BUILDING TECHNOLOGY III SPRING 2014

DRAWING LIST - Updated 2/13/2014

For all drawings pay attention to quality of information and not quantity. Complete 1 sheet well - with proper layout & scale before moving on to another sheet. As with the scavenger hunt - layout and proper use of scale and level of detail is critical. Although much of the research was completed on a team bases each individual student is required to complete their own work and copying of drawings from others will disqualify both students from receiving any credit for that drawing. Final submission must be both in printed form and as a PDF uploaded to blackboard. There will be no extension for the final submission. Consider printing sheets in advance of the final deadline. The final printed set must be bound.

Req/Opt	#	Sheet No	Scale	Sheet Name	Preliminary Submission as Required	Set 1- Grids, Levels,Massing	Set 2- Foundations	Set 3-Cores	Set 4- Structure	Set 5- Gym Walls	Set 6- Exterior Elevations	Set 7- Roofs	Set 8- Typ. Lab Floors	Set 9- Level 1 and Mezz	Set 10- RCP	FINAL SET
		Cover / Zoning / Studies														
Required	1	C-101	REVIT	*COVERSHEET With Perspective or 3d Images	•	•										•
Required	2	C-102	AUTOCAD/REVIT	DRAWING LIST, ABBREVIATIONS, GRAPHIC SYMBOLS, MATERIALS LEGEND	•	•										•
Required	4	ADA-101	AUTOCAD	ADA DIAGRAMS AND CODE EXCERPTS	•											•
Required	5	ADA-102	AUTOCAD	ADA DIAGRAMS AND CODE EXCERPTS	•											
Required	5	Z-101	AUTOCAD	SITE PLAN/ ZONING ANALYSIS ZONING TEXT	•											•
Required	6	Z-102	AUTOCAD	SITE PLAN/ ZONING ANALYSIS ZONING TEXT	•											•
Required	7	SK-101	AUTOCAD	STAIR, CORE, LOADING DOCK & ENTRY STUDIES	•											•
Required	*	SEE BELOW	AUTOCAD	PARTITIONS ARE MOVED TO A-400	•											•

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100 : FLOOR PLANS																
Drawing should be laid out in a consistent fashion on each sheet. Drawings should include exterior dimension strings that include, overall, column grids and window opening dimensions. For the Lab building there should be two additional dimension strings shown across the floor plans one in each direction (north-south & east-west). Pay attention to the level of detail you show at different scales and set the view range settings carefully.																
Required	8	A-100	1/16" = 1'-0"	BASEMENT LEVEL - COMPOSITE	•											•
Required	9	A-100.A	1/8" =1'-0"	BASEMENT - ATRIUM	•											•
Required	10	A-100.G	1/8" =1'-0"	BASEMENT - GYM	•											•
Required	11	A-100.L	1/8" =1'-0"	BASEMENT - LAB	•											•
Required	12	A-101	1/16" = 1'-0"	1ST FLOOR - COMPOSITE	•		•			•			•			•
Required	13	A-101.A	1/8" =1'-0"	1ST FLOOR - ATRIUM	•		•						•			•
Required	14	A-101.G	1/8" =1'-0"	1ST FLOOR - GYM	•		•						•			•
Required	15	A-101.L	1/8" =1'-0"	1ST FLOOR - LAB	•		•						•			•
Required	16	A-102	1/16" = 1'-0"	2ND FLOOR / MEZZANINE - COMPOSITE	•		•			•		•				•
Optional	*	A-102.A	1/8" =1'-0"	2ND FLOOR - ATRIUM												
Optional	*	A-102.G	1/8" =1'-0"	2ND FLOOR - GYM												
Optional	*	A-102.L	1/8" =1'-0"	2ND FLOOR - LAB												
Required	17	A-103	1/8" =1'-0"	3RD FLOOR LAB - (DOOR SCHEDULE)			•					•				•
Required	18	A-104	1/8" =1'-0"	4th FLOOR LAB - (DOOR SCHEDULE)			•					•				•
Required	19	A-105	1/8" =1'-0"	5th FLOOR LAB - (DOOR SCHEDULE)			•					•				•
Required	20	A-106	1/8" =1'-0"	6th FLOOR LAB - (DOOR SCHEDULE)			•					•				•
Optional	18	A-107	1/8" =1'-0"	7th FLOOR LAB - (DOOR SCHEDULE)			•					•				•
Required	19	A-108	1/16" = 1'-0"	ROOF PLAN - COMPOSITE							•					•
Optional	20	A-108.A	1/8" =1'-0"	ROOF PLAN - ATRIUM							•					•
Optional	21	A-108.G	1/8" =1'-0"	ROOF PLAN - GYM							•					•
Optional	22	A-108.L	1/8" =1'-0"	ROOF PLAN - LAB							•					•
Required	23	A-110 (110.1,110.2)	1/8" =1'-0"	ALL DOOR SCHEDULES IF NOT ON OTHER SHEETS							•					•

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200 ! RCP PLANS																
Only 1 reflected ceiling plan for each level is required. Focus on the lower levels (1-2) and the typical lab floor (3). For Lab levels 4-7 show only those portions that are unique to that level. Your ceiling plans should include a combination of hung ceiling and gypsum board - lighting should be included.																
Required	*	A-200	1/16" = 1'-0"	BASEMENT LEVEL - COMPOSITE												
Optional	*	A-200.A	1/8" =1'-0"	BASEMENT - ATRIUM												
Optional	*	A-200.G	1/8" =1'-0"	BASEMENT - GYM												
Optional	*	A-200.L	1/8" =1'-0"	BASEMENT - LAB												
Required	24	A-201	1/16" = 1'-0"	1ST FLOOR - COMPOSITE											•	•
Optional	25	A-201.A	1/8" =1'-0"	1ST FLOOR - ATRIUM											•	•
Optional	26	A-201.G	1/8" =1'-0"	1ST FLOOR - GYM											•	•
Optional	27	A-201.L	1/8" =1'-0"	1ST FLOOR - LAB											•	•
Required	28	A-202	1/16" = 1'-0"	2ND FLOOR / MEZZANINE - COMPOSITE											•	•
Optional	*	A-202.A	1/8" =1'-0"	2ND FLOOR - ATRIUM												
Optional	*	A-202.G	1/8" =1'-0"	2ND FLOOR - GYM												
Optional	*	A-202.L	1/8" =1'-0"	2ND FLOOR - LAB												
Required	29	A-203	1/8" =1'-0"	3RD FLOOR - LAB (TYPICAL)											•	•
Partial	30	A-204	1/8" =1'-0"	4th FLOOR - LAB											•	•
Partial	31	A-205	1/8" =1'-0"	5th FLOOR - LAB											•	•
Partial	32	A-206	1/8" =1'-0"	6th FLOOR - LAB											•	•
Partial	33	A-207	1/8" =1'-0"	7th FLOOR - LAB											•	•

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300 BUILDING SECTIONS AND EXTERIOR ELEVATIONS																
Building sections are overall (showing all buildings) and should cut through each of the three buildings in both directions. Recommended is on across the GYM, one across the GYM and the Atrium, one across the Atrium and the Lab Building, and one across the Lab in the other direction. Keep the building sections all at the same scale (1/16"). The exterior elevations should exist at two scales 1/16" & 1/8". The 1/16" elevations should show the overall building and the 1/8" elevations would focus on the elevation of each building. You can also consider an elevation/section showing a views from inside the Atrium showing the GYM and the LAB facades.																
Required	34	A-300	1/16" = 1'-0"	BUILDING SECTIONS	•			•	•						•
Required	35	A-301	1/16" = 1'-0"	BUILDING SECTIONS	•			•	•						•
Required	36	A-302 (302.1 &.2)	1/16" = 1'-0"	EXTERIOR ELEVATIONS - NORTH & SOUTH	•					•					•
Required	37	A-303	1/16" = 1'-0"	EXTERIOR ELEVATIONS - EAST & WEST	•					•					•
Required	38	A-304 (304.1 &.2)	1/8" =1'-0"	EXTERIOR ELEVATIONS - GYM	•					•					•
Required	39	A-305 (306.1 &.2)	1/8" =1'-0"	EXTERIOR ELEVATIONS - ATRIUM	•					•					•
Required	40	A-306 (306.1 &.2)	1/8" =1'-0"	EXTERIOR ELEVATIONS - LAB	•					•					•
Optional	*	A-307, 308 …	1/8" =1'-0"	EXTERIOR ELEVATIONS - ADDITIONAL AS REQUIRED											
400 PLAN DETAILS																
Plan details as well as Wall Sections & Details (similar to the scavenger hunt exercises) should be the primary focus of the work that differentiates your specific efforts - The plan detail drawings will be linked and referenced from the floor plans in the A-100 series. The Wall Sections and Details will be referenced from both the plans (A-100 Series) and the building elevations (A-300 Series). Remember to focus on organization of drawings on each sheet and what you are trying to explain. Pay attention to the approriate scale and level of detail.																
Required	41	A-400	3"= 1'-0"	PARTITION TYPES											•
Required	42	A-401.1 401.2	3"= 1'-0"	PLAN DETAILS - GYM		•							•		•
Required	43	A-402.1 402.2	3"= 1'-0"	PLAN DETAILS - ATRIUM									•		•
Required	44	A-403.1 403.2	3"= 1'-0"	PLAN DETAILS - TYPICAL LAB								•			•
Optional	*	A-404	3"= 1'-0"	PLAN DETAILS - ADDITIONAL											

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500 WALL SECTIONS & DETAILS																
Plan details as well as Wall Sections & Details (similar to the scavenger hunt exercises) should be the primary focus of the work that differentiates your specific efforts - The plan detail drawings will be linked and referenced from the floor plans in the A-100 series. The Wall Sections and Details will be referenced from both the plans (A-100 Series) and the building elevations (A-300 Series). Remember to focus on organization of drawings on each sheet and what you are trying to explain. Pay attention to the approriate scale and level of detail.																
Required	45	A-500	3/4" = 1'-0"	WALL SECTIONS - GYM			•			•		•				•
Required	46	A-501.1 501.2	1 1/2" = 1'-0"	WALL SECTION DETAILS- GYM			•			•		•				•
Required	47	A-502	3/4" = 1'-0"	WALL SECTIONS - ATRIUM							•					•
Required	48	A-503.1 503.2	1 1/2" = 1'-0"	WALL SECTION DETAILS- ATRIUM							•					•
Required	49	A-504	3/4" = 1'-0"	WALL SECTIONS - LAB							•					•
Required	50	A-505.1, 505.2	1 1/2" = 1'-0"	WALL SECTION DETAILS- LAB							•					•
Optional	*	A-506	3/4" = 1'-0"	WALL SECTIONS - GYM - ATRIUM INTERSECTION												
Optional	*		1 1/2" = 1'-0"													
Optional	*	A-507	3/4" = 1'-0"	WALL SECTIONS - ATRIUM-LAB INTERSECTION												
Optional	*		2 1/2" = 1'-0"													
600 PARTIAL PLANS & INTERIOR ELEVATIONS																
All enlarged plans and interior elevations are optional. If you choose to complete any of these sheets consider completing a plan and its related interior elevations. It is better to complete 1 good sheet than several of lesser quality.																
Required	51	A-600	1/4" = 1'-0"	CORE PLANS (Elevators, Toilets)				•								•
Required	52	A-601	1/4" = 1'-0"	CORE PLANS (Elevators, Toilets)				•								•
Required	53	A-602	1/4" = 1'-0"	STAIR PLANS & SECTIONS (MINIMUM 1 STAIR)				•								•
Optional	*	A-603	1/4" = 1'-0"	STAIR PLANS & SECTIONS												
Required	54	A-604	1 1/2" = 1'-0"	STAIR DETAILS				•								•
Required	55	A-605	1/4" = 1'-0"	PARTIAL PLANS & ELEVATIONS- BATHROOMS				•								•

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S-10 STRUCTURAL																
Structural drawings do not need to show much detail. Their purpose is to key the types of beams. In addition to completeness these will be evaluated to see if they correct beam types are used in the correct locations - based on span and location (interior or exterior). Also be certain to apply the proper structural view templates.																
Required	56	S-100	1/16" = 1'-0"	FOUNDATION PLAN-COMPOSITE			•									•
Optional	*	S-100.A	1/8" =1'-0"	BASEMENT - ATRIUM												
Optional	*	S-100.G	1/8" =1'-0"	BASEMENT - GYM												
Optional	*	S-100.L	1/8" =1'-0"	BASEMENT - LAB												
Required	57	S-101	1/16" = 1'-0"	1ST FLOOR - COMPOSITE			•									•
Optional	*	S-101.A	1/8" =1'-0"	1ST FLOOR - ATRIUM												
Optional	*	S-101.G	1/8" =1'-0"	1ST FLOOR - GYM												
Optional	*	S-101.L	1/8" =1'-0"	1ST FLOOR - LAB												
Required	58	S-102	1/16" = 1'-0"	2ND FLOOR / MEZZANINE - COMPOSITE					•							•
Optional	*	S-102.A	1/8" =1'-0"	2ND FLOOR -ATRIUM												
Optional	*	S-102.G	1/8" =1'-0"	2ND FLOOR - GYM												
Required	59	S-103	1/8" =1'-0"	TYPICAL LAB FLOOR- TYPE A			•									•
Optional	*	S-104	1/8" =1'-0"	TYPICAL LAB FLOOR- TYPE B												
Optional	*	S-105	1/16" = 1'-0"	ROOF PLAN - COMPOSITE												
Optional	*	S-105.A	1/8" =1'-0"	ROOF PLAN - ATRIUM												
Optional	*	S-105.G	1/8" =1'-0"	ROOF PLAN - GYM												
Optional	*	S-105.L	1/8" =1'-0"	ROOF PLAN - LAB												
Required	60	S-110 (111,112)	1/4" = 1'-0"	TRUSS SECTIONS AS NEEDED					•							•
END OF LISTING																