

BUILDING PLANS FOR LEWISBURG PUB

STOREFRONT RENOVATION
LEWISBURG BOROUGH
UNION COUNTY, PA

CODE COMPLIANCE CRITERIA			
BUILDING CODE	IBC 2006 & APPLICABLE LOCAL CODES		
JURISDICTION	LEWISBURG BOROUGH, UNION COUNTY, PA		
FLOOD PLAN	N/A		
OCCUPANCY TYPE	BUSINESS (B)		
OCCUPANCY LOAD	49 OCC. TOTAL (45 CUSTOMER, 4 EMPLOYEE)		
USE	RESTAURANT/PUB		
ACCESSORY USES	APARTMENT UNITS (R-2) - UPPER FLOORS		
CONSTRUCTION TYPE	IV - HEAVY TIMBER CONSTRUCTION		
BASEMENT DEFINITION	FULL BASEMENT (UTILITY)		
BUILDING DATA	HEIGHT:	ACTUAL	REQ'D / ALLOWED
	AREA:	OVERALL HT / # STORES	MAX. STORES
	TOILETS:	1670 SQ. FT.	
	LAVATORIES:	(1) PER RESTROOM	(1) PER 75 (1 TOTAL)
HANDICAPPED ACCESS	LAVATORIES:	(1) PER RESTROOM	(1) PER 200 (1 TOTAL)
	PARKING:	(2) ACC., (2) VNM ACC.	(4) REQ'D (88 TOTAL)
	ROUTES:	(1) ACC. ROUTE	REQUIRED
	ENTRANCE:	100% OF PUBLIC ENTR.	80% OF PUBLIC ENTR.
FIRE PROTECTION	TOILET FACILITIES:	PROVIDED	REQUIRED
	SPRINKLER SYSTEM:	NOT PROVIDED	NOT REQ'D PER 903.2.1.2
	DISTANCE SEPARATION:	N/A	NOT REQUIRED
	INCIDENTAL USE:	1 HR.	1 HR.
FIRE RATED CONSTRUCTION	ACCESSORY OCCUPANCY:	---	N/A
	MIXED OCCUPANCY:	2 HR.	2 HR. (A -> R)
	OPENING PROTECTIVES:	1 HR.	1 HR.
	FIRE RATED GLAZING:	10'-0" MAX. (HORIZ.)	10'-0" MAX. (HORIZ.)
SPACES	MIN. ROOM DIMENSION:	8'-0" MIN.	7'-0" MIN.
	MIN. CEILING HEIGHT:	8'-0" MIN.	7'-0" MIN.
	ILLUMINATION:	1.1 W/SQ FT.	1.3 W/SQ FT. (BAR/DINING)
	TRAVEL DISTANCE:	70' ± MAX.	200' MAX.
EXITS / EGRESS	DOOR WIDTH:	36" MIN.	32" MIN.
	DOOR SWING:	OUT	OUT
	PANIC HARDWARE:	PROVIDED	NOT REQUIRED
	DEAD END CORRIDOR:	N/A	20' MAX.
STAIRS	VESTIBULE:	NOT PROVIDED (<3000SF)	50% EXITS MAX (>3000SF)
	RISER:	7" MAX.	7" MAX.
	TREAD:	11"	11" MIN.
	WIDTH:	44" MIN.	44" MIN.
STRUCTURAL	HEADROOM:	84" MIN.	80" MIN.
	FLOOR TO FLOOR HEIGHT:	10'-4" MAX.	12'-0" MAX.
	LIVE LOAD:	---	17 PSF
	GROUND SNOW LOAD:	---	30 PSF
INTERIOR FINISHES	WIND LOAD:	---	90 MPH
	SEISMIC CLASS:	---	CLASS A
	EXIT ENCLOSURES:	---	CLASS A (TABLE 803.5)
	CORRIDORS:	---	CLASS A (TABLE 803.5)
ROOMS/SPACES:	---	CLASS B (TABLE 803.5)	



DRAWING INDEX

SHEET	DWG NO	DESCRIPTION
ARCHITECTURAL		
1	T-1	TITLE SHEET
2	C-1	SITE PLAN
3	A-1	FLOOR PLAN
4	A-2	DETAILS
ELECTRICAL		
5	E-1	LIGHTING PLAN
PLUMBING		
6	P-1	PLUMBING PLAN

OWNER :
TED BIERNSTEIN
3915 SHAKESPEARE AVE.
MILTON, PA 17847
(570) 713-7995
CONTACT : TED BIERNSTEIN

GENERAL CONTRACTOR :

TBD BY OWNER PRIOR TO
START OF RENOVATIONS

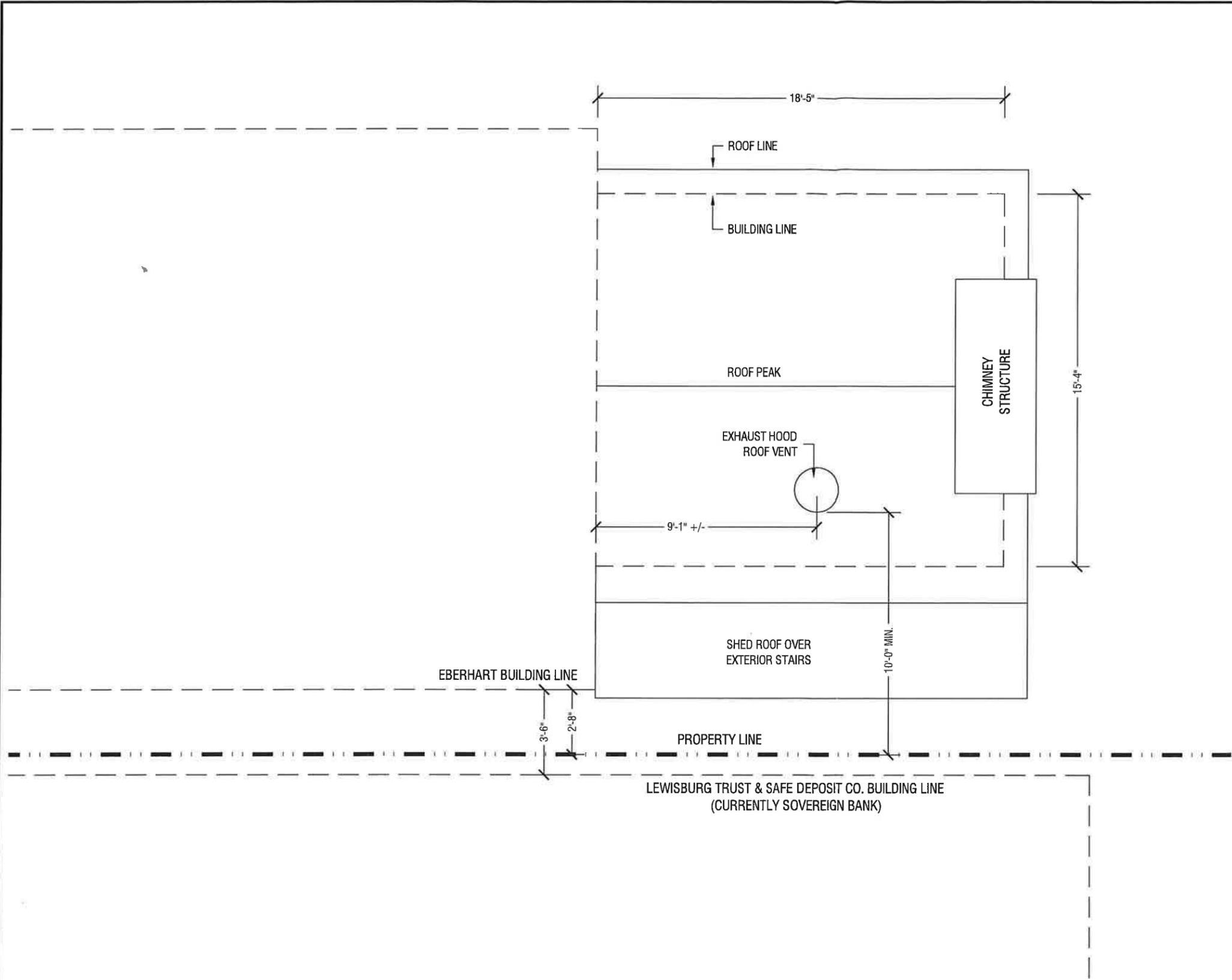
ARCHITECTURAL / STRUCTURAL :
MID-PENN ENGINEERING CORP.
2049 W. MARKET STREET
LEWISBURG, PA 17837
(570) 524-2214
CONTACT : JIM KERBER

GENERAL NOTES

- THE GENERAL CONTRACTOR SHALL VISIT THE PROJECT SITE OF THE PROPOSED WORK PRIOR TO THE START OF WORK TO EXAMINE SITE CONDITIONS AND EXISTING STRUCTURES. IT IS THE G.C.'S RESPONSIBILITY TO NOTIFY MID-PENN ENGINEERING AND THE OWNER OF ALL DISCREPANCIES, CONFLICTS, OR QUALIFICATIONS WHICH MAY ARISE.
- ANY ITEMS NOT SPECIFICALLY MENTIONED OR SHOWN ON THESE DRAWINGS, BUT ARE NECESSARY FOR A COMPLETE WORKING INSTALLATION, SHALL BE BROUGHT TO THE ATTENTION OF MID-PENN ENGINEERING OR WILL BE UNDERSTOOD TO BE INCLUDED IN THE SCOPE OF WORK.
- THE G.C. SHALL OBTAIN ANY AND ALL PERMITS REQUIRED TO PERFORM ALL APPLICABLE WORK, AND SHALL PAY ALL FEES IN CONNECTION THEREOF, IN COOPERATION WITH THE OWNER.
- THE G.C. SHALL PRESERVE AND PROTECT ALL EXISTING ITEMS TO REMAIN AND SHALL REPAIR OR REPLACE ANY NEW OR EXISTING ITEMS DAMAGED DURING THE COURSE OF WORK TO THE SATISFACTION AND APPROVAL OF MID-PENN ENGINEERING AND THE OWNER, WITHOUT ADDITIONAL COST TO THE OWNER. THE G.C.'S RESPONSIBILITIES FOR THIS PROJECT SHALL EXTEND UP TO SUBSTANTIAL FULL PROJECT COMPLETION, OR OWNER OCCUPANCY, WHICHEVER OCCURS FIRST.
- ALL UTILITIES WILL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF THE START OF CONSTRUCTION.
- THE G.C. SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE RULES AND REGULATIONS OF ANY AND ALL FEDERAL, STATE AND LOCAL AGENCIES/DEPTS. HAVING JURISDICTION OVER ANY PORTION OR PHASE OF THE WORK.
- THE G.C. SHALL REMOVE ALL DEBRIS PRODUCED AS A RESULT OF CONSTRUCTION FROM THE PREMISES.
- THE G.C. SHALL CHECK AND VERIFY ALL DIMENSIONS, CONDITIONS AND GRADES AT THE SITE BEFORE THE START OF ANY CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED TO MID-PENN ENGINEERING. FAILURE TO DO SO CONSTITUTES THE G.C. ASSUMING FULL LIABILITY FOR SUCH DISCREPANCIES AND ANY COSTS ASSOCIATED IN MITIGATING THE SAME.
- THESE DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS SHALL BE USED AS INDICATED THEREIN OR PROVIDED BY MID-PENN ENGINEERING.
- THE G.C. SHALL VERIFY EXISTING DIMENSIONS, CONDITIONS & CLEARANCES PRIOR TO SUBMISSION OF SHOP DRAWINGS.
- THE G.C. SHALL NOTIFY MID-PENN ENGINEERING ONCE INTERIOR WALL LOCATIONS ARE SET PRIOR TO INSTALLATION OF VERTICAL STUDS OR MASONRY WORK TO VERIFY ROOM DIMENSIONS AND TO MAKE ANY NECESSARY MODIFICATIONS REQUIRED DUE TO EXISTING CONDITIONS.
- THE G.C. SHALL PROPERLY SHORE, UNDERPIN AND MAKE SAFE ALL FLOORS AND WALLS OF ADJACENT EXISTING STRUCTURES AS JOB CONDITIONS REQUIRE. SHORING DESIGNS MUST BE PREPARED BY PROFESSIONALS LICENSED TO PRACTICE AT THE JOB SITE LOCATION.
- THE G.C. SHALL DOUBLE ALL JOISTS UNDER PARALLEL WALLS, PLUMB. FIXTURES & AT FLOOR OPENINGS.
- THE G.C. SHALL NOTIFY MID-PENN ENGINEERING OF ALL CASES WHERE PIPING, DUCT, ETC. BREAKS FINISHED CEILING LINES INDICATED PRIOR TO INSTALLATION OF SOFFITS & CEILINGS.
- THE G.C. SHALL CLOSE OFF & SEAL AROUND ALL OPENINGS WHERE PIPING, DUCTS, ETC. PASS THROUGH WALLS, FLOORS, CEILINGS OR SLABS. FIRE RATED MATERIALS MUST BE USED IN ALL RATED PARTITIONS.
- THE G.C. SHALL ENCLOSE ALL EXPOSED MECH., PLUMBING, & ELECTRICAL LINES OCCURRING WITHIN OCCUPIED SPACES IN GYP. BOARD SOFFITS OR CHASE/UNLESS OTHERWISE NOTED.
- HUNG OR FURRED CEILINGS IN WHICH HVAC & PLUMBING LINES ARE CONCEALED SHALL NOT BE BUILT UNTIL SUCH LINES ARE TESTED & APPROVED BY THE APPROPRIATE AUTHORITIES.
- THE G.C. SHALL EXPOSE EXISTING UTILITIES PRIOR TO PIPE LAYING OPERATIONS SO THAT, IF MINOR ELEVATION OR ALIGNMENT ADJUSTMENTS ARE REQUIRED DUE TO INTERFERENCE OF UTILITIES, ANY CHANGES CAN BE MADE PRIOR TO THE START OF WORK.
- ALL MATERIAL, COLORS AND FINISHES SHALL BE SELECTED BY THE OWNER. THE G.C. SHALL CONFIRM ANY COLOR OR FINISH NOT SPECIFICALLY NOTED ON THESE DRAWING WITH MID-PENN ENGINEERING BEFORE PROCEEDING WITH WORK.
- THE G.C. BEARS THE RESPONSIBILITY FOR CONSTRUCTION METHODS, TECHNIQUES & CRAFTSMANSHIP.
- WOOD IN CONTACT WITH MASONRY, CONCRETE OR EARTH, OR WITHIN 1'-0" OF FINISHED GRADE OR EXPOSED TO THE EXTERIOR OF THE BUILDING SHALL BE PRESSURE TREATED.
- GUARANTEES & CERTIFICATES: UPON WORK COMPLETION, THE G.C. SHALL FURNISH THE OWNER WRITTEN GUARANTEE AGAINST DEFECTS IN MATERIALS & WORKMANSHIP FOR A CLEARLY STATED PERIOD. THE G.C. SHALL FURNISH THE OWNER ALL CERTIFICATES AS REQUIRED, INCLUDING THE CERTIFICATE OF OCCUPANCY.
- IT IS NOT THE INTENT OF THESE DRAWINGS TO SPECIFY OR DEPICT ALL ASPECTS OF WORK. THE OWNER & G.C. RECOGNIZE THE PROJECT MAY CHANGE THROUGHOUT CONSTRUCTION.

ABBREVIATIONS

APR	APPROXIMATE	BA	BATH	BO	BUILDING	BR	BREAKER	BT	TELEPHONE
ACC	ACCESSIBLE	BE	BENCH	BR	BROOK	BU	BURIED	TV	TELEVISION
ACT	ACTUAL	BL	BLOCK	CA	CANAL	CB	CANISTER	TR	TRAILER
AC	AIR CONDITION	BLK	BLOCK	CD	CANAL	CC	CANISTER	TR	TRAILER
AL	ALUMINUM	BLK	BLOCK	CE	CANAL	CC	CANISTER	TR	TRAILER
ALU	ALUMINUM	BLK	BLOCK	CF	CANAL	CC	CANISTER	TR	TRAILER
APPROX	APPROXIMATE	BLK	BLOCK	CH	CHANNEL	CC	CANISTER	TR	TRAILER
ARCH	ARCHITECTURAL	BLK	BLOCK	CI	CANAL	CC	CANISTER	TR	TRAILER
AUTO	AUTOMATIC	BLK	BLOCK	CL	CANAL	CC	CANISTER	TR	TRAILER
BAG	BAGGING	BLK	BLOCK	CM	CANAL	CC	CANISTER	TR	TRAILER
BT	BURIED	BLK	BLOCK	CO	CANAL	CC	CANISTER	TR	TRAILER
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BT	BURIED	BLK	BLOCK	CA	CANAL	CC	CANISTER	TR	TRAILER
BT	BURIED	BLK	BLOCK	CB	CANAL				



PARTIAL SITE PLAN
SCALE: NOT TO SCALE

NO.	DESCRIPTION	BY/DATE
REVISIONS		

LEWISBURG PUB
STOREFRONT RENOVATION
EAST MARKET STREET
LEWISBURG BOROUGH
UNION COUNTY, PA

MID-PENN ENGINEERING CORPORATION
ENGINEERS • LANDSCAPE ARCHITECTS • SURVEYORS
TOLL FREE: 1-877-917-8072 FAX: 717-653-9999
2405 WEST MARKET STREET P.O. BOX 100 LEWISBURG, PA 17842
www.mid-penn-engineering.com

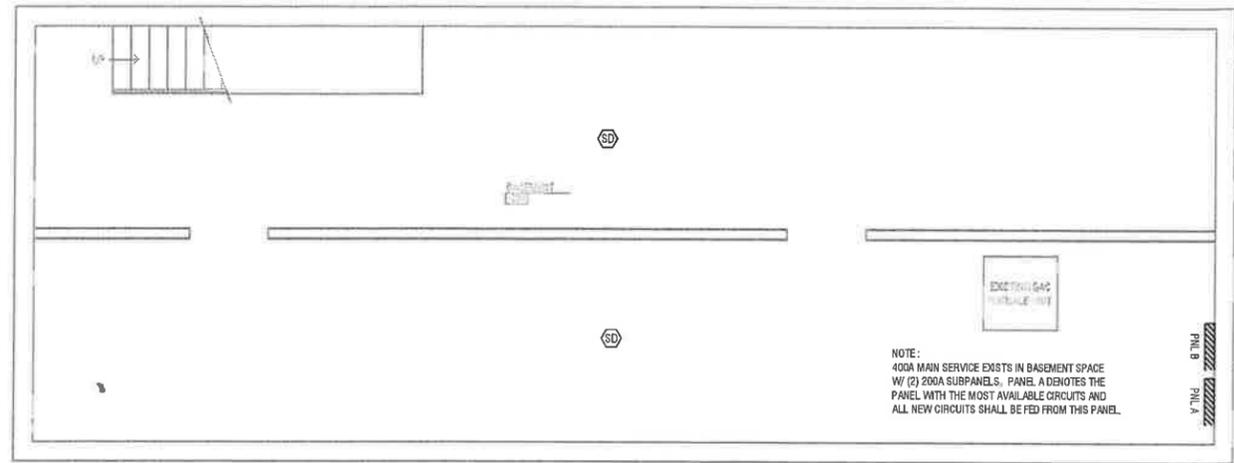
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ENR/SVR LSR	DRAWN BY BJS
DESIGN BY RJK	CHECK BY RJK

DATE: 13-JAN-10
PROJECT NO: A49P599-09-1.52
DRAWING NO:

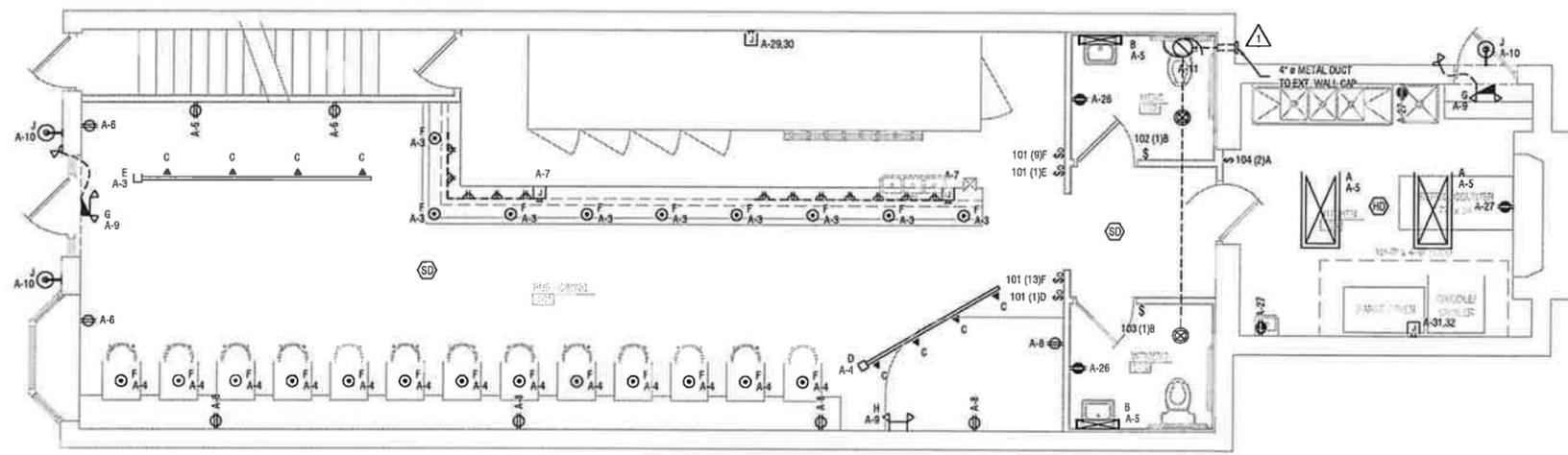
C-1
SITE PLAN



BASEMENT ELECTRICAL PLAN

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

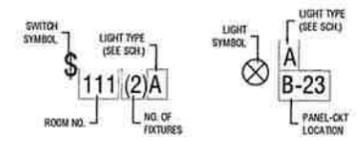
NOTE:
400A MAIN SERVICE EXISTS IN BASEMENT SPACE
W/ (2) 200A SUBPANELS. PANEL A DENOTES THE
PANEL WITH THE MOST AVAILABLE CIRCUITS AND
ALL NEW CIRCUITS SHALL BE FED FROM THIS PANEL.



FIRST FLOOR ELECTRICAL PLAN

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

ELECTRICAL LEGEND	
	FLUORESCENT LIGHT FIXTURE
	WALL MT. FLOOR LIGHT FIXTURE
	DOWNLIGHT FIXTURE
	PENDANT FIXTURE
	TRACK MOUNTED DIRECTIONAL LIGHT FIXTURE
	EXT. WALL LIGHT FIXTURE
	STANDARD OR DIMMER SWITCH
	100W EMG DY LIGHTING PACK W/REMOTE HEAD UNIT
	100W EMG DY LBG PACK/EXT SIGN COMBO W/REMOTE HEAD
	DUPLEX GROUNDED OUTLET
	GR DUPLEX OUTLET
	RJ-45 JACK (W/ NO. OF PORTS)
	COAXIAL TV RECEPTACLE
	PLUGMOLD W/ SINGLE-GANG RECEPTACLES @ 16" O.C.
	IN-LINE EXHAUST FAN W/ CEILING GRILLES & 4" Ø METAL DUCT
	IC SMOKE OR HEAT DETECTOR
	JUNCTION BOX (CLG OR WALL MT)
	ELECTRICAL PANEL



LIGHTING LABEL KEY

SCALE: NOT TO SCALE

LIGHT FIXTURE SCHEDULE									
NO.	QUANTITY	LOCATION	MFR. OR ALLOW.	DESCRIPTION	MOUNT	LAMP	VOLT	WATT	REMARKS
A	2	KITCHEN	DAY-BRITE / P3 SERIES	2x4 FLUORESCENT, 3-TUBE	SURFACE / @ CLG. HT.	(3)F32TB	120V	99W	W/PRISMATIC LENS
B	2	RESTROOMS	DAY-BRITE / AWR	6" x 36" WALL-MOUNT FLUORESCENT	WALL / 7'-0" A.F.F.	(2)F25TB	120V	50W	
C	8	PUB/DINING	CAPRI / TBD BY OWNER	TRACK LIGHT HEAD	TRACK / @ CLG. HT.	50PAR20	120V	50W	
D	1	PUB/DINING	CAPRI / CTB	8'-0" LIGHTING TRACK	SURFACE / @ CLG. HT.	----	120V	----	FEED CONNECTORS & ENDS AS REQUIRED
E	1	PUB/DINING	CAPRI / CT12	12'-0" LIGHTING TRACK	SURFACE / @ CLG. HT.	----	120V	----	FEED CONNECTORS & ENDS AS REQUIRED
F	22	PUB/DINING	TBD BY OWNER	PENDANT FIXTURE	SURFACE / @ CLG. HT.		120V	50W	
G	2	PUB/KITCHEN	McPHILBEN / CCAX SERIES	EMER. LT. UNIT/EXT SIGN COMBO	WALL / 7'-0" A.F.F.	MR16LED	120V	18W	W/ RED LETTERING & REMOTE HEAD
H	1	PUB	McPHILBEN / CAVR SERIES	EMERGENCY LIGHT UNIT	WALL / 7'-0" A.F.F.	MR16	120V	18W	
J	3	EXTERIOR DOOR	TBD BY OWNER	EXTERIOR WALL MT. LIGHT	WALL / 8'-0" A.F.F.	CF26	120V	26W	

PANEL A LIGHTING, POWER & EQUIPMENT 120/240V, 200A, 1 φ												
CKT.	LOAD	AMP	POLE	WIRE	COND.	COND.	WIRE	POLE	AMP	LOAD	CKT.	
1	IN USE (EXISTING)	20	1	12	1/2"	1/2"	12	1	20	IN USE (EXISTING)	21	
2	--- NOT USED ---	--	--	--	--	1/2"	12	1	20		22	
3	LTG 101	20	1	12	1/2"	1/2"	12	1	20	IN USE (EXISTING)	23	
4	LTG 101	20	1	12	1/2"	1/2"	12	1	20		24	
5	LTG 102-104	20	1	12	1/2"	--	--	--	--	--- NOT USED ---	25	
6	RECEP 101	20	1	12	1/2"	1/2"	12	1	20	GR RECEP 102, 103	26	
7	PLUGMOLD 101	20	1	12	1/2"	1/2"	12	1	20	GR RECEP 104	27	
8	RECEP 101	20	1	12	1/2"	1/2"	12	1	20	RECEP 103	28	
9	EMERGENCY LTG	20	1	12	1/2"						29	
10	EXTERIOR LTG	20	1	12	1/2"					PER MFR SPECIFICATIONS	PWR WALK-IN COOLER	30
11	PWR EXHAUST FAN	20	1	12	1/2"					PER MFR SPECIFICATIONS	PWR EXHAUST HOOD	31
12	SPARE	20	1	--	--							32
13	SPARE	20	1	--	--	--	--	--	--	--- NOT USED ---		33
14	--- NOT USED ---	--	--	--	--	--	--	--	--	--- NOT USED ---		34
15	--- NOT USED ---	--	--	--	--	--	--	--	--	--- NOT USED ---		35
16	--- NOT USED ---	--	--	--	--	--	--	--	--	--- NOT USED ---		36
17	--- NOT USED ---	--	--	--	--	--	--	--	--	--- NOT USED ---		37
18	--- NOT USED ---	--	--	--	--	--	--	--	--	--- NOT USED ---		38
19	--- NOT USED ---	--	--	--	--	--	--	--	--	--- NOT USED ---		39
20	--- NOT USED ---	--	--	--	--	--	--	--	--	--- NOT USED ---		40

ELECTRICAL PANEL SCHEDULE

SCALE: NOT TO SCALE

ELECTRICAL NOTES:

- E.C. SHALL VERIFY ALL WIRE SIZES AND CIRCUIT LOADING FOR ALL EQUIPMENT & MAIN SERVICE CABLES. ANY FIELD MODIFICATIONS THAT DEVIATE FROM THE CONTENTS OF THESE PLANS SHALL BE SUBMITTED TO MID-PENN ARCHITECTURE IN PLAN FORM FOR APPROVAL. THE E.C. SHALL BEAR SOLE RESPONSIBILITY, IN ALL REGARDS, FOR FIELD MODIFICATIONS NOT APPROVED BY MID-PENN ARCHITECTURE.
- INSTALL ALL LIGHT FIXTURES INCLUDING BULBS AS INDICATED ON DRAWINGS. VERIFY EXACT MOUNTING HEIGHTS & LOCATION OF ALL LIGHTING FIXTURES PRIOR TO INSTALLATION.
- PROVIDE EMERGENCY LIGHTING SYSTEMS AS SHOWN IN COMPLIANCE WITH IBC 2006
- EMERGENCY AND/OR NITE LIGHT FIXTURES SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED HOT TO NORMAL AND EMERGENCY BALLASTS.
- FLUORESCENT LIGHTING NOT LABELED AS NITE LIGHT FIXTURES SHALL OPERATE UNDER CONTROL OF LIGHTING SWITCH AS INDICATED. PROVIDE SWITCHED HOT TO NORMAL BALLAST.
- CONTRACTOR SHALL FIELD VERIFY CEILING TYPES AND PROVIDE THE PROPER MOUNTING HARDWARE AS REQUIRED.
- CONDUITS SHALL BE RUN ABOVE FINISHED CEILING, UNLESS OTHERWISE NOTED ON PLAN
- ALL SWITCHES SHALL BE INSTALL AT 48" A.F.F. TO THE CENTER OF THE SWITCH PER IBC2006 ACCESSIBILITY REQUIREMENTS.
- ALL RECEPTACLES SHALL BE RATED @ 20 AMPS, U.O.N. ON THE PANEL SCHEDULES
- LOCATIONS OF ALL OUTLETS MAY BE RELOCATED TO NEAREST STUD, W/O CUTTING INTO STUDS
- ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED PER NEC 2008
- CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER AND FUSE SIZES WITH THE SELECTED EQUIPMENT MANUFACTURERS EQUIPMENT DWGS AND SHOP DWGS
- SMOKE DETECTORS SHALL BE INSTALLED AS SHOWN. ADDITIONAL SMOKE DETECTORS SHALL BE INSTALLED IN THE 2nd AND 3rd FLOOR APARTMENT UNITS, (2) DETECTORS PER FLOOR.

LIGHTING EFFICIENCY CALC.

- INTERIOR LTG.: OFFICE AREA = 1670 SQ. FT.
ALLOWABLE LTG. DENSITY (IECC 2006) = 1.3 W/F² (BAR/DINING)
TOTAL INTERIOR WATTS = 1792W
ACTUAL LTG. DENSITY: 1792W/1670 SQ. FT. = 1.07W/F²
- EXT. DOOR LTG.: LINEAR FT OF MAIN DOORS = 6 FT.
TOTAL WATTS OF LTG @ DOORS = 78W
TOTAL ALLOWABLE W/F² = 30W/F² OF DOOR
ACTUAL LTG. DENSITY = 78W/6FT = 13W/LINEAR FT.
- EMERGENCY LTG.: RENOVATION AREA = 1670 SQ. FT.
REQUIRED W/SQ. FT. = 0.05W/SQ. FT.
WATTS PER LIGHT HEAD = 25W (PER MR16 12W BULB)
LIGHT HEADS REQ'D = (1670 x 0.05) / 25W = 4 HEADS
LIGHT HEADS PROVIDED = 6 HEADS

CHANGE/ADDITIONS TO PLANS PER CODE COMMENTS BJS 2/8/10

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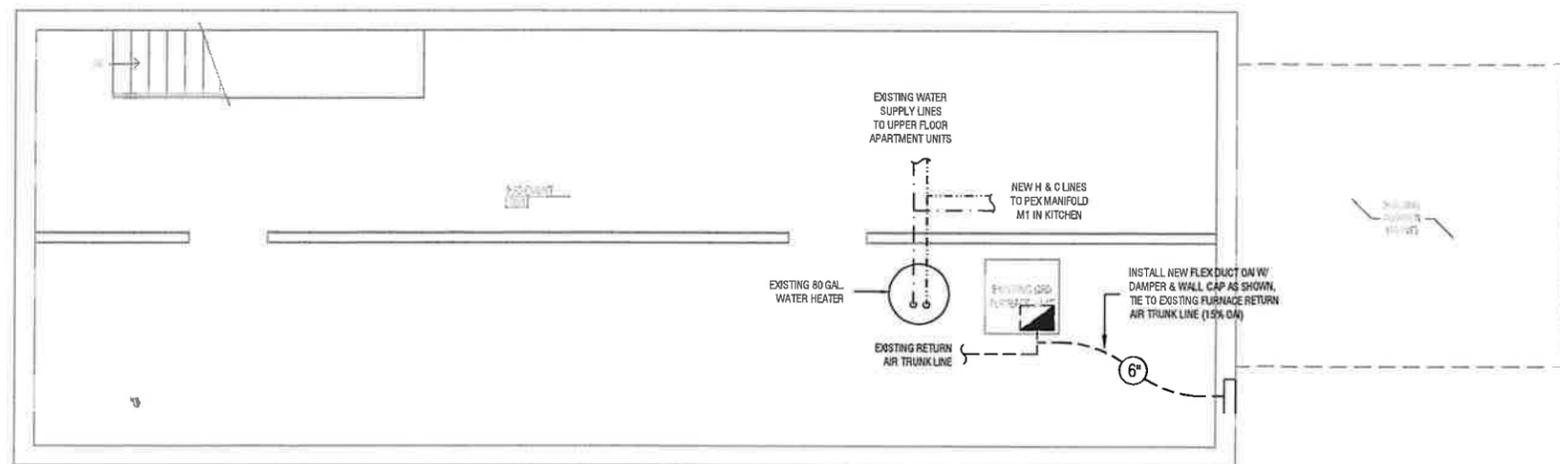
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DATE: 13-JAN-10
PROJECT NO: A49P599-09-1.52
DRAWING NO: E-1

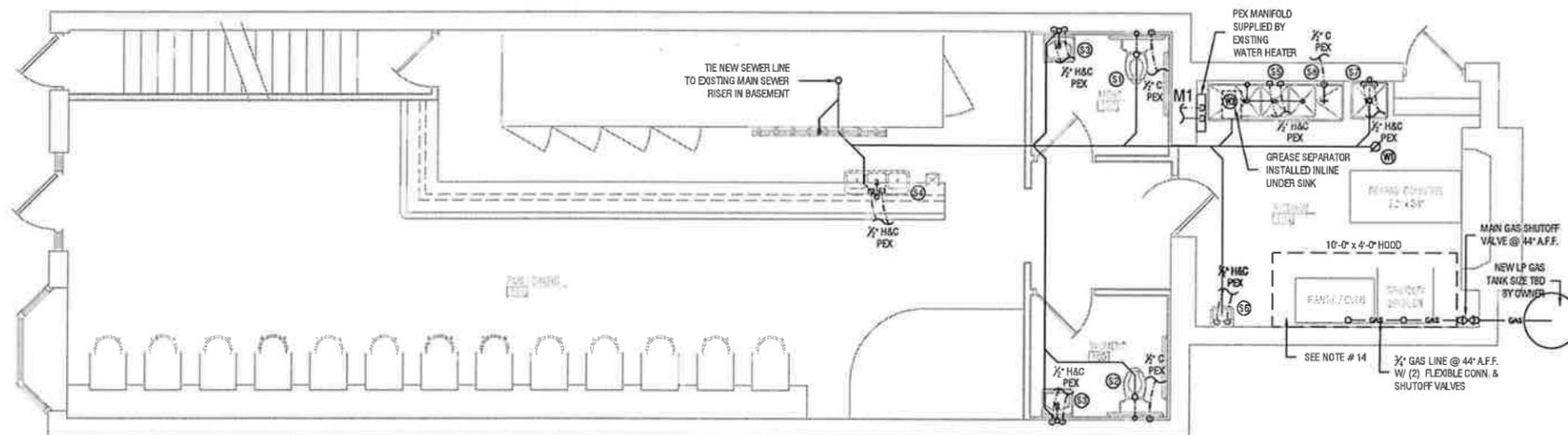
DESIGN BY: LSR
CHECK BY: RJK

8 OF 8 SHEETS



BASEMENT PLUMBING PLAN

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

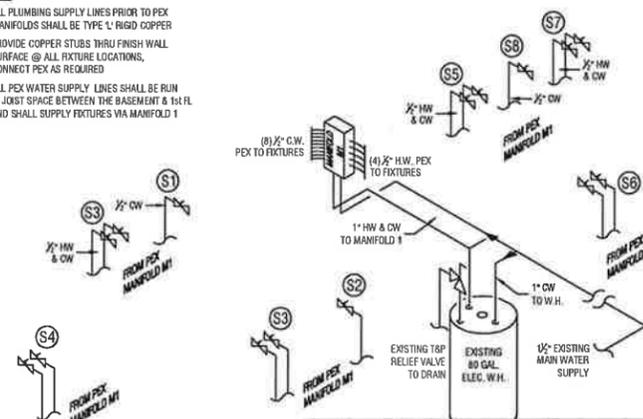


FIRST FLOOR PLUMBING PLAN

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

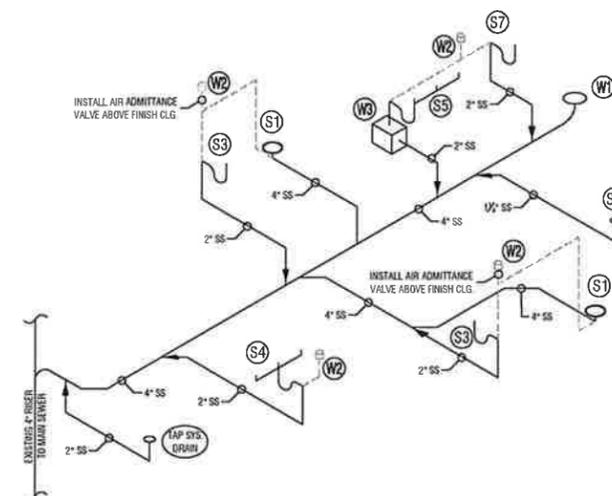
NOTES:

1. ALL PLUMBING SUPPLY LINES PRIOR TO PEX MANIFOLDS SHALL BE TYPE 1" RIGID COPPER
2. PROVIDE COPPER STUBS THRU FINISH WALL SURFACE @ ALL FIXTURE LOCATIONS, CONNECT PEX AS REQUIRED
3. ALL PEX WATER SUPPLY LINES SHALL BE RUN IN JOIST SPACE BETWEEN THE BASEMENT & 1st FL AND SHALL SUPPLY FIXTURES VIA MANIFOLD 1



PLUMBING SUPPLY SCHEMATIC

SCALE: NOT TO SCALE



PLUMBING WASTE SCHEMATIC

SCALE: NOT TO SCALE

PLUMBING SUPPLY NOTES

1. P.C. SHALL VERIFY ALL PLUMBING & GAS SUPPLY PIPE SIZES, EQUIPMENT/SUPPLY CONNECTIONS/COUPLINGS AND PLUMBING SUPPLY COMPONENTS & NOTIFY MID-PENN ENGINEERING OF ALL CHANGES REQUIRED TO THE CONTENTS OF THESE PLANS, SUBMITTED IN PLAN FORM FOR APPROVAL, PRIOR TO THE START OF WORK.
2. ALL WATER SUPPLY LINES SHALL BE TYPE 1" COPPER TO THE PEX MANIFOLD, AND PEX TUBING THEREAFTER W/ COPPER COUPLINGS AT FIXTURES, SIZED AS INDICATED & INSULATED
3. ALL NATURAL GAS PIPING SHALL BE BLACK STEEL, SIZE VERIFIED BY THE P.C. PER SUPPLY REQUIREMENTS OF THE EQUIPMENT SERVICED AND AVAILABLE LINE PRESSURE, W/ 1/2" TURN SHUT-OFF VALVES @ ALL EQUIPMENT.
4. ALL WATER AND/OR GAS LINES SHALL BE KEPT TIGHT TO THE UNDERSIDE OF EQUIPMENT & SECURED IN PLACE
5. PROVIDE ACCESSIBLE SHUT-OFF VALVES ON ALL WATER SUPPLY LINES & AT ALL FIXTURES
6. VINYL PROTECTIVE COVERINGS SHALL BE INSTALLED OVER ALL EXPOSED SUPPLY LINES AT RESTROOM LAVATORIES
7. ALL HORIZONTAL WATER SUPPLY LINES & GAS LINES SHALL BE INSTALLED IN THE 1ST FLOOR JOIST SPACE, ACCESSIBLE FROM THE BASEMENT, SECURED PER IPC AND IFGC REQUIREMENTS
8. ALL SUPPLY LINES SHALL BE PRESSURE TESTED IN STRICT COMPLIANCE WITH IPC STANDARDS
9. ALL VALVES OR OTHER EQUIPMENT INSTALLED IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL
10. HOT WATER HEATER SHALL HAVE A TEMPERATURE CONTROL VALVE ON THE DOMESTIC HOT WATER SUPPLY & SHALL LIMIT HOT WATER TEMPERATURE TO 110° MAXIMUM PER 2006 IPC
11. ALL PENETRATIONS THROUGH MASONRY WALL CONSTRUCTION SHALL BE SLEEVED BY LARGER DIAMETER PIPE TO ALLOW FOR EXPANSION & CONTRACTION
12. PROVIDE LEVER HANDLE GAS SHUT-OFFS AT BRANCH PIPING FOR ALL GAS-FIRED EQUIPMENT. INSTALL A QUICK DISCONNECT, & FLEXIBLE PIPE WHERE ALLOWED BY CODE
13. P.C. / OWNER SHALL VERIFY PRESENCE OF BACKFLOW PREVENTER ON WATER SERVICE SUPPLY LINE, AND SHALL PROVIDE ONE IF NO EXISTING BACKFLOW PREVENTER IS PRESENT.
14. TYPE 1 EXHAUST HOOD W/ ANSUL SUPPRESSION SYSTEM & INTEGRAL MAKE-UP AIR SHALL BE INSTALLED IN THE KITCHEN. ENSURE 10'-0" MIN. HORIZ. DISTANCE BETWEEN ALL HOOD INTAKE & EXHAUST DUCTS @ BUILDING EXTERIOR.

PLUMBING LEGEND

	COLD WATER LINE		P-TRAP
	HOT WATER LINE		CLEANOUT
	SANITARY SEWER LINE		FLOOR DRAIN W/TRAP PRIMER
	WASTE VENT LINE		HOSE BIBB OR WALL HYDRANT
	NATURAL GAS LINE		FIXTURE LABEL (SEE SCHEDULE)

PLUMBING WASTE NOTES

1. P.C. SHALL VERIFY ALL WASTE PIPE SIZES, EQUIPMENT DRAIN CONNECTIONS/COUPLINGS AND WASTE LINE COMPONENTS & NOTIFY MID-PENN ENGINEERING OF ALL CHANGES REQUIRED TO THE CONTENTS OF THESE PLANS, SUBMITTED IN PLAN FORM FOR APPROVAL, PRIOR TO THE START OF WORK.
2. ALL WASTE LINES SHALL BE SCH. 40 PVC WITH GLUE TIGHT FITTINGS & SHALL MAINTAIN A MINIMUM 2% SLOPE, UNLESS OTHERWISE REQUIRED BY CODE
3. VINYL PROTECTIVE COVERINGS SHALL BE INSTALLED OVER ALL EXPOSED WASTE LINES AT RESTROOM LAVATORIES
4. PROVIDE CLEANOUTS (C.O.) AS INDICATED ON DRAWINGS, MAINTAINING A MAX. 90' PIPE LENGTH BETWEEN EACH C.O. LOCATION. VERIFY ON-SITE.
5. ALL WASTE LINES SHALL BE PRESSURE TESTED IN STRICT COMPLIANCE WITH IPC STANDARDS
6. ALL PENETRATIONS THROUGH MASONRY WALL CONSTRUCTION SHALL BE SLEEVED BY LARGER DIAMETER PIPE TO ALLOW FOR EXPANSION & CONTRACTION

PLUMBING FIXTURE SCHEDULE

	NO.	FIXTURE	MANUFACTURER	MODEL	COLOR	TRIM	WASTE	H.W.	C.W.	REMARKS
SUPPLY	S1	TOILET (ADA COMP.)	AMERICAN STANDARD	CADET 2467.016	WHITE	----	3"	N/A	1/2"	LEFT-HAND LEVER, W/AM. STD. 5324.019 SEAT
	S2	TOILET (ADA COMP.)	AMERICAN STANDARD	CADET 2467.016	WHITE	----	3"	N/A	1/2"	RIGHT-HAND LEVER, W/AM. STD. 5324.019 SEAT
	S3	WALL MT. LAVATORY	KOHLER	K-2005	WHITE	DELTA 500	1-1/2"	1/2"	1/2"	W/ ADA COMPLIANT SCALD-PROOF FAUCET
	S4	3-BAY S.S. BAR SINK	ELKAY	TBD	N/A	TBD	2"	1/2"	1/2"	
	S5	3-BAY S.S. UTILITY SINK	ELKAY	TBD	N/A	TBD	2"	1/2"	1/2"	
	S6	WALL MT. S.S. HAND SINK	ADVANCE TABCO	7-PS-60-1X	N/A	TBD	1-1/2"	1/2"	1/2"	W/ INTEGRAL GOOSENECK FAUCET
	S7	MOP SINK	SWANSTONE	PT-1	WHITE	DELTA #2133	2"	1/2"	1/2"	
	S8	HOSE BIBB	WOODFORD	TBD	BRASS	----	N/A	N/A	1/2"	W/VACUUM TYPE PRESSURE BREAK
WASTE	W1	FLOOR CLEANOUT	ZURN	2-1400	CAST IRON	----	N/A	N/A	N/A	ROUND SCORIATED CAST IRON COVER
	W2	AIR ADMITTANCE VALVE	IPC STUDDOR	TBD	N/A	----	2"	N/A	N/A	INSTALL UNDER COUNTER, AUTO OPEN/CLOSE
	W3	GREASE INTERCEPTOR	DORMONT	TBD	N/A	----	2"	N/A	N/A	20 GPM CAPACITY, ABOVE FLOOR INSTALLATION

CHANGES/ADDITIONS TO PLANS PER CODE COMMENTS	R.J.S. 2/8/16
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NO.	DESCRIPTION	BY/DATE
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REVISIONS		
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DATE: 13-JAN-10	PROJECT NO: A49P599-09-1.52
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DRAWING NO: **P-1**
PLUMBING PLAN
6 OF 6 SHEETS