

170

Markham Elementary School

2/8/2008 2:23 PM

School and Site Level Deficiencies**Site**

Deficiency	ID	Qty	UoM	Priority
Asphalt Walks Are Damaged And Require Replacement	3912	1,500	SF	3
K Play Area Requires Replacement	4037	1	Ea.	3
Playground Requires Replacement	4038	1	Ea.	3
Exterior Basketball Goals Are Damaged And Require Replacement	3914	2	Ea.	4
K playground not appropriately fenced or buffered.	14035	1	Ea.	5
Paved Play Requires Recoating And Resurfacing	3913	14,000	SF	5
School lacks marquee or marquee in poor condition.	11306	1	Ea.	5
School lacks marquee or marquee in poor condition.	13837	1	Ea.	5
Site Signage Is Damaged And Requires Replacement	3908	14	Ea.	5
Sub Total for System		9		

Electrical

Deficiency	ID	Qty	UoM	Priority
School site lacks appropriate lighting.	14074	10	Ea.	5
Sub Total for System		1		

Technology

Deficiency	ID	Qty	UoM	Priority
Facility lacks centralized video distribution equipment	16776	1	Ea.	3
Facility lacks Distribution Closet for IDF	18392	1	Ea.	3
Facility lacks VOIP central equipment	16865	1	Ea.	3
Sub Total for System		3		

Other

Deficiency	ID	Qty	UoM	Priority
School lacks covered PE shelter	13329	1	Ea.	4
Sub Total for System		1		
Sub Total for School and Site Level		14		

Building: A - Main Building**Site**

Deficiency	ID	Qty	UoM	Priority
Elevation changes prevent access (curbs, stairs, stages, doorway thresholds etc.)	12352	1	LF	1
Elevation changes prevent access (curbs, stairs, stages, doorway thresholds etc.)	12353	1	LF	1
Elevation changes prevent access (curbs, stairs, stages, doorway thresholds etc.)	12354	1	LF	1
Surface or slope / cross-slope of walkway not compliant.	12339	20	LF	1
Sub Total for System		4		

Roofing

Deficiency	ID	Qty	UoM	Priority
Shingle Roof Requires Replacement	11341	32,593	SF	1
The Multi-Ply Bitumen Roof Covering Is Damaged And Requires Replacement	11339	3,798	SF	1
Debris In Gutters Should Be Removed	11342	540	LF	2
Wood roof diaphragms need enhancement	13524	1	LS	2
The Metal Downspouts Are Damaged Or Missing And Requires Replacement	11338	140	LF	3
The Roof Requires Cleaning	11340	12,000	SF	4
Sub Total for System		6		

Structural

Deficiency	ID	Qty	UoM	Priority
Chimney requires lateral bracing.	13522	1	LS	1

170

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2/8/2008 2:23 PM

Structural

Deficiency	ID	Qty	UoM	Priority
Lateral forces are not accommodated	13523	1	LS	1
Wall to roof connections require enhancement	13521	1	LS	1
Sub Total for System		3		

Exterior

Deficiency	ID	Qty	UoM	Priority
The Aluminum Window Is Damaged And Requires Replacement	3927	6,260	SF	2
Exterior door hardware is damaged and should be replaced	3922	74	Ea.	3
Exterior Doors is not equipped with Card Key Access	17902	74	Ea.	3
Exterior Metal Door Requires Repainting	3920	74	Door	3
The Exterior Requires Painting	3917	4,000	SF Wall	5
The Exterior Soffit Is Damaged And Requires Repainting	3919	2,000	SF	5
Sub Total for System		6		

Interior

Deficiency	ID	Qty	UoM	Priority
Acoustical Wall Treatment is missing and is needed	15809	4,704	SF	3
Door is not equiped with Card Key Access	17533	146	Ea.	3
Interior Doors Require Replacement	3949	146	Door	3
The Carpet Flooring Is Damaged And Requires Replacement	3941	20,000	SF	3
The Vinyl Composition Tile Flooring Is Damaged And Requires Replacement	3943	40,000	SF	3
Blinds are missing or in poor condition.	15824	432	SF Surf	4
The Wood Flooring Is Damaged And Requires Repair	3948	300	SF	4
Classroom door lacks the appropriate vision panel.	15814	4	Ea.	5
Elementary School lacks appropriate wayfinding system.	14133	1	Ea.	5
Interior Walls Require Repainting	3940	80,748	SF	5
Large rooms lack capacity signs.	15825	10	Ea.	5
The Acoustical Ceilings Tiles Are Damaged And Require Replacement	3928	69,611	SF	5
The Gypboard Ceilings Are Damaged And Requires Repainting	3938	8,500	SF	5
Sub Total for System		13		

Mechanical

Deficiency	ID	Qty	UoM	Priority
Kitchen Fire Suppression Hood is Missing	3992	1	Ea.	2
LC: The Mechanical / Heat Exchanger / Steam to Water system is beyond its useful life.	4013	3	Ea.	2
LC: The Mechanical / Steam Condensate Reliever / Reliever, Tank and Pump system is beyond its useful life.	4014	1	Ea.	2
Small HVAC Circulating Pump requies Replacement	10896	6	Ea.	2
The Air Handler HVAC Component Is Damaged And Requires Replacement	4001	48,000	CFM	2
The Boiler HVAC Component Is Damaged And Requires Replacement	4002	8,000	MBH	2
The HVAC Terminal Device Is Damaged And Requires Replacement	4006	2	Ea.	2
The Radiant Heat HVAC Component Is Damaged And Requires Replacement	4003	15	Ea.	2
Unit Ventilator requires Replacement	10897	2	Ea.	2
Air Compressor is Inoperable and Requires Replacement	4009	1	Ea.	3
Ductwork Is Damaged And Should Be Replaced	3996	430	LF	3
Kitchen Air/Exhaust is Inadequate and Should be Repaired	3990	1	Ea.	3
Test And Balancing Required	3993	38,183	SF	3
The Make Up Air Equipment Is Damaged And Requires Replacement	4007	1	Ea.	3
Complete Kitchen HVAC Installation For Non-Air-Conditioned Facility?	3989	800	SF	4
Controls Are Inadequate And Should Be Replaced With DDC Controls	3994	82,794	SF	4
Exhaust Fan Ventilation Is Damaged And Should Be Replaced	3998	10	Ea.	4
Make-Up Air Inadequate And Should Be Increased	3988	800	SF	4

170

Markham Elementary School

2/8/2008 2:23 PM

Mechanical

Deficiency	ID	Qty	UoM	Priority
Duct Cleaning Required	3995	82,794	SF	5
Sub Total for System		19		

Electrical

Deficiency	ID	Qty	UoM	Priority
Generator Is Damaged And Requires Replacement	3967	20	KW	1
Generator Is Damaged And Requires Replacement	10898	15	KW	1
The Distribution Panel Is Damaged And Should Be Replaced	3974	1,600	Amps	2
The Electrical Disconnect Is Damaged And Should Be Replaced	3971	10	Amps	2
The Electrical Transformer Is Damaged And Should Be Replaced	3972	300	KVA	2
The Exterior Liquid Filled Transformer Is Damaged And Should Be Replaced	3963	225	KVA	2
The Panelboard Is Damaged And Should Be Replaced	3976	4,000	Amps	2
The Power Service Is Inadequate And Should Be Replaced	3970	1,600	Amps	2
Circuits need to be added to support additional outlets	16678	4	Ea.	3
LC: The Electrical / Lighting Fixtures and Branch Wiring system is beyond its useful life.	3969	82,794	SF	3
The Mounted Building Lighting Is Damaged And Should Be Replaced	3961	30	Ea.	3
The Canopy Lighting Is Damaged And Should Be Replaced	3960	15	Ea.	4
The Electrical Circuit Capacity Is Inadequate	3980	50	EACH	4
Room does not have tamper-proof light switching.	15813	1	Ea.	5
Room has insufficient electrical outlets.	15810	42	Ea.	5
Room lacks controls to partially dim lights.	15823	5	Ea.	5
Room lighting is inadequate or in poor condition.	15822	30,060	SF	5
Sub Total for System		17		

Plumbing

Deficiency	ID	Qty	UoM	Priority
Completely nonaccessible toilet room.	12349	1	Ea.	1
Pump - 2" requires replacement	4015	7	Ea.	2
The Water Heater Plumbing Fixtures Are Damaged And Should Be Replaced	4016	2	Ea.	2
LC: The Plumbing / Domestic Water Piping System system is beyond its useful life.	4011	82,794	SF	3
The Showers Plumbing Fixtures Are Damaged And Should Be Replaced	4025	1	Ea.	3
The Toilets Plumbing Fixtures Are Damaged And Should Be Installed	4022	3	Ea.	3
The Toilets Plumbing Fixtures Are Damaged And Should Be Replaced	4023	28	Ea.	3
The Urinal Plumbing Fixtures Are Damaged And Should Be Replaced	4024	16	Ea.	3
Drinking Fountain unit not accessible.	12355	1	Ea.	4
Drinking Fountain unit not accessible.	12356	2	Ea.	4
The Class Room Lavatories Plumbing Fixtures Are Damaged And Should Be Replaced	4018	22	Ea.	4
The Custodial Mop Or Service Sink Is Damaged And Should Be Replaced	4019	5	Ea.	4
The Non-Refrigerated Drinking Fountain is Damaged And Should Be Replaced	4017	17	Ea.	4
The Rest Room Lavatories Plumbing Fixtures Are Damaged And Should Be Replaced	4021	25	Ea.	4
Room lacks a drinking fountain.	15821	6	Ea.	5
Room lacks private toilets.	15819	6	Ea.	5
The Class Room Lavatories Plumbing Fixtures Are Missing And Should Be Installed	15820	6	Ea.	5
The Rest Room Lavatories Plumbing Fixtures Are Damaged And Should Be Cleaned	4020	3	Ea.	5
Sub Total for System		18		

Fire and Life Safety

Deficiency	ID	Qty	UoM	Priority
Fire Alarm Horn/Strobe Is Missing And Is Needed	3984	10	Ea.	1
Emergency Exit Signage Is Damaged Or Missing And Should Be Replaced	3983	25	Ea.	2
Emergency Lighting System Is Damaged Or Missing And Should Be Replaced	3981	13,720	SF	2

170

Markham Elementary School

2/8/2008 2:23 PM

Fire and Life Safety

Deficiency	ID	Qty	UoM	Priority
PA Speakers are missing or need to be replaced	18860	14	Ea.	2
Building not equipped with Card Key Access Control	18020	1	Ea.	3
Computer room lacks independent AC.	18217	1	Ea.	3
Sub Total for System		6		

Technology

Deficiency	ID	Qty	UoM	Priority
Administrative / Support area lacks data drop(s)	17169	24	Ea.	3
Administrative or support area lacks VOIP phone handset	17363	24	Ea.	3
Building lacks enough wireless data points	17075	7	Ea.	3
Classroom lacks technology upgrade	15826	30	Ea.	3
Classroom lacks VOIP phone handset	18528	31	Ea.	3
Room has insufficient dataports.	15811	168	Ea.	5
Room lacks telephone wiring for VOIP system.	15812	3	Ea.	5
Sub Total for System		7		

Conveyances

Deficiency	ID	Qty	UoM	Priority
Elevation changes prevent access (curbs, stairs, stages, doorway thresholds etc.)	12350	1	Ea.	1
Elevation changes prevent access (curbs, stairs, stages, doorway thresholds etc.)	12351	1	Ea.	1
Sub Total for System		2		

Specialties

Deficiency	ID	Qty	UoM	Priority
The Retractable Bleachers are Damaged and Require Repair	3955	150	Seat	3
The Base Storage Cabinets Require Replacement	3952	300	LF	4
Room has insufficient tackboard area.	15816	31	Ea.	5
Room has insufficient writing area.	15815	50	Ea.	5
Room lacks appropriate amount of teacher storage.	15817	45	Ea.	5
Room lacks the required demonstration table.	15818	1	Ea.	5
Stage lacks necessary equipment.	13936	1	Ea.	5
The Upper Storage Cabinets Require Repainting	3953	100	LF	5
The Wardrobe Storage Cabinets Require Repainting	3954	180	LF	5
Sub Total for System		9		

Other

Deficiency	ID	Qty	UoM	Priority
General hazardous materials deficiency	13685	1	LS	2
Sub Total for System		1		
Sub Total for Building A - Main Building		111		
Total for Campus		125		