School Construction Authority

Log of Deviation Not Accepted

Standards No. (DR, SP, SD, RPS)	CSI Code (Predominant)	Description of the item/issue	SCA Standard	Proposed Design	Project Specific Approval (Y/N)	Acceptance for Alternative to SCA Standard (Y/N)	SCA Determination/Comments, including any special project circumstances
DR 1.3.4.4		Interior stair landing - VCT	Ceramic floor tiles at the stair landings	Use of VCT to match the adjoining corridors.	No	No	Code requirement
DR 2.1.1		Pavement - Glass block	Concrete or asphalt paving in courtyards	Glass block pavers in precast concrete panels are proposed in the courtyard above the Student Dining Room	No	No	Disapproved due to cost impact. Water infilteration is a potential problem
DR 2.1.1		Pavement - Imprints/stamps	Non-colored pavement	Colored Concrete Pavement with custom imprints/stamps	No	No	
DR 2.1.1		Play yard - Concrete unit pavers	Asphalt pavement, full depth in Play yards.	Concrete unit pavers to be used in Play yard.	No	No	Continuous smooth surface preferred
DR 2.2.1		Fencing - Ametco sheild	6'-8' high wrought iron fence required for use on property line and 16' high chain link fence along adjacent properties and streets fronting play areas.	Ametco Shield Design fence 10 feet above Play Yard surface proposed along interior property lines in lieu of chain link fence.	No	No	
DR 2.2.1		Fencing - Ball playing	16’ high chain link fence	A 16’-0” high wrought iron fence is proposed at the interior property line of the general playground in lieu of chain link.	No	No	Not secure for ball playing
DR 2.2.1		Fencing - Steel panel	6'-8' high wrought iron fence required for use on property line and 16' high chain link fence along adjacent properties and streets fronting play areas.	Boundary Perimeter Fencing – 8’-0” Height Steel Panel Grating Style ("Orso Grille")Fence & Gate	No	No	
DR 2.2.1		Fencing - Aluminum panels	6'-8' high wrought iron fence required for use on property line and 16' high chain link fence along adjacent properties and streets fronting play areas.	Cut aluminum panels creating shadow forms of the alpha and numeric identification of school designation i.e. school number	No	No	School number/designation can change at any time
DR 2.2.1		Fencing - Curved decorative	6'-8' high wrought iron fence required for use on property line and 16' high chain link fence along adjacent properties and streets fronting play areas.	Custom curved decorative fence	No	No	
DR 2.3.2		Flagpole - Custom	Aluminum material and Uniform conical shape - standard off the shelf item	Custom flag pole constructed of aluminum utilizing standard flag pole equipment.	No	No	
DR 2.5.1		Landscaping - Planting species	low maintenance, low water, and drought resistant planting	Bamboo is proposed along the southern edge of the Play Yard. It is low maintenance and evergreen. Bamboo planting in fully contained raised concrete planters.	No	No	Bamboo is invasive
DR 3.3.2		Structural floor/framing - Deck fireproofing	6 1/4" composite deck- 3" metal deck with 3-1/4" LW concrete to provide sufficient rating to avoid fireproofing metal decks.	Use spray-on fireproofing on all deck. There is not room within the floor sandwich for the additional 1.5" of NW concrete required to avoid fireproofing.	No	N	
DR 4.1.1		Building façade - Curtain wall	Use of curtain wall on stand alone new building project precluded due to detailing, construction, and cost issues.	Aluminum curtainwall and storefront for approx. 11% of exterior wall area has been proposed as means of defining one of the primary design gestures of the building. This system follows the SCA standard specification section 08920	No	No	Use of curtain wall on new building projects precluded due to detailing, construction, and cost issues
DR 4.1.1		Entrance canopy - EPDM roofing	Material and design for SCA review Canopies but no Marques	The use of EPDM for the roof of the new entry canopy	No	No	
DR 4.1.1		Canopies - cladding	All canopy types, materials, sizes and locations are subject to approval by the Authority.	Canopy cladding material - Steel tube structure clad in painted aluminum panels and built-in gutters at Gymatorium and Entries	No	No	

Standards No. (DR, SP, SD, RPS)	CSI Code (Predominant)	Description of the item/issue	SCA Standard	Proposed Design	Project Specific Approval (Y/N)	Acceptance for Alternative to SCA Standard (Y/N)	SCA Determination/Comments, including any special project circumstances
DR 4.1.1 **DR 4.3.1**		Canopy/Sun shade	All canopy types, materials, sizes and locations are subject to approval by the Authority. Window shades at windows	Canopy/Sun shade at Library.	No	No	
DR 4.1.1 **DR 4.2.4**		Building façade - Channel glass	Glass block- limited quantity	Channel glass is proposed in select areas in lieu of glass block.	No	No	
DR 4.2.1		Exterior wall - Brick bond	Brick masonry in running bond with control joints 25' o/c	Continuous vertical mortar joints - stack bond- are proposed on the 3'-4" building module in the masonry wall	No	No	Disapproved due to constructibility and cost impact of cutting bricks. Difficulty of quality control of the plumbness of the vertical joint is a concern
DR 4.2.1		Parapet material	Face brick with concrete backup	Exterior Glass guardrails	No	No	
DR 4.2.1		Exterior wall - Storefront system	Brick exterior with CMU cavity wall back-up	Storefront System: Main office	No	No	
DR 4.2.1 **DR 4.6.1**		Exterior wall, main entrance - Aluminum curtain wall	Brick veneer with CMU backup and Steel, Alum or FRP doors	Curtain wall at main entrance	No	No	Use of curtain wall on new building projects precluded due to detailing, construction, and cost issues
DR 4.2.1.		Parapet - Aluminum coping	Cast stone copings	Aluminum copings at parapets	No	No	
DR 4.2.2		Graffiti control - Height	Graffiti control coating to be used on brick façade to height of 10'	No graffiti control on brick façade	No	No	Anti-graffitti coating is mandatory.
DR 4.3.1		Windows -Colored glazing	Clear glazing	Five different colors to be used. Total coverage: 3,008 sf.	No	No	
DR 4.3.1		Windows - Bay window	Fix/Projected windows	A bay window opposite the classroom entry door is proposed in Pre-Kindergarten classrooms	No	No	
DR 4.3.1 **SS 08524**		Windows - Spandrel glazing	Interior-glazed windows	Windows are proposed to have exterior-glazed panes at spandrel conditions, with interior-glazed panes at vision glass.	No	No	
DR 4.3.1 **SS 08524**		Windows -Casement	fix/hopper combination Max window size 5' x 10'	4'-0"w x 7'-2" fixed vision light over a 4'-0"w x 2'-9"h fixed spandrel glass panel next to 1'-8"w x 7'-2" h casement vent over 1'-8" w x2'-9"h spandrel panel. Entire configuration set in a 2" thick x 1'-2"deep exterior aluminum frame. Manufacturer equal to Pioneer Series 4000	No	No	Height limitation for casement windows and function not preferred for school children
DR 4.3.1 **SS 08524**		Windows - Glazing-Cafeteria	1" -1 1/2" thick Laminated insulated glass with low-e coating. Each laminated pane made of 1/8" thick annealed glass and .06 thick clear PVB interlayer	Impact resistant glazing at the windows between the cafeteria and the play area to provide clear natural light into the cafeteria space below. outer lite of lexan with a Margard MR15 coating to stand up to high impacts.	No	No	Maintenance issue with polycarbonate; Polycarbonate cannot be part of the IGU unit
DR 4.4.1.2		Roof top play area enclosure - welded wire	Mesh enclosure with 2" max opening	Welded Wire or "Orso grille" Panels installed as the enclosure for the Play Roof.	No	No	Concern that the WWP looks too "jail-like".
DR 4.4.1.2 **SS 02860**		Rooftop play area -Safety Surface	Molded solid rubber safety surface anchored to the substrate	Interlocking Unitary Rubberized Safety Surfacing . Proposed system that is applied over an adjutable deck pedestal and roof paver systems. Intent is for a single source vendor to provide an all inclusive warranty for entire system.	No	No	System is Proprietery
DR 4.4.3.1		Roof Access - Alternating tread stair	Access to main roof for buildings that are two or more stories shall be provided via a code compliant enclosed stair	Access to main roof will be via exterior alternating tread stair to access PV panels.	No	No	DSF rejects alternating tread stair, requests ships ladder

Standards No. (DR, SP, SD, RPS)	CSI Code (Predominant)	Description of the item/issue	SCA Standard	Proposed Design	Project Specific Approval (Y/N)	Acceptance for Alternative to SCA Standard (Y/N)	SCA Determination/Comments, including any special project circumstances
DR 4.4.3.1		Roof access - Hatch	Access to main roof for buildings that are two or more stories shall be provided via a code compliant enclosed stair	Roof access hatch to fourth floor roof and direct door access to mechanical penthouse boiler rooms.	No	No	
DR 4.6.1		Exterior doors - Curtain wall system	Steel, Alum,or FRP entry door	Alum frame doors within Curtain wall	No	No	Use of curtain wall on new building projects precluded due to detailing and construction issues
DR 4.2.1		Exterior wall finish - metal panel-tool shed	Brick veneer	The use of metal panels for an exterior storage shed at the rear low roof area.	No	No	Use more durable product that will not dent or scratch
DR 5.1.1		Gymatorium - Wood batten ceiling	Round ducts and no ceiling or tectum ceiling and square ducts	Wood Battens on Fabric Faced Acoustical Panels for gymatorium Ceiling. The proposed detail deviation provides an aesthetically more pleasing wall and ceiling solution for a combination Gym and Auditorium. The acoustic panel back up will help to mitigate sound transmission to adjoining spaces	No	No	This particular gymatorium will be used primarily as a gym. As such, ceiling should be either flat with tectum ceiling panels or no ceiling at all w/ exposed ductwork.
DR 5.1.1		Interior finishes- corridor- full height "Trespa panels"	Interior Finishes-Corridor Wall Finish is ceramic tile wainscot to top of door frame with semi gloss paint above	Core area corridor wall finish - Propose to use Trespa Virtuon FR composite wall panels (or equal) full height on the corrdidor wall surfaces	No	No	
DR 5.1.1		Interior finishes - Corridor - "Corian"	Ceramic tile wainscot to top of door	Cladding the corridor side surfaces of the Auditorium with a solid-surfacing material such as Corian	No	No	Vandalism issues with Corian
DR 5.1.1		Interior finishes - Corridor - wood veneer panels	Ceramic tile wainscot to top of door	Wood veneer wall panels on corridor side of Gymatorium walls	No	No	
DR 5.2.2		Interior partitions - wall @ Gymatorium stage-wood panels	Painted gypsum wall board	Decoustics Solo Plank wood finished acoustical tongue and groove plank units applied to wall around stage opening in Gymatorium. Proposed area 865 SF.	No	No	Not approved at the Gymatorium. SCA does not see the acoustic benefit of providing these panels @ the proscenium. Acoustic finishes are usually applied to walls facing the stage.
DR 5.2.2 **DR 5.5.1** **SD 080000b**		Interior partitions -Clerestory window	GWB partitions@ corridor. Classroom doors - with vision panel plus sidelite or Transom	Clerestory glazed lites on one side of the typical corridors and a glazed vision sidelight adjacent to eligible classroom doors. The Clerestory and sidelight glazing above shall be clear laminated and insulated for acoustical control. The framing of the clerestories and sidelights shall be steel hollow metal framing painted in the field. Electrical wiring shall be brought to the wall area below the clerestory from the columns along the corridor wall where the clerestory does not exist.	No	No	The structural tube framing is cost prohibitive as compared to our standard metal stud partition. Although we encourage use of borrowed light thru transoms, the amount of transom windows proposed is excessive and will not meet the corridor wall acoustic requirement.
DR 5.3.1		Floor finish - Cafeteria - Porcelain Floor Tiles	VCT	Large Porcelain Floor Tiles in lieu of standard VCT at Cafeteria floor.	No	No	Disapproved due to cost impact.
DR 5.3.1		Floor type - Lobby - fire rated glass	Concrete floor with appropriate floor finish	Fire Rated Glass Floor in Lobby	No	No	Cost and long term maintenance
DR 5.3.1		Floor types - Cafeteria - terrazzo tile or poured terrazzo	Vinyl composition tile standard size: 12"x12"	Terrazzo tile at cafeteria floor	No	No	Cost
DR 5.3.1		Floor types - Corridor -poured epoxy terrazzo	VCT	The classroom corridor, fire stairs floor finishes to be epoxy terrazzo	No	No	Cost
DR 5.3.1		Floor types - Lobby - poured epoxy terrazzo	Terrazzo tile, Quarry Tile, or Porcelain Tile.	Poured in place Epoxy Terrazzo	No	No	Cost

Standards No. (DR, SP, SD, RPS)	CSI Code (Predominant)	Description of the item/issue	SCA Standard	Proposed Design	Project Specific Approval (Y/N)	Acceptance for Alternative to SCA Standard (Y/N)	SCA Determination/Comments, including any special project circumstances
DR 5.3.1		Floor types - Gymatorium - rubber floor tile	Resilient wood floor	Recycled Rubber floor tile and recycled rubber resilient underlayment: at the Gymatorium to provides increased acoustical isolation for classroom spaces below. For the exercise room, the padded floor surface provides means of reducing fall related injuries.	No	No	Perceived Environmental issue
DR 5.4.1		Suspended ceiling - cafeteria-Gypsum board	2'x4' lay-in acoustical tile ceiling with recessed 2' x 4' fluorescent luminaries	Gypsum board ceiling with recessed strip fluorescents	No	No	Access to ceiling and acoustics an issue
DR 5.4.1		Suspended ceiling - Corridor - gypsum board	Lay in ACT	Corridors -- Use gypsum board for corridor ceiling cove.	No	No	Quality of construction
DR 5.4.1		Suspended ceiling - Corridor - lower gypsum board	lay in ACT	Lower GWB ceiling with downlighting above grouped entrances to classrooms.	No	No	Lower ceiling and can potentially block exit signage
DR 5.4.1		Suspended ceiling - Student cafeteria-Perforated metal panel	Lay in acoustical	A Perforated Acoustical Metal panel Ceiling with a concealed suspension system and acoustic fleece backing installed in the Student Dining on the 2nd floor. Perforation pattern shall be staggered with 10% to 20% openness. Finish colors shall be "Bright White" high performance factory finish.	No	No	Cost and long term maintenance
DR 5.5.1		Interior doors - Classroom- No Vision panel	Classroom doors to have vision panels of 720 sq in.	Typical classroom entrances to have solid wood doors with hollow metal sidelight painted with accent color. Door ways to classrooms at corridor intersection to have larger sidelights and transoms.	No	No	Classroom door must always have a vision panel
DR 5.5.1		Interior doors- classroom-round vision panel	Rectangular vision panels	Round "porthole" windows in hollow metal classroom doors in lieu of rectangular vision panel in wood doors.	No	No	Simplicity of construction
DR 5.5.1 SD 0811000a		Interior doors - Sizes	6'-10" or 7'-0" high	9'-8" a high cross corridor doors in 10'-0" high HM frames	No	No	Avoid custon sized doors
DR 6.1.15		Gas Boosting System	A typical gas riser diagram should indicate three separate supply lines: one for the boilers and rooftop units, a second for the water heater and third for cooking appliances and the science labs.	One central riser with seperate branch lines to the lab equipment, rooftop equipment and heater, and kitchen.	No	No	SCA standard facilitates separate approvals
DR 6.1.07 SS 02900		landscaping - irrigation	Hose Bibbs at building perimeter	Installation of Potable Irrigation System for Green Roof/Vegetable Garden planters	No	No	Irrigation systems do not meet SCA GSG requirements
DR 6.2.09		Heating and Cooling Design Parameters	The fresh air requirements per occupant shall be the maximum of the NYCDOB Code ventilation requirements as compared to 30% over the outdoor air requirement of ASHRAE 62.1-2004 Ventilation	The NEW NYCDOB Code references the table for ventilation based on IMC 2003 which will be more than the ASHRAE 90.1 2004 ventilation requirements. A variance is requested to use the lower of the two ventilaiton values.	No	No	SCA GSG requirements must be met
DR 6.2.6		Convectors- stair	Wall hung hot water fin tube radiation may be used in the stairway landings.	Heating/cooling fan coil units are used in stairwells where fenestration may cause unacceptably high temperatures in the summer.	No	No	Cooling in stairs will not meet Energy Code
DR 7.0		Cable trays in classroom ceilings	Cable trays are typically run in corridor ceilings	Cable tray locations located above classroom ceilings	No	No	Cable trays will be interrupted by demising walls and may compromise classromm acoustics
DR 7.1.5		Lightning Protection	Multiple air terminals mounted on the perimeter of the parapet walls.	Single lightning protection air terminal at the mechanical penthouse roof.	No	No	SCA standard maximizes protection

Standards No. (DR, SP, SD, RPS)	CSI Code (Predominant)	Description of the item/issue	SCA Standard	Proposed Design	Project Specific Approval (Y/N)	Acceptance for Alternative to SCA Standard (Y/N)	SCA Determination/Comments, including any special project circumstances
DR 7.2.1		Interior Lighting-light loss factor	Light loss factor of 0.75 for classrooms Light loss factor of 0.7 for site room reflectance of 80/50/20 (Ceiling/walls/floors)	Revised light loss factor 85/70/40 room reflectance factor	No	No	85/70/40 room reflectance factors are not attainable.
DR 7.2.1		Interior Lighting - cafeteria	Recessed 2'x4' fluorescent lighting fixture	Cafeteria lighting: suspended fixtures arranged in random pattern. 3-Lamp Lightolier SQ6 Fixture.	No	No	Suspended fixtures in cafeteria has maintanence issues
DR 7.2.1		Interior lighting - classroom-wall mounted	Direct/indirect, ceiling pendant fluorescent fixtures	Use of wall mounted luminaire in classrooms	No	No	Wall mounted not preferred
DR 7.2.1		Interior lighting - Fixture type	Fixtures lighting distribution shall be 70-80% up and 20-30% down.	NYC Green School Guidelines Q7.3 recommends either fully indirect (>90% uplight), semi-indirect (60-90% uplight), or direct-indirect (40-60% uplight). Recommend allowance to use any of these designations for flexibility of design to meet illuminance target	No	No	
DR 7.2.1		Interior lighting -Gymnasium - Linear wall wash	High Bay multi-lamp compact fluorescent fixture with impact resistance lens.	Use of linear wall wash in Gymnasium	No	No	Quality of construction
DR 7.2.1		Interior lighting -Lighting Controls	All lighting shall be controlled by programmable lighting control panel with integral timeclock, except for the emergency lighting.	Lighting controlled by occupancy sensors does not require relay panel control.	No	No	
DR 7.2.1		Interior lighting- stair	Wrap around fixture	Planned with recessed T8 fluorescent lamp fixture in Stair.	No	No	Constructibility issues
DR 7.2.1		Interior lighting-corridor-Linear wall wash	2' x 4' recessed fixture.	Use of linear wall wash in corridor in addition to the SCA standard 2' x 4' fixture.	No	No	Redundant fixtures
DR 7.2.1		Interior lights -Cafeteria	2’ x 4’ fluorescent lights	Use compact fluorescent downlights at cafeterias.	No	No	Maintenance
DR 7.2.1		Interior lights- Gymatorium-Uplighting	High Bay multi-lamp compact fluorescent fixture with impact resistance lens and wire guard	Uplighting on timers proposed in Gymatorium.	No	No	Timers not acceptable
DR 7.2.1		Interior lights- stair -accent lighting	4' fluorescent lighting fixture, wrap around, with vandal resistant lens	Accent lighting on timers proposed.	No	No	Timers not acceptable
DR 7.2.1		Reduced illuminance at corridor	20 FC @ 18” AFF 0.5 W/ft2	Reduced illuminence requirment at corridors	No	No	Safety concerns
DR 7.2.1		Interior lighting - Cafeteria- wall washers	Recessed 2'x4' fluorescent parabolic fixture with 18 cells	Use of linear wall wash in cafeteria	No	No	Quality of construction
DR 7.2.1		Interior lighting - Gymnasium-linear flourescents	High Bay multi-lamp compact fluorescent fixture with impact resistance lens.	Use of linear multi-lamp fluorescent luminaire in GYM	No	No	Maintenance
DR 7.2.5		Exterior lighting- play yard	none for play yard	Recessed seatwall lights at Play Yard.	No	No	Maintenance
DR 7.2.5		Exterior lighting- play yard	none for play yard	In-grade flood lights installed flush in top of seatwall.	No	No	Maintenance
DR 7.3.11		IP Digital Video Surveillance System	Use analog cameras with powered NVT baluns connected to Verint encoders	IP Cameras will be used in place of analog cameras and video encoders	No	No	
DR 7.3.11 **SS 02870**		IP Digital Video Surveillance System, Site Furnishings	Cameras at selected outdoor locations (to cover playground, atheletic field, main entrances, loading docks, parking lot) additional cameras may be used to monitor sensitive areas such as: vestibules, storage areas, etc.	Installation of Outdoor Cameras to stream videos for progress of roof garden's vegetable plantings	No	No	Maintenance

Standards No. (DR, SP, SD, RPS)	CSI Code (Predominant)	Description of the item/issue	SCA Standard	Proposed Design	Project Specific Approval (Y/N)	Acceptance for Alternative to SCA Standard (Y/N)	SCA Determination/Comments, including any special project circumstances
RPS Group 7		Vestibule heating- Aircurtain	At the two main entrance vestibules, provide hot water cabinet unit heaters only.	At main entrance vestibules, in addition to the hot water cabinet unit heaters, provide air curtains mounted above the doors.	NO	No	Not acceptable due to energy considerations
RPS 4-90		Floor mounted AV receptacles	Wall mounted A/V receptacles	Provide floor boxes for A/V receptacles	No	No	Maintenance
RPS Group 7		HS Corridors-Quantity of lockers	Locker count to provide 125% adjusted capacity in P.O.R.	Lockers provide 107% adjusted capacity in P.O.R.	No	No	Reduced capacity not acceptable
SD 042022C		Windows- jamb detail	1" windbreak at masonry opening	No wind break at Typical Window Jamb	No	No	
SS 02900		Soil - type at trees	Top soil CU-Structural Soil®	Subsurface Modular Cell Systems for Trees	No	No	
SS 05710		Railing- material at auditorium balcony	No specific material	Glass panel system at balcony	No	No	Maintenance
SS 16771		Projector - auditorium	Ceiling mounted front projectors	Rear projector at Gymatorium stage	No	No	Comply with SCA standard.