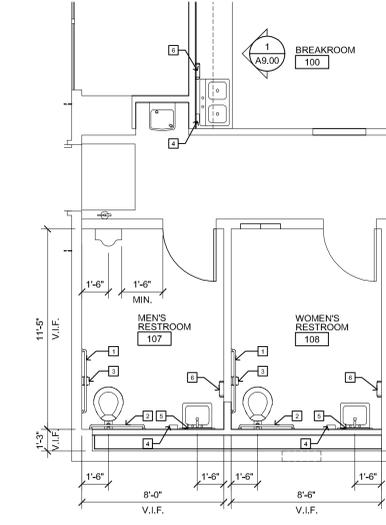
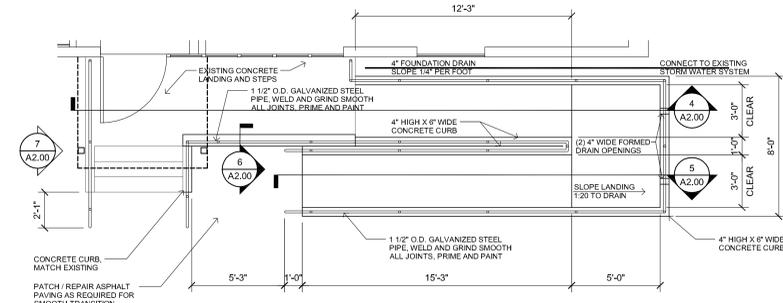


GENERAL CONSTRUCTION NOTES

- ROUTE ALL FULL-HEIGHT PARTITIONS AROUND DUCTWORK AND PIPING AS NECESSARY TO STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
- ALL INTERIOR DIMENSIONS ARE TO FINISH FACE OF PARTITION, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR TO PREPARE FLOOR TO BE LEVEL PRIOR TO INSTALLATION OF FLOOR FINISH MATERIALS.
- PROVIDE FIRE-RETARDANT WOOD BLOCKING AS REQUIRED FOR ALL MILLWORK AND AT WALL MOUNTED ITEMS IN METAL STUD FRAMED WALLS.
- THE CONTRACTOR IS TO PROTECT EXISTING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO REPLACE OR REPAIR EXISTING TO REMAIN CONDITIONS THAT SUSTAIN DAMAGE CAUSED BY NEW CONSTRUCTION.
- COORDINATE ALL WORK WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- REFER TO SHEET A6.00 FOR DOORS AND WINDOWS.
- REFER TO SHEET A0.00 FOR WALL, FLOOR AND CEILING FINISHES, FINISH MATERIALS, AND CEILING HEIGHTS.
- PREPARE ENTIRE EXTERIOR OF BUILDING TO RECEIVE NEW PAINT FINISH. PAINT ENTIRE BUILDING EXTERIOR IN UP TO TWO COLORS SELECTED BY ARCHITECT AND RECOMMENDED BY BUILDING MANUFACTURER (BUTLER MANUFACTURING).
- INSTALL BUILDING MOUNTED SIGNS THAT WERE REMOVED IN DEMOLITION.

KEYED CONSTRUCTION NOTES

- ALUMINUM DOWNSPOUT. COLOR TO MATCH BUILDING.
- ADA COMPLIANT RAMP AND RAILINGS.
- REPLACE PANELS WHERE MECHANICAL EQUIPMENT WAS REMOVED; MATCH EXISTING PANELS IN TYPE, MATERIAL AND FINISH.
- INFILL METAL/PANEL MATCH EXISTING PANELS IN TYPE, MATERIAL AND FINISH.
- RECESSED WALK-OFF MAT; REFER TO DETAIL 2/A0.00.
- PRE-FINISHED, POST-SUPPORTED ALUMINUM WALKWAY COVER WITH INTEGRAL DRAINAGE SYSTEM.
- 1 1/2" OF RIGID INSULATION, FULL-HEIGHT, ON INSIDE FACE OF EXTERIOR WALL OF PLUMBING CHASE.
- (2) 1 1/2" WIDE X 6" HIGH AIR TRANSFER DEVICE; REFER TO MECHANICAL DRAWINGS FOR OPENING HEIGHTS.
- INSTALL SIGN REMOVED IN DEMOLITION; COORDINATE EXACT LOCATION WITH OWNER.
- PREPARE AND SEED AREAS DISTURBED BY CONSTRUCTION.
- PAINT COMPLETE EXTERIOR OF BUILDING.



ENTRANCE RAMP AND STAIR PLAN

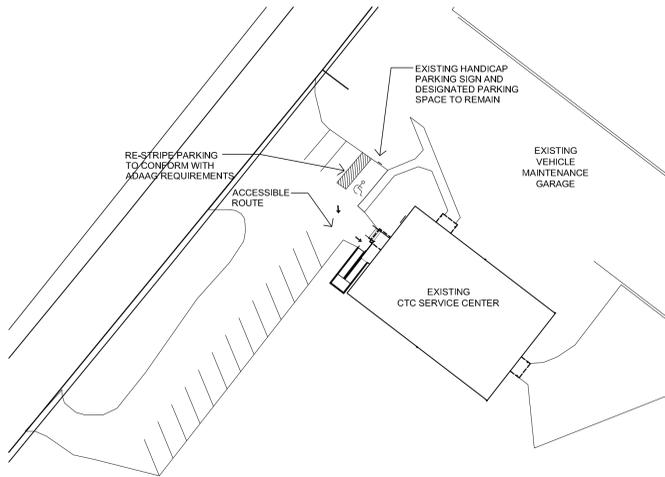
SCALE: 1/4" = 1'-0"

A2.00

RESTROOM PLAN

SCALE: 1/4" = 1'-0"

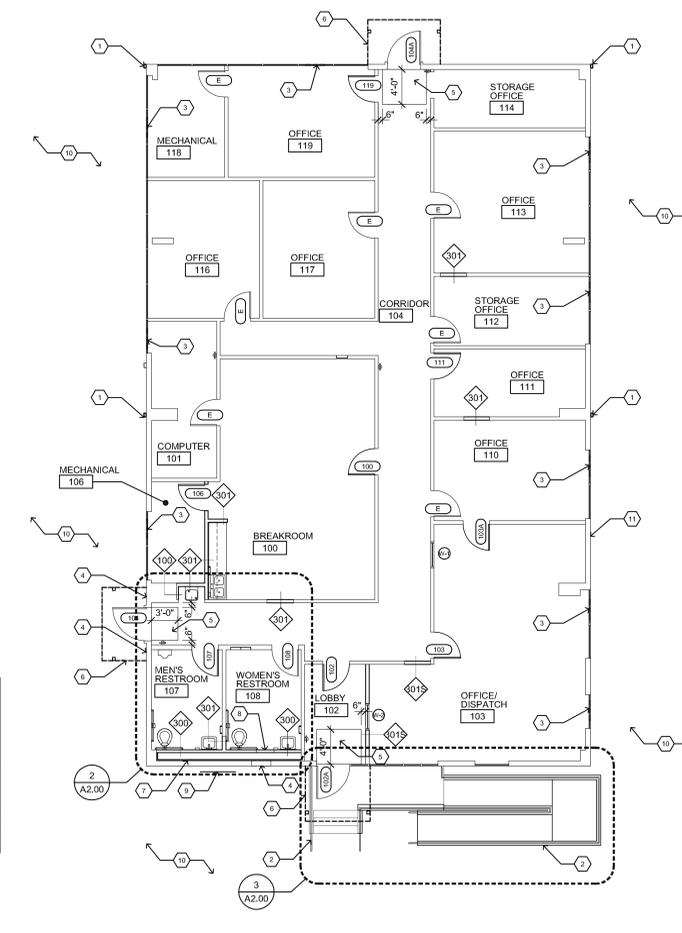
A2.00



ARCHITECTURAL SITE PLAN PLAN

SCALE: 1/32" = 1'-0"

A2.00



CONSTRUCTION PLAN

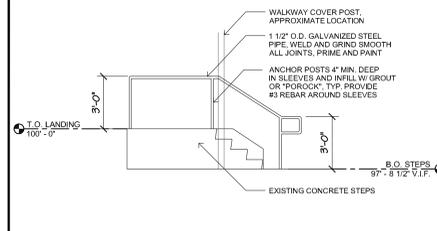
SCALE: 1/8" = 1'-0"

A2.00

TOILET ROOM ACCESSORIES SCHEDULE

NO.	ACCESSORY	MANUF.	MODEL	REMARKS
1	42" GRAB BAR	BOBRICK	B-6806x42	MOUNT 12" MAX. FROM BACK WALL, AND @ 33" A.F.F. TO 6" BLOCK AS REQUIRED.
2	36" GRAB BAR	BOBRICK	B-6806x36	MOUNT 6" MAX. FROM BACK WALL, AND @ 33" A.F.F. TO 6" BLOCK AS REQUIRED.
3	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER	BOBRICK	B-2888	MOUNT @ 22" A.F.F. TO TOP
4	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111	MOUNT @ 50-78" A.F.F. TO TOP
5	STEEL CHANNEL FRAME TEMPERED GLASS MIRROR	BOBRICK	B-2908 2430	MOUNT @ 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
6	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-262	MOUNT @ 54" A.F.F. TO TOP

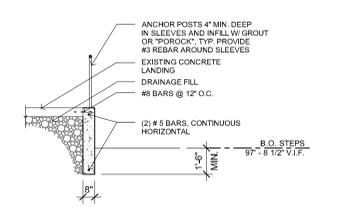
MANUFACTURERS LISTED ARE THE BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR LISTING OF ACCEPTABLE MANUFACTURERS. ALL ACCESSORIES ARE TO BE ADAAG COMPLIANT. INSTALL ALL ACCESSORIES IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND ADAAG STANDARDS.



RAILING ELEVATION

SCALE: 1/4" = 1'-0"

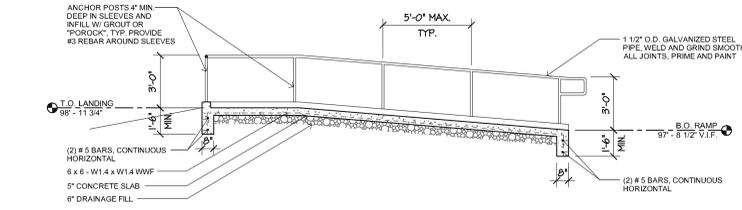
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LANDING SECTION

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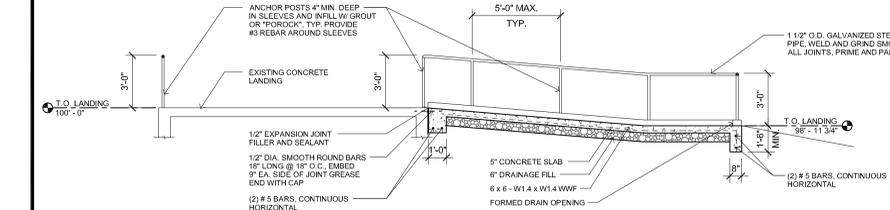
A2.00



RAMP SECTION

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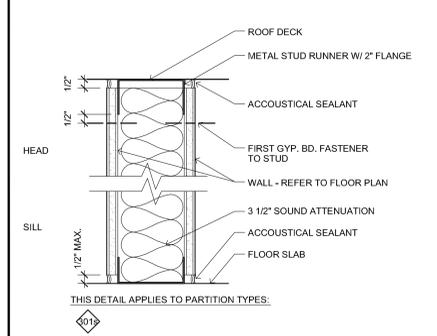
A2.00



RAMP SECTION

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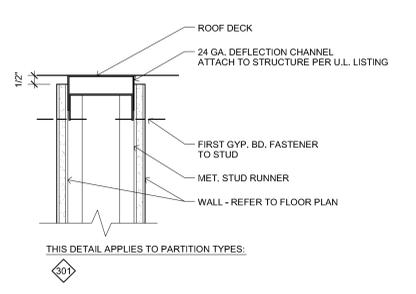
A2.00



TYPICAL DETAIL @ ACOUSTICAL WALL

SCALE: 3/8" = 1'-0"

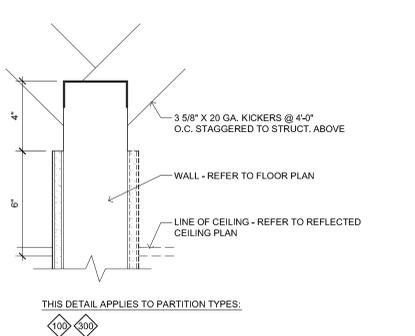
A2.00



TYPICAL HEAD TERMINATION DETAIL @ FULL-HEIGHT WALL

SCALE: 3/8" = 1'-0"

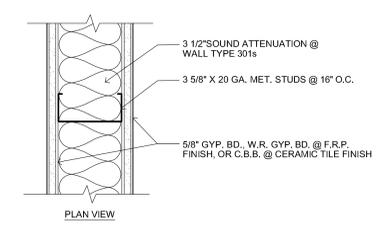
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TYPICAL HEAD DETAIL

SCALE: 3/8" = 1'-0"

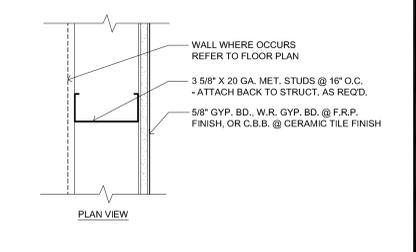
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PARTITION TYPE "301"

SCALE: 3/8" = 1'-0"

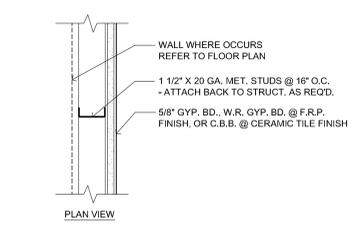
A2.00



PARTITION TYPE "300"

SCALE: 3/8" = 1'-0"

A2.00



PARTITION TYPE "100"

SCALE: 3/8" = 1'-0"

A2.00

CLERMONT COUNTY
CTC FACILITY RENOVATION / IMPROVEMENT PHASE I
4003 FLAGLER ROAD
BATAVIA, OHIO 45103

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DATE ISSUED FOR:
03-19-10 OWNER REVIEW

04-23-10 FINAL REVIEW

05-07-10 PERMIT

06-10-10 BID REVIEW

06-15-10 BID

NO. DATE REVISION

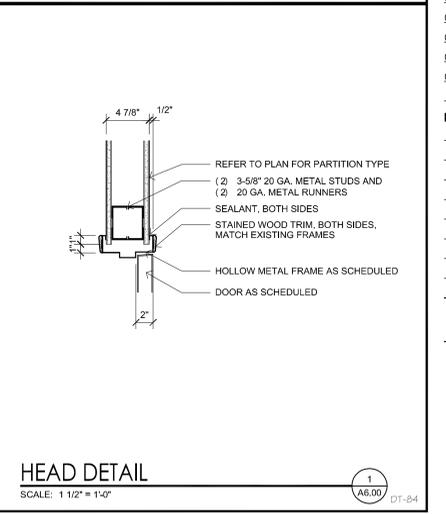
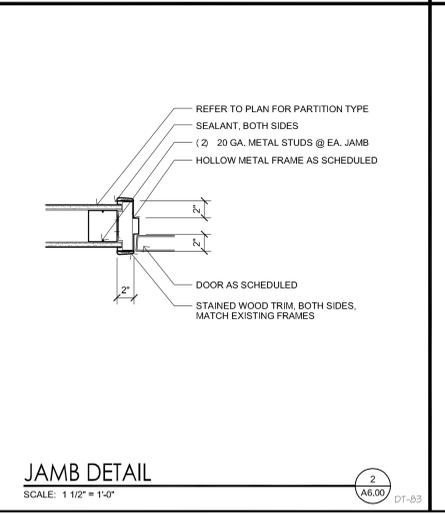
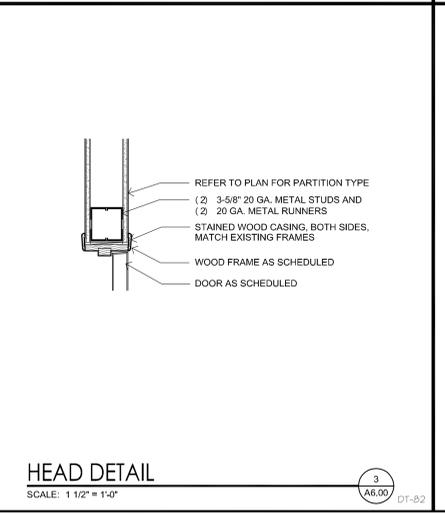
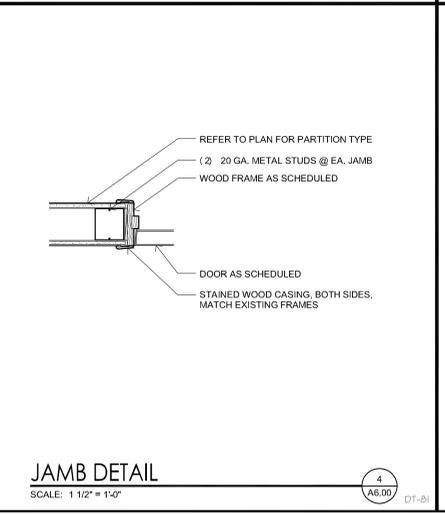
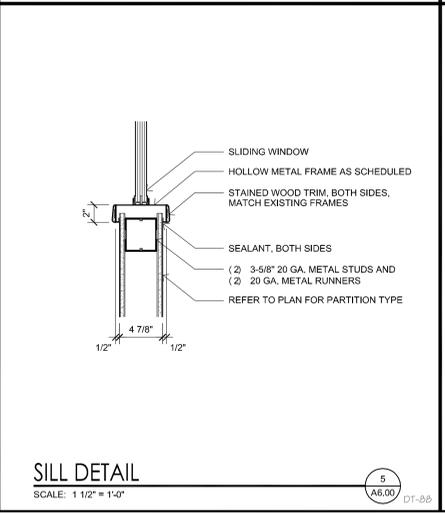
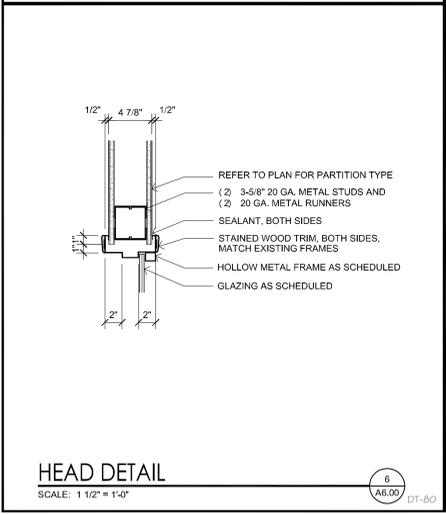
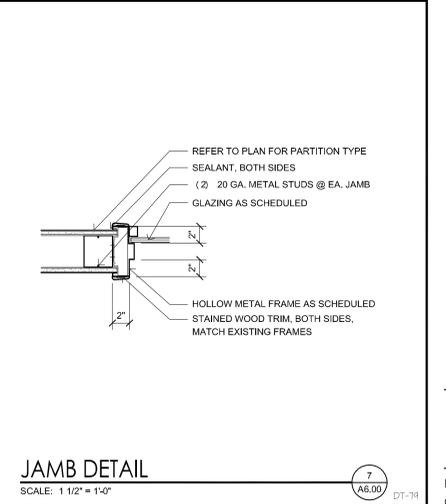
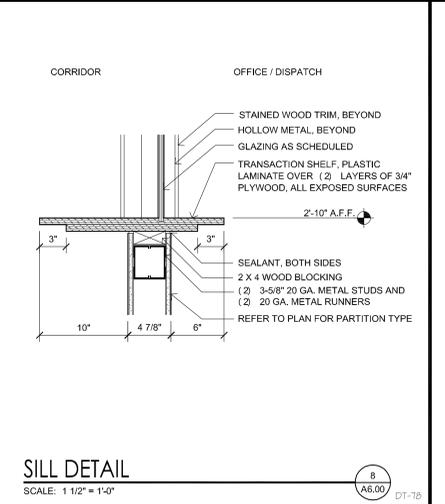
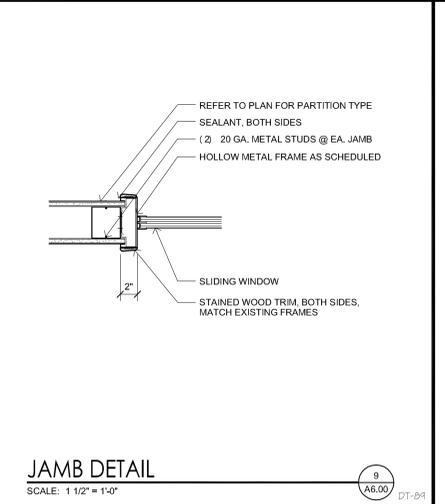
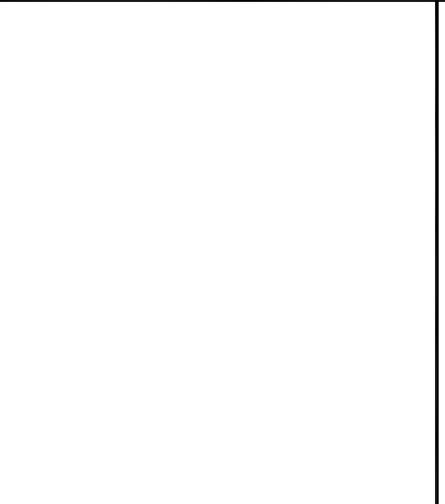
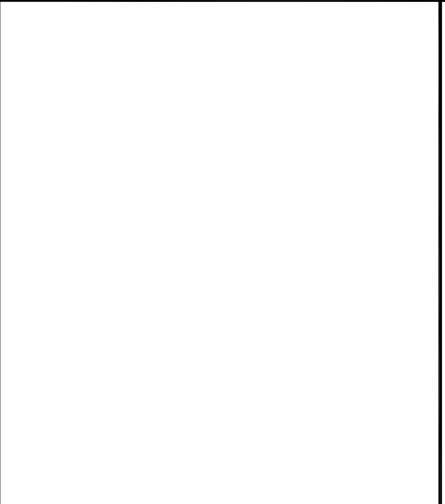
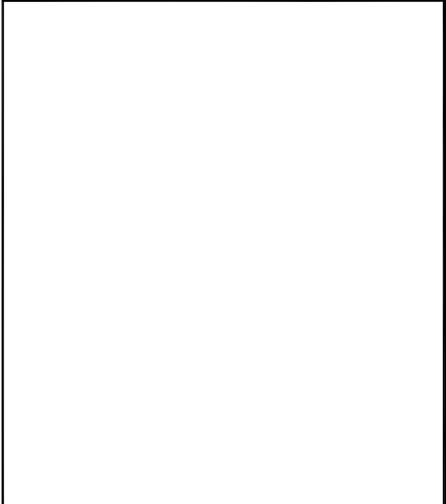
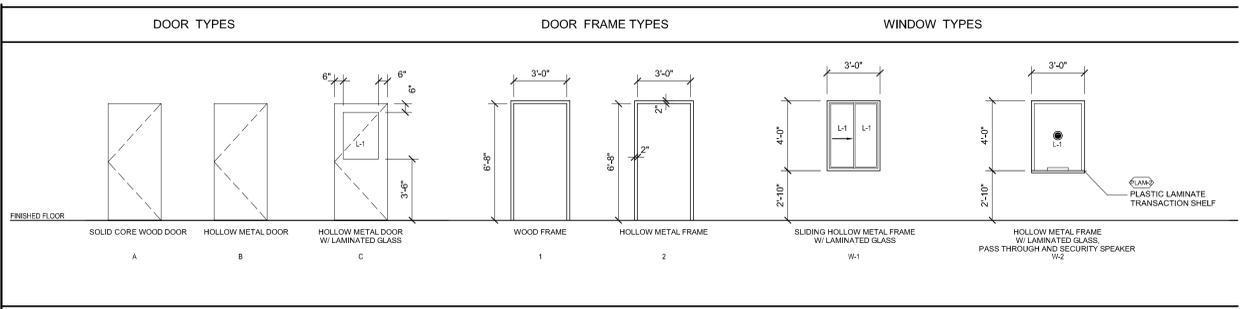
PROJECT NO.:
09115.10

DRAWING TITLE
CONSTRUCTION PLANS, DETAILS AND PARTITION TYPES

A2.00

MARK	DOOR SCHEDULE										REMARKS			
	SIZE	TYPE	MATL	FINISH	GLAZING	LABEL	TYPE	MATL	FINISH	LABEL				
100	3'-0" x 6'-8"	EXIST	HC	ST-1	--	--	EXIST	WD	ST-1	--	EXIST	EXIST	EXIST	RELOCATED DOOR AND HARDWARE IN EXISTING FRAME
102	3'-0" x 6'-8"	C	HM	PT-2	L-1	--	2	HM	PT-2	--	1/A6.00	2/A6.00	2C	SECURED DOOR WITH PROXIMITY READER AND REMOTE OPERATION FROM RM. 103
102A	3'-9" x 7'-0"	EXIST	AL	--	T-1	--	EXIST	AL	--	--	EXIST	EXIST	EXIST	REPLACE GLAZING IN EXISTING DOOR
103	3'-0" x 6'-8"	B	HM	PT-2	--	--	2	HM	PT-2	--	1/A6.00	2/A6.00	2B	SECURED DOOR WITH PROXIMITY READER
103A	3'-0" x 6'-8"	B	HM	PT-2	--	--	2	HM	PT-2	--	1/A6.00	2/A6.00	2A	SECURED DOOR WITH PROXIMITY READER
104	3'-9" x 7'-0"	EXIST	HM	PT-2	EXIST WIRE	--	EXIST	HM	PT-2	--	EXIST	EXIST	3	PROXIMITY READER ADDED TO EXISTING DOOR AND FRAME
104A	3'-9" x 7'-0"	EXIST	HM	PT-2	EXIST WIRE	--	EXIST	HM	PT-2	--	EXIST	EXIST	3	PROXIMITY READER ADDED TO EXISTING DOOR AND FRAME
106	3'-0" x 6'-8"	A	SC	ST-1	--	--	1	WD	ST-1	--	3/A6.00	4/A6.00	1	
107	3'-0" x 6'-8"	EXIST	HC	ST-1	--	--	1	WD	ST-1	--	3/A6.00	4/A6.00	4	RELOCATED DOOR AND HARDWARE IN NEW FRAME; NEW LOCKSET
108	3'-0" x 6'-8"	EXIST	HC	ST-1	--	--	EXIST	HC	ST-1	--	EXIST	EXIST	4	NEW LOCKSET ON EXISTING DOOR/FRAME
111	3'-0" x 6'-8"	B	HM	PT-2	--	--	2	HM	PT-2	--	1/A6.00	2/A6.00	2	SECURED DOOR WITH PROXIMITY READER
119	3'-0" x 6'-8"	EXIST	HC	ST-1	--	--	EXIST	WD	ST-1	--	EXIST	EXIST	EXIST	RELOCATED DOOR AND HARDWARE IN EXISTING FRAME
E	--	EXIST	HC	ST-1	--	--	EXIST	WD	ST-1	--	--	--	EXIST	EXISTING DOOR, FRAME AND HARDWARE TO REMAIN
W-1	3'-0" x 4'-0"	--	--	--	L-1	--	W-1	HM	PT-2	--	5/A6.00	9/A6.00	5/A6.00	SLIDING WINDOW - INTEGRAL LOCK PROVIDED BY FRAME SUPPLIER
W-2	3'-0" x 4'-0"	--	--	--	L-1	--	W-2	HM	PT-2	--	6/A6.00	7/A6.00	8/A6.00	FIXED WINDOW
GATE 1	--	--	--	--	--	--	--	--	--	--	--	--	5	PROXIMITY READER FOR MAN GATE IN FENCE @ BUS PARKING
GATE 2	--	--	--	--	--	--	--	--	--	--	--	--	5	PROXIMITY READER FOR MAN GATE IN FENCE @ BUS PARKING

LEGEND	
DOOR/FRAME MATERIAL	
SC	SOLID CORE WOOD
HC	HOLLOW CORE WOOD
HM	HOLLOW METAL
AL	ALUMINUM
DOOR/FRAME FINISH	
PT	PAINT
PF	PREFINISHED
ST	STAINED
GLAZING MATERIAL	
L-1	1/2" CLEAR LAMINATED
T-1	1/2" TINTED, TEMPERED, INSULATED



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04-23-10	FINAL REVIEW
05-07-10	PERMIT
06-10-10	BID REVIEW
06-15-10	BID

NO.	DATE	REVISION

PROJECT NO.: 09115.10

DRAWING TITLE
DOOR SCHEDULE, DOOR AND WINDOW TYPES AND DETAILS

GENERAL CEILING NOTES

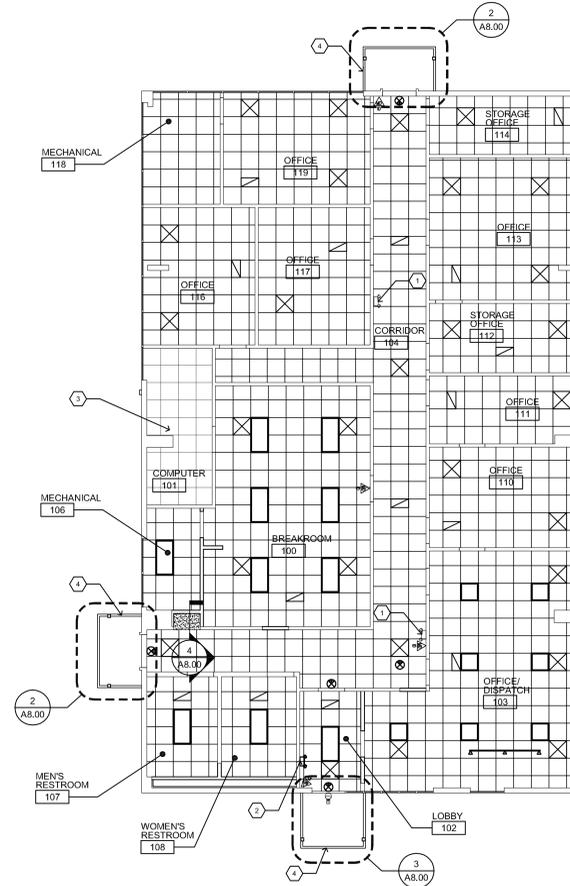
1. ROUTE ALL FULL-HEIGHT PARTITIONS AROUND DUCTWORK AND PIPING AS NECESSARY TO STRUCTURE ABOVE.
2. THE CONTRACTOR IS TO PROTECT EXISTING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO REPAIR OR REPLACE AREAS OUTSIDE OF WORK AREA THAT SUSTAIN DAMAGE CAUSED BY NEW CONSTRUCTION.
3. COORDINATE ALL WORK WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
4. REFER TO SHEET A8.00 FOR CEILING FINISHES, FINISH MATERIALS, AND CEILING HEIGHTS.
5. CENTER ALL FIXTURES IN CEILING TILES WHERE APPLICABLE.
6. ALL EXISTING EXIT SIGNS TO REMAIN.
7. ALL ALL CEILING MATERIALS IN PROJECT AREAS SHALL BE IN COMPLIANCE WITH IBC TABLE 803.5 AND SHALL BE MINIMUM CLASS C (FLAME SPREAD 0-200, SMOKE DEVELOPED 0-450) PER ASTM E84.

KEYED CEILING NOTES

- ① EXISTING EMERGENCY LIGHT FIXTURE TO REMAIN
- ② RELOCATED EMERGENCY LIGHT FIXTURE
- ③ EXISTING CEILING AND SUSPENSION SYSTEM
- ④ PRE-FINISHED, POST-SUPPORTED ALUMINUM WALKWAY COVER WITH INTEGRAL DRAINAGE SYSTEM

LEGEND

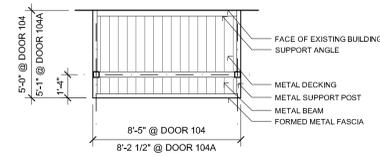
-  SUSPENDED 2' x 2' CEILING SYSTEM (NEW SUSPENSION SYSTEM W/ EXISTING TILES. REFER TO FINISH SCHEDULE AND FINISH LEGEND)
-  GYPSUM BOARD CEILING
-  RECESSED 2'x4' FLUORESCENT LIGHT FIXTURE
-  RECESSED 2'x2' FLUORESCENT LIGHT FIXTURE
-  TRACK LIGHT FIXTURE
-  HVAC SUPPLY
-  HVAC RETURN OR EXHAUST



REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

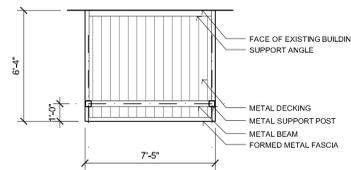
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A8.00



WALKWAY COVER RCP

SCALE: 1/4" = 1'-0"

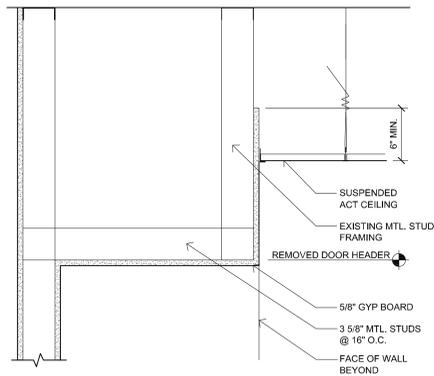
2
A8.00



WALKWAY COVER RCP

SCALE: 1/4" = 1'-0"

3
A8.00



CEILING DETAIL

SCALE: 1/4" = 1'-0"

DT-16

4
A8.00

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DRAWING TITLE
**REFLECTED
CEILING PLANS**

ROOM NO.	ROOM NAME	FLOOR		WALLS				NEW CEILING		REMARKS	
		FINISH	BASE	NORTH	EAST	SOUTH	WEST	TYPE	FINISH		HEIGHT
100	BREAK ROOM	T-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
101	COMPUTER	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXIST	-	7'-10"	
102	LOBBY	T-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
103	DISPATCH OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
104	CORRIDOR	T-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	NEW PAINTED GYP. BD. CEILING @ DRINKING FOUNTAIN
106	MECHANICAL	T-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
107	MEN'S RESTROOM	T-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	7'-10"	
108	WOMEN'S RESTROOM	T-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	7'-10"	
110	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
111	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
112	STORAGE / OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
113	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
114	STORAGE / OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
116	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
117	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
118	MECHANICAL	T-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	
119	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	-	7'-10"	

MARK	MATERIAL	MANUFACTURER	IDENTIFICATION	COLOR	SIZE	REMARKS
CPT-1	CARPET TILE	MILIKEN	DRAFT P/6419	263		OWNER SUPPLIED CONTRACTOR INSTALLED UNDER ALTERNATE 4
T-1	PORCELAIN TILE	AMERICAN OLEAN	CANYON RIDGE	GOLDEN ROD CR11	18" x 18"	OWNER SUPPLIED CONTRACTOR INSTALLED UNDER ALTERNATE 4
RB-1	RESILIENT BASE	JOHNSONITE	167	FUDGE		OWNER SUPPLIED CONTRACTOR INSTALLED UNDER ALTERNATE 4
PLAM-1	PLASTIC LAMINATE	PIONITE	WM115	SUGAR MAPLE II		MILWORK HIGH-WEAR LAMINATE
PLAM-2	PLASTIC LAMINATE	PIONITE	AG581	PEPPER FIBER		MILWORK COUNTERTOP HIGH-WEAR LAMINATE
ACT-1	ACOUSTICAL CLING TILE	-	-	-	24" x 24"	REUSE EXISTING UNDAMAGED TILE REPLACE TO MATCH EXISTING AS REQUIRED
PT-1	PAINT	SHERWIN WILLIAMS	6080	UTTERLY BEIGE		OWNER SUPPLIED CONTRACTOR INSTALLED UNDER ALTERNATE 5
PT-2	PAINT	TBD				HW DOORS & FRAMES - OWNER SUPPLIED CONTRACTOR INSTALLED UNDER ALTERNATE 5
ST-1	STAIN	TBD				WD DOORS & FRAMES - OWNER SUPPLIED CONTRACTOR INSTALLED UNDER ALTERNATE 5

LOCATION / SIGN #	SIGN TYPE	MESSAGE	FINISH	REMARKS
107	1	copy: MEN symbol: Male / Handicapped Accessible braille: MEN	MATTE	Size: 10" X 10"
108	2	copy: WOMEN symbol: Female / Handicapped Accessible braille: WOMEN	MATTE	Size: 10" X 10"

BASIS OF DESIGN: ASH-MODULEX, INTOUCH; PHOTOPOYMER NON-GLARE FINISH

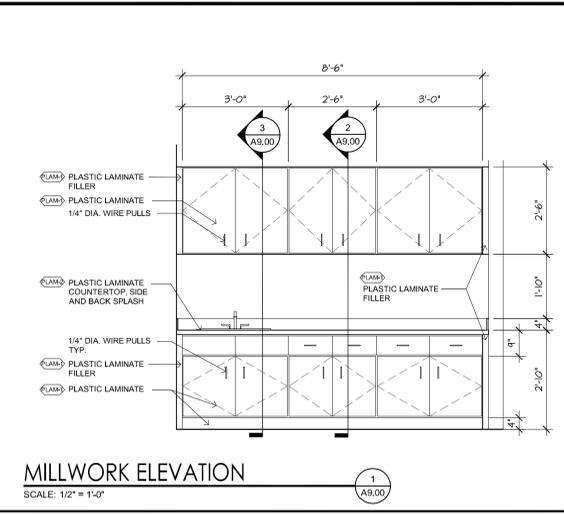
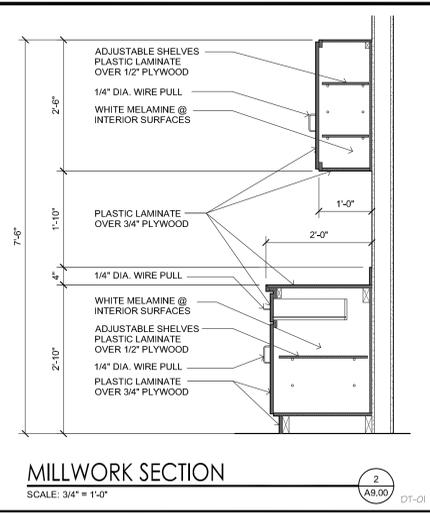
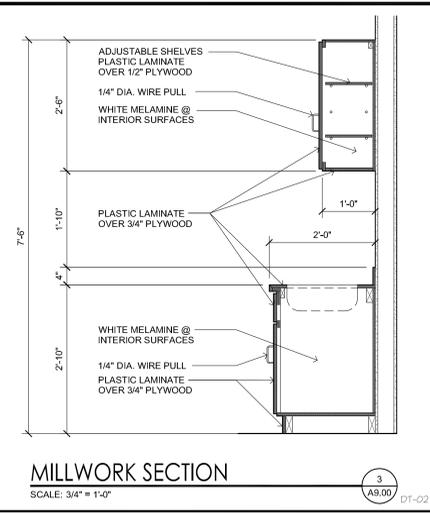
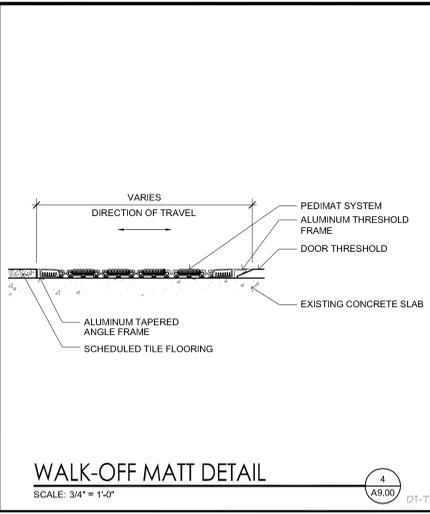
DATE	ISSUED FOR:
03-19-10	OWNER REVIEW
04-23-10	FINAL REVIEW
05-07-10	PERMIT
06-10-10	BID REVIEW
06-15-10	BID

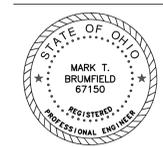
NO.	DATE	REVISION

PROJECT NO.: 09115.10

DRAWING TITLE
**FINISH SCHEDULE,
SIGN SCHEDULE,
MILLWORK**

A9.00





FIXTURES																			
CATALOG NUMBERS INDICATED ARE THOSE OF THE FIRST NAMED MANUFACTURER IN EACH CATEGORY LISTED BELOW - ADDITIONAL MANUFACTURERS ARE LISTED IN PARENTHESIS																			
A. AMERICAN STANDARD (ELJER, KOHLER, TOTO)					E. AMERICAN STANDARD (CHICAGO FAUCET, T&S BRASS, ZURN)					J. ELKAY (JUST WITH LUG AND SCREW)					N. WATER-TITE (OR APPROVED EQUAL)				
B. SLOAN (DELANEY, TOTO, ZURN)					F. CHICAGO (T&S BRASS, ZURN, AMERICAN STANDARD), OASIS (ELKAY, HALSEY TAYLOR)					P. GUARDIAN (ACORN, BRADLEY)					Q. TRUEBERG (BROCKAN, PLUMBEREX, PRO-FLO)				
C. OLSONITE (BENEKE, CHURCH, BEMIS)					G. MCQUIRE (EBC, PRO-FLO, ZURN)					L. MOEN (POWERS, SYMMONS)					R. BRADLEY (WILLOUGHBY, ACORN)				
D. SMITH (JOSAM, MIFAB, WADE, WATTS, ZURN)					H. WILLIAMS (CREATIVE INDUSTRIES, FIAT)					M. AQUARIUS (AQUA GLASS, CLARION)									
MARK	DESCRIPTION	ROOM	HEIGHT	FINISH	SUPPLY	WASTE & VENT	FIXTURE	SUPPLY TRIM	SUPPLY/STOP	WASTE TRIM	TRAP/FLX. DR.	MISC.	CARRIER	SEE NOTE					
A1	WATER CLOSET/WALL HUNG/1.28 GPF F.V./ADA	17" RIM	1"	3"	3"	3"	3"	1.5"	A 3351.128	B 1111-128	B UNIT	A UNIT	A INTEGRAL	C 95SSC	1,4,5				
B1	LAVATORY / WALL HUNG / ADA	34" RIM	5"	5"	25"	5"	5"	5"	A 9141.011	E 7400.172H	G BV2165	G 155AECCO	G 8912CBECO	Q 102 E-Z	2,3,4				
C1	URINAL / WALL HUNG / ADA	34" RIM	5"	5"	25"	5"	5"	5"	A 9141.011	E 7400.172H	G BV2165	G 155AECCO	G 8912CBECO	Q 102 E-Z	2,3,4				
F1	COUNTERTOP SINK/S.S./DOUBLE COMPT/1.5 GPM	36"	5"	5"	5"	5"	5"	5"	H LR-3322	E 2301-8CF	F H2165LK	H LK-35B	F 1111C16G17		4				
G1	WATER COOLER/ WALL HUNG/ ADA	34"	5"	5"	25"	5"	5"	5"	J PBACSL	J UNIT	F H2165LK	J UNIT	F 8902DF		3				

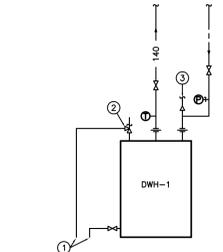
FIXTURE SCHEDULE NOTES:
1 REFER TO ARCHITECTURAL ROOM ELEVATIONS FOR ARRANGEMENT AND MOUNTING HEIGHT OF FIXTURES AND ACCESSORIES.
PROVIDE CHROME PLATED BRASS SUPPLIES TO WALL.
PROVIDE ASSE TO 70 MOVING VALVE BENEATH COUNTER. SET TEMPERATURE AT 105° F.
FIXTURE AND INSTALLATION SHALL COMPLY WITH ALL ADA REQUIREMENTS.
SEE SOIL, WASTE AND VENT DIAGRAM FOR CARRIER REQUIREMENTS.

DRAINS														
MARK	CATALOG NOS.	TYPE	BODY	OUTLET	STRAINER/GRATE	TOP FINISH	ADDITIONAL FEATURES	SEE NOTE						
FD1	2005-A	FLOOR	CAST IRON	3"	6" RD	CAST IRON	ANCHOR FLANGE DRAIN BRACKET SEED BRACKET AUX. STRAINER BEARING PAN U-DECK CLAMP 2" STANDPIPE TRAP PRIMER	1						

DRAIN SCHEDULE NOTES:
1 DRAINS WITHOUT TRAP PRIMERS SHALL HAVE TRAP PRIMER OPENING PLUGGED.

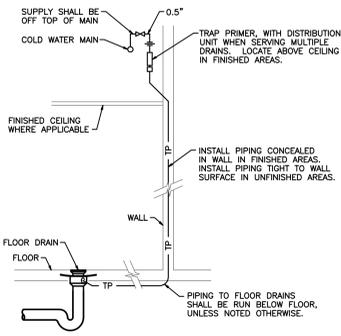
EQUIPMENT DATA

DWH1 DOMESTIC WATER HEATER - ELECTRIC; STORAGE TYPE
RECOVERY CAPACITY: 11 GPH AT 140 F TEMPERATURE RISE
STORAGE CAPACITY: 19.9 GALLONS
ELECTRIC: 2.5 KW - 120 VOLT - 1 PHASE NON-SIMULTANEOUS
SET DISCHARGE TEMPERATURE TO 140 F
BASIS OF DESIGN: A.O. SMITH EJCT-20

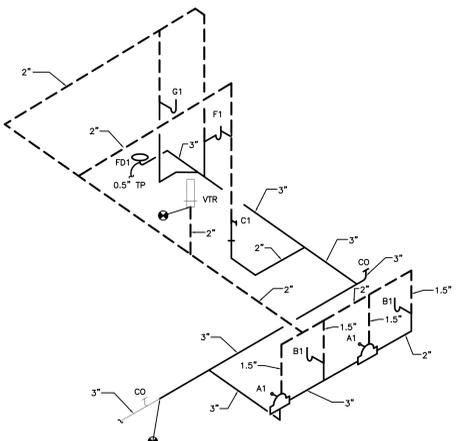


- NOTES
1 AIR GAP OVER FLOOR DRAIN.
2 COMBINATION TEMPERATURE-PRESSURE RELIEF VALVE.
3 VACUUM RELIEF VALVE.

DOMESTIC WATER HEATER PIPING (A) P0.1
SCALE: NONE



TRAP PRIMER (B) P0.1
SCALE: NONE



SOIL, WASTE AND VENT DIAGRAM
SCALE: NTS

LEGEND

- GC GENERAL CONTRACTOR
- PC PLUMBING CONTRACTOR
- HC HVAC CONTRACTOR
- EC ELECTRICAL CONTRACTOR
- CONNECT TO EXISTING SYMBOL
- DETAIL NOTE SYMBOL (FOR NOTES ON SAME DETAIL)
- NOTE SYMBOL (FOR NOTES ON SAME SHEET)
- ROOM NUMBER
- WATER SERVICE
- SANITARY DRAINAGE PIPE
- SANITARY VENT PIPE
- EXISTING PIPE TO REMAIN
- EXISTING PIPE TO BE REMOVED
- DCW COLD WATER PIPE
- 140 HOT WATER PIPE (140 DEGS. F.)
- SHUTOFF VALVE
- CONCENTRIC REDUCER/INCREASER
- SHUTOFF VALVE ON RISER
- SHUTOFF AND BALANCING VALVE
- CHECK VALVE
- UNION
- DIRECTION OF FLOW
- A2 PLUMBING FIXTURE
- FD2 DRAIN (FD, AD, DD, RD, PD, OD)
- VR VENT RISER
- CO CLEANOUT
- VTR VENT THRU ROOF
- AFF ABOVE FINISH FLOOR
- INV INVERT ELEVATION
- TP TRAP PRIMER
- THERMOMETER
- DETAIL B SHOWN ON SHEET P2
- BALL VALVE

SHEET INDEX	
SHEET NUMBER	SHEET NAME
P0.1	LEGEND, SCHEDULE & DETAILS
P1.0	PLUMBING FLOOR PLAN

CLERMONT COUNTY
CTC FACILITY RENOVATION / IMPROVEMENT PHASE 1
4003 FILAGER ROAD
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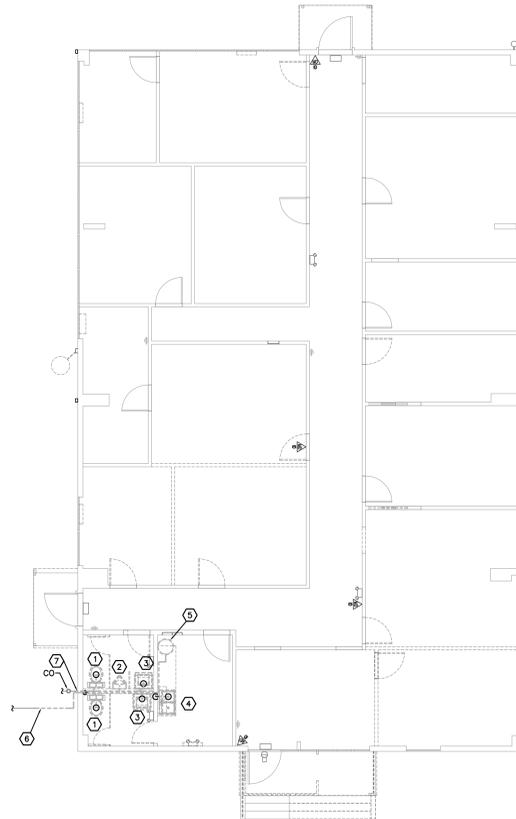
PROJECT NO.: 09115.10

DRAWING TITLE
LEGEND,
SCHEDULE &
DETAILS

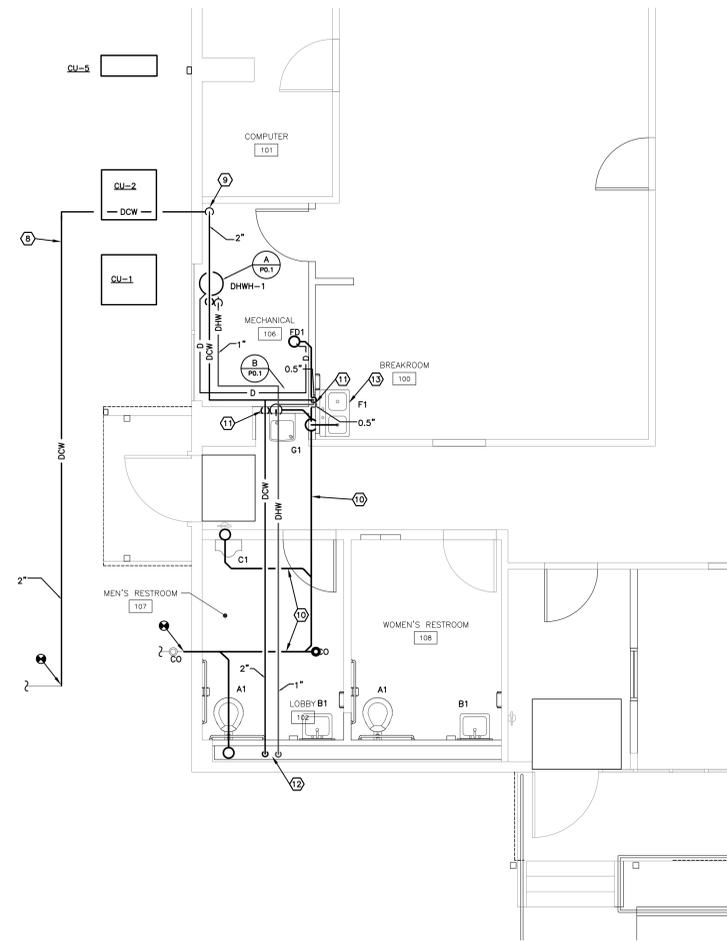


○ NOTES

- 1 REMOVE EXISTING FLOOR MOUNTED WATER CLOSET AND ASSOCIATED SUPPLY AND WASTE PIPING.
- 2 REMOVE EXISTING WALL HUNG URINAL, CARRIER AND ASSOCIATED SUPPLY AND WASTE PIPING.
- 3 REMOVE EXISTING COUNTERTOP LAVATORY, VANITY AND ASSOCIATED SUPPLY AND WASTE PIPING.
- 4 REMOVE EXISTING DOUBLE COMPARTMENT SINK, DISPOSAL AND ALL ASSOCIATED SUPPLY AND WASTE PIPING.
- 5 REMOVE EXISTING ELECTRIC WATER HEATER, ALL HOT WATER PIPING AND SUPPLY COLD WATER PIPING.
- 6 REMOVE EXISTING DOMESTIC COLD WATER PIPING BACK TO POINT AS SHOWN FOR NEW WATER SERVICE CONNECTION.
- 7 REMOVE EXISTING SANITARY PIPING TO CLEAN OUT LOCATED OUTSIDE BUILDING.
- 8 NEW WATER SERVICE ROUTED UNDERGROUND TO NEW MECHANICAL ROOM AS SHOWN.
- 9 PROVIDE NEW BACKFLOW PREVENTER, MOUNTED VERTICALLY AS SHOWN. REFER TO SPECIFICATIONS FOR REQUIREMENTS.
- 10 NEW SANITARY PIPING LOCATED BELOW FLOOR SLAB. SAW CUT EXISTING FLOOR AS NEEDED TO ALLOW NEW ROUTING.
- 11 DOMESTIC PIPE DROPS IN WALL TO SERVE PLUMBING FIXTURES.
- 12 DOMESTIC PIPE DROPS IN CHASE TO SERVE PLUMBING FIXTURES. ROUTE PIPING MANIFOLD TO SERVE FIXTURE CONNECTIONS.
- 13 PROVIDE INTERIOR HOSE BIBB ON DOMESTIC COLD AND HOT WATER PIPING UNDER SINK.



PLUMBING FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"
DEMOLITION BY CONTRACTOR PART OF ALTERNATE NO. 3



PLUMBING FLOOR PLAN - NEW WORK
SCALE: 1/8" = 1'-0"

CLERMONT COUNTY
CTC FACILITY RENOVATION / IMPROVEMENT PHASE 1
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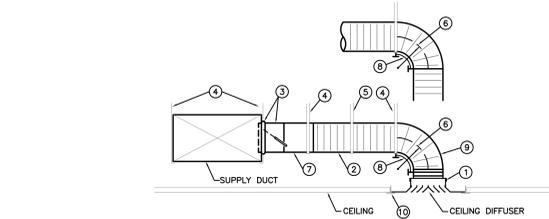
NO.	DATE	REVISION

PROJECT NO.: 09115.10

DRAWING TITLE
PLUMBING FLOOR PLAN

COOLING-HEATING SPLIT SYSTEMS

SYSTEM NUMBER	HP-1/CU-1	HP-2/CU-2	HP-3/CU-3	HP-4/CU-4	AC-1/CU-5
AREA SERVED					
DESCRIPTION	SPLIT SYSTEM HEAT PUMP	COMPUTER ROOM UNIT			
UNIT CONFIGURATION	VERTICAL	VERTICAL	VERTICAL	VERTICAL	WALL MOUNTED
CFM	1,580	1,115	1,730	1,955	600
EXTERNAL S.P.	0.55"	0.4"	0.6"	-	-
MOTOR HP	0.75	0.5	1.0	1.0	-
VOLTAGE & PHASE	240/1	240/1	240/1	240/1	240/1
TOTAL MBH	50,453	44,094	56,287	44,696	24,200
SENSIBLE MBH	40,798	30,988	43,396	42,923	14,800
DB ENTERING AIR	92.8	92.8	92.8	92.8	-
WB ENTERING AIR	77.9	77.9	77.9	77.9	-
HEATING MBH (OUTPUT)	26,200	16,400	16,400	26,200	29,000
STAGES (MIN.)	7.68/1	4.80/1	4.80/1	7.68/1	-
ELECTRIC COIL	240/1	240/1	240/1	240/1	-
POWER CCT. (A.)	32	20	20	32	-
ENTERING AIR TEMP.	5	5	5	5	-
OUTSIDE AIR, CFM	150	225	100	100	-
MCA / MOCP	49 / 50	30 / 30	34 / 35	49 / 50	0.5 FLA / 20
DESCRIPTION	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT
NOMINAL TONS	4.0	3.5	4	4	2
MCA / MOCP	29 / 50	27 / 45	35 / 60	35 / 60	0.7 FLA / 20
VOLTAGE & PHASE	240/1	240/1	240/1	240/1	240/1
REFRIGERANT	R-410A	R-410A	R-410A	R-410A	R-410A
SEER	15	15	15	15	17
REFERS: LIQUID & SUCTION (APPROXIMATE SIZES)	3/8" / 7/8"	3/8" / 3/4"	3/8" / 7/8"	3/8" / 7/8"	1/4" / 5/8"
EVAPORATOR DEFROST	YES	YES	YES	YES	YES



- SQUARE-TO-ROUND ADAPTOR IF DIFFUSER NECK IS SQUARE.
- INSULATED FLEXIBLE DUCT SAME DIAMETER AS BRANCH DUCT (7), 7 FT. MAXIMUM TOTAL LENGTH PER AIR DEVICE. STRETCH FLEXIBLE DUCT TO AT LEAST 90% OF FULLY EXTENDED LENGTH.
- SPIN-IN BRANCH TAP FITTING, STRAIGHT SIDE, WITH MANUAL DAMPER. DAMPER SHAFT IN HORIZONTAL. INTEGRAL INSULATION GUARD SLEEVE REQUIRED FOR TAP FITTING TO MAIN DUCT WITH INTERNAL INSULATION, AND EXTENDED DAMPER SHAFT AND HANDLE WITH STAND-OFF TO ACCOMMODATE EXTERNAL INSULATION.
- DUCT STRAP HANGER, ATTACH TO STRUCTURE.
- STRAP HANGER REQUIRED IF LENGTH OF FLEXIBLE DUCT IS LONGER THAN 4 FT.
- MINIMUM CENTERLINE RADIUS EQUAL TO DUCT DIAMETER.
- ROUND SHEETMETAL BRANCH DUCT, SAME SIZE AS DIFFUSER INLET UNLESS NOTED OTHERWISE.
- FLEXIBLE DUCT ELBOW SUPPORT, INSTALLED WITH NYLON BANDING PER MANUFACTURER'S INSTRUCTIONS.
- A RADIUS'D SHEETMETAL ELBOW MAY BE USED IN LIEU OF A FLEXIBLE ELBOW SUPPORT WHEN CONNECTED DIRECTLY TO AIR DEVICE.
- CEILING T-BAR SUPPORT (FOR LAY-IN APPLICATIONS). COORDINATE WITH CEILING CONTRACTOR AND VERIFY T-BAR TYPE FOR COMPATIBILITY WITH DIFFUSER.

CEILING DIFFUSER DUCT CONNECTION (A) MO.1

SCALE: NONE

FANS

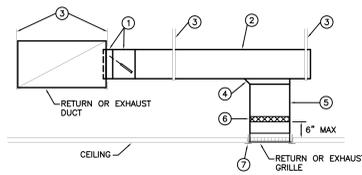
UNIT NO.	DESCRIPTION	SERVICE	CFM	STATIC PRESS	WHEEL DIA.	MAX. SONES	H.P.	VOLT	PHASE	APPROX. ROOF/WALL O.P.C.	NOTES
EF-1	INLINE CENTRIFUGAL	RESTROOMS	150	0.125"	9	3.2	1/40	120	1	-	1

NOTES:
1 FAN TO RUN CONTINUOUSLY.

AIR DISTRIBUTION DEVICES

SYMBOL	DESCRIPTION	TYPE MOUNTING		MATERIAL		FINISH			CATALOG NUMBER	ACCESSORIES	SEE NOTE
		LAY-IN	SURFACE	STEEL	ALUM.	O.W.B.E.	E.C.L.	OTHER			
A1	SQUARE CONE CEILING DIFFUSER - ROUND NECK	*		*	*	*	*	*	TMS-AA		
F1	FIXED BLADE REGISTER		*	*	*	*	*	*	J-FL		
K1	EGGCRATE CEILING REGISTER	*		*	*	*	*	*	50F	OPPOSED BLADE DAMPER	
L1	LOUVER		*	*	*	*	*	KYNAR	50F	BIRDSCREEN	1

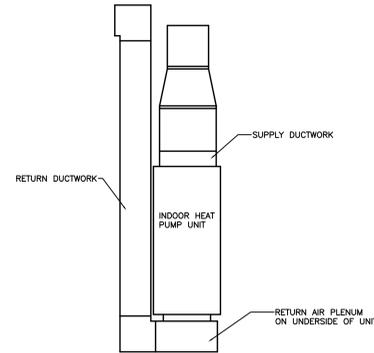
NOTES:
1 COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.



- 45 DEGREE STATIC BOOT AND MANUAL DAMPER. INTEGRAL INSULATION GUARD SLEEVE REQUIRED WHEN MAIN DUCT HAS INTERNAL INSULATION. EXTENDED DAMPER SHAFT AND HANDLE WITH STAND-OFF REQUIRED FOR EXTERNALLY INSULATED DUCTWORK.
- SHEET METAL DUCT, SIZE AS NOTED ON PLANS.
- DUCT STRAP HANGER.
- STATIC BOOT SIMILAR TO (1) EXCEPT NO DAMPER.
- SHEET METAL DUCT, FULL SIZE OF GRILLE NECK SIZE.
- FLEXIBLE DUCT CONNECTOR.
- CEILING T-BAR SUPPORT (FOR LAY-IN APPLICATIONS). COORDINATE WITH CEILING CONTRACTOR AND VERIFY T-BAR TYPE FOR COMPATIBILITY WITH GRILLE.

RETURN/EXHAUST GRILLE DUCT CONNECTION (B) MO.1

SCALE: NONE



INDOOR HEAT PUMP UNIT (C) MO.1

SCALE: NONE

LEGEND

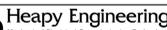
- P.C. PLUMBING CONTRACTOR
- H.C. HVAC CONTRACTOR
- E.C. ELECTRICAL CONTRACTOR
- G.C. GENERAL CONTRACTOR
- N.I.H.C. NOT IN HVAC CONTRACT
- ⊙ THERMOSTAT - MOUNTING HEIGHT 46" TO MEET ADA REQUIREMENTS. WHEN MOUNTED NEXT TO WALL SWITCH COORDINATE WITH ARCHITECT.
- ⊙ NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH NOTE IS SHOWN.
- ROOM NUMBER.
- ⊙ APPROXIMATE ELEVATION FROM FLOOR TO BOTTOM OF DUCT, PIPE, DEVICE OR EQUIPMENT ITEM. (TO BE USED AS AID IN COORDINATING THE VARIOUS TRADES.)
- SECTION "A" DESIGNATION, SHOWN ON SHEET H1.01.
- DETAIL "A", SHOWN ON SHEET H1.01.
- AIR DEVICE A3 = DESIGNATION - REFER TO AIR DEVICE SCHEDULE. 8"D = NECK SIZE. 300 = REQUIRED CFM. 3 = AIR DISCHARGE IF OTHER THAN 4-WAY. METHOD OF IDENTIFICATION ALSO APPLIES TO OTHER CEILING MOUNTED DEVICES.
- WALL OR DUCT MOUNTED AIR DEVICE. G1 = DESIGNATION - REFER TO AIR DEVICE SCHEDULE. 24"x16" = DUCT CONNECTION SIZE. 200 = REQUIRED CFM. 9"-4" = MOUNTING HEIGHT FROM FLOOR TO BOTTOM OF DEVICE.
- DOOR UNDERCUT BY GENERAL CONTRACTOR.
- DUCT RISE IN DIRECTION OF AIR FLOW.
- DUCT DROP IN DIRECTION OF AIR FLOW.
- FLEXIBLE DUCT CONNECTION.
- MANUAL BALANCING VOLUME DAMPER WITH LOCKING DEVICE.
- DRAIN PIPE.
- DIRECTION OF FLOW.
- PITCH DOWN.
- REFRIGERANT - LIQUID.
- REFRIGERANT - SUCTION.
- REFRIGERANT - HOT GAS.



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PROJECT NO.: 09115.10

DRAWING TITLE
LEGEND,
SCHEDULE &
DETAILS

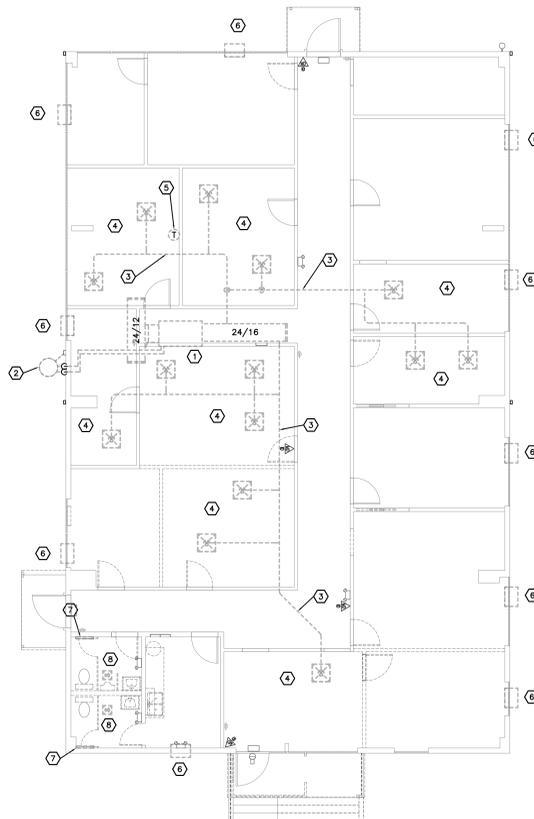
MO.1

SHEET INDEX	
SHEET NUMBER	SHEET NAME
MO.1	LEGEND, SCHEDULE & DETAILS
M1.0	MECHANICAL FLOOR PLAN
M2.0	ENLARGED PLANS & SCHEMATICS



NOTES

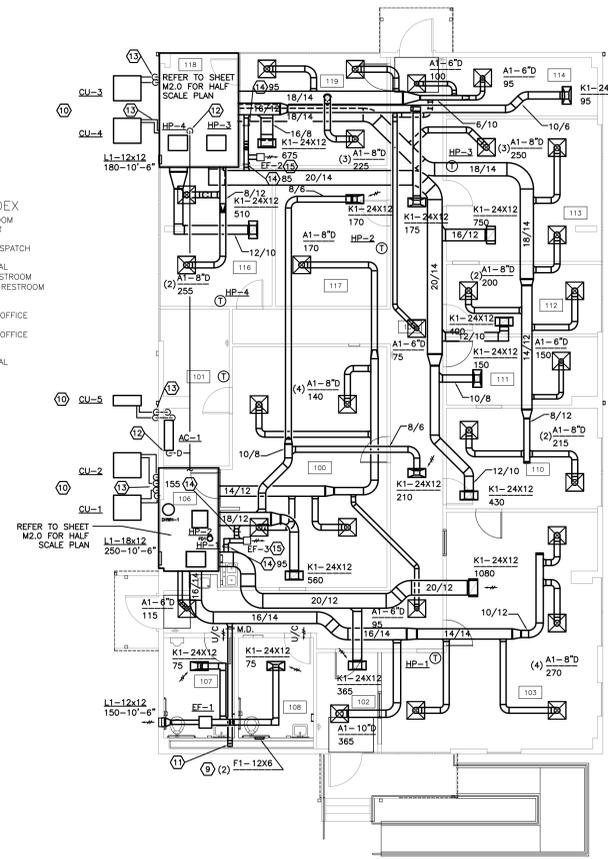
- REMOVE EXISTING SPLIT SYSTEM, LOCATED ABOVE CEILING. REMOVE ALL ASSOCIATED REFRIGERANT PIPING, CONDENSATE DRAIN AND DUCTWORK.
- REMOVE EXISTING CONDENSING UNIT AND ALL ASSOCIATED REFRIGERANT PIPING AND SUPPORTS.
- REMOVE ALL DUCTWORK.
- REMOVE AIR DEVICES AND ALL ASSOCIATED DUCTWORK IN THIS ROOM.
- REMOVE THERMOSTAT.
- REMOVE THROUGH WALL HEAT PUMP UNIT AND ALL ASSOCIATED COMPONENTS. REPLACE OPENING WITH INSULATED METAL PANEL, SEALED WEATHER-TIGHT.
- REMOVE ELECTRIC BASEBOARD HEATER.
- REMOVE EXHAUST FAN.
- PROVIDE ONE AIR DEVICE APPROXIMATELY 1'-6" AFF AND ONE AIR DEVICE APPROXIMATELY 7'-6" AFF FOR AIR TRANSFER THROUGH CHASE.
- PROVIDE POLYURETHANE BASE FOR OUTDOOR CONDENSING UNITS. UNITS TO BE MOUNTED A MINIMUM OF 8" ABOVE FINISHED GRADE.
- 6/4 DUCT TO TURN DOWN INTO NEW PLUMBING CHASE. BALANCE DUCT TO 135 CFM.
- PROVIDE INLINE CONDENSATE PUMP IN DRAIN. EC TO PROVIDE 120V, 50A CIRCUIT. PUMP TO BE LITTLE GIGANT MODEL, EC-400 OR EQUAL. COORDINATE EXACT LOCATION WITH EC.
- REFRIGERANT LIQUID/SUCTION LINES SIZED PER MANUFACTURER'S RECOMMENDATIONS. SEE ENLARGED MECHANICAL ROOM PLANS, SHEET M.20 FOR ROUTING.
- PROVIDE MANUAL BALANCE DAMPER IN RELIEF DUCTWORK. BALANCED TO CFM INDICATED.
- PROVIDE INLINE DUCT FAN TO PULL RELIEF AIR FROM RETURN DUCTWORK. FAN TO DISCHARGE INTO ATTIC SPACE AND AIR WILL TRANSFER TO OUTSIDE VIA EXISTING RELIEF LOUVERS LOCATED IN ATTIC SPACE. FAN TO BE CAPABLE OF TOTAL RELIEF CFM INDICATED. FAN TO BE 120V, FRACTIONAL HORSEPOWER. EC TO PROVIDE 20A CIRCUIT AND DISCONNECT. COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH EC. FAN TO BE BY GREENHECK OR EQUAL.



HVAC FLOOR PLAN - DEMOLITION
SCALE 1/8" = 1'-0"
DEMOLITION BY CONTRACTOR PART OF ALTERNATE NO. 3

ROOM INDEX

- 100 BREAK ROOM
- 101 COMPUTER
- 102 LOBBY
- 103 OFFICE/DISPATCH
- 104 CORRIDOR
- 106 MECHANICAL
- 107 MEN'S RESTROOM
- 108 WOMEN'S RESTROOM
- 110 OFFICE
- 111 OFFICE
- 112 STORAGE/OFFICE
- 113 OFFICE
- 114 STORAGE/OFFICE
- 116 OFFICE
- 117 OFFICE
- 118 MECHANICAL
- 119 OFFICE



HVAC FLOOR PLAN - NEW WORK
SCALE 1/8" = 1'-0"

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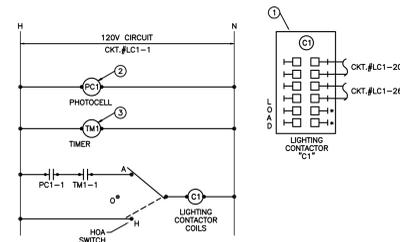
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PROJECT NO.: 09115.10

DRAWING TITLE
MECHANICAL
FLOOR PLAN

FIXTURE SYMBOL	QUANTITY	LAMPS		FIXTURE VOLTAGE	MANUFACTURER & CATALOG NO.	MANUFACTURER & CATALOG NO.	DIFFUSING MEDIA	TRIM COLOR			MOUNTING		SIZE (IN.)			SEE NOTE			
		FLUOR.	INCAN.					H.I.D.	WATS./AMP	S.F. LAMP CAT. NO.	WHITE	BLACK	SILVER	BRONZE	STANDARD		S-SURFACE	S-R-RECESSED	SM-STEM MTD.
B1	2			40	F40/300X/SP/15	120	COLUMBIA #STS22-240TG-MPO-EP-U	LITHONIA, LSI	INDIRECT TROFFER WITH SIDE BASKETS				R	24	24	5.75			
B2	2			32	F32/18/SP/35/ECCO	120	COLUMBIA #STR24-232G-A12.125-EP-U	LITHONIA, LSI	PRISMATIC LENS				R	24	48	5.75			
K1	2	150			VENTURE #MS150W/V/PS	208	KIM #WD1404-150PMH-ED17-SDS14/PS-P-DF		FLAT LENS WITH TYPE 5 DISTRIBUTION				WM	14.6	8.9	13			
K2	2	150			VENTURE #MS150W/V/PS	208	KIM #WD1402-150PMH-ED17-PS-P-DF		FLAT LENS WITH TYPE 2 DISTRIBUTION				WM	14.6	8.9	13			
X1		LED				120	DUAL-LITE #LXURW	LITHONIA, EMERGI-LITE	RED LETTERS ON WHITE FACE				UNIVERSAL	9	13	1.9			
EM1						20/6	DUAL-LITE #LZ2-1	LITHONIA, EMERGI-LITE	EMERGENCY FLOOD LIGHT				WM-90" TO BOTTOM	5.3	13.3	3.7			
T1	1			50	250MR16/C/CG15	120	PRESCOLITE #AKTICS-2	LITHONIA, LSI	BLACK BAFFLE				TRACK MTD	5.25	6.06	3	1		
PL1	1	150				208	SPALDING #DL1/N/P15/H5/F1/2/BL/F2-ARM/R/6/RA/BL		FLAT LENS WITH TYPE 5 DISTRIBUTION				12FT. POLE	18	DI A	8.5	2		
PL2	2	350				208	SPALDING #DL2/N/P35/H2/F1/2/BL/F2-ARM/R/6/RS/BL		FLAT LENS WITH TYPE 2 DISTRIBUTION				30FT. POLE	22.5	DI A	9.5	3		

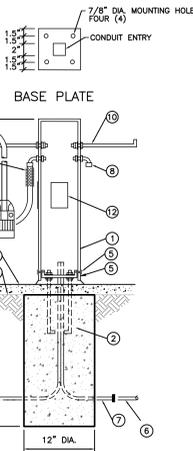
- NOTES:
- INCLUDE A COMPATIBLE WALL MOUNT DIMMER SWITCH WITH WHITE FINISH AND SINGLE CIRCUIT LIGHTING TRACK WITH ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION TO THE LAY-IN CEILING TEE. FOR TRACK LENGTH, SEE E1.0.
 - PROVIDE THIS FIXTURE WITH ONE (1) VENTURE #MS-150W/C/V/PS LAMP.
 - PROVIDE THIS FIXTURE WITH TWO (2) VENTURE #MS-350W/C/H75/ED28/PS LAMPS.



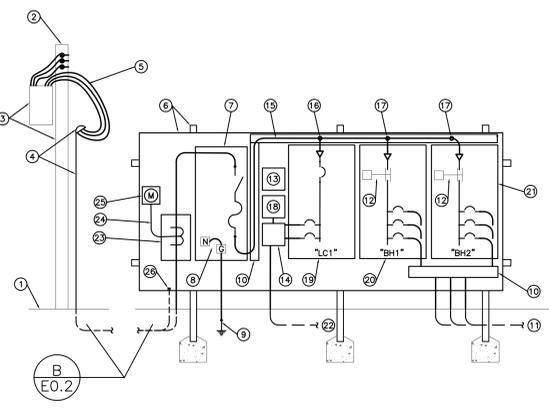
- NOMENCLATURE**
- LIGHTING CONTROLLER "C1" - MECHANICALLY HELD CONTACTOR WITH SIX (6) N.O. CONTACTS, H.O.A. SWITCH AND 120V OPERATING COIL. (SQUARE "D" CLASS 8903 OR EQUAL BY ASCO). INSTALL IN A NEMA 1 ENCLOSURE ADJACENT TO PANELBOARDS WITH H.O.A. SWITCH INSTALLED ON OUTSIDE OF ENCLOSURE DOOR.
 - PHOTOCELL - TORK #5403 (DPST). INSTALL ON BACKBOARD AWAY FROM INTERFERING LIGHT SOURCES.
 - TIMER - SEE DETAIL B/EO.1.
- * - SPARE
SCALE: NONE

LEGEND

- E.C. ELECTRICAL CONTRACTOR
- H.C. HVAC CONTRACTOR
- P.C. PLUMBING CONTRACTOR
- F.P.C. FIRE PROTECTION CONTRACTOR
- G.C. GENERAL CONTRACTOR
- E.S. EQUIPMENT SUPPLIER
- WP WEATHERPROOF
- EM EMERGENCY
- S SURFACE MOUNTED
- E EXISTING
- AFF ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM UNLESS INDICATED OTHERWISE ON DRAWINGS.
- MH MOUNTING HEIGHT TO CENTERLINE OF ITEM UNLESS INDICATED OTHERWISE ON DRAWINGS.
- WCS WESTERVILLE CITY SCHOOLS
- NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH NOTE IS SHOWN.
- DETAIL NOTE SYMBOL - APPLIES ONLY TO DETAIL ON WHICH NOTE IS SHOWN.
- EQUIPMENT REFERENCE SYMBOL.
- ROOM NUMBER.
- SECTION "A" DESIGNATION FROM PLAN E2, SHOWN ON SHEET E5.
- DETAIL B SHOWN ON SHEET E2.
- ELECTRICAL CONNECTION REQUIRED.
- EXIT LIGHTING FIXTURE. ARROWS AS INDICATED.
- LIGHTING FIXTURE, CAPITAL LETTER DENOTES FIXTURE TYPE. LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
- LIGHTING FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT.
- WIRE RUN IN SURFACE WIREWAY.
- WIRE & CONDUIT FOR NIGHT LIGHT CIRCUITRY.
- WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
- EXISTING WIRE & CONDUIT.
- EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; CAPITAL LETTER DENOTES PANEL NUMBER DENOTES CIRCUIT.
- WIRE & CONDUIT IN WALL OR ABOVE CEILING.
- WIRE & CONDUIT IN OR BELOW FLOOR SLAB OR BELOW GRADE.
- JUNCTION BOX.
- DASHED SYMBOL INDICATES THAT PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
- EXISTING OUTLET OR DEVICE TO REMAIN, MAINTAIN EXISTING CIRCUITRY.
- 20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" M.H.).
- 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" M.H.).
- SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
- 20A-125V DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, (18" M.H.) TWO-GANG ASSEMBLY.
- 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, (46" M.H.).
- 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.).
- 20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.), WITH TAYMAC #20310 STANDARD COVER, VERTICAL MOUNT.
- SINGLE POLE WALL SWITCH (46" M.H.).
- THREE-WAY WALL SWITCH (46" M.H.).
- FOUR-WAY WALL SWITCH (46" M.H.).
- LIGHTING DIMMER SWITCH (46" M.H.) 1000 WATT UNLESS OTHERWISE INDICATED.
- FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT, ONE-GANG ASSEMBLY (46" M.H.).
- HP RATED WALL SWITCH (46" M.H.).
- DISCONNECT SWITCH.
- MOTOR STARTER.
- COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
- ELECTRIC MOTOR.
- CIRCUIT BREAKER PANEL, FLUSH MOUNTED.
- CIRCUIT BREAKER PANEL, SURFACE MOUNTED.
- POWER PANEL OR SWITCHBOARD, SURFACE MOUNTED.
- LINE VOLTAGE THERMOSTAT.
- DATA OUTLET (18" M.H. EXCEPT WHEN SUBSCRIPT "W" IS SHOWN, MOUNT AT 46" M.H.), SINGLE GANG OUTLET BOX WITH BLANK COVERPLATE. STUB AN EMPTY 3/4" BUSHED CONDUIT OUT ABOVE ACCESSIBLE CEILING.
- TELEPHONE CONDUIT.
- TELEPHONE OUTLET (18" M.H. EXCEPT WHEN SUBSCRIPT LETTER IS SHOWN, "W" INDICATES 46" M.H., "T" INDICATES 46" M.H.), STUB AN EMPTY 3/4" BUSHED CONDUIT OUT ABOVE ACCESSIBLE CEILING.
- ELECTRIC DOOR OPERATOR, INCLUDING RELAYS, OPERATING SWITCHES AND LIMIT SWITCHES SHALL BE FURNISHED BY THE DOOR EQUIPMENT SUPPLIER AND INSTALLED BY THE E.C. IN ACCORDANCE WITH APPROVED WIRING DIAGRAMS BY THE EQUIPMENT SUPPLIER (120 VOLT SINGLE PHASE OPERATION).
- PUSHPLATE DOOR CONTROLS FURNISHED BY THE DOOR EQUIPMENT SUPPLIER AND INSTALLED BY THE E.C. (30" M.H.).
- FLUSH CEILING MOUNTED SPEAKER.
- SPEAKER VOLUME CONTROLLER (46" M.H.).
- CEILING MOUNTED OCCUPANCY SENSOR.
- SINGLE-POLE WALL SWITCH WITH OCCUPANCY SENSOR (46" M.H.).
- EMERGENCY BATTERY FLOODLIGHT, WALL MOUNTED (6" BELOW CEILING TO TOP)
- CEILING MOUNTED LIGHTING TRACK & TRACK MOUNTED LIGHTING FIXTURE.
- DOOR ACCESS CARD/PROXIMITY READER (46" M.H.).
- ELECTRO-MECHANICAL DOOR LOCK.
- REMOTE DOOR OPERATOR PUSH BUTTON (46" M.H.).



- NOMENCLATURE**
- BLOCK HEATER CORD PEDESTAL. 12 GAUGE CRS WITH WELDED SMOOTH GROUND TOP PLATE. BOTTOM PLATE WITH CONDUIT ENTRY AND WHITE POWDER PAINT FINISH.
 - ANCHOR BOLTS 3/4" X 10" X 2" ZINC PLATED L HOOKS.
 - PAVING.
 - FINISH GRADE, COMPACT TO 95%.
 - BASE PLATE, LEVELING NUTS, BASE GROUT. PACK GROUT TO MAINTAIN LEVELING NUT POSITION.
 - PVC CONDUIT, SCHEDULE 40.
 - RIGID GALVANIZED STEEL CONDUIT.
 - 90 DEGREE CORD GRIP, KELLAMS DELUXE CORD GRIP, WITH SS MESH GRIP AND ALUMINUM FITTING. WET LOCATION LISTED, TYPICAL OF TWO (2) REQUIRED EACH PEDESTAL. HUBBELL #07401085.
 - 10/3 SUECOON CORD, FIFTEEN FOOT LONG WITH NEMA 5-20R RECEPTACLE AND HUBBELL "90" SERIES SEAL-TITE TRIPLE SEAL BLACK COVER WITH CAP. COIL OVER CORD ARM. TYPICAL OF TWO (2) REQUIRED EACH PEDESTAL. HUBBELL # HBL33CM69C/HBL6018/HBL6019.
 - CORD ARM, 3/4" X 20" X 2" ZINC PLATED HOOK, WITH WASHERS AND DOUBLE NUT TO PEDESTAL. TYPICAL OF TWO (2) REQUIRED EACH PEDESTAL.
 - KELLAMS STRAIN RELIEF GRIPS FURNISHED WITH THE CORD GRIP. SEE ITEM B.
 - HANDHOLE AT 18" TO ALLOW ACCESS FOR WEATHERPROOF SPLICE OF CORD TO THE XHW BRANCH CIRCUIT CONDUCTORS.
- NOTE: CUSTOM FABRICATED ASSEMBLY IS REQUIRED. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- BLOCK HEATER PEDESTAL**
SCALE: NONE



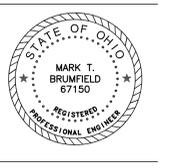
- NOMENCLATURE**
- FINISHED GRADE.
 - EXIST. PWR CO. POLE. FIELD VERIFY EXACT LOCATION ON SITE.
 - NEW PWR CO. 75KVA, 120/240V, 1-PHASE TRANSFORMER.
 - WEATHERHEAD FOR ONE OF TWO - 2.5" PVC CONDUITS - ANCHOR TO POLE PER POWER CO. DIRECTION. RISE TO TEN FEET AS DIRECTED BY THE PWR CO. CAP THE ONE SPARE 2.5" CONDUIT.
 - 3-#400KCMIL.
 - UNI-STRUT P-1000 FRAME WITH CROSS-BRACING AND WITH 12 GAUGE STEEL PLATE ANCHORED TO GRADE WITH FIVE FOOT DEEP X 2 FOOT DIAMETER CONCRETE FOOTINGS.
 - 400 AMP MAIN SERVICE FUSIBLE DISCONNECT SWITCH WITH GROUNDING PROVISIONS IN A NEMA TYPE 3R ENCLOSURE. FUSE AT 400A WITH TYPE "LPH-RK" FUSES.
 - BOND NEUTRAL TO GROUND ROD WITH #1/0 AWG COPPER GROUNDING ELECTRODE IN 75'.
 - "CADWELD" TO 5/8" X 10 FT. LONG DRIVEN GROUND ROD.
 - 12"x12" RAINIGHT WIREWAY, SQUARE D CLASS 5140. PROVIDE RGS CONDUIT NIPPLES WHERE CONDUCTORS ARE INSTALLED TO THE ADJACENT ELECTRICAL EQUIPMENT.
 - 2-#10XHHW (LINE), 2-#10XHHW (NEUTRAL) & 1-#10XHHW GRD. - IN 2" CONDUIT TO EACH BLOCK HEATER PEDESTAL. CONNECT TO THE TWO RECEPTACLES ON THE PEDESTAL. ONE (1) RECEPTACLE FOR EACH BRANCH CIRCUIT WITH DEDICATED NEUTRAL, AS INDICATED ON THE SITE PLAN E0.3.
 - PANELBOARD ON/OFF CONTACTOR WITH 2-WIRE CONTROL AND 120VOLT OPERATING COIL TO OPEN/CLOSE THE CONTACTOR UPON A SIGNAL FROM THE TIMER (SEE ITEM 13). SQUARE D CLASS 8903.
 - TIMER - 120V, 24 HOUR OR 7 -DAY ELECTRONIC TIME CONTROL WITH SPDT CONTACTS TO CONTROL THE BLOCK HEATER PANELBOARDS, AND INCLUDING ASTRO-TRACKING, HOLIDAY PROGRAMMING, AUTO DAYLIGHT SAVINGS ADJUSTMENT AND 8-YEAR LITHIUM BATTERY BACK-UP. INTERMATIC #ET7000 C SERIES. INSTALL IN A NEMA 3R ENCLOSURE WITH LOCKABLE HASP FOR PADLOCK BY OWNER. CONNECT TO OPERATE THE 120VOLT PANELBOARD CONTACTORS. CONTROL CIRCUIT #C1-3 (2-#12, 1#12GRD, .75".
 - LIGHTING CONTACTOR TO CONTROL THE SITE LIGHTING. MECHANICALLY HELD CONTACTOR WITH 120VOLT OPERATING COIL, FOUR (4) N.O. CONTACTS AND H.O.A. SWITCH. INSTALL IN A NEMA 3R ENCLOSURE. CONTROL CIRCUIT #C1-XX (2-#12, 1#12GRD, .75". SEE DETAIL C/EO.1.
 - 3-#400KCMIL & 1-#3 GROUND
 - FEEDER TAP WITH SQUARE D CLASS 9080 DISTRIBUTION BLOCKS, 4 -#1 & 1-#8 GROUND.
 - FEEDER TAP WITH SQUARE D CLASS 9080 DISTRIBUTION BLOCKS, 4 -#3/0 & 1-#8 GROUND.
 - TIMER - 120V, 24 HOUR OR 7 -DAY ELECTRONIC TIME CONTROL WITH SPDT CONTACT TO CONTROL THE SITE LIGHTING CONTACTOR, AND INCLUDING ASTRO-TRACKING, HOLIDAY PROGRAMMING, AUTO DAYLIGHT SAVINGS ADJUSTMENT AND 8-YEAR LITHIUM BATTERY BACK-UP. INTERMATIC #ET7000 C SERIES. INSTALL IN A NEMA 3R ENCLOSURE WITH LOCKABLE HASP FOR PADLOCK BY OWNER. CONNECT TO OPERATE THE 120VOLT LIGHTING CONTACTOR COIL. CONTROL CIRCUIT #C1-XX (2-#12, 1#12GRD, .75".
 - PANELBOARD "LC1".
 - PANELBOARD "BH1".
 - PANELBOARD "BH2".
 - SITE LIGHTING BRANCH CIRCUITS.
 - C.T. CABINET SIZED FOR PWR CO. CURRENT TRANSFORMERS.
 - 2" METER CONDUIT.
 - PROVIDE METER SOCKET FOR PWR CO. METER.
 - CAP THE ONE SPARE 2.5" CONDUIT AT THE BOTTOM OF THE PLATE FOR FUTURE USE.
- BLOCK HEATER POWER SERVICE**
SCALE: NONE

GENERAL NOTES (APPLIES TO ALL NEW WORK SHEETS)

- ALL CONDUCTORS WILL BE COPPER IN CONDUIT.
- PROVIDE A SEPARATE NEUTRAL CONDUCTOR WITH EACH 20A, 120V. POWER CIRCUIT - GROUND TOTAL SYSTEM PER NEC 250.
- ALL EXIT SIGNS SHALL BE CIRCUITED AHEAD OF ANY SWITCHING DEVICE TO CIRCUIT AND PANEL NUMBER SHOWN ON PLANS.
- ALL EXISTING LIGHTING, DEVICES, BRANCH CIRCUITRY AND CONDUIT WHICH ARE TO BE MAINTAINED AND DO NOT INTERFERE WITH REMODELING SCOPE OF WORK SHALL MEET NEC. THIS CONTRACTOR SHALL PROVIDE ALL NEW WORK AS REQUIRED TO INSURE THAT ALL EXISTING WORK IS IN ACCORDANCE WITH ALL APPLICABLE CODES. SCOPE INCLUDES, BUT NOT LIMITED TO; NEW DEVICES AND COVERPLATES, SUPPORTS AND OTHER LABORS AND MATERIALS TO OBTAIN COMPLETE AND OPERATIONAL SYSTEMS. THIS REQUIREMENT IS NOT INTENDED TO APPLY TO AREAS OUTSIDE OF REMODELING/CONSTRUCTION LIMITS. BIDDERS ARE ADVISED TO INSPECT PROJECT SITE DURING THE BIDDING PERIOD.
- ALL EXPOSED CONDUIT ABOVE GRADE WILL BE RIGID GALVANIZED METALLIC WITH ALL STEEL FITTING (UNLESS OTHERWISE NOTED), PAINTED TO MATCH SURFACES ON WHICH THEY ARE MOUNTED.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL NEW ELECTRICAL DEVICES WITH THE ARCHITECT PRIOR TO ROUGH-IN. DEVICES SHALL INCLUDE ALL NEW WORK INDICATED ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO POWER RECEPTACLES, LIGHTING CONTROLS AND SWITCHES, MOTOR CONTROLLERS, FA COMPONENTS, BACKGROUND MUSIC COMPONENTS AND SECURITY EQUIPMENT.
- E.C. IS RESPONSIBLE TO WARRANTY WORK FOR A ONE YEAR PERIOD STARTING ON THE DATE OF SUBSTANTIAL COMPLETION. E.C. SHALL SCHEDULE A ONE YEAR WARRANTY WALK-THROUGH WITH THE OWNER AND ENGINEER 9 MONTHS FROM THE SUBSTANTIAL COMPLETION DATE (3 MONTHS PRIOR TO END OF THE ONE YEAR WARRANTY PERIOD). E.C. IS RESPONSIBLE AT THAT TIME TO REPLACE/REPAIR ANY NON-WORKING EQUIPMENT OR DEVICES COVERED UNDER THE WARRANTY AS DESCRIBED IN THE CONTRACT SPECIFICATIONS.

- GENERAL NOTE (APPLIES TO ALL SHEETS)**
- BRANCH CIRCUIT WIRE SIZING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION, INCREASE CONDUIT SIZING PER WIRE SIZE.
 - 20A-120V CIRCUITS
 - #12 WIRE - 75' LENGTH MAX.
 - #10 WIRE - 125' LENGTH MAX.
 - #8 WIRE - 190' LENGTH MAX.

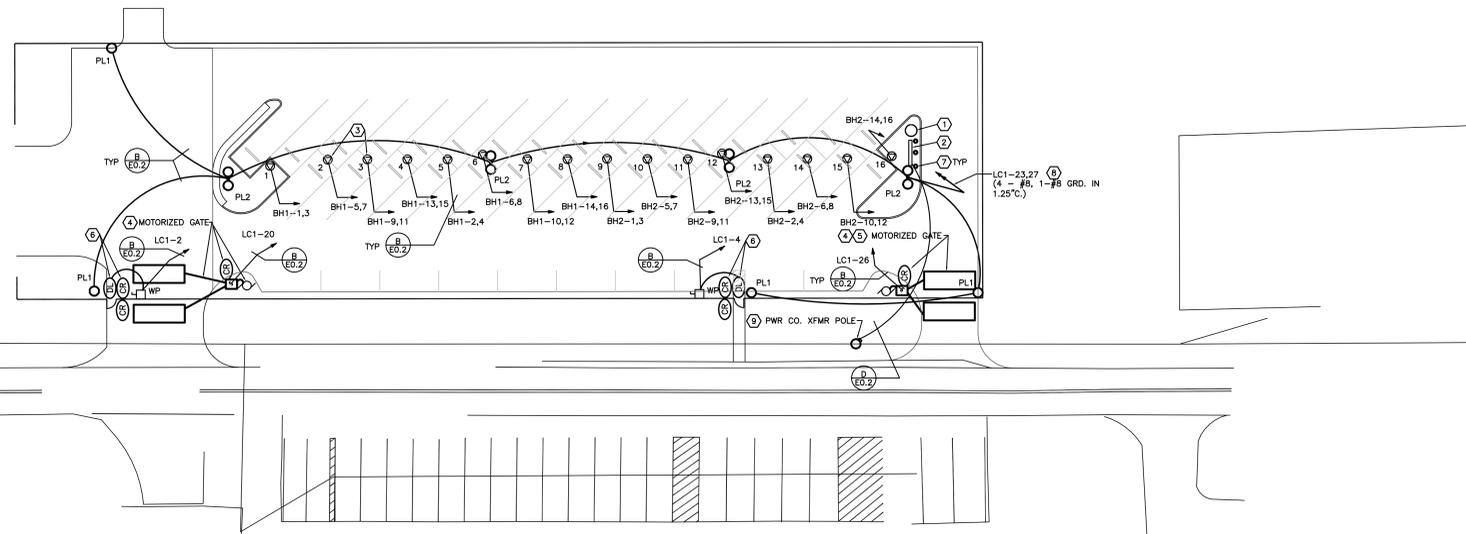
SHEET INDEX	
SHEET	DESCRIPTION
E0.1	LEGEND, SCHEDULES & DETAILS
E0.2	SINGLE-LINE DISTRIBUTION & SCHEDULES
E0.3	SITE PLAN
E1.0	LIGHTING FLOOR PLAN
E2.0	POWER & SYSTEMS FLOOR PLAN
E0.1	DEMOLITION FLOOR PLAN





○ NOTES

- 1 NEW POWER CO. TRANSFORMER POLE. SEE DETAIL B/E0.1.
- 2 ELECTRICAL SERVICE AND DISTRIBUTION, INCLUDING PANELS "BH1", "BH2" & "LC1", SEE DETAIL B/E0.1.
- 3 BLOCK HEATER PEDESTAL CENTER AND ORIENT THE CORD HANGERS TO BE PARALLEL TO THE PARKING BLOCKS. SEE A/E0.1. TYPICAL.
- 4 PROVIDE FINAL CONNECTIONS TO THE GATE MOTOR CONTROLLER, FEEDER TO THE GATE MOTOR, CUT PAVEMENT, INSTALL AND SEAL DETECTOR LOOP, INCLUDE CONDUITS AND BOXES FOR THE PEDESTAL WITH PROXIMITY CARD READERS AND CONNECT-UP COMPLETE AND OPERATING PER THE CHOSEN GATE MANUFACTURER'S INSTALLATION AND DIMENSIONAL DIAGRAMS.
- 5 INCLUDE ASSOCIATED COSTS WITH ALTERNATE NO. 7.
- 6 INCLUDE FINAL CONNECTIONS TO THE PEDESTAL ELECTRIC GATE AND CONDUIT AND BOXES FOR THE PEDESTAL WITH PROXIMITY CARD READERS. CONNECT-UP COMPLETE AND OPERATING PER THE CHOSEN MANUFACTURER'S INSTALLATION DIAGRAMS. PROVIDE THE LOCAL 30A, 120V, 2-POLE & SOLID NEUTRAL DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE.
- 7 THREE FOOT HIGH YELLOW BARRIER BOLLARD.
- 8 INSTALL VIA THE LIGHTING CONTROL CONTACTOR. SEE DETAIL C/E0.1.
- 9 EXISTING PWR CO. POLE TO BE USED FOR THE NEW BLOCK HEATER SERVICE TRANSFORMERS. FIELD VERIFY EXACT LOCATION. SEE B/E0.1.



EXIST.
VEHICLE
MAINTENANCE
GARAGE

EXIST.
SERVICE
GARAGE

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CALL TOLL FREE 800-362-2764
AND 24-HOUR PROTECTION SERVICE

SITE PLAN
SCALE 1" = 30'-0"

CLERMONT COUNTY
CTC FACILITY RENOVATION / IMPROVEMENT PHASE 1
4003 FLAGLER ROAD
BATAVIA, OHIO 45103

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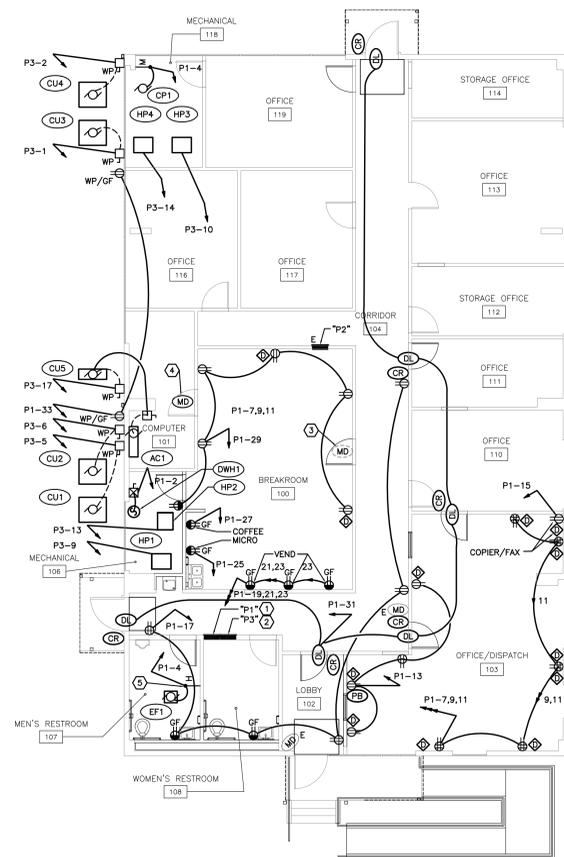
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DRAWING TITLE
SITE PLAN



NOTES

1. INSTALL THE NEW PANELBOARD TO THE WALL WITH THE FLUSH DOOR ACCESS FROM THE CORRIDOR.
2. REMOVE THE EXISTING PANELBOARD AND INSTALL TO THE FLUSH TO WALL ON THE CORRIDOR SIDE.
3. REMOVE THE MOTION DETECTOR AND INSTALL AT THE NEW LOCATION. INTERCEPT THE EXISTING WIRING AND EXTEND TO THE NEW LOCATION.
4. INSTALL THE MOTION DETECTOR AT THIS NEW LOCATION AND RECONNECT. VERIFY MOTION DETECTOR IS FULLY OPERATIONAL.
5. INSTALL ABOVE THE LAY-IN CEILING AT AN ACCESSIBLE LOCATION.



POWER & SYSTEMS FLOOR PLAN
SCALE: 1/8" = 1'-0"

CLERMONT COUNTY
CTC FACILITY RENOVATION / IMPROVEMENT PHASE 1
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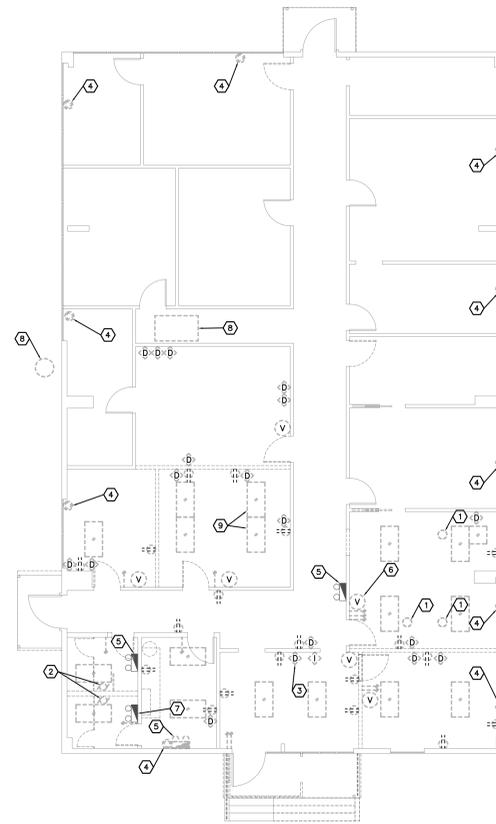
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DRAWING TITLE
POWER &
SYSTEMS FLOOR
PLAN



NOTES

- 1 LIGHTING FIXTURE TO BE REMOVED.
- 2 EXHAUST FAN TO BE REMOVED.
- 3 COMMUNICATIONS OUTLET TO BE REMOVED. TYPICAL.
- 4 HEAT PUMP UNIT TO BE REMOVED. TYPICAL.
- 5 EMERGENCY FLOODLIGHT TO REMAIN.
- 6 VOLUME CONTROLLER TO BE REMOVED. TYPICAL.
- 7 EMERGENCY LIGHT FIXTURE TO BE RELOCATED. FOR NEW LOCATION, SEE THE LIGHTING PLAN.
- 8 HVAC SPLIT UNIT, INTERIOR FAN COIL/EXTERIOR CONDENSING UNIT, TO BE REMOVED.
- 9 LIGHTING FIXTURE TO BE REMOVED. TYPICAL.



ALTERNATE NO. 3 - INCLUDE THE ELECTRICAL DEMOLITION AS INDICATED ON THIS SHEET WITH THIS ALTERNATE.

DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

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DRAWING TITLE
ELECTRICAL
DEMOLITION
PLAN