Appendix "D"
Phases of Service and Deliverables Schedule

PHASE SUBMISSION REVIEW: (Updated 8/29/2016)

SDP Site Review by		Project Name	
SDP Architectural Review by		Design Consultant	
SDP Structural Review by		Date of Submittal	
SDP Interiors Review by		Date of Review	
SDP HVAC Review by		Status following Review	
SDP Plumbing Review by			
SDP Electrical Review by			
SDP Fire Supression Review by			
SDP Kitchen Equipment Review by			
SDP Technology Review by			

Required Elements of Phase Submission	Y, N NA	SDP Reviewer's Comments	Design Consultant's Response	Approval by SDP
Program and Concept Confirmation Phase:				
1.00 Program of Requirements (POR):				
1.01 Meet with School and confirm scope of work				
1.02 Submit variance requests to SDP for approval				
1.03 Submit POR worksheet to SDP for approval				
1.04 Provide narrative of POR detailing the Basis of Design				
1.05 CM POR sign-off				
1.06 School POR sign-off				
2.00 Code and Standards Review:				
2.01 If building alteration project, perform preliminary analysis of Level 1, 2 or 3 alteration per International Existing Building Code				
2.02 If building is historic, provide analysis of affect on project of Chapter 10 if Inernational Existing Building Code				
2.03 Analysis of occupancy classifications				
2.04 Analysis of Construction Type(s)				
2.05 Analysis of fire/smoke separations				
2.06 Analysis of accessibility (ADA)				
2.07 Analysis of Life - Safety elements				
2.08 Analysis of egress components				

2.07	Evidence of determining type of Art Commission review will be required (staff sign-off, administrative approval or formal presentation)			
2.08	Evidence of determining if Historic Commission approval will be required			
2.09	Evidence of determining if project will require Zoning Board of Adjustment approval(s)			
2.10	Evidence of determining if project will require Fairmont Park Commission Approval			
3.00	**Building Assessment Confirmation:**			
3.01	Submit assessment exceptions to SDP			
4.00	**Design Concept Confirmation:**			
4.01	Narrative of agreement with and/or exceptions taken to Design Concepts			
4.02	Bubble diagrams depicting modifications due to exceptions taken to Design Concepts			
5.00	**Utilities Review:**			
5.01	Narrative of suitable availability of gas			
5.02	Narrative of suitability of steam			
5.03	Narrative of suitability of water			
5.04	Narrative of suitability of sanitary sewer			
5.05	Narrative of suitability of storm water sewer			
5.06	Narrative of suitability of electric power			
6.00	**Estimate:**			
6.01	Analysis of Conceptual Estimate			
7.00	**Phase Submission Sign-Off:**			
7.01	School Phase Submission Sign-Off			

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SDP Site Review by	
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Project Name	
Design Consultant	
Date of Submittal	
Date of Review	
Status following Review	

Schematic Design Phase:

Required Elements of Phase Submission	Y, N NA	SDP Reviewer's Comments	Design Consultant's Response	Approval by SDP
1.00 Schematic Site Plan (including):				
1.01 Location of building(s)				
1.02 Site development concepts including paving, walks, parking, ramps, stairs and landscape elements				
1.03 Identification of accessible routes in compliance with ADA				
1.04 Concept of traffic patterns				
1.05 Preliminary grading concepts				
1.06 Concept for addressing storm water				
1.07 Site utilities				
1.08 Site demolition				
1.09 Zoning Requirements				
2.00 Schematic Floor Plan(s):				
2.01 Building layout showing each space, location of walls and partitions, doors, windows, and elements of egress				
2.02 Identification of SF of exterior glass area and ventilated sash				
2.03 Identification of each space, net area and programmed area				
2.04 Dimensioning of all critical elements showing conformance with standards				
2.05 Preliminary finishes schedule				
3.00 Life Safety / Code Compliance:				
3.01 If alteration project, confirm level of alteration per International Existing Building Code				
3.02 If a Level 3 Alteration Project, perform a compliance alternatives analysis per Chapter 12 of the International Existing Building Code, and base design for code compliance on most advantageous alternative (Chapter 12 or prestrictive requirements of Chapters 5, 6 & 7)				
3.02 If building is alteration of historic structure, apply relavant elements of Chapter 10 of International Existing Building Code				

3.03	Identification of all rated and smoke walls / partitions by type				
3.04	Identification of Code designated occupancy classification of each space				
3.05	Identification of occupancy load for each space for egress and ventilation				
3.06	Designation of areas requiring limited area sprinklers				
3.07	Tabulation of existing fire separation and building areas compared to code allowable				
3.08	Identification of required and provided egress loads for major exitways and exits				
3.09	Identification of accessible routes in compliance with ADA				
3.10	Identification of code required plumbing fixtures vs. number of fixtures provided				
4.00	**Schematic Building Section(s):**				
4.01	Identify roofing system, insulation, deck, drainage technique and provide overall combined heat transfer coefficient				
4.02	Identify exterior wall construction and provide overall combined heat transfer coefficient				
4.03	Provide preliminary data related to roof and floor decks and structural supporting elements				
4.04	Identify ceiling systems & materials				
5.00	**Schematic Building Elevations:**				
5.01	Show all existing and new exterior shell materials				
5.02	Designate areas of renovation required for existing materials				
5.03	Show all doors, windows and other openings				
6.00	**Schematic Structural Plan(s):**				
6.01	Identify structural system with overall dimensioning and preliminary size of structural elements				
6.02	Identify foundation system(s) with preliminary size of elements				
7.00	**HVAC and Plumbing Plan(S):**				
7.01	Show all mechanical and plumbing equipment spaces				
7.02	Show all major mechanical equipment and plumbing fixtures				
8.00	**HVAC and Plumbing Narrative:**				
8.01	Provide detailed narrative of proposed HVAC, plumbing and fire protection systems				
8.02	Provide initial listing of HVAC, plumbing & fire protection components and systems that will be subject to Commissioning.				
9.00	**Electrical Plan(s):**				
9.01	Show conceptual solutions for lighting, power, fire alarms, communications and technology				
9.02	Show all major electrical equipment				

9.03	Preliminary one-line electrical distribution diagrams. Indicate preliminary location of service entry, switchboards, motor control centers, panels, transformers, emergency generators, etc.				
9.04	Provide initial listing of electrical and technology components and systems that will be subject to Commissioning.				
10.00	**Design and Construction Standards:**				
10.01	SDP Variance(s) have been granted for any and all deviations from the Design and Construction Standards				
10.02	Design meets all requirements of the SDP Design and Construction Standards				
11.00	**Estimate:**				
11.01	Design Consultant's Statement of Probable Construction Cost				
11.02	Design Consultant's Analysis of Probable Construction Cost prepared by CM				
11.03	Design Consultant's and CM's sign-off on reconciliation of Statements of Probable Construction Cost.				
12.00	**Presentation:**				
12.01	Provide color / finish boards showing acceptance by School				
12.02	Rendering depicting the design				
12.03	Scale model of design				
13.00	**Regulatory Agency Approval Process:**				
13.01	Provide evidence of conference meeting with Art Commission				
13.02	Provide evidence of application for Art Commission approval				
13.03	Provide evidence of conference meeting with City Streets Department				
13.04	Provide evidence of conference meeting with SEPTA				
13.05	Provide evidence of conference meeting with Fairmont Park Commission				
13.06	Provide evidence of conference meeting with City Planning Department				
13.07	Provide evidence of conference meeting with Fire Department				
13.08	Provide evidence of conference meeting with City Health Department				
13.09	Provide evidence of conference meeting with City License & Inspections				
13.10	Provide evidence of conference meeting with City Historic Commission				
13.11	Obtain Plancon Schematic Approval				
14.00	**Phase Submission Sign-Off:**				
14.01	Construction Manager's Phase Submission Sign-Off				
14.02	School Phase Submission Sign-Off				

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SDP Technology Review by			

Required Elements of Phase Submission	Y, N NA	SDP Reviewer's Comments	Design Consultant's Response	Approval by SDP
Design Development Phase:		Note: Documents at the end of this phase are approximately 60% Construction Document Status		
1.00 Site Plan(s):				
1.01 Show and dimension lot lines, right-of-ways, easements and zoning set-backs				
1.02 Show and dimension all existing site elements and buildings scheduled to remain. Include target elevation of building floor with both USGS elevation and Elevation used on building plans				
1.03 Identify existing site elements and buildings scheduled for demolition				
1.04 Show, identify and dimension all site improvements (paving, walks, curbs, storm structures, fencing, etc.)				
1.05 Show, identify and dimension all above and below grade utilities				
1.06 Show bench mark(s)				
1.07 Show and label all proposed contours and tie to existing.				
1.08 Provide spot elevations on pavements, curbs, walks, storm and sanitary structure rims				

1.09	Identify routes of accessibility (ADA) including notation of degree of slope(s)			
1.10	Indicate and dimension all pavement markings			
1.11	Show, identify and dimension stormwater management design			
1.12	Show, identify and dimension landscape design elements			
1.13	Provide references to related details			
2.00	**Site Details / Sections / Schedules:**			
2.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all design work has been completed for every site work element			
3.00	**Life Safety / Code Compliance:**			
3.01	If alteration project, provide notes on Drawings addressing permitted code allowances (differences from building code requirements for new buildings) that apply to this project through the International Existing Building Code.			
3.02	If Level 3 alteration project that uses the alternative compliance method of Chapter 12 of the International Existing Building Code, incorporate completed evaluation forms on the Drawings.			
3.03	Identify each building area with allowable vs. actual tabulated areas			
3.04	Identify each type of rated and smoke wall / partition identifying type of construction with UL or other approved code designation			
3.05	Identify occupancy type of each space, occupant load for egress and occupant load for ventilation			
3.06	Identify egress load of every door required for egress, exit access passage / corridor and exit way			

3.07	Identify stair tower construction including all opening assemblies				
3.08	Identify areas of refuge				
3.09	Identify accessible routes of travel				
3.10	Show compliance of ADA required clearances				
3.11	Identify areas of fire suppression systems including limited area sprinklers				
3.12	Show locations of fire extinguishers and stand pipes				
3.13	Identify requirements for exit lights, emergency lights and night lights for each space				
3.14	Show location of fire alarm devices				
3.15	Identify code requirements for toilet fixtures and show compliance including ADA compliance				
4.00	**Demolition Plan(s):**				
4.01	Identify items scheduled for demolition				
4.02	Provide references to related details				
5.00	**Architectural Floor Plan(s):**				
5.01	Locate all walls and partitions showing all openings				
5.02	Locate all fixed and loose equipment				
5.03	Show and identify all opening assemblies providing door and window numbers (or types)				
5.04	Show and identify elements of vertical circulation (stairs, elevators & ramps)				
5.05	Fully dimension partitions and walls				
5.06	Provide room numbers and identification of each space including net area for space and programmed area for space (areas may be in schedule format)				
5.07	Provide complete section cuts and detail references to related sections and details				
6.00	**Interior Finishes Floor Plan(s):**				
6.01	Show, identify and dimension all flooring including patterns				

6.02	Identify and dimension all fixed and loose equipment			
6.03	Locate, identify and dimension marker / tack / chalk boards			
6.04	Provide references to related details			
7.00	**Reflected Ceiling Plan(s)**			
7.01	Show, identify and dimension all ceiling types. Indicate grid layout.			
7.02	Show location of major ceiling penetration and surface-mount devices (light fixtures, diffusers, grilles, etc.)			
7.03	For ceilings of variable height, provide spot elevations of ceiling			
7.04	Show, identify and dimension bulkheads and soffits			
7.05	Provide references to related details			
8.00	**Roof Plan(s):**			
8.01	Show, identify and dimension all major roof elements (expansion joints, roof drains, roof mounted equipment, scuttles, etc.)			
8.02	Indicate slope			
8.03	Provide thermal coefficient for each roof area for total roof assembly			
8.04	Provide references to roofing and flashing details.			
9.00	**Building Elevations:**			
9.01	Provide building elevations of all exterior wall areas requiring work (including referbish work).			
9.02	Show and identify each type of material (identify existing and new)			
9.03	Show all doors, windows, louvers and other openings			
9.04	Show, identify and dimension control joints and expansion joints			
9.05	Detail scope of area for referbish work			
9.06	Provide dimensioning required for a clear understanding of requirements by contractor			

9.07	Provide references to related details			
10.00	**Interior Elevation(s):**			
10.01	Provide Interior Elevations of all walls or sections of walls that have casework, marker / tack / chalk board, lockers, access hatches or other equipment attached to or set into the walls			
10.02	Identify all elements identified in 10.01 and dimension			
10.03	Provide references to related details			
11.00	**Floor Plan Enlargement(s):**			
11.01	Provide floor plan enlargement for any area of construction that cannot be properly detailed at smaller scale. This normally would include Toilet Rooms, Stair Towers, Kitchens, etc.			
11.02	Fully dimension			
11.03	Provide references to related details			
12.00	**Building Section(s):**			
12.01	Provide minimum of 1/8" scale building section(s) necessary for a complete understanding of the three dimensional conditions of construction.			
12.02	Provide targeted elevations of finish floors, structural bearing points, tops of major walls, etc.			
12.03	Provide vertical dimensioning from finish floors to ceilings, bottom and top of openings, etc.			
12.04	Idenify major elements of construction			
12.05	Provide references to related details			
13.00	**Wall Section(s):**			
13.01	Provide wall section of every condition of wall construction.			
13.02	Provide targeted elevations of finish floors, structural bearing points, tops of wall, etc.			
13.03	Provide full vertical dimensioning			
13.04	For exterior walls provide thermal transfer coefficent			

13.05	For interior walls provide sound transmission coefficient			
13.06	Identify major components of construction			
13.07	Provide references to related details			
14.00	**Door and Window Details:**			
14.01	Provide dimensioned elevations of all non standard door and window assemblies (standard single leaf doors and stock size windows can be defered until CD submittal)			
14.02	Provide details of special condition heads, jambs and sills			
14.03	Provide identification in elevations of tempered, wire and fire glazing			
14.04	Provide door schedule including fire rating and hardware requirements (by reference to hardware schedule)			
14.05	Provide references to related details			
15.00	**Stair and Ramp Detail(s):**			
15.01	Provide details necessary to illustrate construction, railings and guards and head clearances with necessary dimensioning and notations.			
15.02	Provide references to related details			
16.00	**Miscellaneous Architectural and Interiors Details / Sections / Schedules:**			
16.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all design work has been completed for every architectural and interiors element			
17.00	**Foundation Plan(s):**			
17.01	Show, identify and dimension foundation and footing systems (grade beams, cassons, etc.)			
17.02	Indicate dimensioned details of slab on grade including reinforcement, depressed slabs, saw cuts, etc.			
17.03	Provide references to related details			

18.00 Framing Plan(s):				
18.01 Show, identify (by size) and dimension all columns, beams, girders, joists, etc.				
18.02 Identify and dimension decking				
18.03 Provide spot elevations of main structural elements				
18.04 Provide references to related details				
19.00 Miscellaneous Structural Details / Sections / Schedules:				
19.01 Show compliance with code required structural requirements including dead loads, live loads, impact loads, earthquake loads, etc.				
19.02 Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all design work has been completed for every structural element				
20.00 HVAC Plan(s):				
20.01 Identify HVAC items scheduled for demolition, and identify items that shall be re-installed into the work or furnished to the Owner				
20.02 Show, Identify and dimension (dimensions to include required clearances) all HVAC equipment				
20.03 Show and identify (by size) all ductwork (single-line ductwork acceptable for Design Development)				
20.04 Show and identify all diffusers, grilles, dampers, etc.				
20.05 Show and identify (by size and type) all HVAC piping, valves, etc.				
20.06 Show and identify (to extent necessary to illustrate all design work has been completed) temperature control components				
20.07 Provide references to related details				
21.00 Miscellaneous HVAC Details / Sections / Schedules:				

21.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all design work has been completed for every HVAC element; note all electrical requirements for HVAC equipment shall be designated			
21.02	Provide updated listing of HVAC components and systems that will be subject to Commissioning.			
22.00	**Plumbing Plan(s):**			
22.01	Identify Plumbing items scheduled for demolition, and identify items that shall be re-installed into the work or furnished to the Owner			
22.02	Show, identify and dimension all plumbing equipment and fixtures			
22.03	Show and identify (by size and type) all plumbing piping, valves, cleanouts, drains, etc.			
22.04	Provide invert elevations of all piping that penitrates exterior foundations at exterior building walls			
22.05	Provide references to related details			
23.00	**Miscellaneous Plumbing Details / Sections / Schedules:**			
23.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all design work has been completed for every Plumbing element; note all electrical requirements for Plumbing equipment shall be designated			
23.02	Provide water riser diagrams and sanitary isometric			
23.03	Provide updated listing of Plumbing components and systems that will be subject to Commissioning.			
24.00	**Fire Protection Plan(s):**			

24.01	Indicate fire protection zones and hazzard classification(s) for design			
24.02	Show, identify and size piping mains with identification of, including dimensions, of PIV including electrical & communication interface requirements			
24.03	Show, identify and size standpipes			
24.04	Show, identify and dimension any required fire pump and/or tanks; include electrical requirements			
24.05	Identify types of sprinkler heads and the spaces each type service			
24.06	Provide updated listing of Fire Protection components and systems that will be subject to Commissioning.			
25.00	**Electrical Plan(s):**			
25.01	Identify Electrical items scheduled for demolition, and identify items that shall be re-installed into the work or furnished to the Owner			
25.02	Show and identify all electrical equipment including switchgear, distribution panels (include circuit schedule), emergency generator, transfer switches, UPS system, etc.			
25.03	Show and identify all power consuming equipment with a description of load characteristics			
25.04	Show and identify exterior building and site lighting			
25.05	Show and identify interior lighting			
25.06	Show and identify switching			
25.07	Show and identify building power devices			
25.08	Show and identify electrical accessories including building intercom system, speakers, clock system, telecommunicatins, office automation, security devices, etc.			

25.09	Show and identify electrical accessory cabeling				
25.10	Show and identify fire alarm devices and cabeling				
25.11	Provide references to related details				
26.00	**Miscellaneous Electrical Details / Sections / Schedules:**				
26.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all design work has been completed for every Electrical element				
26.02	Provide electrical riser diagram with notation of major components				
26.03	Provide updated listing of Electrical components and systems that will be subject to Commissioning.				
27.00	**Technology Infrastructure Plan(s):**				
27.01	Identify Technology Infrastructure items scheduled for demolition, and identify items that shall be re-installed into the work or furnished to the Owner				
27.02	Show and identify all Technology Infrastructure components including cable trays, ATM, data racks, antenna, data ports, CTV system components, monitors, etc.				
27.03	Show, identify and size all Technology Infrastructure cable				
27.04	Provide references to related details				
28.00	**Miscellaneous Technology Infrastructure Details / Sections / Schedules:**				
28.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all design work has been completed for every Technology Infrastructure element; note all electrical requirements for Technology Infrastructure equipment shall be designated				

28.02	Provide updated listing of Technology components and systems that will be subject to Commissioning.				
29.00	**Outline Specifications:**				
29.01	Provide outline specifications that includes all acceptable Manufacturers for all components that shall be incorporated into the work (Standard shall be based on a specific manufacturer and model and shall be so identified; other acceptable manufacturers shall be designated that truly have equal products)				
30.00	**Energy Model:**				
30.01	Provide a detailed energy model for the building including building envelope evaluation, electrical and lighting loads, fuel consumption, etc.				
31.00	**Design and Construction Standards:**				
31.01	SDP Variance(s) have been granted for any and all deviations from the Design and Construction Standards				
31.02	Design meets all requirements of the SDP Design and Construction Standards				
32.00	**Estimate / Value Engineering:**				
32.01	Provide analysis of value engineering recommendations developed by Construction Manager				
32.02	Design Consultant's Statement of Probable Construction Cost				
32.03	Design Consultant's Analysis of Probable Construction Cost prepared by CM				
32.04	Design Consultant's and CM's sign-off on reconciliation of Statements of Probable Construction Cost.				
33.00	**Constructability Review:**				
33.01	Provide responses to Constructability Review by Construction Manager				

13.00 Regulatory Agency Approval Process:				
13.01 Provide evidence of Art Commission Approval				
13.03 Provide evidence of City Streets Department approval				
13.04 Provide evidence of SEPTA approval				
13.05 Provide evidence of Fairmont Park Commission approval				
13.06 Provide evidence of City Planning Department approval				
13.07 Provide evidence of Fire Department approval				
13.08 Provide evidence of City Health Department approval				
13.09 Provide evidence of conference meeting with City License & Inspections				
13.10 Provide evidence of City Historic Commission approval				
34.00 Phase Submission Sign-Off:				
34.01 Construction Manager's Phase Submission Sign-Off				
34.02 School Phase Submission Sign-Off				

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SDP Technology Review by			

Required Elements of Phase Submission	Y, N NA	SDP Reviewer's Comments	Design Consultant's Response	Approval by SDP
Construction Documents Phase:				
1.00 Site Plan(s):				
1.01 Show and dimension lot lines, right-of-ways, easements and zoning set-backs				
1.02 Show, identify and dimension of construction errosion control and temporary seeding				
1.03 Show, identify and dimension limit of construction, temporary fencing and barriers, lay-down areas and other elements of site construction logistics as provided to AO by CM				
1.04 Show and dimension all existing site elements and buildings scheduled to remain. Include target elevation of building floor with both USGS elevation and Elevation used on building plans				
1.05 Identify existing site elements and buildings scheduled for demolition including identification of items scheduled for incorporation into new work and items scheduled to be turned over to Owner				

1.06	Show, identify and dimension all site improvements (paving, walks, curbs, storm structures, fencing, etc.)			
1.07	Show, identify and dimension all above and below grade utilities			
1.08	Show bench mark(s)			
1.09	Show and label all proposed contours and tie to existing.			
1.10	Provide spot elevations on pavements, curbs, walks, storm and sanitary structure rims			
1.11	Identify routes of accessibility (ADA) including notation of degree of slope(s)			
1.12	Indicate and dimension all pavement markings			
1.13	Show, identify and dimension stormwater management design including detention / retention intake and outflow structures			
1.14	Show, identify and dimension landscape design elements			
1.15	Show, identify and dimension site signage and traffic control signage			
1.16	Show, identify and dimension site furnishings			
1.17	Provide references to related details			
2.00	**Site Details / Sections / Schedules:**			
2.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all elements of design can be estimated by bidders and constructed by contractors			
3.00	**Life Safety / Code Compliance:**			
3.01	If alteration project, update notes on Drawings addressing permitted code allowances (differences from building code requirements for new buildings) that apply to this project through the International Existing Building Code.			

3.02	If Level 3 alteration project that uses the alternative compliance method of Chapter 12 of the International Existing Building Code, update completed evaluation forms on the Drawings.			
3.03	Identify each building area with allowable vs. actual tabulated areas			
3.04	Identify each type of rated and smoke wall / partition identifying type of construction with UL or other approved code designation			
3.05	Identify occupancy type of each space, occupant load for egress and occupant load for ventilation			
3.06	Identify egress load of every door required for egress, exit access passage / corridor and exit way			
3.07	Identify areas of refuge			
3.08	Identify accessible routes of travel			
3.09	Show compliance of ADA required clearances			
3.10	Identify areas of fire suppression systems including limited area sprinklers			
3.11	Show locations of fire extinguishers and stand pipes			
3.12	Identify requirements for exit lights, emergency lights and night lights for each space			
3.13	Show location of fire alarm devices			
3.14	Identify code requirements for toilet fixtures (per Philadelphia Plumbing Code) and show compliance including ADA compliance			
3.13	Evidence of Health Department Approval			
3.14	Evidence of Licenses & Inspections Approval			
4.00	**Demolition Plan(s):**			
4.01	Show, identify and dimension limits of all work requiring demolition			
4.02	Identify items scheduled for demolition, and identify items that shall be re-installed into the work or furnished to the Owner			

4.03 Provide references to related details				
5.00 Architectural Floor Plan(s):				
5.01 Locate all walls and partitions (referenced by wall / partition types) showing all openings, construction joints, control joints and expansion joints				
5.02 Locate all fixed and loose equipment				
5.03 Show and identify all opening assemblies providing door and window numbers (or types)				
5.04 Show and identify elements of vertical circulation				
5.05 Fully dimension				
5.06 Provide room numbers and identification of each space including net area for space and programmed area for space (areas may be in schedule format)				
5.07 Provide complete section cuts and detail references to related sections and details				
6.00 Interior Finishes Floor Plan(s):				
6.01 Show, identify and dimension all flooring including patterns				
6.02 Identify and dimension all fixed and loose equipment				
6.03 Locate, identify and dimension marker / tack / chalk boards				
6.04 Locate, identify and dimension building signage				
6.05 Provide references to related details				
7.00 Reflected Ceiling Plan(s)				
7.01 Show, identify and dimension all ceiling types. Indicate grid layout.				
7.02 Show location of all ceiling penetration and surface-mount devices (light fixtures, diffusers, grilles, smoke /heat detectors, speakers, motion detectors, etc.)				
7.03 For ceilings of variable height, provide spot elevations of ceiling				

7.04	Show, identify and dimension bulkheads and soffits			
7.05	Provide references to related details			
8.00	**Roof Plan(s):**			
8.01	Show, identify and dimension all roof elements (expansion joints, roof drains, vents, roof mounted equipment, scuttles, saddles, walking pads, etc.)			
8.02	Indicate slope and ratio of slope.			
8.03	Provide thermal coefficient for each roof area for total roof assembly			
8.04	Provide references to roofing and flashing details.			
9.00	**Building Elevations:**			
9.01	Provide building elevations of all exterior wall areas requiring work (including referbish work).			
9.02	Show and identify each type of material (identify existing and new)			
9.03	Show all doors, windows, louvers, light fixtures, wall hydrants, receptacle boxes, fire department connections, knox boxes, etc.			
9.04	Show, identify and dimension control joints and expansion joints			
9.05	Detail scope of area for referbish work			
9.06	Provide dimensioning required for a clear understanding of requirements by contractor			
9.07	Provide references to related details			
10.00	**Interior Elevation(s):**			
10.01	Provide Interior Elevations of all walls or sections of walls that have casework, marker / tack / chalk board, lockers, access hatches or other equipment attached to or set into the walls; elevations shall include all electrical and technology infrastructure devices			
10.02	Identify all elements and dimension			
10.03	Provide references to related details			
11.00	**Floor Plan Enlargement(s):**			

11.01	Provide floor plan enlargement for any area of construction that cannot be properly detailed at smaller scale. This normally would include Toilet Rooms, Stair Towers, Kitchens, etc.			
11.02	Fully dimension			
11.03	Provide references to related details			
12.00	**Building Section(s):**			
12.01	Provide minimum of 1/4" scale building section(s) necessary for a complete understanding of the three dimensional conditions of construction.			
12.02	Provide targeted elevations of finish floors, structural bearing points, tops of major walls, etc.			
12.03	Provide vertical dimensioning from finish floors to ceilings, bottom and top of openings, etc.			
12.04	Idenify major elements of construction			
12.05	Provide references to related details			
13.00	**Wall Section(s):**			
13.01	Provide wall section of every condition of wall construction; include all related structural elements with clear dimensioning of relationship to wall			
13.02	Provide clear detail of support of exterior wall veneer support at each location where veneer is added above roof or floor structure penetration of wall			
13.02	Provide targeted elevations of finish floors, structural bearing points, tops of wall, etc.			
13.03	Provide full vertical dimensioning			
13.04	Provide identification of every component of construction on wall section of enlarged details			
13.05	For exterior walls provide thermal transfer coefficent			
13.06	For interior walls provide sound transmission coefficient			
13.07	Provide references to related details			

14.00 Door and Window Details:				
14.01 Provide dimensioned elevations of all door and window assemblies				
14.02 Provide details of all heads, jambs and sills				
14.03 Provide identification in elevations of tempered, wire and fire glazing				
14.04 Provide door schedule including fire rating and hardware requirements (by reference to hardware schedule)				
14.05 Provide references to related details				
15.00 Stair and Ramp Detail(s):				
15.01 Provide complete detailing of stairs and ramps including railings and guards, treads and risers and head clearances with necessary dimensioning and notations.				
15.02 Provide references to related details				
16.00 Miscellaneous Architectural and Interiors Details / Sections / Schedules:				
16.01 Provide detail of all wall / partition types including fire rating information				
16.02 Provide information for fire stopping and fire safeing including firerating information for each type of penetration seal				
16.02 Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all design can be estimated by bidders and constructed by contractors				
17.00 Foundation Plan(s):				
17.01 Show, identify and dimension foundation and footing systems (grade beams, caissons, etc.); coordinate with all underground utilities located in the foundation area				
17.02 Indicate dimensioned details of slab on grade including reinforcement, depressed slabs, saw cuts, etc.				
17.03 Provide references to related details				
18.00 Framing Plan(s):				

18.01	Show, identify (by size) and dimension all columns, beams, girders, joists, etc.			
18.02	Show, identify and dimension all structural elements bracing, shelf angles, etc.			
18.03	Identify and dimension decking			
18.04	Provide spot elevations of all structural elements to the extent there is no question to requirements			
18.05	Provide references to related details			
19.00	**Miscellaneous Structural Details / Sections / Schedules:**			
19.01	Show compliance with code required structural requirements including dead loads, live loads, impact loads, earthquake loads, etc.			
19.02	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all design can be estimated by bidders and constructed by contractors			
19.03	Provide complete detail of all concrete and masonry reinforcement			
20.00	**HVAC Plan(s):**			
20.01	Identify HVAC items scheduled for demolition, and identify items that shall be re-installed into the work or furnished to the Owner			
20.02	Show, identify and dimension (dimensions to include required clearances) all HVAC equipment			
20.03	Show and identify (by size) all ductwork drawn to scale			
20.04	Show extent of thermal insulation			
20.05	Show and identify all diffusers, grilles, dampers, turning vanes, volume extractors, access panels, etc.; indicate volume of air at each device			
20.06	Show and identify (by size and type) all HVAC piping, valves, etc. including method of control of thermal expansion			

20.07	Show and identify (to extent necessary to illustrate all design work has been completed) temperature control components				
20.08	Provide references to related details				
21.00	**Miscellaneous HVAC Details / Sections / Schedules:**				
21.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all HVAC design can be estimated by bidders and constructed by contractors; note all electrical requirements for HVAC equipment shall be designated				
22.00	**Plumbing Plan(s):**				
22.01	Identify Plumbing items scheduled for demolition, and identify items that shall be re-installed into the work or furnished to the Owner; floor drains and floor clean outs shall be dimensiond from adjacent walls and partitions to assure the walls or partitions are not constructed on top of them				
22.02	Show, identify and dimension all plumbing equipment and fixtures; indicate method of control of thermal expansion				
22.03	Show and identify (by size and type) all plumbing piping, valves, cleanouts, drains, etc. including method of control of thermal expansion				
22.04	Show scope of thermal insulation				
22.05	Provide invert elevations of all piping that penetrates exterior foundations at exterior building walls				
22.06	Provide references to related details				
23.00	**Miscellaneous Plumbing Details / Sections / Schedules:**				

23.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all Plumbing design can be estimated by bidders and constructed by contractors; note all electrical requirements for Plumbing equipment shall be designated			
23.02	Provide water riser diagrams and sanitary isometric			
24.00	**Fire Protection Plan(s):**			
24.01	Indicate fire protection zones and hazzard classification(s) for design			
24.02	Show, identify and size piping mains with identification of, including dimensions, of PIV including electrical & communication interface requirements			
24.03	Show, identify and size standpipes			
24.04	Show, identify and dimension any required fire pump and/or tanks; include electrical requirements			
24.05	Identify types of sprinkler heads and the spaces each type service			
24.06	Provide complete basis of design			
25.00	**Electrical Plan(s):**			
25.01	Identify Electrical items scheduled for demolition, and identify items that shall be re-installed into the work or furnished to the Owner			
25.02	Show, identify and dimension all electrical equipment including switchgear, distribution panels (include circuit identification and connected loads), emergency generator, transfer switches, UPS system, etc.			
25.03	Show, identify and dimension all power consuming equipment with a description of load characteristics			
25.04	Show, identify and dimension exterior building and site lighting			

25.05	Show, identify and dimension interior lighting			
25.06	Show, identify and size lighting circuits and switching			
25.07	Show, identify and dimension building power devices			
25.08	Show, identify and size power circuits			
25.09	Show, identify and dimension electrical accessories including building intercom system, speakers, clock system, telecommunicatins, office automation, security devices, etc.			
25.10	Show, identify and dimension electrical accessory cabeling			
25.11	Show, identify and dimension fire alarm devices and cabeling			
25.12	Provide references to related details			
26.00	**Miscellaneous Electrical Details / Sections / Schedules:**			
26.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all Electrical design can be estimated by bidders and constructed by contractors			
26.02	Provide detailed electrical riser diagram			
26.03	Provide details of grounding of building and electrical system			
27.00	**Technology Infrastructure Plan(s):**			
27.01	Identify Technology Infrastructure items scheduled for demolition, and identify items that shall be re-installed into the work or furnished to the Owner			
27.02	Show, identify and dimension all Technology Infrastructure components including cable trays, ATM, data racks, antenna, data ports, CTV system components, monitors, etc.			
27.03	Show, identify and size all Technology Infrastructure cabel			

27.04	Provide references to related details				
28.00	**Miscellaneous Technology Infrastructure Details / Sections / Schedules:**				
28.01	Provide associated details, sections and schedules, developed to the extent necessary, to illustrate that all Electrical design can be estimated by bidders and constructed by contractors; note all electrical requirements for Technology Infrastructure equipment shall be designated				
29.00	**Specifications:**				
29.01	Verify that all contractor scope of work responsibilities are detailed in Division 1 "Summary of Work" or "Scope of Work" section. Drawings and other spec sections shall not include comments such as "By Electrical", etc.				
29.02	Verify that responsibility for training of Owner's forces is detailed in the Scope of Work section of Division 1.				
29.03	Verify that responsibility for operations & maintenance manuals is detailed in the Scope of Work section of Division 1.				
29.04	Verify that all HVAC components and systems applicable to commissioning have been included in the tehnical sections requirements to include submitals; pre-installation conferences; start-up procedures, tests & documentation; functional testing & documentation; demonstration and training; operations & maintenance manuals; and project close-out data (bonds, warranties, spare parts, record documents & maintenance service agreements).				

29.05	Verify that all Plumbing components and systems applicable to commissioning have been included in the tehnical sections requirements to include submitals; pre-installation conferences; start-up procedures, tests & documentation; functional testing & documentation; demonstration and training; operations & maintenance manuals; and project close-out data (bonds, warranties, spare parts, record documents & maintenance service agreements).				
29.06	Verify that all Fire Protection components and systems applicable to commissioning have been included in the tehnical sections requirements to include submitals; pre-installation conferences; start-up procedures, tests & documentation; functional testing & documentation; demonstration and training; operations & maintenance manuals; and project close-out data (bonds, warranties, spare parts, record documents & maintenance service agreements).				
29.07	Verify that all Electrical components and systems applicable to commissioning have been included in the tehnical sections requirements to include submitals; pre-installation conferences; start-up procedures, tests & documentation; functional testing & documentation; demonstration and training; operations & maintenance manuals; and project close-out data (bonds, warranties, spare parts, record documents & maintenance service agreements).				

29.08	Verify that all Electrical components and systems applicable to commissioning have been included in the tehnical sections requirements to include submitals; pre-installation conferences; start-up procedures, tests & documentation; functional testing & documentation; demonstration and training; operations & maintenance manuals; and project close-out data (bonds, warranties, spare parts, record documents & maintenance service agreements).				
29.09	Verify that all Technology components and systems applicable to commissioning have been included in the tehnical sections requirements to include submitals; pre-installation conferences; start-up procedures, tests & documentation; functional testing & documentation; demonstration and training; operations & maintenance manuals; and project close-out data (bonds, warranties, spare parts, record documents & maintenance service agreements).				
30.00	**Design and Construction Standards:**				
30.01	SDP Variance(s) have been granted for any and all deviations from the Design and Construction Standards				
30.02	Design meets all requirements of the SDP Design and Construction Standards				
30.03	Provide evidence that design professional has administered a detailed review of documents or has had an outside agency (such as Redi-Check) perform a detailed review. Review of this check-list by the SDP shall not relieve the design professional from their due deligence to administer quality check of their work.				
31.00	**Estimate / Value Engineering:**				

31.01	Provide analysis value engineering recommendations developed by Construction Manager				
31.02	Design Consultant's Statement of Probable Construction Cost				
31.03	Design Consultant's Analysis of Probable Construction Cost prepared by CM				
31.04	Design Consultant's and CM's sign-off on reconciliation of Statements of Probable Construction Cost.				
32.00	**Constructability Review:**				
32.01	Provide responses to Constructability Review by Construction Manager				
33.00	**Phase Submission Sign-Off:**				
33.01	Construction Manager's Phase Submission Sign-Off				
33.02	School Phase Submission Sign-Off				