

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'd or 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 SERIES FLOOR PLANS																
<i>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.</i>																
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												
Required	17	A-103	1/8" =1'-0"	TYPICAL LAB FLOOR- TYPE A & DOOR				•					•			•
Required	18	A-104	1/8" =1'-0"	TYPICAL LAB FLOOR- TYPE B & DOOR				•					•			•
Required	19	A-105	1/16" = 1'-0"	ROOF PLAN - COMPOSITE								•				•
Required	20	A-105.A	1/8" =1'-0"	ROOF PLAN - ATRIUM								•				•
Required	21	A-105.G	1/8" =1'-0"	ROOF PLAN - GYM								•				•
Required	22	A-105.L	1/8" =1'-0"	ROOF PLAN - LAB								•				•

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400 SERIES PLAN DETAILS																
<i>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 appropriate scale and level of detail.</i>																
Required	38	A-400	3" = 1'-0"	PARTITION TYPES												•
Required	39	A-401.1 401.2	3" = 1'-0"	PLAN DETAILS - GYM		•										•
Required	40	A-402.1 402.2	3" = 1'-0"	PLAN DETAILS - ATRIUM												•
Required	41	A-403.1 403.2	3" = 1'-0"	PLAN DETAILS - TYPICAL LAB									•			•
Optional	*	A-404	3" = 1'-0"	PLAN DETAILS - ADDITIONAL												
500 SERIES WALL SECTIONS & DETAILS																
<i>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 appropriate scale and level of detail.</i>																
Required	42	A-500	3/4" = 1'-0"	WALL SECTIONS - GYM		•				•		•				•
Required	43	A-501.1 501.2	1 1/2" = 1'-0"	WALL SECTION DETAILS- GYM		•				•		•				•
Required	44	A-502	3/4" = 1'-0"	WALL SECTIONS - ATRIUM							•					•
Required	45	A-503.1 503.2	1 1/2" = 1'-0"	WALL SECTION DETAILS- ATRIUM							•					•
Required	46	A-504	3/4" = 1'-0"	WALL SECTIONS - LAB							•					•
Required	47	A-505.1, 505.2	1 1/2" = 1'-0"	WALL SECTION DETAILS- LAB							•					•

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600 SERIES 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	48	A-600	1/4" = 1'-0"	CORE PLANS				•								•
Required	49	A-601	1/4" = 1'-0"	CORE PLANS				•								•
Required	50	A-602	1/4" = 1'-0"	STAIR PLANS & SECTIONS (MINIMUM 1 STAIR)				•								•
Optional	*	A-603	1/4" = 1'-0"	STAIR PLANS & SECTIONS												
Required	51	A-604	1 1/2" = 1'-0"	STAIR DETAILS				•								•
Required	52	A-605	1/4" = 1'-0"	PARTIAL PLANS & ELEVATIONS- BATHROOMS				•								•

S-100 SERIES 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	53	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												
Optional	*	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	54	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												
Optional	*	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												

END OF LISTING