

**Housing Facilities Standards
2016**

HFS Facility Project Standards											
				revised 1/29/2016							
Item Number	General Location	Item Description	Item Location	General Description	Manufacturer	Model #	Dimensions	Acceptable colors	Initial Responsibility	Maintenance Responsibility	Comments
1	Grounds										
1.a		Project staging location		Project Specific- Must be arranged with the PM; coordinate with PTS and Grounds & Campus Landscape Architect.	N/A	N/A	N/A	N/A	PM	N/A	
1.b		Parking		Project Specific- Must be arranged with the PM; coordinate with PTS.	N/A	N/A	N/A	N/A	PM	PM/GC	If parking is allowed on landscaping, the project will need to restore it and ensure a seamless match
1.c		Project perimeter		Project Specific- need to be aware of any areas/items that may be affected by project but are outside of project perimeter. These such items may still be responsibility of the project if issues arise. (PM to coordinate)	N/A	N/A	N/A	N/A	PM	PM/GC	
1.d		Utilities check/locates		Need to make sure that current utilities in place, if not being updated, are sufficient for future project needs. Ensure pre-project camera for underground lines is done prior to project commencement. Locates done prior to any exterior work.	N/A	N/A	N/A	N/A	PM	N/A	
1.e		Video sewer lines		Check with Facilities Management Civil AHJ. PM to coordinate with above item.	N/A	N/A	N/A	N/A	PM	N/A	Done on all projects prior to design and/or construction.
2	Landscaping										
2.a		Irrigation/ Sprinklers		1. Repair existing system as needed per current campus standards	Campus Standards - Section 02810	See Campus Standards	N/A	N/A	PM/ HFS	HFS/ G	
2.b		Replace / refurbish existing landscaping		Coordinate approvals/review with Campus Landscape Architect and HFS Grounds	Campus standards - Section 02900, 2930, 2930, 2931, 2932, 2950	See Campus Standards	N/A	N/A	PM/ HFS	HFS/ G	
2.c		Plantings		Coordinate approvals/review with Campus Landscape Architect and HFS Grounds	N/A	N/A	N/A	N/A	PM/ HFS	HFS/ G	Complete removal of wire and lower portion of burlap on B & B plantings.
2.d		Sod							PM/ HFS	HFS/ G	Graffs Turf Farm, Ft. Morgan, CO (1-800-280-TURF)
2.e			area of re-sodding	Follow Campus Standards for Landscape/Turf Installation	Campus Standards - Section 02932; Graff Turf Farms is the preferred supplier.	See Campus Standards	N/A	N/A	PM/ HFS	HFS/ G	
2.f		Water- Raw vs. Potable		Coordinate with HFS / FM Grounds for availability	N/A	N/A	N/A	N/A	PM/ HFS	HFS/ G	
2.g		Backflow preventers		Coordinate with HFS grounds	Campus Standard - Section 15430	See Campus Standards	N/A	N/A	PM/ HFS	HFS/ G	
2.h		Pest Control Strip	Building Perimeter	18" border of Wyoming Red Rock 3" deep around building perimeter for pest control	Campus standard - section 02900	See Campus Standards	N/A	see general description	PM/ HFS	HFS/ G	

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	Exterior										
		Building skin									
3		Roof		Campus Standard - depending on location							
3.a			Tile Roof	Clay- match existing roof tile if appropriate	Ludowici-Celadon or equal Campus Standards - Section 07320	See Campus Standards	N/A	See Campus Standards	PM	HFS	
3.b			Flat Roof	Built-up or Single-Ply membrane	Campus Standard - Sections 07510 / 07530	See Campus Standards	N/A	See Campus Standards	PM	HFS	
4		Walls		Campus Standard -depending on location	Campus Standard -Division 4	N/A	N/A	N/A			
5		Windows	Location Specific	Campus standard for reflectivity, transmittance, R-value, other?	Campus Standard - Division 8	See Campus Standards	Project Specific	See Campus Standards	PM	HFS	
6		Doors	Location Specific	Storefront or to match existing - see campus standards	Campus Standard - Division 8	See Campus Standards	Location Specific	See Campus Standards	PM	HFS	Ensure ADA compliance.
6.a		Hardware		Hinges/ Closers	Campus Standards - Section 08710	See Campus Standards			PM	HFS	
7		Security- Hardware		*See attached HIT Specs							
3.g		C-Cure		Card Reader	See attached HIT specs	See attached HIT specs	See attached HIT specs	See attached HIT specs	PM/ AS	AS	
3.h		Cameras		Security Camera	See attached HIT specs	See attached HIT specs	See attached HIT specs	See attached HIT specs	PM/ AS	AS	
4		Gutters / Downspouts		Copper	Campus Standards - Section 07600	See Campus Standards	Project Specific	Cooper	PM	HFS	
5		Trash Receptacles		Campus Standard- Side opening litter receptacle, tapered formed lid, black plastic liner, lock box	Victor Stanley, Inc.; Campus Standard- Division 2, Section 02870	SD-42; estimated lead time 7-9 weeks	36 gallon	VS Black w/ yellow lettering	PM	HFS/ G	
6		Recycling Receptacles		Campus Standard- Side opening litter receptacle, Recycling lid for commingled containers, black plastic liner, lock box, decals, recycling symbol	Victor Stanley, Inc.; Campus Standard- Division 2, Section 02870	SD-42; estimated lead time 7-9 weeks	36 gallon	VS Black w/ yellow lettering	PM	HFS/ G	
7		Bike Racks		Cora Expo Bike Rack; Install bike racks for 75% of beds in hall	Cora Bike Rack, Inc.	W7510/010	Sized for 10 bikes	Powder Coat- Comet Black	PM	HFS/ G	Contact: Cora Bike Rack, Inc. 1.800.354.8624
8		Plazas									
8.a		Material		Concrete/ Stone Paver; coordinate with campus Landscape Architect	Campus Standard - Section 02515	See Campus Standards	Project/ Location Specific	See Campus Standards	PM	HFS/ G	
8.b		Railings/fences		Metal; coordinate with campus Landscape Architect	Campus standard - Section 05500	See Campus Standards	See Campus Standards	Black	PM	HFS/ G	
9		Plaza Furniture									
9.a		Tables	Project Specific	Carousel Table; Table top style- Catena, 4 seats, w/ umbrella hole, surface mount; ADA compliant model available w/ 3 seat arrangement	Campus Standard - Section 02870	Landscape Forms, Inc., Catena Style	42" diameter table top; can vary depending on project	Black	PM	HFS/ G	
9.b		Chairs	Attached to carousel tables	Seat style: Backless Grid	Campus Standard - Section 02870	Landscape Forms, Inc., Catena Style	See Campus Standards	Black	PM	HFS/ G	
9.c		Benches	Project Specific	Campus Standard	Campus Standard - Section 02870	See Campus Standards	See Campus Standards	Black	PM	HFS/ G	
10		Site Walls									
10.a		Material		Brick, stone; campus standard - coordinate with campus Landscape Architect	Campus Standard -Division 4	See Campus Standards	Project Specific	See Campus Standards	PM	HFS/ G(?)	
10.b		Wall caps		Limestone/ Architectural precast; campus standard - coordinate with campus Landscape Architect	Campus Standard -Division 4	See Campus Standards	Project Specific	See Campus Standards	PM	HFS/ G(?)	Skateboard Proof- utilize campus standard detail for edges

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11		Lighting									
11.a		Site		Campus standard - coordinate with campus Electrical AHJ	Campus Standard - Section 16530	See Campus Standards	Project Specific	See Campus Standards	PM/	HFS/M	LED preferred
11.b		Eave Lighting		Campus standard LED - coordinate with campus Electrical AHJ	Campus Standards - Section 16510	See Campus Standards	Project Specific	See Campus Standards	PM/	HFS/M	LED preferred; See footnote (a)
11.c		Entryway lighting		Campus standard - coordinate with campus Electrical AHJ	Campus Standards - Section 16510	See Campus Standards	Project Specific	See Campus Standards	PM/	HFS/M	LED preferred
12		Site ADA Requirements		Code / Campus Standard	N/A	N/A	N/A	N/A			
		Entry Vestibule									
13		Flooring									
13.a		Material		Concrete	N/A	N/A	Project Specific	N/A			
13.b		Entry Walk off mat		Hercules Nop Walk-off mat at entries -glue down carpet tile type	Van Dijk Contract	Hercules Nop Tile; CU Standard	Minimum length 10'-0"; Other dimensions specific to entry vestibule size	7-Grijs	PM/	HFS/ FS	Explore recessed walk-off mats and grates to 18' inside entry if possible.
14		Security									
14.a		C-Cure	All exterior doors	*See attached IT specs; C-Cure card reader locks on all entrance/exit doors	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	PM (for coordination with campus entities and contractor)/ AS	AS	
14.b		Cameras	Interior side of all entry doors, reception desk	*See attached IT specs	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	PM/ HIT	HIT	
15		Entry ADA Requirements		Campus Standard- automatic opener	Campus Standards - Section 08710	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS/M	
		Interior									
		Lobby / Common Areas									
16		Flooring -Public Areas									
16.a		Carpet		Carpet with carpet base; 4" high carpet base with bound edge to match carpet; Provide Fairmont 30 oz. pad or approved equal	Shaw Contract Group	Project Specific	Project/ Location Specific	Project Specific	PM	HFS	weight- \$ allowance; Carpet is only used to match existing in a renovation
16.b		Tile		Porcelain Tile	Campus Standard - Section 09300	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	no light colored tiles shall be approved. Coordinate with HFS PM. May consider a vinyl flooring material such as Amtico.
16.c		Carpet tile		Carpet Tile	Shaw Contract Group	Project Specific	2' x 2' Tiles	Project Specific	PM	HFS	weight- \$ allowance; Carpet Tiles are the new standard for renovations and new building -ensure colors are not too light.
16.d		Other		Concrete	Stained concrete	N/A	Project/ Location Specific	Project Specific	PM	HFS	General cost for stained concrete
17		Walls									
17.a		Paint*****		General public areas	sherwin williams - Campus Standard - Section 09900	See Campus Standards	N/A	Project Specific	PM	HFS	Color specific to design
17.b		Other		Specific to design	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS	
18		Ceilings									
18.a		Lay in/grid		Campus standard	Campus Standard - Section 09510	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	
18.b		Gyp board soffits		Campus standard	Campus Standard - Section 09260	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	

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19		Lighting									
19.a		General		T-8 Fluorescent - LED (preferred); no halogen	Campus Standards - Division 16	See Campus Standards	4' - T8	See Campus Standards	PM	HFS	
19.b		Accent		LED - preferred; CFL; no halogen	Campus Standards - Division 16	See Campus Standards	Project Specific	Project Specific	PM	HFS	
36.a		Occupancy sensor	In all public areas, bathrooms, mechanical rooms, electrical rooms, IT rooms, offices and custodial closets	Turns lights on in an area when senses movement and turns lights off when area not occupied	Hubbell for general occupancy sensor; Use Novitas for bathrooms/ wet areas. Use programmed start ballasts.	TBD	N/A	N/A	PM	HFS	
20		Furniture									
20.a		Chairs		By design team -TBD	Sauder -TBD	Sauder -TBD	N/A	Project Specific	PM	HFS	Coordinate with HFS Bus. Ops.
20.b		Sofas		By design team -TBD	Sauder -TBD	Sauder -TBD	N/A	Project Specific	PM	HFS	Coordinate with HFS Bus. Ops.
20.c		Tables		By design team -TBD	Sauder -TBD	Sauder -TBD	N/A	Project Specific	PM	HFS	Coordinate with HFS Bus. Ops.
21		A-V Equipment		Smart box control center, projector and projector screen as specified by CU ITS department.	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	N/A	N/A	PM/ITS	HFS	
21.a		Projector		Manual or powered; Campus standard- PM to coordinate with campus ITS	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	N/A	N/A	PM/ ITS	ITS	
21.b		Screen		Campus standard- PM to coordinate with campus ITS	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	N/A	N/A	PM/ ITS	ITS	
21.c		Monitor		LCD screen for CATV viewing	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	42" Screen (Typical)	Black	PM/ ITS	ITS	
22		Window coverings	On selected exterior glass openings; community rooms and classrooms	Mini Blinds and Black Out Shades	Mini Blinds - Hunter Douglas Black out shades- Thermo Veil	0900 Series	Window specific	Mini Blinds- Black Black Out Shades- _____	PM	HFS	Coordinate with room use
23		Water Stations	various halls -one per building	Triple filtered - see comments	current standard type - refer to HFS Maintenance for exact model	TBD	TBD	TBD	PM	HFS	purified stations only in those locations that have been approved by HFS.
24		Drinking Fountains		Campus standard	Campus Standard - Section 15440	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	Drinking fountains are installed per Building Code; the minimum number of drinking fountains changes based on the addition of a water station
26		Fire Alarms/ Smoke Detectors		Addressable intelligent system by Simplex Grinnell as per CU FLS standards	Campus Standard - Section 16720	See Campus Standards	N/A	N/A	PM/ AHJ	HFS	
27		DDC Controls		DDC System with "Smart" thermostat, set at 68-75 degrees	Campus Standard - Sections 15950 thru 15959 inclusive	See Campus Standards	N/A	N/A	PM	HFS	
28		Lobby / common Area ADA Requirements		Flooring texture /access / path of travel	Must comply with Building Codes/Campus Standards	N/A	N/A	N/A	PM	HFS	
		Trash Bins									Coordinate with Trash container size

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29	Front Desk										
29.a		Counter		Counter Top	Avonite / Corian / Granite Slab	N/A	Project Specific	Project Specific	PM	HFS	
			Face of counter partition- public side	Solid surface; floor to underside; Ceramic/ Glass tile	Project Specific	N/A	Project Specific	Project Specific	PM	HFS	Or other abuse resistant surface
29.b		Shelving		Laminate - Malamine	Project Specific	N/A	Project Specific	White	PM	HFS	
29.c		Cabinets		Laminate / stained wheat board	Project Specific	N/A	Project Specific	Project Specific	PM	HFS	
29.d		Computer Equipment -inclusive		*See attached IT specs	*See attached IT specs	*See attached IT specs	*See attached IT specs	*See attached IT specs	PM/ HIT	HIT	
29.e		Storage		Laminate	Melamine	N/A	Project Specific	Project Specific	PM	HFS	
29.f		Furniture									
29.g		Chair		Task chair	CCI	Dauphin Task Chair with Arms	20"W x 19"D x 45"H	Project Specific	PM	HFS	Coordinate with HFS Bus. Ops.
29.i		Bulletin boards		**HFS Standard- See Attached	**See attached bulletin board standards	**See attached bulletin board standards	**See attached bulletin board standards	**See attached bulletin board standards	PM	HFS	
29.j		General lighting		T-8 Fluorescent - LED (preferred); no halogen	Campus Standards - Division 16	See Campus Standards	4' - T8; LED preferred	See Campus Standards	PM	HFS	
		Task Lighting		LED - preferred / CFL	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS	
30	Offices -ResLife staff										
		Furniture									
30.a		Desk		Project Specific	CCI	Project Specific; Waterfall series suggested	Project Specific	Project Specific	PM	HFS	Coordinate with HFS Bus. Ops.
30.b		Chair		Project Specific	CCI	Dauphin Managerial Chair- Black mesh seat	Project Specific	Black	PM	HFS	
30.c		Shelving/ Bookcase		Project Specific	CCI	Project Specific	Project Specific	Project Specific	PM	HFS	
30.d		Other		Project Specific	CCI	Project Specific	Project Specific	Project Specific	PM	HFS	
30.e		Door hardware		*See attached IT specs- Salto Locks	*See attached IT specs	*See attached IT specs	*See attached IT specs	*See attached IT specs	PM/ AS	PM/ AS	
31	Elevators										
31.a		Ceilings		Campus Standard	Campus Standards - Division 14	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	
31.b		Flooring		Azrock VCT Solidar	Azrock	HTS20	12" X 12"	Charcoal	PM	HFS	
31.c		Walls		Campus Standard	Campus Standards - Division 14	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	
31.d		Lighting		Campus Standard; No Halogen	Campus Standards - Division 14	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	
31.e		Controls		Must be wired for a security card reader and cameras	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	PM	HFS	

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32	Interior Doors-General										
32.a		Hardware	On all interior doors	Spring hinges are installed on middle and bottom hinge of student doors -deadbolts and key pads for student rooms only. *This may change depending on the type of closers HFS decides to use- still TBD	TBD	TBD	N/A	Chrome	PM/ AS	HFS/Access Services	No holes larger than 1" dia. are allowed per NFPA 80. Ensure spring tension is adjusted so that the door closes and latches from a 60 d. open angle.
		Security- Hardware	On all interior doors except at hallway bathrooms	*See attached IT specs- Salto Locks	*See attached IT specs	*See attached IT specs	*See attached IT specs	*See attached IT specs	PM/ AS	AS	
32.b		Material	All interior doors	Marshfield flush wood doors with thermal fused faces/ Solid core FSC certified doors with plastic laminate finish	Marshfield Door Systems, Inc.	N/A	Project/ Location Specific	Project Specific	PM	HFS	
32.c		Signage	Outside of/ Next to door in hallway on latch side of door	Standard room signage as per CU standards; Locate surface-mounted signs on the wall adjacent to the latch side of the door (or the nearest adjacent wall) at 60" above finished floor from the centerline of the sign (any size) and out of the swing of the door. Mount signs with right edge 4" from inside face of the door jamb.	Campus Standards - Section 10400	See Campus Standards	See Campus Standards	See Campus Standards- White background with black lettering	PM	HFS	
33	Student Corridor										
33.a		Doors	Separation doors between public spaces and student rooms	Marshfield - with code allowed glazing	Marshfield Door Systems, Inc.	N/A	Project/ Location Specific	Project Specific	PM	HFS	Fire rated if required. For all Student ADA access to wings, student rooms and bathrooms electronically activated, pneumatic ADA door openers will be standard. Student access will be via a 'clicker' remote.
33.b		Security	On all doors that separate public spaces and student room areas	*See attached HIT specs- C-Cure Locks	*See attached IT specs	*See attached IT specs	*See attached IT specs	*See attached IT specs	PM/ AS	AS	
33.c		Flooring		Carpet tiles with carpet base	Shaw	project specific	project specific	project specific	PM	HFS/ FS	No light colors. See public area notes
33.d		Flooring at bath entries		Porcelain Tile w/ dark grout	Campus Standards - Section 09300	project specific	project specific	project specific	PM/	HFS/ FS	No light colors
33.e		Wall base		Rubber	Campus Standard	Campus Standard	4" or 6"	project specific	PM	HFS	
33.f		Paint*****		Low VOC Paint	sherwin williams	Project Specific	N/A	Project Specific	PM	HFS	
33.g		Ceilings		Lay-in or gyp. Bd. Soffits	Campus Standard - Section 09260	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	
33.h		Tack boards		**HFS Standard- See Attached	**See attached bulletin board standards	**See attached bulletin board standards	**See attached bulletin board standards	**See attached bulletin board standards	PM	HFS	
33.i		Water fountains		Campus Standard	Campus Standard - Section 15440	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	Drinking fountains are installed per Building Code; the minimum number of drinking fountains changes based on the addition of a water station - fountains shall have goosenecks as part of the fixture
33.j		Lighting		T-8 Fluorescent - LED (preferred); no halogen	Campus Standards - Division 16	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	
33.k		After hours lighting		Switch off every other fixture	N/A	N/A	N/A	N/A	PM	HFS	On timers
33.l		Signage		Standard signage as per CU standards	Campus Standards - Section 10400	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	

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Corridor Niches											
34		Counter		Solid surface	Avonite/ Corian	N/A	Project Specific	Project Specific	PM	HFS	
34.a		Disposal		HFS standards	Campus Standards - Section 15440	See Campus Standards	N/A	N/A	PM	HFS	
34.c		Sink		HFS standards	Stainless Steel - Campus Standards - Section 15440	See Campus Standards	Single Bowl	Stainless Steel	PM	HFS	New water filling station, or at minimum - gooseneck spigot
34.d		Plumbing hardware		HFS standards	Delta -Campus Standards - Section 15440	See Campus Standards	N/A	N/A	PM	HFS	
34.e		Cabinets		Laminate w/ melamine shelving	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS	
34.f		Niche flooring		Ceramic tile w/ dark grout	Campus Standards - Section 09300	Project Specific	Tile installed on floor in front of sink niches to a depth of 2 feet	Project Specific	PM	HFS	
34.g		Lighting		LED / CFL down lights	Campus Standards - Division 14	Project Specific	Project Specific	Project Specific	PM	HFS	
Student Rooms											
35		Door		Marshfield solid core doors with plastic laminate faces	Marshfield Door Systems, Inc.	Extra heavy duty 5-ply particle core doors with plastic laminate	3'0" X 6'8" min.	Project Specific	PM	HFS	No holes larger than 1" dia. are allowed per NFPA 80
		Door Security Hardware		*See HIT Standards attached- Salto w/ key pad	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	PM/ AS	AS	
35.a		Door hardware		Spring hinges are installed on middle and bottom hinge of student doors -deadbolts and key pads for student rooms only. *This may change depending on the type of closers HFS decides to use- still TBD	TBD	TBD	N/A	Chrome	PM/ AS	AS	For all Student ADA access to wings, student rooms and bathrooms electronically activated, pneumatic ADA door openers will be standard. Student access will be via a 'clicker' remote.
		Door closer		TBD	TBD	TBD	TBD	Chrome- To match hinges and handles	PM/ AS	HFS	
35.b		Door viewer		HFS standard - Must be a locking viewer	N/A	N/A	N/A	N/A	PM	HFS	
35.c		Door mounted tack/white board	One on the corridor side of every student room door **offset to account for door lever	Provide one 18"W x 30"H aluminum framed markerboard (no marker tray) and one 18"W x 12"H tackboard	Housing's technical criteria does not specify a manufacturer or model number; this can be ordered through Bill Goodgion	N/A	Marker board: 18"W x 30"H Tackboard: 18"W x 12"H	N/A	PM	HFS	
35.d		Evacuation map	Back of student room doors	One map on the back of every student room door covered in Plexiglass	HFS creates maps; FM CAD Office has current floor plans of all buildings	N/A	11" x 17"	N/A	PM	HFS	Check with Res Life for other materials prior to move-in.
36		Over head lighting	Ceiling; no wall mounted fixtures; fixtures must not interfere with potential lofting of beds	One fixture in each student room with 2 lamps and dual switch T-8	Campus Standards - Division 16	Campus Standards - Division 16	4'0" long	N/A	PM	HFS	
37		Flooring		Amtico	Amtico	N/A	4 1/2" or 6" width	To coordinate with room doors	PM	HFS/ ES	Can be used under in-room vanity sinks, where applicable.
37.a		Wall base		Rubber	Campus Standard	Campus Standard	4" or 6"	Project specific	PM	HFS	
38		Paint*****	Walls, ceiling, door	Per design scheme; Low VOC	sherwin williams	Project Specific	N/A	Project Specific	PM	HFS	Project specific or typical Birch white
39		Ceilings		Gypsum board	see above	see above			PM	HFS	
40		Closet		Each bed shall have one closet 3'-6" wide by 2'-0" deep, with one, 12" deep fixed shelf and coat rod	N/A	N/A	3'-6" W x 2'-0" D; 12" W shelf	Project Specific	PM	HFS	
40.a		Closet door		Marshfield solid core doors with plastic laminate faces	Marshfield Door Systems, Inc.	N/A	Project/ Location Specific	Project/ Location Specific	PM	HFS	Closet doors put on in Singles, Suites and ADA rooms; Res Life driver behind decision
40.b		Closet door hardware		Roller latches	N/A	N/A	N/A	N/A	PM	HFS	

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41		Windows		Operable windows required in all student rooms	N/A	N/A	N/A	N/A	PM	HFS	With screens
41.a		Window sensor switch		Magnetic switch to disable FCU.			N/A	N/A	PM	HFS	
41.b		window coverings		2" Solaire Angle Slat Blind	3 Day Blinds or equal	Dependant on manufacturer	2" thick slats	Alabaster	PM	HFS	
42		Smoke detectors/ alarms		Addressable intelligent system by Simplex Grinnell as per CU FLS standards	Campus Standard - Section 16720	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	
43		Furniture									
43.a		Desk		Solid oak table desk with matching laminate top; keyboard tray included as standard; Finished natural oak 2-1/4" square table legs	Thurston	NO. 133-42 (KT)	42" L x 24" W x 30" H	Finished natural oak	PM	HFS	PM to coordinate all delivery and installation issues. Coordinate with HFS Bus. Ops.
		Desk Shelf/ Hutch	Desk Top	Solid oak 2 shelf desk top hutch; Steel pins 1/4"D x 1 1/4"L bottom of hutch and desktop drilled to except pins	Thurston	NO. 208-C9 (PA)	40" L x 9" W x 28" H	Finished natural oak	PM	HFS	Coordinate with HFS Bus. Ops.
43.b		Chair		Sauder "Trey" task chair with casters for hard surfaces	Sauder	NO. 702-0650		Fabric: Shire, Espresso (Grade A)	PM	HFS	Coordinate with HFS Bus. Ops.
43.c		Dresser		Solid oak extra deep 3 drawer chest; three drawers of equal size, top edges are 3mm thick PVC, drawer fronts with plunge pulls	Thurston	NO. 203-24	32" L x 24" W x 30" H; 32" L x 30" W x 30" H	Finished natural oak	PM	HFS	Coordinate with HFS Bus. Ops.
		File Cabinet		Solid oak 2 drawer file unit; Unit includes: 2 drawers of equal size, bright brass plated swing arm lock system on top drw only, top edges are 3mm thick PVC, drawer fronts with educational pull a bottom edge	Thurston	NO. 140-G (SL)	17" L x 22" W x 26" H	Finished natural oak	PM	HFS	Coordinate with HFS Bus. Ops.
43.d		Armoire		Come with rooms that have 3 or more students	Thurston; or equivalent	Varies; dependant on manufacturer		Finished natural oak	PM	HFS	Coordinate with HFS Bus. Ops.
43.e		Bed		Extra long twin bed	Thurston	NO. 146-HW-3	36" x 80" (mattress)	Finished natural oak	PM	HFS	Coordinate with HFS Bus. Ops.
43.f		Mattress		Extra long twin mattress; Seamless mattresses	University Sleep Products, Inc., or equivalent	Varies; dependant on manufacturer	36" x 80" (mattress)	N/A	PM	HFS	Coordinate with HFS Bus. Ops.
43.h		Area rug		Natco Area Rugs	Natco	Berber Serged	6' x 9'	Dark Colors	PM	HFS	Currently checking on pricing of 6' x 8' rug, may become standard in the future; Coordinate with HFS Bus. Ops.
43.i		Desk lamp		Individual desk lamp supplied for each student with CFL bulb	Changes depending on technology, pricing, qaality, etc.	Varies; dependant on manufacturer	N/A	Black	PM	HFS	Coordinate with HFS Bus. Ops.
43.g		Wall tackboard		Fabricmate tackboard for each student	Fabricmate Systems	Interactive Panel System with square edge profile, reCore substrate; Edges: Resin-hardened w/ square edge; Mounting: Adhesive	10'-0" L x 5'-0" H; 5/8" thickness	2100 FR701 fabric or alternate color as selected by ResLife	PM	HFS	Student room tack boards cannot be prefabricated, but must be constructed in the field
43.j		Recycling bins		Provided by HFS- ENVS; 28½ quart blue rectangular wastebasket	Rubbermaid	Rubbermaid Part #: 2956	28.5 Quart; 10¼" X 15" X 14 3/8"	Blue	PM	HFS/ ES	
43.k		Trash bins		Provided by HFS- ENVS; 28½ quart black rectangular wastebasket	Rubbermaid	Rubbermaid Part #: 2957	28.5 Quart; 10¼" X 15" X 14 3/8"	Black	PM	HFS/ ES	
43.l		Micro fridge		Mini Fridge with attached Micro Wave	Micro Fridge/ Maytag	2.9MF-7TPX-Black	19"W x 19 1/4"D x 43 1/2"H	Black	PM	HFS	Coordinate with HFS Bus. Ops.
43.m		Ice trays		HFS standard	Comes with micro fridge	N/A	N/A	N/A	PM	HFS	
44		Receptacle switching		Phantom load switches***	TBD	TBD	TBD	TBD	TBD	HFS	
		Occupancy Sensors		Vacancy Sensors****	TBD	TBD	TBD	TBD	TBD	HFS	
45	ADA Student Room										

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Item Number	General Location	Item Description	Item Location	General Description	Manufacturer	Model #	Dimensions	Acceptable colors	Initial Responsibility	Maintenance Responsibility	Comments	
46		Door/Entry		**see room requirements above - needs to comply with ADA requirements.	**see room requirements above needs to comply with ADA requirements.	See Campus Standards	See Campus Standards	See Campus Standards	PM/ AS	AS	For all Student ADA access to wings, student rooms and bathrooms electronically activated, pneumatic ADA door openers will be standard. Student access will be via a 'clicker' remote. No holes larger than 1" dia. are allowed per NFPA 80	
46.a		Opener		**	**	See Campus Standards	See Campus Standards	See Campus Standards	PM/ AS	AS	See above requirements	
47		Furniture		**	**	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	See above requirements	
48		Bathroom		**	**	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	See above requirements	
49		Other special requirements		**	**	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS	See above requirements	
Community Bathrooms/Public Bathrooms												
50		Flooring										
50.b		Hallway- walk off	Outside of bathroom	Porcelain tiles -dark epoxy grout; Spanning the width of the corridor at every door to a Common Bathroom	Campus Standards - Section 09300	See Campus Standards	12" x 12"	Project Specific	PM	HFS		
		Interior		Ceramic - Slope bathroom floors to drains; provide a 3" floor drain in common areas	Campus Standards - Section 09300	See Campus Standards	2" X 2" Floor Tile	Project Specific	PM	HFS/ ES/ M	Slope bathroom floors to drains; provide a 3'-0" diameter area sloped around main floor drain in common area; provide slope to drains in the changing room/shower area. sanded epoxy grout in floor tiles, non-sanded grout<1/8" grout lines, sanded grout for grout lines >1/8"	
51		Wall base		Cove ceramic tiles	Dal Tile or equal	N/A	4" x 4", 6" x 6"	Project Specific	PM	HFS		
52		Paint*****		Direct-to-metal paint	sherwin williams	N/A	N/A	Project Specific	PM	HFS		
53		Walls										
53.a		Existing walls (renovations)		1/4" Hardi-backer glued and nailed to existing perimeter plaster walls	N/A	N/A	Project Specific	Varies with each bathroom; White with accent color	PM	HFS/ ES/ M		
53.b		Tile	Floor to ceiling	Ceramic tile with cove base; Accent tile band runs perimeter of bathroom	Campus Standards - Section 09300	Dependant on manufacturer	4" x 4" ceramic floor tile with epoxy grout	Varies with each bathroom; White with accent color	PM	HFS/ ES/ M	sanded epoxy grout in floor tiles, non-sanded grout<1/8" grout lines, sanded grout for grout lines >1/8"	
54		Ceilings		Direct-to-metal paint	Campus Standards - Section 09900	N/A	N/A	See Campus Standards	PM	HFS/ M		
54.a		Lighting		LED down lights. Renovation: Lighting may need to be added; damaged lighting to be replaced; conceal conduit; wire mold where necessary	Campus Standards - Division 16	N/A	N/A	N/A	PM	HFS		
57		Over counter lighting	Above mirror	T-8 fluorescent	Campus Standards - Division 16	N/A	N/A	N/A	PM	HFS		
54.b		Occupancy sensors (O/S)		Motion sensor on lighting system; Extreme temperature O/S in restrooms. Use programmed start ballasts.	Novitas	project specific	N/A	N/A	PM	HFS		
55		Electrical	Receptacles	New GFIC outlets in half walls behind lavatory counters	N/A	N/A	N/A	N/A	PM	HFS		
56		Counters		Corian solid surface lavatory counters with under mount bowls, 2" stainless steel legs under counters where needed. Trash holes in solid surface - fit to space	Avonite/ Corian	N/A	Project Specific	Project Specific	PM	HFS		
58		Trash bins		Provided by HFS- ENV5	Provided by HFS- ENV5	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS/ ES	new projects / renovations - use hole in vanity and undercounter trash bins	
59		Sinks		Solid surface	Avonite/ Corian	Project Specific	Project Specific	Project Specific	PM	HFS		
59.a		Faucet	4" center spacing on solid surface counter tops	Single Lever Handle Faucet with aerator	Delta	Mod. 511 WFHGMHDF; or D501 WFHGMHDF 1HDL LAV FCT CP	N/A	Chrome	PM	HFS		
59.b		Aerator			Niagra	3205FTP .5 GPM FEM AREATOR	N/A	Chrome	PM	HFS		

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60		Soap dispensers	Mounted under counter	Foam Soap 1250ml Dispenser: ADA Compliant	Waxie	5150-06-BCE00YL	6.2"W x 9.8"H x 5.1"D	Gray	PM	HFS/ ES	
61		Hand sanitizer	By exit at a height of 44"- 48" at bottom from the floor	5120-06 Foam Hand Sanitizer Dispenser; Push Valve; Wall Mount; ADA Compliant	Purell	SKU - 317849	5 1/8"H x 6 1/8"W x 10 9/16"D; 1.25 lbs	Gray	PM	HFS/ ES	
62		Hand dryers	Mounted on wall	Electric hands free	Dyson /Mitsubishi	AB02- Pre Cast Aluminum	25.25" H x 12" W x 10" D	Silver	PM	HFS/ M	
63		Paper Towels	Mounted on wall	OptiServ Hands-Free dispenser- Controlled roll towel dispenser; ADA compliant; cuts a pre-measured 11" towel for maximum usage control	OptiServ	76500 Silhouette OptiServ; UPC 0 85806 76500 1	11 11/16" x 16 11/16" x 9 7/16" (W"xH"xD"); 6.6 lbs	Black	PM	HFS/ ES	
64		Ancillary Shelving		46" high wall behind lav counters that functions as a small shelf	In House	N/A	3 5/8" stud or 2 5/8" stud depending on existing conditions (?)	Varies with each bathroom	PM	HFS/ ES	
65		Toilets		Toto low flow	Toto	Campus Standards - Division 15	N/A	White	PM	HFS/ M	
65.a		1.28 gpf flush valve see Campus Standards for water conservation.		Dual flush with signage explaining posted on wall behind toilet	Sloan/ Toto	Campus Standards - Division 15	N/A	Campus Standards - Division 15	PM	HFS/ M	
65.b		Toilet seats/ lids			Toto	Campus Standards - Division 15	N/A	White	PM	HFS/ M	
66		Urinals		Not typically used, Toto low flow	Toto	Campus Standards - Division 15	N/A	White	PM	HFS/ M	
67		Toilet partitions		Solid color reinforced composite partitions- Bobrick Sierra Series	Bobrick	Project Specific	Project Specific	Project Specific	PM	HFS/ M	
67.a		Toilet paper dispensers		GP Jumbo Jr. Two Roll Bathroom Tissue Dispenser; High capacity- holds two rolls up to 9" in diameter	Georgia-Pacific	MFG Item# 59209; UPC 073310592091	20.020" x 5.670" x 12.260" (W"x D"x H")	Translucent Smoke	PM	HFS/ ES (?)	
67.b		Sanitary napkin disposal	In all women stalls	Plastic wall mounted disposal receptacle	Rubbermaid	6140	n/a one size based on Model #.	white	PM	HFS/ M	
68		Mirrors	Behind sinks/counters	1/4" tempered; full counter width; backsplash to ceiling	Campus Standards - Section 08800	Project Specific	Project/ Location Specific	Chrome frame	PM	HFS	

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Item Number	General Location	Item Description	Item Location	General Description	Manufacturer	Model #	Dimensions	Acceptable colors	Initial Responsibility	Maintenance Responsibility	Comments
69		Showers									
69.a		Shower pans		Thermoformed solid surface shower pans with polyurethane spray foam underside void set in a bed of mastic; trim piece installed along front of shower pans and floor	In- house construction crew or contractor	N/A	To fit pan dim's.	Project Specific	PM	HFS/ M	
69.b		Shower walls		Seamless, solid surface panels; 2 robe hooks inside each shower stall; soap holders installed on partition walls	In- house construction crew or contractor	N/A	1/4" thick panels; 1/2" x 1/2" inside cove for trim	Project Specific	PM	HFS/ M	
69.c		Low Flow Shower head location		project specific	N/A	N/A	N/A	N/A			
69.d		Shower lighting		LED preferred/waterproof	Campus Standards - Division 16	Campus Standards - Division 16	N/A	N/A			
69.e		Shower Valve		CVR Monitor VLV	Delta	DT13091 CVR MONITOR VLV	N/A	Chrome	PM	HFS/ M	
69.f		Shower Rods and Curtains		Rods - CU Standards Curtains - Furnished by Owner	N/A	N/A	N/A	N/A	N/A	N/A	Coordinate Rod Height with curtain Length. Ensure curtain bottom lies within shower pan except at ADA roll-in Showers.
70		Exhaust fan		Project Specific	Project Specific	Project Specific	N/A	N/A			
71		Signage outside of restroom for cleaning times		By HFS/ ENVS	N/A	N/A	N/A	White background with black lettering	PM	HFS/ ES	Sign holders have been installed in new buildings and RAMPs; at this point no funding has been identified for installation in the remainder of buildings.
72		Plumbing		Install new ball valves for bathroom isolation (CU Standard); replace shower plumbing drains to main stack in renos; Install ball valves isolating lavatory banks (under counter)	Campus standards - Division 15	See Campus Standards	See Campus Standards	See Campus Standards	PM	HFS/ M	
72.a		Access Panels		Install access panels for maintenance issues	N/A	N/A	Location Specific	Location Specific	PM	HFS/ M	
72.b		Backflows		2" Red Pres Zone Assy; 3" Red Pres Zone Assy	FEBCO - Campus Standards Division 15	FEBCO 825Y; FEBCO 860	N/A	N/A	PM	HFS/ M	
72.c		Steam Traps	Room radiators		Tunstall or Armstrong	Tunstall TCAR-3002	N/A	N/A	PM	HFS/ M	
72.d		Wall Sound Insulation	in walls between bathroom and adjacent occupied rooms	add'l sound insulation in walls to match most stringent STC project requirement where bathrooms are adjacent to or contiguous with occupied rooms or spaces.	Campus Standards						STC 65
72.e		Doors to Corridor	Corridor to Bathroom	See "Student Room' Doors above							Ensure doors are recessed to the corridor so that they may swing out without restricting required exiting width.

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Item Number	General Location	Item Description	Item Location	General Description	Manufacturer	Model #	Dimensions	Acceptable colors	Initial Responsibility	Maintenance Responsibility	Comments
	Classrooms										
73				Smart box, protector and projector screen as specified by CU A/V department (ITS)	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	N/A	N/A	PM	ITS	
73.a				Manual or powered; Campus standard- PM to coordinate with campus ITS	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	N/A	N/A	PM	ITS	
73.b		Screen		Campus standard- PM to coordinate with campus ITS	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	N/A	N/A	PM	ITS	
73.c		Control 'hutch'		Smart box control center, projector and projector screen as specified by CU ITS department.	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	N/A	N/A	PM	ITS	
73.d		AV Equipment controls		Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	Per Campus ITS Standards - designers should review Appendix 9 of the Campus Standards	N/A	N/A			
		Security									
		C-Cure	All classroom doors	*See attached IT specs; C-Cure card reader locks on all entrance/exit doors	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	*See attached HIT specs	PM (for coordination with campus entities and contractor)/ AS	AS	
74		White Boards/ Chalk Boards		One per classroom- usually a chalkboard/white board combo	Campus Standards- Division 10; Section 10100	See Campus Standards for classrooms	Location Specific	N/A	PM	HFS/ M	
75		Flooring		Carpet tiles with carpet base	Shaw Contract Group	Project Specific	2' x 2' Tiles	Project Specific	PM	HFS/ M	
75.a		Wall base		Carpet Base; 4" high carpet base	Shaw Contract Group	Project Specific	Project Specific	Project Specific	PM	HFS/ M	
76		Paint*****		Project Specific	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS/ M	
76.a		Walls		sherwin williams Paint	sherwin williams	Project Specific	Project Specific	Project Specific	PM	HFS/ M	
76.b		Ceilings		Project Specific	sherwin williams	Project Specific	Project Specific	Project Specific	PM	HFS/ M	
77		Ceilings		Project Specific	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS/ M	Dimmable lighting or switching by zones
78		Lighting		Special/ Project Specific Lights; or T-8 Fluorescent - LED (preferred); no halogen	Project Specific; or Campus Standards - Division 16; Appendix 9	Project Specific; or Campus Standards - Division 16; Appendix 9	N/A	N/A	PM	HFS	
78.a		Occupancy sensors		Turns lights on in an area when senses movement and turns lights off when area not occupied	Hubbell for general occupancy sensor; Use Novitas for bathrooms/ wet areas	See Campus Standards	N/A	N/A	PM	HFS/ M	
79		Window coverings		Operable windows required with mini blinds and blackout shades	Black out Shades-Thermo Veil	0900 Series	Window specific	Mini Blinds- Black	PM	HFS/ M	With operable windows
80		Temporary cooling at "on campus" buildings	Large Classrooms	DX Cooling System	Project Specific	Project Specific	Project Specific	N/A	PM	HFS/ M	

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Item Number	General Location	Item Description	Item Location	General Description	Manufacturer	Model #	Dimensions	Acceptable colors	Initial Responsibility	Maintenance Responsibility	Comments
Small											
81		Furniture							PM	HFS	Coordinate with HFS Bus. Ops
81.a		Table		Stationary and Folding Tables	ERG international	Stationary: BF3060 Brandon stationary table w/T-Leg base; base 3mm PVC edge-black Folding: BR2448Brandon Folding Table lightweight base	Stationary: 24" x 48"; Folding: 30" x 60"	Project Specific	PM	HFS	Coordinate with HFS Bus. Ops
81.b		Chairs		Plylok Side Chair, upholstered seat and back, stacking	Sauder	702-8714	N/A	Sherpa Grey, Chrome Glides, Finish 71 Manilla	PM	HFS	Coordinate with HFS Bus. Ops
81.c		Tablet Arm Chairs		Plylok Side Chair, upholstered seat and back, with 14" wide folding tablet arm (right or left)	Sauder	702-8710	N/A	Sherpa Grey Fabric, Chrome Glides	PM	HFS	Coordinate with HFS Bus. Ops
Large											
82		Furniture							PM	HFS	Coordinate with HFS Bus. Ops.
82.a		Table		Stationary and Folding Tables	ERG international	Stationary: BF3060 Brandon stationary table w/T-Leg base; base 3mm PVC edge-black Folding: BR2448Brandon Folding Table lightweight base	Stationary: 24" x 48"; Folding: 30" x 60"	Project Specific	PM	HFS	Coordinate with HFS Bus. Ops.
82.b		Chairs		Plylok Side Chair, upholstered seat and back, stacking	Sauder	702-8714	N/A	Sherpa Grey, Chrome Glides, Finish 71 Manilla	PM	HFS	Coordinate with HFS Bus. Ops.
82.c		Tablet Arm Chairs		Plylok Side Chair, upholstered seat and back, with 14" wide folding tablet arm (right or left)	Sauder	702-8710	N/A	Sherpa Grey Fabric, Chrome Glides	PM	HFS	Coordinate with HFS Bus. Ops.
Faculty/ Hall Director Apartments											
83		ADA Requirements		Must meet ADA Code / campus requirements or be adaptable - ensure blocking in place	N/A	N/A	N/A	N/A	PM	HFS	
84		Utilities									
84.a		A/C		Split System	N/A	N/A	N/A	N/A	PM	HFS	
84.b		Electricity		Building System	N/A	N/A	N/A	N/A	PM	HFS	
84.c		Heating		Building System	N/A	N/A	N/A	N/A	PM	HFS	
84.d		Domestic Hot Water		Separate from building system- Provide electric hot water heater w/ drain	N/A	N/A	N/A	N/A	PM	HFS	
		Kitchen									
85		Appliances							PM	HFS	
85.a		Stove		Project Specific	G/E Energy Star or equal	Project Specific	Project Specific	Project Specific	PM	HFS	
85.b		Refrigerator		Project Specific	G/E Energy Star or equal	Project Specific	Project Specific	Project Specific	PM	HFS	
85.c		Disposal		Project Specific	G/E Energy Star or equal	Project Specific	Project Specific	Project Specific	PM	HFS	
85.d		Dishwasher		Project Specific	G/E Energy Star or equal	Project Specific	Project Specific	Project Specific	PM	HFS	
85.e		Microwave		Project Specific	G/E Energy Star or equal	Project Specific	Project Specific	Project Specific	PM	HFS	
86		Flooring		Amtico	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS	For tile: sanded epoxy grout in floor tiles, non-sanded grout<1/8" grout lines, sanded grout for grout lines >1/8"
87		Counters		Solid Surface	Avonite/ Corian	N/A	Project Specific	Project Specific	PM	HFS	
88		Sink		Stainless- Double bowl	Campus Standards - Section 15440	N/A	Project Specific	Project Specific	PM	HFS	
		Hardware		Stainless Steel	Delta - Campus Standards - Section 15440	N/A	Project Specific	Project Specific	PM	HFS	
89		Cabinets		Wood	N/A	N/A	Project/ Location Specific	Project/ Location Specific	PM	HFS	
90		Lighting		Project Specific- No Halogen	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS	
91		Wall materials							PM	HFS	
91.a		Paint*****		Semi-gloss	sherwin williams	Project Specific	Project Specific	Project Specific	PM	HFS	
91.b		Tile		Tile backsplash at kitchen counter	Campus Standards - Section 09300	Project Specific	Project Specific	Project Specific	PM	HFS	sanded epoxy grout in floor tiles, non-sanded grout<1/8" grout lines, sanded grout for grout lines >1/8"

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Item Number	General Location	Item Description	Item Location	General Description	Manufacturer	Model #	Dimensions	Acceptable colors	Initial Responsibility	Maintenance Responsibility	Comments
92		Bathrooms									
92.a		Flooring		Porcelain Tile w/ dark grout	Campus Standards - Section 09300	Project Specific	Project Specific	Project Specific	PM	HFS	sanded epoxy grout in floor tiles, non-sanded grout<1/8" grout lines, sanded grout for grout lines >1/8"
92.b		Walls		Ceramic Tile/ Paint	Campus Standards - Section 09300	Project Specific	Project Specific	Project Specific	PM	HFS	sanded epoxy grout in floor tiles, non-sanded grout<1/8" grout lines, sanded grout for grout lines >1/8"
92.c		Shower		Thermoformed shower pans with polyurethane spray foam underside void set in a bed of mastic; trim piece installed along front of shower pans and floor	In-house Construction Crew or contractor	N/A	Project/ Location Specific	Project Specific	PM	HFS	
92.d		Toilet		Toto Low Flow	Campus Standards - Section 15440	See Campus Standards	Project/ Location Specific	Project Specific	PM	HFS	
92.e		Sinks		Solid Surface	Avonite/ Corian	N/A	Project/ Location Specific	Project Specific	PM	HFS	
92.f		Counters		Solid Surface	Avonite/ Corian	N/A	Project/ Location Specific		PM	HFS	
92.g		Lighting		CFL	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS	
93		Bedrooms									
93.a		Ceiling fans		Project Specific	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS	
93.b		Flooring		Residential Carpet	39 oz / SY	Project Specific	Project/ Location Specific	Project Specific	PM	HFS	
93.c		Paint*****		Project Specific	sherwin williams	Project Specific	N/A	Project Specific	PM	HFS	
93.d		Lighting		CFL; Project Specific	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS	
		Power		Ensure adequate recepticles for lamps	N/A	N/A	N/A	N/A	PM	HFS	
94		Additional Equipment									
94.a		Washer		Project Specific	G/E Energy Star or equal	Project Specific	Project Specific	Project Specific	PM	HFS	
94.b		Dryer		Project Specific	G/E Energy Star or equal	Project Specific	Project Specific	Project Specific	PM	HFS	
94.c		Hot Water Heater		Project Specific; electric hot water heater with drain	Project Specific	Project Specific	Project Specific	N/A	PM	HFS	design team shall incorporate instantaneous hot H2O heaters as a backup during hall shut-downs.
		Dryer Venting		thru wall / roof venting	n/a	n/a	n/a	exterior metals are to be finished black	PM	HFS	exceptions may be made for ventless dryers - coordinate with Campus Fire Marshal and HFS.
95		Common areas (Living/ Dining Rooms)									
95.a		Flooring		Amtico	amtico	Project Specific	Project Specific	Project Specific	PM	HFS	PM shall review possible flooring alternates such as Amtico or other wood based laminate product.
95.b		Walls		Paint low VOC	sherwin williams	N/A	N/A	Project Specific	PM	HFS	
95.c		Lighting		CFL; Project Specific	Project Specific	Project Specific	Project Specific	Project Specific	PM	HFS	
97		Window coverings		Honey Comb- top down, bottom up	3 Day Blinds or equal	Dependant on manufacturer	Project Specific	Project Specific	PM	HFS	
96		General							PM	HFS	All FIR and HD apartments shall have independent utilities (heating, cooling and domestic water) for independence during building shutdown.
98		Storage Areas		Project Specific	N/A	N/A	Project/ Location Specific	N/A	PM	HFS	

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Item Number	General Location	Item Description	Item Location	General Description	Manufacturer	Model #	Dimensions	Acceptable colors	Initial Responsibility	Maintenance Responsibility	Comments
	Auxiliary Space										
99	Custodial closets										
99.a		Flooring		VCT	Campus Standards - section 09650	N/A	Project Specific	Project Specific	PM	HFS	
99.b		Wall base		Rubber	Campus Standards - section 09650	N/A	Project Specific	Project Specific	PM	HFS	
99.c		Paint*****		Semi-gloss	sherwin williams	Project Specific	Project Specific	Project Specific	PM	HFS	
99.d		Walls		FRP or stainless wall gaurd at mop sink on wall	N/A	N/A	At least 18" H	Project Specific	PM	HFS	
99.e		Ceilings		Paint	sherwin williams	Project Specific	Project Specific	Project Specific	PM	HFS	
99.f		Lighting		CFL with cage	Campus Standards - Division 16	Project Specific	N/A	N/A	PM	HFS	
99.g		Dilution stations		Provided by ENVS	N/A	Project Specific	N/A	N/A	PM	HFS	coordinate with HFS ES
99.h		Hose bibs		Required at mop sink	Campus Standards - Division 15	Project Specific	N/A	N/A	PM	HFS	
99.i		Storage		Rubbermaid Closet Organizer/ Tool Holder Kit; Mop and tool hangers	Rubbermaid; available from Northern Colorado Paper)	No. 1993	24" D x 36" W adjustable shelves on standards and brackets; 26" L stainless steel mop rack	N/A	PM	HFS	
99.j		Sink/ mop sink		Service Sinks	T & S Brass	B-0667-R6M SERV SNK FCT	At least 24" x 24"	N/A	PM	HFS	
99.k		Aerator		Aerator on Service Sinks; 1.5gpm FEM Aerator	Niagra	3215FTP	N/A	N/A	PM	HFS	
100	Storage Rooms										
100.a		Flooring		VCT	SEE ABOVE INFORMATION FOR CUSTODIAL CLOSETS	N/A	N/A	N/A	PM	HFS	
100.b		Wall base		Rubber	SEE ABOVE INFORMATION FOR CUSTODIAL CLOSETS	N/A	N/A	N/A	PM	HFS	
100.c		Paint*****		Semi-gloss	SEE ABOVE INFORMATION FOR CUSTODIAL CLOSETS	N/A	N/A	N/A	PM	HFS	
100.d		Walls		FRP at mop sink or stainless	SEE ABOVE INFORMATION FOR CUSTODIAL CLOSETS	N/A	N/A	N/A	PM	HFS	
100.e		Ceilings		Paint	SEE ABOVE INFORMATION FOR CUSTODIAL CLOSETS	N/A	N/A	N/A	PM	HFS	
100.f		Lighting		CFL with cage	SEE ABOVE INFORMATION FOR CUSTODIAL CLOSETS	N/A	N/A	N/A	PM	HFS	
100.g		Shelving		Project Specific	SEE ABOVE INFORMATION FOR CUSTODIAL CLOSETS	N/A	N/A	N/A	PM	HFS	
101	Laundry Rooms										
101.a		Washer/ Dryer -see comments for special requirements for dryer venting		Front loading only with Energy Star Certification; One W/D set per 35 students; Install card reader and connect all machines to reader; See HIT standards for readers	FURNISHED BY VENDOR	N/A	N/A	N/A	PM/ Vendor	Vendor	PM to coordinate with RL and Vendor. All dryer vents shall have a 'Lint Collection Box' installed in-line, made of corrosive resistant materials with filter material, easily accessed for maintenance. Design team shall determine need for 'power assist vent'
102	Exit Stairways (a)										
102.a		Signage		Campus Standard	Campus Standard - Section 10400	N/A	Campus Standard - Section 10400	Campus Standard - Section 10400	PM	HFS	
102.b		Walk-off material		Hercules Nop Walk-off mat at entries	Van Dijk Contract	Hercules Nop Tile; CU Standard	Specific to entry vestibule size	7-Grijs	PM	HFS	10'-0" minimum length
102.c		Stair treads		Rubber Vinyl	Roppe brand tread -see comments	Roppe brand tread	Project Specific	Tan-see comments;Black			Tan Roppe brand tread is being used at WVN because it shows less dust, dirt and footprints.
102.d		Railings		Campus Standard	Campus standard - Section 05500	See Campus Standards	See Campus Standards	Black	PM	HFS	

**Housing Facilities Standards
2016**

HFS Facility Project Standards		revised 1/29/2016									
Item Number	General Location	Item Description	Item Location	General Description	Manufacturer	Model #	Dimensions	Acceptable colors	Initial Responsibility	Maintenance Responsibility	Comments
103	Mechanical Items										
103.a		Pumps		Grundfos	Grundfos	Project/Location Specific	Project/Location Specific	N/A	PM	HFS	
103.b		Valves		Campus Standard	Campus Standard Division 15	See Campus Standards		N/A	PM	HFS	
		Steam		Campus Standard Division 15	Campus Standard Division 15	See Campus Standards	See Campus Standards	N/A	PM	HFS	
		Instaneous domestic water heater		Campus Standard Division 15	Armstrong	Project Specific	Project Specific	N/A	PM	HFS	
		Piping		Campus Standard Division 15	Campus Standard Division 15	See Campus Standards	See Campus Standards	N/A	PM	HFS	
		Steam control valves		Campus Standard Division 15	Siemens	Project Specific	Project Specific	N/A	PM	HFS	
		Steam traps		Campus Standard Division 15	Tunstle	Project Specific	Project Specific	N/A	PM	HFS	
		BAS / DDC controls		Campus Standard Division 15	Campus Standard Division 15	See Campus Standards	N/A	N/A	PM	HFS	Coordinate with HFS Maintenance
	Construction, Renovation and Remodeling Protocols										
		Salto Locks		Ensure all Salto Locks are ordered at least 12 weeks in advance of installation date; Salto has a firm 8-12 week lead-time							
		C-cure System		All network that supports Ccure and security cameras needs to be fully tested and online at least 2 weeks prior to needing a functional Ccure system; includes fiber connectivity to the building							
		Washers and Dryers		Dining Services is the liaison for all laundry equipment. Contact Juergen Friese regarding changes in all renovation and new projects. 3 week lead time for any changes.							
		Water heaters		Side by side, not stacked							
		Recycling / Reuse		***** see footnote below							
		Scheduling		No in-hall construction during the week prior to finals and quiet hours during finals.							
		light fixtures									no lighting fixtures in stairwell ceilings or above staircases - mount on adjacent walls. Follow all req'd codes.
	Foot Notes										
	(a) No light fixtures in stairwell ceilings, mount on walls. Exterior lighting should be positioned to allow for ease of maintenance.	*Attached IT specs from Jeff Spivey									
		**Attached HFS Bulletin Board Standards per ResLife 2010									
		***Phantom Load Switches- coordinate with PM. We consciously included them at WV-N, as it will have residents that fit the sustainability theme and wish to be there, and we hope will utilize the switches to save electricity.									
		****Vacancy Sensors in Student Rooms- coordinate wqith PM.									
		*****Provide Paint formulas for all paint colors.									
		*****All contractors and subcontractors shall make every effort to reuse and/ or recycle construction waste materials. Coordinate resources with HFS PM for CU criteria.									
		*****The use of intumescent paint as a thermal barrier is not acceptable.									
		*****The use of Halogen lamps is prohibited.									
		Campus reuse and recycling standards shall be incorporated into the HDS standards by reference									