

CITY OF COLLEGE PARK
Public Works Modular Building
REVISED GENERAL BUILDING SPECIFICATIONS 10/07/15

INCLUDING ATTACHED DIVISIONS 8 AND 9 SPECIFICATIONS, FINISH SCHEDULE AND DOOR SCHEDULE

CUSTOMER:	CITY OF COLLEGE PARK, DEPARTMENT OF PUBLIC WORKS	
BUILDING:	56'-0" X 66'-0" NOMINAL BOX SIZE – OPERATIONS BUILDING	
UNITS:	(4) 13'-9" X 66'-0" BOX SIZE MODULES	
CODE:	2009 IBC/EICC/MD	
OPTION LEED CERT: (SILVER)	<i>OPTION: BUILDING TO BE LEED CERTIFIABLE - SILVER</i>	
STATE:	MARYLAND	
FRAME:		
	TYPE:	PERIMETER
	MAIN BEAM:	12 X 16.0#/FT ROLLED
	X-MEMBER:	10 X 9#/FT AT 48" O.C.
	HITCH:	BOLT ON
	AXLES:	FIVE
	TIRES:	8.00 X 14.5, 12-PLY
FLOOR:		
	FLOOR SUPPORT SYSTEM:	FLOOR SYSTEM SHALL BE CAPABLE OF SUPPORTING THE DESIGN LOADS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AND PROVIDE SUFFICIENT SPACE TO ACCOMMODATE INSULATION IN ACCORDANCE WITH THE INTERNATIONAL ENERGY CONSERVATION CODE.
	INSULATION:	R-30 KRAFT FACED
	DECKING:	3/4" T & G U.L. PLYWOOD 5 PLY 5 LAYER (HELD BACK @ SEAMLINE WITH FINAL FINISH COMPLETED AT SITE).
	COVERING:	1/8" VINYL COMP. TILE IN ALL AREAS
	DUCT:	N/A
	BASE TRIM:	4" VINYL COVE BASE EXCEPT IN RESTROOMS; 6" VINYL COVE BASE IN RESTROOMS
	FLOOR HATCH:	36" X 36" BILCO STEEL FLOOR HATCH W/ DAMPENING HYDRAULIC CLOSE, QTY OF 2
	MOISTURE PROTECTION:	PROVIDE NON-WOVEN MOISTURE BARRIER ON BOTTOM OF FLOOR SUPPORT STRUCTURE AND 6 MIL POLYETHYLENE BARRIER UNDER SLAB
EXT. WALLS:		
	STUDS:	2" X 6" STUD GRADE @ 16" O.C. IBC FRAMING
	WALL HGT:	8'-0" FINISH CEILING HGT TO TOP OF T-GRID
	SHEATHING:	1/2" CDX PLYWOOD OR 7/16 OSB (SUBSTITUTE WOLMANIZED SHEATHING ON THE BOTTOM 48" AND COVER WITH ALUM. COIL STOCK ON BOTTOM 12 INCHES FOR RECESSED SET)
	MOISTURE PROTECTION:	PROVIDE NON-WOVEN MOISTURE BARRIER ON EXTERIOR WALLS
	INSULATION:	R-21 KRAFT FACED
	SIDING:	LOW MAINTENANCE HIGH DURABILITY STEEL
	TRIM:	NONE

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SKIRTING:	NONE (SHEATHING TO EXTEND TO BOTTOM OF FRAME WITH FLASHING AS REQUIRED)
INT. WALLS:	
WALLS	8'H UNFINISHED GYPSUM 5/8" 1-HOUR PARTITION UNFINISHED GYP TO TRUE CEILING (HELD BACK @ SEAMLINE WITH FINAL FINISH COMPLETED AT SITE)
COLOR:	TAPED, SPACKLED AND PRIMED BY FACTORY (POINT UP, FINAL FINISH AND PAINTING COMPLETED AT SITE) FLAT PAINT FINISH EXCEPT GLOSSY FINISH FOR RESTROOMS, LOCKER ROOMS, BREAK ROOM AND KITCHEN. SHERWIN-WILLIAMS OR SIMILAR. PRODUCTS SHALL BE BEST QUALITY, TOP OF THE LINE MATERIALS IN MANUFACTURER'S LABELED CONTAINERS. PREPARE AND CLEAN SURFACES PER THE MANUFACTURER'S INSTRUCTIONS. PROVIDE BARRIER COATS ON INCOMPATIBLE MATERIALS AND PRIMERS.
INSULATION:	R-11 UNFACED (9'-0"H THROUGHOUT BLDG.)
ROOF:	
RAFTERS:	2 X 12 S.P.F.#2 AT 16" O.C. TRANSVERSE RIDGE (30# L.L.)
MATE BEAM:	STEEL I-BEAM SIZED AS REQUIRED, MAX SPAN OF 32 FT
POSTS:	NO EXPOSED POSTS (POSTS CONCEALED IN PARTITION WALLS AS REQUIRED)
CEILING:	FISSURED SUSPENDED CEILING (24 X 48 TILE) FINISH CEILING OF 8'-0" TO TOP OF T-GRID (HELD BACK @ SEAMLINE WITH FINAL FINISH COMPLETED AT SITE)
TRUE CEILING:	1/2" UNFINISHED GYPSUM
INSULATION:	R-38 KRAFT FACED
SHEATHING:	7/16" OSB FR DECK
ROOFING:	60 MIL EPDM (WHITE). FURNISH AND INSTALL GUTTERS AND DOWNSPOUTS WITH LEADERS TO GRADE <i>OPTION: THERMOPLASTIC POLYOLEFIN (TPO) ROOF</i>
MANSARD:	NONE
MISC.:	PVC ROOF DRAINS AS REQUIRED (WITH PARAPET TYPE ROOF DESIGN AND CONCEALED ROOF LINE) (WITH INTERIOR CHASE WALLS AND DOWNSPOUTS AS REQUIRED)
VENTS:	AURA ATTIC VENT SYSTEM (SHIP LOOSE COLLARS AND CAPS – FINAL INSTALLED AT SITE)
DOORS:	MASTER KEYING ALL
EXT. DOORS:	REFER TO DOOR SCHEDULE AND DIVISION 8 – DOORS AND HARDWARE SPECIFICATION
INT. DOORS:	REFER TO DOOR SCHEDULE AND DIVISION 8 – DOORS AND HARDWARE SPECIFICATION

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WINDOWS:	
SIZE/STANDARD OF DESIGN:	36" BY 72" DBL HUNG ANDERSON 400 SERIES #TW30510 VINYL CLAD WOOD FRAME (DOUBLE INSULATED WINDOWS AND FRAMES) IS THE STANDARD OF DESIGN. APPROVED EQUIVALENTS ARE ACCEPTABLE.
GLAZING:	D.I.G. CLEAR (LOW "E") (NO MUNTINS)
INT. TRIM:	PRE-PAINTED
BLINDS:	1" VINYL MINI BLINDS AT EACH WINDOW
MISC.:	WITH INSECT SCREENS, QTY OF 15
ELECTRICAL:	
LOADCENTER:	120/240 V. 1-PHASE 60HZ, 3-WIRE MAIN SIZED AS REQUIRED QTY OF 1 MDP WITH J-BOXES IN OTHER MODS FOR CIRCUIT TERMINATION QTY OF 1 400 AMP MDP AND 1 200 AMP SUB-PANEL (MODS WITHOUT LOAD CENTERS W/ HAVE CIRCUIT TERMINATION BOXES
LOADCENTER:	ELECTRICAL CIRCUIT HOMERUNS ARE TO BE SUPPLIED AND INSTALLED AT SITE
WIRING:	COPPER ROMEX (12-2 W/G MIN) TYPE NM-B
WIRING:	MC CABLE IN CEILING CAVITY ONLY
INT. LIGHTS:	24" X 48" 3 TUBE FLUOR. (LAY-IN) ENERGY E TYPE W/OCCUPANCY LIGHTING CONTROLS, ACRYLIC LENSES QTY 36
MISC.:	LIGHTS TO HAVE ELECTRONIC BALLAST AND T8 BULBS
EXT. LIGHTS:	EXTERIOR PRE-WIRED J-BOXES W/ SWITCH FOR CUSTOMER'S SPOT LIGHTS, QTY PER DWG
EXT. LIGHTS:	60 WATT (SIMKAR #V5000), QTY PER DWG
EGRESS LIGHT:	EXIT/EMERGENCY LIGHT WITH BATTERY PACK QTY PER DWG
EGRESS LIGHT:	EXIT/EMERGENCY LIGHT WITH BATTERY PACK AND REMOTE HEAD, QTY PER DWG
RECEPTS:	110 VOLT 20 AMP
RECEPTS:	3 20 AMP DEDICATED DUPLEX & (1) QUAD 20 AMP FOR KITCHEN
RECEPTS:	4 EXTERIOR AND 3 INTERIOR GFCI AS REQUIRED
RECEPTS:	HEAT TAPE RECEIPT (GFCI PROTECTED)
SWITCHES:	110 VOLT 15 AMP
DATA DROPS:	1/2" NON-METALLIC CONDUIT TO CEILING CAVITY, QTY OF 10
FIRE ALARM:	INSTALL AND COORDINATE WITH SECURE ALARMS FOR MONITORING
TIME CLOCK:	TWO (2) LOCATIONS FOR TIME CLOCK DROPS (ELECTRICAL OUTLET & DATA EACH LOCATION) AS NOTED ON THE FLOOR PLAN
PLUMBING:	
WTR CLST:	CHINA TANK (HANDICAPPED), LOW FLOW, QTY 2
MOD PART:	STEEL, QTY 2

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URINAL:	WALL HUNG LOW FLOW TYPE, QTY 1
URINAL PART:	STEEL, QTY 1
LAVATORY:	CHINA WALL HUNG (HANDICAPPED), WITH ENERGY INFRARED FAUCETS, QTY 2
LAVATORY:	CHINA WALL HUNG (STANDARD), WITH ENERGY INFRARED FAUCETS, QTY 2
WTR HTR:	120 GALLON ELECTRIC (240 VOLT), QTY 1
SHOWER:	36" X 36" ONE PIECE FIBERGLASS W/ CURTAIN (STANDARD) QTY 1
SHOWER:	36" ONE PIECE FIBERGLASS W/ CURTAIN (HANDICAPPED) QTY 1
MISC. SINKS:	19" X 33" DOUBLE BOWL STAINLESS STEEL, WITH ENERGY INFRARED FAUCETS, WITH GARBAGE DISPOSAL, QTY 1
FLOOR DRAIN:	3" PVC, QTY OF 2
HOSE BIBB:	FROST PROOF, QTY OF 2
SUPPLY:	TYPE L COPPER OR PEX
DWV:	SCH 40 PVC MULTIPLE DROPS W/ MAIN MANIFOLD – SITE INSTALLED
R.RM. ACCESS:	TOILET PAPER HOLDER, QTY 2
R.RM. ACCESS:	GRAB BARS, QTY 2
R.RM. ACCESS:	18"W X 36"H S.S. FRAME MIRROR (HANDICAP ACCESS.) QTY 4
ICE MACHINE TRAY:	EVAPORATION/OVERFLOW TRAY FOR ICE MACHINE WITH DISCHARGE LINE TO SUMP AT BUILDING CRAWLSPACE
HWH TRAY:	EVAPORATION/OVERFLOW TRAY FOR HOT WATER HEATER WITH DISCHARGE LINE TO SUMP AT BUILDING CRAWLSPACE
HVAC:	
HEAT/COOL:	TWO 5-TON PAD-MOUNTED CONDENSERS WITH HIGH EFFICIENCY NAT GAS AIR HANDLERS MOUNTED IN THE CEILING CAVITY OF TWO OF THE MODULES. CONDENSERS & UNCHARGED REFRIGERANT LINES WILL BE SHIPPED LOOSE FOR INSTALLATION AT THE SITE. ALL DISCONNECTS, CONVENIENCE RECEPES. ELECTRICAL HOMERUNS, AND CHARGING AND BALANCING OF SYSTEMS TO BE INSTALLED AT THE SITE. UNITS ARE 120/240V SINGLE PHASE. NO PLENUM WALLS ARE REQUIRED SINCE THE AIR HANDLERS ARE LOCATED IN THE INTERIOR CEILING CAVITY. FIBERGLASS SUPPLY AND RETURN AIR DUCTWORK WILL BE LOCATED IN THE CEILING CAVITY OF EACH MODULE WITH 2'X2' SUPPLY AND RETURN AIR DIFFUSERS AS REQUIRED – INSTALLED BY CONTRACTOR
SUPPLY DUCT:	FIBERGLASS DUCT BOARD IN THE CEILING CAVITY
SUPPLY DIFF.:	24" X 24" LAY-IN W/ADJ. DAMPER
RETURN DUCT	FIBERGLASS DUCT BOARD IN THE CEILING CAVITY
R/A DIFF.	24" X 24" LAY-IN (WITH ADJUSTABLE DAMPER)
EXH. FAN:	180 CFM FAN (CEILING MOUNTED), QTY 4
THERMOSTAT:	PROGRAMMABLE THERMOSTATS, QTY 2
ICE MACHINE VENT:	ICE MACHINE VENTILATION & EXTRA A/C DAMPER

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FURNISHINGS:		
PER DWG	12 L.F.:	WALL CABINETS (WHITE LAMINATE)
PER DWG	12 L.F.:	BASE CABINETS (WHITE LAMINATE) W/LAMINATE COUNTERTOP
	LOCKERS AND BENCHES	<p>Contractor to provide and install the metal lockers (40 in Men’s Room and 6 in Women’s Room) and bench seating in the Men’s Room. Locker to be DeBourgh Angle Iron Framed Turn Out Locker. Expanded metal sides and door for maximum ventilation. 3-point/3-sided Cremona type turn handle latch for security and durability. Built-in 14 Gauge locker base. State of the art powder coat finish. Lifetime limited warranty. Lockers shall be 15” wide x 18” deep x 72” high with flat top. Interior shall have a top shelf and a clothes rod. Color shall be Ash Gray. Or equivalent.</p> <p style="text-align: center;">DeBourgh Mfg Company 27505 Otero Avenue P O Box 981 La Junta, CO 81050 800-328-8829 ATTN: KC Gillespie, kgillespie@debourgh.com</p>
PORTICO:		
		<p>THE PORTICO SHALL BE APPROXIMATELY 100 S.F. AND SHALL BE POSITIONED TO SHELTER THE EAST ENTRANCE AND TIME CLOCK AREA. THE PORTICO SHALL BE DESIGNED TO BEAR ON THE BUILDING AND ITS OWN COLUMNS AND FOUNDATIONS.</p>
NOTES:		
		<p>USE GROUP: BUSINESS TYPE: VB CONSTRUCTION (UNPROTECTED) OCCUPANT LOAD OF 93 MIN FIRE SEPARATION OF 11’ SINGLE WASTE MANIFOLD INSTALLED AT THE SITE ALL WOOD/LUMBER MUST BE CERTIFIED FOREST STEWARDSHIP COUNCIL (FSC) FOR SUSTAINABILTY. IN THE INTEREST OF MEETING “GREEN BUILDING” DESIGNS ATTRIBUTES AND EFFICIENCIES, THE MODULAR BUILDING MUST BE MANUFACTURED WITHIN 500 MILES OF THE PROJECT SITE. FURNITURE, FIXTURES & EQUIPMENT (FF&E) BY OTHERS</p>