

PROJECT NAME:	NATIONAL SOLAR OFFICES - MONTANA STATE UNIVERSITY
LOCATION:	MSU - BOZEMAN
PROJECT NUMBER:	Place # 1007 PPA
DATE:	10/10/10

PHASE B BUILDING EQUATION:

SECTION III: BUILDING PROGRAM

		Main Level S.F.	Second Level	Total Area S.F.	Future Phases S.F.	Remarks	
PRIMARY SPACE - NSO							
MAIN OFFICE & ADMINISTRATION	Office Space	FTE					
	Director's Offices	3	200.0	600.0	0.0	600.0	
	Science	14	135.0	1890.0		1890.0	
	Technical / Engineering	16	100.0	1600.0		1600.0	
	Data Center / Software	10	80.0	800.0		800.0	
	Grad. Research Asst (GRA)	12	70.0	840.0		840.0	
	Scientific Staff / Support	3	75.0	225.0		225.0	
	Administrative Support	5	70.0	350.0		350.0	
	Visitors / Grant Staff	10	100.0	1000.0	0.0	1000.0	Verify 4 Private + 6 Shared Collaborative "Collision Spaces"
	Small Conference / Meeting	6	40.0	240.0	0.0	240.0	
	Copy Workroom	1	100.0	100.0		100.0	
	Reception & Lobby			500.0	0.0	500.0	
	Meeting Room 1			250.0	0.0	250.0	8 - 10 Person Table
	Meeting Room 2			250.0	0.0	250.0	
	Scientific Conference Room			1000.0		1000.0	Space for 20
	Restroom 1			160.0	0.0	160.0	
Restroom 2			160.0	0.0	160.0		
Break Room	2	200.0	400.0		400.0		
Technical Library			1400.0		1400.0		
	Sub Total	58.1%	11765.0				
LAB & CONFERENCE	Instrument Lab 1			2100.0	0.0	2100.0	Verify Daylight or Dark
	Instrument Lab 2			2100.0	0.0	2100.0	Verify Daylight or Dark
	Computer Lab & Data Storage			2100.0		2100.0	
	Machine Shop			2100.0		2100.0	Slab on Grade
	Restroom & Showers			100.0	0.0	100.0	LEED Requirement
	Sub Total	41.9%	8500.0				
	Net to Gross Factor	20.0%	4053.0	0.0	4053.0	0.0	walls & circulation
	Total NSO Spaces:		24318	0.0	24318	0	
PRIMARY SPACE - MSU							
OFFICE & ADMIN	Office Space						
	Faculty Offices	7	135.0	945.0	0.0	945.0	
	Teaching Assistant (TA)	12	70.0	840.0	0.0	840.0	
	Post Doc Office Space	8	100.0	800.0	0.0	800.0	
	Admin Asst	1	70.0	70.0	0.0	70.0	
	Shared Conf Space	0	0.0	0.0	0.0	0.0	
	Classroom / Small Conferences			1000.0	0.0	1000.0	30 - 50 People - Tiered Seminar
	Copy & Workroom			300.0	0.0	300.0	
	Shaw Lab Space			1000.0	0.0	1000.0	Verify
Shaw Lab Space - Roof Penthouse			100.0	0.0	100.0	Verify	
			0.0	0.0	0.0		
	Net to Gross Factor	20.0%	1011.0	0.0	1011.0	0.0	walls & circulation

Total MSU Spaces: | 6066.0 0.0 **6066.0** 0.0

SECTION III: BUILDING PROGRAM

		Main Level	Second Level	Total Area	Future Phases	Remarks
UTILITY SPACES						
UTILITY	Mechanical/Electrical	1400.0	0.0	1400.0		Office Supplies Basement Upper Floors
	Maintenance	200.0	0.0	200.0		
	Supply Room 1	250.0	0.0	250.0		
	Supply Room 2	250.0	0.0	250.0		
	Unfinished Basement	0.0	0.0	0.0		
	ITC Main Closet	200.0	0.0	200.0		
	ITC Closets	300.0	0.0	300.0		
		0.0	0.0	0.0		
	100.0					
	Net to Gross Factor	15.0%	390.0	0.0	390.0	0.0
	Total Utility Spaces:		2990.0	0.0	2990.0	0.0
	TOTAL:	33374	0	33374	0	
BUILDING TERRACES & DECKS						
TERRACES	Entry Terrace	7500.0	0.0	0.0		
	Bike Racks	0.0	0.0	0.0		
	Seating	0.0	0.0	0.0		
		0.0	0.0	0.0		
DECKS	Roof Deck for Equipment	3750.0	0.0	0.0		
	Decks	450.0	0.0	0.0		
	ME Roof Penthouse	0.0	0.0	0.0		
PATHWAYS	Pathway to Main Campus	0.0	0.0	0.0		See Section II - Pathway
		0.0	0.0	0.0		
		0.0	0.0	0.0		
		0.0	0.0	0.0		
		0.0	0.0	0.0		
	TOTAL:	11700	0	0	0	

NOTE: The square foot analysis is to be used as a starting point to understand the overall project scope and how to prioritize individual spaces. All numbers are estimates and can change as the project scope matures.