Space Ref	Space Name	No. of Units	Approx. Net Area	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	6303 SF / 586 M ²		Off main drive aisleExterior	
Activity Descr	iption	Acoustic Treatment		Occupancy /	Loading Standards	
Bus mai repair	ntenance and general	Sound Iso DBA Sound Ins Rev. Tin		• 2 persons	s / bay	
Access		Security		Flexibility		
 bays (external parts) Interior do the second of the se	bugh for 18288mm (60') erior overhead door) rive in access only for (40') bays or personnel exits and exits require a I concrete pad which et ited structurally to the bundation wall.	Building Perimeter		Single use space		
Structure		Environment		Equipment		
garage) Clear Span _y Floor Loading Spec. Req: Refer	psf	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 Serv	vices	Illumination		Room Finishe	es .	
Other: 1 quad response Welding between elements of the overhead of the other well and th	v ireless eceptacle at every bay	Ft. Candles Daylight Fluor Quart LED_X_ Incand Special Other:	z	• Refer to I mm CML	E23.7.1 complete with 200 to underside of structure d. Block to be flush with uncrete.	
	ared 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. Power for pressure washing system NEQ-11	Exposed Structure - painted
Mechanical Services	Comments
Hot W Cold W Drain perimeter trench drains four (4) for pressure washing system Exhaust Air Climate Controlled? Yes Other: • 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.	 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

Space Ret No.	Space Name	No. of Units	Approx. Net Area	Net Total	Location / Adjac
A1-1.2	Refurbishing Service Bay	 1 stall for 18288mm (60') long bus 3 stalls for 12192mm (40') long bus long 	1600 + (1200 x 3) = 5,200 SF/ 483M ²		Off main drive aisle
Activity Desc	ription	Acoustic Treatme	ent	Occupancy /	Loading Standards
 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	
 drive aisl All exter overhead reinforce should b 	ior personnel exits and	Building Pering	neter	Single use space	
Structure		Environment		Equipment	
Height 5791n garage) Clear SpanFloor Loading Spec. Req: Refer Specificator fall are Specificator Resistant Structural loading. Refer Appendix Electrication for Structure. Refer to extraction be supported by Structure. Refer to L; Structure Electrication for Structure. Overhead welding	to E23.8 Structural ations on requirements rest system design. to E23.7.1 Structural ations for Wall Impact ce E23.14 and E23.15.17 Specifications for floor to Equipment lists at L; Mechanical and I requirements for all to be supported by be supported by corted by roof structure. Equipment list Appendix ctural, Mechanical and I requirements for all to be supported by corted by roof structure. Equipment list Appendix ctural, Mechanical and I requirements for all to be supported by corted by	Temp80F View Out Ext Humidity _60% View Out Int View In Spec. Req: • Winter conditions permitted to be 68F • Humidity control not required		 In-fld Hose system Fall desi spect determine Ove contract Centract to Expert to Expert system 	por hoists NEQ-01 e reel fluid dispensing em NEQ-02 arrest protection to be gned as per Structural cifications. Locations to be rmined in design phase Transit. rhead curtain system for ainment, suitable for ling. tral Vacuum system. Refer 24.5.11 iculate extraction NEQ-09

Electrical Services	Illumination	Room Finishes
Power TV Comp AV Tel PA CCTV Wireless Other:	Ft. Candles Daylight _X_ Fluor Quartz LED: _X_ Incand Special Other:	Floor: Polished, sealed concrete Walls:
 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
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	designed to accommodate the loa arrest system similar to those requ Proponents structural drawings sha for each proposed future fall arrest • Any compressed air high pressure I equivalent.	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	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	Occurrency (1)	Off main drive aisle Exterior	
Activity Desci	iption			Occupancy / i	Loading Standards	
	repair and maintenance plass replacement, body	Sound Iso DBA Sound Ins Rev. Time		2 persons / bay		
Access		Security		Flexibility		
 bays (extended to be a content of the content of the	or personnel exits and	Building Pering	neter	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	Humidity control not required		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 Ser	vices	Illumination		Room Finishe	es e	
(separate	v ireless eceptacle at every bay	Ft. Candles Fluor LED_X Incand Sp Other:	Quartz	Polished, sealed concrete		
between e	every two bays) at wall Appendix L for specific requirements to		Се		ncrete.	

 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	Comments	
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 • 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.	 allow direct access to exterior 2,438mm (8'-0") clear between buse Alternate the compressed air conflocations 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 far specific bus bays under this RFP. From and identify the allowable loads for the structure and identify the allowable loads for the structure. 	nections and welding connections at wall connections and fluid dispensing systems. I be designed to accommodate the loads all arrest system similar to those required in Proponents structural drawings shall locate each proposed future fall arrest system. I loop to be by Trans Air, or approved

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 Descr	ription	Acoustic Treatme	ent	Occupancy /	oading 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. 		Building Perimeter		Single use space	
Structure		Environment		Equipment	
garage) Clear Span _y Floor Loading Spec. Req: Refer t Specificat for fall arr Refer to Strucural loading. Refer to L Struct Electrical	psfpsf	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 Serv	vices	Illumination		Room Finishe	es
Power T Comp A Tel PA CCTV W Other:	V	Ft. Candles Fluor LED_X_ Incand Sp Other:	Quartz	Walls: Refer to I mm CML	sealed concrete E23.7.1 complete with 200 I to underside of structure I. Block to be flush with increte.
				 Exposed 	Structure – painted
Mechanical Services Hot W Cold W Drain Exhaust Air Climate Controlled?Yes		Traffic intended to be one way New south overhead doors should be as per E21.15 Existing west overhead door to remain			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/1147m ² *entire shops area		Body Shop
Activity Descr	ription	Acoustic Treatm		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. Structure Height 5791mm clear		Security • Building Peri	_ Rev. Time	±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 Equipment	
Clear SpanFloor Loading Spec. Req: Refer to Specificat Refer to Equipmer Structural Electrical items to structure.	psf	Humidity _60% View In Spec. Req: • Winter cond 68F • Humidity cor	View Out Ext View Out Int litions permitted to be atrol not required	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, E0 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-46-4 Tool cabinet EQ-45 Overhead crane 5,000lb capaci (New, supplied by Contractor Manufacturer to be approved by City during design)	
Electrical Serv	vices	Illumination		Room Finish	es
Refer to electrical equipmen Provide 1 receptacle	V ireless Appendix L for specific requirements to at. 120V 15A convenience es. Minimum 2 circuits	Ft. Candles DaylightX_ Fluor Quartz LED:X_ Incand Special Other:		Floor: Polished concrete Walls: CMU to underside of deck Ceiling: Exposed structure - painted	
	e. Maximum six duplex 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 Bo Refer to Body Shop equipment list. L 	dy Shop ayout may overlap into adjacent space.
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	Height 5791mm clear Clear Spanyes Floor Loading psf		Temp80F View Out Ext. Humidity _60% View Out Int.		 Hand brake HB01, HB02, HB03 HB04 Belt grinder EQ-03 	
Spec. Req:		View In		• Roller EQ-04, EQ-05		
Spec. Req.		Spec. Req:				
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	 Power shear SHE02 Drill press EQ-06 Grinders EQ-07, EQ-08 Spot welder EQ-10, Sand blast cabinet SB01 Work bench EQ-19, EQ-20, E 21, EQ-22, EQ-23, EQ-25, E 26, EQ-27 Workbench with sheet me punch EQ-24 Work bench with shear SHE03 Sheet metal racking EQ-36, E 37 Cupboards/cabinets/shelves E 39, EQ-40, EQ-41, EQ-42, E 43 Bolt bin storage and cabin EQ-48, EQ-49 Overhead crane 5,00 capacity (New, supplied Contractor, Manufacturer to approved by City during desig Dedicated hood for plas cutting Particulate 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 ±18 persons: 2 supervisors		
building f	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	 Refer to E23.14 and E23.15.17 Strucural Specifications for floor loading. Winter conditions permitted to be 68F Humidity control not required 		View Out Int	 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	• Polished concrete Walls:		
electrical equipmer Provide receptacl per spac outlets p be locate.	•			Refer to E23.7.1 complete with mm CMU to underside of structure – painted. Block to be flush of 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	n 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 Exhaust Air Climate Controlled?Yes		Metal Delivery Trucks				
		Length	Width	Deck Height		
	ASA Alloys	32'	8'4"	50"		
	Dave Copp Steel	24'	8'7"	48"	Freightliner	
Other:		24'	8'4"	51"	International	
		24'	8'5"	32"	9000 lbs trailer pulled by ¾ 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 Activity Descrip	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	 Off main drive aisle Paint Bay Loading Standards
SandingPuttyFibreglassTouch-ups		N/A (self contained Sound Iso	d units) DBA	• 2 persons	-
• Man door e	ach side	Security		Single pu	rpose
accommodate lifundercoating wo Clear Span _yes Floor Loading _Spec. Req: • Refer to E2 _Specification for fall arres extrucural Strucural Strucur	psf 3.8 Structural ns on requirements st system design. 23.14 and E23.15.17 specifications for floor 3.15.7 and Equipment and ix L; Structural,	Humidity60%_ View In Spec. Req: • Winter condition	View Out Ext View Out Int ions permitted to be irol 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 perimeter w		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 p Minor n All exte overhear einforce should 	 Spray paint application to buses Minor masking / taping All exterior personnel exits and overhead exits require a 		N/A (self contained units) Sound Iso DBA Sound Ins Rev. Time		2 persons typical at one time		
 Interloc spraying Overhe 3658mr Buses to 18288mr 	ntry + exit doors each side ked doors for curing and g ad door height minimum m (12'-0") both 12192mm & nm (40' & 60') long to be pull through – no backing	All booths to be controlled and 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			
accommodal Clear Span_Floor Loadin Spec. Req: Refer to Specific for fall a Structu Impact Refer to Structur Ioading Refer Equipm Structur	o E23.8 Structural cations on requirements arrest system design. o E23.7.1 and E23.15.17 ral Specifications for Wall Resistance to E23.14 and E23.15.17 ral Specifications for floor to E23.15.7 and nent list Appendix L; ral, Mechanical and cal requirements for all to be supported by	Humidity60%_ View In Spec. Req: • Winter condition	View Out Ext View Out Int ions permitted to be irol not required	• Pre-manu NEQ-04	ufactured paint booths		
Electrical So		Illumination Ft. Candles	Davlight	Room Finishe	es		
Comp Tel P.		Fluor Quart Incand Spo Other:	z LEDX_	 Prepared 	and finished in ce with manufacturer's		

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 finishes.
Mechanical Services Hot W Cold W Drain Exhaust Air Climate Controlled?Yes Other: Refer to Appendix L for specific mechanical requirements to equipment.	future paint booth. The pit should be	(18')

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 / I	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 con	nfirm	FlexibilitySingle pu	rpose	
Structure		Environment		Equipment		
for fall arrest sy Refer to E23.7. Specifications f Resistance Refer to E23.1 Strucural Specifications. Refer to Equipment lis Structural, N Electrical requitems to be structure.	psf	Temp Viev Humidity Viev View In Spec. Req:	w Out Ext ew Out Int	Pre-manufactured paint mix room NEQ-06		
Electrical Services		Illumination		Room Finishe	es .	
Power TV Comp AV Tel PA CCTV Wireles Other: Refer to Appende electrical require equipment.	sdix L for specific	Incand Sp Other:	tzLED:X_ ecial nechanical service	Floor: Polished concrete Walls: As per manufacturer's standa finishes. Ceiling: As per manufacturer's standa finishes.		

Mechanical Services	Comments
Hot W Cold W Drain Exhaust Air Climate Controlled? Other:	- 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 U	nits Approx. Net Are	ea Net Total	Location / Adjac
A1-5.1 Fluid	Room 1	1120 SF / 104M²	1	Typical Service BayExteriorUTR
Activity Description	Acoustic T	reatment	Occupancy /	Loading Standards
Holding area for fluids for maintenance		Sound Ins		
Access	Security		Flexibility	
 Locked double doors (or overhead door) at exterior allow for delivery. Width and height enough forklift Exterior single exit door. All exterior personnel exis overhead exits require a reinforced concrete pad should be tied structurally building foundation wall. 	r to for s and which	d Room	Single pu	ırpose
Structure	Environme	ent	Equipment	
Height Clear Span ps Floor Loading ps Spec. Req: • Floor load to accommoda weights and forklift. • Refer to E23.14 Specifications for floor lo • Refer to Equipment list L; Structural, Mechani Electrical requirements items to be suppostructure.	f Humidity_ View In Spec. Req ate tank Strucural ading. Appendix cal and for all	Humidity control not required		vall 5,000L capacity anks with forklift pockets asmission fluid freeze earrels on equipment including sipes, etc.
Electrical Services	Illuminatio	n	Room Finish	es
Power TV Comp AV Tel PA CCTV Wireless Other: • Provide 120V 15A con receptacles. Minimum 2 per space. Maximum si outlets per circuit. Outl be located every 3m a perimeter walls within the	Fluor	s Daylight _ Quartz LED_X Special sion proof lighting	 Polished Walls: CMU – 2 0") AFF. Gypsum of 2hrs a Ceiling: Exposed Gypsum 	hour rated to 3660 (12' – wallboard c/w ULC rating

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 hygier	ne and toileting.	Sound Iso DBA Sound InsX Rev. Time		As per co	de
Off of shop floo Centrally locate		Security		Flexibility • Single use room.	
Structure		Environment		Equipment	
Refer to E23.15 list Appendix Mechanical requirements for supported by steps	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 .
PowerTV CompAV TelPA CCTV Wireles Other:	_	Ft. Candles Fluor Quart Incand Sp Other:	z LED: X	walls: CMU to 2 mildew re above to	yl safety floor for slip covered base. 438mm (8' – 0") AFF and sistant gypsum wallboard underside of structure. vith Epoxy Paint.

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		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:		Temp80F View Out Ext Humidity60%_ View Out Int View In Spec. Req:		Mechanical and electrical equipment as required for the design.	
 Refer to E23.14 Strucural 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. 		 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:					