5.1 Finishes

5.1.1 Typical Room Finishes

Description/Design Approach:

A. The following finishes are typically for new construction. New interior finishes adjacent to or surrounded by existing construction shall match existing. In the tables, Layout Number and Layout Name reference the SCA's ROOM PLANNING STANDARDS.

B. General Notes:

1. Except for Kitchen Spaces, Refuse and Recycling Storage and other wet areas with multiple floor drains, ceramic tile floors, when required, shall be thinset. At thinset areas with drains, drain(s) shall be set 1/4" below finish floor with a two feet swale in concrete surrounding the drain. Slab must not drain away from drain. At thick set areas (wet areas with multiple floor drains, kitchen and refuse and recycling storage), structural slab shall be depressed and the floor pitched with concrete fill or structural repair concrete to provide pitch to the drains and facilitate installation of tile with a uniform setting bed depth. Coordinate with structural for slab depression. For shower areas and refuse and recycling room, slab shall slope 1/4" per foot. Servery area shall be level with drains placed under equipment areas (not in walking paths) but shall not back pitch away from drain. In kitchens, floors shall be provided with a minimal pitch to drain since some items are on rollers.

2. Gypsum board ceilings, soffits and fascias shall be painted, and the gypsum board shall be mold & moisture resistant type.

3. Coordinate location of all wall-mounted devices.

4. All surfaces to receive painted finishes shall be painted with semi-gloss paint. Block filler shall be used on all concrete block prior to painting

5. Avoid use of white or light color VCT, which causes maintenance problems. See Specifications for maximum light reflectivity values.

6. Except for Administrative spaces, all spaces that have Acoustical Tile Ceilings shall have "hold-down clips". Hold-down clips for wood fiber composition panels (Tectum) shall be impact type.

7. Metal Panel ceilings shall be non-perforated.

8. Terrazzo Tile flooring and base shall be precast cementitious type.

9. Wainscot finish material shall be applied to partitions, extending from base to height indicated herein or shown on Drawings.

10. Stainless steel corner guards 5' high shall be provided at all external partition corners in the kitchen and shall be used for tiled freestanding columns within the cafeteria.

C. The following Legend identifies typical room finishes and is used throughout the "Table of Typical Spaces and Finishes".

Legend of Finishes and Finished Materials		
Floor		
Cpt - Carpet	**PT -** Porcelain Tile	**CT** - Ceramic Tile
SC - Sealed Concrete	**RW -** Resilient Wood	**TT** - Terrazzo Tile
PC - Painted Concrete	**QT -** Quarry Tile	**VCT** - Vinyl Composition Tile
PE - Poured Epoxy	**SV -** Sheet Vinyl	**SRVT** - Slip-retardant Vinyl Tile
FAF - Fluid-Applied Eqpt. Rm. Flooring	**IRF -** Interlocking Rubber flooring	**RAF** - Resilient Athletic flooring
GPWF - GreenPlay Wood Floor	**PEF -** Point Elastic Synthetic floor	**IPF** - Interlocking Polymer Flooring
AWF - Anchored Wood Floor	**AEF -** Area Elastic Synthetic Floor	**IDF** - Interlocking Dance Floor
NAWF - Non-anchored Wood Floor	**IRF -** Interlocking Rubber flooring	**VSAF** - Vinyl Sheet Athletic Flooring
SRSV - Slip Resistant Sheet Vinyl	**MPT - Mosaic Porcelain Tile**	
Base		
IE - Integral Epoxy	**VRB - Vented Resilient Base (Vinyl or Rubber)**	**RB** – Resilient Base (Vinyl or Rubber)
Wall		
GCT - Glazed Ceramic Tile Glazed Ceramic Tile	**SG-P** - Semi-Gloss Paint	
Ceiling		
AcT - Acoustical Tile	**Gyp Bd -** Gypsum Board	**MP** - Metal Pan**el Tile**
TcT - Tectum (Wood Fiber Composition Panel)	**MFT –** Mineral Fiber Tile	
Miscellaneous		
IP - Intumescent Paint		
NA - Not applicable		

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
Group 1	**Instruction**						
1-10	Typical Pre-Kindergarten	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
1-11	Typical Kindergarten	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet rooms shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
1-12	Classroom, Grades 1-2 w/ Toilet	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet rooms shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
1-13	Learning Classroom, Grades 1-2 w/Toilet	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet rooms shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
1-14	Typical Classroom, Grade 3	VCT	RB	SG-P	---	AcT	
1-15	Typical Classrooms, Grades 4-5	VCT	RB	SG-P	---	AcT	
1-16	Typical Classrooms, Grades 6-8	VCT	RB	SG-P	---	AcT	
1-17	Typ. Classroom Grades 6-8 Alt 1	VCT	RB	SG-P	---	AcT	
1-18	Typical Kindergarten Alt 1	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet rooms shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
1-19	Typ. Classroom Grades 6-8 Alt 2	VCT	RB	SG-P	---	AcT	
1-20	Typical Classroom Grades 9-12	VCT	RB	SG-P	---	AcT	
1-22	Classroom w/ Operable Wall	VCT	RB	SG-P	---	AcT	
1-23	Small Group Instruction Room	VCT	RB	SG-P	---	AcT	
1-25	Typical Classroom Grades 1-2	VCT	RB	SG-P	---	AcT	
NA	Speech classroom and Health Exam	VCT	RB	SG-P	---	AcT	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
NA	Flexible Classroom Complex	VCT	RB	SG-P	---	AcT	
NA	Double Classroom	VCT	RB	SG-P	---	AcT	
	Special Instruction						
1-30	Special Education Classroom	VCT	RB	SG-P	---	AcT	
1-31	Reading Resource Room	VCT	RB	SG-P	---	AcT	
1-32	Speech Resource Room	VCT	RB	SG-P	---	AcT	
1-33	Special Ed. L.D. Resource Room	VCT	RB	SG-P	---	AcT	
1-34	Resource Room with Operable Wall	VCT	RB	SG-P	---	AcT	
NA	Word Processing Lab	VCT	RB	SG-P	---	AcT	
1-40	Speech Workshop w/ Operable Wall	VCT	RB	SG-P	----	AcT	
1-41	Reading Resource Room	VCT	RB	SG-P	----	AcT	
1-42	Special Ed. Resource Room	VCT	RB	SG-P	----	AcT	
Group 2	**Specialized Instruction**						
	Art						
2-10	Art Classroom	VCT	RB	SG-P	---	AcT	
2-11	Art Storeroom	VCT	RB	SG-P	---	AcT	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
2-20	Art Classroom w/ Storage	VCT	RB	SG-P	---	AcT	
2-21	Art Studio w/ Storage	SC	RB	SG-P	---	AcT	
2-23	Project Room	VCT	RB	SG-P	---	AcT	
2-24	Project Room	VCT	RB	SG-P	---	AcT	
2-25	Art Classroom with Storage	VCT	RB	SG-P	---	AcT	
	Music						
2-30	Music Suite	VCT	RB	SG-P	---	AcT	• Additional acoustical consideration - Floating conc. slab • Acoustic doors with seals
2-30.1	Music Classroom	VCT	RB	SG-P	---	AcT	• Additional acoustical consideration - Floating conc. slab • Acoustic doors with seals
2-30.2	Small Practice Cubicle	VCT	RB	SG-P	---	AcT	• Additional acoustical consideration - Floating conc. slab • Acoustic doors with seals
2-30.3	Large Practice Cubicle	VCT	RB	SG-P	---	AcT	• Additional acoustical consideration - Floating conc. slab • Acoustic doors with seals
2-30.4	Instrument Storeroom	VCT	RB	SG-P	---	AcT	
2-31	Music Classroom w/ Storeroom	VCT	RB	SG-P	---	AcT	• Additional acoustical consideration - Floating conc. slab • Acoustic doors with seals
2-32	Choral Music Classroom	VCT	RB	SG-P	---	AcT	• Additional acoustical consideration - Floating conc. slab • Acoustic doors with seals
2-40	Instrument Practice Room	VCT	RB	SG-P	---	AcT	• Additional acoustical consideration - Floating conc. slab • Acoustic doors with seals
2-42	Orchestral Room w/ Local Sound System	VCT	RB	SG-P	---	AcT	• Additional acoustical consideration - Floating conc. slab • Acoustic doors with seals
2-43	Choral Room w/ Music Storage & Local Sound System	VCT	RB	SG-P	---	AcT	• Additional acoustical consideration - Floating conc. slab • Acoustic doors with seals

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
2-44	Music Instrument Storage	VCT	RB	SG-P	---	AcT	
	Technology						
2-50	Wireless Language Lab	VCT	RB	SG-P	---	AcT	
2-51	Materials Processing Lab and Storeroom	VCT	RB	SG-P	---	AcT	
2-52	Electronics Lab	VCT	RB	SG-P	---	AcT	
2-53	Culinary Arts Classroom	VCT	RB	SG-P	---	AcT	
2-54	Culinary Arts Storeroom	VCT	RB	SG-P	---	AcT	
NA	Wireless Language Lab	VCT	RB	SG-P	---	AcT	
NA	Special Ed Computer lab	VCT	RB	SG-P	---	AcT	
NA	Computer Classroom	VCT	RB	SG-P	---	AcT	
2-60	Programmed instruction/ Language Lab	VCT	RB	SG-P	---	AcT	
NA	Perimeter Computer Classroom	VCT	RB	SG-P	---	AcT	
NA	Cluster Computer Classroom	VCT	RB	SG-P	---	AcT	
2-61	Distance Learning Classroom	VCT	RB	SG-P	---	AcT	
NA	Adjoining Technology Lecture Room	VCT	RB	SG-P	---	AcT	
2-62	Transportation Lab	SC	RB	SG-P		AcT	
2-63	Communication Technology Lab	VCT	RB	SG-P	---	AcT	

Requirement Applies to: ✔ **New Construction** ✔ **Major Modernizations** ✔ **Capital Improvement Projects**

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
2-64	Material Processing Lab	VCT	RB	SG-P	---	AcT	
2-65	Electronics Lab	VCT	RB	SG-P	---	AcT	
2-66	CADD/Drafting Lab	VCT	RB	SG-P	---	AcT	
2-67	CADD/Hand Drafting Lab	VCT	RB	SG-P	---	AcT	
2-68	Mechanical Drafting Lab	VCT	RB	SG-P	---	AcT	
2-69	Virtual Enterprise Lab	VCT	RB	SG-P	---	AcT	
2-80	Stagecraft Lab	VCT	RB	SG-P	---	AcT	
2-81	Culinary Arts Lab	QT	QT	GCT	Full height	AcT	Wall tile shall extend a minimum of 4-inches above ceiling
2-82	Photography Lab	VCT	RB	SG-P	---	AcT	
2-83	Technology Store Room	VCT	RB	SG-P	---	AcT	
Group 3	**Science**						
3-10	Science Resource Room	VCT	RB	SG-P	---	AcT	
3-11	Science Resource Prep Room and Storage	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-12	Science Resource Room with Storage	VCT	RB	SG-P	---	AcT	
3-13	Science Resource Room – Option 1	VCT	RB	SG-P	---	AcT	
3-14	Science Laboratory/Demo	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
3-15	Science Project Prep Room	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
NA	Standard Perimeter Laboratory	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
NA	Standard Perimeter Laboratory – Biology	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-20	Standard Trifacial Laboratory	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-21	Standard Trifacial Laboratory Biology	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-22	Biology Project Preparation Room	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-23	Chemistry/Physics Project Prep Room	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions. Soap stone floor, wainscot and shelving in acid storage room
NA	Combined Science Project Preparation	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions. Soap stone floor, wainscot and shelving in acid storage room
3-24	Science Demonstration Room	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-25	Science Lecture Room	VCT	RB	SG-P	---	AcT	
3-26	Science Lecture Room	VCT	RB	SG-P	---	AcT	
NA	Science Perimeter Lab. Demonstration	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-27	Trifacial Lab Demonstration	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-28	Standard Physics Laboratory	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-29	Standard Chemistry Laboratory	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-40	Double Quad Laboratory	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
3-41	Plant Room	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions
3-42	Science Prep Room	QT (or) PE	QT (or) IE	SG-P	---	AcT	Poured epoxy preferred for new buildings/additions. Soap stone floor, wainscot and shelving in acid storage room
NA	Science Storage	QT (or) PE	QT (or) IE	SG-P	---	AcT	
Group 4	**Physical Education**						
4-10	Gymnasium (Small)	AW Refer to DR 5.3.1, See notes	VRB or RB	SG-P, See Notes	Removable Protective Padding	See Notes	• Acoustic CMU to be used above height of wall padding. • No suspended ceiling required. Designer's option to use Tectum ceiling. • If fireproofing of steel is required, sprayed fireproofing shall not be left exposed to view. If steel is exposed and painted, and a fire rating is required, intumescent fireproofing shall be used. • Exposed ductwork shall be round and painted. • Ceramic tile at DF alcove
4-11	Auxiliary Gym and Storeroom	AW Refer to DR 5.3.1, See Notes	VRB or RB see Notes	SG-P	---	AcT	Storeroom shall have VCT floor and Resilient base
4-12	Gymnasium	AW Refer to DR 5.3.1, See notes	VRB or RB	SG-P	Removable Protective Padding	See Notes	• Acoustic CMU to be used above height of wall padding. • No suspended ceiling required. Designer's option to use Tectum ceiling • If fireproofing of steel is required, sprayed fireproofing shall not be left exposed to view. If steel is exposed and painted, and a fire rating is required, intumescent fireproofing shall be used • Exposed ductwork shall be round and painted. • Ceramic tile at DF alcove

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
4-20	Competition Gymnasium	AW Refer to DR 5.3.1, See notes	VRB or RB	SG-P, See Notes	Removable Protective Padding	See Notes	• Acoustic CMU to be used above height of wall padding. • No suspended ceiling required. Designer's option to use Tectum (Tct) ceiling • If fireproofing of steel is required, sprayed fireproofing shall not be left exposed to view. If steel is exposed and painted, and a fire rating is required, intumescent fireproofing shall be used • Exposed ductwork shall be round and painted • Ceramic tile at DF alcove
4-21	Practice Gymnasium	AW Refer to DR 5.3.1, See Notes	VRB or RB	SG-P, See Notes	Removable Protective Padding	See Notes	See Notes for Competition Gym
4-22	Auxiliary Gymnasium	AW Refer to DR 5.3.1	VRB or RB	SG-P, See Notes	Removable Protective Padding	See Notes	See Notes for Competition Gym
4-23	Dance Studio	AW Refer to DR 5.3.1	VRB or RB	SG-P	---	Tct	
4-24	Weight Training	IRF	RB	SG-P	---	Tct	
4-25	Wrestling Gymnasium	AW Refer to DR 5.3.1	VRB or RB	SG-P	Removable Protective Padding	Tct	
4-26	Gymnastics Gymnasium	AW Refer to DR 5.3.1	VRB or RB	SG-P, See Notes	Removable Protective Padding	See Notes	See Notes for Competition Gym
4-27	Competition Pool	CT	GCT	GCT	---	---	
4-30	Locker Room	VCT	RB	SG-P	---	SG-P	• Ceiling material shall be mold & moisture resistant gypsum board

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
4-31	Student Locker Room – M/F w/ Toilets	MPT/VCT	GCT	SG-P/ GCT	GCT	SG-P	• Ceiling material shall be mold & moisture resistant gypsum board • VCT floor and GCT wainscot (align with top of doorframe) in locker area • CT floor and full height GCT in toilet area
4-40	Student Locker Room w/ Shower, Toilets – M/F	MPT	GCT	GCT	--	SG-P	• Ceiling material shall be mold & moisture resistant gypsum board
4-41	Locker Room w/ Showers – Visiting Team	MPT	GCT	SG-P, See Notes	GCT	SG-P	• Ceiling material shall be mold & moisture resistant gypsum board • GCT wainscot to align with top of doorframe in locker area • Full height GCT in shower and toilet area
4-42	Pool Locker Rooms	MPT	GCT	SG-P	--	SG-P	• Ceiling material shall be mold & moisture resistant gypsum board
4-43	Shower Room	MPT	GCT	SG-P	--	SG-P	• Ceiling material shall be mold & moisture resistant gypsum board
4-50	Health Instructor's Office (Small)	VCT/MPT, See Notes	RB/GCT, See Notes	SG-P	GCT, See Notes	AcT	• Ceiling material shall be mold & moisture resistant gypsum board in toilet/shower area • Toilet and shower area shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
4-51	Health Instructor's Office w/ Storage	VCT/MPT, See Notes	RB/GCT, See Notes	SG-P	GCT, See Notes	AcT	• Ceiling material shall be mold & moisture resistant gypsum board in toilet/shower area • Toilet and shower area shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
4-52	Health Instructor's Office	VCT/MPT, See Notes	RB/GCT, See Notes	SG-P	GCT, See Notes	AcT	• Ceiling material shall be mold & moisture resistant gypsum board in toilet/shower area • Toilet and shower area shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
4-53	Gym Storeroom (Small)	VCT	RB	SG-P	---	AcT	
4-54	Gym Storeroom	VCT	RB	SG-P	-----	AcT	
4-55	Health Instructor's Office w/o Shower	VCT	RB	SG-P	---	AcT	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
4-60	Competition Gymatorium w/ Telescoping Seating	RW Refer to DR 5.3.1	RB	SG-P	Removable Protective Padding	See Notes	• Acoustic CMU to be used above height of wall padding. • Tectum ceiling is preferred for auditorium function w/ platform. • If fireproofing of steel is required, sprayed fireproofing shall not be left exposed to view. (If steel is exposed and painted, and a fire rating is required, intumescent fireproofing shall be used.) • Exposed ductwork shall be round and painted. • No ceiling required at platform/performance area. All elements shall be painted "Black" except as follow; (For any exposed duct with insulation on platform shall not be painted black unless recommended by manufacturer. Black liners to be provided if available.) • Ceramic wall tile at DF alcove. • Full height CMU block behind telescoping seating
4-70	Gymatorium	**A**W Refer to DR 5.3.1	RB	SG-P	Removable Protective Padding	See Notes	See notes for layout 4-60
4-71	Gymatorium	RW Refer to DR 5.3.1	RB	SG-P	Removable Protective Padding	See Notes	See notes for layout 4-60
4-80	Gymatorium (Small) with Telescoping Seating	RW Refer to DR 5.3.1	RB	SG-P	Removable Protective Padding	See Notes	See notes for layout 4-**6**0
4-84	Gymatorium (Large) with Telescoping Seating	RW Refer to DR 5.3.1	RB	SG-P	Removable Protective Padding	See Notes	See notes for layout 4-**6**0
4-90	Gymatorium	RW Refer to DR 5.3.1	RB	SG-P	Removable Protective Padding	See Notes	See notes for layout 4-**6**0

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
Group 5	**Assembly areas**						
5-10	Assembly Area Design Concept - Stage/Platform	NWF, VCT, See Notes	RB	SG-P	---	See Notes	• No ceiling required. All elements shall be painted "Black" except as follow; Any exposed duct with fire wraps on platform/stage shall not be painted black. Provide fire wrap with "black" liner. • Refer to DR 5.3.1. for wood floor system. Non-anchored wood floor (NWF) for new buildings/additions. If existing stage/platform is resilient floor, replace with VCT to avoid elevation changes due to the thickness of the wood floor system.
5-11	Assembly Area Design Concept	See Notes	RB	SG-P	---	See Notes	• Architectural Treatment for Acoustics. Materials subject to approval by SCA. • Seating area shall be painted concrete (PC). • Areas outside the seating areas shall be Sheet Vinyl (SV) or vinyl composition tile (VCT). Slip retardant sheet vinyl (SRSV) or slip retardant vinyl tile (SRVT) required on sloping floors. However, tile is generally preferred due to relative ease of replacement.
5-12	Dressing Room	VCT, See Notes	RB, See Notes	SG-P	GCT, See Notes	AcT	• Ceiling material shall be mold & moisture resistant gypsum board in toilets • Toilet rooms shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
5-13	Assembly Storeroom	VCT	RB	SG-P	---	AcT	
5-20	Assembly Area 300 Seats	PC, VCT, SRVT, See Notes	RB	SG-P, See Notes	---	See Notes	• VCT floor in storage, projection and utility rooms • AcT ceiling in storage, projection and utility rooms • Acoustical wall panels on seating area. • Refer to DR 5.3.1. for Auditorium floor system.
5-30	Assembly Area 300 Seats	PC, VCT, SRVT, See Notes	RB	SG-P, See Notes	---	See Notes	• VCT floor in storage, projection and utility rooms • AcT ceiling in storage, projection and utility rooms • Acoustical wall panels on seating area. • Refer to DR 5.3.1. for Auditorium floor system.

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
5-40	Assembly Area 300 seats (w/ Student Dressing Rooms)	PC, VCT, SRVT, See Notes	RB, See Notes	SG-P, See Notes	See Notes	See Notes	• Toilet rooms shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base • VCT floor in storage, projection and utility rooms • AcT ceiling in toilets, storage, projection and coat rooms • Acoustical wall panels on seating area. • Refer to DR 5.3.1. for Auditorium floor system.
5-50	Auditorium 550 Seats	PC, VCT, SRVT, See Notes	RB, See Notes	SG-P, See Notes	---	See Notes	• Toilet rooms shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base • VCT floor in storage, projection and utility rooms • AcT ceiling in, storage, projection and utility rooms • Acoustical wall panels on seating area. • Refer to DR 5.3.1. for Auditorium floor system.
5-60	Assembly Area 550 Seats-Stadium Layout	PC, VCT, SRVT, See Notes	RB, See Notes	SG-P, See Notes	See Notes	See Notes	• Toilet rooms shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base • VCT floor in storage, projection and utility rooms • AcT ceiling in toilets, storage, projection and coat rooms • Acoustical wall panels on seating area. • Refer to DR 5.3.1. for Auditorium floor system.
Group 6	**Libraries**						
6-10	Early Childhood Library	VCT	RB	SG-P	---	AcT	
6-13	Library (PS)	VCT	RB	SG-P	---	AcT	
6-14	Library (PS) All tables/Chair Seating	VCT	RB	SG-P	---	AcT	
6-15	Library- PS, PS/IS	VCT	RB	SG-P	---	AcT	
6-16	Library (For PS, PS/IS, IS, IS/HS, HS)	VCT	RB	SG-P	---	AcT	
6-17	Library Large PS PS/IS	VCT	RB	SG-P	---	AcT	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
6-18	Library **(For** IS, IS/HS**)**	VCT	RB	SG-P	---	AcT	
6-20	Library/Media Center	VCT	RB	SG-P	---	AcT	
6-21	Library/Media Center & AV Storage	VCT	RB	SG-P	---	AcT	
Group 7	**Circulation**						
7-10	Lobby Design Criteria	TT, QT, PT	TT, QT, PT, GCT	SG-P	GCT	AcT, Gyp Bd	Top of wall tile wainscot shall align with top of doorframes or 4-inches above ceiling
NA	Entry Corridors, Exit Passageways	TT, QT, PT	TT, QT, PT, GCT	SG-P	GCT	AcT,	• These are finishes at high traffic areas and exits • Top of wall tile wainscot shall align with top of doorframes or 4-inches above ceiling
NA	Vestibules	TT, QT, PT	TT, QT, PT, GCT	SG-P	GCT	SG-P	• Ceiling material shall be mold & moisture resistant gypsum board with SG-P paint • Top of wall tile wainscot shall align with top of doorframes or 4-inches above ceiling
NA	Stairs	See Notes	---	SG-P	---	---	Refer to DR 1.3.4.4.
7-20	Play Yard Entrance/Exit	TT, QT, PT	TT, QT, PT, GCT	SG-P	GCT	AcT, Tct, Gyp Bd	Top of wall tile wainscot shall align with top of doorframes or 4-inches above ceiling
7-21	Lobby w/ Cycle Parking & Security Station	TT, QT, PT	TT, QT, PT, GCT	SG-P	GCT	AcT, Tct, Gyp Bd	Top of wall tile wainscot shall align with top of doorframes or 4-inches above ceiling
NA	Lobby Security Room	TT, QT, PT	TT, QT, PT, GCT	SG-P	GCT	Tct	
NA	Corridor- Primary School	VCT	GCT	SG-P	GCT	AcT	Top of wall tile wainscot shall align with top of doorframes or 4-inches above ceiling
7-40	Typical Corridor w/ Lockers (For IS, IS/HS, HS)	VCT	GCT	SG-P	GCT	Tct	• Top of wall tile wainscot shall align with top of doorframes or 4-inches above ceiling • No wainscot required behind lockers

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
Group 8	**Pupil Personnel Services**						
8-10	Guidance Suite - Small	---	---	---	---	---	
8-10.1	Guidance Offices	VCT	RB	SG-P	---	AcT	
8-10.2	Guidance Conference Room	VCT	RB	SG-P	---	AcT	
8-10.3	Guidance Storeroom	VCT	RB	SG-P	---	AcT	
8-10.4	Guidance Waiting Room	VCT	RB	SG-P	---	AcT	
8-11	Guidance Suite - Medium	---	---	---	---	---	
8-11.1	Guidance Offices	VCT	RB	SG-P	---	AcT	
8-11.2	Guidance Conference Room	VCT	RB	SG-P	---	AcT	
8-11.3	Guidance Closet	VCT	RB	SG-P	---	AcT	
8-11.4	Guidance Waiting Room	VCT	RB	SG-P	---	AcT	
8-12	Guidance Suite - Large	---	---	---	---	---	
8-12.1	Guidance Offices	VCT	RB	SG-P	---	AcT	
8-12.2	Guidance Conference Room	VCT	RB	SG-P	---	AcT	
8-12.3	Guidance Storeroom	VCT	RB	SG-P	---	AcT	
8-12.4	Guidance Waiting Room	VCT	RB	SG-P	---	AcT	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
8-13	Guidance Office	VCT	RB	SG-P	---	AcT	
8-20	Guidance House	VCT	RB	SG-P	---	AcT	
8-21	Guidance Suite	VCT	RB	SG-P	---	AcT	
8-22	College & Vocational Guidance Office	VCT	RB	SG-P	---	AcT	
8-30	School Base Support Team Suite-Small	---	---	---	---	---	
8-30.1	School Base Support Team Office	VCT	RB	SG-P	---	AcT	
8-30.2	School Base Support Team Conference Room	VCT	RB	SG-P	---	AcT	
8-30.3	School Base Support Team Waiting Room	VCT	RB	SG-P	---	AcT	
8-31	School Base Support Team Suite w/o Storage	---	---	---	---	---	
8-31.1	School Base Support Team Office	VCT	RB	SG-P	---	AcT	
8-31.2	School Base Support Team Conference Room	VCT	RB	SG-P	---	AcT	
8-31.3	School Base Support Team Waiting Room	VCT	RB	SG-P	---	AcT	
8-32	School Base Support Team Suite with Storage	---	---	---	---	---	
8-32.1	School Base Support Team Office	VCT	RB	SG-P	---	AcT	
8-32.2	School Base Support Team Conference Room	VCT	RB	SG-P	---	AcT	
8-32.3	School Base Support Team Storeroom	VCT	RB	SG-P	---	AcT	
8-32.4	School Base Support Team Waiting Room	VCT	RB	SG-P	---	AcT	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
8-40	School Based Support Team Suite (Medium)	VCT	RB	SG-P	---	AcT	
8-41	School Based Support Team Suite (Large)	VCT	RB	SG-P	---	AcT	
8-42	LYFE Center Suite	VCT	RB	SG-P	---	AcT	
8-43	Government & Club House	VCT	RB	SG-P	---	AcT	
NA	Publications Office	VCT	RB	SG-P	---	AcT	
8-44	Records Room	VCT	RB	SG-P	---	AcT	
8-45	Student Store	VCT	RB	SG-P	---	AcT	
8-46	Student Services Suite	VCT	RB	SG-P	---	AcT	
8-47	Lateness and Attendance Office	VCT	RB	SG-P	---	AcT	
8-48	Assistant Principal's Guidance Office	VCT	RB	SG-P	---	AcT	
8-49	A.P. Guidance Secretary	VCT	RB	SG-P	---	AcT	
08-50	Medical Suite - Small	**VCT, See Notes**	**RB, See Notes**	SG-P	**See Notes**	**AcT**	**Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base**
08-51	Medical Suite	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	• Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
8-61	School Based Health Clinic	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	• Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
Group 9	**Storage**						
NA	Multipurpose Storeroom	VCT	RB	SG-P	---	---	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
9-10	Book Storeroom (Small)	VCT	RB	SG-P	---	---	
9-11	Book Storeroom (Large)	VCT	RB	SG-P	---	---	
9-12	Large Book Storeroom	VCT	RB	SG-P	---	---	
9-13	Small Book Storeroom	VCT	RB	SG-P	---	---	
9-14	Furniture Storeroom	VCT	RB	SG-P	---	---	
9-15	Furniture Storeroom (Large)	VCT	RB	SG-P	---	---	
9-16	Receiving and General Supply	VCT	RB	SG-P	---	---	
9-17	Receiving and General Storage	VCT	RB	SG-P	---	---	
9-18	Year Round Storeroom	VCT	RB	SG-P	---	---	
9-19	Grounds Equipment Storeroom	SC	RB	SG-P	---	---	
9-20	Grounds Equipment Storeroom (Large)	SC	RB	SG-P	---	---	
9-21	Audio Visual/Secure Storeroom	VCT	RB	SG-P	---	AcT	
9-22	“Vault”	VCT	RB	SG-P, See Notes	---	---	Block filler shall be used on concrete block prior to painting
9-23	“Vault” w/ Anteroom	VCT	RB	SG-P, See Notes	---	---	Block filler shall be used on concrete block prior to painting
9-24	Refuse and Recycling Storage	QT	QT	GCT	---	MP	GCT wainscot to top of door frame
9-25	Computer/AV Storeroom	VCT	VB	SG-P	---	---	

Requirement Applies to: ✔ **New Construction** ✔ **Major Modernizations** ✔ **Capital Improvement Projects**

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
Group 10	**Administration**						
10-10	General Office/Waiting/Mail/Duplicating	VCT	RB	SG-P	---	AcT	
10-11	General Office and Waiting Area	VCT	RB	SG-P	---	AcT	
10-12	Principal's Office	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base.
10-13	Principal's Office w/o Toilet	VCT	RB	SG-P	See Notes	AcT	
10-14	Records Room	VCT	RB	SG-P	---	AcT	
10-15	Principal's Office w/ Toilet	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
10-16	Duplicating Room w/ Lockers	VCT	RB	SG-P	---	AcT	
10-17	Duplicating Room	VCT	RB	SG-P	---	AcT	
10-18	Supervisory Office with Storeroom	VCT	RB	SG-P	---	AcT	
10-19	Administration Office w/Storage	VCT	RB	SG-P	---	AcT	
10-20	Supervisor's Office w/ Conference & Storage	VCT	RB	SG-P	---	AcT	
10-21	Program Office	VCT	RB	SG-P	---	AcT	
10-22	Teachers Mail & Time Room	VCT	RB	SG-P	---	AcT	
NA	Staff Workroom	VCT	RB	SG-P	---	AcT	
10-23	Treasurer's Office	VCT	RB	SG-P	---	AcT	
10-24	Teacher's/Aide's Workroom w/ Toilet	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base

Requirement Applies to: ✔ **New Construction** ✔ **Major Modernizations** ✔ **Capital Improvement Projects**

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
10-25	Community Activities/Parents' Room	VCT	RB	SG-P	---	AcT	
10-26	Parent/Community Office	VCT	RB	SG-P	---	AcT	
Group 11	**Cafeteria/lunch**						
11-10	Students' Cafeteria/Multipurpose Room	VCT, See Notes	GCT	SG-P	GCT	AcT	• Top of GCT wainscot shall align with top of doorframes. • Use resilient athletic flooring only when cafeteria is also used for athletics, calisthenics or games
11-11	Staff Lunch/Conference Room (Small)	VCT	RB	SG-P	---	AcT	
11-12	Staff Lunch/Conference Room (Large)	VCT	RB	SG-P	---	AcT	
11-13	Staff Lunch Room **W/Out Servery**	VCT	RB	SG-P	---	AcT	
11-20	Staff Dining w/ Servery	QT,	QT,	GCT	---	AcT/MP	• Floor in Dining area shall be VCT, with vinyl base. QT floor and base in Servery. Metal pan ceiling in servery area only • QT floor shall be thickset and have epoxy grout. Top of QT in Servery shall align with top of VCT in dining area
11-41	Cafeteria Seating	VCT	GCT	SG-P	GCT	AcT	Top of GCT wainscot shall align with top of doorframes
Group 12	**Custodial**						
12-11	Custodian's Office	VCT	RB	SG-P	---	AcT	
12-12	Custodian's Office w/ Storage	VCT	RB	SG-P	---	AcT	
12-13	Custodian's Storeroom (Small)	VCT	RB	SG-P	---	---	
12-14	Custodian's Storeroom (Medium)	VCT	RB	SG-P	---	---	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
12-15	Custodian's Storeroom (Large)	VCT	RB	SG-P	---	---	
12-16	Custodian's Workshop	VCT	RB	SG-P	---	---	
12-17	Janitor's Sink Closet	MPT	GCT	SG-P	GCT	---	Top of GCT wainscot shall align with top of doorframe
NA	MEP Service and Mechanical Rooms, including fire pump area, boiler room, gas meter room	SC or FAF, See Notes	RB or FAF, See Notes	SG-P			Use fluid-applied equipment room flooring for rooms containing mechanical equipment subject to leaks, such as boilers, water heaters, oil tanks
12-18	Girls' Restroom and Boys' Restroom	MPT	GCT	GCT	---	SG-P	Ceiling material shall be mold & moisture resistant gypsum board
12-20	Custodian's Locker Room w/ Toilet & Shower	VCT/MPT, See Notes	VB, See Notes	SG-P, See Notes	See Notes	AcT, see Notes	Toilet & shower room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT Base and SG-P on mold & moisture resistant gypsum board ceiling
12-21	Security Officers Changing Room M/F	VCT	RB	SG-P	---	AcT	
12-22	Shower and Changing Room w/ Lockers	VCT/MPT See Notes	RB /GCT, See Notes	SG-P	See Notes	AcT	Toilet & shower area shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT Base and SG-P on mold & moisture resistant gypsum board ceiling
12-23	Custodian's Locker room	VCT	RB	SG-P	---	AcT	
12-25	DIIT Large School Main Telecommunication Room	PC	RB	SG-P	---	---	
12-26	Telecommunications Closet	PC	RB	SG-P	---	---	
12-27	Staff All Gender Toilet	MPT	GCT	SG-P	GCT	SG-P	• Top of GCT wainscot shall align with top of doorframe. • Ceiling material shall be mold & moisture resistant gypsum board.
12-28	School Safety Adm'n (SSA) Office and Locker Rooms	VCT	RB	SG-P	---	AcT	
NA	Bicycle storage/ Interior Cycle Parking Area	SC, See Notes	RB, See Notes	SG-P, See Notes	See Notes	See Notes	Floor, wall and ceiling finishes to match adjacent finishes for bicycle storage/parking located on building entrance vestibule

Requirement Applies to: ✔ **New Construction** ✔ **Major Modernizations** ✔ **Capital Improvement Projects**

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
12-29	All Gender Access Toilet	MPT	GCT	SG-P	GCT	AcT	Top of GCT wainscot shall align with top of doorframe
12-30	Student All Gender Toilet	MPT	GCT	SG-P	GCT	SG-P	• Top of GCT wainscot shall align with top of doorframe. • Ceiling material shall be mold & moisture resistant gypsum board.
12-31	DIIT Medium School Main Telecommunication Room	PC	RB	SG-P	---	---	
Group CW	**Citywide Special Education**						
CW10-10	Special Education Classroom	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
CW10-11	Special Education Classroom (Large)	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
CW10-12	Special Education Classroom alt1	VCT	RB	SG-P	---	AcT	
CW10-13	Special Education Classroom w/ Lockers (IS/HS Program)	VCT	RB	SG-P	---	AcT	
CW10-14	Special Education Classroom w/o Toilets (IS/HS Program)	VCT	RB	SG-P	---	AcT	
CW10-15	Special Education Classroom (IS/HS Program)	VCT	RB	SG-P	---	AcT	
CW12-10	Changing Room	MPT	GCT	SG-P	GCT, See Notes	AcT	Top of GCT wainscot shall align with top of doorframe
CW16-30	Activities for Daily Living	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe)F, GCT base
CW17-12	Speech Room	VCT	RB	SG-P	---	AcT	
CW30-00	Guidance Office	VCT	RB	SG-P	---	AcT	
CW30-80	Guidance Storeroom	VCT	RB	SG-P	---	AcT	
CW34-00	Occupational Therapy/Physical Therapy	VCT	RB	SG-P	---	AcT	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
CW40-70	Administration Office and Storage	VCT	RB	SG-P	---	AcT	
CW80-00	Storage Room	VCT	RB	SG-P	---	AcT	
Group K	**Kitchen / Food Services**						
K2	Kitchen: Including Receiving Area, Cooking, and Preparation Area, Pot Wash Areas	QT	QT	GCT	Full height	MP	• Metal panel ceiling shall be non-perforated • Wall Tile shall extend a minimum of 4-inches above ceiling • Epoxy grout shall be used with quarry tile floors and base • Marble saddle shall be provided at all changes of flooring material • Provide flush saddle between VCT floor in food storage area and QT floor in kitchen
K2	Can Wash/Mop room	QT	QT	GCT	Full height	MP	• Wall tile shall extend a minimum of 4-inches above ceiling.
K3	Student Servery Layout and Schedule	QT	QT	GCT	Full height	MP	• Wall tile shall extend a minimum of 4-inches above ceiling • Provide flush saddle between VCT floor in dining area and QT floor in servery when there is no demising wall separating the spaces
K4	Temporary Kitchen	QT	QT	GCT	Full height	MP	Wall Tile shall extend a minimum of 4-inches above ceiling
K5	Warming/Therm Hold Kitchen Layout and Schedule	QT	QT	GCT	Full height	MP	Wall Tile shall extend a minimum of 4-inches above ceiling
NA	Food Storage	VCT	RB	SG-P	---	AcT	Provide flush saddle between VCT floor in food storage area and QT floor in kitchen
NA	Non-food storage	VCT	RB	SG-P	---	AcT	Provide flush saddle between VCT floor in food storage area and QT floor in kitchen
K6	Dietician's/Manager's Office	VCT	RB	SG-P	---	AcT	
NA	Walk –in Refrigerator and Freezer	QT	--	--	--	--	
NA	Compressor room	SC	RB	SG-P	--	SG-P	Ceiling material shall be mold & moisture resistant gypsum board

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
K8	Kitchen Staff Locker room	VCT	RB	SG-P	---	AcT	
NA	Detergent Storage	VCT	RB	SG-P	---	AcT	
Group 3K	**3K**						
3K 1-10	3k Typical Classroom	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	• Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base • Ceiling in toilet shall be lay-in MFT
3K 4-10	3K Exercise room	VSAF, See Notes	RB, See Notes	SG-P, See Notes	Removable protective padding	See Notes	• Where ceiling is not provided, exposed ductwork shall be round and painted. • AcT ceiling where provided to have Impact clips • Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base • Ceiling in toilet shall be lay-in MFT
3K 7-10	3K Lobby	VCT	RB	SG-P	---	AcT	
3K 8-52	3K Nurse's Office	VCT	RB	SG-P	---	AcT	
3K 8-53	3K Medical Office	VCT	RB	SG-P	---	AcT	
3K 9-19	3K Grounds Equipment Storage	SC	RB	SG-P	---	---	
3K10-11	3K General office/Mail/Time/ Duplicating	VCT	RB	SG-P	---	AcT	
3K 10-13	3K Principal's Office	VCT	RB	SG-P	---	AcT	
3K10-15	3K Principal's Office w/ Conf Area	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
3K 10-25	3K Parents/Community Room	VCT	RB	SG-P	---	AcT	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
3K 10-27	3K Staff Room	VCT	RB	SG-P	---	AcT	
3K K2	3K Warming Pantry	QT	QT	GCT - See Notes	See Notes	See Notes	6”x6” QT, thinset mortar w/ transition saddle; GCT in pantry area shall extend a minimum of 4-inches above ceiling. VCT in staff locker room and storage room. MP in pantry area. AcT in locker and storage area
3K 12-11	3K Custodian’s Office	VCT	RB	SG-P	---	AcT	
3K 12-25	3K Telecommunications Closet	PC	RB	SG-P	---	---	
Group UPK	**UPK**						
UPK 1-10	Typical UPK Classroom	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	• Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base • Ceiling in toilet shall be lay-in MFT
(Similar to 3K 4-10)	Exercise Room	VSAF, See Notes	RB, See Notes	SG-P, See Notes	Removable protective padding	See Notes	• Where ceiling is not provided, exposed ductwork shall be round and painted • AcT ceiling where provided to have Impact clips • Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base • Ceiling in toilet shall be lay-in MFT
UPK 7-10	UPK Lobby Design Criteria	VCT	RB	SG-P	---	AcT	
UPK 8-53	UPK Medical office	VCT	RB	SG-P	---	AcT	
UPK 9-16	Receiving and General Supply Room	VCT	RB	SG-P	---	AcT	
UPK 9-19	UPK Grounds Equipment Closet	SC	RB	SG-P	---	---	
UPK 9-24	Refuse and Recycling Storage	SC	RB	SG-P	---	---	

	Table of Typical Spaces and Finishes						
Layout Number	**Layout Name**	**Floor**	**Base**	**Wall**	**Wainscot**	**Ceiling**	**Notes**
UPK 10-11	UPK General office/Waiting Room	VCT	RB	SG-P	---	AcT	
UPK 10-13	UPK Principal's Office	VCT	RB	SG-P	---	AcT	
UPK 10-15	UPK Principal's Office w/ Conf Area	VCT, See Notes	RB, See Notes	SG-P	See Notes	AcT	Toilet room shall have MPT flooring, GCT wainscot (align with top of doorframe), GCT base
UPK 10-25	UPK Community Activities/Parents room	VCT	RB	SG-P	---	AcT	
UPK 10-27	UPK Staff Room	VCT	RB	SG-P	---	AcT	
UPK 12-11	UPK Custodian's Workshop/office	VCT	RB	SG-P	---	AcT	
UPK 12-25	UPK Telecommunications	PC	RB	SG-P	---	---	
UPK K2	UPK Warming Pantry	QT	QT	GCT See notes	See notes	See notes	6"x6" QT, thinset mortar w/ transition saddle; GCT in pantry area shall extend a minimum of 4-inches above ceiling. VCT in staff locker room and storage room. MP in pantry area. AcT in locker and storage area

5.2 Partitions

5.2.1 Concrete Masonry Units

Description / Design Approach:

Concrete Masonry Units (CMU) are typically provided as back up for exterior walls, as partitions for Gymnasiums and Stair Shafts or where otherwise indicated by plans for specific conditions.

1. When CMU is used and exposed to view they shall be filled and painted. CMU walls shall have a minimum thickness of six inches.

2. When acoustical CMU block is required it shall have a minimum thickness of eight inches so to accommodate seismic and acoustical requirements. The eight-inch block is the minimum thickness for a CMU for this type of condition. This block provides separate cells within the block for seismic bracing and acoustical treatment.

3. When external CMU corners meet edge to edge with Gypsum partition walls “bullnosed” CMU should not be installed.

5.2 Partitions

5.2.2 Interior Partitions

Description/Design Approach:

The following assemblies and materials shall be acceptable for interior partitions in the rooms and spaces indicated; steel stud thickness minimum 20 gauge unless otherwise noted.

Rooms	Assembly	Material
Administration, Staff Offices, Support Rooms and classroom partitions at corridor walls and classroom specific toilets	Single layer of wallboard on one side of studs, and double layer on opposite side of studs. Additional layers as required to achieve fire ratings, extending to slab above.	Face layers: 5/8" thick abuse and impact resistant gypsum board. Concealed layer: 5/8" thick, mold & moisture resistant gypsum wallboard.
Classroom partitions where rear walls of classrooms are back to back	Double layer of wallboard extending to slab above, on each side of studs Additional layers as required to achieve fire ratings, extending to slab above. 6” runner with staggered studs.	Face layers: 5/8" thick abuse and impact resistant gypsum board. Concealed layer: 5/8" thick, mold & moisture resistant gypsum wallboard.
Partitions between classrooms and spaces other than toilets, corridors or spaces with a higher STC or ICC requirement	Single layer of wallboard on one side of studs, and double layer on opposite side of studs. The gypsum board at one side must be supported on resilient clips – this face of the partition cannot support shelving and counters. Additional layers as required to achieve fire ratings, extending to slab above.	Face layers: 5/8" thick abuse and impact resistant gypsum board. Concealed layer: 5/8" thick, mold & moisture resistant gypsum wallboard.
Corridors, Lobbies, and Vestibules	Single layer of wallboard on room side of studs. Double layer on corridor side of studs.	Face layers: 5/8" thick abuse and impact resistant gypsum board. Concealed layer: 5/8" thick, mold & moisture resistant gypsum wallboard.

Rooms	Assembly	Material
Auditorium and Library	Perimeter of area: double layer of wallboard on both sides of studs, all layers extending to slab above. Partitions within area: 1 layer on one side, 2 layers on opposite side.	Face layers: 5/8" thick abuse **and impact** resistant gypsum board. Concealed layers: 5/8" thick, mold & moisture resistant gypsum wallboard.
Partitions separating High Noise spaces such as Cafeteria, Music Rooms, Dance Classrooms and Lunchrooms from instructional spaces	Perimeter of area: Masonry partitions or 6-inch deep, 25 gauge studs with three layers of 5/8-inch gypsum board on both sides. Partitions within area: 1 layer on one side, 2 layers on opposite side.	Face layers: 5/8" thick abuse and impact resistant gypsum board. Concealed layers: 5/8" thick, mold & moisture resistant gypsum wallboard.
MEP Rooms and Storage Rooms	Single layer of wallboard on one side of studs, and double layer on opposite side of studs. Additional layers to achieve fire rating.	Face layer: 5/8” thick abuse and impact resistant gypsum board. Concealed layer: 5/8" thick, mold & moisture resistant gypsum wallboard.
Ganged Toilets, Gym Locker, Gym Showers, Gym Toilets.	Double layer on toilet room side, including chase wall. Single layer on side facing classroom, office, etc.	Face layer on toilet room side: 5/8" thick tile backer board. Concealed layer: 5/8" thick, mold & moisture resistant gypsum wallboard. Classroom side: 5/8" thick reinforced abuse resistant gypsum board.
Classroom Toilets	Double layer on toilet room side. Single layer on side facing classroom.	Concealed and face layers in toilet room: 5/8" thick, mold & moisture resistant gypsum wallboard. Classroom side: 5/8" thick abuse and impact resistant gypsum board.
Janitor's Sink Closet	Single layer on side facing Closet	5/8" thick, mold & moisture resistant gypsum wallboard
Kitchen and Servery	Single layer within kitchen. Double layer for partition at perimeter of kitchen area. 2-hour fire rating where required. All layers extend to slab above.	Face layer 5/8" thick tile backer board. Concealed layer 5/8" thick, mold & moisture resistant gypsum wallboard.

Rooms	Assembly	Material
MEP shafts (2-hour rated)	Gypsum liner panels on shaft side of C-H studs. Double layer wallboard on room/ corridor side.	1" thick mold and moisture resistant gypsum liner panels on shaft side. Face layer on room side: 5/8" thick abuse and impact resistant gypsum board. Concealed layer: 5/8" thick, mold & moisture resistant gypsum wallboard.
Elevator shafts (2-hour rated)	**Corridor Wall with the elevator doors: Gypsum liner panels on shaft side of C-H studs. Double layer wallboard on corridor side.** **Remaining Walls:** Wallboard on furring channels and concrete block. Double layer wallboard **for other** corridor side **(if any).**	Face layer: 5/8" thick abuse and impact resistant gypsum board. Concealed layer: 5/8" thick, mold & moisture resistant gypsum wallboard.
Exterior wall (Interior face)	Single layer of wallboard on studs and block back-up	5/8" thick abuse and impact resistant gypsum board.
Exterior Precast Concrete Panel Wall (interior face inside building)	Single layer of wallboard on $3^5/_8$" studs. Studs shall not be connected to concrete panels	5/8" thick abuse and impact resistant gypsum board.
Fuel oil tank room and shafts for fuel oil piping, fire pump room	Concrete block.	6" thick concrete masonry units
Fascias and Soffits	Single layer wallboard.	5/8" thick, mold & moisture resistant gypsum board.
Stairs – Concrete frame building with concrete shear wall	Concrete shear wall portion	Patched with structural repair mortar and painted
Stairs – Concrete frame building with concrete shear wall	Concrete block portion	Skim coat of repair mortar and painted
Stairs- Concrete frame building without concrete shear wall or steel frame building	Concrete block	Painted

Rooms	Assembly	Material
Gymnasiums, Gymatoriums, Shafts, Vault Room, Trade Shops.	Concrete block	6" thick concrete masonry units. 8" thick units where acoustical block is required (for seismic reinforcement). Acoustical units in gym, above height of wall padding.

Partition types are developed based on acoustical considerations outlined in DR 1.3.1.9 Architectural Acoustic standards and shall be reviewed by design team acoustical consultant.

1. Partitions in Early Childhood Centers, 3K and UPK centers shall be constructed as described in the table above except that abuse resistant gypsum board as specified in Note to Specifier 4 of Section 09260 shall be used in lieu of abuse and impact resistant gypsum board.

2. Abuse and impact resistant gypsum board shall be reinforced with fiberglass mesh or polycarbonate sheet, manufactured with the reinforcing bonded to the back of the board.

3. Drywall partitions shall be constructed as follows, unless noted otherwise:

    a. Framing members shall be $3^{5}/_{8}$" metal studs @ 16" on center, extending from floor to underside of deck above. Size and spacing of studs may vary as required for height of partition and other special conditions.

        The above is a minimum requirement. Actual gauge, height and spacing of metal studs shall be as determined to meet structural and seismic loads. Partition deflection shall be limited to L/240 for painted walls and L/360 for walls with ceramic tile wainscot, designed for a minimum lateral load of 5 psf. Horizontal framing for mold & moisture resistant board soffits shall be spaced no more than 12" on center.

    b. Provide $3^{1}/_{2}$" fiberglass or mineral fiber sound attenuating blanket insulation between metal studs. At sound isolating partitions at back-to-back classrooms with staggered studs, 2" fiberglass or mineral fiber sound attenuating blanket insulation may be used.

    c. Above suspended ceilings, provide one layer 5/8" thick, mold & moisture resistant gypsum wallboard on each side of studs, unpainted, extending to slab above. Provide additional layers where indicated, for fire resistance and sound attenuation. Classroom partitions must extend to slab above.

    d. Corridor/lobby/vestibule side of partition shall receive double-layer wallboard in all cases. Face layer shall be reinforced abuse and impact resistant gypsum board.

    e. Ceramic tile shall be thin-set on drywall partitions, and thick-set when applied to masonry. Refer to Room Finish schedules **in DR 5.1.1** for ceramic tile locations.

    f. Paint sheen shall be semi-gloss unless noted otherwise. Refer to Room Finish schedules **in DR 5.1.1**.

g. In potentially wet areas, the floor track and bottom portion of studs shall receive a protective bituminous coating.

h. The bottom edge of wallboard shall be raised 1/2" above concrete slab in corridors, lobbies, vestibules, and potentially wet areas. Finish bottom edge of wallboard with L-shaped galvanized metal trim. Fill gap with non-shrink material.

i. All exposed gypsum board shall be skim coated with joint compound over the entire surface for an ASTM C840 Level 5 finish.

4. Concrete block partitions shall conform to fire separation and seismic requirements in accordance with the NYC Building Code. Acoustic block shall have a double row of cells to accommodate vertical reinforcing. Vertical reinforcing rods are not permitted within acoustical cells.

5. Fire rated separations:

   a. One-hour fire rating is typically required for non-load bearing corridor walls for existing buildings under Section 27-369 (h) of the 1968 NYC Code. Under the **2022 NYC** Building Code, non-load bearing corridor walls for new buildings are not required to be fire-rated for schools (Occupancy type E) as they are required to be sprinklered (Table BC **1020.1.1**).

   b. Two-hour fire rating is typically required for offices, shops, kitchens, shafts, vertical exits, exit passageways, safe area, fire rescue area and other locations as required for existing buildings under the 1968 NYC Building Code and other applicable codes.

   c. For buildings designed under the **2022** code:
      i) A two-hour fire rating is required for vertical exits (BC **1023.2**) shafts (BC **713.4**) elevator hoistways (BC **713.14**) and safe areas (BC **1029.19.3**)

      ii) A one-hour fire rating is required for sprinklered mechanical rooms (Table BC 509), and for shafts that penetrate fewer than three stories (BC **713.4**), **though as per Table BC 601 shaft enclosures shall have a fire-resistance rating not less than the floor assembly penetrated, but need not exceed 2 hours**.

      iii) Spaces that are accessory to 'E' occupancy and occupy a floor area not more than 10% of the area of the story in which they are located do not require a fire separation (BC **508.2.3**, BC 508.2.4).

      iv) Assembly spaces that are accessory to 'E' occupancy do not require a fire separation (BC **508.2.3** exception 1.2, BC 508.2.4)

6. It is preferred that the 2-hour wall in the non-sprinklered Kitchen be located to separate the Kitchen spaces from the following: Students' Servery, the A La Carte Room and the Teachers' Servery. If this is not possible, the 2-hour wall shall be located to separate the Cafeteria's seating area from the following: Students' Servery, A La Carte Room and Teachers' Servery. (Use of these 2-hour walls located strategically should eliminate the use of fire rated roll down shutters between seating area and Servery).

   a. The wall between the Servery and Cafeterias (non-rated walls only) may be constructed of hollow metal frames and "tempered glass" Vision Panels. Height shall be restricted to the overall height of doorframes.

b. For new buildings, Section BC 508.4.4 requires a rated separation between occupancies, which now applies between commercial kitchens, which are in occupancy Group F-2, and the servery and or cafeteria. Section BC 508.1, exception 5, provides the requirements for which a rated partition is not required, which is the cooking equipment is vented to the exterior, a draft curtain at least 24" down from the ceiling is provided and either of the fire protection systems of exceptions 5.1 or 5.2 are provided. Otherwise for a sprinklered building, a 1-hour fire separation is required as per Table 508.4, footnote f.

7. Trade shops requiring concrete block partitions include carpentry, metal, electric, plumbing, automotive, welding, and stagecraft. Drywall partitions are permitted for photography, graphics, mechanical drafting, home economics, cosmetology, robotics, and plastics shops.

8. Wardrobe and material supply closets within all classrooms, including special education classrooms, and offices are to be constructed of single layer of gypsum board each side (unless required otherwise for fire rating). Refer to DR 1.3.2.3 for other detailed requirements.

5.2 Partitions

5.2.3 Glazed Concrete Masonry Units and Structural Glazed Facing Tile

Description/Design Approach:

***** Glazed masonry shall be used only when required to match existing partition construction."***

Requirement Applies to:	New Construction	✔	Major Modernizations	✔	Capital Improvement Projects

5.2 Partitions

5.2.4 Folding Panel Partitions

Description/Design Approach:

Provide motorized folding panel partitions for use in large spaces such as gymnasiums and auditoriums.

Provide manually operated folding panel partitions for smaller spaces such as classrooms and other areas of instruction.

A Sound Transmission Coefficient of 46 is required for both partition types (motorized and manual). Both types shall have automatic acoustic seals at the top of panels, between panels and between the panels and the floor.

The State Education Department has issued regulations requiring safety features for motorized folding panel partitions. These safety requirements are:

1. The electrical device controlling the operation of the partition shall be capable of being reversed at any point in the stack travel cycle.

2. A leading edge sensor which will stop the partition if it strikes an object in its path is required.

3. Devices are required to be provided for all electrically operated partitions that will stop the forward or backward motion of the partition and stop the stacking motion when a body or object passes between the leading panel of such partitions and a wall or other termination point, or when a body or object is in the stacking area of such partitions (by means of a stacking area safety mat. with safety key switches are required to operate the motorized partition: Locate one on each side of the partition, one at the stack end and one opposite the stack end of the partition, both in full view of the partition. A constant contact tamper proof button, activated by a key, shall be required to operate each switch. The switches shall be wired in series. Simultaneous operation of both switches shall be required to operate the partition.

4. Warning signs are required to be posted which designate the safe and proper operation and supervision of the electrical device operating the partition. Signs shall be adjacent to each key activated safety switch and securely fastened to the wall 5'-0 above the finished floor.

5.3 Flooring

5.3.1 Floor Types

Description/Design Approach:

The following is a detailed description of the various floor finishes/types that are used throughout a typical school building. For typical application in schools by room type (Standard Room Layout), see Design Requirement 5.1.1 - Typical Room Finishes. At the end of this section is a floor system matrix that will guide the selection of athletic flooring types/systems for specific locations and cases. In addition, see Specifications for more detailed information.

A. General Flooring

1. Carpet (Cpt): Broadloom or Tile Carpeting

   The use of carpet in schools is typically limited to **match existing and per school's request.** Its use is **for** aesthetic as well as functional.
   Tile carpeting is generally preferred to broadloom due to relative ease of replacement. It also provides for design freedom to create a wide variety of patterns, textures and colors.

2. Ceramic Tile (CT) **& Mosaic Porcelain Tile (MPT)**:

   a. Glazed ceramic tile (GCT) is typically used on walls such as at corridors.

   b. Unglazed **mosaic porcelain floor** tile is typically used in Toilet Rooms, Shower Rooms and Janitor Sink Closets where moisture may be present.

   Notes:

   a. Generally, the thinset method of floor tile installation shall be used in new and existing construction. For wet areas with more than one floor drain, provide structural repair concrete fill to provide pitch to drain and thickset installation to allow installation of a sheet membrane waterproofing.

   b. Thickset method can be specified in existing buildings to match existing or if existing non-structural fill on top of structural slab can be removed to allow for depth of mortar bed specified for the thickset and allow installation of a sheet membrane waterproofing. Under no conditions shall the existing structural slab be removed or disturbed unless the slab is subject to structural failure.

   c. Cold applied liquid waterproof membrane shall be provided for thinset floor tile installations.

   d. Sheet membrane waterproofing shall be provided in areas that have thickset floor tile.

3. Porcelain Tile (PT):

   Porcelain Tile provides a material that is colorful, clear and luminous. It is installed in a thinset application. The use of this material is typically limited to the "Main Lobby" of the school, and other high traffic areas such as stair landings, vestibules, entry corridors, and exit passageways.

4. Terrazzo Tile (TT):

   Provide precast cementitious type. Terrazzo tile is installed in a thinset application. May be used in high traffic areas such as lobby, vestibules, entry corridors, and exit passageways.

5. Poured Epoxy (PE):

   Also known as “Resinous Flooring”. This type of floor is typically used in areas where resistance to acids, chemicals, solvents and reagents is necessary.

6. Quarry Tile (QT):

   In addition to being used in high traffic areas, quarry tile is to be used in all kitchens. As it is resistant to acid and other chemicals, it may also be used for science labs in existing buildings.

   Notes:

   a. Epoxy grout is to be used for quarry tile in Kitchens and science labs. Epoxy grout is non-porous and is resistant to many acids and chemicals found in food products and strong cleaning detergents; it also resists staining and does not support the growth of bacteria. The formulation specified is high temperature resistant and will not soften when exposed to hot liquids or steam.

   b. Quarry tile in kitchens is to be a thickset application utilizing sheet membrane waterproofing.

   c. For other locations, provide thin set application. For areas with drains, provide cold applied liquid waterproof membrane.

7. Vinyl Composition Tile (VCT):

   Classified as ‘Resilient Flooring,’ this material is the most widely used flooring material in the school building, typically used in classrooms, typical corridors, offices, libraries**, Principal’s office** and other spaces.

B. Auditorium Flooring

1. Painted Concrete (PC):

   Typically only used in the seating areas for Auditoriums. Color to be coordinated with interior finishes.

2. Vinyl Composition Tile (VCT):

   Used for non-sloped areas of the Auditorium floor, including the orchestra and back-of-house areas and any non-sloped aisles and must be carefully planned out at the change in slope.

3. Sheet Vinyl (SV):

   May be used for non-sloped areas of the Auditorium floor, including the orchestra and back-of-house areas and any non-sloped aisles. However, tile is generally preferred due to relative ease of replacement.

4. Slip Retardant Sheet Vinyl (SRSV):

   May be used for the sloped aisles of auditorium floor. However, tile is generally preferred due to relative ease of replacement.

5. Slip Retardant Vinyl Tile (SRVT):

   Used on sloping portions of the Auditorium aisles unless school is requesting sheet vinyl to be installed.

6. Non-anchored wood floor (NWF):

   Used for auditorium stage**/gymatorium platform**. If existing stage is resilient floor, replace with VCT to avoid elevation changes due to the thickness of the wood floor system.

C. Athletic Flooring

1. **Athletic** Wood **Floors (AW)**:

   This type of floor is a "flooring system" consisting of multiple elements, typically provided in areas of physical activity that require an ability to absorb as well as minimize impact on the user. Activities include, but are not limited to, basketball, volleyball, calisthenics, and dance. Typical rooms are gymnasiums, gymatoriums, wrestling gymnasium, dance classrooms and stages/platforms. Various systems using wood as the finish material are available. Application of the appropriate system is a function of location of the floor, performance requirements, acoustical requirements, available slab depression-for existing buildings etc. Refer to the matrix on last page for various athletic floor systems and their respective applications. **Vented Resilient Base (VRB) to be provided.**

   a. Anchored Wood Floor (AWF)

      This system provides a hardwood gym floor with a solid dimensional lumber sub-floor, mechanically fastened to the concrete floor. This installation is for dry areas not subject to water inundation.

   b. Non-anchored Wood Floor (NWF)

      This system, commonly known as a "floating floor", provides a hardwood gym floor with a plywood sub-floor. It must be fire-blocked as per code. This flooring system is to be used for all new Auditorium Stage floors.

   c. "Greenplay" Wood Floor (GPWF)

      This system provides a hardwood gym floor with plastic pedestal panel supports, and plastic wood slat attachment substrate. It can be used in a situation with potential for some moisture infiltration because the wood materials do not come into direct contact with the concrete slab. (made by Connor Sports floor and to be used in Change Order Only)

2. Synthetic and Flood Resistant Athletic Floors:

   Synthetic, flood-resistant flooring systems are recommended for locations within school buildings where there is a potential for flooding; either due to a high-water table, the building is in a FEMA

flood zone, or it is subject to other potential flooding from other sources. These systems require minimal installation time (as compared to the wood floor systems) and have fewer restrictions for indoor temperature conditions for installation and can be used where the existing slab depression is inadequate for a resilient wood floor. Among this floor category are the following:

- Resilient “pad and pour” synthetic floors (ranging in thickness from 1/4” to 5/8”) which have a seamless rubber surface consisting of a rubber pad/base and poured polyurethane layers.
- Modular Interlocking floors
- Vinyl Sheet Athletic Flooring

Use of these synthetic flooring types must be discussed with the SCA’s TSS unit during the scoping and/or design phase. Refer to the matrix on last page for application criteria.

a. Resilient Athletic Flooring (RAF):

i. “Point-elastic” Synthetic Floor (PEF):

A synthetic floor surface that bends at the point of pressure and absorbs energy. This type of synthetic surface floor is typically provided in areas of multi-purpose rooms that include physical activity. Due to its ability to give with pressure and provide cushioning but absorb energy, it would be appropriate in a play area for young children, but not for a basketball court.

ii. “Area-elastic” Synthetic Floor (AEF)

Area-elastic floors have a rigid, non-bending surface that yields gradually to pressure and can return energy, similar to a resilient wood flooring system. They don't give at a point, with immediate pressure, but bend slightly over a wide area and provide energy return. These flooring systems are well-suited to high school gymnasiums and are a good choice where the floor may be subject to flooding because of a high water table or Flood Zone. Use of this flooring must be discussed with the SCA’s TSS unit during the scoping and/or design phase.

b. Modular Interlocking Flooring:

i. Interlocking Polymer Floor (IPF):

This type of high-impact flooring absorbs and minimizes impact on the user. It is a quick-install modular flooring system consisting of 12” x12” interlocking panels less than one inch thick, most appropriate to primary school use. Polymer floor with shock deflectors such as ‘Maple Shocktower’ by ‘Snapsports’ is recommended.

ii. Interlocking Dance Floor System (IDF):

This is a sprung type modular flooring system with an overall thickness of 2” to 2½” consisting of 1” thick 4’x4’ or 4’x8’ interlocking panels with 3/4” elastomer blocks and a seamless vinyl overlay. Polypropylene core floor such as ‘Harlequin Aerodeck’ by ‘Harlequin’ is recommended.

iii. Interlocking Rubber Flooring (IRF):

Used for all weight rooms in High Schools, regardless of water issues. The interlocking tiles with rubber surface are laid directly on the concrete floor slab, and are not glued or fastened down.

c. Vinyl Sheet Athletic Flooring (VSAF):

Vinyl Sheet Athletic Flooring with integral closed cell foam backing may be used for existing Gymnasiums and/or Multipurpose rooms where the floor slab is on grade and such slab is in high water table or has other potential or history of water infiltration. Use of this flooring must be discussed with the SCA's TSS unit during the scoping and/or design phase.

D. Service and Equipment Rooms

1. Sealed Concrete (SC):

Typically used in outdoor equipment rooms and MEP Service and Equipment Rooms that do not contain equipment subject to leakage. Concrete sealers provide improved resistance to rain, sun, freezing temperatures, stains, abrasive cleaners, petroleum, and deicing salts. Concrete sealers make cleanup easier.

2. Fluid-applied Equipment Room Flooring (FAF):

This type of flooring is typically provided in rooms containing mechanical equipment subject to leaks, such as boilers, water heaters, and oil tanks.

E. Acoustical Requirements:

"Floating" or double slab construction with the preferred flooring system shall be specified for rooms that are located above spaces sensitive to noise such as instructional spaces, libraries or auditoriums in new buildings or new additions. In existing buildings, applied acoustical separation can be utilized depending on floor type (non-anchored wood floor or interlocking dance floor) and if there is space.

F. Athletic Floor System Matrix

Space Type	Water and Noise Issues/Parameters			
	No Water Issues/ No Noise Issues	Water Issue: Flood Zone (floor is below DFE)	Water Issue: High Water Table or other potential flooding Issue	NOISE: Acoustical Separation from Room(s) Below (on double slab or with acoustical separation)
Gymnasium	Anchored Wood Floor	Area Elastic Synthetic Floor, or Interlocking Polymer Floor (for expedited installation in PS/IS)	Area Elastic Synthetic Floor, Greenplay Wood Floor, or Interlocking Polymer Floor (for expedited installation in PS/IS)	Non-anchored Wood Floor
Gymatorium	NC: Anchored Wood Floor	Area Elastic Synthetic Floor	Area Elastic Synthetic Floor or Greenplay Wood Floor	Non-anchored Wood Floor
Multi-Purpose Room	NC: Point Elastic Synthetic Floor EB: Vinyl Sheet Athletic Floor or Point Elastic Synthetic Floor	NC: Point Elastic Synthetic Floor EB: Vinyl Sheet Athletic Floor or Point Elastic Synthetic Floor	NC: Point Elastic Synthetic Floor EB: Vinyl Sheet Athletic Floor or Point Elastic Synthetic Floor	NC: Point Elastic Synthetic Floor EB: Vinyl Sheet Athletic Floor or Point Elastic Synthetic Floor
Wrestling Room	Anchored Wood Floor	NC: Area Elastic Synthetic Floor EB: Area Elastic Synthetic Floor or Vinyl Sheet Athletic Floor	NC: Area Elastic Synthetic Floor EB: Area Elastic Synthetic Floor or Vinyl Sheet Athletic Floor	NC: Non-anchored Wood Floor EB: Non-anchored Wood Floor or Area Elastic Synthetic Floor
Dance Room	Anchored Wood Floor	Interlocking Dance Floor	Interlocking Dance Floor	NC: Non-anchored Wood Floor EB: Non-anchored Wood Floor or Interlocking Dance Floor

DFE Design Flood Elevation (ABFE {Advisory Base Flood Elevation} + 1'-0")
NC New Construction
EB Existing Building

5.4 Ceiling Systems

5.4.1 Suspended Ceilings

Description/Design Approach:

Ceiling Heights

Minimum ceiling heights for suspended ceilings are indicated in the table below.

Location	Early Childhood Center	Primary School	Intermediate School	High School
Corridors	10’ - 0”	10’ - 0”	10’ - 0”	10’ - 0”
Classrooms	9’ - 4”	9’ - 4”	10’ - 0”	10’ - 0”
Offices	9’ - 4”	9’ - 4”	10’ - 0”	10’ - 0”
Lunchrooms	10’ - 0”	10’ - 0”	10’- 0”	10’ - 0”
Gymnasium *	16’ - 0”	**20**’ - 0”	24’ - 0”	24’ - 0”
Gymatorium *	16’ - 0”	**20**’ - 0”	24’ - 0”	24’ - 0”
Kitchen	9’ - 4”	9’ - 4”	9’ - 4”	9’ - 4”
Toilets	9’ - 0”	9’ - 0”	10’ - 0”	10’ - 0”
Storage	---	---	---	---

* To closest obstruction.

A. Fire Rating

Required fire ratings and separations are to be provided by the floor/roof assembly independent of the ceiling construction.

B. Ceiling Types

1. Typical ceiling shall be 2’ x 4’ lay-in acoustical tile with hold down clips. Exceptions noted below, and in Design Requirement 5.1.1, Typical Room Finishes.

2. Ceilings in corridors in High Schools shall be “Tectum” (wood fiber composition) panels. Ceiling materials for lobby ceilings may be lay-in acoustical tile with hold down clips, mold & moisture resistant gypsum board or any other material that works with the ceiling suspension system, such as metal slats, etc. Use of other ceiling material to enhance the lobby aesthetic is subject to approval by the Authority.

3. Soffits and ceilings shall be mold & moisture resistant gypsum board. Framing for attachment of the gypsum board shall be spaced 12" on center.

4. Kitchen ceilings shall be 2’ x 2’ lay-in metal panels, non-perforated.

5. Gymnasium does not require a ceiling. If a ceiling is provided, use “Tectum” with a minimum of 4 impact clips, or more if recommended by manufacturer.

If a ceiling is not provided, Designers are to ensure that duct work, MEP lines and construction elements are designed for exposure and in addition do not provide areas to trap or damage balls and other equipment (e.g. use round ducts) and are protected from damage themselves.

6. Cafeteria ceilings shall be comprised of the following, depending on the space above:

   a. Where there is no classroom of office space above the cafeteria, provide ceiling tile with an NRC of 0.90.

   b. Where there is classroom or office space above, provide high CAC ceiling tile with an NRC of 0.90 and a minimum CAC of 40. Ceiling grid will need to be 2x2. In addition, provide 3½" of mineral wool insulation loose laid over the top of the ceiling. Difficulties in installing the insulation based on the BIM model are to be brought to A&E's attention for discussion.

   c. Where the space above may be a combination of the above, utilize the high CAC tile and loose laid insulation for the whole ceiling.

7. Mechanical Equipment rooms do not require ceilings.

C. Suspension System

1. Ceilings are to be suspended using flat metal bars bolted to angles secured to underside of floor construction. "GAT" system with 1/4" diameter galvanized steel rods are acceptable for support of ceilings with ceiling panels weighing less than 4 pounds per square foot, and where the total load on each GAT clip is within its allowable load limit. Carrying channels shall be 1½" deep, 0.457 lb/lf minimum.

2. Use of wire hangers is not permitted. Appendix R of the 2022 NYC Building Code governs the construction of suspended ceilings.

3. School Buildings and additions are designed for seismic forces as per the 2022 NYC Building Code and as such, suspended ceilings shall meet the requirements of Section BC 1613 and ASCE 7-16. Ceilings shall be designed to meet seismic force requirements of Section 13.5.6 of ASCE 7-16 where required based on Seismic Design Category. The Seismic Design Category shall be determined by the project structural engineer. Importance Factor (I_p) shall be 1.0.

   a. Seismic design for suspended ceilings is not required for Seismic Design Categories A or B per Section 13.1.4.

   b. For Seismic Design Category "C", seismic requirements for suspended ceilings shall be designed and installed in accordance with ASTM E580, Section 4 as per Section 13.5.6.2.1.

      1) Provide a 7/8" support angle at the perimeter. Terminal ends of suspension members shall have 3/8" clearance.

      2) Sprinkler heads and other penetrations shall have 3/8" clearance on all sides.

3) Drawings shall show bracings, separation joint (when required as above), clearance around sprinkler heads and other penetrations, positive bracing where ceiling elevations change.

4. Isolation hangers shall be used for ceilings designed to be 'sound barrier ceiling' to achieve airborne sound isolation, i.e. required STC rating.

D. Support of MEP Equipment & Light Fixtures:

1. All mechanical equipment ducts, pipes, etc. regardless of weight, and all light fixtures (recessed, surface or pendant) weighing more than 80 lbs.:

   Shall be directly supported by the building structure, independent of the ceiling suspension system (carrying channels or runners).

2. Recessed light fixtures weighing more than 50 lbs. and up to 80 lbs., and surface or pendant type light fixtures weighing less than 80 lbs.:

   Shall not be supported by ceiling runners, ("T's" or "Z's"). Such fixtures shall be supported from the carrying channels ("black iron") or the building structure. The carrying channels shall be the size, weight & spacing as required by the NYC Building Code. The weight of the fixture shall not be imposed on the ceiling grid.

3. Recessed fixtures weighing less than 50 lbs.:

   May be supported by the main ceiling runners (T's or Z's) provided that the total weight of a light fixture and other equipment and ceiling material supported by a "T" or "Z" bar does not exceed the allowable deflection in accordance with the Appendix R of the 2022 NYC Building Code. Secondary support such as chains or aircraft cable is to be provided. Cross runners shall not be used to support fixtures.

4. MC cable may be clipped to the steel rod or bar hangers.

5.5 Doors

5.5.1 Interior Doors and Frames

Description/Design Approach:

A. Types

1. Under the 1968 NYC Code for existing buildings, doors that provide access to interior corridors required to have a one-hour fire resistance rating from spaces devoted to non-hazardous uses (i.e., classrooms, offices, toilets etc.) shall be 1¾" solid core wood doors without a fire rating (per Section 27-371(b)).

   Under the 2022 NYC Code for new buildings and additions, interior corridors are not required to be fire rated in sprinklered schools (Group E) per Table BC 1020.1.1. Therefore, no fire rating is required for corridor doors. Doors to classrooms and offices shall be 1¾" solid core wood doors without a fire rating.

2. Doors within rooms (e.g., kindergarten toilets, inner offices, etc.) shall be wood.

3. Doors for wardrobes and closets within rooms shall be wood.

4. Doors to Kitchen and spaces within the kitchen (e.g., food storage, can wash, Dieticians office, kitchen help locker rooms etc.) shall be galvanized hollow metal.

5. All other doors not mentioned above shall be galvanized hollow metal doors, except in an existing school where wood doors can be utilized to match the existing wood doors (as long as they comply with NYC Building Code requirements). All stair doors shall be steel with the fire-rating required by code. Fire rated doors shall have the appropriate BSA, MEA or other entity accepted by the Code or OTCR label installed at the factory.

B. Construction

1. Interior wood doors shall comply with Architectural Woodwork Institute's (AWI) Architectural Woodwork Standards (AWS). Doors shall be constructed of structural composite lumber core, 1¾" thick 5-ply construction. Half-surface mounted ball bearing hinges shall be used on all wood doors with the exception of wardrobe and closet doors.

   Wood doors with mineral cores or any other door types not described above are ***not*** acceptable.

2. Reinforcing for steel doors shall be as indicated in the specifications and standard details. UL approved insulation shall be used in the core of the doors for sound deadening.

3. All doors, inclusive of sidelites or transoms, shall have 14 gage steel frames reinforced as indicated in the specifications and standard details. Knock-down frames are ***not*** acceptable.

4. Hardware

   - Existing buildings where the 1968 NYC Code is applicable: Positive latching per Section 27-371 (j) (1) is not required for stair doors. Push/pull hardware is allowed.

   - New buildings and additions where the 2022 NYC Code is applicable: All fire-rated doors require positive latching per Section BC 716.5.9.1, which will require stair doors to have panic hardware.

C. Vision Panels

1. Glazing type

   - In buildings where the 2022 NYC Code is applicable, vision panels in fire-rated doors shall be fire rated glazing per Section BC 716.
   - In buildings where the 1968 NYC Code is applicable, vision panels in fire-rated doors and non fire-rated wood doors to classrooms and other instructional spaces shall be 1/4" wired glass.
   - Vision panels in non fire-rated doors shall be minimum 1/4" thick laminated safety glass.

2. Glazing area

   - Fire-rated doors**:** Area of vision panels in fire-rated doors shall be maximized to the extent allowable by the NYC building code.
   - Non fire-rated doors
     - Existing buildings where the 1968 NYC Code is applicable**:** Area of vision panels in non fire-rated wood doors to classrooms and other instructional spaces shall be maximized to 720 square inches.
     - In new buildings and additions: Vision panels in non fire-rated doors to classrooms and other instructional spaces shall be 12" wide x 30" high.

3. Indicate glazing type, size and location on contract documents.

All interior doors typically require a vision panel. Doors that shall ***not*** have a vision panel are as follows:

• Auditoriums and Coat Check Room	• Preparation Rooms
• Can Wash and Mop Rooms	• Refuse and Compactor Rooms
• Custodial and Security Rooms	• Storage Room and Closets
• Dressing Rooms	• Toilets, Showers and Locker Rooms
• Duplicating and Record Rooms	• Utility, Equipment and Service Rooms
• Janitor's Sink Closet	• Vault Rooms
• Medical Examination Rooms	• Sound Control Room
• Photography Projection and Rooms	

D. Sidelites and Transoms in Non Fire-rated Hollow Metal Frames.

Sidelites, as per Room Planning Standard, or transom lites above doors are to be part of the door assembly and glazing shall be 1/4" thick laminated safety glass.

E. Screens for Door Sidelites and Door Vision Panels

DoE mandated 'Lock down drills' require that occupants within the classrooms, offices and any occupied rooms including public assembly spaces are in an area that is not visible from the corridor. Elements to block vision into these rooms for use during such drills are required for sidelites and vision panels from corridors.

- Sidelites shall be provided with a chain and clutch operated opaque shade or manufactured spring-operated opaque screens on the room side of the sidelites.
- Door vision panels shall be provided with a manufactured door-mounted sliding panel or spring-operated opaque screens on the room side of door.

5.5 Doors

5.5.2 Rolling Grilles and Shutters in the Kitchen Areas (or Warming Pantries)

Description/Design Approach:

Roll**ing Grilles and** Shutters shall be provided with locks. The locks shall be on the kitchen side and easily accessible to **the** Department of Education - Office of School Food and Nutrition Services (OSFNS) personnel. **The kitchen equipment shall be laid out such that s**taff shall not have to move any equipment to reach the locking mechanism **of the grille or shutter**.

Roll**ing** Shutters shall be manually operated push-up type **for smaller units** up to 40 sq. ft. **in area and** crank type **for larger units** up to 12 feet **in length**. Roll**ing** Shutters **of** greater size**s** shall be provided with electric motors and manual override. If shutter is located in a fire-rated wall, provide fire-rated shutter as required by the New York City Building Code.

Rolling Grilles up to 12 feet in length shall be crank type. Rolling Grilles with lengths greater than 12 feet shall be provided with electric motors and manual override.

Rolling Grilles at serving lines **with low wall-mounted fixed tray slides** are to extend from the ceiling to the tray slide except at the milk dispenser, where **the grille** must extend from **the** ceiling to **the** floor.

Rolling Grilles at serving lines with equipment-mounted tray slides are to extend from the ceiling to the floor.

Requirement Applies to: ✔ **New Construction** ✔ **Major Modernizations** ✔ **Capital Improvement Projects**

5.6 Casework

5.6.1 Custom and Manufactured Casework

Description/Design Approach:

The following assemblies and materials shall be acceptable for casework in the rooms and spaces indicated. The Room Planning Standards indicate the required custom and manufactured casework for the different room types.

Rooms	Casework Item	Material
Classrooms, including special education classrooms, Occupational therapy/Physical therapy room, activity for daily living room, small group instruction room, reading resource room, Administration staff offices and support rooms	Wood Cabinets and Shelving.	All casework shall have wood finish except where laminate cladding is indicated on the drawings. For Students' Wardrobes, Teacher's Wardrobes and Materials Supply Closet, follow Design Requirement Section 5.2.2 for Interior Partitions.
Library	Wood Cabinets, Shelving and Rolling Trucks.	All casework shall have wood finish except where laminate cladding is indicated on the drawings.
Home Economics Room, Culinary Arts Classroom and Art Room Cabinets	Wall cabinets, base cabinets, countertops and utility cabinets.	Provide wood casework as per Standard Specifications Section 12302 – Manufactured Wood Casework. For Teacher's Wardrobes and Materials Supply Closet, follow Design Requirement Section 5.2.2 for Interior Partitions.
Science Rooms	Wall cabinets, shelving and base cabinets.	Provide Manufactured wood casework as per Standard Specifications Section 11600 – Laboratory Equipment.

Requirement Applies to: ✔ **New Construction** ✔ **Major Modernizations** ✔ **Capital Improvement Projects**

Rooms	Casework Item	Material
Shop Rooms	Base cabinets, shelving and utility cabinets.	Provide Manufactured wood or steel casework as per Standard Specifications Section 11500 – Shop Equipment. For Teacher's Wardrobes and Materials Supply Closet, follow Design Requirement Section 5.2.2 for Interior Partitions.
Music, Choral Music, Classrooms, Wireless Language Lab, Word Processing Lab, Language Lab, Distance Learning, CADD/Drafting Lab, Mechanical Drafting Lab, Hand Drafting Lab	Wood cabinets and shelving	All casework shall have wood finish except where laminate cladding is indicated on the drawings. For Teacher's Wardrobes and Materials Supply Closet, follow Design Requirement Section 5.2.2 for Interior Partitions.
Electronics lab	Storage cabinets	For storage cabinets follow Design Requirement Section 5.2.2 for Interior Partitions.
Music Instrument Storage and Practice Rooms	Instrument storage cabinets, utility cabinets and shelving.	Provide manufactured casework similar to that manufactured by 'Wenger'
Design Requirements to continue ... (Other specialty classroom requirements under investigation.)		

1. Partitions in Students' Wardrobes, Teacher's Wardrobes and Materials Supply Closet to comply with Design Requirements 5.2.2 and 1.3.2.3**.**

2. Doors to Students' Wardrobes, Teacher's Wardrobes and Materials Supply Closet to comply with Design Requirements for Interior Doors and Frames.

3. Interior of Students' Wardrobes, Teacher's Wardrobes and Materials Supply Closet to comply with specification section 06410, 05700.

4. Residential type cabinets will NOT be accepted.

5. **All projects which must comply with the NYC Green Schools Rating System must use composite wood products that contain no added urea formaldehyde, and no urea**

formaldehyde may be used in laminating adhesives used to fabricate on-site and shop-applied composite wood assemblies.

5.7 Windows

5.7.1 Window Shades and Draperies

Description/Design Approach:

A. Window Shades

Window shades are typically either single or double roller type shades made of shade cloth that is a close woven fiberglass fabric with double-coated vinyl plastic.
Single or double roller type shades operated with side cords are typically provided for double hung windows and Chain operated single roller type shades are typically provided for project in hopper windows.

As is typical of any window-shading device the purpose of the window shade is to provide privacy, darken a room, or to reduce sunlight, glare and heat transmission into the space.

Note: For specific detail of type and construction see Specifications.

1. Locations:

Window shades are typically provided for all interior spaces *except as follows*:

- Auditoriums
- Gymnasiums
- Kitchens (as well as other areas involving the preparation of food – *NYC Health Code*)
- Lobbies, Vestibules, Corridors and Stairs
- Natatoriums (pool areas)
- Toilets and Shower Rooms

B. Window Draperies (Principal's Office)

In addition to window shades, window draperies are typically provided in the Principal's Office to provide privacy, darken a room, or to reduce sunlight, glare and heat transmission into the space.

Provide one pair of window draperies and valances for each window opening.

Note: For specific detail of type and construction see Specifications.

C. Window draperies (Auditoriums)

As is typical of any window-shading device the purpose of the window curtain is to darken a room, or to reduce sunlight, glare and heat transmission into the space.

Provide one pair of window draperies and valances for each window opening.

Note: For specific detail of type and construction see Specifications.

5.7 Windows

5.7.2 Window Guards (Interior)

Description/Design Approach:

A. Provide interior wire mesh guards at the following locations:

1. Stairways
2. Corridors
3. Toilets
4. Gymnasiums/Gymatoriums

B. Interior window guards at an interior window must be placed so that there is sufficient clearance to operate the window (allowing room for operation of the window).

C. Wire mesh guards are not required for corridor windows with key operated custodial locks **nor at fixed/inoperable stair windows**.

D. For protection of glazing from ball playing, interior window guards shall be provided for all gymnasium/gymatorium windows.

E. If exterior window guards are provided at the locations mentioned above for intrusion/protection of glazing from ball playing activities in play yards, additional interior guards might not be required. However, the followings are the exceptions;

1. Any unsupervised areas subject to vandalism within the building will require interior window guards for protection of glazing on windows.

2. Any areas with ball playing activities can happen will require interior window guards for protection of glazing on windows.

5.8 Information Specialties

5.8.1 Interactive Whiteboards

Description/Design Approach:

A. General

1. For new buildings and additions, Interactive Whiteboards (IWB) are to be provided in rooms of instruction including typical classrooms, **3-K,** pre-K and kindergarten classrooms, special education classrooms, Occupational Training and Physical Training (OTPT) room, specialty rooms i.e. art, music and science rooms, shops, labs, lecture rooms, libraries and resource rooms. For CIP projects**,** IWBs are to be provided for rooms created or remodeled that require such board per the Room Planning Standards.

2. The Interactive Whiteboards will be supplied by the SCA and will be installed by the General Contractor. The type of IWB is to be shown on the drawings and submitted to FF&E for their review and use**.**

B. Types Available for wall mounted IWB and sizes, based on current models

- Adjustable-height monitor (by Promethean) - 75” diagonal
- Adjustable-height monitor (by Smart) – 75” diagonal
- Fixed-height monitor (by Promethean) – 70” diagonal

C. Selection Criteria

1. Capacity Projects

- Rooms of Instruction: A wall-mounted adjustable-height monitor is to be provided in each room of instruction for new stand-alone Capacity Projects and Capital Improvement Projects (CIP).

- Library: An adjustable-height wall-mounted monitor is typically to be provided for the library.

- Cafeteria: A fixed-height monitor (70**”** by Promethean) is to be provided**.**

2. CIP Projects/Addition Projects

Generally, an adjustable-height monitor (by Promethean) is to be provided in Rooms of Instruction and the Library. However, since schools likely have fixed-height IWB (by Smart) in existing classrooms, selection of the type of IWB, adjustable (Promethean) or adjustable (Smart), is to be based on the Principal’s preference, as Smart software will be familiar to the current users.

3. 3-K and UPK Center Projects

3-K and Pre-Kindergarten classrooms in **3-K and** UPK center projects: A fixed-height monitor (70**”** by Promethean) is to be provided.

D. **Location**

For all rooms of instruction, the Interactive Whiteboard is to be located along the front/teaching wall and shall be wall mounted.

E. Electrical Requirements

One quad receptacle is required

- For adjustable-height**,** refer to Standard Detail 1677101a for outlet type and location.
- For fixed-height with projector, refer to Standard Detail 1677101b for outlet type and location
- For fixed-height in **3-K and** UPK center projects, refer to Standard Detail 1677101c for outlet type and location.

F. **Exclusion**

Interactive Whiteboards are not required in:

- Places of assembly, i.e. auditoriums, gymatoriums and multi-purpose rooms.
- Physical education rooms, i.e. gymnasiums, dance classrooms, weight-training rooms, etc.
- Culinary art rooms, stagecraft labs, science prep rooms, plant rooms, LYFE Centers and activity for daily living**.**
- Administrative, student support, custodial, food service and storage areas.