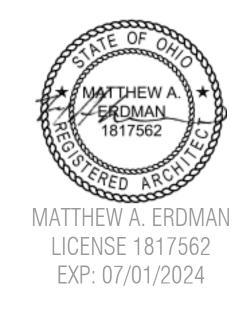


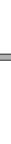
PARK RESTROOM BUILDING



HANOVER TOWNSHIP PARK RESTROOM

2592 OLD OXFORD RD HAMILTON, OH 45013





PROJECT #23020

HANOVER TOWNSHIP PARK RESTROOM

REVISION #2 - 03/29/2024

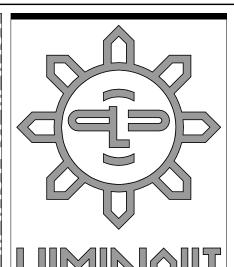
REVISION #1 - 11/03/2023 BID/PERMIT SET - 09/20/2023



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	eviations & Defi	nitions		Abbrevi	iations & De	finitions		Overall Project Construction Notes		ork and Code Analysis	Drawing Index	
CONFLICT OC		CEDENCE OVER THE FO	DLLOWING ON OTHER OTIFY THE ARCHITECT, FOR	R.O.W. RAD RD or R.D. REF	RIGHT OF WAY RADIUS OR RADIATOR ROOF DRAIN REFRIGERATOR	T.O.W. T/O TBD TEL	TOP OF WALL TOP OF TO BE DETERMINED TELEPHONE	THE 2015 EDITION OF THE OHIO BUILDING CODE SHALL BE CONSIDERED AS PART OF THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE OF CONSTRUCTION WITH APPLICABLE CODES AND REGULATIONS AND ALL AUTHORITIES HAVING JURISDICTION. 2. REFERENCES ON THIS PROJECT TO "OWNER", "OWNER'S REPRESENTATIVE", OR ANY COMBINATION THEREOF, WITHIN	PROJECT DESCRIPTION:	PROJECT: MEMORIAL PARK RESTROOM BLDG, PUBLIC ADA ACCESSIBLE RESTROOM BUILDING WITH SMALL MAINTANCE STORAGE FACILITY FOR LAWN EQUIPMENT.	SHEET DESCRIPTION C20/50/2023 C20/50/20/2023 C20/50/2024 C20/50/	
A/C AB ABV ACC	AIR CONDITIONING ANCHOR BOLT ABOVE ACCESSIBLE	FT FTG FURN FV or F.V.	FEET/FOOT FOOTING FURNACE OR FURNITURE FIELD VERIFY	REFER REINF REQ'D REV	REFERENCE / REFER TO REINFORCE/REINFORCING REQUIRED REVISION / REVISED	TEMP. THK THRU	TEMPORARY OR TEMPERED THICK THROUGH	THESE CONSTRUCTION DRAWINGS SHALL REFER TO THE OWNER'S CONSTRUCTION PROJECT MANAGER. 3. THE GENERAL CONTRACTOR SHALL COORDINATE DEMOLITION AND CONSTRUCTION WORK WITH THE OWNER'S REPRESENTATIVE FOR WORK TIMES AND MEANS + METHODS TO MINIMIZE IMPACT TO PROPERTY AND IT'S	APPLICABLE CODE:	2017 OHIO BUILDING CODE (2015 IBC WITH AMENDMENTS) 2017 OHIO MECHANICAL CODE (2015 INTERNATIONAL MECHANICAL CODE) 2017 NATIONAL ELECTRICAL CODE (2017 NFPA 70) 2017 OHIO PLUMBING CODE (2015 INTERNATIONAL PLUMBING CODE)	BID/PERMIT REV. 1 - 11, REV. 2 - 03	
ACM ACT ADA	ALUMINUM COMPOSITE MATERIAL ACOUSTICAL CEILING TILE AMERICANS WITH	G.B. or GYP GA GALV	GYPSUM BOARD GAUGE GALVANIZED	RL or R.L. RM RO or R.O.	RAIN LEADER ROOM ROUGH OPENING	TME TV TYP	TO MATCH EXISTING TELEVISION TYPICAL	OPERATIONS. THIS COORDINATION IS VERY CRITICAL TO THE SATISFACTORY COMPLETION OF THIS PROJECT. THEREFORE THE CONTRACTOR MUST ENSURE THAT THEY HAVE A THOROUGH UNDERSTANDING OF THE APPROPRIATE WINDOW FOR WORK HOURS, AND THEIR EXPECTED RESPONSIBILITIES. CONTRACTOR SHALL GENERATE A CONSTRUCTION / DEMOLITION PHASING PLAN FOR REVIEW BY THE OWNER TO DETERMINE THE IMPACT TO THE	ACCESSIBILITY STANDARD:	2017 OHIO FIRE CODE (2015 INTERNATIONA FIRE CODE) 2017 OHIO ENERGY CODE (2012 IECC AND ASHRAE 90.1 2010) 2017 OHIO BUILDING CODE CHAPTER 11 - ANSI / ICC A117.1 (2009)	G0.00 COVER SHEET G0.01 GENERAL PROJECT INFORMATION CIVIL	
ADJ ADJUST AFF or A.F.F.	DISABILITIES ACT ADJACENT ADJUSTABLE ABOVE FINISHED FLOOR	GB GC GFRC	GRAB BAR GENERAL CONTRACTOR GLASS FIBER REINFORCED CONCRETE	S/R SB SC	SHELF/ROD SINK BASE SOLID CORE	U.N.O.	UNLESS NOTED OTHERWISE UPPER CABINET OR UNDER COUNTER OR UNDER	PROPERTY AND IT'S OPERATIONS. 4. THE TERMS "CONTRACTOR" AND "SUB-CONTRACTOR" ARE USED INTERCHANGEABLE WITHIN THESE DRAWINGS AND ARE NOT INTENDED TO INDICATE A SPECIFIC CONTRACTUAL ARRANGEMENT BUT REFER TO A TRADE IN GENERAL OR SPECIFIC TERMS THAT WOULD BE RESPONSIBLE FOR A PARTICULAR PORTION OF THE PROJECT. THE TERMS	PERMIT APPLICATIONS:	2010 ADAAG (FEDERAL STANDARDS FOR ACCESSIBLE DESIGN) BUILDING (THIS APPLICATION) SEPTIC SYSTEM (DESIGN/BUILD BY OTHER)	C0.00 SITE PLAN ARCHITECTURE A1.01 MEMORIAL PARK RESTROOM BLDG. A1.02 MEMORIAL PARK RESTROOM SECTIONS	K
AL or ALUM. ALT APC	ALUMINUM ALTERNATIVE ACOUSTICAL PANEL CEILING (EXPOSED	GFRG GL or GLAZ	GLASS FIBER REINFORCED GYPSUM GLASS OR GLAZING	SCHED SCWD SECT SF or S.F.	SCHEDULE SOLID CORE WOOD DOOR SECTION SQUARE FEET/SQUARE	UL	COUNTER OR UNDER CABINET UNDERWRITERS LABORATORIES	"CONTRACTOR", "GENERAL CONTRACTOR" & "G.C." ARE ALSO USED INTERCHANGEABLY WITHIN THESE DOCUMENTS. 5. THESE DRAWINGS ARE PREPARED FOR THE PURPOSES OF CONSTRUCTION ONLY. THESE DRAWINGS ARE NOT TO BE USED FOR MAINTENANCE PURPOSES UNLESS IDENTIFIED AS "RECORD DRAWINGS", AS ACTUAL CONDITIONS MAY VARY	USE GROUP: ONSTRUCTION TYPE:	U, (UTILITY) - PARK RESTROOM BUILDING IIB - RESTROOM BUILDING	A1.02 MEMORIAL PARK BESTROOM SECTIONS A1.03 3D VIEWS MECHANICAL M001 MECHANICAL COVER SHEET	Z
APPROX ARCH	SUSPENSION SYSTEM) APPROXIMATE ARCHITECT(URAL)	GMG GWB	GLASS-MAT GYPSUM SHEATHING GYPSUM WALL BOARD	SHLV SHT	FOOT SHELVES SHEET SHEATHING	VB VCT	VAPOR BARRIER OR VINYL BASE VINYL COMPOSITION TILE	FROM THOSE INDICATED ON THESE DRAWINGS DUE TO CHANGE ORDERS, ALTERATIONS BY OTHERS, FIELD CONDITIONS, ETC. 6. DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS OR SPECIFIC LAYOUT DIRECTION ARE THE ONLY ACCEPTABLE	OCCUPANT LOAD:	RESTROOM BUILDING 592 SF/ 300 = 2 OCCUPANTS TOTAL OCCUPANT LOAD = 2 OCCUPANTS	M101 MECHANICAL PLAN ELECTRICAL E001 ELECTRICAL COVER SHEET E200 ELECTRICAL PLAN, RISER DIAGRAM AND SCHEDULES	K
ARG ASF ATC	ABUSE RESISTANT GYPSUM ABOVE SUBFLOOR ACOUSTICAL TILE CEILING	H.B. HC HCWD	HOSE BIBB HOLLOW CORE HOLLOW CORE WOOD DOOR	SIM SOG SPEC	SHEATHING SIMILAR SLAB ON GRADE SPECIFICATION	VERT VIF or V.I.F. VR	VERTICAL VERIFY IN FIELD VAPOR RETARDER	MEANS OF LOCATION. 7. ALL DIMENSIONS ARE TO FINISH FACE OF GYPSUM BOARD AND/OR INDICATED MATERIAL, CENTERLINE OF COLUMNS, FACE OF CONCRETE, EDGE OF SLAB OR EDGE OF OPENING (U.N.O.).	FIRE PROTECTION: FIRE ALARM SYSTEM:	NOT SPRINKLED NOT REQUIRED	E200 ELECTRICAL PLAN, RISER DIAGRAM AND SCHEDULES •	K
AV AVG	(CONCEALED SUSPENSION SYSTEM) AUDIO/VISUAL AVERAGE	HDW HDWD HGT or HT.	HARDWARE HARDWOOD HEIGHT HOLLOW METAL	SQ SS or S.S.	SQUARE STAINLESS STEEL OR SOLID SURFACE STAIN/STAINED	W W.C. W.F.	WASHER WATER CLOSET WIDE FLANGE	8. THE GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR WORK WITH ADJACENT TRADES AND WITH THE WORK BEING COMPLETED PRIOR TO, AND AFTER THEIR WORK. COORDINATION SHALL ALSO INCLUDE THE OWNER'S REPRESENTATIVE.	HEIGHT & AREA:	ALLOWABLE HEIGHT / STORIES (TABLE 504.3, 504.4): 55 FEET / 2 STORIES ALLOWABLE AREA (TABLE 506.2): 8,500 SF	P101 PLUMBING PLANS P601 PLUMBING SCHEDULES • • • • • • • • • • • • • • • • • • •	
B/O BB BD	BOTTOM OF BLIND BASE BOARD	HMD HORIZ HR	HOLLOW METAL DOOR HORIZONTAL HOUR	STC STD STL	SOUND TRANSMISSION CLASS STANDARD STEEL	W.V. W.W.F. W.W.M.	WATERPROOF WATER VALVE WELDED WIRE FABRIC WELDED WIRE MESH	9. THE GENERAL CONTRACTOR IS RESPONSIBLE TO EXECUTE THE DESIGN INTENT FOR ALL WORK INDICATED, OR INFERRED, WITHIN THESE CONSTRUCTION DOCUMENTS UNLESS SPECIFICALLY NOTED "BY OTHERS" AND/OR "N.I.C." IN ADDITION, THE GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING, AND SCHEDULING ALL CONSTRUCTION RELATED WORK, IDENTIFIED OR OTHERWISE, WITHIN THESE DOCUMENTS.	REQUIRED FIRE RESISTANCE (TABL	ACTUAL HEIGHT AND AREA OF PROJECT: 1-STORY, 670 SF LE 601): STRUCTURAL FRAME: 0 HR] 1
BLDG BLKG BM	BUILDING BLOCKING BEAM BOTTOM	HRDW HSS HT HTG	HARDWARE HOLLOW STEEL SECTION HEIGHT HEATING	STL/STL STOR STRUCT	STAINLESS STEEL STORAGE STRUCTURAL	W/ W/O WD WH	WITH WITHOUT WOOD WATER HEATER	AND SCHEDULING ALL CONSTRUCTION RELATED WORK, IDENTIFIED OR OTHERWISE, WITHIN THESE DOCUMENTS. COORDINATION SHALL INCLUDE WORK SPECIFICALLY IDENTIFIED AS: "BY OTHERS" AND/OR "N.I.C". 10. CONTRACTORS SHALL ADHERE TO ALL DESIGN CRITERIA INCLUDED WITHIN THE CONSTRUCTION DOCUMENTS UNLESS SPECIFICALLY MODIFIED BY AN ADDENDUM. BULLETIN. OR FIELD SKETCH AS ISSUED BY THE ARCHITECT. INTERIOR		BEARING WALLS EXTERIOR: 2 HR INTERIOR: 0 HR NON-BEARING WALLS: 0 HR	Project Team Owner Client Name	
BRG BS	BEARING BACKSPLASH	HVAC HW HWD	HEATING/VENTILATION/AIR CONDITIONING HOT WATER HARDWOOD	SW	SUSPENDED SWITCH TREAD OR THICK	WIC WIF WIN	WALK-IN CLOSET OR WALK-IN COOLER WALK-IN FREEZER WINDOW	DESIGNER OR ENGINEER(S). 11. EACH CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR, WHO SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR INTERIOR DESIGNER WHEN DISCREPANCIES ARE FOUND WITHIN THE CONSTRUCTION DOCUMENTS OR WHEN		FLOOR: 0 HR ROOF: 0 HR	2595 Old Oxford Road Hamilton, OH 45013 www.hanovertownshipohio.org ATTN: Bruce Henry, 513.896.9059 **Architect / Interior Designer** LUMINAUT**	H
C.F. C.O. CA	COMMUNICATION FEATURES CASED OPENING CARPET	ID IIC	INSIDE DIAMETER IMPACT INSULATION CLASS INCH	T&G T.O.C. T.O.F. T.O.M.	TONGUE AND GROOVE TOP OF CONCRETE TOP OF FOOTING TOP OF MASONRY	WSCT. WT.	WAINSCOT WEIGHT YARD	DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING CONDITIONS ARE IDENTIFIED. 12. ALL EXISTING CONDITIONS SHOWN IN THESE DRAWINGS WERE PREPARED FROM EXISTING DOCUMENTS, ON-SITE MEASUREMENTS AND OBSERVATIONS. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING	CONTINUITY OF RATINGS:	THE CONTINUITY AND INTEGRITY OF ALL FIRE RESISTANCE RATED ASSEMBLIES SHALL BE MAINTAINED IN COMPLIANCE WITH IBC CHAPTER 7 AND ASSOCIATED ASTM, NFPA, AND UL REQUIREMENTS. PENETRATIONS, JOINTS AND ANNULAR SPACE SHALL RECEIVE SLEEVES, COLLARS,	1100 Sycamore Street, Suite 200 ATTN: Bryan Goodwin, Cincinnati, OH 45202 702 N. Capitol Avenue Indianapolis, IN 46204 www.luminaut.com Cin. Ph: 513.984.1070 - Indy. Ph: 317.636.3980	
CATV CFMF CIRC	CABLE TELEVISION COLD FORMED METAL FRAMING CIRCLE/CIRCULAR	INCL INFO INSUL	INCLUDING INFORMATION INSULATION	T.O.S.	TOP OF STEEL			DIMENSIONS, CONDITIONS, CONSTRUCTION, MATERIALS, DETAILS, ETC. BY OBSERVATION, INVESTIGATION AND THROUGH MEASUREMENTS TAKEN AT THE JOB SITE. THEY SHALL TAKE ANY AND ALL MEASUREMENTS NECESSARY TO VERIFY THE EXISTING CONDITIONS AGAINST DRAWINGS SO AS TO PERFORM THEIR WORK PROPERLY PRIOR TO THE PREPARATION OF SHOP DRAWINGS, FABRICATION/ORDERING OF MATERIALS, OR ACTUAL CONSTRUCTION OF THE PROJECT. THE CONTRACTOR ALONE IS RESPONSIBLE FOR THE PROPER CONNECTION AND INSTALLATION OF	MEANS OF EGRESS:	SEALANT/PUTTY, FIRE DAMPERS, AND FIRE RATED DOORS OR ACCESS PANELS. TRAVEL DISTANCE, MAXIMUM ALLOWED: 250' (PER TABLE 1017.2) TRAVEL DISTANCE, ACTUAL MAXIMUM: 25'-0" - COMPLIES	Civil Consultant 8111 Cheviot Road, Suite 200 Cincinnati, OH 45247	
G CJ or C.J. CL CLG or CLNO	CONTROL JOINT CENTERLINE G CEILING CLOSET	INI IRG	INTERIOR IMPACT RESISTANT GYPSUM		Project Den			MATERIALS AND EQUIPMENT. 13. ALL EXISTING SITE CONDITIONS SHALL BE VERIFIED, SURVEYED AND IDENTIFIED PRIOR TO STARTING ANY WORK. ALL UTILITIES SUPPLYING ADJACENT BUILDINGS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. ANY		COMMON PATH OF TRAVEL: COMMON PATH OF TRAVEL: COMMON PATH OF TRAVEL, ACTUAL MAX: MINIMUM AISLE WIDTH: COMMON PATH OF TRAVEL, ACTUAL MAX: MINIMUM AISLE WIDTH: 1029.9.1.4	www.abercrombie-associates.com ATTN: Josh Tolchinsky, 513.385 5757 MEP Sometimes of the consultant o	0
CLR CMU COL COMP	CLEAR CONCRETE MASONRY UNIT COLUMN COMPACT(ED)	JAN JC or J.C. JST JT or JNT	JANITOR (IAL) JANITOR'S CLOSET JOIST JOINT	NEWLY DESIGNED CONSTRUCTION, NEW CONSTRUCT	HE DEMOLITION IS TO FULLY EXPOSE A D ELEMENTS. EXPOSE AND CAREFUL AND REMOVE ALL SUCH MATERIALS I TION (UNLESS OTHERWISE NOTED). D	LY REMOVE THE INDICATED FROM THE PROJECT AREA DEMOLITION SHALL NOT BE	D AREAS OF THE EXISTING BUILDING TO PREPARE THE SPACE FOR THE LIMITED SOLELY TO THOSE ITEMS	REQMT. FOR TEMPORARY DISCONNECTION OF ANY UTILITY SHALL BE FIRST REVIEWED & APPROVED BY OWNER & LOCAL CODE AUTHORITY. 14. EACH CONTRACTOR SHALL REFER TO ALL EXISTING DOCUMENTATION DESCRIBING THE ORIGINAL CONSTRUCTION.	PLUMBING FIXTURES:	NUMBER OF FIXTURES PROVIDED - PER OBC TABLE 2902.1 (1) WATER CLOSET REQUIRED PER EACH TOILET ROOM - 2 PROVIDED	www.pe-services.com ATTN: Craig Slaughterbeck, 513.836.3810	ľ
CONC CONST CONT	CONCRETE CONSTRUCTION CONTINUOUS	KIT L	KITCHEN LONG/LENGTH	CONSTRUCTION N 3. REMOVE FROM TI	IN THE DEMOLITION DRAWING(S) BUT NECESSARY TO EXECUTE THE NEW CO THE SITE AND LEGALLY DISPOSE OF AL M DEMOLITION OPERATIONS. DEBRIS	INSTRUCTION. L REFUSE, DEBRIS, RUBBIS	SH AND OTHER MATERIALS	WHERE THEY EXIST, UTILIZE "RECORD" OR "AS-BUILT" DRAWINGS OVER LIKE DOCUMENTATION WITHOUT SUCH LABELS. CONTRACTOR SHALL ASSUME ALL DOCUMENTATION NOT LABELED "RECORD" OR "AS-BUILT" IS NOT FULLY ACCURATE AND SHALL PROCEED WITH THEIR WORK ONLY AFTER A THROUGH REVIEW OF THE BUILT CONDITION. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND INTERIOR DESIGNER ALL DISCREPANCIES BETWEEN THE DRAWINGS AND THE BUILT CONDITIONS PRIOR TO ANY PERFORMING ANY WORK.		(1 PER 40 FEMALE) (1) WATER CLOSET REQUIRED PER EACH TOILET ROOM - 1 TOILET PROVIDED & 1 URINAL PROVIDED (1 PER 40 MALE)	Vicinity Map Hanover Winery (2) 22	
CORR - CPT CSMU	CORRIDOR CARPET CALCIUM SILICATE MASONRY UNIT	LAM LAV LB or LBS.	LAMINATE LAVATORY POUND LIGHT GAUGE METAL	INTERFERE WITH SAFETY HAZARD,	THE DEMOLITION/CONSTRUCTION WC OR EXCEED THE STRUCTURAL LOAD TRICTIONS ON ADJACENT RIGHTS OF	ORK OR THE NORMAL OPER CAPABILITIES OF THE BUILI	RATIONS OF THE FACILITY, BECOME A DING. COORDINATE REMOVAL WITH	15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, AND INSPECTIONS BY AUTHORITIES OF JURISDICTION REQUIRED FOR THE EXECUTION OF THE WORK, U.N.O.		(1) LAVATORY REQUIRED PER EACH TOILET ROOM - 2 PROVIDED (1 PER 75 MALE AND FEMALE)	Anacker B	F
CT CW	CERAMIC TILE CURTAINWALL CLOTHES DRYER	LL LLV	FRAMING LIVE LOAD LONG LEG VERTICAL	IN A PROTECTED 5. COORDINATE ALL	LVAGE ANY ITEMS SPECIFICALLY IDEN LOCATION ON SITE, OR IF DIRECTED F L DEMOLITION ACTIVITY WITH OWNER	PROVIDE LOCAL OFF SITE S S REPRESENTATIVE AND B	STORAGE AND LOCAL REDELIVERY.	16. CONTRACTOR SHALL DISPOSE OF ALL DEMOLITION RELATED DEBRIS IN A SAFE AND LEGAL MANNER. 17. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THEIR WORK DURING FABRICATION, TRANSIT, STORAGE, INSTALLATION, AND UNTIL FINAL OWNER ACCEPTANCE. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR	INTERIOR FINISHES:	(1) DRINKING FOUNTAIN REQUIRED - 2 PROVIDED, HIGH/LOW ALL FLOOR AND WALL FINISHES TO COMPLY WITH NFPA 253 AND ASTM E 84. MINIMUM CLASS OF FINISHES PER TABLE 803.11 SHALL BE:	Morman	
DAFS DBI	DIRECT APPLIED FINISH SYSTEM DRAWER BASE DOUBLE	M.H.	LAMINATED VENEER LUMBER MAN HOLE	6. CONTRACTOR(S) GOVERNING AUTH	S TO LOCATION AS SPECIFIED BY OWN SHALL COMPLY WITH ALL APPLICABL HORITIES HAVING JURISDICTION. ADH ERTY, AND ENVIRONMENTAL PROTECT	E LOCAL, STATE AND, FED ERE TO REGULATIONS PER		SHALL CLEAN ALL WORK AREAS AS WELL AS REPAIR AND REFINISH ANY DAMAGE TO THE SATISFACTION OF THE ARCHITECT, DESIGNER AND THE OWNER AS PART OF THE BASE CONTRACT. 18. ALL CONSTRUCTION ELEMENTS SHALL BE INSTALLED PER THE CONSTRUCTION DOCUMENTS AND THE		EXIT ENCLOSURES & PASSAGEWAYS B CORRIDORS B ROOMS & ENCLOSED SPACES C	Grandview Farm PROJECT SITE	
DEPT DET/DTL DF or D.F.	DEPARTMENT DETAIL DRINKING FOUNTAIN	M.R. MAG MAS MAT'L	MOISTURE RESISTANT MAGNETIC MASONRY MATERIAL	7. CONTRACTOR(S) UNCLEAR. IN SU	,	MOVING CONSTRUCTION W MOVE THE NECESSARY CO		MANUFACTURER'S STANDARD RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS. WHERE ADDITIONAL U.L., ASTM, TRADE GUILD, AND/OR TRADE ASSOCIATION INFORMATION IS REFERENCED IN THESE DOCUMENTS OR MANUFACTURER'S DOCUMENTATION, THOSE REQUIREMENTS SHALL ALSO BE ADHERED TO. 19. THE ARCHITECT HAS ENDEAVORED TO ENSURE CODE COMPLIANCE BUT IT IS STILL THE RESPONSIBILITY OF THE	OWNER RESPONSIBILITY: DEFERRED SUBMITTAL:	FF&E ARE AN OWNER RESPONSIBILITY LIGHING IS AN OWNER RESPONSIBILITY SEPTIC IS A DEFERRED SUBMITTAL; SCS ENGINEERS, DANIEL BRENNAN,	Hanover Township, Fark	
DIM DISP	DIAMETER DIMENSION DISPENSER OR GARBAGE DISPOSAL	MAX MDF MDO	MAXIMUM MEDIUM DENSITY FIBERBOARD MEDIUM DENSITY OVERLAY	ELEMENTS MAY, THE CONCERN IS CONTRACTOR SH SHALL PROVIDE E	OR WILL, CREATE AN UNSTABLE, OR IT REVIEWED BY THE GENERAL CONTRAFIALL CEASE OPERATIONS IF THE SAFE BRACING/SHORING TO STABILIZE STRI	UNSAFE, CONDITION, DO NO NCTOR AND ARCHITECT. AT TY OF THE STRUCTURE APP UCTURE. CONTACT THE GE	OT PROCEED WITH DEMOLITION UNTIL T ANY TIME DURING DEMOLITION, PEARS TO BE ENDANGERED, THEY ENERAL CONTRACTOR AND ARCHITECT	GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR TO ENSURE THAT THEIR WORK IS INSTALLED CORRECTLY AND THAT IT MEETS THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES, AND ANY JURISDICTION HAVING AUTHORITY. THE CONTRACTOR SHALL OBTAIN APPROVAL AND INSPECTIONS OF THE GOVERNING AUTHORITIES.	DETERMINE GODWITTE.	DBRENNAN@SCSENGINEERS COM, 513.826.4174	Hanover Township	
DIV DN DP DR	DIVISION DOWN DEEP/DEPTH DOOR	MECH MEP MFR or MFG	MECHANICAL MECHANICAL/ ELECTRICAL/PLUMBING MANUFACTURER	IMMEDIATELY TO RESTORED.) DETERMINE AN APPROPRIATE DIREC	TION. DO NOT RESUME NO	ORMAL OPERATIONS UNTIL SAFETY IS	20. IT IS THE INTENTION OF THE NOTES AND KEYNOTES LOCATED WITHIN THIS DRAWING SET TO IDENTIFY CONSTRUCTION ELEMENTS, NOT NECESSARILY DESCRIBE ENTIRE ASSEMBLIES OR PROCESSES. THE INSTALLATION OF SAID ELEMENT SHOULD INCLUDE ALL ASSOCIATED CONSTRUCTION NECESSARY TO ACHIEVE INSTALLATION AND OPERATION (USE) OF SAID ITEM.		mbols Legend	Hanover Township Golden Years Nursing Center	
DRN DRW DS or D.S. DW	DRAIN DRAWER DOWNSPOUT DISHWASHER	MI MIN MISC	MIRROR IMAGE MINIMUM MISCELLANEOUS MASONRY OPENING					21. PROVIDE DRYWALL TRIM AT ALL EXPOSED EDGES & OUTSIDE CORNERS OF GYPSUM WALLBOARD CONSTRUCTION. J BEAD OR OTHER NON-DRYWALL COMPOUND EMBEDDED TRIM PIECES ARE PROHIBITED (U.N.O.). 22. ALL FRAMING LUMBER, WOOD NAILERS, BLOCKING, RAISED PLATFORM FRAMING, PLYWOOD, OTHER CONCEALED	STRL	JCTURAL GRID ROOM NAME ROOM IDENTIFICATION	Old Oxford Rd	
DWG	DRAWING EACH EXTERIOR INSULATION	MTD MTL MULL	MOUNTED METAL MULLION					WOOD MATERIALS WHERE DETAILED, OR REQUIRED, FOR THE ATTACHMENT OF FINISHED MATERIALS SHALL BE TREATED WITH FIRE-RETARDANT (F.R.T.) CHEMICALS IN ACCORDANCE WITH ASTM E84. THE MATERIAL SHALL BEAR THE IDENTIFICATION OF AN AUTHORITATIVE TESTING OR INSPECTION AGENCY ACCEPTABLE TO THE GOVERNING AGENCY WITH THE PERFORMANCE RATING THEREOF. NO F.R.T. WOOD SHALL BE INSTALLED WITHIN A 3HR. (OR		101 ROOM IDENTIFICATION WINDOW IDENTIFICATION	Hamilton est (Wab Falm)	
EJ or E.J.	FINISH SYSTEM EXPANSION JOINT ELEVATION ELECTRIC	MW or MWO MWO N/A	MICROWAVE OVEN MICROWAVE OVEN NOT APPLICABLE					GREATER) RATED WALL, IN A RETURN AIR PLENUM OR BE EXPOSED AND ABOVE SPRINKLER COVERAGE. 23. EXCEPT WHERE THE CONSTRUCTION DOCUMENTS AND/OR CODE REGULATIONS INCLUDE MORE STRINGENT REQUIREMENTS, ALL WORK SHALL BE DONE TO MEET OR EXCEED THE STANDARDS OF THE CONSTRUCTION	A101	TION REFERENCE DOOR IDENTIFICATION TION REFERENCE	Location Map]
ELEC ELECT ELEV C EMERG.	ELECTRIC ELEVATOR OR ELEVATION EMERGENCY	NIC or N.I.C. NO NOM NTS or N.T.S.	NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE					PRACTICES FOR EACH TRADE. 24. ALL WORK AND FINAL FINISHED PRODUCTS SHALL BE COMPLETE IN EVERY RESPECT TO THE SATISFACTION OF THE OWNER, ARCHITECT, DESIGNER, AND ENGINEERS.	A101 (DETA	FINISH IDENTIFICATION FURNITURE	n Rd	
Restroom A222 B EQUIP	ENGINEER EQUAL EQUIPMENT EACH WAY	0.C. 0.D. 0/A	ON CENTER OUTSIDE DIAMETER OVERALL					25. PRIOR TO STARTING WORK CONTRACTOR SHALL DEVELOP A DETAILED CONSTRUCTION SCHEDULE FOR REVIEW AND APPROVAL BY THE OWNERS REPRESENTATIVE. SCHEDULE SHALL IDENTIFY WORK SCHEDULE WITH MILESTONE DATES, TYPICAL HOURS/DAYS OF WORK ACTIVITY, STAGING AREA AND ACCESS REQUIREMENTS AND OWNER RESPONSIBILITY REQUIREMENTS.	A101 (EXTE	ATION REFERENCE ERIOR) CEILING HEIGHT 10'-6" A CEILING TYPE CEILING IDENTIFICATION	PROJECT LOCATION	
Doker Memorial EXH EXIST EXP EXT	EXHAUST EXISTING EXPANSION EXTERIOR	0/0 0/0 0H 0PNG	OVERHEED OVERHEAD OPENING OPPOSITE					26. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF EXISTING & NEW WORK FROM VANDALISM DURING THE CONSTRUCTION PERIOD. WORK THAT HAS BEEN VANDALIZED WILL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.	X A101 X ELEV	VATION ID VATION REFERENCE REVISION CLOUD & DELTA		
EXTN FD or F.D. B FDN	EXTENSION FLOOR DRAIN FOUNDATION	OSB P.L.	OPPOSITE ORIENTED STRAND BOARD PROPERTY LINE OR PLASTIC					27. ALL FIRE PROTECTION SYSTEMS SHALL COMPLY W/ ALL APPLICABLE NFPA REQUIREMENT. AN OHIO CERTIFIED DESIGNER SHALL PREPARE DESIGN DOCUMENTS FOR ALL SYSTEMS AND ALTERATIONS AND SUBMITTED FOR REVIEW BY ARCHITECT PRIOR TO SUBMITTING APPLICATION AND DOCUMENTATION TO LOCAL CODE AUTHORITY FOR PERMIT REVIEW.	X (INTE	ERIOR ONLY) KEYNOTE	Hanover Township, Park (1) Aro _{ro} Roy Hanover Park	
FE FEC FFF	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR	PC PL or PLAM PLAS	PRECAST PLASTIC LAMINATE PLASTIC						A101 ENLA	ARGED REFERENCE WALL PARTITION TYPE REFERENCE		
FHC FIN FIXT FL or FLR	FIRE HOSE CABINET FINISH FIXTURE FLOOR	PLYWD PNL PSF	PLYWOOD PANEL POUNDS PER SQUARE FOOT						1A A101	WALL PARTITION TYPE REFERENCE (W/ MODIFIER)	Old Oxford Rd	
3/28/2024 4:21: FLR FRC	FLOOR FLOOR FIBER REINFORCED CONCRETE FIBER REINFORCED	PSI PT PTD	POUNDS PER SQUARE INCH PRESSURE TREATED OR PAINT PAINTED						ENLA REFER TO AX.XX	ARGED REFERENCE ALIGN CONSTRUCTION	Morman Rd	
FRP FRT	GYPSUM FIBER REINFORCED POLYMER FIRE RETARDANT TREATED	PTN PVC PW	PARTITION POLYVINYLCHLORIDE PLYWOOD						MATO	CH LINE DOOR W/ MAGNETIC HOLD VATION, WORKPOINT, The sealant DOOR W/ MAGNETIC HOLD OPEN -REFER TO DOOR	Google 130	
ESOS H9184	FREEZER 1	2	RADIUS OR RISER	4		5	6	7 8 9	10 DATL		13 14 15	

C Revision

#
1
2 PROJECT LOCATION Hanover Township, Park



1100 Sycamore Street, Suite 200 Cincinnati, Ohio 45202 - Ph: 513.984.1070 702 N. Capitol Avenue Indianapolis, Indiana 46204 Ph: 317.636.3980

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Project Title HANOVER TOWNSHIP PARK RESTROOM

E 2592 OLD OXFORD RD HAMILTON, OH 45013

MATTHEW A. LICENSE 16 EXP: 07/0 ★ MATTHEW A. FROMAN 1817562

MATTHEW A. ERDMAN LICENSE 1817562 EXP: 07/01/2024

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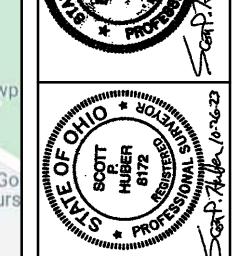
GENERAL PROJECT

Project No. Drawn By: BRG 23020

HANOVER TOWNSHIP RESTROOM

SECTION-15, TOWN-4, RANGE-2 HANOVER TOWNSHIP, BUTLER COUNTY, OHIO



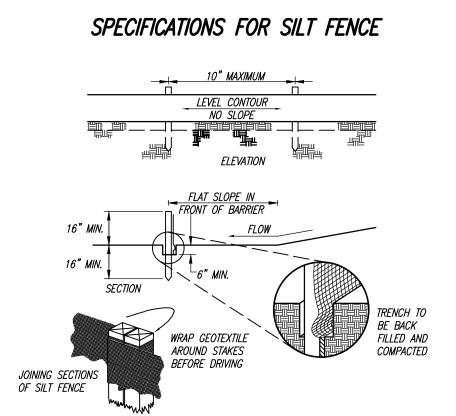


VICINITY MAP

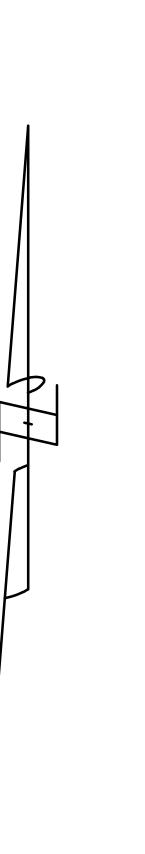
Ex. Utility Pole → | Ex. Sign • Ex. Bollard Ex. C.B. | Ex. Catch Basin —OU——— Ex. Overhead Utility Lines --UU------ Ex. Underground Utility Lines

EXISTING UNDERGROUND UTILITIES REPRESENTED ON THIS DRAWING ARE APPROXIMATE LOCATION ONLY BASED ON FIELD OBSERVATIONS AND AVAILABLE RECORDS. CONTACT THE LOCAL UTILITY PROTECTION SERVICES AND AGENCIES PRIOR TO ANY EXCAVATION, CONSTRUCTION OR DESIGN.

ELEVATION DATUM SHOWN IS RELATIVE TO NAVD 88 BASED ON VRS GPS OBSERVATIONS.



SEE THE RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION MANUAL, CURRENT EDITION, FOR SILT FENCE



B1010-015.000-026 The Trustees Of Auditors Parcel B1010-015.000-068 Board Of Trustees Of Hanovei Township, Bulter County, Ohio O.R. 7278, Pg. 2125 60' R/W 127.76' 🗥 MORMAN Pin W/Cap B1010-015.000-023 ı Grate=912.1. Bradley D. Fread & Inv.=910.18 Karen L. Fread O.R. 8781, Pg. 752

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

CONCRETE SIDEWALK DETAIL

One Course Portland Cement Concrete Sidewalks, Class "C" Concrete, Four Feet (4') In Width And Four Inches (4") Min.In Thickness Shall Be Constructed Where Shown On The Plans Or Typical Sections. Sidewalk To Be Seven Inches (7") Min. In Thickness At Driveway Aprons. One Half Inch (1/2") Full Depth Expansion Joints Shall Be Installed At Intervals Not To Exceed One Hundred Feet (100'). All Sidewalks, Including Curb Ramps, Shall Connect To The Pavement Or Curb With One-Half $(\frac{1}{2})^n$ Full Depth Expansion Joint Material Between The Walk And Curb.





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GENERAL CONSTRUCTION NOTES

TRANSPORTATION".

OF CONSTRUCTION ON DRAWINGS.

FILM THICKNESS OF 15 MILS.

VEGETATION OR EXCAVATION.

DORMANT FOR MORE THAN 14 DAYS.

SITE SURVEY NOTE:

APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO BREAKING GROUND FOR THE PURPOSE OF VERIFYING BY FIELD INSPECTION, THE EXACT

THE CONTRACTOR SHALL EXERCISE DUE CARE DURING CONSTRUCTION SO AS NOT TO DESTROY ANY TREES, PLANTS, SHRUBS OR STRUCTURES OUTSIDE OF THE INDICATED WORK LIMITS AND THOSE NOT SPECIFICALLY MARKED FOR REMOVAL OR RELOCATION

ALL MATERIALS AND CONSTRUCTION PROCEDURES SHALL BE IN ACCORDANCE WITH

UNLESS OTHERWISE NOTED ALL CONSTRUCTION DETAILS SHALL CONFORM WITH THE

THE ENGINEER/SURVEYOR DOES NOT ASSUME ANY LIABILITY FOR THE LOCATION OF

UTILITIES, INCLUDING INDIVIDUAL SERVICE LINES & PRIVATE MAINS NOT SHOWN ON

UTILITIES WHICH HAVE BEEN ACCURATELY LOCATED, WHICH IS CAUSED BY THE

CONTRACTOR'S OPERATIONS, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ASSISTANCE IN LOCATING UNDERGROUND UTILITIES CAN BE OBTAINED BY CONTACTING THE UTILITY COMPANIES AT THE LOCATIONS LISTED ON THIS PAGE. IF A DISCREPANCY IS FOUND TO EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

EACH INSTALLING CONTRACTOR IS RESPONSIBLE FOR THEIR OWN COORDINATION OF

CONTRACTOR/CONSTRUCTION MANAGER. OR APPROPRIATE PARTY. ABERCROMBIE &

ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR CONTRACTOR MEANS & METHODS

THE CONTRACTOR SHALL VERIFY EXISTING SITE INFORMATION AND REQUIRED EARTHWORK.

PAVEMENT MARKINGS TO BE HIGH SOLIDS. WATER BASED ACRYLIC PAINT CONTAINING ULTRAVIOLET RESISTANT PIGMENTS. LEAD & CHROMATE FREE, READY MIXED. COMPLYING WITH FTS TT-PP-1952 WITH A DRYING TIME OF LESS THAN 45 MINUTES. PARKING & LANE PARKERS STRIPING TO BE WHITE, HANDICAP SPACES TO BE BLUE, PEDESTRIAN CROSSING LANES & NO PARKING ZONES TO BE YELLOW. APPLY PAINT WITH

MECHANICAL EQUIPMENT, AT MANUFACTURER'S RECOMMENDATIONS & AT A MINIMUM WET

DOMESTIC WATER SERVICE TO BE PVC AWWA C900 AFTER THE METER SETTING.

ALL EROSION CONTROL MEASURES MUST BE IN PLACE PRIOR TO ANY STRIPPING OF

EROSION CONTROL WILL BE ACCOMPLISHED BY STRATEGICALLY PLACING ROCK CHECK

DAMS, MULCH, BERMS AND/OR SILT FENCES IN SWALES AND RUNOFF AREAS, SUCH ITEMS TO BE REPLACED AND EXPANDED AS NECESSARY TO AFFORD NECESSARY

SILT FENCES USED FOR EROSION AND SEDIMENT CONTROL ARE TO BE ENTRENCHED AT

LEAST 6" INCHES BELOW GRADE, AND FOLDED ACCORDING TO THE DETAIL AS SHOWN.

REDISTRIBUTING IT AS IS APPROPRIATE. SEEDING AND MULCHING SHALL BE APPLIED IN

DISTURBED AREAS WITHIN 7 DAYS IF THE AREA IS AT FINAL GRADE OR IS TO REMAIN

PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF OHIO. THE PROPOSED

ALL EROSION CONTROLS SHALL BE INSPECTED AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT PRODUCING GREATER THAN 1/2 INCH OF RAIN IN A 24 HOUR PERIOD. ALL EROSION CONTROLS MUST BE MAINTAINED

DURING CONSTRUCTION BY REMOVING COMPACTED SILT AND SEDIMENT, AND

ACCORDANCE WITH OHIO RAINWATER AND LAND DEVELOPMENT MANUAL TO ALL

ALL EXISTING CONDITIONS AND BOUNDARY INFORMATION WAS PREPARED BY A

BUILDING WAS LOCATED ON THE PROPERTY BY THE LAND SURVEYOR.

INSTALLATION OF THEIR SYSTEMS UNDER THE SUPERVISION OF THE GENERAL

THE CONTRACTOR SHALL OBTAIN OR VERIFY THAT ALL PERMITS ARE OBTAINED.

ALL PROPOSED SPOT ELEVATIONS ARE TO FINISHED GRADE.

PUBLIC RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXACTLY LOCATING

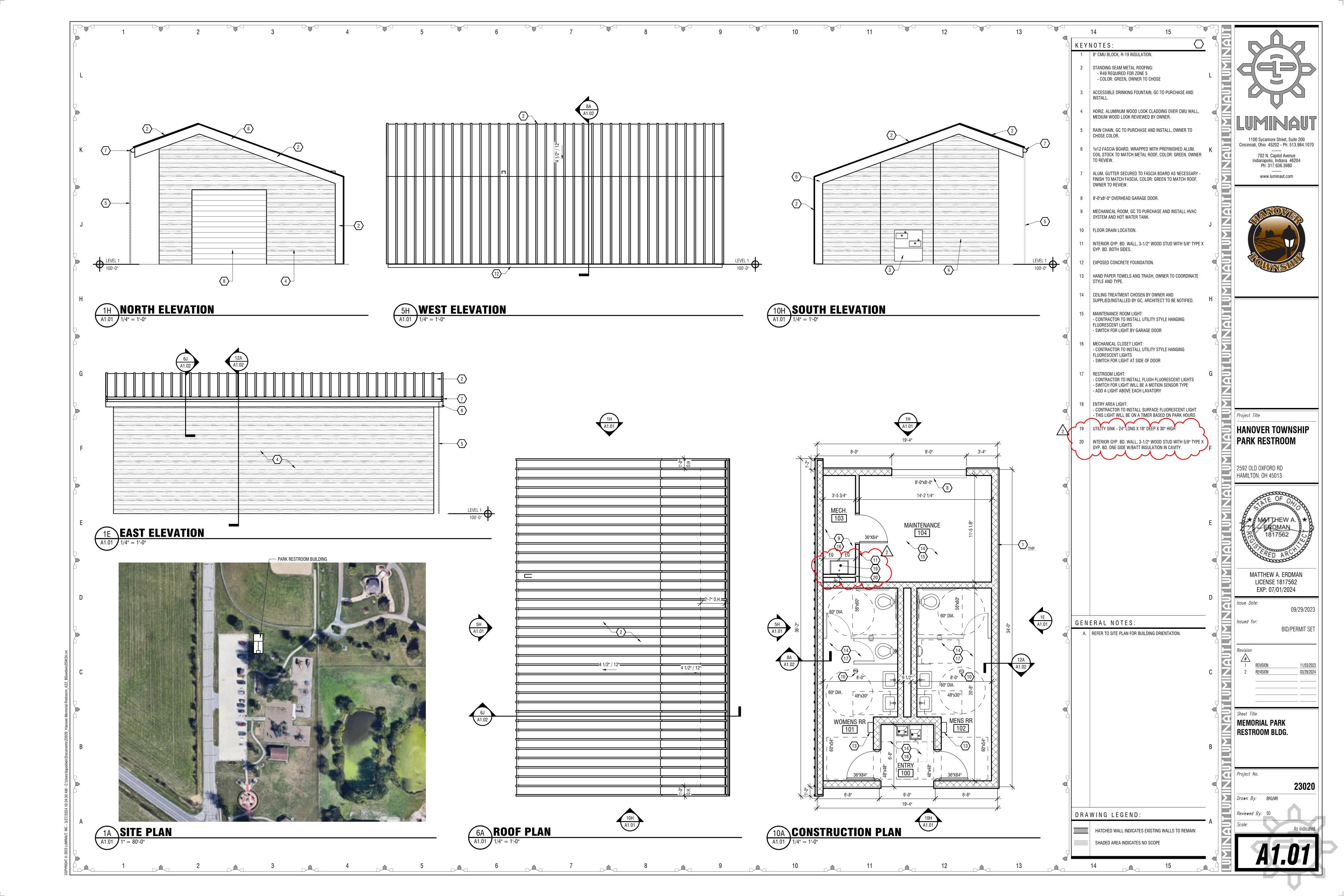
AND PROTECTING ALL UTILITIES, BOTH ABOVE AND BELOW GROUND, THAT EXIST IN THE

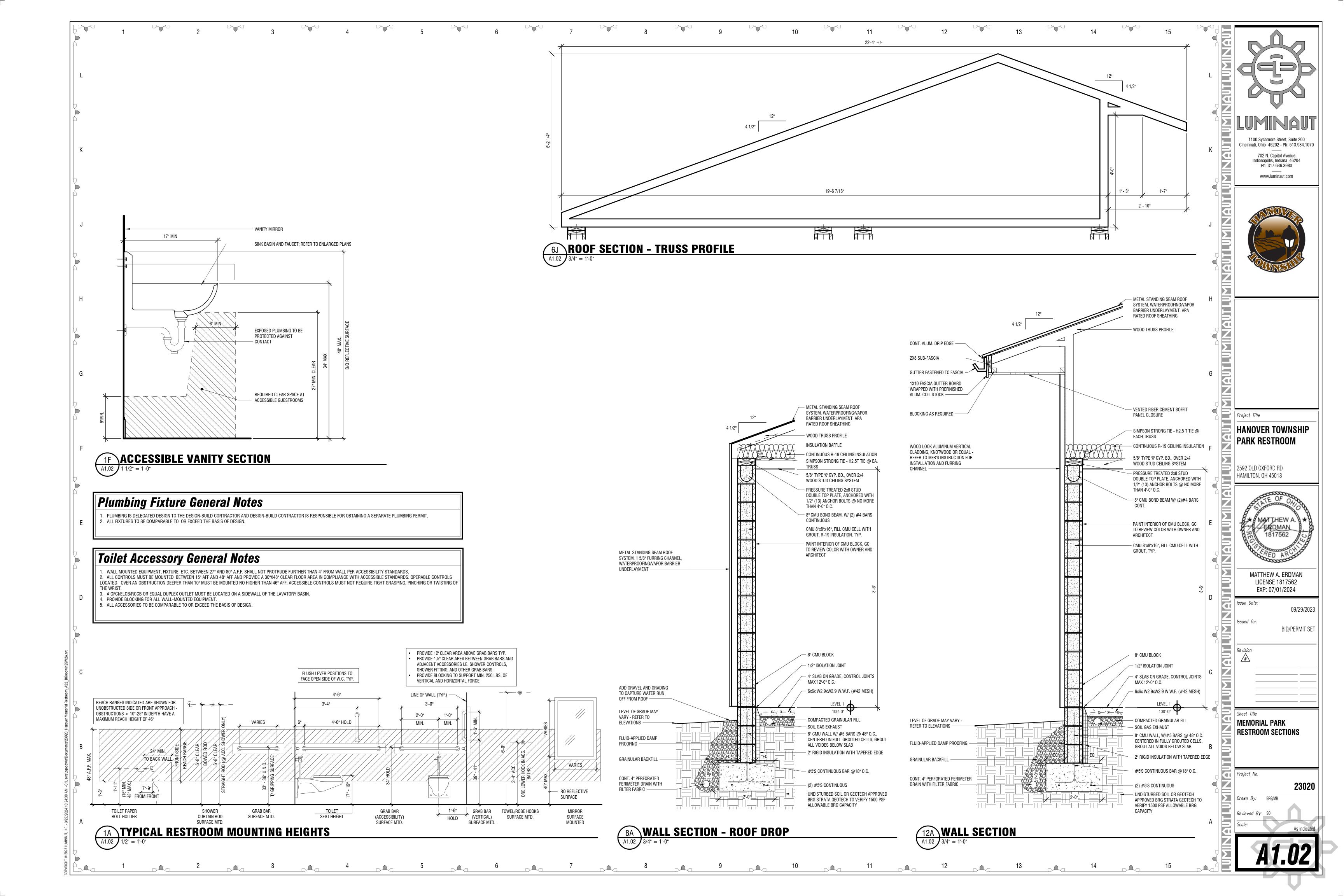
WORK AREA AND WHICH MAY COME IN CONFLICT WITH HIS OPERATIONS. ANY DAMAGE TO

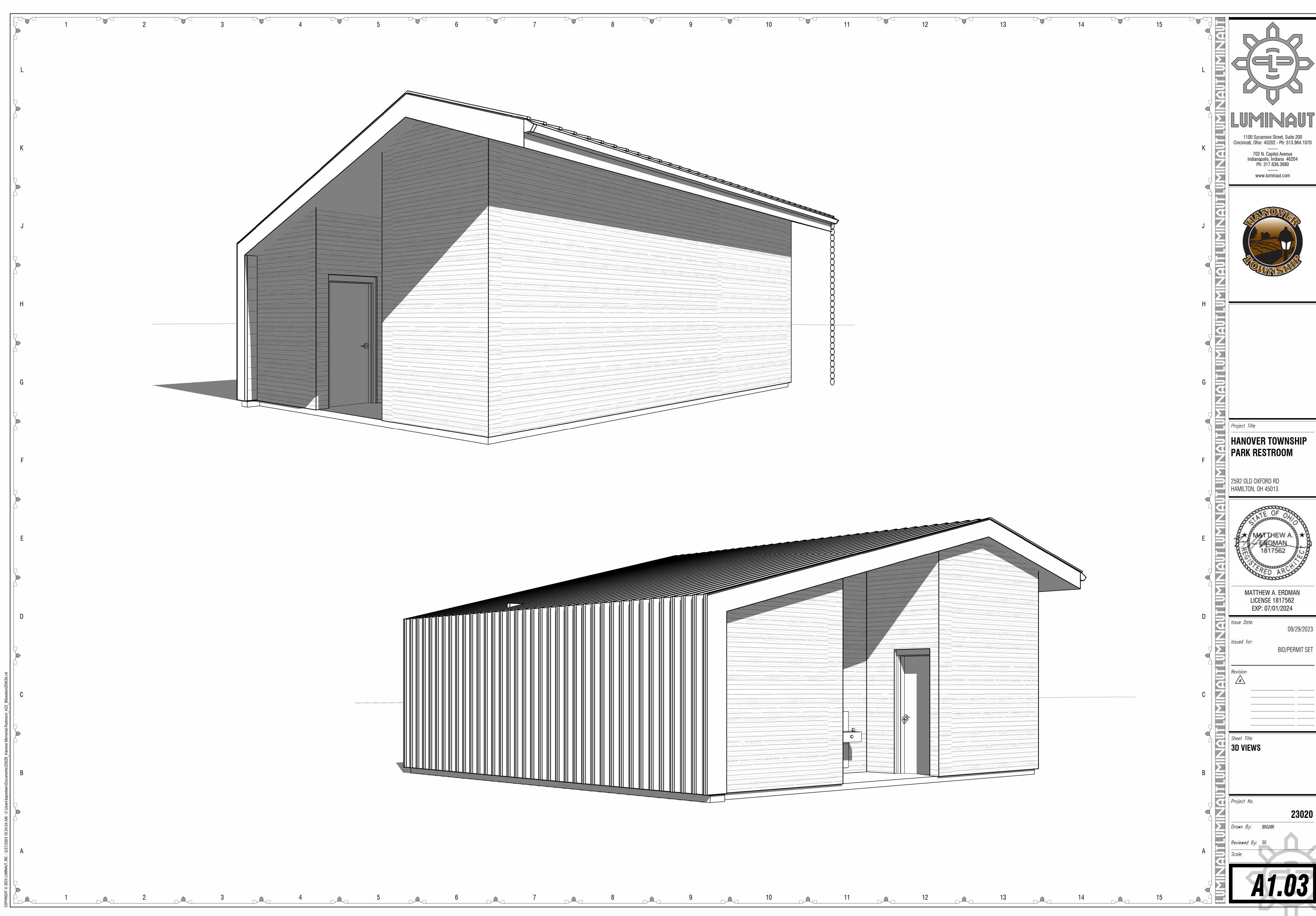
"STANDARD CONSTRUCTION DRAWINGS OF THE STATE OF OHIO DEPARTMENT OF

"CONSTRUCTION AND MATERIAL SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF

Utilities Protection SERVICE Call Before You Dig 1-800-362-2764

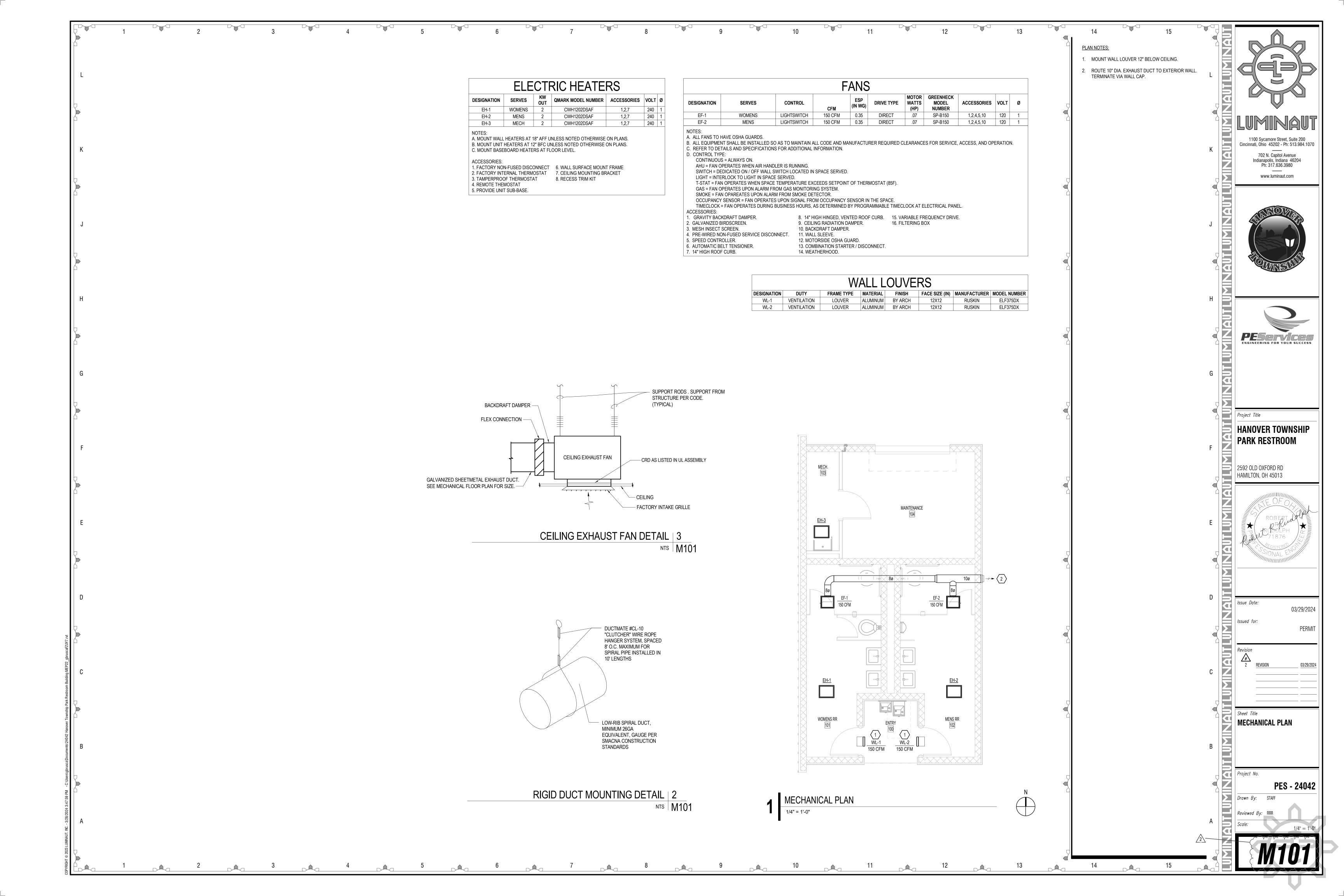


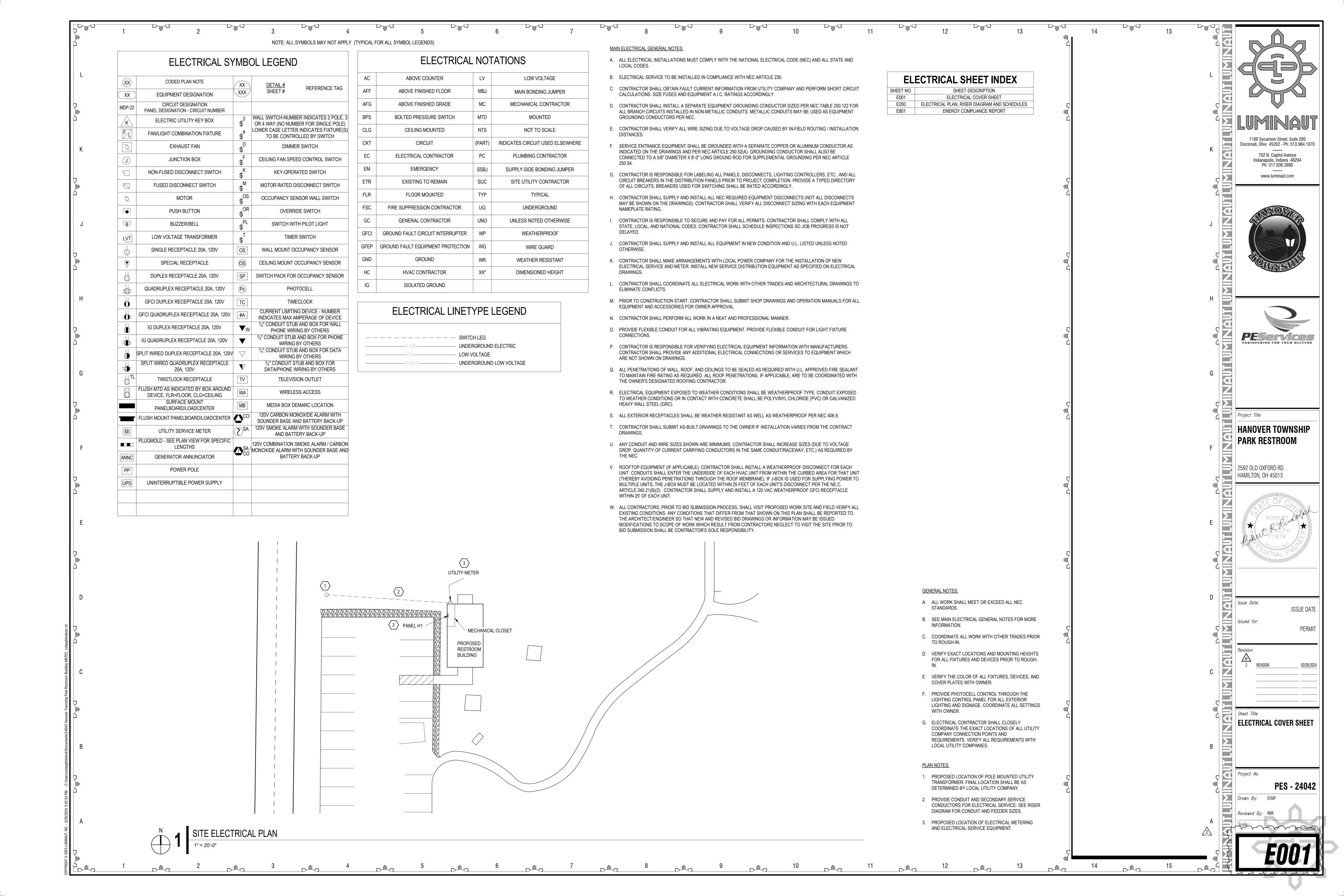


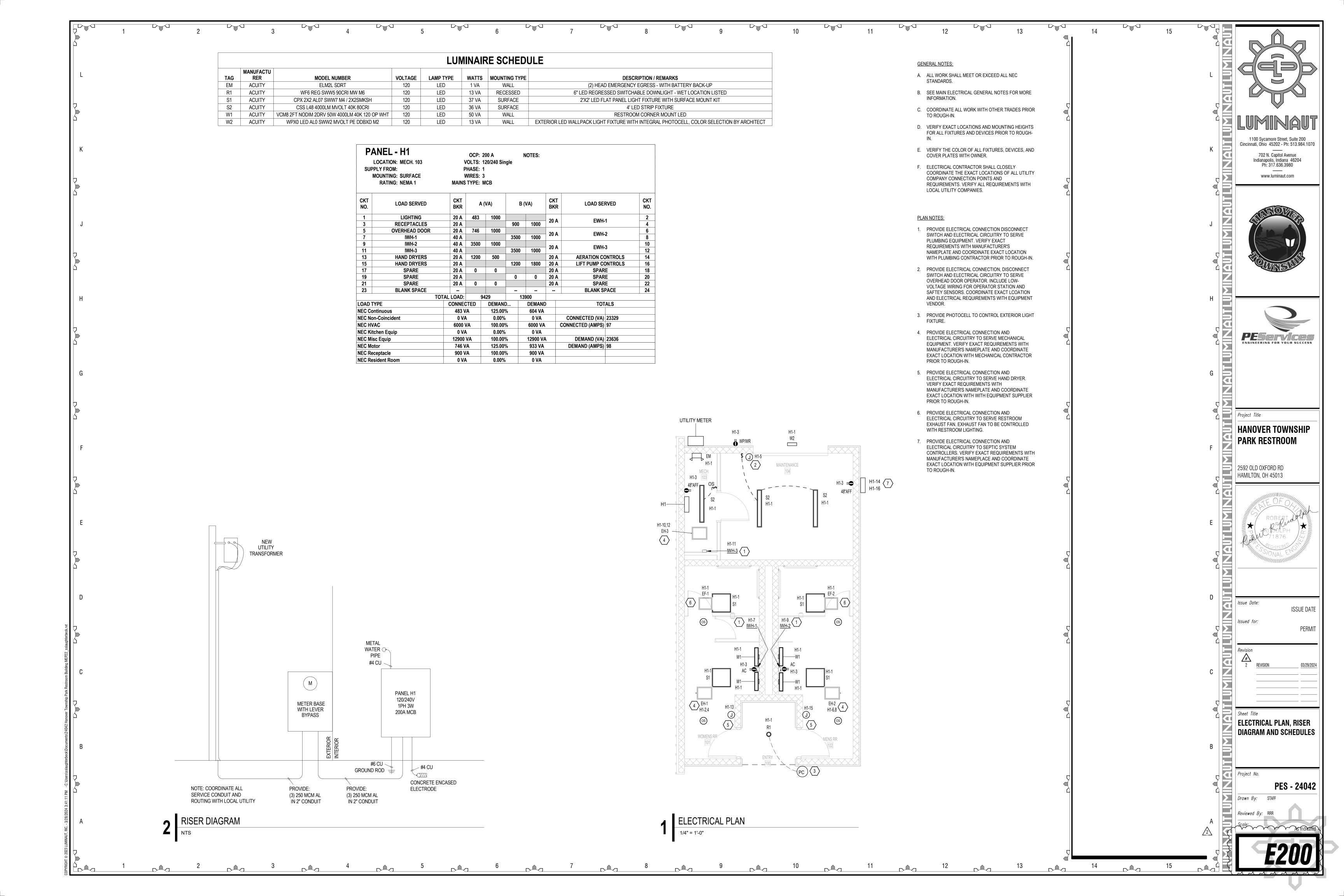


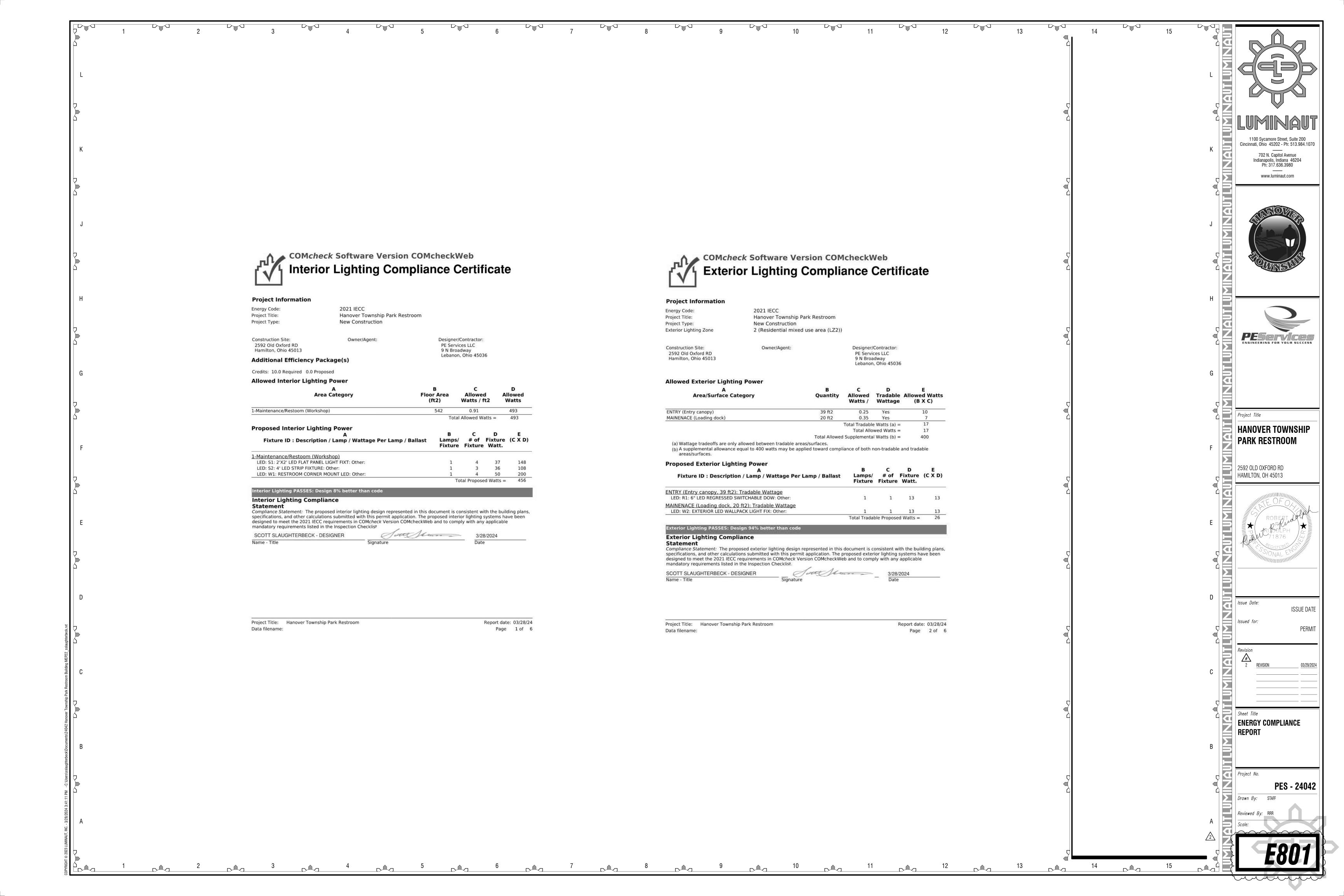


HVAC GENERAL NOTES:	AIR DISTRIBUTION:	OVOTEM COMMODICATION	MECHANICAL NOT	ATIONS	
1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE 2024 OHIO MECHANICAL CODE, THE 2024 OHIO BUILDING CODE, THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, STATE	SHEETMETAL IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION. WHERE	SYSTEM COMMISSIONING: 51. PRIOR TO THE FINAL MECHANICAL AND PLUMBING INSPECTIONS, AN APPROVED AGENCY CONTRACTED BY THE	AC AIR CONDITIONING DWG DRAWING HV.	AC HEATING / VENTING / AIR CONDITIONING RG-# RETURN AIR GRILLE	
AMENDMENTS, NFPA 90A, 96, 101, UNDERWRITERS LABORATORIES AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.	DUCTWORK PENETRATES A 1-HR FIRE-RATED ASSEMBLY, MINIMUM 26 GAGE GALVANIZED STEEL SHALL BE USED FOR THE ENTIRE LENGTH OF THE DUCT. ALL JOINTS AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER.		AFF ABOVE FINISHED FLOOR EC ELECTRICAL CONTRACTOR HW		
 THE LOCATIONS, ARRANGEMENT AND EXTENT OF EQUIPMENT, DEVICES, CONDUIT, AND OTHER APPURTENANCES RELATED TO THE INSTALLATION OF MECHANICAL WORK SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL NOT SCALE DRAWINGS, BUT SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT 	26. ALL EXPOSED DUCTWORK TO HAVE MILL PHOSPHATIZED FINISH TO BE PAINTED BLACK BY OTHERS.	52. ALL AIR-MOVING SYSTEMS WITH A FAN MOTOR GREATER THAN 1 HP SHALL BE BE TESTING AND BALANCED. ALL SUPPLY AIR DUCTS SHALL HAVE A MANUAL VOLUME DAMPER. ALL DAMPERS SHALL FIRST BE ADJUSTED SO AS TO LIMIT THROTTLING LOSSES, THEN FAN POWER SHALL BE ADJUSTED TO ACHIEVE DESIGN AIRFLOWS SHOWN ON	AFG ABOVE FINISHED GRADE EF-# EXHAUST FAN HW AHU-# AIR HANDLING UNIT EFF EFFICIENCY HW		
DIMENSIONS OF BUILDING COMPONENTS. SHOULD A CONFLICT EXIST BETWEEN THE ARCHITECTURAL AND ENGINEERING DRAWINGS REGARDING DIMENSIONS AND SCALE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF THE DISCREPANCY.	27. ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE PER SMACNA STANDARDS.		ALT ALTERNATIVE EG.# EXHAUST GRILLE INS AMB AMBIENT EL ELEVATION KV		
3. THE CONSTRUCTION DOCUMENTS SHALL BE COMPRISED OF BOTH PLANS AND SPECIFICATIONS; THEREFORE, ALL		DOCUMENTS TO HAVE MANUAL VOLUME DAMPERS SHALL BE BALANCED TO DELIVER THE AIRFLOWS SHOWN ON PLANS, BUT ARE NOT REQUIRED TO BE INCLUDED IN THE PRELIMINARY OR FINAL COMMISSIONING REPORT GIVEN TO	APPROX APPROXIMATE ELEC ELECTRIC(AL)	LENGTH / LONG SD-# SUPPLY AIR DIFFUSER	
HVAC WORK PERFORMED SHALL CONFORM TO THE REQUIREMENTS DESCRIBED IN BOTH. NEITHER SHALL TAKE PRECEDENCE OVER THE OTHER, BUT RATHER, THEY SHALL BE AN EXTENSION OF EACH OTHER. SHOULD A CONFLICT EXIST BETWEEN THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF THE	BUILDING. AIR CONNECTORS ARE NOT ACCEPTABLE. FLEX DUCT DIAMETER SHALL MATCH DEVICE NECK DIAMETER. PROVIDE ROUND GALVANIZED STEEL DUCT RUNOUTS TO MAINTAIN A MAXIMUM FLEXIBLE DUCT LENGTH OF 8'-0" (EXCEPT IN RESIDENTIAL APPLICATIONS LENGTH SHALL BE AS INDICATED). FLEXIBLE DUCTWORK SHALL BE INSTALLED		ARCH ARCHITECT(URAL) ELEV ELEVATOR LV AUTO AUTOMATIC EQUIP EQUIPMENT MA		к 🗐
DISCREPANCY. 4. MATERIALS, EQUIPMENT OR LABOR NOT INDICATED BUT WHICH CAN BE REASONABLY INFERRED TO BE	AS STRAIGHT AS POSSIBLE AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED.	V COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND PERFORMANCE SETPOINTS DESCRIBED ON PLANS. TESTING SHALL INCLUDE ALL MODES AND SEQUENCE OF OPERATION, INCLUDING UNDER FULL-LOAD, PART-LOAD, AND THE FOLLOWING EMERGENCY CONDITIONS:	BHP BRAKE HORSEPOWER ETR EXISTING TO REMAIN M		
NECESSARY FOR A COMPLETE INSTALLATION SHALL BE PROVIDED. DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO INDICATE EVERY ITEM OF MATERIAL, EQUIPMENT, OR LABOR REQUIRED TO PRODUCE A COMPLETE AND PROPERLY OPERATING INSTALLATION.	29. ROUND AND FLEXIBLE SUPPLY AIR DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH A SPIN-IN FITTING WITH SCOOP AND BALANCING DAMPER. IN RESIDENTIAL SPACES, TAB-TYPE FITTINGS ARE ACCEPTABLE, AND	53.1. ALL MODES AS DESCRIBED IN THE SEQUENCE OF OPERATION. 53.2. REDUNDANT OR AUTOMATIC BACK-UP MODE.	BLDG BUILDING EXH EXHAUST ME CD-# CEILING DIFFUSER EXIST/EX EXISTING MF		\downarrow Σ
5. ANY WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE	AIRFLOW SHALL BE BALANCED AT THE AIR DEVICES.	53.2. REDUNDANT OR AUTOWATIC BACK-UP MIDDE. 53.3. PERFORMANCE OF ALARMS. 53.4. MODE OF OPERATION UPON A LOSS OF POWER AND RESTORATION OF POWER.	CFM CUBIC FEET PER MINUTE EXT EXTERIOR MI		
REPAIRED TO NEW CONDITION. 6. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH UNDERWRITER'S APPROVAL,	30. TAPE, BED AND SEAL AIR TIGHT ALL PENETRATIONS FROM RETURN AIR PLENUMS TO NON RETURN AIR PLENUMS THAT ARE REQUIRED DUE TO DUCTWORK, PIPING OR OTHER ITEMS.	54. A "PRELIMINARY COMMISSIONING REPORT" DETAILING ALL TESTING ACTIVITIES, ITEMIZED LIST OF DEFICIENCIES, DEFERRED TESTS NOT PERFORMED DUE TO CLIMATIC CONDITIONS, AND CLIMATIC CONDITIONS AT THE TIME OF	CL CENTERLINE FC-# FAN COIL UNIT MIS CLG CEILING FD FIRE DAMPER NO		
MANUFACTURER'S RECOMMENDATIONS, GOOD ENGINEERING PRACTICE, AND ALL APPLICABLE CODE REQUIREMENTS. 7. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER	31. EXHAUST AND OUTDOOR AIR INTAKE DUCTWORK SHALL BE FURNISHED WITH A BUILT-IN BACK-DRAFT DAMPER (GRAVITY TYPE UNLESS NOTED OTHERWISE ON PLANS) AND MESH INSECT SCREEN (EXCEPT DRYER VENTS).	TESTING SHALL BE PROVIDED TO THE OWNER (OR OWNER'S AGENT) AND THE CODE OFFICIAL. 55.1. THE BUILDING OWNER (OR OWNER'S AGENT) MUST ISSUE A LETTER OF TRANSMITTAL TO THE CODE OFFICIAL	COL COLUMN FPM FEET PER MINUTE NT		j J
ACCEPTANCE BY OWNER. 8. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 4 YEAR MANUFACTURER'S WARRANTY FOR A 5-YEAR TOTAL	32. DRYER VENT DUCTWORK SHALL BE 4-INCH ROUND AND BE 26 GAUGE GALVANIZED STEEL INSTALLED WITH LONGITUDINAL SEAMS FACING UP AND MALE CRIMPED END INSTALLED IN THE DIRECTION OF FLOW. ROUTE DRYER VENT TO THE EXTERIOR WALL CAP AS DIRECT AS POSSIBLE. DO NOT SECURE DUCTWORK WITH SHEET METAL	ACKNOWLEDGING RECEIPT OF THE PRELIMINARY COMMISSIONING REPORT BEFORE THE BUILDING WILL BE CONSIDERED ELIGIBLE FOR FINAL INSPECTION.	COND CONDENSATE F/S COMBINATION FIRE/SMOKE DAMPER O. CU-# CONDENSING UNIT FT FEET O	A OUTSIDE AIR VAV VARIABLE AIR VOLUME C ON CENTER VD VOLUME DAMPER	
WARRANTY.	SCREWS.	56. CONTRACTOR SHALL PROVIDE THE BUILDING OWNER (OR OWNER'S AGENT) WITH AN OPERATIONS AND MAINTENANCE MANUAL INCLUDING THE FOLLOWING:	D DEPTH / DEEP GA GAUGE O		
9. INSTALL GRADE MOUNTED OUTDOOR AIR CONDITIONING EQUIPMENT LEVEL ON 4" THICK REINFORCED CONCRETE PADS, EXTENDING 6" ON ALL SIDES BEYOND UNIT PERIMETER.	AREAS SHALL BE PAINTED FLAT BLACK.	56.1. SUBMITTAL DATA STATING EQUIPMENT SIZE AND SELECTED OPTION FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.		C PLUMBING CONTRACTOR VFD VARIABLE FREQUENCY DRIVE BI POUNDS PER SQUARE INCH VIF VERIFY IN FIELD	NAUT
10. EQUIPMENT SHALL BE LOCATED AT LEAST 10'-0" FROM ALL ROOF EDGES OR OPEN SIDES OF A WALKING SURFACE WHERE SUCH OPEN SIDE IS MORE THAN 30" ABOVE THE ADJACENT SURFACE. WHERE EQUIPMENT IS WITHIN 10'-0" OF SUCH DROPOFFS, FALL PROTECTION GUARDS SHALL BE PROVIDED. GUARDS SHALL BE MINIMUM 42" TALL AND	35. INSTALL FIRE DAMPERS IN ALL THROUGH PENETRATIONS IN FIRE-RATED WALLS, FLOOR AND CEILINGS. IN	56.2. MANUFACTURER'S OPERATIONS MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, EXCEPT EQUIPMENT NOT FURNISHED AS PART OF THE PROJECT. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.	DHW DOMESTIC HOT WATER GC GENERAL CONTRACTOR PV	/C POLYVINYL CHLORIDE VTR VENT THROUGH ROOF	
EXTEND AT LEAST 30" BEYOND EACH END OF THE EQUIPMENT. GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 21" SPHERE AND SHALL COMPLY WITH LOADING REQUIREMENTS OF THE IBC.	*** ***	56.3. NAME AND ADDRESS OF AT LEAST ONE SERVICE AGENCY. 56.4. HVAC AND SERVICE HOT WATER CONTROLS SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS AND CONTROL SEQUENCE DESCRIPTIONS. DESIRED OF FIELD-	DIA / Ø DIAMETER GF-# GAS FURNACE F DIFF DIFFUSER GPM GALLONS PER MINUTE R	R RADIUS W WIDTH / WIDE A RETURN AIR W/ WITH	н 🖹
11. AIR HANDLING AND FAN COIL UNITS LOCATED ABOVE THE LOWEST LEVEL FINISHED FLOOR SHALL BE INSTALLED WITH AN AUXILIARY CONDENSATE DRAIN PAN UNDER THE UNIT. PROVIDE AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION IN SECONDARY DRAIN PAN. INSTALL MINIMUM 4' X 4' X 3/4" THICK	DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES. 35.1. WHERE DUCTS PENETRATE FIRE-RATED WALLS AND HAVE DUCT OPENINGS SERVING SPACES ON BOTH SIDES	DETERMINED SET POINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT CONTROL DEVICES OR, FOR DIGITAL CONTROL SYSTEMS, IN SYSTEM PROGRAMMING INSTRUCTIONS.	DWG DRAWING GWH-# GAS WATER HEATER RG	6-# RETURN AIR GRILLE W/O WITHOUT	
PLYWOOD SERVICE PLATFORM ON SERVICE SIDE OF UNITS LOCATED IN ATTIC SPACES.	OF THE RATED WALL, FIRE/SMOKE DAMPERS SHALL BE PROVIDED AT FIRE-RATED WALL PENETRATION.	57. A "FINAL COMMISSIONING REPORT" DETAILING ALL TESTING PROCEDURES AND RESULTS SHALL BE DELIVERED TO	DIA / Ø DIAMETER H HEIGHT / HIGH F DIFF DIFFUSER HP HORSE POWER R	R RADIUS WB WET BULB TEMPERATURE A RETURN AIR	
12. PANCAKE STYLE AIR HANDLERS LOCATED ABOVE TOILET AREAS SHALL BE INSTALLED IN A MINIMUM 14-INCH DEEP INSIDE CLEAR FURRDOWN RETURN AIR PLENUM, REFERENCE ARCHITECTURAL PLANS.	36. INSTALL CEILING RADIATION DAMPERS AT DIFFUSERS MOUNTED IN FIRE-RATED CEILING ASSEMBLIES. WHERE DUCTWORK PENETRATES THE MEMBRANE OF A FIRE-RATED CEILING ASSEMBLY, INSTALL DUCT-DROP RATED CEILING RADIATION DAMPER. DAMPER SHALL BE DYNAMIC RATED OR SYSTEM SHALL BE DESIGNED TO STOP OPERATING	THE BUILDING OWNER (OR OWNER'S AGENT). THE FINAL REPORT SHALL INCLUDE ALL INFORMATION AS DESCRIBED ABOVE IN THE PRELIMINARY REPORT, EXCEPT THAT NO DEFERRED TESTS SHALL BE PERMITTED.	MECHANICAL SYMBOL LEGEND	MECHANICAL LINETYPE LEGEND	
13. MOUNT TOP OF THERMOSTATS AND OTHER CONTROL DEVICES 46" AFF UNLESS NOTED OTHERWISE. PROVIDE CLEAR LOCKING COVER FOR ALL PUBLIC AREA THERMOSTATS. COORDINATE THERMOSTAT LOCATIONS WITH OTHER TRADES.	DURING A FIRE EVENT. ALL DAMPERS SHALL BE U.L. 555C LABELED. ALL DAMPERS SHALL BE SPECIFICALLY LISTED (MAKE AND MODEL) AS APPROVED FOR USE IN THE UL LISTING OF THE FIRE-RESISTANCE-RATED CEILING ASSEMBLY PENETRATED.		NOTE: NOT ALL SYMBOLS MAY APPLY.	GENERAL NEW	
14. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR			XX.## EQUIPMENT DESIGNATION XX.X.X REFERENCE TAG		G 🗐
OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.	FIRE AND SMOKE DAMPERS. ALL DAMPERS SHALL BE U.L. 555 AND/OR 555S LABELED.		XX Ø	— CD — CD — CONDENSATE DRAIN	
15. ALL PIPE AND DUCT PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE THE ASSEMBLY TO ITS ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS	38. DUCT ACCESS DOORS: PROVIDE ACCESS DOORS IN DUCTWORK AT EACH FIRE, SMOKE, FIRE/SMOKE, OR DUCT-DROP RATED CEILING RADIATION DAMPER LOCATION.		POINT OF CONNECTION ? CONTINUATION	ALL OTHER LINETYPES DENOTED WITH: (AB) = ABANDONED; (D) = DEMO; (EX) = EXISTING	
MANUFACTURED BY TREMCO, HILTI, 3M OR APPROVED EQUAL. 16. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS AND IN WALL STRUCTURE TO ALLOW ADEQUATE ROOM	39. LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH CEILING GRID, LIGHT FIXTURES, SPRINKLER HEADS, SPEAKERS, SMOKE ALARMS, ETC. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.		H HUMIDISTAT T THERMOSTAT C CO2 SENSOR S REMOTE SENSOR		
FOR MAINTENANCE OF EQUIPMENT AND BALANCING OF SYSTEMS. ACCESS PANELS IN CEILING AND WALLS SHALL BE PROVIDED WHERE SHOWN ON THE DRAWINGS OR NECESSARY TO ACCESS DAMPERS, VALVES, ETC. COORDINATE EXACT LOCATION OF ALL ACCESS PANELS WITH THE ARCHITECT DURING THE SHOP DRAWING PROCESS.	40. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR AND WATER QUANTITIES SHOWN ON THE DRAWINGS (NOT APPLICABLE TO DWELLING UNITS). SUBMIT		RECTANGULAR SUPPLY DUCT RISER ROUND SUPPLY DUCT RISER		
17. ALL MECHANICAL EQUIPMENT SHALL BE LABELED WITH A SEMI-RIGID PLASTIC LAMINATE NAMEPLATE WITH 2" HIGH	CERTIFIED (AABC OR NEBB) TEST AND BALANCE REPORT TO THE ARCHITECT FOR APPROVAL. NOT APPLICABLE TO		RECTANGULAR RETURN DUCT RISER ROUND RETURN DUCT RISER ROUND RETURN DUCT RISER ROUND EXHAUST DUCT RISER		F Z F
WHITE LETTERS ON A BLACK BACKGROUND SECURELY AFFIXED TO THE EQUIPMENT. THE NAMEPLATE SHALL SHOW THE EQUIPMENT TAG USED ON THESE DRAWINGS. ON RESIDENTIAL PROJECTS, THE NAMEPLATE ON THE OUTDOOR EQUIPMENT SHALL INDICATE THE APARTMENT OR CONDOMINIUM UNIT NUMBER IT SERVES AS WELL AS THE	PIPING:		90 DEGREE TURNING VANE 45 DEGREE TURNING VANE		$ \Sigma $
EQUIPMENT ID TAG. 18. REFER TO ARCHITECTURAL PLANS FOR FLOOR AND CEILING ASSEMBLY UL RATINGS AND DETAILS.	41. REFRIGERANT PIPING SHALL BE TYPE L OR REFRIGERATION SERVICE COPPER TUBING WITH BRAZED JOINTS.42. REFRIGERANT LINE SET ACCESS PORTS SHALL HAVE LOCKING CAPS.		RECTANGULAR DUCT TAKEOFF SD DUCT WITH SMOKE DAMPER FD DUCT WITH FIRE DAMPER		2 H
19. WHERE PLANS CALL FOR UNDERCUT DOORS IN FIRE-RATED WALLS, UNDERCUT SHALL NOT EXCEED 3/4" PER NFPA-80.	43. CONDENSATE FROM ALL AIR CONDITIONING EQUIPMENT SHALL BE TRAPPED AND ROUTED TO THE NEAREST FLOOR DRAIN OR OTHER PLUMBING DRAIN AS SHOWN ON PLANS. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC		F/S DUCT WITH FIRE / SMOKE DAMPER CEILING RADIATION DAMPER		
20. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT	(EXCEPT CPVC IN HVAC PLENUMS). CONDENSATE SHALL BE PUMPED AS REQUIRED.		MOTORIZED DAMPER VOLUME DAMPER		
SCHEDULED OR SPECIFIED ON THE DRAWINGS; DUCTWORK DRAWN THE SCALE SHOWN ON THE DRAWINGS, REFRIGERANT PIPING AND CONTROL WIRING SCHEMATICS CERTIFIED BY THE AIR CONDITIONING EQUIPMENT	44. ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.		SUPPLY AIR DIFFUSER RETURN AIR GRILLE / REGISTER		E
MANUFACTURER. LONG LINE REFRIGERANT PIPING APPLICATIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT SPLIT SYSTEM LONG-LINE APPLICATION GUIDELINE.	INSULATION: 45. DUCT INSULATION:		EXHAUST AIR GRILLE /		
MECHANICAL/ELECTRICAL COORDINATION: 21. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL	45.1. DUCT WRAP SHALL BE UL LISTED FIBERGLASS BLANKET INSULATION WITH FOIL VAPOR BARRIER. PUNCTURES AND TEARS IN THE FOIL JACKET SHALL BE PATCHED WITH FOIL TAPE TO MAINTAIN THE INTEGRITY OF THE VAPOR	3	REGISTER		
EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN. SHOP DRAWING SUBMITTALS SHALL CLEARLY STATE THAT THE ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT HAS BEEN COORDINATED WITH THE	BARRIER. INSULATE SHEET METAL DUCTWORK IN THE THICKNESSES AND DENSITIES AS LISTED BELOW: 45.1.1. SHEET METAL SUPPLY, RETURN, AND OUTSIDE AIR DUCTWORK: R-6 MINIMUM INSTALLED. 45.5.2. EXHAUST DUCTWORK ROUTED WITHIN THE BUILDING THERMAL ENVELOPE SHALL NOT BE INSULATED UNLESS		DOUBLE LINE DUCTWORK		
ELECTRICAL CONTRACT DOCUMENTS AND THE ELECTRICAL CONTRACTOR.	NOTED OTHERWISE. 45.5.3. ALL SHEET METAL DUCT LOCATED OUTSIDE THE THERMAL ENVELOPE OF THE BUILDING: R-8 MINIMUM		NEW DUCTWORK EXISTING DUCTWORK TO BE REMOVED		
22. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND THE ELECTRICAL DRAWINGS.	INSTALLED. 46. LINE ALL SHEETMETAL DUCTWORK A MINIMUM OF 10'-0" DOWNSTREAM OF ALL AIR HANDLING UNITS, FAN COIL		RADIUS MITERED ELBOW		
23. ALL REQUIRED CONTROL WIRING (INCLUDING POWER WIRING REQUIRED FOR CONTROL PANELS, DEVICES, ETC.) NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK. WIRING IN	UNITS AND TERMINAL UNITS. THE LEADING EDGE OF THE DUCT LINER SHALL HAVE A SHEETMETAL NOSING.		ELBOW WITH TURNING VANES		
HVAC PLENUM SPACES SHALL BE INSTALLED ACCORDING TO CODE REQUIREMENTS. 24. UNLESS NOTED OTHERWISE, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL			90 DEGREE RETORN AIR ELBOW UP/DOWN AIR ELBOW UP/DOWN		
MECHANICAL SYSTEMS SHALL BE FURNISHED WITH THE EQUIPMENT IT SERVES AND INSTALLED BY THE MECHANICAL CONTRACTOR. MOTOR STARTERS FOR HVAC EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR			SIZE TRANSITION 90 DEGREE EXHAUST AIR ELBOW UP/DOWN		
AND INSTALLED BY THE ELECTRICAL CONTRACTOR.			SHADE TRANSITION ROUND DUCT		R
			TEE WITH SQUARE		c Z
			ELBOWS, TURNING VANES, AND SPLITTER DAMPER FLEXIBLE DUCT TAP		
			RECTANGULAR DUCT BEVELED TAP ROUND DUCT TAKEOFF WITH DAMPER		
			2		
			MECHANICAL SHEET INDEX		
			Sheet Name		
			M001 MECHANICAL COVER SHEET		
			M101 MECHANICAL PLAN		
					A E
					2









140	140°F HOT WATER	HP	HORSE POWER
140R	140°F HOT WATER RETURN	HT	HEIGHT
AD	AREA DRAIN INV INVERT ELEVATION		INVERT ELEVATION
AFF	ABOVE FINISH FLOOR	LAV	LAVATORY
AFG	ABOVE FINISHED GRADE	LF	LINEAR FOOT
BFP	BACKFLOW PREVENTER	MAX	MAXIMUM
BV	BALANCING VALVE	MC	MECHANICAL CONTRACTOR
ВТ	BATHTUB	MIN	MINIMUM
СО	CLEAN OUT	MS	MOP SINK
CS	CLINIC SINK	NTS	NOT TO SCALE
CWS	COMBINATION WATER SERVICE	OD	OVERFLOW DRAIN
DCW	DOMESTIC COLD WATER	PC	PLUMBING CONTRACTOR
DD	DECK DRAIN	RD	ROOF DRAIN
DDCV	DOUBLE DETECTOR CHECK VALVE	S	SINK
DF	DRINKING FOUNTAIN	SA	SHOCK ABSORBER
DHW	DOMESTIC HOT WATER	SAN	SANITARY
DHWR	DOMESTIC HOT WATER RETURN	SDL	SPRINKLER DRAIN LINE
DN	DOWN	SE	SEWAGE EJECTOR
DS	DOWNSPOUT	SF	SQUARE FOOT
DWH	DOMESTIC WATER HEATER	SH	SHOWER
EC	ELECTRICAL CONTRACTOR	SP	SUMP PUMP
ET	EXPANSION TANK	SS	SANITARY SEWER
EWC	ELECTRIC WATER COOLER	STM	STORM
EWH	ELECTRIC WATER HEATER	SUC	SITE UTILITY CONTRACTOR
FCO	FLOOR CLEANOUT	SW	SOFT WATER
FD	FLOOR DRAIN	TD	TRENCH DRAIN
FDC	FIRE DEPARTMENT CONNECTION	TMV	THERMOSTATIC MIXING VALVE
FDV	FIRE DEPARTMENT VALVE	TP	TRAP PRIMER
FOG	FATS / OILS / GREASE	TS	TAMPER SWITCH
FR	FIRE RISER	TYP	TYPICAL
FS	FLOW SWITCH	UF	UTILITY FIXTURE
FSC	FIRE SUPPRESSION CONTRACTOR	UG	UNDERGROUND
G	GAS (NATURAL)	UNO	UNLESS NOTED OTHERWISE
GC	GENERAL CONTRACTOR	UR	URINAL
GCO	GRADE CLEANOUT	V	VENT
GPM	GALLONS PER MINUTE	VR	VENT RISER
GRD	GRADE	VTR	VENT THROUGH ROOF
НВ	HOSE BIBB	WC	WATER CLOSET
НС	HVAC CONTRACTOR	WCO	WALL CLEANOUT
НСО	HORIZONTAL CLEANOUT	WH	WALL HYDRANT
HD	HUB DRAIN		

<u>N</u>	OTES:			
1.	ALL SYMBOLS MAY NOT APPLY.			
	CODED PLAN NOTE		DETAIL#	REFERENCE TA
	EQUIPMENT DESIGNATION		SHEET#	NEI ENENGE IA
	BACKFLOW PREVENTER		BALANG	CING VALVE
+0+	BALL VALVE	+++	BUTTER	RFLY VALVE
	CAP OFF EXISTING	1	CHE	CK VALVE
СО	CLEANOUT PLUG		DOUBLE DETEC	CTOR CHECK VALVE
♦	DRY-PIPE VALVE	_	FIRE AL	ARM VALVE
*	FIRE DEPARTMENT CONNECTION	\ominus	FIRE PROTECTION (CONCEALED SPRINKL
•	FIRE PROTECTION PENDANT SPRINKLER	\boxtimes	FIRE PROTECTION S	SPRINKLER WITH GUA
\circ	FIRE PROTECTION UPRIGHT SPRINKLER	CO	FLOOR	CLEANOUT
\Rightarrow	FLOOR DRAIN	FS	FLOV	V SWITCH
⊣ ∇ ⊢	GAS COCK	->>-	GAT	E VALVE
	MIXING VALVE	— <u> </u>	PIPIN	IG DOWN
	PIPING OUT BOTTOM	_U_	PIPINO	OUT TOP
— <u>—</u> —	PIPING RISE OR DROP	-0	PIF	ING UP
→ > +	PLUG VALVE	•	POINT OF	CONNECTION
\Diamond	PRE-ACTION VALVE		PRESSURE F	REDUCING VALVE
\bigcirc	RECIRCULATION PUMP	0	ROOF / OV	ERFLOW DRAIN
-\$-	SOLENOID VALVE	++	STI	RAINER
TS	SUPERVISED GATE VALVE		TES	ST PLUG
+++	THERMOMETER	$- \vdash$	U	INION
	UTILITY METER - GAS / WATER	-+	WALL HYDR	ANT / HOSE BIBB

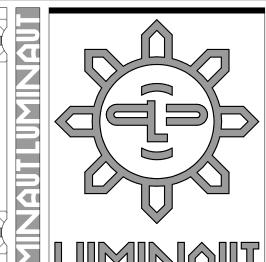
PLUMBING LINETYPE LEGEND

- DOMESTIC COLD WATER — — — — — CW — — — — DOMESTIC COLD WATER UNDERGROUND DOMESTIC HOT WATER ---- S ---- Sanitary underground VENT

GENERAL NOTES:

- A. THIS WORK SHALL BE EXECUTED IN STRICT CONFORMITY WITH THE LATEST EDITION OF THE PREVAILING STATE PLUMBING AND BUILDING CODES AND ALL LOCAL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL
- B. ALL PLUMBING FIXTURES SHALL BE SUPPLIED WITH INDIVIDUAL HEAVY DUTY SUPPLY STOPS AND CODE APPROVED P-TRAPS WITH CLEANOUTS. EXPOSED PIPING SHALL BE CHROME PLATED WITH CHROMED ESCUTCHEONS AT WALL PENETRATIONS.
- C. NO PIPING SHALL PASS DIRECTLY OVER ELECTRICAL POWER DISTRIBUTION CABINETS. CONTRACTOR SHALL COORDINATE PANEL LOCATIONS, PRIOR TO PIPING INSTALLATION.
- D. ALL FLOOR DRAIN AND HUB DRAIN TRAPS SHALL BE PROVIDED WITH TRAP PRIMERS OR TRAP GUARDS, PER LOCAL CODES.
- E. ALL HORIZONTAL VENT PIPING MAY NOT BE SHOWN ON THIS PLAN FOR THE SAKE OF CLARITY. REFER TO SANITARY ISOMETRIC FOR VENT PIPE ROUTING AND PROVIDE COMPLETE VENTING SYSTEM IN ACCORDANCE WITH
- F. ALL PLUMBING WORK SHALL BE COORDINATED WITH ALL OTHER TRADES, PRIOR TO CONSTRUCTION.
- G. ALL DOMESTIC WATER BRANCH LINES SHALL HAVE FULL PORT, TWO PIECE BALL TYPE, ISOLATION VALVES.
- H. PROVIDE WATER HAMMER ARRESTORS (WHA) AS REQUIRED, WITH QUICK CLOSING VALVES AND ON SYSTEMS WITH HIGHER THAN NORMAL PRESSURE, WHERE WATER HAMMER MAY BE AN
- I. INSTALL ALL FLOOR CLEANOUTS TO CLEAR EQUIPMENT AND PROVIDE REQUIRED ACCESSIBILITY FOR MAINTENANCE.
- J. VERIFY INVERT ELEVATIONS AND EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES, PRIOR TO INSTALLING ANY UNDERGROUND PIPING. COORDINATE WITH SITE UTILITY CONTRACTOR.

PLUMBING SHEET INDEX			
Sheet Number	Sheet Name		
P001	PLUMBING COVER SHEET		
P101	PLUMBING PLANS		
P601	PLUMBING SCHEDULES		



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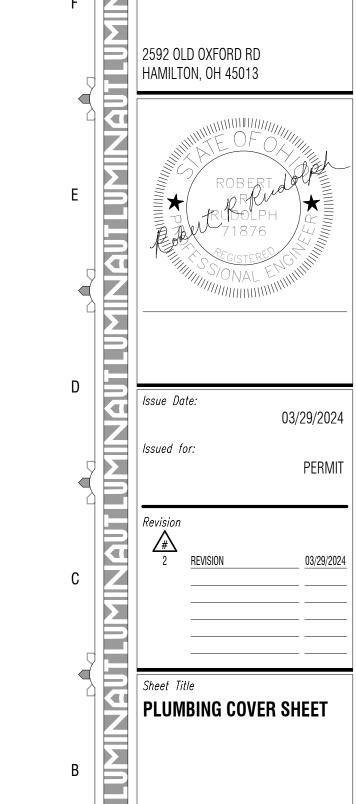
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Project Title

HANOVER TOWNSHIP PARK RESTROOM



03/29/2024

PES - 24042

Project No.

Drawn By:

Reviewed By.

Scale:

