

DBC Building Inspection Report

Date: 11/28/2007

Location:	Ft Campbell, KY		
Building Name:	Physical Fitness Facility		
Building Address	Range Road complex, located off Perimeter Road near Campbell Army Air Field		
Building Number	7037		
Beneficial Occupancy Date	Oct, 2005		
Local POC:	Miller Moore, USACE		
DBC Inspection Team Lead	Mike Grussing, ERDC-CERL		
DBC Inspection Team Members:			
	1	Mike Grussing	
	2	Sam Hunter	
	3		
Inspection Date Start	11/8/2007	Inspection Date Complete	11/8/2007
Baseline / Pilot	Baseline	Inspection #	1
Inspection Weather:	Sunny, 44 deg Farenheit		
Resulting Initial BCI:	Physical Fitness Center 99 (0-100 scale)		
Inspection Process Discription:	BUILDER Visual Distress Survey Inspection Process. Inspector observed distresses with input from building occupants/users.		
Comments:	<p>The survey encompassed all systems of physical fitness center on site. The initial component inventory for the building was developed previous to the site visit using construction drawings, and inventory was verified and adjusted during site-visit. The assessment scope included all aspects of the building deemed real property, including civil/structural, electrical, mechanical, and roofing. Overall building conditions for the initial survey were found to be excellent (BCI = 99 for all assets) and any distresses recorded were mostly minor and of low severity.</p> <p>Condition observations of note were: Poor/Inadequate ventilation in mens/womens locker rooms - potential for water/mold damage later in lifecycle; indications from building occupants of condensation on gym and hallway floors on humid days - potential for water damage later in lifecycle; indications by occupants of odd odors in summer months - may be caused by chiller exhaust entering building intake system; Broken keyed thermostat boxes in the weight rooms, minor dents and gouges on exterior doors, exterior privacy wall enclosing ext mech area showing shrinkage cracks, localized spalling, and effloresence stains; crack in brickwork below lintel on back entrance to facility; dented/damaged Chiller exterior piping insulation, but piping is not exposed.</p>		

Elevation of Physical Fitness Center



Crack in Brickwork below Lintel on back entrance



Cracks/Spalling on Exterior Equipment Privacy Wall



Efflorescence Stains on Exterior Equipment Privacy Wall



Dented Insulation on Exterior
Chiller Piping



Dents/Gouges on Interior Wood
Personnel Doors





System Inventory Report



Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

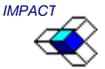
106B Physical Fitness Center 7037

Complex: Ft Campbell, KY (106B)

<i>System</i>	<i>Component</i>	<i>Section Description</i>	<i>Quantity</i>	<i>UM</i>	<i>Year Installed</i>	<i>Year Painted</i>
Electrical	Distribution	Electrical Category 1	36,000	SF	2005	
Electrical	Intercom	Commercial/Industrial	1	EA	2005	
Electrical	Lighting Controls	Gym Ctrls	2	EA	2005	
Electrical	Lighting Fixtures	4' Fluorescent Interior	103	EA	2005	
Electrical	Lighting Fixtures	Emergency Interior, 2 HEAD	4	EA	2005	
Electrical	Lighting Fixtures	Exit Interior, 1 SIDE LED	6	EA	2005	
Electrical	Lighting Fixtures	Fluorescent Interior, COMPACT 1-LAMP	41	EA	2005	
Electrical	Lighting Fixtures	High Bay Metal Halide High Intensity Discharge Interior	51	EA	2005	
Electrical	Lighting Fixtures	Pendant Fluorescent Interior	56	EA	2005	
Electrical	Lighting Fixtures	Wall Mnt Metal Halide High Intensity Discharge Exterior	9	EA	2005	
Electrical	Lightning Protection	N/A	500	LF	2005	
Electrical	Panels	LP Panelboard 200-400 AMP	1	EA	2005	
Electrical	Panels	MSB Switchboard 600-1200 AMP	1	EA	2005	
Electrical	Panels	PP1 Panelboard 200-400 AMP	1	EA	2005	
Electrical	Panels	PP2 Panelboard 200-400 AMP	1	EA	2005	
Electrical	Panels	PP3 Panelboard 200-400 AMP	1	EA	2005	
Electrical	Transformers	XFMR T1 Dry Type/Three Phase 5KV P-277/480V S(<225KVA)	1	EA	2005	
Exterior Closure	Exterior Door	Entrance Glass Personnel	8	EA	2005	
Exterior Closure	Exterior Door	Mech Room Metal Louver	2	EA	2005	
Exterior Closure	Exterior Door	Metal Personnel	5	EA	2005	
Exterior Closure	Exterior Wall	Masonry Face Brick w/ CMU Backup	30,000	SF	2005	
Exterior Closure	Exterior Wall Finish/Coverin	Base / Sill Masonry Stone	1,500	SF	2005	
Exterior Closure	Exterior Window	Aluminum Metal Fixed	16	EA	2005	
Exterior Closure	Exterior Window	Clerestory Metal Fixed	74	EA	2005	



System Inventory Report



Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

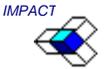
106B Physical Fitness Center 7037

Complex: Ft Campbell, KY (106B)

<i>System</i>	<i>Component</i>	<i>Section Description</i>	<i>Quantity</i>	<i>UM</i>	<i>Year Installed</i>	<i>Year Painted</i>
Exterior Closure	Soffit	Metal	650	SF	2005	
Fire Suppression	Fire Suppression	Sprinkler (Light Hazard) Wet	35,000	SF	2005	
Fire Suppression	Fire Suppression	Sprinkler (Ordinary Hazard) Wet	1,000	SF	2005	
Fire Suppression	Fire/Smoke Alarm	FACP System Automatic	1	EA	2005	
Fire Suppression	Fire/Smoke Alarm	Manual Pull Station	3	EA	2005	
Fire Suppression	Fire/Smoke Alarm	Speak/Strobe Unit	10	EA	2005	
Fire Suppression	Fire/Smoke Alarm	System Smoke Detector	6	EA	2005	
Fire Suppression	Standpipes	RISER Upfeed	30	LF	2005	
HVAC	Air Handling Unit	AHU-1 Central Station 16000-20000 CFM	1	EA	2005	
HVAC	Air Handling Unit	AHU-2 Central Station 16000-20000 CFM	1	EA	2005	
HVAC	Air Handling Unit	FC-1 Fan Coil (single) w/o Electric Heat 1-2 Tons	2	EA	2005	
HVAC	Chillers	ACC-1 Compression, Reciprocating 15 TN, air cooled	1	EA	2005	
HVAC	Control Systems	EMP Electronic	1	EA	2005	
HVAC	Control Systems	SF-A1-01 Electronic	1	EA	2005	
HVAC	Control Systems	SF-A2-01 Electronic	1	EA	2005	
HVAC	Ductwork	Insulated (Aluminum) Commercial (200-1000 SQ IN or 14-36 IN DIA)	200	LF	2005	
HVAC	Ductwork	Insulated (Aluminum) Industrial (>1000 SQ IN or >36 IN DIA)	300	LF	2005	
HVAC	Ductwork	Non-Insulated (Fiberglass) Residential (<200 SQ IN or <14 IN DIA)	400	LF	2005	
HVAC	Heating Unit/Plant	B-1 Boiler (Steel) Gas (Hot Water) 1960-2400 MBH	1	EA	2005	
HVAC	Heating Unit/Plant	UH-1 Unit Heater Electric	1	EA	2005	
HVAC	Heating Unit/Plant	UH-2 Unit Heater Electric	1	EA	2005	
HVAC	Other HVAC Equipment	Air Separator 12" Dia	1	EA	2005	
HVAC	Other HVAC Equipment	BCP-1 Circulating Pump	1	EA	2005	
HVAC	Other HVAC Equipment	CP-1 Circulating Pump	1	EA	2005	



System Inventory Report



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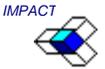
106B Physical Fitness Center 7037

Complex: Ft Campbell, KY (106B)

System	Component	Section Description	Quantity	UM	Year Installed	Year Painted
HVAC	Other HVAC Equipment	CP-2 Circulating Pump	1	EA	2005	
HVAC	Other HVAC Equipment	ET-1 Expansion Tank <100 GAL)	1	EA	2005	
HVAC	Other HVAC Equipment	ET-2 Expansion Tank <100 GAL)	1	EA	2005	
HVAC	Other HVAC Equipment	ET-3 Expansion Tank <100 GAL)	1	EA	2005	
HVAC	Other HVAC Equipment	RCP-4 Circulating Pump	1	EA	2005	
HVAC	Ventilation/Exhaust Equipme	EF-1 Industrial Active 1500-5000 CFM	1	EA	2005	
HVAC	Ventilation/Exhaust Equipme	EF-2 Industrial Active 1500-5000 CFM	1	EA	2005	
HVAC	Ventilation/Exhaust Equipme	EF-3 Industrial Active 635-1500 CFM	1	EA	2005	
HVAC	Ventilation/Exhaust Equipme	EF-4 Industrial Active 1500-5000 CFM	1	EA	2005	
HVAC	Ventilation/Exhaust Equipme	EF-5 Industrial Active 260-635 CFM	1	EA	2005	
HVAC	Ventilation/Exhaust Equipme	EF-6 Industrial Active <260 CFM	1	EA	2005	
HVAC	Ventilation/Exhaust Equipme	Exhaust Dryer	2	EA	2005	
HVAC	Ventilation/Exhaust Equipme	RF-1 Industrial Active 10000-20000 CFM	1	EA	2005	
HVAC	Ventilation/Exhaust Equipme	RF-2 Industrial Active 10000-20000 CFM	1	EA	2005	
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Interior Construction	Cabinet	Wood Base	7	EA	2005	
Interior Construction	Cabinet	Wood Wall	4	EA	2005	
Interior Construction	Countertop	Office Laminated Plastic	35	LF	2005	
Interior Construction	Countertop	Restroom Laminated Plastic	15	LF	2005	
Interior Construction	Interior Ceiling	Acoustical Suspended	1,100	SF	2005	
Interior Construction	Interior Ceiling	Drywall	4,200	SF	2005	2005
Interior Construction	Interior Door	Double Wood Personnel	6	EA	2005	
Interior Construction	Interior Door	Single Wood Personnel	8	EA	2005	
Interior Construction	Interior Floor Finish/Coverin	Gym Wood	16,000	SF	2005	2005
Interior Construction	Interior Floor Finish/Coverin	Quarry Tile	5,300	SF	2005	
Interior Construction	Interior Floor Finish/Coverin	Restroom / Locker Rm Ceramic Tile	3,000	SF	2005	
Interior Construction	Interior Floor Finish/Coverin	Sealed Epoxy	3,500	SF	2005	



System Inventory Report



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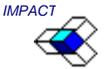
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Complex: Ft Campbell, KY (106B)

System	Component	Section Description	Quantity	UM	Year Installed	Year Painted
Interior Construction	Interior Floor Finish/Coverin	Weight/Exer Rooms Rubber	5,750	SF	2005	
Interior Construction	Interior Wall Finish/Coverin	Ceramic	4,000	SF	2005	
Interior Construction	Interior Wall Finish/Coverin	Drywall	1,000	SF	2005	2005
Interior Construction	Interior Wall Finish/Coverin	Masonry Clay Brick	2,000	SF	2005	
Interior Construction	Interior Wall Finish/Coverin	Masonry Concrete Block	20,000	SF	2005	2005
Interior Construction	Interior Window	Metal Fixed	6	EA	2005	
Interior Construction	Partition/Screen	Metal Privacy Screen	6	EA	2005	
Interior Construction	Partition/Screen	Metal Toilet Unit	11	EA	2005	
Plumbing	Other Plumbing Equipment	Backflow Preventor 3/4 - 2" Pipe	1	EA	2005	
Plumbing	Other Plumbing Equipment	WH-1 Water Heater Commercial	1	EA	2005	
Plumbing	Plumbing Fixtures	Lavoratory Sink Ceramic	11	EA	2005	
Plumbing	Plumbing Fixtures	Service Sink Fiberglass	2	EA	2005	
Plumbing	Plumbing Fixtures	Service Sink Metal	1	EA	2005	
Plumbing	Plumbing Fixtures	Shower Fiberglass Stall	7	EA	2005	
Plumbing	Plumbing Fixtures	Shower Gang Type	2	EA	2005	
Plumbing	Plumbing Fixtures	Toilet Ceramic	16	EA	2005	
Plumbing	Plumbing Fixtures	Urinal Ceramic	6	EA	2005	
Plumbing	Plumbing Fixtures	Water Cooler Wall Hung	2	EA	2005	
Roofing	Flashing (LF)	Metal Apron Flashing	400	LF	2005	
Roofing	Flashing (LF)	Metal Step Flashing	75	LF	2005	
Roofing	Roof Drainage	Aluminum Downspout	400	LF	2005	
Roofing	Roof Drainage	Aluminum Gutter	850	LF	2005	
Roofing	Roof Insulation	Rigid (Unknown Thickness)	42,500	SF	2005	
Roofing	Roof Surface	Metal Standing-Seam	42,500	SF	2005	
Site	Fencing/Privacy Wall	Masonry Commercial/Industrial	100	LF	2005	



System Inventory Report



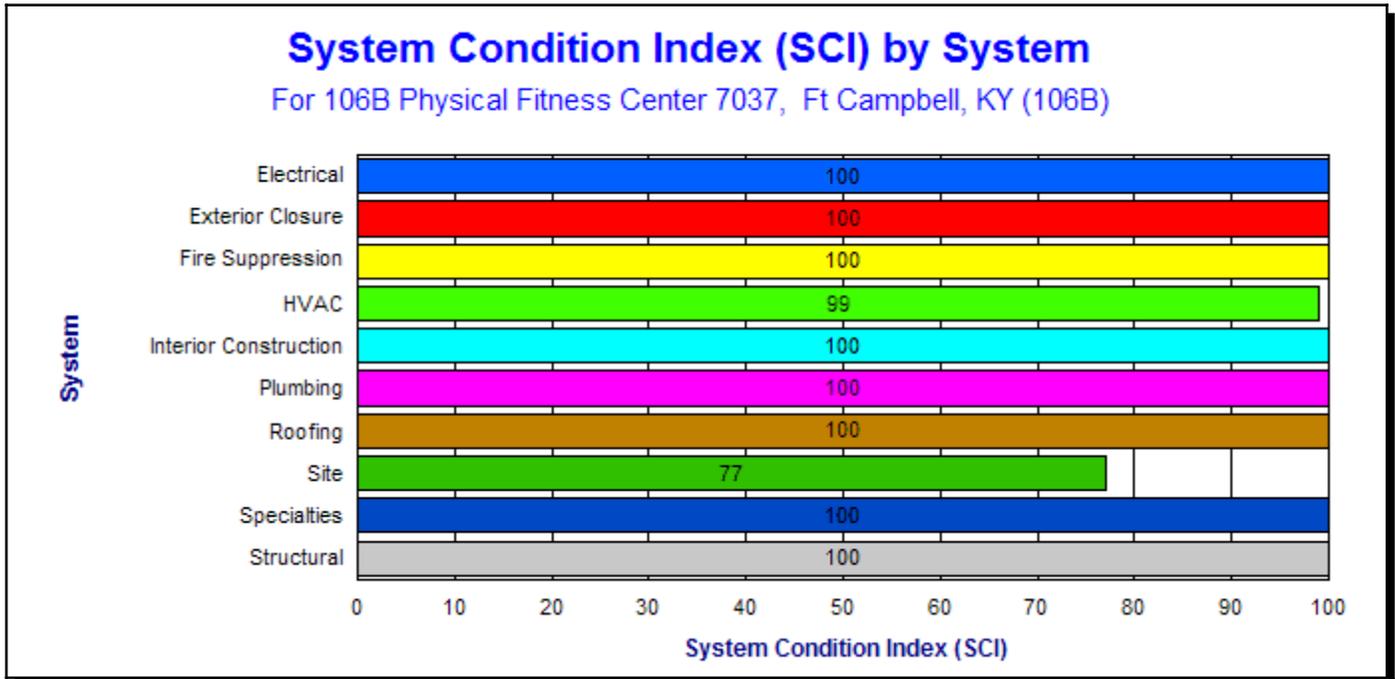
Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037

Complex: Ft Campbell, KY (106B)

<i>System</i>	<i>Component</i>	<i>Section Description</i>	<i>Quantity</i>	<i>UM</i>	<i>Year Installed</i>	<i>Year Painted</i>
Site	Pad	Equipment Concrete	400	SF	2005	
Specialties	Counter Doors (Coiling)	Metal Aluminum	6	LF	2005	
Specialties	Lockers	Box	392	EA	2005	
Specialties	Sauna	N/A	2	EA	2005	
Specialties	Seating	Movable (Bleacher)	10	EA	2005	
Structural	Flooring	Concrete Slab On-Grade	36,000	SF	2005	
Structural	Roof Deck	Metal	42,500	SF	2005	
Structural	Strip Footing	Concrete	600	LF	2005	
Structural	Truss	Gym Metal Roof	1,000	LF	2005	

Design-Build-Commissioning Study - Army - 106B
Physical Fitness Center 7037



<i>Inspected Systems</i>	<i>SCI</i>
Electrical	100
Exterior Closure	100
Fire Suppression	100
HVAC	99
Interior Construction	100
Plumbing	100
Roofing	100
Site	77
Specialties	100
Structural	100



Condition Index Detail Report



Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037

Complex: Ft Campbell, KY (106B)

System	Building CI (BCI)	System CI (SCI)	Comp CI (BCCI)	Section CI (CSCI)	Section Paint CI (CCI)	Last Inspection Date
Component	Section Description					[From Last Insp / Current Estimated]
Electrical						
Distribution	100	100	100	100 / 100		08-Nov-2007
Intercom	100	100	100	100 / 100		08-Nov-2007
Lighting Controls	100	100	100	100 / 100		08-Nov-2007
Lighting Fixtures	100	100	100	100 / 100		08-Nov-2007
Lighting Fixtures	100	100	100	100 / 100		08-Nov-2007
Lighting Fixtures	100	100	100	100 / 100		08-Nov-2007
Lighting Fixtures	100	100	100	100 / 100		08-Nov-2007
Lighting Fixtures	100	100	100	100 / 100		08-Nov-2007
Lighting Fixtures	100	100	100	100 / 100		08-Nov-2007
Lighting Fixtures	100	100	100	100 / 100		08-Nov-2007
Lighting Fixtures	100	100	100	100 / 100		08-Nov-2007
Lightning Protection	100	100	100	100 / 100		08-Nov-2007
Panels	100	100	100	100 / 100		08-Nov-2007
Panels	100	100	100	100 / 100		08-Nov-2007
Panels	100	100	100	100 / 100		08-Nov-2007
Panels	100	100	100	100 / 100		08-Nov-2007
Panels	100	100	100	100 / 100		08-Nov-2007
Transformers	100	100	100	100 / 100		08-Nov-2007
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Exterior Closure						
Exterior Door	100	100	99	100 / 100		08-Nov-2007
Exterior Door	100	100	99	94 / 94		08-Nov-2007
Exterior Door	100	100	99	94 / 94		08-Nov-2007
Exterior Wall	100	100	100	100 / 100		08-Nov-2007
Exterior Wall Finish/Covering	100	100	98	98 / 98		08-Nov-2007
Exterior Window	100	100	100	100 / 100		08-Nov-2007
Exterior Window	100	100	100	100 / 100		08-Nov-2007



Condition Index Detail Report



Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037

Complex: Ft Campbell, KY (106B)

System		Building CI (BCI)	System CI (SCI)	Comp CI (BCCI)	Section CI (CSCI) [From Last Insp / Current Estimated]	Section Paint CI (CCI)	Last Inspection Date
Component	Section Description						
Exterior Closure							
Soffit	Metal	100	100	100	100 / 100		08-Nov-2007

Fire Suppression							
Fire Suppression	Sprinkler (Light Hazard) Wet	100	100	100	100 / 100		08-Nov-2007
Fire Suppression	Sprinkler (Ordinary Hazard) Wet	100	100	100	100 / 100		08-Nov-2007
Fire/Smoke Alarm	FACP System Automatic	100	100	100	100 / 100		08-Nov-2007
Fire/Smoke Alarm	Manual Pull Station	100	100	100	100 / 100		08-Nov-2007
Fire/Smoke Alarm	Speak/Strobe Unit	100	100	100	100 / 100		08-Nov-2007
Fire/Smoke Alarm	System Smoke Detector	100	100	100	100 / 100		08-Nov-2007
Standpipes	RISER Upfeed	100	100	100	100 / 100		08-Nov-2007

HVAC							
Air Handling Unit	AHU-1 Central Station 16000-20000 CFM	100	99	99	100 / 100		08-Nov-2007
Air Handling Unit	AHU-2 Central Station 16000-20000 CFM	100	99	99	100 / 100		08-Nov-2007
Air Handling Unit	FC-1 Fan Coil (single) w/o Electric Heat 1-2 Tons	100	99	99	92 / 92		08-Nov-2007
Chillers	ACC-1 Compression, Reciprocating 15 TN, air cooled	100	99	97	97 / 97		08-Nov-2007
Control Systems	EMP Electronic	100	99	100	100 / 100		08-Nov-2007
Control Systems	SF-A1-01 Electronic	100	99	100	100 / 100		08-Nov-2007
Control Systems	SF-A2-01 Electronic	100	99	100	100 / 100		08-Nov-2007
Ductwork	Insulated (Aluminum) Commercial (200-1000 SQ IN or 14-36 IN DIA)	100	99	100	100 / 100		08-Nov-2007
Ductwork	Insulated (Aluminum) Industrial (>1000 SQ IN or >36 IN DIA)	100	99	100	100 / 100		08-Nov-2007
Ductwork	Non-Insulated (Fiberglass) Residential (<200 SQ IN or <14 IN DIA)	100	99	100	100 / 100		08-Nov-2007
Heating Unit/Plant	B-1 Boiler (Steel) Gas (Hot Water) 1960-2400 MBH	100	99	100	100 / 100		08-Nov-2007
Heating Unit/Plant	UH-1 Unit Heater Electric	100	99	100	100 / 100		08-Nov-2007
Heating Unit/Plant	UH-2 Unit Heater Electric	100	99	100	100 / 100		08-Nov-2007



Condition Index Detail Report



Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037

Complex: Ft Campbell, KY (106B)

System		Building CI (BCI)	System CI (SCI)	Comp CI (BCCI)	Section CI (CSCI) [From Last Insp / Current Estimated]	Section Paint CI (CCI)	Last Inspection Date
Component	Section Description						
HVAC							
Other HVAC Equipment	Air Separator 12" Dia	100	99	100	100 / 100		08-Nov-2007
Other HVAC Equipment	BCP-1 Circulating Pump	100	99	100	100 / 100		08-Nov-2007
Other HVAC Equipment	CP-1 Circulating Pump	100	99	100	100 / 100		08-Nov-2007
Other HVAC Equipment	CP-2 Circulating Pump	100	99	100	100 / 100		08-Nov-2007
Other HVAC Equipment	ET-1 Expansion Tank <100 GAL)	100	99	100	100 / 100		08-Nov-2007
Other HVAC Equipment	ET-2 Expansion Tank <100 GAL)	100	99	100	100 / 100		08-Nov-2007
Other HVAC Equipment	ET-3 Expansion Tank <100 GAL)	100	99	100	100 / 100		08-Nov-2007
Other HVAC Equipment	RCP-4 Circulating Pump	100	99	100	100 / 100		08-Nov-2007
Ventilation/Exhaust Equipment	EF-1 Industrial Active 1500-5000 CFM	100	99	99	100 / 100		08-Nov-2007
Ventilation/Exhaust Equipment	EF-2 Industrial Active 1500-5000 CFM	100	99	99	100 / 100		08-Nov-2007
Ventilation/Exhaust Equipment	EF-3 Industrial Active 635-1500 CFM	100	99	99	100 / 100		08-Nov-2007
Ventilation/Exhaust Equipment	EF-4 Industrial Active 1500-5000 CFM	100	99	99	83 / 83		08-Nov-2007
Ventilation/Exhaust Equipment	EF-5 Industrial Active 260-635 CFM	100	99	99	100 / 100		08-Nov-2007
Ventilation/Exhaust Equipment	EF-6 Industrial Active <260 CFM	100	99	99	100 / 100		08-Nov-2007
Ventilation/Exhaust Equipment	Exhaust Dryer	100	99	99	100 / 100		08-Nov-2007
Ventilation/Exhaust Equipment	RF-1 Industrial Active 10000-20000 CFM	100	99	99	100 / 100		08-Nov-2007
Ventilation/Exhaust Equipment	RF-2 Industrial Active 10000-20000 CFM	100	99	99	100 / 100		08-Nov-2007

Interior Construction							
Cabinet	Wood Base	100	100	100	100 / 100		08-Nov-2007
Cabinet	Wood Wall	100	100	100	100 / 100		08-Nov-2007
Countertop	Office Laminated Plastic	100	100	100	100 / 100		08-Nov-2007
Countertop	Restroom Laminated Plastic	100	100	100	100 / 100		08-Nov-2007



Condition Index Detail Report



Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037

Complex: Ft Campbell, KY (106B)

System		Building CI (BCI)	System CI (SCI)	Comp CI (BCCI)	Section CI (CSCI)	Section Paint CI (CCI)	Last Inspection Date
Component	Section Description				[From Last Insp / Current Estimated]		
Interior Construction							
Interior Ceiling	Acoustical Suspended	100	100	100	100 / 100		08-Nov-2007
Interior Ceiling	Drywall	100	100	100	100 / 100	100 / 99	08-Nov-2007
Interior Door	Double Wood Personnel	100	100	100	100 / 100		08-Nov-2007
Interior Door	Single Wood Personnel	100	100	100	100 / 100		08-Nov-2007
Interior Floor Finish/Covering	Gym Wood	100	100	100	100 / 100	100 / 99	08-Nov-2007
Interior Floor Finish/Covering	Quarry Tile	100	100	100	100 / 100		08-Nov-2007
Interior Floor Finish/Covering	Restroom / Locker Rm Ceramic Tile	100	100	100	100 / 100		08-Nov-2007
Interior Floor Finish/Covering	Sealed Epoxy	100	100	100	100 / 100		08-Nov-2007
Interior Floor Finish/Covering	Weight/Exer Rooms Rubber	100	100	100	100 / 100		08-Nov-2007
Interior Wall Finish/Covering	Ceramic	100	100	100	100 / 100		08-Nov-2007
Interior Wall Finish/Covering	Drywall	100	100	100	100 / 100	95 / 95	08-Nov-2007
Interior Wall Finish/Covering	Masonry Clay Brick	100	100	100	100 / 100		08-Nov-2007
Interior Wall Finish/Covering	Masonry Concrete Block	100	100	100	100 / 100	100 / 100	08-Nov-2007
Interior Window	Metal Fixed	100	100	100	100 / 100		08-Nov-2007
Partition/Screen	Metal Privacy Screen	100	100	98	92 / 92		08-Nov-2007
Partition/Screen	Metal Toilet Unit	100	100	98	100 / 100		08-Nov-2007
Plumbing							
Other Plumbing Equipment	Backflow Preventor 3/4 - 2" Pipe	100	100	100	100 / 100		08-Nov-2007
Other Plumbing Equipment	WH-1 Water Heater Commercial	100	100	100	100 / 100		08-Nov-2007
Plumbing Fixtures	Lavoratory Sink Ceramic	100	100	100	100 / 100		08-Nov-2007
Plumbing Fixtures	Service Sink Fiberglass	100	100	100	100 / 100		08-Nov-2007
Plumbing Fixtures	Service Sink Metal	100	100	100	100 / 100		08-Nov-2007
Plumbing Fixtures	Shower Fiberglass Stall	100	100	100	100 / 100		08-Nov-2007
Plumbing Fixtures	Shower Gang Type	100	100	100	100 / 100		08-Nov-2007
Plumbing Fixtures	Toilet Ceramic	100	100	100	100 / 100		08-Nov-2007
Plumbing Fixtures	Urinal Ceramic	100	100	100	100 / 100		08-Nov-2007
Plumbing Fixtures	Water Cooler Wall Hung	100	100	100	100 / 100		08-Nov-2007



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Complex: Ft Campbell, KY (106B)

System		Building CI (BCI)	System CI (SCI)	Comp CI (BCCI)	Section CI (CSCI) [From Last Insp / Current Estimated]	Section Paint CI (CCI)	Last Inspection Date
Component	Section Description						
Roofing							
Flashing (LF)	Metal Apron Flashing	100	100	100	100 / 100		08-Nov-2007
Flashing (LF)	Metal Step Flashing	100	100	100	100 / 100		08-Nov-2007
Roof Drainage	Aluminum Downspout	100	100	100	100 / 100		08-Nov-2007
Roof Drainage	Aluminum Gutter	100	100	100	100 / 100		08-Nov-2007
Roof Insulation	Rigid (Unknown Thickness)	100	100	100	100 / 100		08-Nov-2007
Roof Surface	Metal Standing-Seam	100	100	100	100 / 100		08-Nov-2007
Site							
Fencing/Privacy Wall	Masonry Commercial/Industrial	100	77	74	74 / 74		08-Nov-2007
Pad	Equipment Concrete	100	77	100	100 / 100		08-Nov-2007
Specialties							
Counter Doors (Coiling)	Metal Aluminum	100	100	100	100 / 100		08-Nov-2007
Lockers	Box	100	100	100	100 / 100		08-Nov-2007
Sauna	N/A	100	100	100	100 / 100		08-Nov-2007
Seating	Movable (Bleacher)	100	100	100	100 / 100		08-Nov-2007
Structural							
Flooring	Concrete Slab On-Grade	100	100	100	100 / 100		08-Nov-2007
Roof Deck	Metal	100	100	100	100 / 100		08-Nov-2007
Strip Footing	Concrete	100	100	100	100 / 100		08-Nov-2007
Truss	Gym Metal Roof	100	100	100	100 / 100		08-Nov-2007

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

Section Description	System	Component	Quantity	(UM)
106B Physical Fitness Center 7037			Complex: Ft Campbell, KY (106B)	
Electrical Category 1	Electrical	Distribution	36,000	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Conduit		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Feeder/Conductor/Wiring		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Ground-Fault Receptacle		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Junction Box		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Raceways/Busways		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Receptacles/Outlets		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Switches		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
4' Fluorescent Interior	Electrical	Lighting Fixtures	103	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Ballast		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Diffuser		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Encasement/Deflector		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Switches		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
ACC-1 Compression, Reciprocating 15 TN, air cooled	HVAC	Chillers	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
ACC-1 Compression, Reciprocating 15 TN, air cooled	HVAC	Chillers	1	(EA)

Last Inspection Date:	11/8/2007	Used Sampling?	No
Inspector:	Mike Grussing	Inspection Source:	Inspection

- | | | |
|--------------------------------------|--------------------------|--------------------------------------|
| SubComponent: Compressor | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Controls | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Evaporator | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Expansion Valve | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Gauges | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Piping/Fittings | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Sensors | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Supports | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Valves | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Condenser | Paint Rating: N/A | SubComponent Defect Free? No |

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
Damaged	Low			>1% - 5%	EA	No		

SubComponent: Enclosure **Paint Rating:** N/A **SubComponent Defect Free?** No

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
Corroded	Low			>1% - 5%	SF	No		

SubComponent: Insulation (LF) **Paint Rating:** N/A **SubComponent Defect Free?** No

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
Damaged	Medium			>5% - 10%	LF	No		

SubComponent: Receiver Pump **Paint Rating:** N/A **SubComponent Defect Free?** No

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
					EA	No		

SubComponent: Receiver Tank **Paint Rating:** N/A **SubComponent Defect Free?** No

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
					EA	No		

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)																				
ACC-1 Compression, Reciprocating 15 TN, air cooled	HVAC	Chillers	1	(EA)																				
Acoustical Suspended	Interior Construction	Interior Ceiling	1,100	(SF)																				
<table style="width: 100%; border: none;"> <tr> <td style="width: 20%;"><i>Last Inspection Date:</i></td> <td style="width: 20%;">11/8/2007</td> <td style="width: 20%;"><i>Used Sampling?</i></td> <td style="width: 20%;">No</td> <td style="width: 20%;"></td> </tr> <tr> <td><i>Inspector:</i></td> <td>Sam Hunter</td> <td><i>Inspection Source:</i></td> <td>Inspection</td> <td></td> </tr> <tr> <td><i>SubComponent:</i> Framing/Support</td> <td></td> <td><i>Paint Rating:</i> N/A</td> <td></td> <td><i>SubComponent Defect Free?</i> Yes</td> </tr> <tr> <td><i>SubComponent:</i> Surface</td> <td></td> <td><i>Paint Rating:</i> N/A</td> <td></td> <td><i>SubComponent Defect Free?</i> Yes</td> </tr> </table>					<i>Last Inspection Date:</i>	11/8/2007	<i>Used Sampling?</i>	No		<i>Inspector:</i>	Sam Hunter	<i>Inspection Source:</i>	Inspection		<i>SubComponent:</i> Framing/Support		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes	<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>Last Inspection Date:</i>	11/8/2007	<i>Used Sampling?</i>	No																					
<i>Inspector:</i>	Sam Hunter	<i>Inspection Source:</i>	Inspection																					
<i>SubComponent:</i> Framing/Support		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes																				
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes																				
AHU-1 Central Station 16000-20000 CFM	HVAC	Air Handling Unit	1	(EA)																				
<table style="width: 100%; border: none;"> <tr> <td style="width: 20%;"><i>Last Inspection Date:</i></td> <td style="width: 20%;">11/8/2007</td> <td style="width: 20%;"><i>Used Sampling?</i></td> <td style="width: 20%;">No</td> <td style="width: 20%;"></td> </tr> <tr> <td><i>Inspector:</i></td> <td>Mike Grussing</td> <td><i>Inspection Source:</i></td> <td>Inspection</td> <td></td> </tr> </table>					<i>Last Inspection Date:</i>	11/8/2007	<i>Used Sampling?</i>	No		<i>Inspector:</i>	Mike Grussing	<i>Inspection Source:</i>	Inspection											
<i>Last Inspection Date:</i>	11/8/2007	<i>Used Sampling?</i>	No																					
<i>Inspector:</i>	Mike Grussing	<i>Inspection Source:</i>	Inspection																					

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
AHU-1 Central Station 16000-20000 CFM	HVAC	Air Handling Unit	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Mike Grussing		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Actuator(s)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Baffles		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Belt		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Coils (Cooling)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Coils (Heating)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Condensate Piping		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Condensate Pump		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Controls (Electronic)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Controls (Pneumatic)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Doors		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Drain Pan		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Fan(s)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Filters		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Gauges		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Insulation (SF)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Isolation/Ductwork Transition		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Motor		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Motor Controls		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Piping/Fittings		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Sensors		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Variable Frequency Drive		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Volume Dampers		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
AHU-2 Central Station 16000-20000 CFM	HVAC	Air Handling Unit	1	(EA)

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
AHU-2 Central Station 16000-20000 CFM	HVAC	Air Handling Unit	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Actuator(s)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Baffles		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Belt		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Coils (Cooling)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Coils (Heating)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Condensate Piping		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Condensate Pump		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Controls (Electronic)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Controls (Pneumatic)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Doors		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Drain Pan		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Fan(s)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Filters		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Gauges		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Insulation (SF)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Isolation/Ductwork Transition		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Motor		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Motor Controls		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Piping/Fittings		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Sensors		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Variable Frequency Drive		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
<i>SubComponent:</i> Volume Dampers		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i>	Yes
Air Separator 12" Dia	HVAC	Other HVAC Equipment	1	(EA)

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Air Separator 12" Dia	HVAC	Other HVAC Equipment	1	(EA)
<i>Last Inspection Date:</i>	11/8/2007	<i>Used Sampling?</i>	No	
<i>Inspector:</i>	Mike Grussing	<i>Inspection Source:</i>	Inspection	
<i>SubComponent:</i>	Insulation (SF)	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i>	Piping/Fittings	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i>	Tank	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i>	Valves	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
Aluminum Downspout	Roofing	Roof Drainage	400	(LF)
<i>Last Inspection Date:</i>	11/8/2007	<i>Used Sampling?</i>	No	
<i>Inspector:</i>	Sam Hunter	<i>Inspection Source:</i>	Inspection	
<i>SubComponent:</i>	Downspout	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i>	Drainage Pipe	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i>	Hangars	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i>	Piping/Fittings	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i>	Splash Block	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
Aluminum Gutter	Roofing	Roof Drainage	850	(LF)
<i>Last Inspection Date:</i>	11/8/2007	<i>Used Sampling?</i>	No	
<i>Inspector:</i>	Sam Hunter	<i>Inspection Source:</i>	Inspection	
<i>SubComponent:</i>	Gutter	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i>	Hangars	<i>Paint Rating:</i>	N/A	<i>SubComponent Defect Free?</i> Yes
Aluminum Metal Fixed	Exterior Closure	Exterior Window	16	(EA)
<i>Last Inspection Date:</i>	11/8/2007	<i>Used Sampling?</i>	No	
<i>Inspector:</i>	Sam Hunter	<i>Inspection Source:</i>	Inspection	

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Aluminum Metal Fixed	Exterior Closure	Exterior Window	16	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Frame		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Glazing Compound		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Screen		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Sealant		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Window Glass		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
B-1 Boiler (Steel) Gas (Hot Water) 1960-2400 MBH	HVAC	Heating Unit/Plant	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Boiler/Heater		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Burner		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Circulating Pump		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Controls		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Flue		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Gauges		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Heat Exchanger		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Insulation (SF)		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Piping/Fittings		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Traps		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Backflow Preventor 3/4 - 2" Pipe	Plumbing	Other Plumbing Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
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Backflow Preventor 3/4 - 2" Pipe	Plumbing	Other Plumbing Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Backflow Valve		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Piping		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes

Base / Sill Masonry Stone	Exterior Closure	Exterior Wall Finish/Covering	1,500	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>Inspection Comments:</i>	Stone along the door jamb at the back entrance has 6" long crack just below the lintel.			
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Lintels		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> No

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
Cracked	Medium			>0.1% - 1%	LF	No		

BCP-1 Circulating Pump	HVAC	Other HVAC Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Pump Body		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes

Box	Specialties	Lockers	392	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Box	Specialties	Lockers	392	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Ceramic	Interior Construction	Interior Wall Finish/Covering	4,000	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Clerestory Metal Fixed	Exterior Closure	Exterior Window	74	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Frame		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Glazing Compound		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Sealant		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Window Glass		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Commercial/Industrial	Electrical	Intercom	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Master Units		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Remote Stations		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Concrete Slab On-Grade	Structural	Flooring	36,000	(SF)

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Concrete Slab On-Grade	Structural	Flooring	36,000	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
CP-1 Circulating Pump	HVAC	Other HVAC Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Pump Body		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
CP-2 Circulating Pump	HVAC	Other HVAC Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Pump Body		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Double Wood Personnel	Interior Construction	Interior Door	6	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Door Frame		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Hardware		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Mullions		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Drywall	Interior Construction	Interior Ceiling	4,200	(SF)

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
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Drywall	Interior Construction	Interior Ceiling	4,200	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> G+		<i>SubComponent Defect Free?</i> Yes

Drywall	Interior Construction	Interior Wall Finish/Covering	1,000	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> G		<i>SubComponent Defect Free?</i> Yes

EF-4 Industrial Active 1500-5000 CFM	HVAC	Ventilation/Exhaust Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>Inspection Comments:</i>		The ventilation is extremely poor in the men's and women's locker rooms. Inadequate capacity to remove humid air has potential for water/mold damage eventually.		
<i>SubComponent:</i> Belt		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Motor		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Blower		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> No

<i>Distress</i>	<i>Severity</i>	<i>SubComp Qty</i>	<i>Distress Qty</i>	<i>Density</i>	<i>UM</i>	<i>Critical?</i>	<i>ESC Number</i>	<i>ESC Completion</i>
Capacity/Capacity D	Low			100%	EA	No		

Emergency Interior, 2 HEAD	Electrical	Lighting Fixtures	4	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		

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Section Description	System	Component	Quantity	(UM)
Emergency Interior, 2 HEAD	Electrical	Lighting Fixtures	4	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Battery		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Encasement/Deflector		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
EMP Electronic	HVAC	Control Systems	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> DDC Electronic Boards		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Entrance Glass Personnel	Exterior Closure	Exterior Door	8	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Door Frame		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Glass		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Glazing Compound		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Hardware		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Equipment Concrete	Site	Pad	400	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes

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Section Description	System	Component	Quantity	(UM)
ET-1 Expansion Tank <100 GAL)	HVAC	Other HVAC Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Insulation (SF)		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Piping/Fittings		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Tank Wall		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
ET-2 Expansion Tank <100 GAL)	HVAC	Other HVAC Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Insulation (SF)		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Piping/Fittings		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Tank Wall		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
ET-3 Expansion Tank <100 GAL)	HVAC	Other HVAC Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Insulation (SF)		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Piping/Fittings		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Tank Wall		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes

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106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Exhaust Dryer	HVAC	Ventilation/Exhaust Equipment	2	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Duct		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Fan(s)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Motor		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Screen		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Exit Interior, 1 SIDE LED	Electrical	Lighting Fixtures	6	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Ballast		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Encasement/Deflector		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
FACP System Automatic	Fire Suppression	Fire/Smoke Alarm	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Mike Grussing		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Annunciator/Control Panel		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
FC-1 Fan Coil (single) w/o Electric Heat 1-2 Tons	HVAC	Air Handling Unit	2	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		

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Section Description	System	Component	Quantity	(UM)
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FC-1 Fan Coil (single) w/o Electric Heat 1-2 Tons	HVAC	Air Handling Unit	2	(EA)
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Last Inspection Date:	11/8/2007	Used Sampling?	No
Inspector:	Sam Hunter	Inspection Source:	Inspection
Inspection Comments:	Minor dents and gouges on enclosure		

- | | | |
|--------------------------------------|--------------------------|--------------------------------------|
| SubComponent: Baffles | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Coils (Cooling) | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Coils (Heating) | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Controls | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Fan(s) | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Supports | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Enclosure | Paint Rating: N/A | SubComponent Defect Free? No |

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
Damaged	Low			>25% - 50%	SF	No		

Fluorescent Interior, COMPACT 1-LAMP	Electrical	Lighting Fixtures	41	(EA)
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Last Inspection Date:	11/8/2007	Used Sampling?	No
Inspector:	Sam Hunter	Inspection Source:	Inspection

- | | | |
|---|--------------------------|--------------------------------------|
| SubComponent: Ballast | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Diffuser | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Encasement/Deflector | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Supports | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Switches | Paint Rating: N/A | SubComponent Defect Free? Yes |
| SubComponent: Wiring | Paint Rating: N/A | SubComponent Defect Free? Yes |

Gym Ctrls	Electrical	Lighting Controls	2	(EA)
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Last Inspection Date:	11/8/2007	Used Sampling?	No
Inspector:	Mike Grussing	Inspection Source:	Inspection

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106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Gym Ctrls	Electrical	Lighting Controls	2	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Switches		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Gym Metal Roof	Structural	Truss	1,000	(LF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Chords/Diagonals		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Connections		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Lateral Bracing		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Gym Wood	Interior Construction	Interior Floor Finish/Covering	16,000	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> G+	<i>SubComponent Defect Free?</i> Yes	
High Bay Metal Halide High Intensity Discharge Interior	Electrical	Lighting Fixtures	51	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		

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Section Description	System	Component	Quantity	(UM)
High Bay Metal Halide High Intensity Discharge Interior	Electrical	Lighting Fixtures	51	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Diffuser		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Encasement/Deflector		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Switches		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Insulated (Aluminum) Commercial (200-1000 SQ IN or 14-36 IN DIA)	HVAC	Ductwork	200	(LF)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Mike Grussing		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Duct		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Insulation (LF)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Insulated (Aluminum) Industrial (>1000 SQ IN or >36 IN DIA)	HVAC	Ductwork	300	(LF)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Mike Grussing		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Duct		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Insulation (LF)		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Lavoratory Sink Ceramic	Plumbing	Plumbing Fixtures	11	(EA)

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Section Description	System	Component	Quantity	(UM)
Lavoratory Sink Ceramic	Plumbing	Plumbing Fixtures	11	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Drain/Trap		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Faucet		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Unit		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
LP Panelboard 200-400 AMP	Electrical	Panels	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Breakers/Fuses		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Manual Pull Station	Fire Suppression	Fire/Smoke Alarm	3	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Cover		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Pull/ Break Glass Station		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Masonry Clay Brick	Interior Construction	Interior Wall Finish/Covering	2,000	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Masonry Commercial/Industrial	Site	Fencing/Privacy Wall	100	(LF)

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Section Description	System	Component	Quantity	(UM)
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Masonry Commercial/Industrial	Site	Fencing/Privacy Wall	100	(LF)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection
<i>Inspection Comments:</i> The privacy/screen wall surrounding the transformers and chiller has shrinkage cracks approximately every 10 feet in the stucco, localized brick spalling on the long side (close to the ground) and effloresce staining.	

<i>SubComponent:</i> Cap	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Footing	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Surface	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> No

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
Cracked	Low			>10% - 25%	SF	No		
Deteriorated	Low			>5% - 10%	SF	No		
Efflorescence	Medium			>10% - 25%	SF	No		

Masonry Concrete Block	Interior Construction	Interior Wall Finish/Covering	20,000	(SF)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection
<i>SubComponent:</i> Surface	<i>Paint Rating:</i> G+ <i>SubComponent Defect Free?</i> Yes

Masonry Face Brick w/ CMU Backup	Exterior Closure	Exterior Wall	30,000	(SF)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection
<i>SubComponent:</i> Control Joint Sealant	<i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Lintels	<i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Sills	<i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Surface	<i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes

Mech Room Metal Louver	Exterior Closure	Exterior Door	2	(EA)
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Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
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Mech Room Metal Louver	Exterior Closure	Exterior Door	2	(EA)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No	
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection	
<i>Inspection Comments:</i> Minor dents and gouges		
<i>SubComponent:</i> Door Frame	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Hardware	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Vents	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Surface	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> No

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
Damaged	Low			>10% - 25%	SF	No		

Metal	Exterior Closure	Soffit	650	(SF)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No	
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection	
<i>SubComponent:</i> Surface	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes

Metal	Structural	Roof Deck	42,500	(SF)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No	
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection	
<i>SubComponent:</i> Surface	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes

Metal Aluminum	Specialties	Counter Doors (Coiling)	6	(LF)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No	
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection	

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Metal Aluminum	Specialties	Counter Doors (Coiling)	6	(LF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Door		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Track		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Metal Apron Flashing	Roofing	Flashing (LF)	400	(LF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Metal Fixed	Interior Construction	Interior Window	6	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Frame		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Glazing Compound		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Window Glass		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Metal Personnel	Exterior Closure	Exterior Door	5	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>Inspection Comments:</i>	Minor dents			

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
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Metal Personnel	Exterior Closure	Exterior Door	5	(EA)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection
<i>Inspection Comments:</i> Minor dents	

<i>SubComponent:</i> Door Frame	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Hardware	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Mullions	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Surface	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> No

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
Damaged	Low			>10% - 25%	SF	No		

Metal Privacy Screen	Interior Construction	Partition/Screen	6	(EA)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection
<i>Inspection Comments:</i> Privacy screens in men's restrooms showing some minor corrosion.	

<i>SubComponent:</i> Supports	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Surface	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> No

Distress	Severity	SubComp Qty	Distress Qty	Density	UM	Critical?	ESC Number	ESC Completion
Corroded	Low			>1% - 5%	SF	No		

Metal Standing-Seam	Roofing	Roof Surface	42,500	(SF)
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<i>Last Inspection Date:</i> 11/8/2007	<i>Used Sampling?</i> No
<i>Inspector:</i> Sam Hunter	<i>Inspection Source:</i> Inspection

<i>SubComponent:</i> Surface	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes
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Metal Step Flashing	Roofing	Flashing (LF)	75	(LF)
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Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Metal Step Flashing	Roofing	Flashing (LF)	75	(LF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Metal Toilet Unit	Interior Construction	Partition/Screen	11	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Door		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Hardware		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Movable (Bleacher)	Specialties	Seating	10	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Frame		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Seats/Benches		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Wheels		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
MSB Switchboard 600-1200 AMP	Electrical	Panels	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
MSB Switchboard 600-1200 AMP	Electrical	Panels	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Breakers/Fuses		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Disconnect/Safety Switch		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Switchgear		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
N/A	Electrical	Lightning Protection	500	(LF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Arresters		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Cables/Conductors		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Connections		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Masts/Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
N/A	Specialties	Sauna	2	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Ceiling		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Door		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Floor		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Heater		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Wall		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Non-Insulated (Fiberglass) Residential (<200 SQ IN or <14 IN DIA)	HVAC	Ductwork	400	(LF)

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Non-Insulated (Fiberglass) Residential (<200 SQ IN or <14 IN DIA)	HVAC	Ductwork	400	(LF)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Duct <i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes <i>SubComponent Defect Free?</i> Yes		
Office Laminated Plastic	Interior Construction	Countertop	35	(LF)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes		
Pendant Fluorescent Interior	Electrical	Lighting Fixtures	56	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Ballast <i>SubComponent:</i> Diffuser <i>SubComponent:</i> Encasement/Deflector <i>SubComponent:</i> Supports <i>SubComponent:</i> Switches <i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes <i>SubComponent Defect Free?</i> Yes		
PP1 Panelboard 200-400 AMP	Electrical	Panels	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Mike Grussing		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		



Distress Survey Inspection Report by Section



Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
PP1 Panelboard 200-400 AMP	Electrical	Panels	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Breakers/Fuses		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
PP2 Panelboard 200-400 AMP	Electrical	Panels	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Breakers/Fuses		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
PP3 Panelboard 200-400 AMP	Electrical	Panels	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Breakers/Fuses		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Quarry Tile	Interior Construction	Interior Floor Finish/Covering	5,300	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
RCP-4 Circulating Pump	HVAC	Other HVAC Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
RCP-4 Circulating Pump	HVAC	Other HVAC Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Pump Body		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Restroom / Locker Rm Ceramic Tile	Interior Construction	Interior Floor Finish/Covering	3,000	(SF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Drain		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Restroom Laminated Plastic	Interior Construction	Countertop	15	(LF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
RISER Upfeed	Fire Suppression	Standpipes	30	(LF)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Piping/Fittings		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Pump		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Sealed Epoxy	Interior Construction	Interior Floor Finish/Covering	3,500	(SF)

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
Sealed Epoxy	Interior Construction	Interior Floor Finish/Covering	3,500	(SF)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Drain <i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes <i>SubComponent Defect Free?</i> Yes		
Service Sink Fiberglass	Plumbing	Plumbing Fixtures	2	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Drain/Trap <i>SubComponent:</i> Faucet <i>SubComponent:</i> Unit <i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes <i>SubComponent Defect Free?</i> Yes <i>SubComponent Defect Free?</i> Yes <i>SubComponent Defect Free?</i> Yes		
Service Sink Metal	Plumbing	Plumbing Fixtures	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Drain/Trap <i>SubComponent:</i> Faucet <i>SubComponent:</i> Unit <i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes <i>SubComponent Defect Free?</i> Yes <i>SubComponent Defect Free?</i> Yes <i>SubComponent Defect Free?</i> Yes		
SF-A1-01 Electronic	HVAC	Control Systems	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Mike Grussing		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> DDC Electronic Boards		<i>Paint Rating:</i> N/A <i>SubComponent Defect Free?</i> Yes		

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
SF-A2-01 Electronic	HVAC	Control Systems	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> DDC Electronic Boards		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Shower Fiberglass Stall	Plumbing	Plumbing Fixtures	7	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Base		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Drain		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Faucet		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Head		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Unit		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Shower Gang Type	Plumbing	Plumbing Fixtures	2	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Base		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Drain		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Faucet		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Head		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Unit		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Single Wood Personnel	Interior Construction	Interior Door	8	(EA)

Design-Build-Commissioning Study - Army - 106B Physical Fitness Center 7037

106B Physical Fitness Center 7037	Complex: Ft Campbell, KY (106B)
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Section Description	System	Component	Quantity	(UM)
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Single Wood Personnel	Interior Construction	Interior Door	8	(EA)
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<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Door Frame	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Hardware	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Surface	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		

Speak/Strobe Unit	Fire Suppression	Fire/Smoke Alarm	10	(EA)
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<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Audible/Visual Alarm Device	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Battery	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Wiring	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		

Sprinkler (Light Hazard) Wet	Fire Suppression	Fire Suppression	35,000	(SF)
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<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Heated Main Control Valve	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Piping/Fittings	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Pump	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Siamese Connection	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Sprinkler Head Collar	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Sprinkler Heads	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Standpipe	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Storage Tank	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Supports	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Valves	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		

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Section Description	System	Component	Quantity	(UM)
Sprinkler (Ordinary Hazard) Wet	Fire Suppression	Fire Suppression	1,000	(SF)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Heated Main Control Valve		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Piping/Fittings		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Pump		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Siamese Connection		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Sprinkler Head Collar		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Sprinkler Heads		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Standpipe		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Storage Tank		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
System Smoke Detector	Fire Suppression	Fire/Smoke Alarm	6	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Cover		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Detectors		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Toilet Ceramic	Plumbing	Plumbing Fixtures	16	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Mike Grussing		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		

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Section Description	System	Component	Quantity	(UM)
Toilet Ceramic	Plumbing	Plumbing Fixtures	16	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Drain		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Seat/Cover		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Tank		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Unit		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
UH-1 Unit Heater Electric	HVAC	Heating Unit/Plant	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Controls		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Fan Motor		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Fan(s)		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Heating Element		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
UH-2 Unit Heater Electric	HVAC	Heating Unit/Plant	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		

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Section Description	System	Component	Quantity	(UM)
UH-2 Unit Heater Electric	HVAC	Heating Unit/Plant	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Controls		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Enclosure		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Fan Motor		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Fan(s)		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Heating Element		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Urinal Ceramic	Plumbing	Plumbing Fixtures	6	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Drain		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Unit		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Wall Mnt Metal Halide High Intensity Discharge Exterior	Electrical	Lighting Fixtures	9	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Diffuser		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Encasement/Deflector		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Switches		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Wiring		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes

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Section Description	System	Component	Quantity	(UM)
Water Cooler Wall Hung	Plumbing	Plumbing Fixtures	2	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Bubbler		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Cooling Unit		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Drain		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Operating Level Button		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Unit		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
<i>SubComponent:</i> Valves		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
Weight/Exer Rooms Rubber	Interior Construction	Interior Floor Finish/Covering	5,750	(SF)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Sam Hunter		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Surface		<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes	
WH-1 Water Heater Commercial	Plumbing	Other Plumbing Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007 <i>Inspector:</i> Mike Grussing		<i>Used Sampling?</i> No <i>Inspection Source:</i> Inspection		

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Section Description	System	Component	Quantity	(UM)
WH-1 Water Heater Commercial	Plumbing	Other Plumbing Equipment	1	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Burner		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Circulating Motor		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Circulating Pump		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Drain		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Flue		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Gauges		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Insulation (SF)		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Piping/Fittings		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Supports		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Tank		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Wood Base	Interior Construction	Cabinet	7	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Casework/Frame		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Door		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Drawer		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Hardware		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
<i>SubComponent:</i> Shelving		<i>Paint Rating:</i> N/A		<i>SubComponent Defect Free?</i> Yes
Wood Wall	Interior Construction	Cabinet	4	(EA)
<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		

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Section Description	System	Component	Quantity	(UM)
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Wood Wall	Interior Construction	Cabinet	4	(EA)
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<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Sam Hunter		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Casework/Frame	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Door	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Hardware	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Shelving	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		

XFMR T1 Dry Type/Three Phase 5KV P-277/480V S(<225KVA)	Electrical	Transformers	1	(EA)
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<i>Last Inspection Date:</i> 11/8/2007		<i>Used Sampling?</i> No		
<i>Inspector:</i> Mike Grussing		<i>Inspection Source:</i> Inspection		
<i>SubComponent:</i> Bushings/Insulators	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Conductors	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		
<i>SubComponent:</i> Enclosure	<i>Paint Rating:</i> N/A	<i>SubComponent Defect Free?</i> Yes		

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