

DESIGN AID SHEET FOR SECONDARY SCHOOLS - SHEET #1

School:	<u>SANDS Secondary School</u>	Grades:	<u>8-12</u>	Date:	<u>2017 Oct 16</u>
District:	<u>37 (Delta)</u>	Facility Code:	<u>37038</u>		
Capacity:	• Nominal: <u>725</u>	Total Elective Modules:	<u>13</u>		
	• Operating: <u>725</u>				
Agreed Nominal / Operating Capacity:					
Ministry of Education					Date

PART 1 - ACADEMIC/VOCATIONAL

Space Function	1A - EXISTING			1B - MODULES			1C - NEW CORE			1D - NEW ELECTIVE			
	Description	Area	Mods	Core	Deficit	Surplus	Description	Area	Mods	Description	Area	Mods	
Business Education	Computer Room	63.8	0.53	1.0	-	0.32							
	Computer Room	94.7	0.79										
Fine Arts	Art Room	198.3	1.42	1.0	-	2.33							
	Drama Room	275.7	1.10										
	Music Room	146.2	0.81										
Home Economics	Textiles Room	125.4	1.05	1.0	-	1.10							
	Foods Room	126.6	1.06										
Industrial Education	CAD Drafting	64.9	0.54	1.0	-	2.65							
	Drafting/Electricity	125.2	0.89										
	Metalwork Shop	206.9	1.03										
	Woodwork Shop	324.2	1.18										
Science	Science Room	112.1	0.80	3.0	-	1.53							
	Science Room	111.6	0.80										
	Science Room	111.9	0.80										
	Science Room	112.1	0.80										
	Science Super Lab	186.6	1.33										
* Other													
General Instruction	4 rooms 75-95 m2	322.1	4.00	9.0	-	5.59	Area = modules x 80 m2			Area = modules x 80 m2			
	12 other rooms	847.1	10.59										
Sub-total:		<u>3555.6</u>	<u>29.52</u>			<u>13.52</u>	<u>0.0</u>	<u>0.00</u>		<u>0.0</u>	<u>0.00</u>		
		[Ai]				[Bi]	[Ci]	[Cii]		[Di]	[Dii]		

DESIGN AID SHEET FOR SECONDARY SCHOOLS - SHEET #2

School: SANDS Secondary School

Facility Code: 37038

Date: 2017 Oct 16

PART 2 - SERVICE/ACTIVITY AREAS

Space Function	E - Existing	F - Allowable	G - Deficit	H - New
Administration/Health	295.8	240	-55.8	
Counselling	112.2	70	-42.2	
General Storage	85.1	110	24.9	
Gym Activity	1,065.2	900	-165.2	
Gym Ancillary	308.0	160	-148.0	
Media/Tech Centre	359.9	380	20.1	
Multi-Purpose	319.3	240	-79.3	
Special Education	408.9	240	-168.9	
Mechanical	83.1	185	101.9	
Design Space	2,409.2	1,745	-664.2	
* Other	0.0	0	0.0	
Sub-total:	[Ei] 5,446.9	[Fi] 4,270	[Hi] -1,176.9	0.0

PART 3 - TOTAL AREAS

	N - Existing	P - New
Existing Academic/Vocational [Ai]	3,555.6	
Core A/V Additions [Ci]		0.0
Elective A/V Additions [Di]		0.0
Service/Activity [Ei]	5,446.9	[Hi] 0.0
Sub-total:	9,002.5	0.0
		[Ni] 9,002.5
Total Gross Allowable Area		9,002.5

*** OTHER**

COMMENTS

<i>Estimated Design Space requirements for new construction:</i>			
New Core:	0.0		
New Elective:	0.0		
New Service/Activity:	0.0		
	0.0	x 28.0% =	0.0

ENROLMENT

As of:	
Grade Structure:	8-12
K	
1-7	
8-12	
Type-1	
Type-2	
Portable CR	

SITE AREA

Existing:	n/a
Allowable:	4.00 ha

Function List

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Class	Bld	Room	Coord	Description	Room Area	Mod Area	Links
Business Education							
105040		102		Computer Room	63.77	63.77	
105040		209		Computer Room	89.33	94.73	
105980		209A		Computer Storage	5.40		209
Total Business Education:					158.50		
Fine Arts							
110020		312		Art Room	177.15	198.29	
110035		100		Drama Room	139.19	275.72	
110040		608		Music Room	119.53	146.19	
110820		608B		Music Practice	2.97		608
110820		608C		Music Practice	2.97		608
110820		608D		Music Practice	2.97		608
110980		312A		Art Storage	4.16		312
110980		312B		Art Storage	16.98		312
110980		608A		Music Storage	17.75		608
110980		706		Drama Mezzanine Storage	20.68		100
110980		707		Drama Mezzanine Storage	52.53		100
110980		708		Drama Mezzanine Storage	27.89		100
110980		708A		Drama Mezzanine Storage	26.54		100
110990		100A		Drama Mezzanine Projection Room	8.89		100
Total Fine Arts:					620.20		
Home Economics							
115010		308		Textiles Room	117.40	125.44	
115010		310		Foods Room	126.61	126.61	
115980		308A		Textiles Storage	8.04		308
Total Home Economics:					252.05		
Industrial Education							
120010		402		CAD Drafting Room	64.93	64.93	
120020		400		Drafting & Electricity Room	105.12	125.19	
120040		401		Metalwork Shop	202.67	206.93	
120060		403		Woodwork Shop	272.50	324.22	
120970		400A		Drafting & Electricity Office	6.04		400
120970		404		I.E. Office	9.99		401 403
120980		400B		Drafting & Electricity Storage	14.03		400
120980		406		Woodwork Storage	21.55		403
120990		405		Woodwork Finishing	24.44		403
Total Industrial Education:					721.27		
Science							
125010		201		Science Room	106.24	112.11	
125010		202		Science Room	105.76	111.61	
125010		207		Science Room	106.07	111.93	
125010		208		Science Room	106.23	112.10	
125010		215		Science Super Lab	176.87	186.65	
125950		215A		Science Preparation	27.34		201 202 207 208 215
125950		215B		Science Preparation Storage	5.89		201 202 207 208 215
Total Science:					634.40		
General Instruction							
100300		101		Classroom	70.04	70.04	
100300		103		Classroom	70.04	70.04	
100300		203		Classroom	69.46	69.46	
100300		204		Classroom	71.42	71.42	
100300		205		Classroom	71.42	71.42	
100300		300		Classroom	80.61	80.61	
100300		301		Classroom	70.68	70.68	
100300		302		Classroom	80.61	80.61	
100300		303		Classroom	80.61	80.61	
100300		304		Classroom	80.25	80.25	
100300		307		Classroom	70.68	70.68	
100300		309		Classroom	70.68	70.68	
100300		314		Classroom	70.68	70.68	
100300		315		Classroom	70.68	70.68	

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Class	Bld	Room	Coord	Description	Room Area	Mod Area	Links
100300		316		Classroom	70.68	70.68	
100300		317		Classroom	70.68	70.68	
				General Instruction:	322.08		
				Non-Standard General Instruction:	847.14		
				Total General Instruction:	1,169.22		
				Group 1 Total Area:	3,555.64		
Administration/Health							
200010		501		General Office	92.13		
200020		502		Vice Principals Office	14.04		
200020		503		Principals Office	16.98		
200030		512		Staff Room	91.34		
200050		512A		Teachers Preparation Room	34.78		
200510		513		Medical Room	17.86		
200520		513A		Medical Toilet	3.04		
200980		501A		P.A. Room	3.29		
200980		504		Vault	7.43		
200980		505		Copy Room	14.88		
				Total Administration/Health:	295.77		
Counselling							
205010		510		Counselling Centre	39.72		
205010		511		Counselling Corridor	26.06		
205020		506		Counselling Office	9.57		
205020		507		Counselling Office	9.57		
205020		508		Counselling Office	9.57		
205020		509		Counselling Office	10.41		
205020		510A		Counselling Office	7.32		
				Total Counselling:	112.22		
General Storage							
210980		209B		General Storage	9.44		
210980		210		Custodian	30.88		
210980		311		Custodian	7.47		
210980		319		Custodian	15.45		
210980		320		General Storage	15.26		
210980		602		General Storage	3.09		
210980		615B		Custodian	3.53		
				Total General Storage:	85.12		
Gym Activity							
215010		612		Gymnasium	749.23		
215020		001		Weight Room (Basement)	121.68		
215020		703		Activity Room	194.31		
				Total Gym Activity:	1,065.22		
Gym Ancillary							
225010		614		Girls Change Room	76.14		
225010		615		Boys Change Room	75.93		
225970		614A		Girls Instructors Change Room	11.96		
225970		615A		Boys Instructors Change Room	12.35		
220980		607		Gym Storage	35.39		
220980		610		Gym Storage	47.48		
220980		611		Gym Storage	7.43		
220980		702		Gym Storage	20.68		
220980		705		Gym Storage	20.68		
				Total Gym Ancillary:	308.04		
Media/Tech Centre							
240010		104		Library	308.59		
240960		104A		Library Workroom	16.98		
240960		104B		Library Reading Room	34.33		
				Total Media/Tech Centre:	359.90		

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Class	Bld	Room	Coord	Description	Room Area	Mod Area	Links
Multi-Purpose							
245010		605		Cafeteria/Activity Room	287.41		
245800		606		Cafeteria Kitchen	25.60		
245980		606A		Cafeteria Kitchen Storage	6.32		
Total Multi-Purpose:					319.33		
Core Special Education							
250010		200		Life Skills	105.59		
250010		206		Learning Assistance	69.46		
250010		305		Special Education	94.37		
250010		306		Learning Assistance	126.16		
250990		200A		Life Skills Washroom	13.31		
Total Core Special Education:					408.89		
Mechanical Rooms							
258010		105		Water Entry Room	8.99		
258010		210C		Mechanical Room	16.52		
258020		210A		Electrical Room	26.42		
258020		210B		Electrical Vault	26.49		
258020		311A		Hub Room	4.72		
Total Mechanical Rooms:					83.14		
Design Space							
260010		500		Corridor	1,488.64		
260010		601		Corridor	20.44		
260010		609		Gym Vestibule	11.97		
260010		609A		Stair (to Basement Weight Room)	10.20		
260010		613		Gym Vestibule	31.00		
260010		616		Gym Vestibule	31.00		
260010		617		Corridor	34.01		
260010		701		Stair	11.71		
260010		704		Stair	11.71		
260020		0STR		Structure (133.74m2)	12.06		
260020		1STR		Structure (8416.64 m2)	474.21		
260020		2STR		Structure (452.12 m2)	65.39		
260030		213		Boys Washroom	31.32		
260030		214		Girls Washroom	15.27		
260040		216		Handicapped Washroom	6.77		
260030		217		Boys Washroom	23.35		
260030		218		Girls Washroom	29.62		
260030		603		Girls Washroom	9.91		
260030		604		Boys Washroom	9.91		
260040		211		Mens Washroom	14.86		
260040		212		Womens Washroom	14.86		
260990		318		Social Space	33.60		
260990		407		Social Space	17.42		
Total Design Space:					2,409.23		
Group 2 Total Area:					5,446.86		
Facility Gross Area:					9,002.50		

Class	Bld	Room	Coord	Description	Room Area	Links
110035		100		Drama Room	139.19	
110990		100A		Drama Mezzanine Projection Room	8.89	100
100300		101		Classroom	70.04	
105040		102		Computer Room	63.77	
100300		103		Classroom	70.04	
240010		104		Library	308.59	
240960		104A		Library Workroom	16.98	
240960		104B		Library Reading Room	34.33	
258010		105		Water Entry Room	8.99	
250010		200		Life Skills	105.59	
250990		200A		Life Skills Washroom	13.31	
125010		201		Science Room	106.24	
125010		202		Science Room	105.76	
100300		203		Classroom	69.46	
100300		204		Classroom	71.42	
100300		205		Classroom	71.42	
250010		206		Learning Assistance	69.46	
125010		207		Science Room	106.07	
125010		208		Science Room	106.23	
105040		209		Computer Room	89.33	
105980		209A		Computer Storage	5.40	209
210980		209B		General Storage	9.44	
210980		210		Custodian	30.88	
258020		210A		Electrical Room	26.42	
258020		210B		Electrical Vault	26.49	
258010		210C		Mechanical Room	16.52	
260040		211		Mens Washroom	14.86	
260040		212		Womens Washroom	14.86	
260030		213		Boys Washroom	31.32	
260030		214		Girls Washroom	15.27	
125010		215		Science Super Lab	176.87	
125950		215A		Science Preparation	27.34	201 202 207 208 215
125950		215B		Science Preparation Storage	5.89	201 202 207 208 215
260040		216		Handicapped Washoom	6.77	
260030		217		Boys Washroom	23.35	
260030		218		Girls Washroom	29.62	
100300		300		Classroom	80.61	
100300		301		Classroom	70.68	
100300		302		Classroom	80.61	
100300		303		Classroom	80.61	
100300		304		Classroom	80.25	
250010		305		Special Education	94.37	
250010		306		Learning Assistance	126.16	
100300		307		Classroom	70.68	
115010		308		Textiles Room	117.40	
115980		308A		Textiles Storage	8.04	308
100300		309		Classroom	70.68	
115010		310		Foods Room	126.61	
210980		311		Custodian	7.47	
258020		311A		Hub Room	4.72	
110020		312		Art Room	177.15	
110980		312A		Art Storage	4.16	312
110980		312B		Art Storage	16.98	312
100300		314		Classroom	70.68	
100300		315		Classroom	70.68	
100300		316		Classroom	70.68	
100300		317		Classroom	70.68	
260990		318		Social Space	33.60	
210980		319		Custodian	15.45	
210980		320		General Storage	15.26	
120020		400		Drafting & Electricity Room	105.12	
120970		400A		Drafting & Electricity Office	6.04	400
120980		400B		Drafting & Electricity Storage	14.03	400

Class	Bld	Room	Coord	Description	Room Area	Links
120040		401		Metalwork Shop	202.67	
120010		402		CAD Drafting Room	64.93	
120060		403		Woodwork Shop	272.50	
120970		404		I.E. Office	9.99	401 403
120990		405		Woodwork Finishing	24.44	403
120980		406		Woodwork Storage	21.55	403
260990		407		Social Space	17.42	
260010		500		Corridor	1,488.64	
200010		501		General Office	92.13	
200980		501A		P.A. Room	3.29	
200020		502		Vice Principals Office	14.04	
200020		503		Principals Office	16.98	
200980		504		Vault	7.43	
200980		505		Copy Room	14.88	
205020		506		Counselling Office	9.57	
205020		507		Counselling Office	9.57	
205020		508		Counselling Office	9.57	
205020		509		Counselling Office	10.41	
205010		510		Counselling Centre	39.72	
205020		510A		Counselling Office	7.32	
205010		511		Counselling Corridor	26.06	
200030		512		Staff Room	91.34	
200050		512A		Teachers Preparation Room	34.78	
200510		513		Medical Room	17.86	
200520		513A		Medical Toilet	3.04	
260010		601		Corridor	20.44	
210980		602		General Storage	3.09	
260030		603		Girls Washroom	9.91	
260030		604		Boys Washroom	9.91	
245010		605		Cafeteria/Activity Room	287.41	
245800		606		Cafeteria Kitchen	25.60	
245980		606A		Cafeteria Kitchen Storage	6.32	
220980		607		Gym Storage	35.39	
110040		608		Music Room	119.53	
110980		608A		Music Storage	17.75	608
110820		608B		Music Practice	2.97	608
110820		608C		Music Practice	2.97	608
110820		608D		Music Practice	2.97	608
260010		609		Gym Vestibule	11.97	
260010		609A		Stair (to Basement Weight Room)	10.20	
220980		610		Gym Storage	47.48	
220980		611		Gym Storage	7.43	
215010		612		Gymnasium	749.23	
260010		613		Gym Vestibule	31.00	
225010		614		Girls Change Room	76.14	
225970		614A		Girls Instructors Change Room	11.96	
225010		615		Boys Change Room	75.93	
225970		615A		Boys Instructors Change Room	12.35	
210980		615B		Custodian	3.53	
260010		616		Gym Vestibule	31.00	
260010		617		Corridor	34.01	
260020		1STR		Structure (8416.64 m2)	474.21	
				Building ' ' Floor 1 Area:	8,416.64	
215020		001		Weight Room (Basement)	121.68	
260020		0STR		Structure (133.74m2)	12.06	
				Building ' ' Floor 0 Area:	133.74	
260010		701		Stair	11.71	
220980		702		Gym Storage	20.68	
215020		703		Activity Room	194.31	
260010		704		Stair	11.71	
220980		705		Gym Storage	20.68	
110980		706		Drama Mezzanine Storage	20.68	100

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Class	Bld	Room	Coord	Description	Room Area	Links
110980		707		Drama Mezzanine Storage	52.53	100
110980		708		Drama Mezzanine Storage	27.89	100
110980		708A		Drama Mezzanine Storage	26.54	100
260020		2STR		Structure (452.12 m2)	65.39	
				Building ' ' Floor 2 Area:	452.12	
				Building ' ' Total Area:	9,002.50	
				Facility Gross Area:	9,002.50	