

ROOM		FLOOR			BASE			NORTH WALL			SOUTH WALL			EAST WALL			WEST WALL			CEILING				REMARKS
NO.	NAME	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	HT	MATL	FIN	C	
MAIN FLOOR																								
100	Vestibule	C	RSF	RSF-1	GWB	RCB	RCB-1	GWB	P	P-9	CF	-	-	GL GWB	P	P-9	GL GWB	P	P-9	3575	GWB-1	P	P-6	
101	Reception/Lounge	C	RSF	RSF-1/ RSF-4	GWB	RCB	RCB-1	GWB	P	P-5 P-15 P-9	GL GWB	P	P-5 P-15	GL GWB	APL P	P-5 APL-2 P-15 P-9	GWB	APL P	P-5 APL-2 P-14 P-15 P-9	2800 6000	GWB-1 EXPS-3	P ST	P-15 ST-1	Note 1, 32, 37, 38, 39, 54
102	Games	C	RSF	RSF-4	GWB	RCB	RCB-1	GL GWB	P	P-9	GWB	P	P-9	GL GWB	P	P-9	GL GWB	P	P-9	2800 3050	GWB-1 ACT	P -	P-15 ACT-1	Note 13, 30, 40
103	Meeting Room	C	CPT	CPT-1	GWB	RCB	RCB-1	GWB	CR P	ST-1 P-8 P-19	GWB	CR P	ST-1 P-8	GL -	CR P	ST-1 P-8	GL -	CR P	ST-1 P-8	2800 3050	GWB-1 ACT	P -	P-19 ACT-1	Note 3, 29, 41
104	Vestibule	C	RSF	RSF-1	GWB	RCB	RCB-1	GL GWB	P	P-9	CF	-	-	GL GWB	P	P-9	GL GWB	P	P-9	3575	GWB-1	P	P-6	
105	Lobby	C	RSF	RSF-1/ RF-3	CBL GWB	RCB	RCB-1	CBL GWB	P	P-9	GL GWB	P	P-9 P-12	GL GWB CBL	P	P-9	CBL	P	P-15	2800 3575 6000	GWB-2 GWB-1 EXPS-3	P P ST	P-6 P-6 ST-1	Note 14, 37, 38, 42
106	Reception	C	RSF	RSF-1	GWB	RCB	RCB-1	-	-	-	GWB	P	P-14	GWB	P	P-9	-	-	-	2350 2450	ACT GWB-1	- P	ACT-1 P-6	Note 4, 35
107	GNSC Office	C	CPT	CPT-1	GWB	RCB	RCB-1	GWB	P	P-8	GWB	P	P-17	GL GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1	Note 30
108	GNSC Office	C	CPT	CPT-1	GWB	RCB	RCB-1	GWB	P	P-17	GWB	P	P-8	GL GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1	Note 30
109	GNSC Office	C	CPT	CPT-1	GWB	RCB	RCB-1	GWB	P	P-17	GWB	P	P-8	GL GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1	Note 30
110	GNSC Office	C	CPT	CPT-1	GWB	RCB	RCB-1	GWB	P	P-17	GWB	P	P-8	GL GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1	Note 30
111	GNSC Office	C	CPT	CPT-1	GWB	RCB	RCB-1	GWB	P	P-17	GWB	P	P-8	GL GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1	Note 30
112	GNSC Mtg./Office	C	CPT	CPT-1	GWB	RCB	RCB-1	GWB	P	P-17	GL GWB	P	P-8	GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1	Note 30
113	Corridor	C	RSF	RSF-2	GWB	RCB	RCB-1	GWB	P	P-8	GWB	P	P-8	GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1	Note 5, 38
114	Wellness	C	RSF	RSF-2	GWB	RCB	RCB-1	GWB	P	P-8	GL GWB	P	P-8	GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1	Note 6

ROOM		FLOOR			BASE			NORTH WALL			SOUTH WALL			EAST WALL			WEST WALL			CEILING				REMARKS	
NO.	NAME	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	HT	MATL	FIN	C		
115	Waiting	C	RSF	RSF-2	GWB	RCB	RCB-1	GWB	P	P-8	GWB	P	P-8	GWB	P	P-19	GWB	P	P-8	2450	ACT		ACT-1		
116	BPCC Office	C	RSF	RSF-2	GWB	RCB	RCB-1	GWB	P	P-8	GWB	P	P-8	GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1		
117	BPCC Office	C	RSF	RSF-2	GWB	RCB	RCB-1	GL GWB	P	P-8	GWB	P	P-8	GWB	P	P-8	GWB	P	P-8	2450	ACT		ACT-1		
118	Corridor	C	RSF	RSF-1	CBL GWB	RCB	RCB-1	GWB	P	P-9	GWB	P	P-9	GL GWB	P	P-9 P-22	GL GWB CBL	P	P-9	2450 2800 3575 3625	GWB-1 ACT GWB-1 GWB-1	P - P P	P-6 ACT-1 P-6 P-6	Note 38, 44	
119	WC	C	RSF	RSF-2	GWB	SCB	RSF-2	GWB	P	P-9	GWB	P	P-9	GWB	P	P-9	GWB	P	P-9	2450	ACT		ACT-1	Note 21	
120	Janitor	C	HDR		GWB	RCB	RCB-1	GWB	P	P-9	GWB	P	P-9	GWB	P	P-9	GWB	P	P-9	3650	EXPS-2		P	P-5	Note 52
121	Home Improvement	C	HDR		GWB	-	-	PLY GWB	P	P-20	PLY GWB CBL	P	P-20	PLY GWB	P	P-20	PLY GWB	P	P-20	4000	EXPS-1		P	P-5	Note 12, 30, 49, 52
122	Wood Storage	C	HDR		GWB	RCB	RCB-1	GWB PLY	P	P-20	GWB PLY	P	P-20	GWB PLY	P	P-20	GWB PLY	P	P-20	4000	EXPS-1		P	P-5	Note 26, 52
123	Arts Storage	C	HDR		CBL GWB	RCB	RCB-1	CBL	P	P-10	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	4000	EXPS-1		P	P-5	Note 52
124	Creative Arts	C	HDR		CBL GWB	RCB	RCB-1	CBL GWB	P	P-21	GWB	P	P-10	GL GWB	P	P-10	GWB	P	P-10	4000	EXPS-1		P	P-5	Note 10, 31, 49, 52
125	Computer Lab	C	RSF	RSF-3	GWB	RCB	RCB-1	GWB	P	P-13	GWB	P	P-8	GWB	P	P-8	GWB	P	P-8	2750	ACT		ACT-1	Note 16, 31	
126	Dressing Room 3/ Coats	C	RF	RF-1	CBL	-	-	PLY GWB CBL	P	P-10	PLY GWB CBL	P	P-10	PLY GWB CBL	P	P-21	PLY GWB CBL	P	P-10	4000	EXPS-2		P	P-5	Note 14, 22, 24, 50, 52, 55
127	Dressing Room 4	C	RF	RF-1	CBL	-	-	PLY GWB CBL	P	P-10	PLY GWB CBL	P	P-10	PLY GWB CBL	P	P-10	PLY GWB CBL	P	P-3	4000	EXPS-2		P	P-5	Note 14, 22, 24, 50, 52, 55

ROOM		FLOOR			BASE			NORTH WALL			SOUTH WALL			EAST WALL			WEST WALL			CEILING				REMARKS
NO.	NAME	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	HT	MATL	FIN	C	
128	Canteen	C	RSF	RSF-1	CBL	SCB	RSF-1	CBL	EP	EP-23	CBL	EP	EP-23	CBL	EP	EP-23	CBL	EP	EP-23	2750	ACT		ACT-2	Note 9, 21
129	Referee	C	RF	RF-1	CBL	-	-	GWB CBL	P	P-9	GWB CBL	P	P-9	GWB CBL	P	P-9	GWB CBL	P	P-9	4000	EXPS-2	P	P-5	Note 17, 22, 34, 52
130	Zamboni/Maint.	C	HDR		CBL	-	-	GWB CBL	P	P-10	GWB CBL	P	P-10	GWB CBL	P	P-10	GWB CBL	P	P-10	4000	EXPS-2			Note 22, 28, 34
131	Utility	C	HDR		CBL GWB	-	-	GWB CBL	P	P-10	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	4000	EXPS-2			Note 22, 28, 34
132	WC	C	RF	RF-1	CBL	-	-	GWB CBL	P	P-10	GWB CBL	P	P-3	GWB CBL	P	P-10	GWB CBL	P	P-10	4000	EXPS-2	P	P-5	Note 22, 34, 52
133	WC	C	RF	RF-1	CBL	-	-	GWB CBL	P	P-14	GWB CBL	P	P-10	GWB CBL	P	P-10	GWB CBL	P	P-10	4000	EXPS-2	P	P-5	Note 22, 34, 52
134	Corridor	C	RF	RF-1	CBL	-	-	-	-	-	GWB CBL	P	P-10	GWB CBL	P	P-10	GWB CBL	P	P-10	2750	GWB-2	P	P-6	Note 22, 34
135	Skate Change	C	RF	RF-1,2	CBL	-	-	GL GWB CBL	P-	P-2 P-21 P-10 P-1	GL GWB CBL	APL-1 P-	P-2 P-9 P-10 P-14 P-1	GWB	P	P-2 P-3	GL GWB CBL	P	P-2 P-3 P-1	2800 6000	GWB-2 EXPS-3	P ST	P-3 ST-1	Note 2, 14, 22, 33, 34, 36, 51
136	Vestibule	C	RF	RF-1	CBL PF-M	-	-	GWB CBL	P	P-2 P-21 P-10	GL PF-M	P	P-1	GL PF-M	P	P-1	GL	-	-	6000	EXPS-3	ST	ST-1	Note 22, 34, 36, 52
137	Dressing Room 1	C	RF	RF-1	CBL	-	-	GWB CBL	P	P-10	GWB CBL	P	P-10	GWB CBL	P	P-10	GWB CBL	P	P-3	2800	EXPS-4	P	P-6	Note 14, 22, 50, 52, 55
138	WC	C	EF RF	EF-1 RF-1	CBL	SCB RCB	EF-1 RCB-1-	CBL	EP	EP-23	CBL	EP	EP-23	CBL	EP	EP-23	CBL	EP	EP-23	2700	CB-1	EP	EP-23	Note 15, 27, 38
139	Locker Room 1	C	RF	RF-1	CBL	-	-	CBL	P	P-10 P-21	CBL	P	P-10 P-21	CBL	P	P-10 P-21	CBL	P	P-10 P-21	SL 2800	GWB-2 EXPS-4	P -	P-6 -	Note 14, 22, 38, 50, 52, 55
140	Stairs	C	RF	RF-1	CBL	-	-	CBL	P	P-10	CBL	P	P-10	CBL	P	P-10	CBL	P	P-10		EXPS-4	P	P-6	Note 22, 34, 45, 52

ROOM		FLOOR			BASE			NORTH WALL			SOUTH WALL			EAST WALL			WEST WALL			CEILING				REMARKS
NO.	NAME	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	HT	MATL	FIN	C	
141	Locker Room 2	C	RF	RF-1	CBL	-	-	CBL	P	P-10 P-21	CBL	P	P-10 P-21	CBL	P	P-10 P-21	CBL	P	P-10 P-21	SL 2800	GWB-2 EXPS-4	P P	P-6 P-6	Note 14, 22, 38, 50, 52, 55
142	WC	C	EF RF	EF-1 RF-1	CBL	SCB RCB	EF-1 RCB-1-	CBL	EP	EP-23	CBL	EP	EP-23	CBL	EP	EP-23	CBL	EP	EP-23	2700	CB-1	EP	EP-23	Note 15, 27, 38
143	Dressing Room 2	C	RF	RF-1	CBL	-	-	CBL	P	P-10	CBL	P	P-10	CBL	P	P-3	CBL	P	P-10	2800	EXPS-4	P	P-6	Note 14, 22, 50, 52, 55
144	Gym Hall	C	SV	SV-1	CBL	-	-	GWB CBL	APL-1 P-	P-7 P-18 P-20	GWB CBL	APL-1 P-	P-7 P-18 P-20	GWB CBL	APL-1 P-	P-7 P-18 P-20	GWB CBL	APL-1 P-	P-7 P-18 P-20	7900 8650	GWB EXPS-1	P P	P-5 P-5	Note 7, 22, 34, 52, 53
145	Men WC	C	RSF	RSF-1	GWB	SCB	RSF-1	GWB	CT	P-3 P-12 CT-2	GWB	CT	P-9 P-12 CT-2	GWB	CT	P-9 P-12 CT-2	GWB	CT	P-9 P-12 CT-2	2200 2750 2800 2800	GWB-1 GWB-1 GWB-1 ACT	P P P ACT	P-9 P-12 P-6 ACT-1	Note 18, 21, 25, 46
146	Women WC	C	RSF	RSF-1	GWB	SCB	RSF-1	GWB	CT	P-22 P-10 CT-1,3	GWB	CT	P-9 P-10 CT-1,3	GWB	CT	P-9 P-10 CT-1	GWB	CT	P-9 P-10 CT-3	2200 2750 2800 2800	GWB-1 GWB-1 GWB-1 ACT	P P P ACT	P-9 P-10 P-6 ACT-1	Note 19, 21, 25, 47
147	Family WC	C	RSF	RSF-3	GWB	SCB	RSF-3	GWB	CT	P-16 CT-4	GWB	CT	P-16 CT-1	GWB	CT	P-16 CT-1	GWB	CT	P-16 CT-4	2750	GWB-1	P	P-6	Note 20, 21, 25
148	Kitchen	C	RSF	RSF-2	GWB CBL	SCB	RSF-2	GWB	EP	EP-23	GWB	EP	EP-23	GWB	EP	EP-23	GWB CBL	EP	EP-23	2450 3050	GWB-1 ACT	P -	EP-23 ACT-2	Note 8, 21, 48
149	Tables./Chairs/Act. Storage	C	HDR		GWB CBL	RCB	RCB-1	GWB	P	P-9	GWB	P	P-9	GWB	P	P-9	GWB CBL	P	P-9	4000	EXPS-2	P	P-5	Note 52
150	Multi-Purpose Rm.	C	SV	SV-2	GWB	RCB	RCB-1	GL GWB	P	P-8	GWB	CR P	ST-1 P-8 P-19	GL GWB	P	P-8	GWB	CR P	ST-1 P-19	2800 3000 3050 4000	GWB-1 GWB-1 ACT EXPS-2	P P - P	P-8 P-8 ACT-1 P-5	Note 11, 29, 52
MEZZANINE FLOOR																								
200	General Storage	C	HDR		GWB	RCB	RCB-1	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	5600	EXPS-2			Note 28
201	Corridor	C	HDR		GWB	RCB	RCB-1	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	5600	EXPS-2			Note 28
202	Electrical	C	HDR		GWB	RCB	RCB-1	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	5600	EXPS-2			Note 28
203	Mechanical	C	HDR		GWB	RCB	RCB-1	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	GWB	P	P-10	5600	EXPS-2			Note 28

ROOM		FLOOR			BASE			NORTH WALL			SOUTH WALL			EAST WALL			WEST WALL			CEILING				REMARKS
NO.	NAME	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	HT	MATL	FIN	C	
Notes:																								
1	Rm. 101 Reception/ Lounge	Millwork - North Wall - PLAM-8/ET-2; Display case millwork on West Wall - PLAM-8/ET-2 and Fir wood: Millwork on West Wall at kitchen servery - PLAM -8/ET-2. Front Faces of Fir Benches below fir bench seat to be PLAM 8 (refer to Detail 23/A-8.1). For location of Acoustic Panels APL-2 refer to Elevations on Drawing A7.2.																						
2	Rm. 135 Skate Change	Millwork North wall, fir wood/PLAM-10. South wall Millwork at Rolling Shutter and Canteen PLAM-8/ ET-2.																						
3	Rm. 103 Meeting	- Millwork - Countertop & Backsplash: PLAM-2/ET-2; Base Cabinet: PLAM 1/ET-1. Chair rail - stain ST-1.																						
4	Rm. 106 - Rec. Desk	- Millwork - On Interior side of desk - PLAM 1/ET-1 including workstation countertop. Exterior Side of Desk PLAM 5/ET-3, Solid Surface Countertop on Transaction Top - SSC-2. Tackboard (Color 2202) below Transaction Top on desk side. Underside of Solid Surface Countertop - PLAM 2. Paint Concrete Block wall below Solid Surface Countertop P-12 . Refer to Elevations 31-34/A7.1 and 26-27/A7.3 for location of finishes.																						
5	Rm. 113 Corridor	- Millwork - Countertop & Backsplash: PLAM-3/ET-2; Base & Upper Cabinets: PLAM 1/ET-1.																						
6	Rm. 114 Wellness	- Millwork - Countertop & Backsplash: PLAM 4/ET-1, Base & Upper Cabinets: PLAM 1/ET-1.																						
7	Rm 144 Gym Hall	- Acoustic panels APL-1 painted P-18 , fir trim at APL-1 to be paint finish - P-18. Refer to Elev. 1-4/A-7.4 for location of paint finishes.																						
8	Rm 148 Kitchen	- Millwork - Countertop & Backsplash: PLAM-3/ET-2 and Stainless Steel Countertop and Backsplash; Base & Upper Cabinets: PLAM 1/ET-1.																						
9	Rm 128 - Canteen	- Millwork - Countertop & Backsplash: PLAM-8/ET-2; Base & Upper Cabinets: PLAM 1/ET-1.																						
10	Rm 124 Creative Arts	- Millwork - East & North Walls - Countertop & Backsplash: PLAM-6/ET-2; Base & Upper Cabinets: PLAM 5/ET-3.																						
11	Rm 150 Multi-Purpose Rm.	- Millwork on South Wall wall - Countertop & Backsplash: PLAM-3/ET-2; Base & Upper Cabinets: PLAM 9/ET-4., Coats Shelf PLAM-9 , Chair rail - stain ST-1.																						
12	Rm 121 Home Improvement	- Millwork East Wall Countertop & Backsplash: PLAM-1/ET-2; Base & Upper Cabinets: PLAM 6/ET-2. Mechanical Bench on east wall & Chop Saw Bench Millwork on South Wall - laminated wood countertop, plywood, metal supports, see Detail 11/A8.1. Paint Metal supports P-1. Millwork on North Wall - laminated wood countertop, base cabinets PLAM 6/ET-2. 1/2" thick G.1.S. Plywood c/w chamfered edges wall protection to be installed on all walls from floor to 1219 mm.																						
13	Rm 102 Games	- Millwork South wall - Countertop & Backsplash: PLAM-5/ET-3; Base & Upper Cabinets: PLAM 6/ET-2.																						
14	Rm 127 Dressing Room 4/Coats, Rm 126 Dressing Room 3, Rm 137 Dressing Room 1, Rm 139 Locker Room 1, Rm 141 Locker Rm. 2, Rm 143 Dressing Rm. 2, Room 105 Lobby, Rm 135 Skate Change	- Millwork - Benches. Paint stl. components P-4. Refer to Details on Drawing A-8.1. Loose Bench units in Skate Change Rm 135 - paint stl. components P-4.																						
15	Rm 138 WC and Rm 142 WC	- In Shower Area cove epoxy floor up wall 152 mm, to c/w metal cove strip at top edge of base. At Rubber Flooring RF-1 install RCB-1 base.																						
16	Rm 125 Computer Lab	- Millwork on east wall - Countertop & Backsplash: PLAM-7/ET-2; Base Cabinets: PLAM 1/ET-1.																						
17	Rm 129 - Referee	- Millwork - Benches. Refer to Detail on Drawing 20/A-8.1.																						
18	Rm 145 - Men's WC	- Vanity Millwork - solid surfacing countertop, backsplash and front edge - SCC-1																						
19	Rm 146 - Women's WC	- Vanity Millwork - solid surfacing countertop, backsplash and front edge - SSC-1																						
20	Rm 147 - ACC Family WC	- Vanity Millwork - solid surfacing countertop, backsplash and front edge - SCC-2																						
21	Resilient Sheet Floor	Self cove base to c/w cove cap CC-1 at top edge of base. Self cove base (to c/w cove former) to be covered up walls and all millwork (where millwork is specified) - 152 mm high.																						
22	No Base	has been specified in room. Flooring to be installed neatly and tightly to wall edges. Provide silicone seal to match floor between flooring edge and wall.																						
23	Rm 114 - Wellness	- Millwork on South wall - Countertop & Backsplash: PLAM-4/ET-2; Base & Upper Cabinets: PLAM 1/ET-1.																						
24	Rm 126 Dressing Room 3/Coats and Rm 127 Dressing Room 4	- 1/2" thick G.1.S. Plywood c/w chamfered edges wall protection to be installed on all walls between 2800mm and 4020mm AFF (above concrete block to the underside of the deck).																						

NO.	ROOM NAME	FLOOR			BASE			NORTH WALL			SOUTH WALL			EAST WALL			WEST WALL			CEILING				REMARKS
		MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	HT	MATL	FIN	C	
25	Rm 145 - Men's WC, Rm 146 - Women's WC, Rm 147 Family WC - Refer to Dwg. A1.6 Main Floor Finish Plan and Elevations 23 to 30/A7.1 for locations of ceramic wall tile and paint finish.																							
26	Rm 122 Wood Storage Room - 1/2" thick G.1.S. Plywood c/w chamfered edges wall protection to be installed on all walls from floor to 1830mm.																							
27	Rm 138 WC and Rm 142 WC - Ceiling to be Cement Board to come with stainless exposed fasteners.																							
28	The exposed ceiling structure will be left unpainted.																							
29	Install Blind BLD-1 on exterior and interior windows (including interior window(s) above door).																							
30	Install Blind BLD-1 on exterior windows only.																							
31	Install Blind BLD-1 on interior windows only.																							
32	Rm 101 Reception/Lounge - Paint Face and Underside of GWB Bulkhead @ 2800mm - P-15																							
33	Rm 135 Skate Change - Acoustic panels APL-1 painted P-9 , fir trims to be painted - P-9. For location of Acoustic Panels APL-1 and all paint finishes refer to Elevations on Drawing A7.2.																							
34	At floor line, paint first course of concrete block on all walls - P-1. Paint remainder of wall as specified.																							
35	Rm 106 Reception - Ceiling Perimeter trim from ACT-1 ceiling @ 2350 mm to GWB ceiling @ 2450 mm. Refer to Specifications.																							
36	EXPS-3 - Tongue and Groove Fir Deck - ST-1. Paint Exposed ceiling joists/structure/ducts and GWB trim at top of wall P-2.																							
37	EXPS-3 - Tongue and Groove Fir Deck - ST-1. Paint Exposed ceiling joists/structure/ducts and GWB trim at top of wall (where specified) P-5.																							
38	Refer to Floor and Wall finishes plan A-1.6 for location of finishes.																							
39	Rm. 101 Reception/Lounge - Pre-finished metal trim at 2800mm high (refer to Drawing Detail 1/A4.2) to be painted P-9. Refer to Elevations A7.2 for remainder of paint finishes.																							
40	Rm 102 Games - Paint Face and Underside of bulkhead - P-15																							
41	Rm 103 Meeting Room - Paint Face of bulkhead - P-8. Paint Underside of bulkhead - P-19																							
42	Rm 105 Lobby - Paint Face of bulkhead - P-9. Paint Underside of bulkhead - P-6. Paint Columns P-9. Paint front face of reception desk (half height CMU) P-12.																							
43	Rm 106 Reception - Paint Face of bulkhead on Lobby 115 and Corridor 118 side - P-9. Paint Face and Underside of bulkheads within reception 106 - P-6																							
44	Rm 118 Corridor - Paint Face of bulkhead @ 2450, 3575 and 3625 mm - P-9. Paint Underside of bulkheads @ 2450, 3575 and 3625 mm - P-6.																							
45	Rm 140 Stairs - Install RF-1 flooring up to stairs. Refer to Drawing A6.1 for stair details. Paint all exposed steel at stair and handrail P-2																							
46	Rm 145 - Men's WC - Paint Faces and Underside of Bulkhead at 2200mm P-9. Paint North Face of Bulkhead at 2750 - P-3, paint south face of bulkhead at 2750 - P-12.																							
47	Rm 146 - Women's WC - Paint Faces and Underside of Bulkhead at 2200mm P-9. Paint North Face of Bulkhead at 2750 - P-22, paint south face of bulkhead at 2750 - P-10.																							
48	Rm 148 Kitchen - Paint Face and Underside of bulkhead at 2450mm - EP-23.																							
49	Pegboards to be painted to match wall.																							
50	Rms. 126, 127, 137, 143 Dressing Rooms, Rms. 139, 141 Locker Rooms - Fir Band at hooks and fir Benches - ST-1 finish (clear finish).																							
51	Rm 135 Skate Change - Below all Benches paint entire wall P-1.																							
52	Paint all exposed ceiling joists/structure/ducts color as specified.																							
53	Rm 144 Gym Hall - south elevation - Paint sanded plywood shelf P-7.																							
54	Rm 101 Reception/Lounge - Paint top of bulkhead @ 4575mm P-5. Underside and face of bulkhead to be P-15.																							

ROOM		FLOOR			BASE			NORTH WALL			SOUTH WALL			EAST WALL			WEST WALL			CEILING				REMARKS
NO.	NAME	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	MATL	FIN	C	HT	MATL	FIN	C	
55	Rms. 126, 127, 137, 143 Dressing Rooms, Rms. 139, 141 Locker Rooms - paint 2 concrete block courses on wall below benches P-1, Paint first course of concrete block on all other walls P-1. Paint remainder of wall as specified.																							
GENERAL NOTE																								
1G	Install transition strips/edge protection strips between flooring materials and Schluter edge protection at wall tiles as per Drawing A-1.6 Main Floor Finishes Plan.																							
ABBREVIATIONS																								
CB	Cement Board																							
CF	Concrete Fibreboard - as per Exterior color, finish and type.																							
CR	Chair Rail																							
EXPS-1	Exposed Prefinished Acoustic Metal Deck																							
EXPS-2	Exposed Standard Metal Deck																							
EXPS-3	Exposed Tongue and Groove Fir Wood Deck																							
EXPS-4	Exposed Hollowcore Conc. Slab																							
MR	Mirror																							
PF-M	Prefinished Metal																							
SL	Sloped																							

ROOM FINISH / DOOR SCHEDULE ABBREVIATIONS

ACP	Acoustic Plaster	HR	Hour	S	Solid
ACT	Acoustic Ceiling Tile	HSDG	Hermetically Sealed Double Glass	SB	Sandblasted
AL	Aluminum	HSTG	Hermetically Sealed Triple Glass	SC	Scored Concrete Block
AN	Anodized	INS	Insulation	SCB	Self Cove Base
AP	Acrylic Panel	INT	Interior	SF	Safety Floor
APL	Acoustic Panel	LAM	Laminated	SFP	Sprayed Fireproofing
B	Base	LGL	Laminated Glass	SLD	Sealed
BF	Broom Finish	LIN	Linoleum	SLR	Sealer
BH	Bush Hammered	M	Metal	SPD	Sloped
BL	Borrowed Light	MDF	Medium Density Fibreboard	SS	Stainless Steel
BR	Brick	MGB	Moisture Resistant Gypsumboard	ST	Stain
C	Concrete	MHO	Magnetic Hold Open	STL	Steel
CBL	Concrete Block	MIN	Minute	SV	Sheet Vinyl
CBR	Concrete Brick	MP	Metal Partition	TB	Tackboard
CLG	Ceiling	MPL	Maple	TBL	Terrazzo Block
CLR	Clear	N	Natural	TEX	Textured
CPL	Cement Plaster	N/A	Not Applicable	TGL	Tempered Glass
CPT	Carpet	NIC	Not In Contract	TL	Transom Light
CT	Ceramic Tile	NS	Non-Slip	TRD	Translucent Roof Deck
DG	Door Grille	OF	Oil Finish	UC	Undercut
DR	Door	OHD	Overhead Door	ULC	Underwriters Laboratories Canada
EF	Epoxy Floor	P	Paint	U/S	Underside
EP	Epoxy Paint	PB	Paving Brick	V	Varies
EPB	Environmental Particle Board (strawboard)	PC	Precast Concrete	VCB	Vent-Cove Base
EX	Existing	PCT	Porcelain Tile	VCT	Vinyl Composite Tile
EXP	Exposed	PF	Prefinished	VGB	Vinyl Gypsumboard
EXPS	Exposed Structure	PFH	Prefinish Hardboard	VIT	Vitreous Tile
EXT	Exterior	PG	Plate Glass	VWC	Vinyl Wallcovering
F	Flooring	PL	Plaster	W	Wall
FIN	Finish	PLAM	Plastic Laminate	W/	With
FR	Fire Rated	PLY	Plywood	WD	Wood
FRGB	Fire Rated Gypsumboard	PM	Prefinished Metal	WDP	Wood Paneling
FRP	Fiberglass Reinforced Panel	PR	Pair	WGL	Wire Glass
GB	Gypsumboard	PS	Pressed Steel	W/O	Without
GI	Galvanized Iron	QT	Quarry Tile		
GL	Glass / Glazing	R	Rubber		
GR	Granite	RCB	Rubber Cove Base		
H	Hollow	RGB	Reinforced Gypsumboard		
HBEC	High Build Epoxy Coat	RF	Rubber Floor		
HC	Hollow Core	RG	Railing		
HDR	Hardener	RP	Resin Panel		
HDW	Hardware	RSF	Resilient Sheet Floor		
HM	Hollow Metal	RST	Rubber Stair Tread		

Part 1 General

1.1 SECTION INCLUDES

- .1 Gypsum board and joint treatment.
- .2 Gypsum sheathing.
- .3 Metal stud wall framing.
- .4 Metal channel ceiling framing.
- .5 Acoustic accessories.

1.2 RELATED SECTIONS

- .1 Section 06 10 00 – Rough Carpentry.
- .2 Section 07 21 15 – Insulation: Acoustic and Thermal insulation.
- .3 Section 07 28 00 – Air and Vapour Barriers.
- .4 Section 09 90 00 – Painting and Coating.
- .5 Section 07 84 00 - Firestopping.

1.3 REFERENCES

- .1 ASTM C36 - Standard Specification for Gypsum Wallboard.
- .2 ASTM C79 - Standard Specification for Gypsum Sheathing Board.
- .3 ASTM C475 - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board.
- .4 ASTM C645 - Specifications for Non-Structural Steel Framing Members.
- .5 ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Board.
- .6 ASTM C840-04a - Standard Specification for Application and Finishing of Gypsum Board.
- .7 ASTM C79 - Standard Specification for Gypsum Sheathing Board.
- .8 ASTM C1396/C1396M-04 - Standard Specification for Gypsum Board.
- .9 ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne-Sound Transmission Loss of Building Partitions.
- .10 ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials.

- .11 GA-214 (Gypsum Association) - Recommended Specification: Levels of Gypsum Board Finish.
- .12 UL - Fire Resistance Directory.

1.4 QUALITY ASSURANCE

- .1 Perform Work in accordance with ASTM C840.
- .2 Applicator Qualifications: Company specializing in performing the work of this section with minimum five years documented experience.

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for fire rated assemblies.

Part 2 Products

2.1 MANUFACTURERS - GYPSUM BOARD SYSTEM

- .1 Domtar Construction Materials.
- .2 Certainteed
- .3 Canadian Gypsum Company.
- .4 Georgia Pacific Co.
- .5 National Gypsum Co.

2.2 FRAMING MATERIALS

- .1 Studs and Tracks: ASTM C645; galvanized sheet steel, 0.53 mm thick, C shape, with knurled faces.
- .2 Exterior wall framing: Refer to structural notes for framing size and spacing on exterior walls.
- .3 Slip joint head track: 0.61 mm thick, galvanized sheet steel, 50 mm deep. Pre-punched slots minimum 25 mm long for attaching studs.
- .4 Furring, Framing, and Accessories: ASTM C645.
- .5 Resilient channels: 38 mm x 13 mm galvanized.
- .6 Fasteners: ASTM C1002.
- .7 Anchorage to Substrate: Tie wire, nails, screws, and other metal supports, of type and size to suit application; to rigidly secure materials in place.
- .8 Carrying Channels: 1.52 mm galvanized sheet steel, 12 x 19 mm.

- .9 Hangers: galvanized steel wire, size to suit application, maximum deflection 1/360.

2.3 GYPSUM BOARD MATERIALS

- .1 Standard Gypsum Board: ASTM C36; 16 mm thick, maximum available length in place; ends square cut, tapered edges.
- .2 Fire Rated Gypsum Board: ASTM C36; fire resistive type, UL or WH rated; 16 mm thick, maximum available length in place; ends square cut, tapered edges.
- .3 Exterior Gypsum Sheathing Board: ASTM C79; moisture resistant type; 13 thick, maximum available size in place; ends square cut, square edges; water repellent paper faces.
- .4 Mineral Fibre Cement board: High density Cement board; Hardiebacker manufactured by James Hardie building products, 12 mm thick.
- .5 All gypsum board on ceilings to be 16 mm thick unless noted

2.4 ACCESSORIES

- .1 Acoustic Insulation: Section 07 21 15.
- .2 Acoustical Sealant: non-hardening, non-skinning, for use in conjunction with gypsum board, specified in Section 07 92 00 Type B.
- .3 Corner Beads: 0.45 mm. thick, galvanized sheet steel, paper faced; tapable
- .4 Edge Trim: Galvanized steel with 'J' type bead, tapable..
- .5 Joint Materials: ASTM C475; reinforcing tape, joint compound, adhesive, and water.
- .6 Fasteners: ASTM C1002, Type S12.
- .7 Control joints: V profile with 6 mm open slot protected with plastic tape to be removed after joint finishing.

Part 3 Execution

3.1 METAL STUD INSTALLATION

- .1 Install studs in accordance with ASTM C754. and manufacturer's instructions.
- .2 Metal Stud Spacing: 400 mm on center.
- .3 Install 0.91 mm steels studs at locations where stud wall heights are greater than 3.5 m.

- .4 Refer to Drawings for indication of partitions extending stud framing through the ceiling to the structure above. Maintain clearance under structural building members to avoid deflection transfer to studs.
- .5 Install slip joint head track where stud walls meet structure. Allow for 40 mm deflection.
- .6 Door Opening Framing: Install double studs at door frame jambs.
- .7 Coordinate installation of bucks, anchors, blocking, electrical and mechanical work placed in or behind partition framing.

3.2 WALL FURRING INSTALLATION

- .1 Erect wall furring for direct attachment to masonry and concrete walls.
- .2 Erect furring channels vertically; space maximum 400 mm oc, not more than 100 mm from abutting walls. Secure in place on alternate channel flanges at maximum 600 mm on center.

3.3 CEILING FRAMING INSTALLATION

- .1 Install in accordance with ASTM C754 and manufacturer's instructions.
- .2 Coordinate location of hangers with other work.
- .3 Install ceiling framing independent of walls, columns, and above ceiling work.
- .4 Reinforce openings in ceiling suspension system which interrupt main carrying channels or furring channels, with lateral channel bracing. Extend bracing minimum 600 mm past each end of openings.
- .5 Laterally brace entire suspension system.
- .6 Install access panels where indicated on drawings

3.4 ACOUSTIC ACCESSORIES INSTALLATION

- .1 Install resilient channels at maximum 600 mm on center. Locate joints over framing members.
- .2 Place acoustic insulation in partitions tight within spaces, around cut openings, behind and around electrical and mechanical items within or behind partitions, and tight to items passing through partitions.
- .3 Install acoustical sealant at gypsum board perimeter at base, between metal framing and substrate, and caulk all penetrations of partitions by conduit, pipe, ductwork, rough-in boxes, etc. Refer to Section 07 92 00.

3.5 GYPSUM BOARD INSTALLATION

- .1 Install gypsum board in accordance with ASTM C840-04a.
- .2 Erect single layer standard gypsum board in most economical direction, with ends and edges occurring over firm bearing.
- .3 Erect single layer fire rated gypsum board vertically, with edges and ends occurring over firm bearing.
- .4 Erect exterior sheathing horizontally, with edges butted tight and ends occurring over firm bearing.
- .5 Use screws when fastening gypsum board to metal furring or framing.
- .6 Double Layer Applications: Secure second layer to first with adhesive and sufficient support to hold in place. Apply adhesive in accordance with manufacturer's instructions.
- .7 Place second layer perpendicular to first layer. Offset joints of second layer from joints of first layer.
- .8 Treat cut edges and holes exterior gypsum soffit board with sealant.
- .9 Place control joints consistent with lines of building spaces as directed, but not more than 10 m o.c.
- .10 Place corner beads at external corners as indicated. Use longest practical length. Place edge trim where gypsum board abuts dissimilar materials.
- .11 Provide fire rated slip joint head track where fire rated walls meet structure.
- .12 Install mineral fibre cement board to ceilings where indicated using exposed stainless steel fasteners. Confirm with Contract Administrator fastener pattern prior to installation. Refer to drawings - room 138 and 142.

3.6 JOINT TREATMENT

- .1 Finish in accordance with GA-214 Level 4.
- .2 Feather coats on to adjoining surfaces so that camber is maximum 0.8 mm.
- .3 Fill and finish joints and corners of cementitious backing board.

3.7 TOLERANCES

- .1 Maximum Variation of Finished Gypsum Board Surface from True Flatness: 3 mm in 3 m in any direction.

END OF SECTION

PART 1 General

1.1 SECTION INCLUDES

- .1 Portland cement plaster system.
- .2 Metal furring and lathing.
- .3 Acrylic surface finish.

1.2 RELATED SECTIONS

- .1 Section 06 10 00 - Rough Carpentry.
- .2 Section 07 21 15 - Insulation.
- .3 Section 09 21 16 - Gypsum Board Assemblies.

1.3 REFERENCES

- .1 ASTM C150 - Standard Specification for Portland Cement.
- .2 ASTM C206 - Standard Specification for Finishing Hydrated Lime.
- .3 ASTM C207 - Standard Specification for Hydrated Lime for Masonry Purposes.
- .4 ASTM C897 - Standard Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters.
- .5 ASTM C926 - Standard Specification for Application of Portland Cement-Based Plaster.
- .6 ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
- .7 PCA (Portland Cement Association) - Portland Cement Plaster (Stucco) Manual.
- .8 UL - Fire Resistance Directory.

1.4 SUBMITTALS FOR REVIEW

- .1 Samples: Submit two samples, 300 x 300 mm in size illustrating finish colour and texture.
- .2 Do not proceed until Contract Administrator has approved samples.

1.5 QUALITY ASSURANCE

- .1 Perform Work in accordance with ASTM C926. PCA Portland Cement Plaster (Stucco) Manual.
- .2 Applicator Qualifications: Company specializing in performing the work of this section with minimum five years documented experience.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Do not apply plaster when substrate or ambient air temperature is less than 10 degrees C nor more than 27 degrees C.
- .2 Maintain minimum ambient temperature of 10 degrees C during installation of plaster and until cured.
- .3 Gas fired heaters shall be vented outside of hoarding.

PART 2 Products

2.1 PLASTER BASE MATERIALS

- .1 Cement: ASTM C150, Normal Portland type, grey color.
- .2 Lime: ASTM C207, Type S.
- .3 Aggregate: In accordance with ASTM C897.
- .4 Water: Clean, fresh, potable and free of mineral or organic matter which can affect plaster.

2.2 2.3 ACRYLIC FINISH COAT MATERIALS

- .1 Premixed textured applied acrylic coating with fine grain sandy texture. 1 mm aggregate and aggregate fillers with an acrylic emulsion binder; smooth finish. Colour to be selected by Contract Administrator.
- .2 Acceptable materials:
 - .1 Acrylon Industries
 - .2 Preswitt
 - .3 Sto Industries
 - .4 Dryvit Systems
- .3 Texture to be smooth - as approved by Contract Administrator.

2.3 FURRING AND LATHING

- .1 Metal Lath: ASTM C847; flat diamond self furring mesh 11 kg/sq m galvanized.
- .2 Underlayment: Air barrier specified in Section 07 28 00.
- .3 Casing Bead: Formed sheet steel, depth governed by plaster thickness, maximum possible lengths, expanded metal flanges, with square edges; galvanized.
- .4 Corner Bead: Formed sheet steel, depth governed by plaster thickness, maximum possible lengths, expanded metal flanges with bullnosed edge; galvanized.

- .5 Base Screed: Formed sheet steel, depth governed by plaster thickness, maximum possible lengths, expanded metal flanges, with square edge; galvanized.
- .6 Corner Mesh: Formed sheet steel, minimum 0.5 mm thick, perforated expanded flanges shaped to permit complete embedding in plaster, minimum 50 mm size; galvanized.
- .7 Strip Mesh: Expanded metal lath, minimum 0.5 mm thick, 50 mm wide x 600 mm long; galvanized.
- .8 Control and Expansion Joint Accessories: Formed sheet steel or plastic, accordion W profile, 50 mm flanges each side, white finish.
- .9 Anchorage: Tie wire, nails, and other metal supports, of type and size to suit application; to rigidly secure materials in place, galvanized. unfinished.

2.4 CEMENT PLASTER MIXES

- .1 Mix and proportion cement in accordance with PCA Portland Cement Plaster (Stucco) Manual.
- .2 Base Coat and Brown Coat: One part cement, minimum 3-1/2 and maximum 4 parts aggregate, and minimum 15 percent and maximum 25 percent hydrated lime.
- .3 Mix only as much plaster as can be used prior to initial set.
- .4 Mix materials dry, to uniform colour and consistency, before adding water.
- .5 Protect mixtures from freezing, frost, contamination, and excessive evaporation.
- .6 Do not retemper mixes after initial set has occurred.

2.5 ANTI GRAFFITI COATING

- .1 Non sacrificial anti graffiti coating with cleaner; VandlguardTen with Vandleguard Graffiti Cleaner. Provide 2 gallons of cleaner and turn over to City for maintenance purposes.

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Verify that surfaces and site conditions are ready to receive work.
- .2 Beginning of installation means acceptance of existing conditions.
- .3 Metal Lath and Accessories: Verify lath is flat, secured to substrate, and joint and surface perimeter accessories are in place.
- .4 Mechanical and Electrical: Verify services within walls have been tested and approved.

3.2 PREPARATION

- .1 Dampen masonry surfaces to reduce excessive suction.
- .2 Clean concrete surfaces of foreign matter. Clean surfaces using acid solutions, solvents, or detergents. Wash surfaces with clean water.
- .3 Roughen smooth concrete surfaces and apply bonding agent in accordance with manufacturer's instructions.

3.3 INSTALLATION - LATHING MATERIALS

- .1 Ensure underlayment is in place prior to installing reinforcement..
- .2 Apply metal lath taut, with long dimension perpendicular to supports.
- .3 Lap ends minimum 25 mm. Secure end laps with tie wire where they occur between supports.
- .4 Lap sides of diamond mesh lath minimum 38 mm.
- .5 Attach metal lath to supports at maximum 150 mm on center.

3.4 INSTALLATION - ACCESSORIES

- .1 Continuously reinforce internal angles with corner mesh, return metal lath 75 mm from corner to form the angle reinforcement; fasten at perimeter edges only.
- .2 Place corner bead at external wall corners; fasten at outer edges of lath only.
- .3 Place strip mesh diagonally at corners of lathed openings. Secure rigidly in place.
- .4 Place 100 mm wide strips of metal lath centered over junctions of dissimilar backing materials. Secure rigidly in place.
- .5 Place casing beads at terminations of plaster finish. Butt and align ends. Secure rigidly in place.

3.5 CONTROL JOINTS

- .1 Locate exterior control joints every 3 m unless otherwise indicated on drawings.
- .2 Establish control joints with specified joint device.

3.6 PLASTERING

- .1 Apply plaster in accordance with ASTM C926
- .2 Apply base coat to a nominal thickness of 9 mm, brown coat to a nominal thickness of 9 mm 3/8 inch over metal lath surfaces.
- .3 Moist cure base and brown coats for 48 hours minimum.

- .4 After curing, dampen previous coat prior to applying finish coat.
- .5 Apply brown coat to a consistent and smooth finish.
- .6 Avoid excessive working of surface. Delay troweling as long as possible to avoid drawing excess fines to surface.

3.7 ACRYLIC FINISH COAT

- .1 Apply acrylic finish coats to manufacturers instructions.
- .2 Mask all areas not receiving finish coat.
- .3 Do not apply acrylic finish coat until brown coat has cured for a minimum of four days.
- .4 Apply primer to manufacturers recommendations.
- .5 Trowel on acrylic finish coat to provide an even, smooth surface as per sample.

3.8 ERECTION TOLERANCES

- .1 Maximum Variation from True Flatness: 3 mm in 3 m 1/8 inch in 10 feet.

3.9 ANTI GRAFFITI COATING

- .1 Apply anti graffiti coating in strict accordance with manufacturers written instructions.
- .2 Provide test panel for approval prior to applying coating.
- .3 Apply to all stucco surfaces except the extended parapet fascias.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Ceramic tile wall finish using the thinset application method.
- .2 Grout
- .3 Edge protection and control joints.

1.2 RELATED SECTIONS

- .1 Section 09 21 16 – Gypsum board assemblies: Wall substrate surface.

1.3 REFERENCES

- .1 ANSI A108.1 - Installation of Ceramic Tile with Portland Cement Mortar.
- .2 ANSI A108.10 - Installation of Grout in Tilework.
- .3 ANSI A118.4 - Latex-Portland Cement Mortar.
- .4 ANSI A137.1 - Standard Specifications for Ceramic Tile.
- .5 TTMAC (Terrazzo, Tile, and Marble Association of Canada) - Manual.

1.4 SUBMITTALS

- .1 Samples: Mount tile and apply grout on two plywood panels, 300 x 300 mm in size illustrating pattern, colour variations, and grout joint size variations.

1.5 MAINTENANCE DATA

- .1 Maintenance Data: Include recommended cleaning methods, cleaning materials, stain removal methods, and polishes and waxes.

1.6 QUALITY ASSURANCE

- .1 Conform to TTMAC Manual.

1.7 QUALIFICATIONS

- .1 Installer: Company specializing in performing the work of this section with minimum five years documented experience.

1.8 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, store, protect and handle products to site.
- .2 Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.9 ENVIRONMENTAL REQUIREMENTS

- .1 Do not install adhesives in an unventilated environment.
- .2 Maintain 10 degrees C during installation of mortar materials.

1.10 EXTRA MATERIALS

- .1 Provide 2 sq. ft of each size, colour, and surface finish of tile specified.

Part 2 Products

2.1 TILE MATERIALS

- .1 Ceramic Tile (CT-1): C & S Distributors.; Exelle - Optica Series; Product No. 221405 Bianco (White); 4" x 16".
 - .1 Grout colour: G-1.
 - .2 Tile pattern: stack bond pattern.
- .2 Ceramic Tile (CT-2): C & S Distributors.; Exelle - Optica Series; Product No. 221446 Giallo (Yellow); 4" x 16".
 - .1 Grout colour: G-1.
 - .2 Tile pattern: stack bond pattern.
- .3 Ceramic Tile (CT-3): C & S Distributors.; Exelle - Optica Series; Product No. 221492 Verde pantone (Green); 4" x 16".
 - .1 Grout colour: G-1.
 - .2 Tile pattern: stack bond pattern.
- .4 Ceramic Tile (CT-4): C & S Distributors.; Exelle - Optica Series; Product No. 221491 Verde Oliva (Olive); 4" x 16".
 - .1 Grout colour: G-1.
 - .2 Tile pattern: stack bond pattern.

2.2 MORTAR MATERIALS

- .1 Acceptable Manufacturers:
 - .1 Laticrete
 - .2 Mapei
 - .3 Flextile
 - .4 C-Cure
- .2 Mortar Materials: ANSI A118.4 Latex Modified , Portland cement, sand, latex additive, and water.

2.3 GROUT MATERIALS

- .1 Grout (G-1): Mapei Kerapoxy Epoxy Grout; #38 Avalanche.

2.4 MORTAR AND GROUT MIX

- .1 Mix and proportion pre-mix setting bed and grout materials in accordance with manufacturer's instructions.

2.5 ACCESSORIES

- .1 Edge Protection (E-1): Schluter- Schiene Satin Anodized Aluminum AE sized to suit thickness of tile and depth of epoxy Floor..
- .2 Edge Protection (E-2): Schluter - Rondec Brushed Chrome Anodized Aluminum ACGB; size to suit tile thickness; on outside corners of washroom wall tile.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify that surfaces are ready to receive work.

3.2 PREPARATION

- .1 Protect surrounding work from damage or disfiguration.
- .2 Vacuum clean surfaces and damp clean.
- .3 Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
- .4 Apply sealer or conditioner to substrate surfaces in accordance with adhesive manufacturer's instructions.

3.3 INSTALLATION - THINSET METHOD

- .1 Install mortar, tile, and grout in accordance with manufacturer's instructions to TTMAC Manual.
- .2 Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- .3 Place edge strips at exposed tile edges.
- .4 Cut and fit tile tight to penetrations through tile. Form corners and bases neatly.
- .5 Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
- .6 Sound tile after setting. Replace hollow sounding units.
- .7 Allow tile to set for a minimum of 48 hours prior to grouting.

.8 Grout tile joints.

3.4 CLEANING

.1 Clean tile and grout surfaces.

3.5 PROTECTION OF FINISHED WORK

.1 Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Suspended metal grid ceiling system and perimeter trim.
- .2 Acoustic tile.

1.2 RELATED SECTIONS

- .1 Section 09 21 16 – Gypsum Board Assemblies.
- .2 Mechanical devices in ceiling system.
- .3 Electrical fixtures in ceiling system.

1.3 REFERENCES

- .1 ASTM C635 - Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
- .2 ASTM C636 - Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels.
- .3 ASTM E1264 - Classification of Acoustical Ceiling Products.

1.4 SUBMITTALS

- .1 Samples: Submit two samples 200 x 200 mm in size illustrating material and finish of acoustic units.
- .2 Samples: Submit two samples each, 300 mm long, of suspension system main runner, cross runner and perimeter molding,

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for fire rated assembly combustibility requirements for materials and seismic installation.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Maintain uniform temperature of minimum 16 degrees C, and maximum humidity of 40 percent prior to, during, and after acoustic unit installation.
- .2 Store material in work area 48 hours prior to installation.

1.7 PROJECT CONDITIONS

- .1 Sequence work to ensure acoustic ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
- .2 Install acoustic units after interior wet work is dry.

1.8 EXTRA MATERIALS

- .1 Provide 1 package of each tile specified to City.

Part 2 Products

2.1 SUSPENSION SYSTEM MATERIALS

- .1 Non-fire Rated Grid: ASTM C635, intermediate; exposed T components die cut and interlocking.
- .2 Fire Rated Grid (ACT-4): ASTM C635, intermediate, listed by UL for use in a Class A assembly, exposed T; components die cut and interlocking.
- .3 Grid Materials: Commercial quality cold rolled steel with galvanized coating.
- .4 Exposed Grid Surface Width: 24 mm.
- .5 Grid Finish: White.
- .6 Accessories: Stabilizer bars, clips, splices, perimeter moldings, required for suspended grid system.
- .7 Dropped ceiling trim: Armstrong Axium Classic; AX4STR 120 x ¾ x 4" c/w AX120SCP corner posts. Located on drawing A-1.5 note 6.
- .8 Support Channels and Hangers: Galvanized steel; size and type to suit application, seismic requirements, and ceiling system flatness requirement specified.

2.2 ACOUSTIC UNIT MATERIALS

- .1 Acoustic panel (ACT-1): Armstrong Cirrus Tegular ; Item Number 581; angled tegular edges; 24" x 48" x 7/8; White (WH) colour; grid face 15/16"; provide shadow moulding No.7874.
- .2 Acoustic panel (ACT-2): Armstrong Clean Room VL Unperforated Item No. 870; Square Lay-in edge profile; 24" x 48" x 5/8"; white (WH) colour; grid face 15/16".

Part 3 Execution

3.1 EXAMINATION

- .1 Verify that layout of hangers will not interfere with other work.

3.2 INSTALLATION - LAY-IN GRID SUSPENSION SYSTEM

- .1 Install suspension system in accordance with manufacturer's instructions and as supplemented in this section.
- .2 Install system in accordance with ASTM E580.
- .3 Install system capable of supporting imposed loads to a deflection of 1/360 maximum.

- .4 Locate system on room axis according to reflected plan.
- .5 Install after major above ceiling work is complete. Coordinate the location of hangers with other work.
- .6 Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
- .7 Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.
- .8 Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability. Support fixture loads by supplementary hangers located within 150 mm of each corner; or support components independently.
- .9 Do not eccentrically load system, or produce rotation of runners.
- .10 Perimeter Molding:
 - .1 Install edge molding at intersection of ceiling and vertical surfaces.
 - .2 Use longest practical lengths.
 - .3 Miter corners.
 - .4 Provide at junctions with other interruptions.
- .11 Form expansion joints to accommodate plus or minus 25 mm movement. Maintain visual closure.

3.3 INSTALLATION - ACOUSTIC UNITS

- .1 Install acoustic units in accordance with manufacturer's instructions.
- .2 Fit acoustic units in place, free from damaged edges or other defects detrimental to appearance and function.
- .3 Fit border trim neatly against abutting surfaces.
- .4 Install units after above ceiling work is complete.
- .5 Install acoustic units level, in uniform plane, and free from twist, warp, and dents.
- .6 Cutting Acoustic Units:
 - .1 Cut to fit irregular grid and perimeter edge trim.
 - .2 Double cut and field paint exposed edges of tegular units.
- .7 Where bullnose concrete block corners round obstructions occur, provide preformed closures to match perimeter molding.

3.4 ERECTION TOLERANCES

- .1 Maximum Variation from Flat and Level Surface: 3 mm in 3 m.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Resilient sheet flooring.
- .2 Rubber flooring
- .3 Resilient base.
- .4 Rubber Base.
- .5 Accessories.

1.2 RELATED SECTIONS

- .1 Section 09 06 00 - Room Finish Schedule
- .2 Section 09 21 16 - Gypsum Board Assemblies
- .3 Section 09 65 66 - Resilient Athletic Flooring.
- .4 Section 09 68 00 - Carpeting.

1.3 REFERENCES

- .1 ASTM E84 - Surface Burning Characteristics of Building Materials.
- .2 CSA A126 - Sheet Flooring Products
- .3 ASTM F1861 - Resilient Wall Base.
- .4 FS SS-W-40 - Wall Base: Rubber and Vinyl Plastic.

1.4 SUBMITTALS

- .1 Samples: Submit two samples, 300 x 300 mm in size illustrating colour and pattern for each floor material for each colour specified.
- .2 Submit two 300 mm long samples of base and stair material for each colour specified.

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for flame/smoke rating requirements of / in accordance with ASTM E84.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Store materials for three days prior to installation in area of installation to achieve temperature stability.
- .2 Maintain ambient temperature required by adhesive manufacturer three days prior to, during, and 24 hours after installation of materials.

1.7 MAINTENANCE DATA

- .1 Provide manufacturers instructions covering care and maintenance of materials of this section for incorporation into maintenance manual.
- .2 Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

1.8 EXTRA MATERIALS

- .1 Provide 1 linear metre of flooring, whichever is greater, and 1 m of base of each material specified.

Part 2 Products

2.1 MATERIALS - SHEET FLOORING

- .1 Resilient Sheet Flooring (RSF-1): Tarkett Optima; 2 mm thick; colour and pattern through total thickness; colour 845 - Stroke of Midnight; weldrod - 1291845.
- .2 Resilient Sheet Flooring (RSF-2): Tarkett Optima; 2 mm thick; colour and pattern through total thickness; colour 903 - Spanish Turtle; weldrod 1287240.
- .3 Resilient Sheet Flooring (RSF-3): Tarkett Optima; 2 mm thick; colour and pattern through total thickness; colour 904 - Camouflage; weldrod 1287241.
- .4 Resilient Sheet Flooring (RSF-4): Tarkett Acczent Wood finishes; 0.7 mm thick wear layer; colour 3723002 - Light Beech; weldrod 1294316.

2.2 MATERIALS - RUBBER FLOORING

- .1 Rubber Flooring (RF-1): Mondo Sport Impact; 008 black; 10 mm thick; 14.64 Kg/m²; sealskin texture, Roll width 1.19 m.
 - .1 Adhesive: Mondo PU 105 - 2 part polyurethane adhesive.
- .2 Rubber Flooring (RF-2): Mondo Sport Impact; 011 Medium Grey; 10 mm thick; 14.64 Kg/m²; sealskin texture, Roll width 1.19 m.
 - .1 Adhesive: Mondo PU 105 - 2 part polyurethane adhesive.
- .3 Rubber Flooring (RF-3): Johnsonite Rubber Tile; Roundel Solid Color Rubber Tile; 38 Pewter; 3.2 mm thick; 24" x 24" tiles; surface texture Raised Square (RT).
 - .1 Adhesive: Johnsonite #965 Acrylic Flooring and Tread Adhesive

2.3 MATERIALS - BASE

- .1 Rubber Cove Base (RB-1): rubber; top set coved (DC); Johnsonite 40 Black; 150 mm high.

2.4 ACCESSORIES

- .1 Subfloor Filler: White premix latex ; type recommended by adhesive material manufacturer.
- .2 Primers and Adhesives: Waterproof; types recommended by flooring manufacturer.
- .3 Adapter (T-1): Johnsonite Carpet to resilient adapter; 6 mm carpet to 3 mm resilient; model no. CTA-40-A; 40 Black.
- .4 Adapter (T-2): Johnsonite Carpet to resilient adapter; 10 mm to 8 mm; model no. CCA-40; 40 Black. Width 25 mm.
- .5 Transition (T-3): Johnsonite wheeled traffic Transition; 3 mm to 10mm; model no. CTA-40-K; 40 Black. Width 65mm.
- .6 Transition (T-4): Johnsonite reducer; 3 mm to floor; model no. RRS-40-D; 40 Black. Width 65 mm.
- .7 Transition (T-5):): Johnsonite wheeled traffic Transition; 10 mm to floor; model no. CTA-40-P; 40 Black. Width 65mm.
- .8 Cove Cap (CC-1): Johnsonite - Resilient Cove Cap; for 3 mm material; SCC-40-B; 40 Black.
- .9 Cant Strip: Plastic 38 mm radius.
- .10 Sealer and Wax: Types recommended by flooring manufacturer.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify concrete floors are dry to a maximum moisture content acceptable to flooring and adhesive manufacturer, and exhibit negative alkalinity, carbonization, or dusting.
- .2 For renovation work, the existing substrate floor and lower wall surfaces must be acceptable to receive new floor and base adhesives. Supplement the following paragraph to address specific project conditions.
- .3 Verify floor and lower wall surfaces are free of substances that may impair adhesion of new adhesive and finish materials.

3.2 PREPARATION

- .1 Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
- .2 Prohibit traffic until filler is cured.
- .3 Vacuum clean substrate.
- .4 Apply primer to surfaces as required by adhesive manufacturer.

3.3 INSTALLATION - SHEET FLOORING

- .1 Install in accordance with manufacturer's instructions.
- .2 Spread only enough adhesive to permit installation of materials before initial set.
- .3 Set flooring in place, press with heavy roller to attain full adhesion.
- .4 Lay flooring with joints and seams in accordance with seaming plan. parallel to building lines to produce minimum number of seams.
- .5 Install sheet flooring parallel to length width of room. Provide minimum of 1/3 full roll width. Double cut sheet; provide continuously heat welded seal. butt joint.
- .6 Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar.
- .7 Install adaptors and transitions at unprotected or exposed edges, and where flooring terminates.
- .8 Turn up flooring to form base where scheduled. Back floor and wall junction with cant strip. Provide cap strip to terminate base. Taper cant strip at door frames to prevent cove from protruding past frame.
- .9 Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.
- .10 Install RSF-4 with wood planks running North and South in one piece per length with no East - West seams.
- .11 Rubber flooring: butter edges of RF-1 flooring with adhesive to seal seams in accordance with manufacturers recommendations.
- .12 Installation of RF-2 and RF-2: butter seams and edges as well as applying adhesive to floor in accordance with manufactures recommendations.

3.4 INSTALLATION - BASE

- .1 Fit joints tight and vertical. Maintain minimum measurement of 450 mm between joints.
- .2 Miter internal corners. At external corners, 'V' cut back of base strip to 2/3 of its thickness and fold.
- .3 Install base on solid backing. Bond tight to wall and floor surfaces.
- .4 Scribe and fit to door frames and other interruptions.

3.5 CLEANING

- .1 Remove access adhesive from floor, base, and wall surfaces without damage.

- .2 Clean, seal, and wax floor and base surfaces in accordance with manufacturer's instructions.

3.6 PROTECTION OF FINISHED WORK

- .1 Prohibit traffic on floor finish for 48 hours after installation.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Resilient sheet athletic flooring.
- .2 Game Lines.
- .3 Accessories.

1.2 RELATED SECTIONS

- .1 Section 04 22 00 - Concrete Masonry
- .2 Section 09 06 00 - Room Finish Schedule
- .3 Section 09 65 00 - Resilient Flooring
- .4 Section 09 21 16 - Gypsum Board Assemblies
- .5 Section 09 68 00 - Carpeting.

1.3 REFERENCES

- .1 ASTM E84 - Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS

- .1 Samples: Submit two samples, 300 x 300 mm in size illustrating colour and pattern for each floor material for each colour specified.

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for flame/smoke rating requirements of / in accordance with ASTM E84.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Store materials for three days prior to installation in area of installation to achieve temperature stability.
- .2 Maintain ambient temperature required by adhesive manufacturer three days prior to, during, and 24 hours after installation of materials.

1.7 MAINTENANCE DATA

- .1 Provide manufacturers instructions covering care and maintenance of materials of this section for incorporation into maintenance manual.
- .2 Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing if required.

1.8 EXTRA MATERIALS

- .1 Provide 1 linear metre of flooring and 1 m of base of each material specified.

Part 2 Products

2.1 MATERIALS - SHEET FLOORING

- .1 Resilient Sheet Flooring (SV-1): 7.0 mm Taraflex Sport M Plus distributed by Advantage Sport.
 - .1 Flooring material: PVC consisting of plasticized and grained P.V.C. wear layer applied to second layer of P.V.C closed cell foam reinforced with fibreglass web.
 - .2 Fungistatic and bacteriostatic treatment applied to wear layer.
 - .3 Wear layer treated with a photoreticulated, UV cured polyurethane applied at the factory.
 - .4 Properties: roll width 1500 mm; 7.0 mm thick; 4.39 kg/m²; Colour - 6381 Maple Design.
- .2 Resilient Sheet Flooring (SV-2): 5.0 mm Taraflex Multi-Use 5.0 distributed by Advantage Sport.
 - .1 Flooring material: PVC consisting of plasticized and grained P.V.C. wear layer applied to second layer of P.V.C closed cell foam reinforced with fibreglass web.
 - .2 Fungistatic and bacteriostatic treatment applied to wear layer.
 - .3 Wear layer treated with a photoreticulated, UV cured polyurethane applied at the factory.
 - .4 Properties: roll width 1500 mm; 5.0 mm thick; 2.83 kg/m²; colour to be 6381 Maple Design.

2.2 MATERIALS - BASE

- .1 Refer to room finish schedule 09 06 00..

2.3 ACCESSORIES

- .1 Adhesive: as approved by flooring manufacturer.
- .2 Subfloor Filler: Polyurethane epoxy as approved by Flooring manufacturer.
- .3 Game Lines: two component polyurethane line marking paint as approved, certified and provided by sport surface manufacturer; refer to game line layout detail sheets for colours and layout.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify concrete floors are dry to a maximum moisture content acceptable to flooring and adhesive manufacturer, and exhibit negative alkalinity, carbonization, or dusting.

- .2 Verify floor and lower wall surfaces are free of substances that may impair adhesion of new adhesive and finish materials.

3.2 PREPARATION

- .1 Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
- .2 Prohibit traffic until filler is cured.
- .3 Vacuum clean substrate.
- .4 Apply primer to surfaces as required by adhesive manufacturer.

3.3 INSTALLATION - SHEET FLOORING

- .1 Install in accordance with manufacturer's written instructions.
- .2 Spread only enough adhesive to permit installation of materials before initial set.
- .3 Set flooring in place, press with medium weight roller to attain full adhesion.
- .4 Lay flooring with joints and seams in accordance with seaming plan. parallel to building lines to produce minimum number of seams.
- .5 Install sheet flooring parallel to length width of room. Provide continuously heat welded seal. butt joint.
- .6 Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar.
- .7 Install adaptors and transitions at unprotected or exposed edges, and where flooring terminates.
- .8 Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints. Gymnasium floor to be but tight to walls without base - refer to room finish schedule.

3.4 INSTALLATION – GAME LINES

- .1 Install two component polyurethane paint to manufacturers written instructions.
- .2 Ensure floor is scrubbed and free of wax, oil or lime.
- .3 Prime surface in accordance with paint manufacturers recommendations.
- .4 Mark off gymnasium floor in accordance with game requirements as shown of drawings. Use only high quality masking tape to prevent bleeding under tape.
- .5 Prohibit traffic on floor for 72 hours after installation.

3.5 CLEANING

- .1 Remove excess adhesive from floor, base, and wall surfaces without damage.
- .2 Clean floor surfaces in accordance with manufacturer's instructions.

3.6 PROTECTION OF FINISHED WORK

- .1 Prohibit traffic on floor finish for 48 hours after installation.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Carpet placed with glue down method.
- .2 Accessories.

1.2 RELATED SECTIONS

- .1 Section 03 30 00-Cast in Place Concrete: Floor substrate surface.
- .2 Section 09 21 16-Gypsum Board Assemblies: Wall materials to receive application of base.
- .3 Section 09 65 00 - Resilient Flooring: Base

1.3 REFERENCES

- .1 ASTM D2859 - Test Method for Flammability of Finished Textile Floor Covering Materials.
- .2 ASTM E84 - Surface Burning Characteristics of Building Materials.
- .3 ASTM E648 - Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.

1.4 SUBMITTALS

- .1 Samples: Submit two samples 300 x 300 mm in size illustrating colour and pattern for each carpet material specified.

1.5 QUALIFICATIONS

- .1 Installer: Company specializing in installing carpet with minimum three years documented experience.

1.6 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for flame/smoke rating.

1.7 ENVIRONMENTAL REQUIREMENTS

- .1 Store materials for 3 days prior to installation in area of installation to achieve temperature stability.
- .2 Maintain minimum 21 degrees C ambient temperature 1 days prior to, during and 24 hours after installation.

1.8 MAINTENANCE DATA

- .1 Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning.

1.9 EXTRA MATERIAL

- .1 Provide 2 sq m of carpeting of each type, colour, and pattern specified.

Part 2 Products

2.1 MATERIALS - CARPET

- .1 Carpet (CPT-1): Shaw Contract Group; Style No 60566 - Think Big; colour 64595 - Metal Guru; 100% Eco Solution Q ® premium Branded Nylon; Multi level loop; 12' widths; weight 24 oz.; finished pile height 0.108"; secondary backing Teklok.

2.2 ACCESSORIES

- .1 Sub-Floor Filler: White premix latex ; type recommended by adhesive material manufacturer.
- .2 Grout for leveling entrance matting: Ardex K55 leveling grout.
- .3 Adhesive: Low VOC type compatible with carpet material and recommended by carpet manufacturer.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify that surfaces are smooth and flat with maximum variation of 6 mm in 3 m, and are ready to receive work.
- .2 Verify concrete floors are dry to a maximum moisture content of 7 percent; and exhibit negative alkalinity, carbonization, or dusting.

3.2 PREPARATION

- .1 Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler.
- .2 Apply, trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.
- .3 Vacuum clean substrate.

3.3 INSTALLATION

- .1 Apply carpet and adhesive in accordance with manufacturers' instructions.
- .2 Verify carpet match before cutting to ensure minimal variation between dye lots.
- .3 Double cut carpet, to allow intended seam and pattern match. Make cuts straight, true, and unfrayed
- .4 Locate seams in area of least traffic.

- .5 Lay carpet tight and flat on subfloor, well fastened at edges, with a uniform appearance. Provide monolithic colour, pattern, and texture match within any one area.
- .6 Do not change run of pile in any room where carpet is continuous through a wall opening into another room. Locate change of colour or pattern between rooms under door centerline.
- .7 Centre carpet CPT-1 with pattern centered in corridor, run pattern in East West direction. Confirm pattern layout with Contract Administrator prior to cutting.
- .8 Cut and fit carpet around interruptions.
- .9 Fit carpet tight to intersection with vertical surfaces without gaps.
- .10 Where wall bases are scheduled, cut carpet tight to walls. Fit carpet tight to vertical interruptions, leaving no gaps.

3.4 CLEANING

- .1 Remove excess adhesive without damage, from floor, base, and wall surfaces.
- .2 Clean and vacuum carpet surfaces.

END OF SECTION

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Site assembled acoustical wall panels.
- .2 Manufactured acoustical wall panels.

1.2 RELATED SECTIONS

- .1 Section 09 06 00 - Room Finish Schedule.
- .2 Section 07 21 15 - Insulation
- .3 Section 07 28 00 - Air and Vapour Barriers.
- .4 Section 09 51 23 - Acoustical Tile Ceilings.

1.3 REFERENCES

- .1 ASTM E1264 - Classification of Acoustical Ceiling Products.
- .2 UL - Fire Resistance Directory.

1.4 SUBMITTALS

- .1 Samples: Submit two samples 200 x 200 mm in size illustrating material and finish of wall acoustic unit acoustic units.

1.5 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for fire rated assembly and combustibility requirements for materials.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Maintain uniform temperature of minimum 16 degrees C and maximum humidity of 40 percent prior to, during, and after acoustic unit installation.
- .2 Store material in work area 48 hours prior to installation.

1.7 PROJECT CONDITIONS

- .1 Sequence work to ensure acoustic panels are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
- .2 Install acoustic units after interior wet work is dry.

PART 2 PRODUCTS

2.1 SITE ASSEMBLED ACOUSTIC WALL PANELS

- .1 Acoustic panels (APL-1): Aspen wood fibres bonded with inorganic cement binders formed under pressure on wood strapping and filled with rigid fibreglass insulation infill, manufactured by Tectum Inc.
- .2 Panel thickness to be 25 mm and in-filled with 2.25lb density fibreglass insulation, total thickness 50mm. Refer to drawings for panel sizes and fastening details.
- .3 Panel size to be as noted on drawings with 12 mm chamfered edges on all four sides.
- .4 Fasteners: drywall screws with heads painted to match panels on gypsum board walls or Tapcon masonry anchors on concrete block walls.
- .5 Finish: site painted.

2.2 MANUFACTURED ACOUSTIC WALL PANELS

- .1 Acoustic Panel (APL-2): medium density core with fabric finish. Decoustics; AP; resin hardened edge; square edge profile; fabric covering: Guilford of Maine Panel Fabric FR 701, Style 2100, colour 538 Silver Papier; 38 mm thick.
- .2 Provide mechanical mounting for secure attachment to wall.
- .3 Provide attachment to wall using screws suitable to substrate. On gypsum board walls screws to penetrate steel studs.

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Verify that surfaces are ready to receive work.
- .2 Beginning of installation means acceptance of site conditions.

3.2 INSTALLATION WALL PANELS

- .1 Fit acoustic units in place, free from damaged edges or other defects detrimental to appearance and function.
- .2 Apply Tectum panels and furring using drywall screws at 300 mm o. c. min. But edges tight to adjacent panels. Ensure all fasteners penetrate through panels to blocking behind gypsum board.

3.3 INSTALLATION - ACOUSTIC UNITS

- .1 Install acoustic units in accordance with manufacturer's instructions.
- .2 Fit acoustic units in place, free from damaged edges or other defects detrimental to appearance and function.

- .3 Install acoustic units level, in uniform plane, and free from twist, warp, and dents.

3.4 ERECTION TOLERANCES

- .1 Maximum Variation from Flat and Level Surface: 3 mm in 3 m.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Surface preparation and field application of paints and coatings.

1.2 RELATED SECTIONS

- .1 Section 05 10 00 - Structural steel: Shop primed items.
- .2 Section 08 14 16-Flush Wood Doors.
- .3 Section 09 06 00 - Room Finish Schedule
- .4 Mechanical Identification.
- .5 Electrical Identification.

1.3 REFERENCES

- .1 ASTM D16 - Definitions of Terms Relating to Paint, Varnish, Lacquer, and Related Products.
- .2 ASTM D2016 - Test Method for Moisture Content of Wood.
- .3 MPI (The Master Painters Institute) - Architectural Painting Specification Manual
- .4 SPCC - Society for Protective Coatings (formerly Steel Structures Painting Council):
 - .1 Steel Structures Painting Manual.

1.4 SUBMITTALS

- .1 Samples: Submit two samples, 200 x 200 mm in size illustrating selected colours and textures for each colour selected.

1.5 QUALIFICATIONS

- .1 Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum five years documented experience.
- .2 Applicator: Company specializing in performing the work of this section with minimum five years documented experience.
- .3 Acceptable manufacturers, materials, workmanship and all items affecting the work of this section is to be in accordance with The Master Painters Institute (MPI) "Architectural Painting Specification Manual".

1.6 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, store, protect and handle products to site.
- .2 Deliver products to site in sealed and labelled containers; inspect to verify acceptability.

- .3 Container label to include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, colour designation, and instructions for mixing and reducing.
- .4 Store paint materials at minimum ambient temperature of 7 degrees C and a maximum of 32 degrees C, in ventilated area, and as required by manufacturer's instructions.

1.7 ENVIRONMENTAL REQUIREMENTS

- .1 Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- .2 Do not apply exterior coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.
- .3 Minimum Application Temperatures for Latex Paints: 7 degrees C for interiors; 10 degrees C for exterior; unless required otherwise by manufacturer's instructions.
- .4 Provide lighting level of 860 lx measured mid-height at substrate surface.

1.8 EXTRA MATERIALS

- .1 Provide 4 L of each colour, type, and surface texture to City.
- .2 Label each container with colour, type, texture, room locations, and in addition to the manufacturer's label.

Part 2 Products

2.1 MANUFACTURERS

- .1 Manufacturers: all paint and varathane used shall be listed in the Master Painters Institute approved product List – most recent edition..
- .2 Paint materials for paint systems shall be products of a single manufacturer.

2.2 MATERIALS

- .1 Coatings: Ready mixed, except field catalyzed coatings, capable of being readily and uniformly dispersed to a homogeneous coating; good flow and brushing properties; capable of drying or curing free of streaks or sags.
- .2 Accessory Materials: Linseed oil, shellac, turpentine, paint thinners and other materials not specifically indicated but required to achieve the finishes specified, of commercial quality.
- .3 Patching Materials: Latex filler.
- .4 Fastener Head Cover Materials: Latex filler.

2.3 FINISHES

- .1 Refer to schedule at end of section for surface finish and colour schedule.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify that surfaces substrate conditions are ready to receive work as instructed by the product manufacturer.
- .2 Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- .3 Test shop applied primer for compatibility with subsequent cover materials.
- .4 Do not apply finishes unless moisture content of surfaces are below the paint manufacturer's recommended maximums.

3.2 PREPARATION

- .1 Remove electrical plates, hardware, light fixture trim, escutcheons, and fittings prior to preparing surfaces or finishing.
- .2 Correct defects and clean surfaces which affect work of this section. Remove existing coatings that exhibit loose surface defects.
- .3 Seal with shellac and seal marks which may bleed through surface finishes.
- .4 Impervious Surfaces: Remove mildew by scrubbing with solution of tri-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- .5 Insulated Coverings: Remove dirt, grease, and oil from canvas and cotton.
- .6 Gypsum Board Surfaces: Fill minor defects with filler compound. Spot prime defects after repair.
- .7 Galvanized Surfaces: Remove surface contamination and oils and wash with solvent. Apply coat of etching primer.
- .8 Concrete and Unit Masonry Surfaces Scheduled to Receive Paint Finish: Remove dirt, loose mortar, scale, salt or alkali powder, and other foreign matter. Remove oil and grease with a solution of tri-sodium phosphate; rinse well and allow to dry. Remove stains caused by weathering of corroding metals with a solution of sodium metasilicate after thoroughly wetting with water. Allow to dry.
- .9 Uncoated Steel and Iron Surfaces: Remove grease, mill scale, weld splatter, dirt, and rust. Where heavy coatings of scale are evident, remove by hand, power tool, wire brushing or sandblasting; clean by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring weld joints, bolts, and nuts are similarly cleaned. Spot prime paint after repairs.
- .10 Shop Primed Steel Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces.

- .11 Interior Wood Items Scheduled to Receive Paint Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats.
- .12 Interior Wood Items Scheduled to Receive Transparent Finish: Wipe off dust and grit prior to sealing, seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after sealer has dried; sand lightly between coats.
- .13 Wood Doors: Seal top and bottom edges.

3.3 APPLICATION

- .1 Apply products in accordance with manufacturer's instructions.
- .2 Do not apply finishes to surfaces that are not dry.
- .3 Apply each coat to uniform finish.
- .4 Apply each coat of paint slightly darker than preceding coat unless otherwise approved.
- .5 Sand wood and metal lightly between coats to achieve required finish.
- .6 Vacuum clean surfaces free of loose particles. Use tack cloth just prior to applying next coat.
- .7 Allow applied coat to dry before next coat is applied.
- .8 Where clear finishes are required, tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.

3.4 FINISHING MECHANICAL AND ELECTRICAL EQUIPMENT

- .1 Refer to Mechanical and Electrical Sections for schedule of colour coding and identification banding of equipment, duct work, piping, and conduit.
- .2 Paint shop primed equipment. Paint shop prefinished items occurring at interior areas.
- .3 Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.
- .4 Prime and paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, and except where items are prefinished.
- .5 Paint interior surfaces of air ducts, and convector and baseboard heating cabinets that are visible through grilles and louvers with one coat of flat black paint, to visible surfaces. Paint dampers exposed behind louvers, grilles, and convector and baseboard cabinets to match face panels.
- .6 Paint exposed conduit and electrical equipment occurring in finished areas.
- .7 Paint both sides and edges of plywood backboards for electrical and telephone equipment before installing equipment.

- .8 Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.5 CLEANING

- .1 Collect waste material which may constitute a fire hazard, place in closed metal containers and remove daily from site.

3.6 SCHEDULE

- .1 All paint systems shall consist of one coat primer and two finish coats minimum except for intense colours shall have three finish coats.
- .2 All concrete block to have one coat block filler, and two finish coats alkyd enamel finish.
- .3 All metal (doors, frames and miscellaneous metal): one coat of primer and two coats alkyd enamel.
- .4 Where exposed ceiling structure with wood decking occurs structure is to be painted and wood is to be clear stained.
- .5 Unless other wise specified finish as follows:
 - .1 All metal shall be alkyd enamel.
 - .2 All gypsum board shall be latex acrylic enamel.
- .6 Refer to paint finish schedule for paint colours.
- .7 ST-1 clear finish to be four coats of satin finish, sand between coats.

3.7 PAINT FINISH SCHEDULE

- .1 P-1: ICI Deep Onyx 00NN 07/000; Order #A 2015; G5 Finish.
- .2 P-2: ICI Deep Onyx 00NN 07/000; Order #A2015 G6 Finish.
- .3 P-3: ICI Triple Crown 40YY 49/408; G5 Finish.
- .4 P-4: ICI Obsidian Glass; 00NN 13/000 Order #A2014; G6 Finish.
- .5 P-5: ICI Winterwash 50YR 83/003; Order #A1709; G6 Finish.
- .6 P-6: ICI Winterwash 50YR 83/003; Order #A1709; G1 Finish.
- .7 P-7 ICI Winterwash; 50YR 83/003; Order #A1709; G5 Finish.
- .8 P-8: ICI Touch of Grey 30BB 72/003; Order #A2003 G4 Finish.
- .9 P-9: ICI Snowfield 00NN 72/000; Order #A2010 G5 Finish.
- .10 P-10: ICI Universal Grey 00NN 62/000; Order #A2004; G5 Finish.
- .11 P-11: ICI Forest Black 30YY 10/038, Order #A1833; G5Finish

- .12 P-12: ICI Veil 00NN 53/000; Order #A2011; G5 Finish.
- .13 P-13: ICI Olive Branch 70YY 43/218; G4 Finish.
- .14 P-14: ICI Lima Green 70YY 37/366; Order #A0937; G5 Finish.
- .15 P-15: ICI Garnish 90YY 21/371; Order #A0972; G5 Finish.
- .16 P-16: ICI Tarragon Glory 90YY 07/093; Order #A0917; G5 Finish.
- .17 P-17: ICI Burmese Beige 40YY 51/084; G4 Finish.
- .18 P-18: ICI Burmese Beige 40YY 51/084; G5 Finish.
- .19 P-19: ICI Hale Village 20YY 22/129; Order #A1827; G4 Finish.
- .20 P-20: ICI Manuscript 40YY 60/103; G5 Finish.
- .21 P-21: ICI Treasure Trove 30YY 38/370; G5 Finish.
- .22 P-22: ICI Calypso Green 10GY 21/375, Order #A0915; G5 Finish
- .23 EP-23 (Epoxy Paint) ICI Snowfield 00NN 72/000; Order #A2010 G5 Finish.
- .24 ST-1: Clear finish; non yellowing water base; Flecto Diamond Elite varathane.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Epoxy flooring application and curing.
- .2 Cove base.
- .3 Protection to adjacent materials and surfaces.
- .4 Clean up all surfaces and areas of work.
- .5 Substrate preparation

1.2 RELATED SECTIONS

- .1 Section 09 90 00 – Painting and Coating

1.3 SAMPLES

- .1 Provide two samples each 300 mm x 300 mm minimum size on 12 mm inch thick plywood indicating floor colour and texture of flooring selected. Submit range of slip resistance available for selection by Contract Administrator.

1.4 QUALITY ASSURANCE

- .1 Execute work of this Section by applicators approved by floor coating manufacturer having five years of experience and a proven record of satisfactory installations similar to that specified

1.5 MAINTENANCE DATA

- .1 Upon completion of work of this Section and prior to Substantial Performance of the Work provide Contract Administrator three copies of manufacturer's instructions covering care and maintenance of flooring.

1.6 DELIVERY / STORAGE / HANDLING

- .1 Store materials in a dry protected area with a minimum temperature of 16°C and away from fires or open flames.
- .2 Handle and store materials in accordance with manufactures printed directions.
- .3 Do not use materials that has been stored for period of time exceeding maximum recommended shelf life of materials.

1.7 ENVIRONMENTAL CONDITIONS

- .1 Maintain surface and ambient temperature of 16°C for 24 hours before, during and 48 hours after flooring has cured.

- .2 Ventilate area in which flooring is being applied.
- .3 Provide uniform and sufficient lighting in areas of installation.

1.8 PROTECTION

- .1 Mask and protect adjacent surfaces and materials from damage. Make good any damage so caused to the satisfaction of the Contract Administrator.
- .2 Keep all traffic out of area in which flooring is being applied or being cured.

Part 2 Products

2.1 MATERIALS

- .1 Epoxy Seamless Flooring (EF-1): CGSB 81-GP-4M; 100% solids, no VOC no odour, multicoat system consisting of troweled mortar system: two component Epoxy, system consisting of primer, Aggregate mortar, and seal coat; 6 mm thick.
 - .1 Manufacturer: Stonehard, Stonshield HRI with Stonproof ME7 waterproof membrane; colour to be Ash with medium non slip texture and matte finish.
- .2 Primer, Cleaning Solvents: as recommended by the manufacturer for the specific site conditions.

Part 3 Execution

3.1 PREPARATION

- .1 Prepare existing floor surface to requirements of flooring materials manufacturer.
- .2 Shot blast floor area prior to applying material.
- .3 Ensure that sub-floor is clean, dry, hard and sound and free of oils or any other substance which would affect proper bonding and curing.
- .4 Report any defects or conditions affecting the flooring installation to the Contract Administrator in writing.
- .5 Pre-fill surface irregularities, holes, cracks, as per manufacturers recommendations.
- .6 Level floor prior to applying epoxy flooring material. Use levelling material and methods to flooring manufacturers recommendations. At sloped areas use epoxy material compatible with flooring material to achieve slope.
- .7 Ensure that backing surfaces for cove bases are free of voids and irregularities. Fill recessed joints with recommended epoxy plaster.

3.2 PROTECTION

- .1 Protect adjacent surfaces from damage resulting from work of this trade. If necessary, mask and/or cover adjacent surfaces, fixtures, equipment, etc. by suitable means.

- .2 Traffic control - no individuals permitted in areas during application and until surface has cured, including protection after cure, against damage by other trades working over the floor.

3.3 APPLICATION -GENERAL

- .1 Application of fluid plastic flooring is to be performed by trained and experienced applicators franchised by the manufacturer.
- .2 Prepare, mix materials and apply each component of flooring system in strict accordance with CGSB 81-GP-10M and manufacturers printed directions to produce uniform monolithic wearing surface of thickness specified, with integral cove bases, uninterrupted except at divider strips or sawn joints.
- .3 Apply flooring ensuring that no laps, pin holes voids, crawls, skips or other marks or irregularities are visible, and to provide uniform appearance.
- .4 Make clean true junctions with no visible overlap between adjoining applications or coatings.

3.4 FINISH COATS

- .1 Apply finish coats as recommended by manufacture to obtain specified finish and slip resistance to match approved samples and to Contract Administrators approval.

3.5 COVE BASES

- .1 General: Provide 25 mm cove at junction of wall and floor. Run epoxy floor up wall to height noted on schedule, terminate base with metal cove strip.

3.6 CLEAN UP

- .1 Promptly as work proceeds, clean up excess materials, rubbish and overspray or splash.

END OF SECTION