

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES BUREAU OF ENGINEERING AND ARCHITECTURE

HARRISBURG, PENNSYLVANIA

TOM CORBETT, GOVERNOR

SHERI L. PHILLIPS, SECRETARY

PROJECT NO. D.G.S. A 999-999

SAMPLE PROJECT NAME D-SIZE (36 x 24) SHEET

SAMPLE PROJECT LOCATION

SAMPLE CITY, SAMPLE COUNTY, PENNSYLVANIA

PROFESSIONAL / ARCHITECT
RIVERSIDE ARCHITECTURAL PARTNERSHIP
1234 MAIN STREET
ERIE PA
PHONE (888) 888.8888

STRUCTURAL ENGINEERING CONSULTANT
GREENSTICK ENGINEERS
7580 NORTH SECOND AVENUE
PITTSBURGH, PA

MECHANICAL ENGINEERING CONSULTANT
BUTTONTOWN ENGINEERS
7654 EAST 42 STREET
JOHNSTON, PA

ELECTRICAL ENGINEERING CONSULTANT
1542 OHIO LANE
ERIE PA

SHEET INDEX

CS-1 Cover Sheet

General Construction
Contract No. DGS A 999-99.1
ARCHITECTURAL SHEETS

A-1 Sample Project Plan
A-2 Sample Project Plans & Elevations
A-3 Sample Project Details

H.V.A.C. Construction
Contract No. DGS A 999-99.2
HVAC SHEETS

H-1 Floor Plans & Details

Plumbing Construction
Contract No. DGS A 999-99.3
PLUMBING SHEETS

P-1 Floor Plans & Details
P-2 Schedules Sections & Details

Electrical Construction
Contract No. DGS A 502-87.4
ELECTRICAL SHEETS

E-1 Electrical Plans & Details
E-2 Electrical Schedules & Details

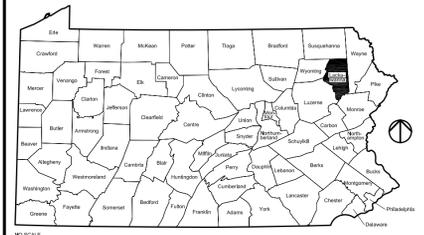
Facility Name- Building Name / Number
999 Street Address Dr
Municipality-Twp, County Name County,
Pennsylvania 10000-9999

CODE APPROVALS

L&I PERMIT No.

DOH PERMIT No.

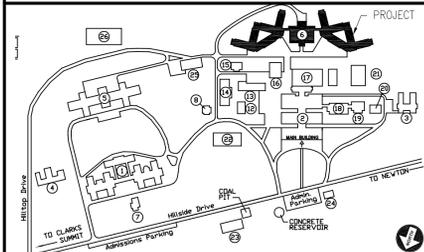
PROJECT LOCATION MAP



VICINITY MAP



BUILDING AREA / KEY PLAN



DRAWINGS LISTED IN INDEX:

APPROVED: _____ DATE _____
GARY R. TAYLOR, P.E., DIRECTOR
BUREAU OF ENGINEERING AND ARCHITECTURE
DEPARTMENT OF GENERAL SERVICES



PROFESSIONAL'S SIGNATURE

JOHN E. SMITH & ASSOCIATES
ARCHITECTS & ENGINEERS
208 MAIN STREET, SUITE 4
HARRISBURG, PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

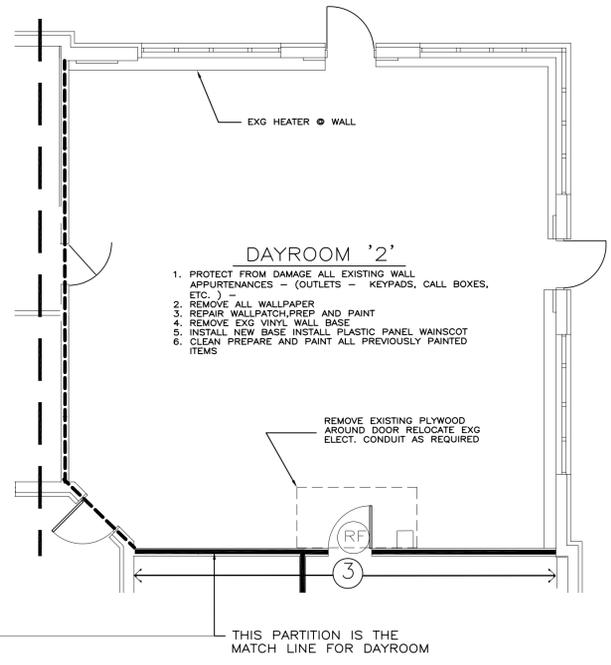
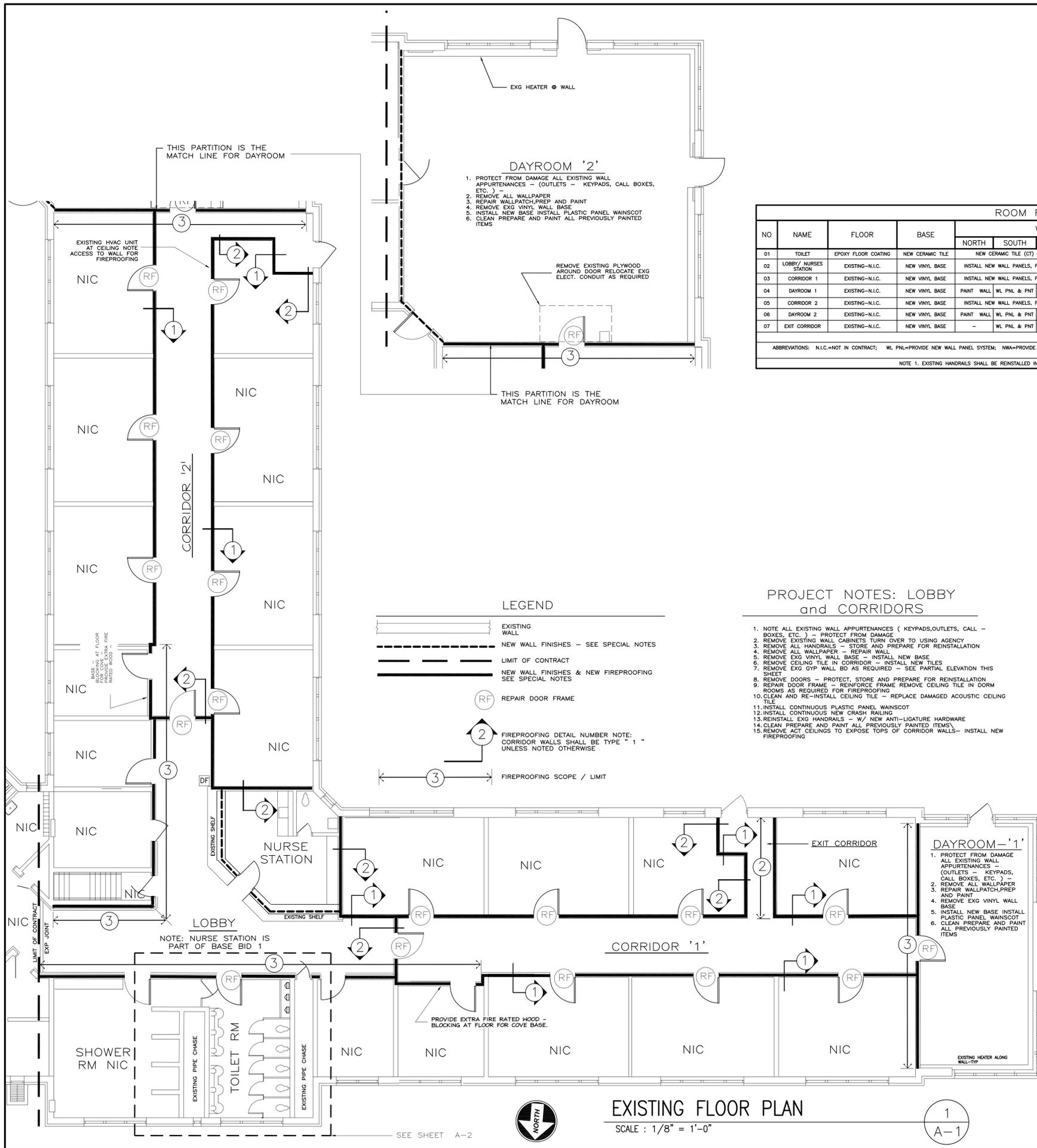
D.G.S. PROJECT No.
A 9999-9999 PH.99 PT.99

SAMPLE SBI DESIGN PROJECT
TITLE BLOCK

DEPARTMENT of <agency name>
<city/township>, <county> COUNTY, PA

COVER SHEET

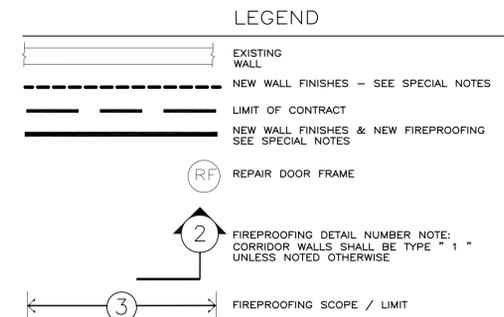
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CHECKED BY F LASTNAME	SCALE AS NOTED	



NO	NAME	FLOOR	BASE	WALLS				CEILING	FP DETAIL		REMARKS	
				NORTH	SOUTH	EAST	WEST		DTL	SHT NO.		
01	TOILET		EPOXY FLOOR COATING	NEW CERAMIC TILE	NEW CERAMIC TILE (CT) ON BACKER BD ON EXISTING CT				NEW SUSPEND GWB	-	-	FINISH AND PAINT CEILING
02	LOBBY/NURSES STATION		EXISTING-N.I.C.	NEW VINYL BASE	INSTALL NEW WALL PANELS, FINISH AND PAINT GYP WALLBD (GWB)				NEW ACT -ONLY	2 / 3	A2	EXISTING CEILING GRID TO REMAIN-PROVIDE NWA
03	CORRIDOR 1		EXISTING-N.I.C.	NEW VINYL BASE	INSTALL NEW WALL PANELS, FINISH AND PAINT GYP WALLBD (GWB)				NEW ACT -ONLY	1 / 3	A2	EXISTING CEILING GRID TO REMAIN-PROVIDE NWA
04	DAYROOM 1		EXISTING-N.I.C.	NEW VINYL BASE	PAINT WALL	WL PNL & PNT	PAINT WALL	WL PNL & PNT	EXISTING-N.I.C.	3	A2	CLEAN, PREP & PAINT WALL HEATERS-PROVIDE NWA
05	CORRIDOR 2		EXISTING-N.I.C.	NEW VINYL BASE	INSTALL NEW WALL PANELS, FINISH AND PAINT GYP WALLBD (GWB)				NEW ACT -ONLY	1 / 3	A2	EXISTING CEILING GRID TO REMAIN-PROVIDE NWA
06	DAYROOM 2		EXISTING-N.I.C.	NEW VINYL BASE	PAINT WALL	WL PNL & PNT	PAINT WALL	WL PNL & PNT	EXISTING-N.I.C.	3	A2	CLEAN, PREP & PAINT WALL HEATERS-PROVIDE NWA
07	EXIT CORRIDOR		EXISTING-N.I.C.	NEW VINYL BASE	-	WL PNL & PNT	PAINT WALL	WL PNL & PNT	NEW ACT -ONLY	2	A2	EXISTING CEILING GRID TO REMAIN-PROVIDE NWA

ABBREVIATIONS: N.I.C.=NOT IN CONTRACT; WL PNL=PROVIDE NEW WALL PANEL SYSTEM; NWA=PROVIDE NEW WALL ACCESSORIES AS NOTED ON DWGS; e.g. CRASH RAIL, HANDRAILS, & CORNER GUARDS; FP=FIREFPROOFING; DTL=DETAIL; SHT NO.=SHEET NO.

NOTE 1. EXISTING HANDRAILS SHALL BE REINSTALLED IN CORRIDORS NOTE 2. ALL NEW ACCESSORIES SHALL BE NON-LIGATURE TYPE

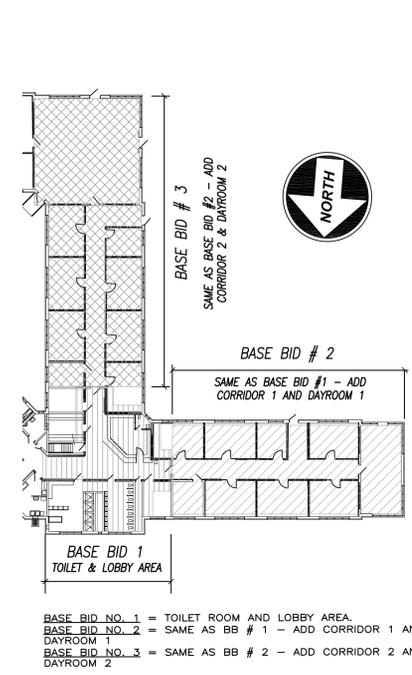


- PROJECT NOTES: LOBBY and CORRIDORS**
- NOTE ALL EXISTING WALL APPURTENANCES (KEYPADS, OUTLETS, CALL BOXES, ETC.) - PROTECT FROM DAMAGE
 - REMOVE EXISTING WALL CABINETS TURN OVER TO USING AGENCY
 - REMOVE ALL HANDRAILS - STORE AND PREPARE FOR REINSTALLATION
 - REMOVE ALL WALLPAPER - REPAIR WALL
 - REMOVE EXG VINYL WALL BASE - INSTALL NEW BASE
 - REMOVE CEILING TILE IN CORRIDOR - INSTALL NEW TILES
 - REMOVE EXG GYP WALL BD AS REQUIRED - SEE PARTIAL ELEVATION THIS SHEET
 - REMOVE DOORS - PROTECT, STORE AND PREPARE FOR REINSTALLATION
 - REPAIR DOOR FRAME - REINFORCE FRAME REMOVE CEILING TILE IN DORM ROOMS AS REQUIRED FOR FIREPROOFING
 - CLEAN AND RE-INSTALL CEILING TILE - REPLACE DAMAGED ACOUSTIC CEILING TILE
 - INSTALL CONTINUOUS PLASTIC PANEL WAINSCOT
 - INSTALL CONTINUOUS NEW CRASH RAILING
 - REINSTALL EXG HANDRAILS - W/ NEW ANTI-LIGATURE HARDWARE
 - CLEAN PREPARE AND PAINT ALL PREVIOUSLY PAINTED ITEMS
 - REMOVE ACT CEILINGS TO EXPOSE TOPS OF CORRIDOR WALLS- INSTALL NEW FIREPROOFING

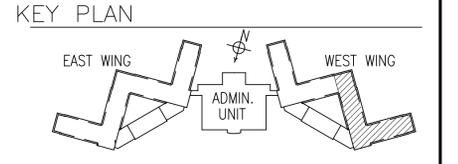
- DAYROOM '1'**
- PROTECT FROM DAMAGE ALL EXISTING WALL APPURTENANCES - (OUTLETS - KEYPADS, CALL BOXES, ETC.) -
 - REMOVE ALL WALLPAPER
 - REPAIR WALLPATCH, PREP AND PAINT
 - REMOVE EXG VINYL WALL BASE
 - INSTALL NEW BASE INSTALL PLASTIC PANEL WAINSCOT
 - CLEAN PREPARE AND PAINT ALL PREVIOUSLY PAINTED ITEMS

- GENERAL NOTES:**
- THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE USING AGENCY'S OPERATIONAL REQUIREMENTS AND THE PROJECT PROGRESS SCHEDULE. INTERRUPTION OF OPERATIONS SHALL BE MINIMIZED AND SHALL RECEIVE THE PRIOR APPROVAL OF THE USING AGENCY AND THE DEPARTMENT.
 - MATERIAL AND EQUIPMENT RESULTING FROM DEMOLITION AND DESIGNATED FOR SALVAGE SHALL REMAIN USING AGENCY PROPERTY AND BE DELIVERED BY THE CONTRACTOR TO STORAGE ON THE PROJECT SITE AS DIRECTED. ALL OTHER MATERIAL AND EQUIPMENT RESULTING FROM DEMOLITION SHALL BECOME THE CONTRACTOR'S PROPERTY, SHALL NOT BE USED IN THE WORK AND SHALL BE PROPERLY DISPOSED OF OFF SITE.
 - ALL EXISTING CONSTRUCTION, EQUIPMENT, FINISHES, ETC. TO REMAIN THAT ARE DAMAGED, DISTURBED OR REMOVED IN THE COURSE OF THE WORK SHALL BE REPAIRED OR RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL EXPENSE TO THE COMMONWEALTH.
 - RELOCATE ALL EXISTING EQUIPMENT, FIXTURES, PIPING, CONDUIT AND OTHER CONSTRUCTION TO REMAIN INTERFERING WITH INSTALLATION OF NEW WORK.
 - LEAD PAINT: WORK SHALL BE CONDUCTED UNDER THE ASSUMPTION THAT ALL SURFACE COATINGS CONTAIN LEAD. ALL DISTURBANCE ACTIVITIES SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS INCLUDING OSHA 29 CFR 1926.62. WORK ACTIVITIES SHALL ENSURE AREAS BEYOND THE WORK AREA(S) ARE NOT CONTAMINATED. REFER TO THE GENERAL REQUIREMENTS, DIVISION 1 SECTION "COORDINATION AND CONTROL" AND THE TABLE OF CONTENTS FOR ANY ADDITIONAL REQUIREMENTS.

- LEAD BASED PAINT NOTES:**
- GENERAL NOTES: DISTURBANCE OF LEAD CONTAINING SURFACE COATINGS:
- WORK PERFORMED UNDER THIS CONTRACT AS DESCRIBED IN THE SPECIFICATIONS AND DRAWINGS MAY CAUSE THE DISTURBANCE OF LEAD CONTAINING SURFACE COATINGS. THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATES WORKER EXPOSURE AND HAS ASSIGNED A LEAD PERMISSIBLE EXPOSURE LIMIT (PEL) OF 50 MICROGRAM PER CUBIC METER AND AN ACTION LEVEL OF 30 MICROGRAMS PER CUBIC METER AS AN 8 HOUR TIME WEIGHTED AVERAGE.
 - CONTRACTORS MUST ASSUME ALL RISKS IN WORKER EXPOSURE TO LEAD IN SURFACE COATINGS AND MAY RELY ON PREVIOUS AIR SAMPLING INFORMATION OBTAINED FROM SIMILAR WORK USING SAME WORK PRACTICES. CONTRACTORS SHALL MAKE THEIR OWN EXPOSURE ASSESSMENT OF LEAD IN SURFACE COATINGS AND CORRESPONDING WORK PRACTICE FOR DISTURBANCE OF LEAD COATINGS.
 - CONTRACTORS SHALL ENSURE WORK AREAS AND AREAS BEYOND WORK AREA ARE NOT CONTAMINATED AS A RESULT OF WORK BEING PERFORMED.
 - CONTRACTORS ARE SOLELY RESPONSIBLE FOR THE HEALTH AND SAFETY OF ITS WORKERS DURING THE EXECUTION OF THIS CONTRACT. WORK SHALL BE CONDUCTED UNDER THE ASSUMPTION THAT ALL SURFACE COATINGS CONTAIN LEAD AND, IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS, INCLUDING, BUT NOT LIMITED TO, 29 CFR 1926.62 LEAD EXPOSURE IN CONSTRUCTION, 1926.103 AND 1910.134 RESPIRATORY PROTECTION, AND U.S. EPA AND PA DEP REGULATIONS APPLICABLE TO THIS WORK EFFORT. THESE REGULATIONS SHALL BE BINDING UPON CONTRACTOR AND CONSIDERED PART OF THE CONTRACT. THE METHODS USED TO HANDLE THESE MATERIALS AND PRECAUTIONS TAKEN SHALL BE DETERMINED BY CONTRACTOR AND RESPONSIBILITY FOR USE OF SUCH METHODS SHALL BE SOLELY WITH THE CONTRACTOR. THE CONTRACTOR, HOWEVER, IS REQUIRED TO USE ACCEPTED "STATE-OF-THE-ART" METHODS.



BASE BID KEY PLAN
NO SCALE



AS-BUILT REVISIONS	

PROFESSIONAL'S SIGNATURE _____ DATE _____ CONSULTANT'S SIGNATURE _____ DATE _____

JOHN E. SMITH & ASSOCIATES
ARCHITECTS & ENGINEERS
208 MAIN STREET, SUITE 4
HARRISBURG, PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No. **A 9999-9999 PH.99 PT.99**

VERIFY SCALE

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:

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IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

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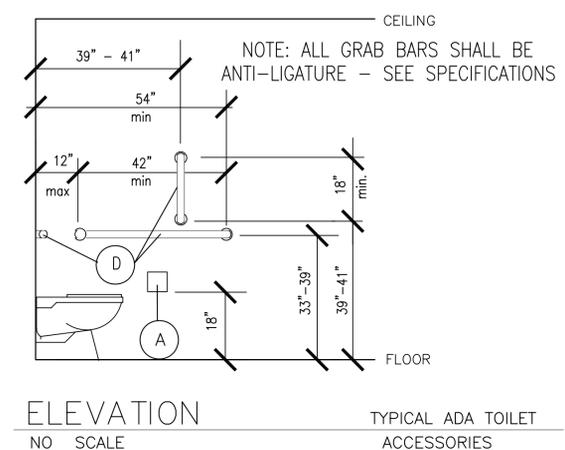
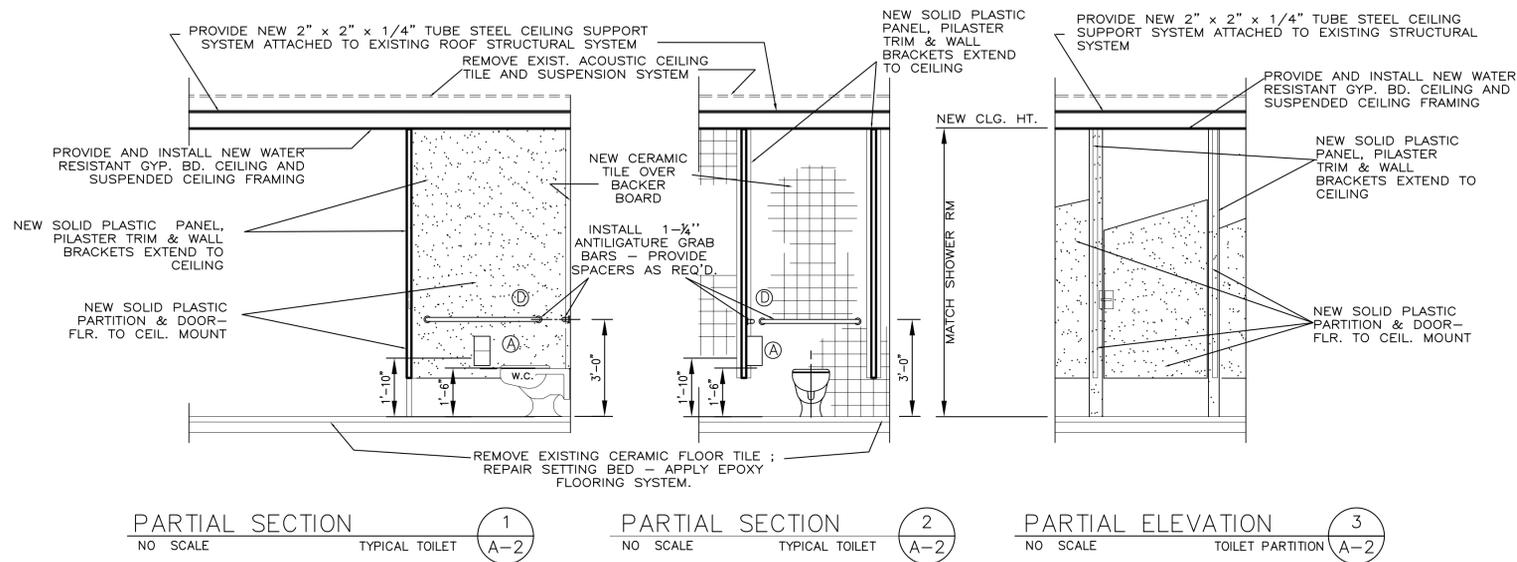
DEPARTMENT of <agency name>
<city/township>, <county> COUNTY, PA

SAMPLE PROJECT PLAN

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CHECKED BY F LASTNAME	SCALE AS NOTED	

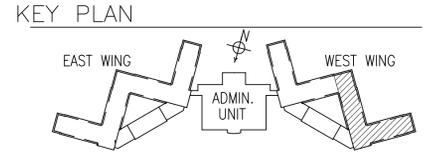
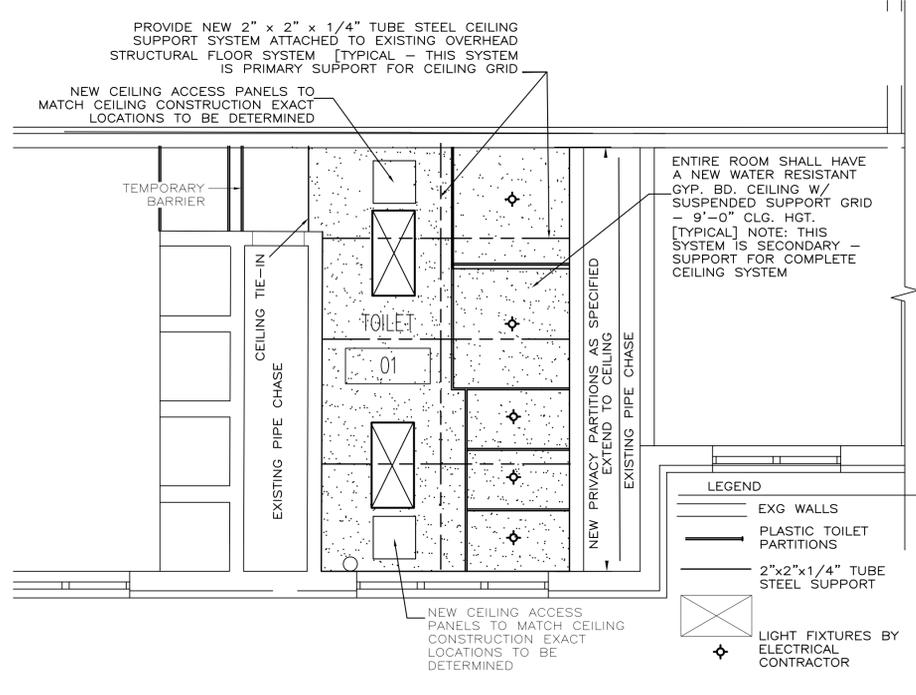
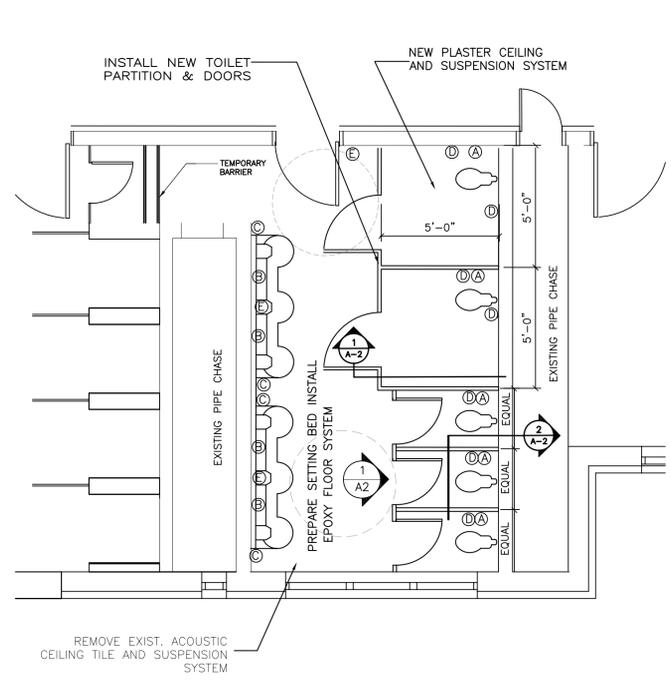
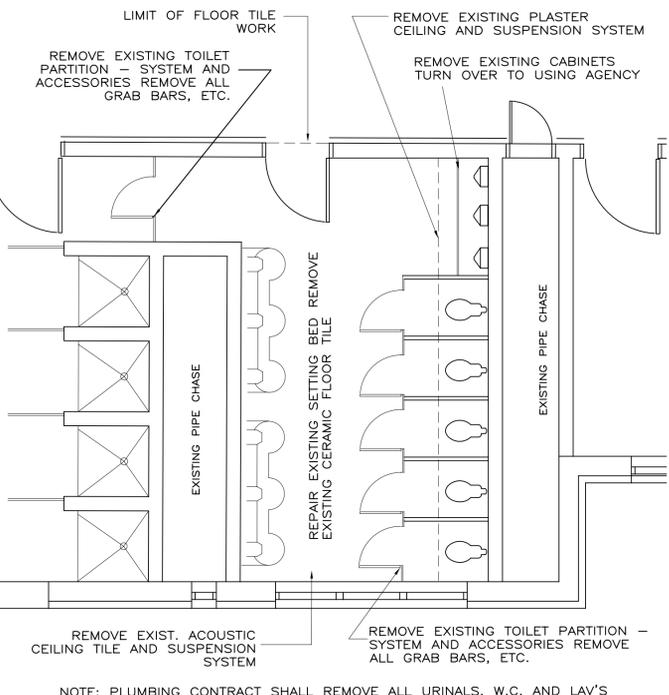
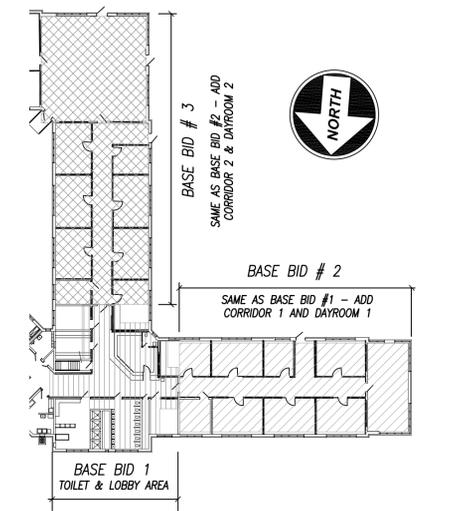
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LAST SAVED: 2013.05.15 03:01 PM PLOTTED: 2013.05.15 03:03 PM PLOTTED BY: Miller, Richard E (DCS)



TOILET ACCESSORIES LEGEND

- (A) TOILET PAPER DISPENSER
- (B) ADA MIRROR
- (C) SOAP DISPENSER
- (D) ADA GRAB BARS W/ VERTICAL BAR
- (E) PAPER TOWEL DISPENSER



AS-BUILT REVISIONS

USING AGENCY

PROFESSIONAL'S SIGNATURE DATE CONSULTANT'S SIGNATURE DATE

JOHN E. SMITH & ASSOCIATES
ARCHITECTS & ENGINEERS
208 MAIN STREET, SUITE 4
HARRISBURG, PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No.
A 9999-9999 PH.99 PT.99

SAMPLE SBI DESIGN PROJECT
TITLE BLOCK

DEPARTMENT OF <agency name>
<city/township>, <county> COUNTY, PA

SAMPLE PROJECT PLANS & ELEVATIONS

VERIFY SCALE

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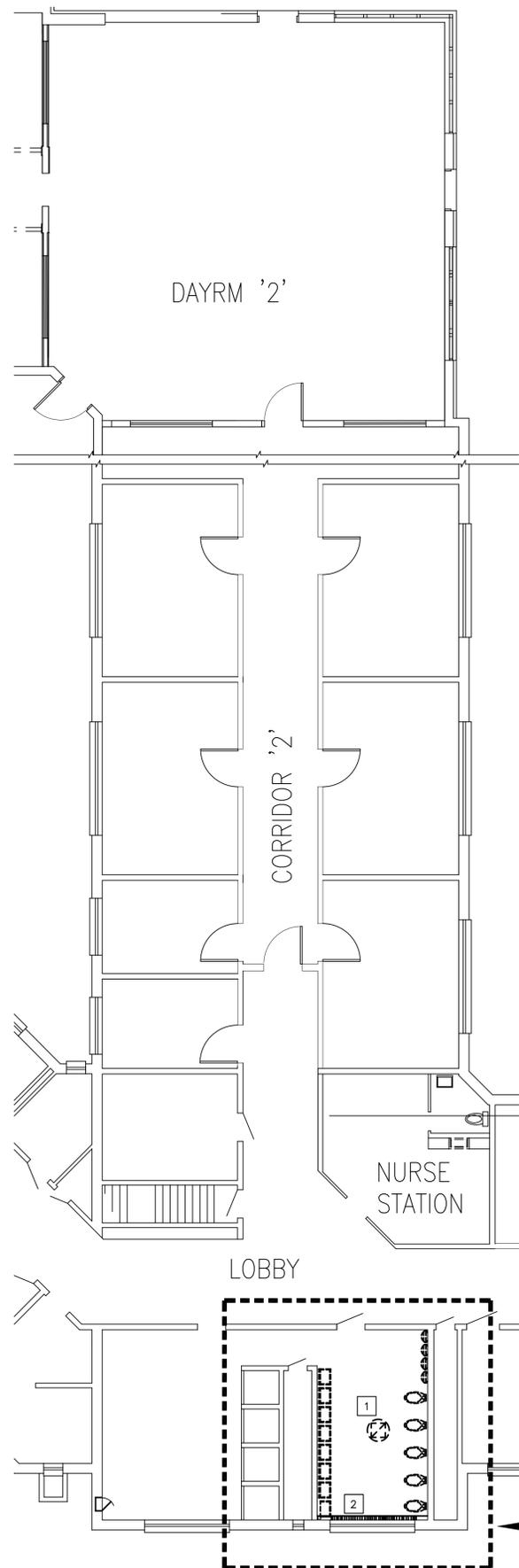
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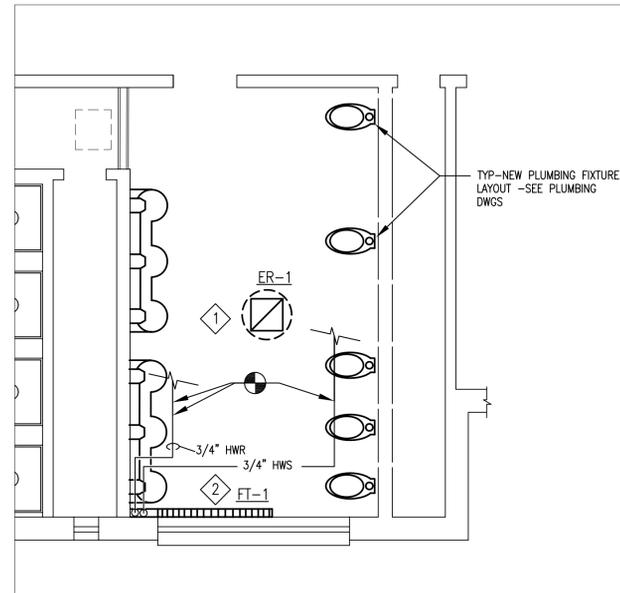
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LAST SAVED: 2013.05.15 03:04 PM PLOTTED BY: Miller, Richard E (DCS)



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

WEST WING
1
H-1



TOILET/SHOWER ROOM PLAN WEST WING
SCALE: 1/4" = 1'-0"
2
H-1

NEW CONSTRUCTION NOTES:

- 1 PROVIDE NEW EXHAUST FAN, EXHAUST AIR DUCT AND EXHAUST AIR REGISTER. COORDINATE INSTALLATION WITH GC (.1) AND EC (.4).
- 2 PROVIDE NEW FIN-TUBE RADIATION FROM WALL TO NEW TOILET PARTITION, +/- 6"-8" WITH END CAP. RUN PIPING UP WALL THROUGH CEILING TO EXISTING BALL VALVES. INSULATE PIPING PER SPECIFICATIONS.

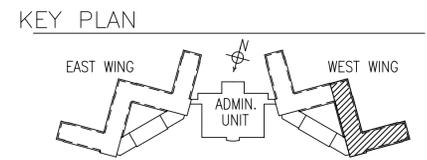
DEMOLITION NOTES:

- 1 REMOVE EXIST'G. EXHAUST AIR REGISTER, EXHAUST DUCT, EXHAUST FAN ON ROOF ABOVE AND ALL ASSOCIATED CONTROLS, HANGERS, SUPPORTS AND RELATED ACCESSORIES.
- 2 REMOVE EXISTING FIN-TUBE RADIATION AND PIPING AS SHOWN ON PLANS. PATCH WALLS SMOOTH TO MATCH EXISTING. CAP PING WITH BALL VALVE FOR FUTURE CONNECTIONS.

EQUIPMENT SCHEDULE			
EF-1	EXHAUST FAN:	GENERAL:	CENTRIFUGAL, DIRECT DRIVE, ROOF MOUNTED
		CFM:	900 CFM @ 0.25" W.G.
		HP-1/6 HP, 1050 RPM	
		SOUND:	9.2 SONES
		TIP SPEED:	4755 FPM
		ELECTRICAL:	120V-1 PH., 4.4 FLA
		BLDG. OPEN'G.:	MIN. 11-1/2" X 11-1/2"
		ACCESSORIES:	FLAT ROOF CURB, BACKDRAFT DAMPER, VAR. SPEED CONTROL
	NOTES:	1.	ASSEMBLE, INSULATE AND INSTALL ROOF CURB.
		2.	PROVIDE FLASHING, ROOFING AND WATERPROOFING MATERIALS.
ER-	EXHAUST AIR REGISTER:	GENERAL:	SURFACE MTD. GWB CLG., 1/2" GRID CORE OPPOSED BLADE DAMPER, EXTRUDED ALUMINUM WHITE BAKED ENAMEL FINISH
		FACE VEL. (F.P.M.)	408
		ST. PR. (N. W.G.)	0.05
ER-1	SIZE	CFM	18" X 18" 900
FT-1	FIN-TUBE RADIATION:	GENERAL:	3/4" PIPE SIZE, 50 FINS/FT., 1 TIER, 1300 BTUH/FT @ 190° AVE. WATER TEMP., 12 GAUGE ENCLOSURE, 16"H X 5"W. MOUNT 4" ABOVE FLOOR

LEGEND (NOT ALL ITEMS MAY APPLY)

NAME (E) - - - - -	EXIST'G. EQUIP., DUCT, ETC.		BALL VALVE
NAME (ETR) - - - - -	EXIST'G. TO REMAIN		GATE VALVE
NAME (R) - - - - -	EXIST'G. TO BE REMOVED		GLOBE VALVE
	ER-1 EXHAUST AIR REGISTER		STRAINER
	TG-1 TRANSFER AIR GRILLE		UNION CONNECTION
	FIRE DAMPER		ELBOW UP, DOWN
	FLEXIBLE CONNECTOR		ABOVE FINISHED FLOOR
	T THERMOSTAT		CEILING CONTR.
	CONNECT NEW TO EXIST'G.		EXHAUST AIR
	HWR HOT WATER RETURN		ELECTRICAL CONTRACTOR
	HWS HOT WATER SUPPLY		FIRE DAMPER, FLOOR DRAIN
			GENERAL CONTRACTOR
			HEATING, VENTILATING & AIR CONDITIONING CONTRACTOR
			PLUMBING CONTRACTOR
			SLEVE
			STATIC PRESSURE
			SUSPENDED ACOUSTIC TILE
			THERMOSTATIC MIXING VALVE
			TYPICAL



AS-BUILT REVISIONS

PROFESSIONAL'S SIGNATURE DATE CONSULTANT'S SIGNATURE DATE

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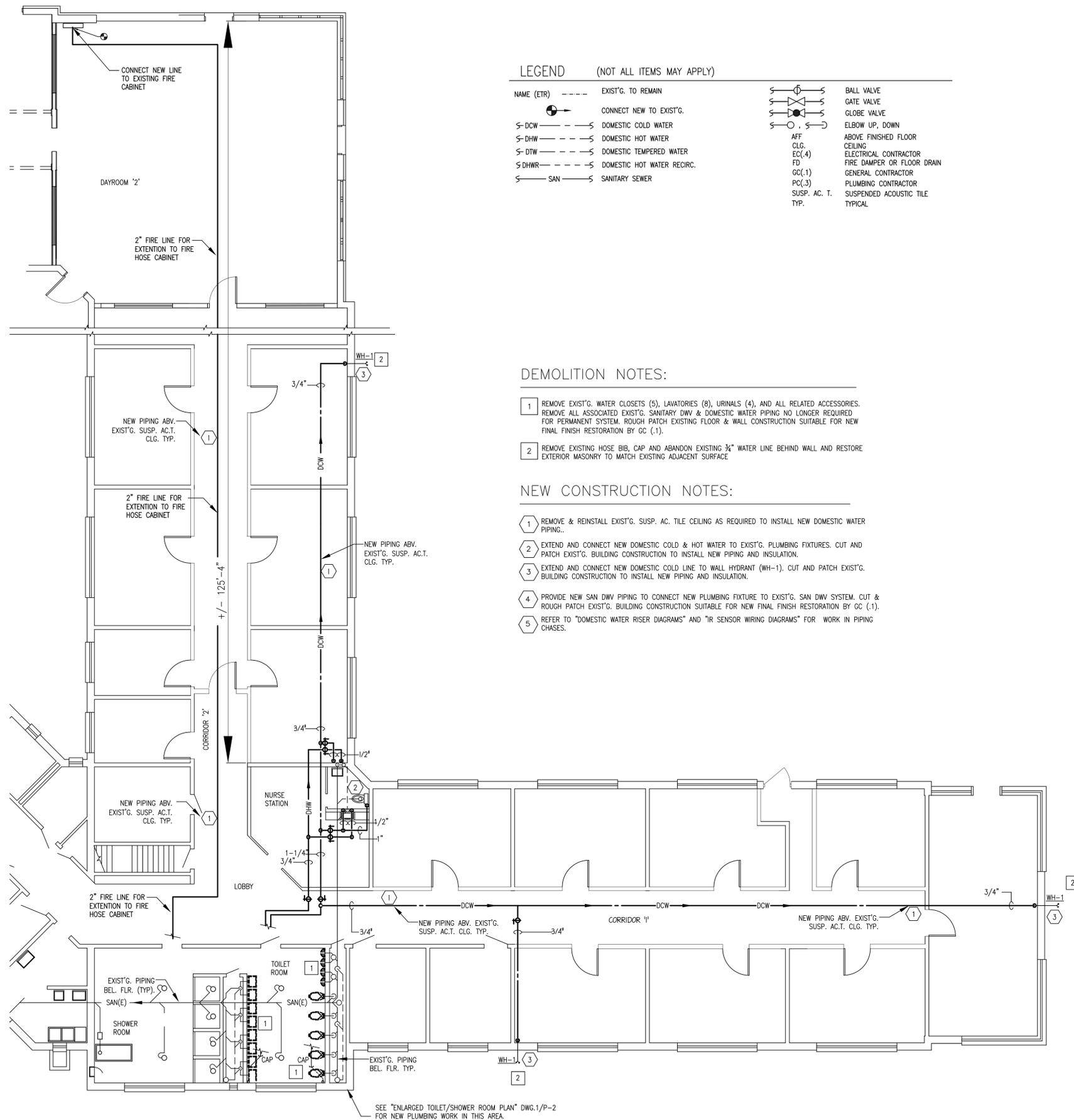
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DEPARTMENT of <agency name>
<city/township>, <county> COUNTY, PA

H.V.A.C. LAYOUT & SCHEDULES

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0	1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY	
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY F LASTNAME
	DATE MMM YYYY
	CHECKED BY F LASTNAME
	SCALE AS NOTED

DRAWING No.	H-1
of 1	

- NOTES:
- THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE USING AGENCY'S OPERATION REQUIREMENTS AND THE PROJECT PROGRESS SCHEDULE. INTERRUPTION OF OPERATIONS SHALL BE MINIMIZED AND SHALL RECEIVE THE PRIOR APPROVAL OF THE USING AGENCY AND THE DEPARTMENT.
 - MATERIAL AND EQUIPMENT RESULTING FROM DEMOLITION AND DESIGNATED FOR SALVAGE SHALL REMAIN USING AGENCY PROPERTY AND BE DELIVERED BY THE CONTRACTOR TO STORAGE ON THE PROJECT SITE AS DIRECTED. ALL OTHER MATERIAL AND EQUIPMENT RESULTING FROM DEMOLITION SHALL BECOME THE CONTRACTOR'S PROPERTY, SHALL NOT BE USED IN THE WORK AND SHALL BE PROPERLY DISPOSED OF OFF SITE.
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- LEAD BASED PAINT NOTES:
- GENERAL NOTES: DISTURBANCE OF LEAD CONTAINING SURFACE COATINGS:
- WORK PERFORMED UNDER THIS CONTRACT AS DESCRIBED IN THE SPECIFICATIONS AND DRAWINGS MAY CAUSE THE DISTURBANCE OF LEAD CONTAINING SURFACE COATINGS. THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATES WORKER EXPOSURE AND HAS ASSIGNED A LEAD PERMISSIBLE EXPOSURE LIMIT (PEL) OF 50 MICROGRAMS PER CUBIC METER AND AN ACTION LEVEL OF 30 MICROGRAMS PER CUBIC METER AS AN 8 HOUR TIME WEIGHTED AVERAGE.
 - CONTRACTORS MUST ASSUME ALL RISKS IN WORKER EXPOSURE TO LEAD IN SURFACE COATINGS AND MAY RELY ON PREVIOUS AIR SAMPLING INFORMATION OBTAINED FROM SIMILAR WORK USING SAME WORK PRACTICES. CONTRACTORS SHALL MAKE THEIR OWN EXPOSURE ASSESSMENT OF LEAD IN SURFACE COATINGS AND CORRESPONDING WORK PRACTICE FOR DISTURBANCE OF LEAD COATINGS.
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GROUND FLOOR PLAN

WEST WING

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

1
P-1

LEGEND (NOT ALL ITEMS MAY APPLY)

NAME (ETR)	---	EXIST'G. TO REMAIN		BALL VALVE
	---	CONNECT NEW TO EXIST'G.		GATE VALVE
	---	DOMESTIC COLD WATER		GLOBE VALVE
	---	DOMESTIC HOT WATER		ELBOW UP, DOWN
	---	DOMESTIC TEMPERED WATER	AFF	ABOVE FINISHED FLOOR
	---	DOMESTIC HOT WATER RECIRC.	CLG.	CEILING
	---	SANITARY SEWER	EC(4)	ELECTRICAL CONTRACTOR
			FD	FIRE DAMPER OR FLOOR DRAIN
			GC(1)	GENERAL CONTRACTOR
			PC(3)	PLUMBING CONTRACTOR
			SUSP. AC. T.	SUSPENDED ACOUSTIC TILE
			TYP.	TYPICAL

DEMOLITION NOTES:

- 1 REMOVE EXIST'G. WATER CLOSETS (5), LAVATORIES (8), URINALS (4), AND ALL RELATED ACCESSORIES. REMOVE ALL ASSOCIATED EXIST'G. SANITARY DWV & DOMESTIC WATER PIPING NO LONGER REQUIRED FOR PERMANENT SYSTEM. ROUGH PATCH EXISTING FLOOR & WALL CONSTRUCTION SUITABLE FOR NEW FINAL FINISH RESTORATION BY GC (1).
- 2 REMOVE EXISTING HOSE BIB, CAP AND ABANDON EXISTING 3/4" WATER LINE BEHIND WALL AND RESTORE EXTERIOR MASONRY TO MATCH EXISTING ADJACENT SURFACE

NEW CONSTRUCTION NOTES:

- 1 REMOVE & REINSTALL EXIST'G. SUSP. AC. TILE CEILING AS REQUIRED TO INSTALL NEW DOMESTIC WATER PIPING.
- 2 EXTEND AND CONNECT NEW DOMESTIC COLD & HOT WATER TO EXIST'G. PLUMBING FIXTURES. CUT AND PATCH EXIST'G. BUILDING CONSTRUCTION TO INSTALL NEW PIPING AND INSULATION.
- 3 EXTEND AND CONNECT NEW DOMESTIC COLD LINE TO WALL HYDRANT (WH-1). CUT AND PATCH EXIST'G. BUILDING CONSTRUCTION TO INSTALL NEW PIPING AND INSULATION.
- 4 PROVIDE NEW SAN DWV PIPING TO CONNECT NEW PLUMBING FIXTURE TO EXIST'G. SAN DWV SYSTEM. CUT & ROUGH PATCH EXIST'G. BUILDING CONSTRUCTION SUITABLE FOR NEW FINAL FINISH RESTORATION BY GC (1).
- 5 REFER TO "DOMESTIC WATER RISER DIAGRAMS" AND "IR SENSOR WIRING DIAGRAMS" FOR WORK IN PIPING CHASES.

GENERAL NOTES:

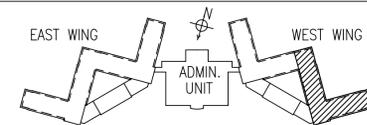
1. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE USING AGENCY'S OPERATION REQUIREMENTS AND THE PROJECT PROGRESS SCHEDULE. INTERRUPTION OF OPERATIONS SHALL BE MINIMIZED AND SHALL RECEIVE THE PRIOR APPROVAL OF THE USING AGENCY AND THE DEPARTMENT.
2. MATERIAL AND EQUIPMENT RESULTING FROM DEMOLITION AND DESIGNATED FOR SALVAGE SHALL REMAIN USING AGENCY PROPERTY AND BE DELIVERED BY THE CONTRACTOR TO STORAGE ON THE PROJECT SITE AS DIRECTED. ALL OTHER MATERIAL AND EQUIPMENT RESULTING FROM DEMOLITION SHALL BECOME THE CONTRACTOR'S PROPERTY, SHALL NOT BE USED IN THE WORK AND SHALL BE PROPERLY DISPOSED OF OFF SITE.
3. ALL EXISTING CONSTRUCTION, EQUIPMENT, FINISHES, ETC. TO REMAIN THAT ARE DAMAGED, DISTURBED OR REMOVED IN THE COURSE OF THE WORK SHALL BE REPAIRED OR RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL EXPENSE TO THE COMMONWEALTH.
4. RELOCATE ALL EXISTING EQUIPMENT, FIXTURES, PIPING, CONDUIT AND OTHER CONSTRUCTION TO REMAIN INTERFERING WITH INSTALLATION OF NEW WORK.

LEAD BASED PAINT NOTES:

GENERAL NOTES: DISTURBANCE OF LEAD CONTAINING SURFACE COATINGS:

1. WORK PERFORMED UNDER THIS CONTRACT AS DESCRIBED IN THE SPECIFICATIONS AND DRAWINGS MAY CAUSE THE DISTURBANCE OF LEAD CONTAINING SURFACE COATINGS. THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATES WORKER EXPOSURE AND HAS ASSIGNED A LEAD PERMISSIBLE EXPOSURE LIMIT (PEL) OF 50 MICROGRAMS PER CUBIC METER AND AN ACTION LEVEL OF 30 MICROGRAMS PER CUBIC METER AS AN 8 HOUR TIME WEIGHTED AVERAGE.
2. CONTRACTORS MUST ASSUME ALL RISKS IN WORKER EXPOSURE TO LEAD IN SURFACE COATINGS AND MAY RELY ON PREVIOUS AIR SAMPLING INFORMATION OBTAINED FROM SIMILAR WORK USING SAME WORK PRACTICES. CONTRACTORS SHALL MAKE THEIR OWN EXPOSURE ASSESSMENT OF LEAD IN SURFACE COATINGS AND CORRESPONDING WORK PRACTICE FOR DISTURBANCE OF LEAD COATINGS.
3. CONTRACTORS SHALL ENSURE WORK AREAS AND AREAS BEYOND WORK AREA ARE NOT CONTAMINATED AS A RESULT OF WORK BEING PERFORMED.
4. CONTRACTORS ARE SOLELY RESPONSIBLE FOR THE HEALTH AND SAFETY OF ITS WORKERS DURING THE EXECUTION OF THIS CONTRACT. WORK SHALL BE CONDUCTED UNDER THE ASSUMPTION THAT ALL SURFACE COATINGS CONTAIN LEAD AND, IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS, INCLUDING, BUT NOT LIMITED TO, 29 CFR 1926.62 LEAD EXPOSURE IN CONSTRUCTION, 1926.103 AND 1910.134 RESPIRATORY PROTECTION, AND U.S. EPA AND PA DEP REGULATIONS APPLICABLE TO THIS WORK EFFORT. THESE REGULATIONS SHALL BE BINDING UPON CONTRACTOR AND CONSIDERED PART OF THE CONTRACT. THE METHODS USED TO HANDLE THESE MATERIALS AND PRECAUTIONS TAKEN SHALL BE DETERMINED BY CONTRACTOR AND RESPONSIBILITY FOR USE OF SUCH METHODS SHALL BE SOLELY WITH THE CONTRACTOR. THE CONTRACTOR, HOWEVER, IS REQUIRED TO USE ACCEPTED "STATE-OF-THE-ART" METHODS.

KEY PLAN



AS-BUILT REVISIONS			

PROFESSIONAL'S SIGNATURE	DATE	CONSULTANT'S SIGNATURE	DATE
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JOHN E. SMITH & ASSOCIATES
ARCHITECTS & ENGINEERS
208 MAIN STREET, SUITE 4
HARRISBURG, PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

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A 9999-9999 PH.99 PT.99

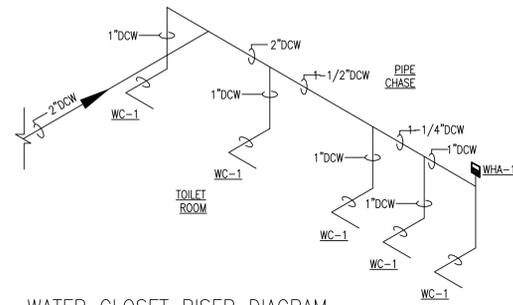
VERIFY SCALE
BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING.
0 1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY

SAMPLE SBI DESIGN PROJECT TITLE BLOCK
DEPARTMENT of <agency name>
<city/township>, <county> COUNTY, PA

FLOOR PLANS & DETAILS

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY F LASTNAME	DATE MMM YYYY	DRAWING No. P-1
	CHECKED BY F LASTNAME	SCALE AS NOTED	of 2

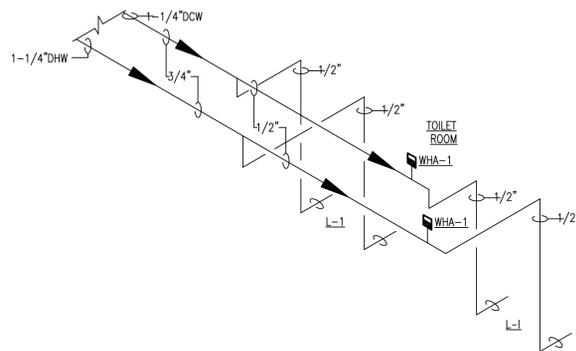
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LAST SAVED: 2013.05.15 08:32 AM PLOTTED: 2013.05.15 02:53 PM PLOTTED BY: Miller, Richard E (DCS)



WATER CLOSET RISER DIAGRAM

DOMESTIC WATER RISER DIAGRAMS WEST WING

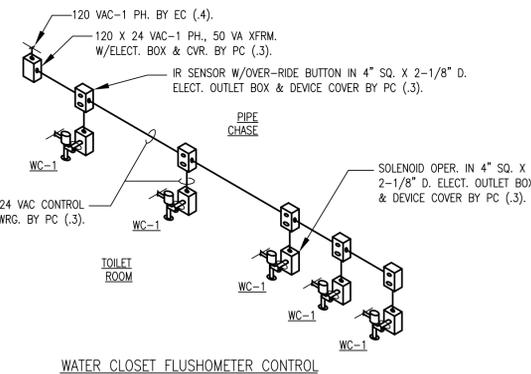
N. T. S.



LAVATORY RISER DIAGRAM

DOMESTIC WATER RISER DIAGRAMS WEST WING

N. T. S.



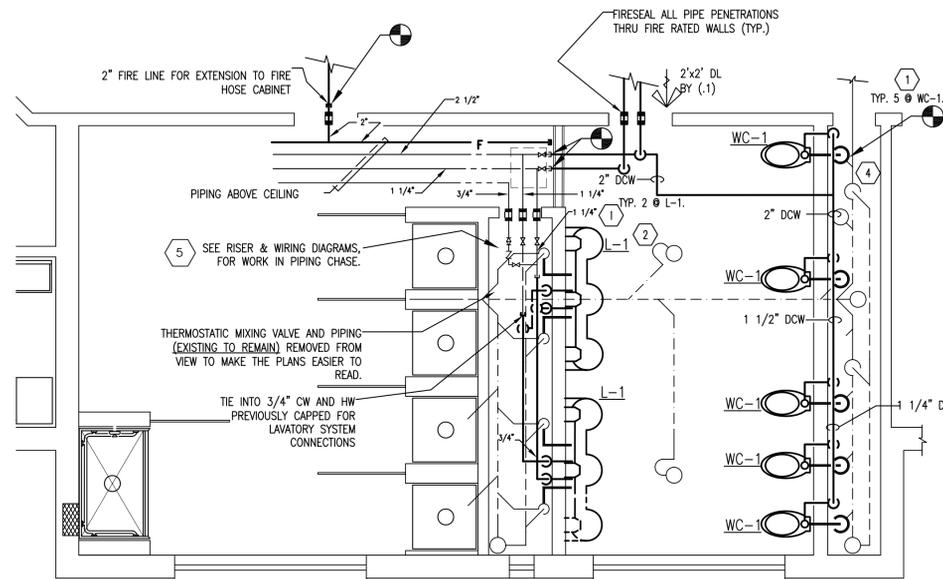
WATER CLOSET FLUSHOMETER CONTROL

IR SENSOR WIRING DIAGRAMS WEST WING

N. T. S.

PLUMBING FIXTURE SCHEDULE							
TAG	ITEM	COLD WATER	HOT WATER	TEMPERED WATER	WASTE	VENT	REMARKS
WC-1	WATER CLOSET	1"	-	-	4"	2"	FLOOR MOUNTED, BACK OUTLET, TOP INLET FLUSHOMETER VALVE (1-1/2" G.P.F.) RIM AT 16-1/2" A.F.F. (WHEELCHAIR)
L-1	LAVATORY	1/2"	1/2"	-	2 @ 1 1/2"	1 1/2"	WALL HUNG THREE USER LAV STATION IR SENSOR OPERATED W/STAT. MIX'G. VLV. RIM AT 31" A.F.F. (WHEELCHAIR)

PLUMBING EQUIPMENT SCHEDULE	
TAG	DESCRIPTION
WH-1	WALL HYDRANT: BRONZE NICKEL PLATED, NON-FREEZE HYDRANT W/BACKER PLATE, WALL CLAMP, VACUUM BREAKER, VANDAL RESISTANT CAP, TEE OPERATOR & KEY. 3/4" MALE HOSE OUTLET X 3/4" MPT/1/2" FPT INLET. MANUFACTURER: JAY R. SMITH MFG. CO. FIG. 5609QT OR APP'D. EQUAL.
WHA-1	WATER HAMMER ARRESTOR: STAINLESS STEEL SHELL, BELLWS AND NIPPLE, 3/4" MPT, SIZE A (1-11 F.U.), P.D.I. WH-201



ENLARGED TOILET/SHOWER ROOM PLAN WEST WING

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

1
P-2

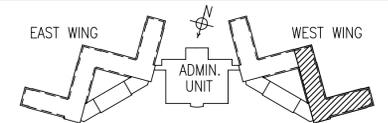
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- REFER TO "DOMESTIC WATER RISER DIAGRAMS" AND "IR SENSOR WIRING DIAGRAMS" FOR WORK IN PIPING CHASES.

LEGEND (NOT ALL ITEMS MAY APPLY)

NAME (ETR)	---	EXIST'G. TO REMAIN		BALL VALVE
		CONNECT NEW TO EXIST'G.		GATE VALVE
S-DCW	---	DOMESTIC COLD WATER		GLOBE VALVE
S-DHW	---	DOMESTIC HOT WATER		ELBOW UP, DOWN
S-DTW	---	DOMESTIC TEMPERED WATER	AFF	ABOVE FINISHED FLOOR
S-DHWR	---	DOMESTIC HOT WATER RECIRC.	CLG	CEILING
S-SAN	---	SANITARY SEWER	EQ(4)	ELECTRICAL CONTRACTOR
			FD	FIRE DAMPER OR FLOOR DRAIN
			GC(1)	GENERAL CONTRACTOR
			PC(3)	PLUMBING CONTRACTOR
			SUSP. AC. T.	SUSPENDED ACOUSTIC TILE
			TYP.	TYPICAL

KEY PLAN



AS-BUILT REVISIONS

PROFESSIONAL'S SIGNATURE DATE CONSULTANT'S SIGNATURE DATE

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ARCHITECTS & ENGINEERS
208 MAIN STREET, SUITE 4
HARRISBURG, PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
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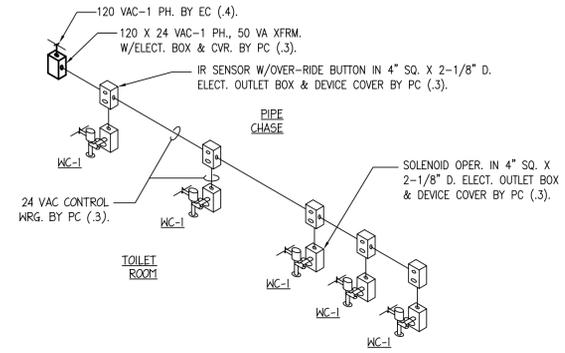
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TITLE BLOCK

DEPARTMENT of <agency name>
<city/township>, <county> COUNTY, PA

SCHEDULES, SECTIONS & DETAILS

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY	DATE	DRAWING No.
	F LASTNAME	MMM YYYY	P-2
	CHECKED BY	SCALE	of 2
	F LASTNAME	AS NOTED	

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LAST SAVED: 2013.05.15 08:32 AM PLOTTED: 2013.05.15 02:55 PM PLOTTED BY: Miller, Richard E (DCS)



WATER CLOSET FLUSHOMETER CONTROL DETAIL
NO SCALE

PANEL NAME:		PANEL LP7 (EXISTING TO REMAIN-UPGRADED LOADS)										NO. OF POLES:		42				
LOCATION:		GROUND FLOOR ELECTRICAL CLOSET										MOUNTING:		SURFACE				
VOLTAGE:		120/208V, 3 PHASE, 4 WIRE WYE										BRACING:		10 KAIC SYM				
AMPACITY:		100 AMP										MAINS:		100 AMP M.C.B.				
LOAD SERVED	CND.	GND	WIRE SIZE	WIRE NO.	AMPS	POLES	POLE NO.	KW PER PHASE ADDED			POLE NO.	POLES	AMPS	WIRE SIZE	GND	CND.	LOAD SERVED	
SHWR&TLT RECEP	3/4	12	12	2	20	1	1	1.0			2	1	20	ETR	ETR	ETR	LTG	
EXH. FAN EF-1&2	3/4	12	12	2	20	1	3	1.0			4	1	20	ETR	ETR	ETR	LTG	
LTG	ETR	ETR	ETR	ETR	20	1	5				6	1	20	ETR	ETR	ETR	LTG	
NITE LTG	ETR	ETR	ETR	ETR	20	1	7	ETR			8	1	20	ETR	ETR	ETR	LTG	
SHWR. & TLT. LTG	3/4	12	12	2	20	1	9	0.9			10	1	20	ETR	ETR	ETR	LTG	
RECEPT.	ETR	ETR	ETR	ETR	20	1	11				12	1	20	ETR	ETR	ETR	NITE LTG	
LTG	ETR	ETR	ETR	ETR	20	1	13	ETR			14	1	20	ETR	ETR	ETR	RECEPT.	
LTG	ETR	ETR	ETR	ETR	20	1	15	ETR			16	1	20	ETR	ETR	ETR	RECEPT.	
RECEPT.	ETR	ETR	ETR	ETR	20	1	17				18	1	20	ETR	ETR	ETR	RECEPT.	
RECEPT.	ETR	ETR	ETR	ETR	20	1	19	ETR			20	1	20	ETR	ETR	ETR	RECEPT.	
LTG	ETR	ETR	ETR	ETR	20	1	21	ETR			22	1	20	ETR	ETR	ETR	RECEPT.	
LTG	ETR	ETR	ETR	ETR	20	1	23	ETR			24	1	20	ETR	ETR	ETR	RECEPT.	
FLD LTG	ETR	ETR	ETR	ETR	20	1	25	ETR			26	1	20	ETR	ETR	ETR	RECEPT.	
RECEPT.	ETR	ETR	ETR	ETR	20	1	27	ETR			28	1	20	ETR	ETR	ETR	RECEPT.	
SPARE	-	-	-	-	40	3	29		0		30	3	40	ETR	ETR	ETR	RANGE	
							31	0			32							
							33	0			34							
SHAVING CAB. REC.	3/4	12	12	2	20	1	35	0.8		0	36	1	20	-	-	-	SPARE	
SPACE	-	-	-	-	-	-	37	0		0	38	1	-	-	-	-	SPACE	
SPACE	-	-	-	-	-	-	39	0		0	40	1	-	-	-	-	SPACE	
SPACE	-	-	-	-	-	-	41	0		0	42	1	-	-	-	-	SPACE	
TOTAL KILOWATTS PER PHASE ADDED							1.0	1.9	0.8	0	0	0						
TOTAL A PHASE KILOWATTS ADDED =							1.0							TOTAL A PHASE AMPS ADDED = 8.3				
TOTAL B PHASE KILOWATTS ADDED =							1.9							TOTAL B PHASE AMPS ADDED = 15.8				
TOTAL C PHASE KILOWATTS ADDED =							0.8							TOTAL C PHASE AMPS ADDED = 6.7				
TOTAL 3 PHASE KILOWATTS ADDED =							3.7							TOTAL 3 PHASE AMPS ADDED = 10.3				

PANEL NAME:		PANEL HTW (EXISTING TO REMAIN-UPGRADED LOADS)										NO. OF POLES:		30				
LOCATION:		BASEMENT										MOUNTING:		SURFACE				
VOLTAGE:		120/208V, 3 PHASE, 4 WIRE WYE										BRACING:		10 KAIC SYM				
AMPACITY:		200 AMP										MAINS:		200 AMP M.C.B.				
LOAD SERVED	CND.	GND	WIRE SIZE	WIRE NO.	AMPS	POLES	POLE NO.	KW PER PHASE ADDED			POLE NO.	POLES	AMPS	WIRE SIZE	GND	CND.	LOAD SERVED	
HOT WTR PUMPS	ETR	ETR	ETR	ETR	20	1	1	ETR			2	1	20	ETR	ETR	ETR	EXH. FAN	
ATC PNL	ETR	ETR	ETR	ETR	20	1	3	ETR			4	1	20	ETR	ETR	ETR	RECEPT.	
CONDENSATE RETURN PUMP 2	ETR	ETR	ETR	ETR	20	3	5	ETR			6	3	20	ETR	ETR	ETR	HEAT CIRC. PUMP 1	
							7	ETR			8	3	20	ETR	ETR	ETR		
							9	ETR			10	3	20	ETR	ETR	ETR		
CONDENSATE RETURN PUMP 1	ETR	ETR	ETR	ETR	20	3	11	ETR			12	3	20	ETR	ETR	ETR	HEAT CIRC. PUMP 2	
							13	ETR			14	3	20	ETR	ETR	ETR		
							15	ETR			16	3	20	ETR	ETR	ETR		
BATH. LTG.SENSORS	3/4	12	12	2	20	1	17	1.3			18	1	20	ETR	ETR	ETR	HEAT CIRC. PUMP	
SPARE	-	-	-	-	-	-	19	ETR			20	1	-	-	-	-	SPACE	
SPARE	-	-	-	-	-	-	21	ETR			22	1	-	-	-	-	SPACE	
SPACE	-	-	-	-	-	-	23	ETR			24	1	-	-	-	-	SPACE	
SPACE	-	-	-	-	-	-	25	ETR			26	1	-	-	-	-	SPACE	
SPACE	-	-	-	-	-	-	27	ETR			28	1	-	-	-	-	SPACE	
SPACE	-	-	-	-	-	-	29	ETR			30	1	-	-	-	-	SPACE	
TOTAL KILOWATTS PER PHASE ADDED							0	0	1.3	0	0	0						
TOTAL A PHASE KILOWATTS ADDED =							0							TOTAL A PHASE AMPS ADDED = 0				
TOTAL B PHASE KILOWATTS ADDED =							0							TOTAL B PHASE AMPS ADDED = 0				
TOTAL C PHASE KILOWATTS ADDED =							1.3							TOTAL C PHASE AMPS ADDED = 10.8				
TOTAL 3 PHASE KILOWATTS ADDED =							1.3							TOTAL 3 PHASE AMPS ADDED = 3.6				

MARK	MANUFACTURER & CATALOG NO.	DESCRIPTION	VOLTS	TOTAL WATTS	LAMP DATA		BALLASTS		MOUNTING	MTG. HT.	REMARKS
					NO.	WATTS	NO.	TYPE			
F1	FAIL-SAFE 2VRGC-332ACTF140-120-EB81 OR APPROVED EQUAL	2'X4' 3 LAMP FLUORESCENT VANDAL RESISTANT TOFFER WITH .14" THICK ACRYLIC LENS	120	93	3	32			RECESSED	REFER TO DWGS.	
F2	CAPRI - CFR62H13Q-U-RI-PSH17P OR APPROVED EQUAL	6" APERTURE COMPACT FLUORESCENT DOWNLIGHT WITH WET LOCATION SHOWER TRIM & POLYCARBONATE LENS	120	28	2	13			RECESSED	REFER TO DWGS.	

AS-BUILT REVISIONS



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SAMPLE SBI DESIGN PROJECT
TITLE BLOCK

DEPARTMENT of <agency name>
<city/township>, <county> COUNTY, PA

ELECTRICAL SCHEDULES & DETAILS

VERIFY SCALE

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:
0 1

IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

DRAWN BY	DATE	DRAWING No.
F LASTNAME	MMM YYYY	E-2
CHECKED BY	SCALE	
F LASTNAME	AS NOTED	of 2