

ABBREVIATIONS:

A.F.F.	ABOVE FINISHED FLOOR	DEG.	DEGREE	HDW.	HARDWARE	NOM.	NOMINAL	RM.	ROOM
AFR.	ABOVE FINISHED ROOF	DTL.	DETAIL	HDWD.	HARDWOOD	N.	NORTH	R.O.	ROUGH OPENING
A.P.	ACCESS PANEL	DIA.	DIAMETER	HDR.	HEADER	N.I.C.	NOT IN CONTRACT		
ADD.	ADDENDUM	DIM.	DIMENSION	HTG.	HEATING	N.T.S.	NOT TO SCALE	SCH.	SCHEDULE
ADJ.	ADJUSTABLE	DR.	DOWNSPOUT (EXT)	HVAC	HEAT/VENT/AIR COND.	NO. (#)	NUMBER	SEC.	SECOND, SECTION
ADJT.	ADJUSTABLE	DN	DOWN	HT.	HEIGHT	O.C.	ON CENTER	SHT.	SHEET
AGG.	AGGREGATE	DBL.	DOUBLE	H.P.	HIGH POINT	OPQ.	OPAQUE	SIM.	SIMILAR
A/C	AIR CONDITIONING	DWG.	DRAWING	H.C.	HOLLOW CORE	OPG.	OPENING	S.	SOUTH
ALT.	ALTERNATE	E.	EAST	HORIZ.	HORIZONTAL	OPP.	OPPOSITE	SPEC.	SPECIFICATION(S)
ALUM.	ALUMINUM	ELEC.	ELECTRIC(AL)	H.W.	HOT WATER	O.D.	OUTSIDE DIAMETER	SQ.	SQUARE
ANOD.	ANODIZED	EL.	ELEVATION	HR.	HOUR	O.A.	OVERALL	ST. STL.	STAINLESS STEEL
APPROX.	APPROXIMATE	ELEV.	ELEVATOR					STD.	STANDARD
ARCH.	ARCHITECT (URAL)	EMBED	EMBED(MENT)	IN.	INCH	PTD.	PAINT(ED)	STL.	STEEL
A.D.	AREA DRAIN	ENCL.	ENCLOSE(URE)	INCL.	INCLUDE(D)(ING)	PNL.	PANEL	STOR.	STORAGE
ASPH.	ASPHALT	ENGR.	ENGINEER	I.D.	INSIDE DIAMETER	PERF.	PERFORATE(D)	STRUCT.	STRUCTURAL
		EQ.	EQUAL	INSUL.	INSULATED(D)(ING)	PL.	PLASTER	SUSP.	SUSPENDED
		EQUIP.	EQUIPMENT	INT.	INTERIOR	PLAS.	PLATE	SYM.	SYMMETRY(ICAL)
		EXH.	EXHAUST			PL. GL.	PLATE GLASS	SYS.	SYSTEM
BSMT.	BASEMENT	EXIST.	EXISTING	JT.(S)	JOINT(S)	PLMB.	PLUMBING	TEMP.	TEMPERED
BM.	BEAM	EXP.JT.	EXPANSION JOINT			PWD.	PLYWOOD	TERR.	TERRAZZO
BTW.	BETWEEN	EXP.	EXPOSED	LBL.	LABEL	PT.	POINT	THK.	THICK(NESS)
BIT.	BITUMINOUS	EXT.	EXTERIOR	LAV.	LAVATORY	PVC.	POLYVINYL CHLORIDE	THRES.	THRESHOLD
BLK.	BLOCK			L.H.	LEFT HAND	P.T.C.	POST-TENSIONED CONC.	TOL.	TOLERANCE
BLKG.	BLOCKING	FAS.	FASTEN, FASTENER	L.	LENGTH	P.C.F.	POUNDS PER CUBIC FT.	T&G	TONGUE AND GROOVE
BD.	BOARD	FGL.	FIBERGLASS	LT.	LIGHT	P.L.F.	POUNDS PER LINEAL FT.	T.O.	TOP OF
BOT.	BOTTOM	FIN.	FINISHED	LT.WT.	LIGHTWEIGHT	P.S.F.	POUNDS PER SQUARE FT.	T.O.C.	TOP OF CURB
B.O.	BOTTOM OF	FP.	FIREPROOFING	LIN.	LINEAR	P.S.I.	POUNDS PER SQUARE IN.	T.O.S.	TOP OF SLAB
BLDG.	BUILDING	FLR.	FLOORING	LQ.	LIQUID	P.T.WD.	PRESSURE TREATED WOOD	T.O.STL.	TOP OF STEEL
B.U.R.	BUILT UP ROOFING	FLG.	FLOOR DRAIN	LVR.	LOUVER	P.C.C.	PRECAST CONCRETE	T.O.W.	TOP OF WALL
		F.D.	FLUID APPLIED ROOFING	L.P.	LOW POINT	P.M.	PROJECT MANUAL	TYP.	TYPICAL
		F.A.W.	FLUID APPLIED WP.			P.L.	PROPERTY LINE	V.B.	VAPOR BARRIER
C.L.	CENTER LINE	FT.	FOOT	MFR.	MANUFACTURE(D)(ER)	Q.T.	QUARRY TILE	VERT.	VERTICAL
CLG.	CEILING	FTG.	FOOTING	MAS.	MASONRY			V.I.F.	VERIFY IN FIELD
CLG.HT.	CEILING HEIGHT	FND.	FOUNDATION	MATL.	MATERIAL(S)	RAD.	RADIUS	WP.	WATERPROOFING
CEM.	CEMENT	F.S.	FULL SIZE	MAX.	MAXIMUM	RECP.	RECEPTACLE	WT.	WEIGHT
CTR.	CENTER	FURR.	FURRED(ING)	MECH.	MECHANICAL	REF.	REFERENCE	W.W.F.	WELDED WIRE FABRIC
C.T.	CERAMIC TILE			MED.	MEDIUM	REINF.	REINFORCE(D)(ING)	W.	WEST, WIDE, WIDTH
CLR.	CLEAR(ANCE)	GA.	GAGE, GAUGE	MEMB.	MEMBRANE	RET.	RETURN	W/	WITH
COL.	COLUMN	GALV.	GALVANIZED	MTL.	METAL	REV.	REVISION(S)	WDW.	WINDOW
CONC.	CONCRETE	GL.	GLASS, GLAZING	MIN.	MINIMUM, MINUTE	R.H.	RIGHT HAND	W/O	WITHOUT
C.M.U.	CONCRETE MASONRY UNIT	GL.BLK.	GLASS BLOCK	MISC.	MISCELLANEOUS	R.D.	ROOF DRAIN	WD.	WOOD
CONST.	CONSTRUCTION	GR.	GRADE, GRADING	MT.	MOUNT(ED)(ING)	RDL.	ROOF DRAIN LEADER (INT)	W.P.	WORKING POINT
CONST.JT.	CONSTRUCTION JOINT	G.W.B.	GYPSUM WALL BOARD	MULL.	MULLION				
CONT.	CONTINUOUS								
C.JT.	CONTROL JOINT								

SYMBOLS:

	REVISION NUMBER		BUILDING SECTION REFERENCE DRAWING NO.		SINGLE ELEVATION NO. REFERENCE DRAWING NO.		DETAIL NO. SHEET NO.		DRAWING TITLE INDICATOR
	WINDOW TYPE		CENTERLINE/PROPERTY LINE		DEMO/OVERHEAD/BEYOND		EXISTING WALL NO WORK		
	PARTITION TYPE								
	DOOR TYPE								

MATERIALS LEGEND:

(UNLESS NOTED OTHERWISE ON DRAWINGS)

	MASONRY		CONTINUOUS WOOD BLOCKING		SANDSTONE
	MORTAR, PLASTER OR GYPSUM AS INDICATED ON DRAWINGS		DISCONTINUOUS WOOD BLOCKING		STONE/RUBBLE WALL BACKUP
	CONCRETE		PLYWOOD		CONCRETE MASONRY UNITS
	STEEL		WATERPROOF MEMBRANE		HATCHING INDICATES REMOVALS
	MTL CLADDING (HORIZ CORRUG)		SHEET METAL		
	BRICK		RIGID INSULATION		
			LIMESTONE		
			FLOOR GRATING		

GENERAL NOTES

- OWNERSHIP AND USE OF DOCUMENTS: THIS IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE COMMONWEALTH OF PENNSYLVANIA WHETHER THE PROJECT FOR WHICH IT IS MADE IS EXECUTED OR NOT. NO CHANGES, ALTERATIONS, ADDITIONS OR DELETIONS MAY BE MADE HERE TO EXCEPT BY THE PROFESSIONAL AND SHALL NOT BE USED OR REPRODUCED BY ANYONE ON OTHER PROJECTS. FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS WITHOUT EXPRESSED WRITTEN CONSENT OF THE COMMONWEALTH OF PENNSYLVANIA. SUBMISSION OR DISTRIBUTION TO MEET REGULATORY REQUIREMENTS OR FOR PURPOSES IN CONNECTION WITH THIS PROJECT IS NOT TO BE CONSTRUED AS PUBLICATION IN DEROGATION OF THE RIGHTS OF THE COMMONWEALTH OF PENNSYLVANIA. © COPYRIGHT 2022
- ANY SUBSTITUTION OF MATERIAL FROM WHAT IS SPECIFIED ON THESE DRAWINGS OR SPECIFICATIONS BE IT STRUCTURAL OR FINISHES SHALL NOT BE MADE WITHOUT WRITTEN PERMISSION OF THE PROFESSIONAL. ANY DEVIATIONS FROM THESE DRAWINGS WILL VOID ANY LIABILITY OR RESPONSIBILITY OF THE PROFESSIONAL FOR THE INTEGRITY OF THE NEW STRUCTURE, ADDITIONS AND RENOVATIONS AS DELINEATED ON THESE DRAWINGS.
- THE 1 CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AT THE PROJECT LOCATION INCLUDING THE EXISTING STRUCTURE(S), AND SHALL BE RESPONSIBLE TO INFORM THE PROFESSIONAL OF IT. ANY DEVIATION OF THE EXISTING CONDITIONS SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS EXISTING AT THE PROJECT LOCATION, AND ANY ERRORS OR OMISSIONS DISCOVERED SHALL BE REPORTED TO THE PROFESSIONAL IN WRITING A MINIMUM OF 1 DAYS PRIOR TO STARTING OR CONTINUING WORK. THE CONTRACTOR SHALL REVIEW THESE DRAWINGS AND BRING FORWARD QUESTIONS AND REQUESTS FOR CHANGES PRIOR TO THE COMMENCEMENT OF WORK.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING APPLICABLE CODES AND STANDARDS AS ADOPTED AND AMENDED BY THE LOCAL DEPARTMENT OF CODE ENFORCEMENT:  
ADDITIONALLY, ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF LOCAL ZONING, OSHA, AND ALL OTHER APPLICABLE CODES.
- THE BUILDING CODE OFFICER SHALL REVIEW THESE DRAWINGS AND ANY DISCREPANCIES FOUND OR MISINTERPRETATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROFESSIONAL PRIOR TO THE COMMENCEMENT OF ANY WORK WITH REGARDS TO THIS PROJECT.
- ALL WORK, MATERIALS AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL ORDINANCES, STATE AND LOCAL BUILDING CODES, LATEST EDITION, AND FOLLOW APPLICABLE DGS REQUIREMENTS.
- DESIGN LOADS: LOADS AND CODE RESTRICTIONS FOR ALL DESIGN CONSIDERATIONS SHALL CONFORM TO THE LOCAL AND STATE CODES, AND ALL GOVERNING CODES.
- WHERE EXISTING CONDITIONS CONFLICT WITH DIMENSIONS GIVEN ON THE DRAWINGS, EXISTING CONDITIONS SHALL GOVERN EXCEPT THAT INDICATED SIZE OF STRUCTURAL MEMBERS SHALL NOT BE REDUCED. HOLD INDICATED DIMENSIONS. RESOLVE ANY DISCREPANCIES WITH THE PROFESSIONAL BEFORE BEGINNING OR CONTINUING ANY CONSTRUCTION IN THE AREA OF CONCERN. DO NOT SCALE DRAWINGS.
- MAINTAIN THE SITE IN AN ORDERLY, CLEAN AND SAFE CONDITION. PROMPTLY REMOVE ALL TOOLS, EQUIPMENT AND EXCESS MATERIALS. INTERIOR SPACES SHALL BE CLEAN AND VACUUMED.
- DETAILS SHOWN IN ANY SECTION APPLY TO ALL SIMILAR SECTIONS UNLESS OTHERWISE NOTED.
- 1 CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT ALL WORK IN PROGRESS UNTIL THE CONSTRUCTION IS COMPLETED.
- CONTRACT DRAWINGS ARE NOT INTENDED TO REPRESENT EXACT CONDITIONS OR DIMENSIONS. FIELD DIMENSIONS ARE THE RESPONSIBILITY OF THE 1 CONTRACTOR FOR ALL PHASES, INCLUDING BIDDING, FABRICATION, COORDINATION, & CONSTRUCTION. 1 CONTRACTOR IS TO VERIFY ALL CONDITIONS & NOTIFY PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF THAT PORTION OF WORK.
- 1 CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION IS IN COMPLETE COMPLIANCE WITH ALL CONSTRUCTION REQUIREMENTS OF GOVERNING BUILDING CODES AND REGULATIONS, INCLUDING-BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE.
- "PROVIDE" MEANS TO FURNISH/SUPPLY AND INSTALL: AS IN "CONTRACTOR PROVIDED" IN SOME CASES CLIENT WILL PROVIDE. AND IN OTHER CASES MATERIAL OR FIXTURES WILL BE FURNISHED BY CLIENT AND INSTALLED BY CONTRACTOR.
- 1 CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A SAFE AND CLEAN WORK ENVIRONMENT AT ALL TIMES DURING CONSTRUCTION. 1 CONTRACTOR IS RESPONSIBLE FOR THE SAFE AND LEGAL DISPOSAL OF ALL CONSTRUCTION DEBRIS, INCLUDING ALL SOLID AND LIQUID WASTE.

SITE CONSTRUCTION NOTES

- ADJACENT SPACES MUST BE KEPT FREE OF DUST AND DEBRIS DUE TO CONSTRUCTION.
- DEMOLITION SHALL ALSO INCLUDE THE REMOVAL AND DISPOSITION OF DEMOLISHED MATERIALS, DEBRIS, AND DIRT AND OTHER EXCAVATED MATERIALS, THE REMOVAL OF WHICH WILL BE NECESSARY FOR THE PROPER PROSECUTION OF THE WORK.
- ALL REMOVALS SHALL REMAIN IN THE POSSESSION OF CLIENT AGENCY UNLESS, AT HIS/HER DISCRETION, THEY ARE CLASSIFIED AS DEBRIS IN WHICH CASE THEY SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- BURNING OF NON-SALVABLE MATERIALS AND DEBRIS ON THE SITE WILL NOT BE PERMITTED.
- CONDUCT DEMOLITION AND REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE TO THE CLIENT AGENCY.
- ENSURE THE SAFE PASSAGE OF PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT INJURY TO ADJACENT FACILITIES AND PERSONS.
- PROMPTLY REPAIR ALL DAMAGE TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT NO COST TO THE CLIENT AGENCY.
- PROVIDE POLLUTION CONTROLS USING TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST PRACTICAL LIMIT. DO NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS.
- MAINTAIN EXISTING UTILITIES OUTSIDE WORK AREA; KEEP IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES EXCEPT WHEN AUTHORIZED BY THE CLIENT AGENCY.
- THE 1 CONTRACTOR SHALL PROVIDE TEMPORARY WEATHER-TIGHT ENCLOSURES WHENEVER THE WALLS OR ROOF ARE OPEN TO THE ELEMENTS AS A RESULT OF THE WORK. SUCH ENCLOSURES SHALL BE TIGHTLY CLOSED AT THE END OF THE DAY'S WORK TO PROTECT NEW WORK AND EXISTING CONDITIONS, AND TO PROVIDE SECURITY TO THE PREMISES.
- CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION OPERATIONS.
- CUT AND PATCH EXISTING STRUCTURES AND SURFACES AS REQUIRED FOR THE INSTALLATION OF NEW WORK. THE 1 CONTRACTOR SHALL EXERCISE PROPER CARE AND SHALL NOT ENDANGER THE STRUCTURE BY INDISCRIMINATE CUTTING.
- PATCHING SHALL BE DONE BY WORKERS SKILLED IN THEIR RESPECTIVE TRADES. MATERIALS USED FOR PATCHING SHALL BE COMPATIBLE WITH EXISTING CONSTRUCTION.
- THE 1 CONTRACTOR(S) WILL NOT BE PERMITTED TO START DEMOLITION UNTIL ALL NECESSARY MATERIALS, HARDWARE, AND ACCESSORIES HAVE BEEN OBTAINED AND ARE AVAILABLE FOR INSTALLATION. AT THE DISCRETION OF THE CLIENT AGENCY, THE CONTRACTOR MAY STORE MATERIALS, ETC. IN A SECURE PLACE ON THE PREMISES.
- ANY OF THE EXISTING CONSTRUCTION REMOVED BY THE 1 CONTRACTOR TO FACILITATE HIS/HER OR ANY OTHER WORK MUST BE REPLACED WITH SAME AND RESTORED TO ORIGINAL CONDITION.
- 1 CONTRACTOR TO REMOVE TREE AS IDENTIFIED ON PLAN H-16.

SEQUENCE OF CONSTRUCTION

- ALL SEQUENCING NOTES SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. WORK SHALL BE SEQUENCED TO RELOCATE THE TRAILER MOUNTED BOILER FIRST INTO THE LOCATION SHOWN FOR THE NEW BOILER AND TO COMPLETE ALL OTHER WORK POSSIBLE PRIOR TO THE DELIVERY AND INSTALLATION OF THE NEW BOILER. THE NEW BOILER SHALL BE INSTALLED IN THE LOCATION SHOWN FOR THE INSTALLATION OF THE RELOCATED TRAILER MOUNTED BOILER.

REBID SUBMISSION  
FEBRUARY 26, 2024

RECORD REVISIONS			
ARRIS ENGINEERING GROUP, LTD. 667 SOUTH RIVER STREET PLAINS, PENNSYLVANIA			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES HARRISBURG, PENNSYLVANIA			
D.G.S. PROJECT No. C-0304-0015 PHASE 2			
ELIZABETHTOWN TRAINING ACADEMY - RENOVATE BOILER PLANT AND DOMESTIC / FIRE PROTECTION PIPING			
DEPARTMENT OF GENERAL SERVICES ELIZABETHTOWN, LANCASTER COUNTY, PA			
GENERAL SYMBOLS, NOTES AND ABBREVIATIONS			
A-1			

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 PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.		DRAWN BY VS	DATE FEB 2024
		CHECKED BY MB	SCALE AS NOTED
		DRAWING No. A-1	