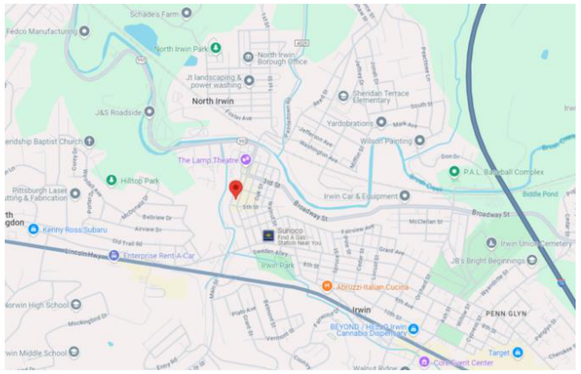
IRWIN BOROUGH RENOVATIONS

IRWIN BOROUGH RENOVATIONS
424 MAIN STREET
IRWIN, PA 15642

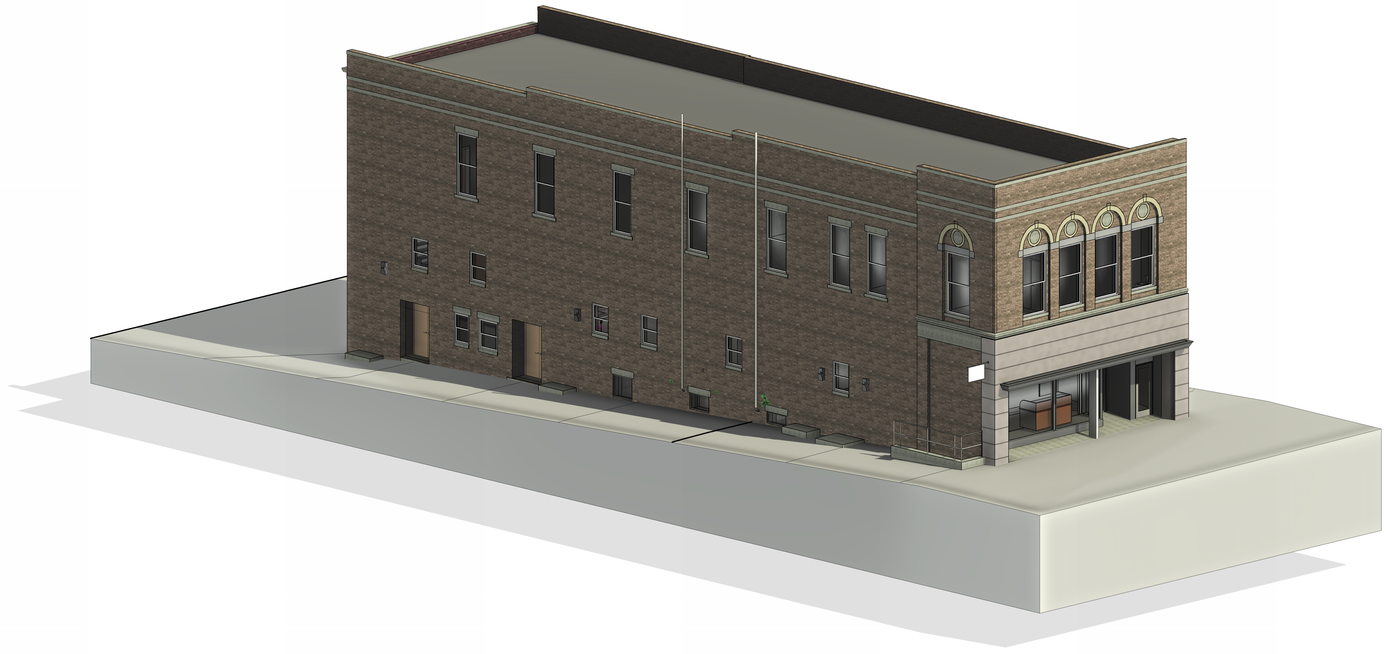
BID/PERMIT SET

APRIL 4, 2025



LOCATION PLAN
NTS

CONTRACT NO. IRWIN 2025-1.1 - GENERAL CONSTRUCTION
CONTRACT NO. IRWIN 2025-1.2 - H.V.A.C. CONSTRUCTION
CONTRACT NO. IRWIN 2025-1.3 - PLUMBING CONSTRUCTION
CONTRACT NO. IRWIN 2025-1.4 - ELECTRICAL CONSTRUCTION



ONE CALL SERIAL NO.: 20202402635

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE–STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC.
1–800–242–1776

PENNSYLVANIA ACT 287 (1974) AS AMENDED BY ACT 50 (2017), REQUIRES NO LESS THAN 3 WORKING DAYS NOTICE NOR MORE THAN 10 WORKING DAYS NOTICE FROM EXCAVATORS WHO ARE ABOUT TO: DIG, DRILL, BLAST, AUGER, BORE, GRADE, TRENCH, OR DEMOLISH WHEN IN THE CONSTRUCTION PHASE. FOR LOCATION REQUESTS IN THE STATE OF PENNSYLVANIA, CALL TOLL FREE 1–800–242–1776. DESIGNATION OF PROPOSED UNDERGROUND UTILITIES IN THE CONTRACT AREA BY THE LOCATION MUST BE CONSIDERED APPROXIMATE. OTHER UNDERGROUND UTILITIES MAY EXIST WHICH ARE NOT SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN ALL PHYSICAL LOCATIONS OF UTILITY LINES PRIOR TO THE TIME OF CONSTRUCTION. IN NO WAY SHALL THE CONTRACTOR HOLD THE SURVEYOR RESPONSIBLE FOR ANY UTILITY LOCATION SHOWN ON THIS PLAN.

PROJECT TEAM

OWNER
SHARI MARTINO
MANAGER, BOROUGH OF IRWIN
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PHONE: (724) 864-3100, Ext. 15

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ELECTRICAL
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CONTACT: ERIC HULINGS
E-MAIL: ehulings@cecinc.com

LIST OF CONTACTS

ELECTRIC SERVICE
WEST PENN POWER
1307 MISSION ROAD
LATROBE, PA 15650
CONTACT: JAMES PIPER
PHONE: (724) 830-2937

GAS SERVICE
PEOPLES GAS
375 NORTH SHORE DRIVE, SUITE 600
PITTSBURGH, PA 15212
CONTACT: BRANDON DATZ
(412) 258-4708

SANITARY SERVICE
GREATER GREENSBURG SEWAGE AUTHORITY
P.O. BOX 248
GREENSBURG, PA 15601
CONTACT: DIANE DIABLE
(724) 837-1890 ext. 106

TELEPHONE/CABLE 1
COMCAST
1241 BUSINESS ROUTE 66
GREENSBURG, PA 15601
CONTACT: BRIAN WOLLER
(724) 691-0614

WATER SERVICE
MUNICIPAL AUTHORITY OF WESTMORELAND COUNTY
P.O. BOX 730
GREENSBURG, PA 15601
CONTACT: SCOTT SACHS
(724) 953-9850

TELEPHONE/CABLE 2
VERIZON
508 OLD FRANKSTOWN ROAD
MONROEVILLE, PA 15146
CONTACT: MICHAEL FOWKES
(412) 558-5601

DRAWING LIST

ARCHITECTURAL	
AR01-0000	COVER SHEET AND DRAWING LIST
AR01-0002	PARTITION TYPES, SYMBOLS, ABBREVIATIONS, AND LEGEND
AR01-0003	CODE DATA AND DETAILS
AR01-0004	STRUCTURAL GENERAL NOTES
AR01-0010	BASEMENT LIFE SAFETY PLAN
AR01-0011	1ST FLOOR LIFE SAFETY PLAN
AR01-1000	BASEMENT DEMOLITION PLAN
AR01-1001	1ST FLOOR DEMOLITION PLAN
AR01-1010	BASEMENT FLOOR PLAN
AR01-1011	1ST FLOOR PLAN
AR01-1012	2ND FLOOR PLAN
AR01-1020	ENLARGED FLOOR PLAN AND INTERIOR ELEVATIONS
AR01-1021	ENLARGED FLOOR PLAN AND INTERIOR ELEVATIONS
AR01-2000	BASEMENT REFLECTED CEILING PLAN
AR01-2001	1ST FLOOR REFLECTED CEILING PLAN
AR01-2002	2ND FLOOR REFLECTED CEILING PLAN
AR01-3000	ROOF PLAN , WINDOW TYPES AND DETAILS
AR01-4000	EXTERIOR ELEVATIONS
AR01-4001	EXTERIOR ELEVATION, DOOR AND WINDOW DETAILS
AR01-5000	BUILDING SECTIONS
AR01-5001	STRUCTURAL DETAILS
AR01-6000	DOOR SCHEDULE, TYPES AND DETAILS
AR01-7000	CASEWORK DETAILS
AR01-8000	BASEMENT FINISH PLAN AND SCHEDULE
AR01-8001	1ST FLOOR FINISH PLAN AND SCHEDULE
PLUMBING	
PI01-2001	PIPING - OVERALL PLAN VIEW
PI01-2002	PIPING - OVERALL 2ND FLOOR PLAN
PI01-2003	PIPING - SECTIONS
PI01-2004	PIPING - RISER DIAGRAMS
MECHANICAL	
ME01-2001	GENERAL INFORMATION - GENERAL NOTES AND LEGEND
ME01-2002	HVAC - SCHEDULES
ME01-2003	HVAC - PLAN VIEW - BASEMENT
ME01-2004	HVAC - PLAN VIEW - FIRST FLOOR
ME01-2005	HVAC - PLAN VIEW - SECOND FLOOR
ME01-2006	HVAC - SECTIONS
ELECTRICAL	
EL00-0000	OVERALL SITE/GENERAL INFORMATION - DRAWING INDEX
EL00-1000	OVERALL SITE/GENERAL INFORMATION - LEGEND, NOTES & ABBREVIATIONS
EL00-5000	OVERALL SITE/GENERAL INFORMATION - POWER DISTRIBUTION DETAILS
EL00-6000	OVERALL SITE/GENERAL INFORMATION - LIGHTING NOTES, LEGEND & BILL OF MATERIAL
EL01-5000	BASEMENT DEMO PLAN
EL01-5001	1ST FLOOR DEMO PLAN
EL01-5010	BASEMENT POWER DISTRIBUTION PLAN
EL01-5011	1ST FLOOR POWER DISTRIBUTION PLAN
EL01-6010	BASEMENT LIGHTING PLAN
EL01-6011	1ST FLOOR LIGHTING PLAN

IRWIN — FIND YOUR PLACE HERE

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. KEECH	S. MARITZER	BID/PERMIT SET

700 Cherrington Parkway
Moon Township, Pa 15108
412-429-2324 • 800-385-2324
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Civil & Environmental Consultants, Inc.

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
COVER SHEET AND DRAWING LIST

DATE:	JANUARY 2025
DRAWN BY:	B. KEECH
DWG SCALE:	AS SHOWN
CHECKED BY:	S. MARITZER
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

REGISTERED ARCHITECT — COMMONWEALTH OF PENNSYLVANIA — SCOTT A. MARITZER

DRAWING NO.:
AR01-0000
SHEET OF **1**

ABBREVIATIONS

A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ABT	ABOUT
ACC	ACCESSIBLE
ACT	ACOUSTICAL CEILING TILE
AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR, ANCHORAGE
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL, ARCHITECT
ASPH	ASPHALT
ASSY	ASSEMBLY
ATTEN	ATTENUATION
AUTH	AUTHORIZED
AUTO	AUTOMATIC
AUX	AUXILIARY
AVG	AVERAGE
AWI	ARCHITECTURAL WOODWORK INSTITUTE
AWP	ACOUSTICAL WALL PANEL
AX	AXIS
B/	BOTTOM OF
BA	BATH
BD	BOARD
BHD	BULKHEAD
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK
BOT	BOTTOM
BR	BEDROOM
BRG	BEARING
BS	BOTH SIDES
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOFING
BW	BOTH WAYS
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
CAB	CABINET
CATV	CABLE TELEVISION
CB	CATCH BASIN
CBB	CEMENTITIOUS BACKER BOARD
CEM	CEMENT
CER	CERAMIC
CG	CORNER GUARD
CHAM	CHAMFER
CHAN	CHANNEL
CHKD	CHECKED
CI	CAST IRON
CIP	CAST-IN-PLACE
CIR	CIRCLE
CJ	CONTROL JOINT
CL	CLOSET
CLG	CEILING
CLG HT	CEILING HEIGHT
CLR	CLEAR, CLEARANCE
CLS	CEMENTITIOUS LAP SIDING
CMU	CONCRETE MASONRY UNIT
CO	CASED OPENING
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
CPT	CARPET, CARPETED
CSS	CEMENTITIOUS SHINGLE SIDING
CT	CERAMIC TILE
CTR	CENTER
CTRD	CENTERED
CU	CUBIC
DA	DOUBLE ACTING
DEM	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTANCE
DN	DOWN
DP	DAMP PROOFING
DR	DINING ROOM
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING, DRAWINGS
DWR	DRAWER
(E)	EXISTING
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EP	ELECTRICAL PANEL BOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPOSED
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FF&E	FURNITURE, FIXTURES, & EQUIPMENT
FFE	FINISH FLOOR ELEVATION
FFGS	FIBERGLASS FACED GYPSUM SHEATHING
FHC	FIRE HOSE CABINET
FIN	FINISH, FINISHED
FIXT	FIXTURE
FLASH	FLASHING
FLR	FLOOR, FLOORING
FLUOR	FLUORESCENT
FND	FEMININE NAPKIN DISPOSAL
FNV	FEMININE NAPKIN VENDOR
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FRP	FIBER REINFORCED PLASTIC
FRT	FIRE-RETARDANT
FRWB	FIRE RETARDANT WOOD BLOCKING
FRZ	FREEZER
FT	FEET
FTG	FOOTING
FUR	FURRING, FURRED
GA	GAGE, GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFRC	GLASS FIBER REINFORCED CEMENT BOARD
GL	GLASS, GLAZING
GLB	GLASS BLOCK
GR	GUARDRAIL
GRTG	GRATING
GRTL	GIRT LINE
GWB	GYPSUM WALL BOARD
HB	HOSE BIBB
HC/HD	HOLLOW CORE
HD	HEAVY DUTY
HDR	HEADER
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR

ABBREVIATIONS

HT	HEIGHT
HVAC	HEATING/ VENTILATION/ AIR CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
ID	INSIDE DIAMETER
INCL	INCLUDE, INCLUDING
INS	INSULATE, INSULATION
INT	INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
KIT	KITCHEN
KO	KNOCKOUT
L	LENGTH
LAB	LABEL
LAD	LADDER
LAM	LAMINATE, LAMINATED
LAV	LAVATORY
LB	POUND
LOC	LOCATION
LONG	LONGITUDINAL
LP	LOW POINT
LPT	LOW POINT
LR	LIVING ROOM
LT	LIGHT
LTR	LINTEL
LVR	LOUVER
LW	LIGHT WEIGHT
MASNRY	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MC	MEDICINE CABINET
MECH	MECHANICAL
MED	MEDIUM
MEM	MEMBRANE
MFD	MANUFACTURED
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODULAR
MOV	MOVABLE
MRB	MARBLE
MRBT	MARBLE THRESHOLD
MT	METAL THRESHOLD
MTD	MOUNTED
MTL	METAL
MULL	MULLION
N	NORTH
N/A	NOT APPLICABLE
NAT	NATURAL
NIC	NOT IN CONTRACT
NO/NO.	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O	OVEN
OA	OVERALL
OC	ON CENTER (S)
OCC	OCCUPANTS/OCCUPANCY
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPG	OPENING
OPH	OPPOSITE HAND
OPP	OPPOSITE
PAR	PARALLEL
PART	PARTITION
PED	PEDESTAL
PERF	PERFORATE
PERIM	PERIMETER
PFN	PREFINISHED
PL	PLASTIC LAMINATE
PLAS	PLASTER
PLCS	PLACES
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT, PAINTED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTR	PAPER TOWEL RECEPTOR
PTT	PEDESTRIAN TRAFFIC TOPPING
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R	RADIUS, RISER
RA	RETURN AIR
RB	RESILIENT BASE, RUBBER BASE
RCL	RETRACTABLE CLOTHESLINE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RE	REFERENCE
REF	REFRIGERATOR
REFL	REFLECTED, REFLECTIVE, REFLECTOR
REINF	REINFORCE, (ED), (ING), (MENT)
REM	REMOVE
RES	RESISTIVE
RESIL	RESILIENT
RET	RETURN
REV	REVISION, (S), (ED)
RFG	ROOFING
RFH	ROOF HATCH
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
RV	ROOF VENT
S	SOUTH
S&R	SHELF & ROD
SC	SOLID CORE
SCH	SCHEDULE
SCN	SCREEN
SD	SOAP DISH
SECT	SECTION
SH	SHELF, SHELVING
SHT	SHEET
SIM	SIMILAR
SKL	SKYLIGHT
SPEC	SPECIFICATION (S)
SPK	SPEAKER
SPR	SINGLE-PLY-ROOFING
SQ	SQUARE
SR	SHOWER ROD
SS	SERVICE SINK
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED (TION)
SYM	SYMMETRY
SYM	SYMMETRIC (AL)
SYN	SYNTHETIC
SYS	SYSTEM
T	TREAD
T&G	TONGUE AND GROOVE
T/	TOP OF
TB	TOWEL BAR
TC	TERRA COTTA
TD	TRAVEL DISTANCE
TEL	TELEPHONE
TEM	TEMPERED
TEMP	TEMPORARY
THK	THICK
THR	THRESHOLD
TOC	TOP OF CURB
TOL	TOLERANCE
TOP	TOP OF PAVEMENT
TOS	TOP OF SLAB
TOW	TOP OF WALL
TPH	TOILET PAPER HOLDER
TPTN	TOILET PARTITION
TSTL	TOP OF STEEL
TV	TELEVISION
TYP	TYPICAL

ABBREVIATIONS

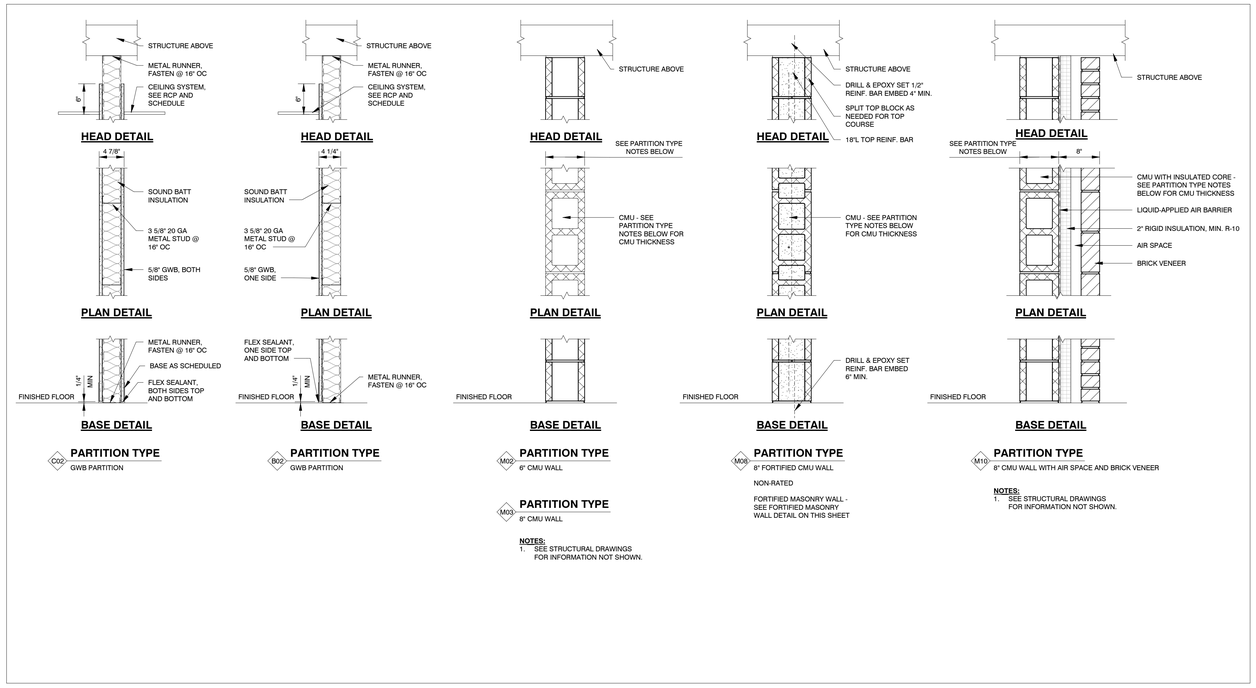
UC	UNDERCUT
UL	UNDERWRITERS LABORATORIES
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VIN	VINYL
VNR	VENEER
VWC	VINYL WALL COVERINGS
W	WIDTH, WIDE
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WCV	WALL COVERINGS
WD	WOOD
WG	WIRE GLASS
WH	WATER HEATER
WIN	WINDOW
WP	WATERPROOFING
WPT	WORKING POINT
WS	WATERSTOP
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

ARCHITECTURAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
X DETAIL NUMBER / ARXX-XXXX SHEET NUMBER	DETAIL CALLOUT
X SECTION NUMBER / ARXX-XXXX SHEET NUMBER	SECTION MARK
1	DRAWING REVISION
LEVEL NAME FLOOR / ELEVATION 0'-0"	LEVEL HEAD
NORTH	NORTH ARROW
X	GRID BUBBLE
SLOPE X	SLOPE MARKS
	CENTERLINE
T/XXXX 0'-0" ELEVATION / SURFACE REFERENCED	SPOT ELEVATIONS
XXX	DOOR TAG
X	WINDOW TAG
XXXXXXX ROOM NAME / XXX ROOM NUMBER / XXX SF AREA / XXX OCC OCCUPANCY	ROOM TAGS
XXX	WALL TAG
X ELEVATION NUMBER / ARXX-XXX SHEET NUMBER	EXTERIOR ELEVATION
X ELEVATION NUMBER / X SHEET NUMBER	EXTERIOR ELEVATION
X	TOILET ACCESSORY TAG
+X' - X"	CEILING HEIGHT
X' - X"	DIMENSION LINE
	MATCHLINE

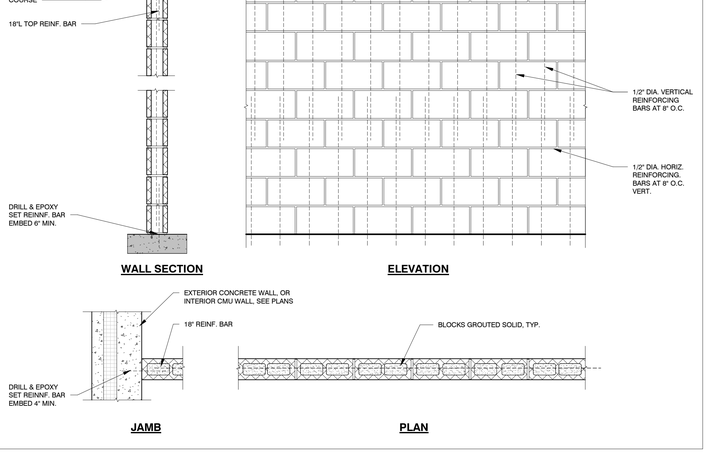
MATERIAL LEGEND

SYMBOL	DESCRIPTION
	EARTH
	GRAVEL FILL
	CONCRETE
	CONCRETE MASONRY UNIT (CMU)
	STEEL
	STEEL GRATING
	GYPSUM BOARD
	RIGID INSULATION
	BATT INSULATION
	NOMINAL CUT LUMBER
	FINISH WOOD
	PLYWOOD



1 **PARTITION TYPES**
1" = 1'-0"

NOTES:
1. SEE STRUCTURAL DRAWINGS FOR INFORMATION NOT SHOWN.



2 **FORTIFIED CMU WALL**
1 1/2" = 1'-0"

PARTITION TYPES GENERAL NOTES

1. ALL GYPSUM BOARD TO BE 5/8" TYP UNLESS NOTED OTHERWISE.
2. PROVIDE TYP 'X' GYPSUM WALL BOARD AT ALL FIRE RATED PARTITIONS.
3. PROVIDE IMPACT RESISTANT GYPSUM WALL BOARD AT ALL STAIR LOCATIONS.
4. SEE STRUCTURAL DRAWINGS FOR INFORMATION NOT SHOWN.
5. COORDINATE CMU PARTITIONS WITH REGARDS TO MECHANICAL AND ELECTRICAL FOR CONCEALED MECHANICAL, ELECTRICAL, AND PLUMBING OPENINGS.
6. REFER TO ROOM FINISH SCHEDULE AND MATERIAL LEGEND FOR BASE, CEILING AND PARTITION FINISH COAT.
7. ALL FULL HEIGHT PARTITIONS TO ACCOMODATE MINIMUM 3/4" DEFLECTION.
8. REFER TO EXTERIOR ELEVATIONS AND WALL SECTIONS FOR INFORMATION ON EXTERIOR WALL SYSTEMS.

REVISION RECORD

NO	DATE	DESCRIPTION
0	04 APR 2025	BID/PERMIT SET

DRAWN: B. KEECH
CHECK: S. MARITZER

700 Cherrington Parkway
Moon Township, Pa 15108
412-429-2324 • 800-365-2324
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Civil & Environmental Consultants, Inc.

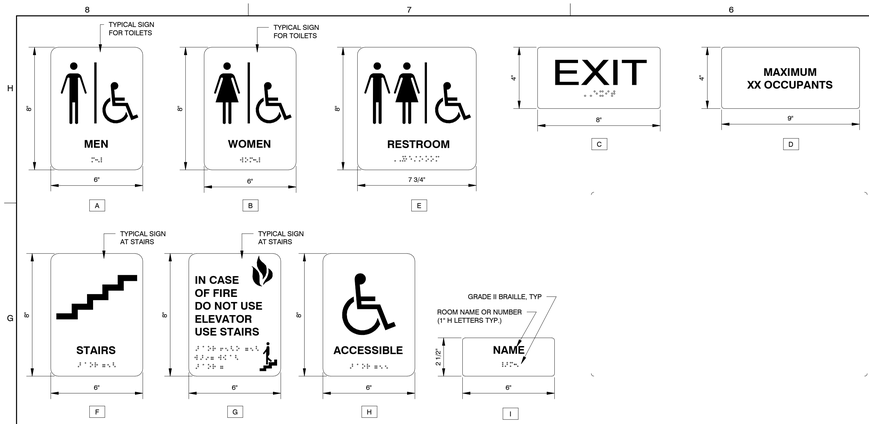
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
PARTITION TYPES, SYMBOLS, ABBREVIATIONS, AND LEGEND

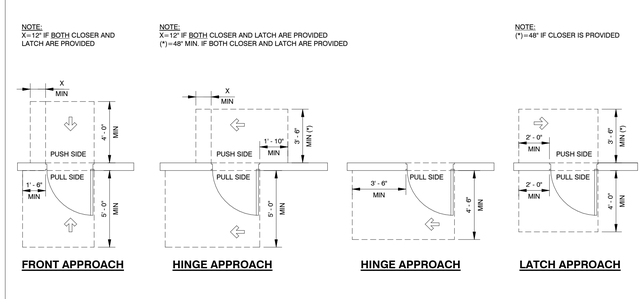
DATE: JANUARY 2025
DWG SCALE: AS SHOWN
PROJECT NO: 347-193
DRAWN BY: B. KEECH
CHECKED BY: S. MARITZER
APPROVED BY: R. SUSALLA

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

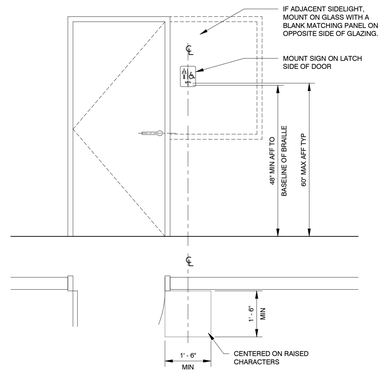
DRAWING NO.: AR01-0002
SHEET OF 1



AR01 SIGN DETAILS
NTS



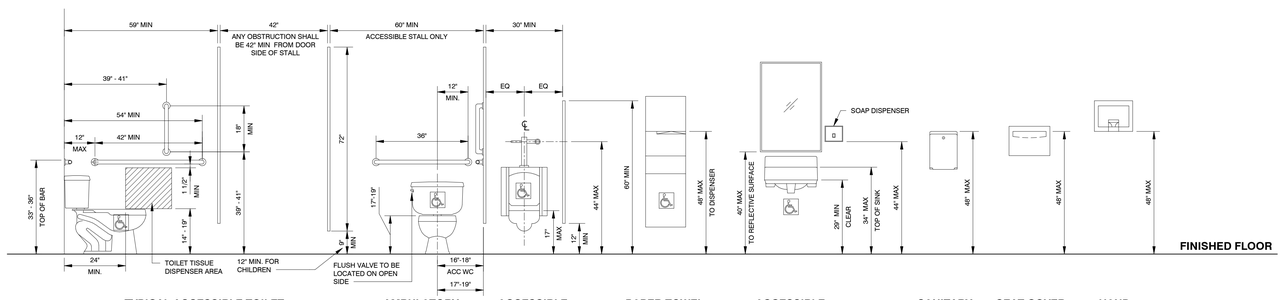
AR02 DOOR CLEARANCE
NTS

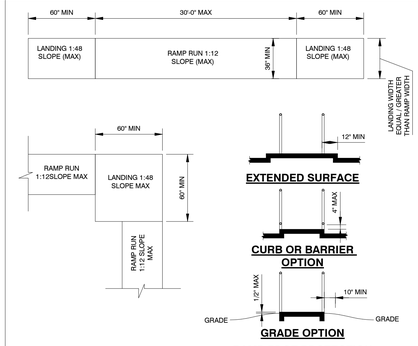


AR03 SIGN MOUNTING LOCATION
NTS

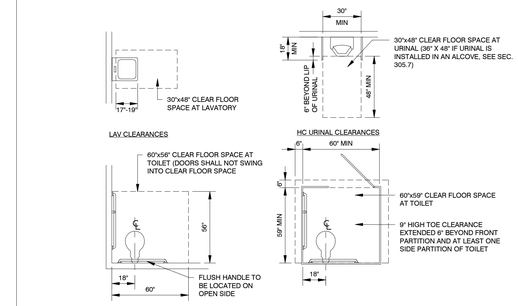
ACCESSIBILITY NOTES

1. THESE DIMENSIONS ARE REQUIREMENTS FOR MANEUVERING AREA AND FOR THE LOCATION OF FIXTURES, DEVICES, AND TOILET ACCESSORIES. CONFLICTS WITH THE DRAWING DETAILS OR DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
2. NOT ALL OF THESE DIMENSIONS OR DETAILS MAY BE APPLICABLE TO THIS PROJECT. THIS INFORMATION IS PROVIDED FOR REFERENCE PURPOSES.
3. IF NOT DETERMINED OTHERWISE, STANDARD ADA 'REACH RANGE' IS 15'-48'.
4. ALL PIPING FOR ACCESSIBLE LAVS, INCLUDING DRAIN PIPING UNDER COUNTER TO BE INSULATED.
5. ACCESSIBLE SIGNAGE SHALL HAVE 18" WIDE x 18" DEEP CLEAR FLOOR SPACE (SEE ANSI A117.1-2009 FOR ALTERNATE SIGN LOCATION).
6. DENOTES FIXTURES TO MEET THE ACCESSIBILITY REQUIREMENTS OF PERSONS WITH DISABILITIES.
7. HORIZONTAL GRAB BARS SHALL BE PROVIDED ACROSS THE CONTROL WALL & ON THE BACK WALL TO A POINT 18" FROM CONTROL WALL OF SHOWER.
8. VERTICAL GRAB BAR, 18" MIN IN LENGTH, SHALL BE PROVIDED ON THE CONTROL END WALL 3" TO 6" ABOVE THE HORIZONTAL GRAB BAR & 4" MAX INWARD FROM FRONT EDGE OF SHOWER
9. RAMP & LANDING CROSS SLOPES 1:48 MAX.
10. HANDRAILS REQUIRED AT RAMPS WITH 6" OR MORE RISE.
11. EDGE PROJECT AT RAMPS SHALL BE REQUIRED WHERE DROP-OFF ALONG EDGE IS GREATER THAN 1/2" WITHIN 10" OF RAMP EDGE.
12. 42" HIGH GUARDRAILS SHALL BE PROVIDED WHERE EDGE DROP-OFF GREATER THAN 30 INCHES.
13. CONTRACTOR TO SUPPLY AND INSTALL SIGNS AS SHOWN ON THIS SHEET, AS NOTED ELSEWHERE ON DRAWINGS, AND AS REQUIRED BY ANY OTHER CODE OR AGENCY HAVING JURISDICTION.

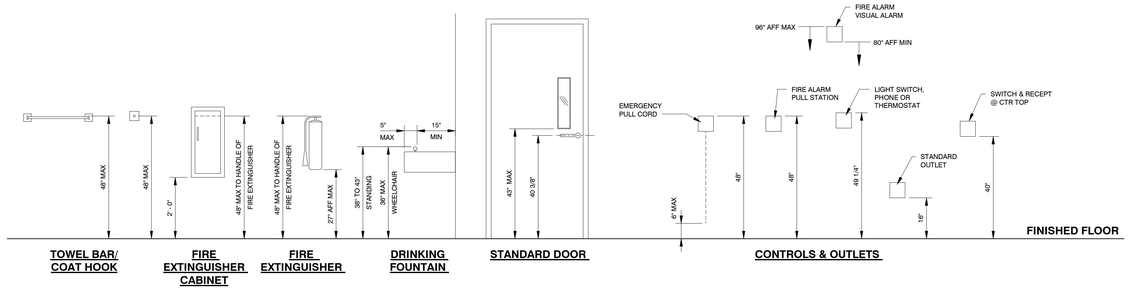




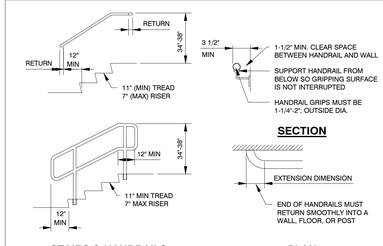
AR05 RAMP DETAILS
NTS



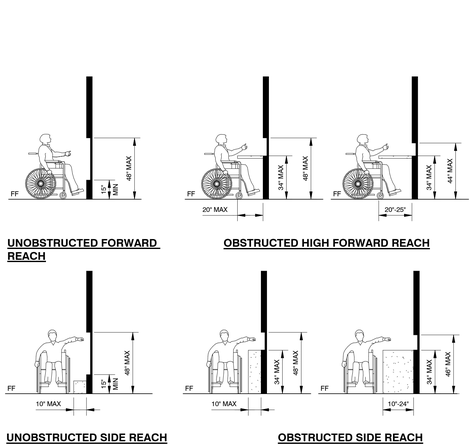
AR07 CLEAR SPACE
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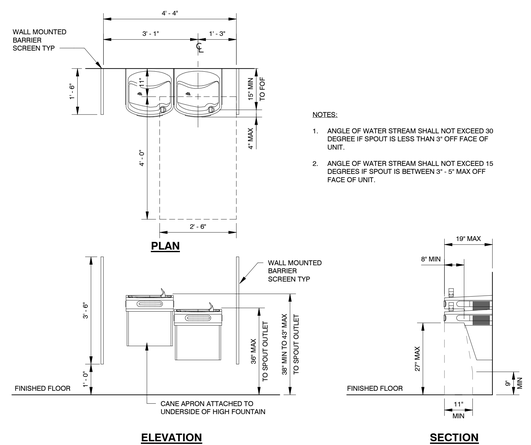
AR04 MOUNTING HEIGHTS
NTS



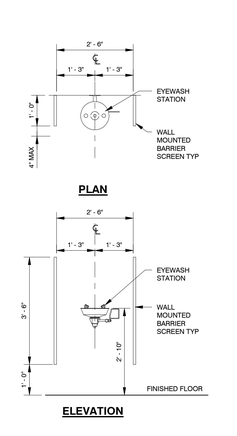
AR06 STAIR DETAILS
NTS



AR08 REACH RANGES
NTS



AR09 DRINKING FOUNTAIN
NTS



AR10 EYEWASH STATION
NTS

NO	DATE	DESCRIPTION
0	04 APR 2025	BID/PERMIT SET

DRAWN: B. KEECH
CHECK: S. MARITZER

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BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
CODE DATA AND DETAILS

DATE:
DWG SCALE: AS SHOWN
PROJECT NO: 347-133
APPROVED BY: R. SUSALLA

DRAWING NO.: AR01-0003
SHEET OF 1

GENERAL STEEL NOTES

STEEL FABRICATOR:

1. SUBMIT STANDARD DETAILS FOR HANDRAIL, TOE PLATE, LADDERS, CAGES, & SELF CLOSING GATES TO OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO FABRICATION.
2. ALL STEEL INCLUDING BUT NOT LIMITED TO STRUCTURAL SHAPES, PLATES, STAIRS, LADDERS AND GUARDRAILS SHALL BE COATED IN ACCORDANCE WITH THE PROJECT STEEL SPECIFICATIONS.

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED BY A FABRICATOR WITH ANY ONE OF THE FOLLOWING MINIMUM QUALIFICATIONS. QUALIFICATIONS SHALL BE IN EFFECT AT TIME OF BID.
   A. INTERNATIONAL ACCREDITATION SERVICE, INC. (IAS) APPROVED FABRICATOR.
   B. AISC CERTIFIED FABRICATOR (STD).
   C. FABRICATOR SHALL SUBMIT DOCUMENTATION OF THEIR CERTIFICATION WITH THE FIRST SHOP DRAWING SUBMITTAL.
2. UNLESS OTHERWISE NOTED, THE SHOP DRAWING REVIEW TIME WILL BE IN ACCORDANCE WITH SECTION 4.4 OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
   THE WORD APPROVED IN SECTION 4.4 IS REDEFINED AS REVIEWED.
3. STEEL PROPERTIES:

A.	WIDE FLANGE COLUMNS, BEAMS AND TEES	ASTM A992
B.	CHANNELS	ASTM A992
C.	PLATES AND ANGLES	ASTM A572 GRADE 50
D.	PIPE STEEL	ASTM A53 TYPE E OR S GRADE B
E.	TUBULAR HOLLOW STRUCTURAL SHAPES STEEL	ASTM A500, GRADE C
F.	BOLTS	ASTM F3125 GRADE A325 UNLESS NOTED
a.	PRIMARY FIELD CONNECTIONS SHALL BE BOLTED, USING 3/4"Ø , BEARING TYPE CONNECTION WITH THREADS INCLUDED IN SHEAR PLANE, A563 GRADE DH HEAVY HEX NUT , & (2) A436 WASHERS.	
b.	CONNECTIONS DESIGNATED AS PRE-TENSIONED OR SLIP CRITICAL INCLUDE DIRECT TENSION INDICATING (DTI) WASHER PER ASTM F959 WITH INK INDICATORS (OR APPROVED EQUIVALENT). THESE ARE TO BE INSTALLED AND TIGHTENED PER MANUFACTURERS REQUIREMENTS. HARDENED OVERSIZED WASHERS ARE TO BE USED UNDER DTI WASHER ON ALL SLOTTED OR OVERSIZED HOLES.	(AS SPECIFIED BY EQUIPMENT SUPPLIER)
G.	EQUIPMENT SUPPORTED FROM STEEL	ASTM F3125 GRADE A325
H.	BOLTS AT COLUMN CAP PLATES AND WALL BEARING PLATES	
I.	STAINLESS STEEL	ASTM A276, TYPE 304
a.	ANGLES AND CHANNELS	ASTM A240, TYPE 304
b.	PLATES	

4. IF IT IS NECESSARY TO SPLICE ANY MEMBER, SPLICE LOCATIONS ARE SUBJECT TO REVIEW BY THE ENGINEER OF RECORD. SHOP SPLICES SHALL BE FULL PENETRATION WELDED AND TESTED PER THIS SECTION. INDICATE ALL SPLICE LOCATIONS, AND WELDING PROCEDURES ON SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.
5. ALL BEAMS SHALL BE ERECTED WITH THE NATURAL CAMBER UPWARDS.
6. SLAG SHALL BE REMOVED FROM ALL COMPLETED WELDS, AND THE WELD AND ADJACENT BASE METAL SHALL BE CLEANED BY BRUSHING OR OTHER SUITABLE MEANS. WELDED JOINTS SHALL NOT BE PAINTED UNTIL AFTER WELDING HAS BEEN COMPLETED AND THE WELD ACCEPTED. ALL COMPLETE PENETRATION WELDS SHALL BE TESTED.
7. STEEL FABRICATOR TO COORDINATE ALL BRACING, PLATES, ERECTION BOLTS, ETC. WITH STEEL JOIST MANUFACTURER AND STEEL ERECTOR.
8. MINIMUM CLIP ANGLE AND GUSSET PLATE THICKNESS SHALL BE 3/8" UNLESS NOTED OTHERWISE.
9. WELDS SHALL BE MADE WITH E-70XX ELECTRODES. MINIMUM FILLET WELD SIZE SHALL BE 3/16" OR IN ACCORDANCE WITH AISC 360 CHAPTER J, WHICHEVER IS GREATER. USE PREQUALIFIED WELDED JOINTS PER AISC AND THE AMERICAN WELDING SOCIETY (AWS). NON-PREQUALIFIED JOINTS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.
10. BRACING SHALL BE ON THE CENTERLINE OF COLUMNS AND ALL BRACING CONNECTIONS TO BE CONCENTRIC UNLESS NOTED OTHERWISE. WHERE THIS IS NOT POSSIBLE, CONNECTIONS SHALL BE DESIGNED TO ACCOUNT FOR THE RESULTING ECCENTRICITIES.
11. ALL CONNECTION CLIP ANGLES ON STRUCTURAL MEMBERS SHALL BE SEAL WELDED ALL AROUND. CAULKED CLIP ANGLES WILL NOT BE PERMITTED.
12. EVERY STRUCTURAL PIECE IS TO INCLUDE IDENTIFICATION AS FOLLOWS:
   A. UNIQUE PERMANENT PIECE IDENTIFICATION MARKING SUCH AS PUNCH OR WELD - ON TWO FACES.
   B. UNIQUE PIECE IDENTIFICATION 2D BARCODED LABEL - ON TWO FACES.
   C. IDENTIFICATION OF PIECE ORIENTATION TO ASSIST STEEL ERECTION.
13. WELDS FOR EXTERIOR STEEL EXPOSED TO WEATHER SHALL BE CONTINUOUS TO SEAL CONTACT SURFACES AND SHALL BE SEAL WELDED WHERE STRUCTURAL WELDS ARE NOT SPECIFIED.
14. MEMBER END CONNECTIONS SHALL BE DESIGNED FOR THE AXIAL LOADS SHOWN ON DRAWINGS AS FOLLOWS:
   A. + (TENSION) KIPS
   B. - (COMPRESSION) KIPS
   C. PROVIDED LOAD WILL INCLUDE THE AMPLIFIED SEISMIC LOAD WHEN THE CONNECTION DESIGN REQUIRES THE MEMBER TO RESIST PER AISC 341 SEISMIC DETAILING REQUIREMENTS. INDICATED TRANSFER FORCES DO NOT INCLUDE BRACE COMPONENT FORCES. CONNECTION ENGINEER SHALL INCORPORATE AS REQUIRED.
   D. MEMBERS DESIGNATED (++) ARE SUBJECT TO LOAD REVERSAL AND MUST BE DESIGNATED AS PRE-TENSIONED.
   E. PRE-TENSIONED CONNECTIONS THAT ARE OVERSIZED OR SLOTTED MUST BE DESIGNED AS SLIP-CRITICAL.
15. MEMBER END CONNECTIONS SHALL ALSO BE DESIGNED IN COMBINATION WITH REACTIONS FOR UNIFORMLY LOADED BEAMS, LATERALLY SUPPORTED, AS GIVEN IN THE AISC MANUAL. FORCES SHOWN ARE ALLOWABLE STRESS DESIGN LOADS.
16. WHERE STEEL IS GALVANIZED, ALL WELDED JOINTS ARE TO BE SEAL WELDED CONTINUOUSLY. SEAL WELD BETWEEN INTERMEDIATE WELDS SHOWN AND BETWEEN WELDED CONNECTION ANGLES AT BEAM ENDS.
17. STRUCTURAL STEEL FABRICATOR SHALL FURNISH ALL ANCHOR BOLTS THAT ARE USED TO ATTACH STRUCTURAL STEEL COLUMNS TO CONCRETE FOUNDATIONS. THE FABRICATOR SHALL ALSO FURNISH ANCHOR BOLT SETTING PLAN DRAWINGS FOR USE BY THE CONCRETE FOUNDATION CONTRACTOR.
18. BRACING CONNECTIONS (BOLTED OR WELDED) SHALL BE DESIGNED FOR A MINIMUM OF 22 KIPS (ASD) UNLESS GREATER LOADS ARE SHOWN ON THE DRAWINGS. DO NOT REDUCE LOADS ON THE DRAWINGS UNLESS SPECIFICALLY NOTED TO DO SO. WHERE LOADS ARE NOT PROVIDED USE A MINIMUM OF TWO BOLTS FOR ANGLES OR STEM CONNECTED WT'S OR FOUR BOLTS FOR FLANGE CONNECTED WT'S UNLESS NOTED OTHERWISE.
19. BEAM CONNECTIONS, UNLESS SPECIFICALLY NOTED ON THE DESIGN DRAWINGS, SHALL BE DESIGNED TO SUPPORT 50 PERCENT OF THE TOTAL ASD CAPACITY TABULATED IN THE UNIFORM LOAD TABLES, PART 3 OF THE AISC "STEEL CONSTRUCTION MANUAL", FOR THE GIVEN SHAPE AND STEEL SPECIFIED.
20. CONNECTION DESIGNS SHALL BE BY THE FABRICATOR'S ENGINEER REGISTERED IN THE STATE FOR THE MINIMUM STANDARDS AND LOAD REQUIREMENTS GIVEN UNLESS SPECIFICALLY DETAILED BY CEC, INC. WITHIN THESE CONTRACT DOCUMENTS. THE CONNECTION ENGINEER SHALL PROVIDE A LETTER TO THE EOR BEARING THEIR PE STAMP AND SIGNATURE. THE LETTER SHALL ATTEST THE CONNECTION DESIGN HAS BEEN DONE PER THE SPECIFIED CODE. THE CONNECTION DESIGN ENGINEER SHALL REVIEW THE CONNECTION SHOP. DRAWINGS FOR CONFORMANCE TO THEIR CONNECTION DESIGN PRIOR TO SUBMITTAL FOR REVIEW TO THE ENGINEER OF RECORD. THE CEC, INC. ENGINEER OF RECORD SHALL RETAIN THE RIGHT TO MODIFY THE FABRICATOR'S CONNECTION DESIGN AS REQUIRED DURING THE SHOP DRAWING REVIEW CYCLE. EARLY SUBMITTAL BY THE FABRICATOR AND THEIR CONNECTION DESIGN ENGINEER OF SAMPLE CONNECTION DESIGNS IS ENCOURAGED TO ENSURE ALIGNMENT.
21. MONORAIL BEAMS SHALL HAVE THE LOAD CAPACITY PAINTED ON BOTH SIDES WITH 6" BLACK LETTERS ON YELLOW BACKGROUND.
22. FOR DOUBLE ANGLE BRACING, THE STRUCTURAL STEEL FABRICATOR WILL ADD BIND PLATES BETWEEN ANGLES SPACED AT A MAXIMUM OF 4'-0" ON CENTER WITH ONE CENTER BOLT AND WITH A PLATE THICKNESS TO MATCH GUSSET PLATES AT EACH END.
23. SUBSTITUTION OF MATERIAL SIZE OR SHAPE IS PROHIBITED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
24. ANY PAINTED AREAS DAMAGED DURING SHIPPING, INSTALLATION, CUTTING, BURNING, WELDING OR DRILLING SHALL BE THOROUGHLY CLEANED AND REPAIRED PER THE PROJECT SPECIFICATIONS.
25. COLUMN BASES AND BASE PLATES SHALL BE FINISHED PER AISC 360, SECTION M2.8.
26. THE STEEL ERECTOR SHALL CORRECT MINOR MISALIGNMENTS BY APPLYING MODERATE AMOUNTS OF REAMING, CHIPPING, OR CUTTING AND BY DRAWING MEMBERS INTO LINE WITH THE USE OF DRIFT PINS. MISALIGNMENTS WHICH CANNOT BE CORRECTED BY THE FORGOING MEANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
27. THE FABRICATOR SHALL PROVIDE SHIM PLATES AS REQUIRED TO ALLOW FOR MILL TOLERANCES.
28. TEMPORARY SUPPORTS SUCH AS BRACES, GUYS, FALSE WORK, AND CRIBBING SHALL BE DESIGNED SUPPLIED AND INSTALLED BY THE STEEL ERECTOR TO ENSURE A SAFE ERECTION OPERATION.
29. ANY DISCREPANCIES OR INTERFERENCES FOUND BY THE STRUCTURAL STEEL DETAILER SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO DETAILING STEEL.
30. PROVIDE QUALITY CERTIFICATES FOR ALL BOLTS FOR OWNERS RECORDS.

SPECIAL INSPECTION AND TESTING REQUIREMENTS:

1. SPECIAL INSPECTIONS ARE REQUIRED AND SHALL BE CONDUCTED IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
2. SPECIAL INSPECTION OF SHOP STEEL FABRICATION IS NOT REQUIRED IF PERFORMED BY AN ISO OR AISC CERTIFIED AND APPROVED FABRICATOR.
3. ALL REQUIRED TESTS AND INSPECTION SHALL BE PERFORMED BY A TESTING AGENCY SELECTED, APPROVED AND PAID FOR BY THE OWNER.
4. THE TESTING AGENCY SHALL SEND COPIES OF INSPECTION REPORTS TO THE OWNER AND ENGINEER. DISCREPANCIES AND NON-CONFORMANCES SHALL BE REVIEWED BY THE ENGINEER AND CORRECTED AS NECESSARY.

DRYPACK/FLOWABLE GROUT:

1. THE SPACE BENEATH ALL BASE PLATES AND BEARING PLATES SHALL BE THOROUGHLY CLEANED BEFORE GROUTING. GROUT SOLID BENEATH ALL BASE PLATES AND BEARING PLATES. NO VOIDS ARE PERMISSIBLE. GROUT SHALL BE PER THE FOLLOWING:
   A. CEMENTITIOUS GROUT FOR GROUTING EQUIPMENT BASES SHALL BE MASTERFLOW 928 OR ENGINEER APPROVED EQUAL.
   B. EPOXY GROUT FOR GROUTING OF EQUIPMENT BASES SHALL BE MASTERFLOW 648 OR ENGINEER APPROVED EQUAL.
   C. GROUT STRENGTH AT A MINIMUM MUST BE TWICE THE CONCRETE STRENGTH. IN ADDITION, THE INFLUENCE OF THE TIME SCHEDULE (SCHEDULED TIME LAG BETWEEN GROUTING AND PRE-TENSIONING OF THE ANCHOR BOLTS) SHALL BE CONSIDERED FOR THE REQUIRED STRENGTH.
      a. THE MINIMUM COMPRESSIVE STRENGTH OF THE GROUT SHALL BE:
         - AFTER 1 DAY: 3500 PSI
         - AFTER 3 DAYS: 5100 PSI
         - AFTER 7 DAYS: 7000 PSI
         - AFTER 28 DAYS: 8000 PSI

MISCELLANEOUS REQUIREMENTS:

1. ANY PERMANENT OR TEMPORARY FALL ARREST SYSTEMS OR SAFETY LINES OR BARRIERS ARE TO BE ENGINEERED AND APPROVED BEFORE FABRICATION OR PURCHASE.

STEEL FINISHES:

1. AFTER ALL MATERIAL HAS BEEN PROPERLY CLEANED AND TREATED, APPLY SHOP PRIME COAT TO ALL SURFACES, EXCEPT THOSE INTENDED FOR EMBEDMENT INTO CONCRETE OR TO RECEIVE FIELD WELDING, SLIP CRITICAL BOLTS, OR CEMENTITIOUS FIREPROOFING. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PRIMER AND FIRE PROOFING COMPATIBILITY.
2. ANY PAINTED AREAS DAMAGED DURING SHIPPING, INSTALLATION, CUTTING, BURNING, WELDING OR DRILLING SHALL BE THOROUGHLY CLEANED AND REPAIRED PER THE PROJECT SPECIFICATIONS.
3. THE ASSEMBLY SURFACE, INCLUDING THOSE ADJACENT TO THE WASHER, SHALL BE FREE OF MILL SCALE, OIL, PAINT OR OTHER COATINGS.
4. MONORAIL BEAMS SHOULD HAVE THE LOAD CAPACITY PAINTED ON BOTH SIDES WITH 6" BLACK LETTERS ON A YELLOW BACKGROUND.
5. SLAG SHALL BE REMOVED FROM ALL COMPLETED WELDS, AND THE WELD AND ADJACENT BASE METAL SHALL BE CLEANED BY BRUSHING OR OTHER SUITABLE MEANS. WELDED JOINTS SHALL NOT BE PAINTED UNTIL AFTER WELDING HAS BEEN COMPLETED AND THE WELD ACCEPTED. ALL COMPLETE PENETRATION WELDS SHALL BE TESTED.

GENERAL CONCRETE NOTES

GENERAL

1. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK THAT CONFORMS WITH THE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) SAFETY AND HEALTH STANDARDS FOR THE CONSTRUCTION INDUSTRY.
3. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
4. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE SPECIFIED IN SECTION **CODES AND STANDARDS**.
5. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADES. DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. DO NOT PENETRATE ANY STRUCTURAL ELEMENTS (BEAMS, COLUMNS, WALLS, SLABS, STEEL DECKS, ETC.) WITHOUT PRIOR WRITTEN APPROVAL OF STRUCTURAL ENGINEER.
6. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS CHOSEN, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY AND SHALL COORDINATE ALL DETAILS.
7. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.
8. TYPICAL DETAILS ARE NOT CUT ON DRAWINGS, BUT APPLY UNLESS NOTED OTHERWISE.
9. WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
10. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
11. FOR PROJECT DIMENSIONAL CONTROL "SEE CIVIL DRAWINGS".

DEMOLITION:

1. DEMOLITION OF EXISTING STRUCTURES TO BE REMOVED SHALL BE PERFORMED BY THE CONTRACTOR USING MEANS NECESSARY TO PREVENT DAMAGE TO THE EXISTING STRUCTURES TO REMAIN. DAMAGE TO THE EXISTING STRUCTURES TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE USING METHODS REVIEWED BY THE STRUCTURAL ENGINEER. IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN IN THE CONTRACT DOCUMENTS, CONTACT STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH WORK.

SHOP DRAWINGS:

1. THE GENERAL CONTRACTOR WILL REVIEW AND STAMP ALL SHOP DRAWINGS AND PRODUCT DATA FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PRIOR TO SUBMISSION. ANY SHOP DRAWINGS OF PRODUCT DATA NOT REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR WILL BE RETURNED WITHOUT REVIEW.
2. ANY SHOP DRAWINGS NOT CHECKED AND SIGNED BY THE SUPPLIER/DETAILER PRIOR TO SUBMITTING FOR ARCHITECTURAL AND ENGINEERING REVIEW, WILL BE RETURNED WITHOUT REVIEW.
3. THE CEC CONSTRUCTION DOCUMENTS MAY NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS, UNLESS APPROVED BY THE ENGINEER OF RECORD.
4. ELECTRONIC FILES OF CONSTRUCTION DOCUMENTS WILL NOT BE MADE AVAILABLE FOR USE AS SHOP DRAWINGS.

EXISTING DRAWINGS:

1. INFORMATION SHOWN AS EXISTING WAS SUPPLIED BY THE OWNER.

CODES AND STANDARDS:

IBC	INTERNATIONAL BUILDING CODE 2018 EDITION
ASCE 7	MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES 2016
AISC 360	AMERICAN INSTITUTE OF STEEL CONSTRUCTION 15th EDITION
AISC 341	AMERICAN INSTITUTE OF STEEL CONSTRUCTION SEISMIC PROVISION
AWS D1.1	STRUCTURAL WELDING CODE - STEEL
AWS D1.4	STRUCTURAL WELDING CODE - STEEL REINFORCING BARS
ACI 117	SPECIFICATION FOR TOLERANCES FOR CONCRETE
ACI 301	STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE
ACI 302	GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION
ACI 318	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY
ACI 347	STANDARD SPECIFICATION FOR FORMWORK FOR CONCRETE
ACI 350	CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING
ASTM 530/530.1	BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
ASTM A1064	STANDARD SPECIFICATION FOR STEEL WIRE AND WELDED WIRE REINFORCEMENT, PLAIN AND DEFORMED, FOR CONCRETE
ASTM A185	STANDARD SPECIFICATION FOR STEEL WELDED WIRE REINFORCEMENT, PLAIN, FOR CONCRETE.
ASTM A615	STANDARD SPECIFICATION FOR DEFORMED AND PLAIN CARBON STEEL BARS FOR CONCRETE REINFORCEMENT
ASTM A706	STANDARD SPECIFICATION FOR DEFORMED AND PLAIN LOW-ALLOY STEEL BARS FOR CONCRETE REINFORCEMENT
ASTM C150	STANDARD SPECIFICATION FOR PORTLAND CEMENT
ASTM D1751	STANDARD SPECIFICATION FOR PREFORMED EXPANSION JOINT FILLER FOR CONCRETE PAVING AND STRUCTURAL CONSTRUCTION
ASTM D1752	STANDARD SPECIFICATION FOR PREFORMED SPONGE, RUBBER, CORK, AND RECYCLED PVC EXPANSION JOINT FILLER FOR CONCRETE PAVING AND STRUCTURAL CONSTRUCTION
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS
SJI	STEEL JOIST INSTITUTE STANDARD CODES AND PRACTICES
MNL-66	ACI DETAILING MANUAL

DESIGN LOADS:

1. FLOOR
   A. LIVE LOAD — AS NOTED ON DRAWINGS
2. WIND LOADS:
   A. BASIC WIND SPEED (3-SECOND GUST) — 117 MILES PER HOUR
   B. EXPOSURE — C
   C. RISK CATEGORY — III
   D. BUILDING CLASSIFICATION — ENCLOSED
   E. INTERNAL PRESSURE COEFFICIENT — +/- 0.18
3. GROUND SNOW LOAD — 25 PSF
4. SEISMIC LOADS:
   A. SEISMIC IMPORTANCE FACTOR — 1.25
   B. RISK CATEGORY — III
   C. SITE CLASS — D
   D. SEISMIC DESIGN CATEGORY — B
   a. S_s — 0.088
   b. S_1 — 0.044
   c. S_{DS} — 0.094
   d. S_{D1} — 0.071

FOUNDATIONS:

1. GEOTECHNICAL INFORMATION (SUPPLIED BY OWNER):
   A. PREPARER: NO GEOTECHNICAL REPORT AVAILABLE
   B. REPORT NUMBER:
   C. REPORT DATE:
2. SPREAD FOOTINGS AND MAT FOUNDATIONS, ON UNDISTURBED SOIL OR WELL COMPACTED ENGINEERED FILL, HAVE BEEN DESIGNED FOR A MAXIMUM ALLOWABLE BEARING PRESSURE OF 1,500 PSF NET.
3. PREPARE SOILS UNDER STRUCTURES PER SOILS REPORT.
4. AT RETAINING WALLS, ACTIVE SOIL PRESSURE FOR UNRESTRAINED WALLS - FOLLOW THE INFORMATION FROM THE GEOTECHNICAL REPORT.
5. WALLS THAT ARE SHOWN RESTRAINED AT THE TOP SHALL NOT BE BACKFILLED UNTIL THE STRUCTURE PROVIDING RESTRAINT IS IN PLACE AND HAS ATTAINED DESIGN STRENGTH. CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF WALL BRACING FOR WALLS THAT ARE BACKFILLED PRIOR TO CONSTRUCTION OF TOP RESTRAINT.
6. SOIL UNIT WEIGHT — 115 PCF
   A. FROST DEPTH — 42 INCHES
7. ANY SURFACES DISTURBED DURING CONSTRUCTION SHALL BE GRADED TO MATCH SITE GRADING DRAWINGS.
8. POSITIVE SITE DRAINAGE SHALL BE PROVIDED AT ALL TIMES SO THAT WATER IS NOT ALLOWED TO POND IN EXCAVATIONS OR NEAR FOUNDATIONS.
9. PRIOR TO PLACING CONCRETE FOR SEAL SLABS OR FOUNDATIONS, THE SUBSOIL CONDITIONS SHALL BE CHECKED BY GEOTECHNICAL ENGINEERS REPRESENTATIVE FOR COMPLIANCE WITH THE PROJECT GEOTECHNICAL REPORT AND SPECIFICATIONS.
10. PRIOR TO PLACEMENT OF CONCRETE, CONTRACTOR SHALL CONFIRM ALL FOUNDATION EMBED ITEMS - PIPES SLEEVES, STEEL PLATES, INSERTS, ETC., ARE IN PLACE.

EXCAVATION:

1. EXCAVATION FOR FOUNDATIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHEN EXCAVATING FOR NEW FOUNDATIONS TO PROVIDE PROPER SHORING IN ACCORDANCE WITH OSHA STANDARDS UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
3. BLASTING IS NOT PERMITTED.

CONCRETE:

1. CONCRETE WORK SHALL FOLLOW THE PRACTICES AND STANDARDS SPECIFIED IN SECTION **CODES AND STANDARDS**
2. CONCRETE PROPERTIES: ALL CONCRETE SHALL CONFORM TO ASTM C-94

CONCRETE USE	MINIMUM 28 DAY COMPRESSIVE STRENGTH	SLUMP AT PLACEMENT
A. UNLESS NOTED OTHERWISE,		
a. ALL CONCRETE SHALL BE	4,000 PSI	4" +/- 1"
b. CONCRETE OVER STEEL DECK	4,000 PSI	4" +/- 1"
c. WALLS	4,000 PSI	4" +/- 1"
d. ELEVATED SLABS AND BEAMS	4,000 PSI	4" +/- 1"
e. SLABS ON GRADE	4,000 PSI	4" +/- 1"
f. FOOTINGS AND STEM WALLS	4,000 PSI	4" +/- 1"
g. HYDRAULIC STRUCTURES	4,000 PSI	4" +/- 1"
B. GRADE BEAMS	3,000 PSI	4" +/- 1"
C. EXPOSED TO WEATHER OR SUBJECT TO FREEZE/THAW CYCLES	4,500 PSI	4" +/- 1"

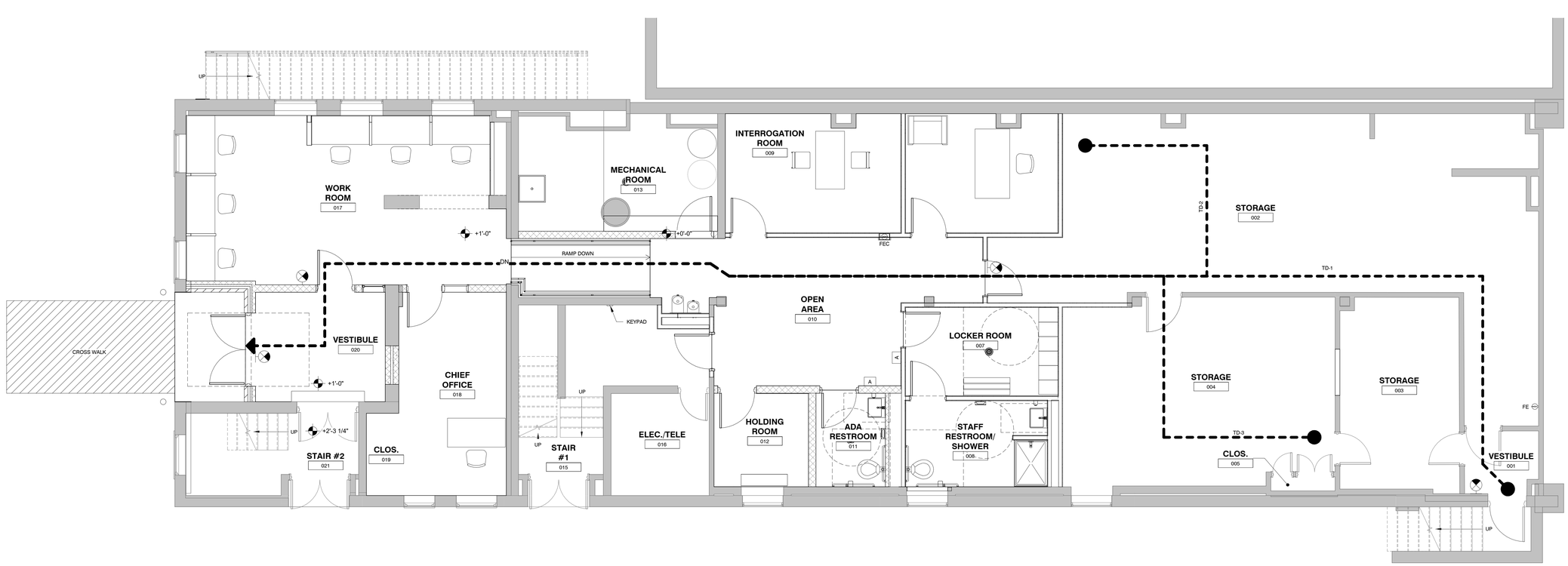
3. ADDITION OF WATER TO THE BATCH FOR MATERIAL WITH INSUFFICIENT SLUMP WILL NOT BE PERMITTED, UNLESS THE SUPPLIER HAS SPECIFICALLY WITHHELD WATER FROM THE BATCH AT THE PLANT, IN SUCH CASE, THE MIX DESIGN AND TRUCK TICKET MUST CLEARLY STATE THE MAXIMUM AMOUNT OF WATER THAT CAN BE ADDED TO THE BATCH ON SITE. IN NO CASE SHALL THE DESIGN WATER TO CEMENTITIOUS MATERIAL RATIO BE EXCEEDED.
4. CONCRETE CONTAINING SUPERPLASTICIZING ADMIXTURE SHALL HAVE A SLUMP OF 4" +/- 1". TO BE FIELD VERIFIED, PRIOR TO ADDING ADMIXTURE, AND NOT EXCEEDING 8" AT PLACEMENT.
5. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED TO BE VIBRATED ONLY AROUND UNDER FLOOR DUCTS, SLAB EDGES, REINFORCING, KEYS, ETC. MECHANICALLY VIBRATE ONLY THE TOP 5 FEET OF DRILLED PIER CONCRETE. REVIBRATE TOP OF DRILLED PIER 15 MINUTES AFTER PLACING CONCRETE.
6. UNLESS APPROVED OTHERWISE IN WRITING BY ENGINEER OF RECORD, ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY CONSTRUCTION JOINTS, KEYED OR SAW CUT, SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 250 SQUARE FEET. KEYED CONSTRUCTION JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING. ALL OTHER JOINTS MAY BE SAW CUT. CAST CLOSURE POUR AROUND COLUMNS AFTER DEAD LOAD IS APPLIED.
7. UNLESS SPECIFIED, VERTICAL CONCRETE SURFACES ARE TO BE FORMED.
8. ALL EXPOSED CONCRETE CORNERS (BOTH VERTICAL & HORIZONTAL) SHALL HAVE A 3/4" CHAMFER OR ROUNDED TOOLED EDGE.
9. BONDING COMPOUND TO BE "SIKADUR HI-MOD" AS MANUFACTURED BY SIKA CORP. OR OWNER APPROVED EQUAL TO ADHERE NEW CONCRETE TO EXISTING CONCRETE HAVING ITS INITIAL SET. APPLICATION TO BE PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
10. BOND BREAKER TO BE 15 LB ASPHALT SATURATED FELT IN ACCORDANCE WITH ASTM D226, OR APPROVED EQUIVALENT.
11. VAPOR RETARDER SHALL BE POLYETHYLENE FILM CONFORMING TO ASTM D2103, NOT LESS THAN 8 MIL THICK WITH WATER VAPOR TRANSMISSION NOT MORE THAN 0.10 PERMS PER ASTM E96.
12. THE REQUIREMENTS OF MECHANICAL, ELECTRICAL AND PLUMBING FOR EMBEDDED ITEMS INCLUDING PIPE, CONDUIT, EMBEDDED STEEL AND BOLTS ARE TO BE CHECKED PRIOR TO EACH CONCRETE POUR. VERIFY ALL ANCHOR BOLT LOCATIONS AND EQUIPMENT OPENINGS AGAINST CERTIFIED VENDOR DRAWINGS.
13. SLAB-ON-GRADE CONSTRUCTION JOINTS (CJ) AND SAWED CONTROL JOINTS (SCJ) SHALL BE PLACED AS SHOWN. SAWED CONTROL JOINTS SHALL BE CUT AS SOON AS THE SLAB CAN BE WALKED ON, BUT STARTING NO LATER THAN 8 HOURS AFTER PLACEMENT OF THE CONCRETE. CONTROL JOINT SHALL BE COMPLETED NO LATER THE 16 HOURS AFTER PLACEMENT. THESE TIME LIMITS SHALL APPLY REGARDLESS OF THE TIME OF DAY.
14. ALL EXTERIOR CONCRETE SHALL HAVE AIR ENTRAINMENT OF 5 +/- 1.5%.
15. CONCRETE KEYS AT CONSTRUCTION JOINTS SHALL BE NOMINAL 2"x4".
16. UNLESS NOTED OTHERWISE, PROVIDE (2) #4 BARS ON ALL SIDES OF OPENINGS IN CONCRETE WALLS AND FLOORS. EXTEND BARS 24" BEYOND EDGE OF OPENING.
17. CONCRETE INSTALLATION CONTRACTOR SHALL PROVIDE A PLAN WITH THE MINIMUM NUMBER OF CONSTRUCTION JOINTS AS RESTRICTED BY POUR LIMITATIONS. ALL CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY ENGINEER OF RECORD PRIOR TO PRODUCING REINFORCEMENT FABRICATION DRAWINGS. CONSTRUCTION JOINTS SHALL NOT BE PLACED WHERE EQUIPMENT IS TO BE LOCATED AND SHALL BE PLACED A MINIMUM DISTANCE OF 4 FEET AWAY FROM COLUMN CENTER-LINES. ENGINEER OF RECORD PREFERRED CONSTRUCTION JOINT LOCATION IS MIDWAY BETWEEN COLUMNS IN MAJOR STRUCTURE FOUNDATIONS. CONSTRUCTION JOINTS SHALL BE DETAILED PER TYPICAL DETAIL ON DRAWING ST00-0003.
18. FOR ANCHOR ROD INFORMATION SEE THE ANCHOR ROD SCHEDULE.

STEEL REINFORCING:

1. TYPICAL REINFORCING BAR STRENGTHS

A. REINFORCING (NON-WELDABLE)	ASTM A615, DEFORMED
B. REINFORCING (WELDABLE)	ASTM A706, DEFORMED
C. WELDED WIRE FABRIC	ASTM A1064

2. CONCRETE COVER FOR REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 UNLESS OTHERWISE NOTED.
3. LATEST ACI CODE AND DETAILING MANUAL APPLY. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE. REINFORCING BAR SPACINGS GIVEN ARE MAXIMUM ON CENTERS.
4. ALL REINFORCING TO BE WELDED SHALL BE WELDED IN ACCORDANCE WITH AWS D1.4. NO TACK WELDING OF REINFORCING BARS IS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE BY ENGINEER OF RECORD.
5. REINFORCING LAP SPLICES IN CONCRETE SHALL BE PER TYPICAL DETAILS UNLESS NOTED OTHERWISE. ALL SPLICE LOCATIONS ARE SUBJECT TO APPROVAL. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS.
6. REINFORCING BARS SHALL NOT BE BENT OR STRAIGHTENED IN A MANNER THAT WILL INJURE THE MATERIAL. BARS WITH KINKS OR IMPROPER BENDS SHALL NOT BE USED. NO BARS PARTIALLY EMBEDDED IN CONCRET



PLAN

1/4" = 1'-0"

PROJECT DESCRIPTION

RENOVATION OF AN EXISTING BUILDING CURRENTLY OCCUPIED BY A FURNITURE STORE. THE BASEMENT AND FIRST FLOOR WILL BE RENOVATED , AND OCCUPIED BY A POLICE DEPARTMENT WITH OFFICES, CONFERENCE ROOM, WORKSPACE, BREAK ROOM, INTERROGATION ROOM, LOCKER ROOM AND RESTROOMS. THE SECOND FLOOR AND REAR PART OF THE FIRST FLOOR WILL NOT BE RENOVATED, AND WILL REMAIN AS IS. THE RENOVATED AREAS ARE DESIGNED TO ACCOMMODATE SIX (6) FULL TIME OFFICERS WITH OCCASIONAL OCCUPANT LOADS OF UP TO FOURTEEN (14) THROUGHOUT THE DAY. THE EXISTING BRICK EXTERIOR WALLS, WINDOWS AND ROOF WILL REMAIN, WITH ONE AREA OF WALL AT THE BACK OF THE BUILDING TO BE DEMOLISHED TO ACCOMMODATE A NEW BACK ENTRANCE. NEW INTERIOR WALLS AND CEILINGS WILL BE CONSTRUCTED, AND NEW HVAC, PLUMBING FIXTURES, LIGHTING AND POWER WILL BE PROVIDED.

GENERAL INFORMATION

BUILDING AREA:

BASEMENT	2,008 SF
1ST FLOOR	2,716 SF
2ND FLOOR (NO WORK)	3,798 SF
TOTAL =	**8,522 SF**

CONSTRUCTION TYPE: **VB**

BUILDING HEIGHT: **40'-2"**

PROPOSED OCCUPANCY: **B (BUSINESS)**

AUTOMATIC SPRINKLER SYSTEM: **NO**

STORIES: **2 WITH BASEMENT**

OCCUPANT LOAD:
2018 IBC TABLE 1004.5

BUSINESS AREAS

BASEMENT	2,008 SF/150 SF PER OCCUPANT = 14 OCC
1ST FLOOR	2,716 SF/150 SF PER OCCUPANT = 18 OCC
2ND FLOOR	3,798 SF/150 SF PER OCCUPANT = 26 OCC
TOTAL =	**58 OCC**

ALLOWABLE HEIGHT/STORIES/AREA: N/A - EXISTING BUILDING RENOVATION

CODE REQUIREMENTS

CODE SECTION	ITEM	REQUIREMENTS	PROJECT DATA
2018 IBC TABLE 601	FIRE-RESISTANCE RATING REQUIREMENTS	STRUCTURAL FRAME = 0 HOUR BEARING WALLS EXTERIOR = 0 HOUR BEARING WALLS INTERIOR = 0 HOUR NONBEARING WALLS EXTERIOR = 0 HOUR NONBEARING WALLS INTERIOR = 0 HOUR FLOOR CONSTRUCTION = 0 HOUR ROOF CONSTRUCTION = 0 HOUR	PROVIDED = 0 HOUR PROVIDED = 0 HOUR PROVIDED = 0 HOUR PROVIDED = 0 HOUR PROVIDED = 0 HOUR PROVIDED = 0 HOUR PROVIDED = 0 HOUR
2018 IBC 1005.1	MINIMUM EGRESS WIDTH	GROUP B: 4,724 SF / 150 OCC = 32 OCC 32 OCC X .15" = 4.8" DEFER TO 2018 IBC TABLE 1020.2 = 36"	PROVIDED = 36"
2018 IBC TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE	GROUP B - NON-SPRINKLERED: 200'	COMPLIANT (SEE LIFE SAFETY PLAN AND EGRESS PATH SCHEDULE ON THIS SHEET)
2018 IBC TABLE 2902.1	MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES GROUP B = 32 OCC/2 = 16 MEN & 16 WOMEN	W.C. MALE = 1 REQUIRED LAVATORY MALE = 1 REQUIRED W.C. FEMALE = 1 REQUIRED LAVATORY FEMALE = 1 REQUIRED DRINKING FOUNTAINS = 1 REQUIRED MOP SINK = 1 REQUIRED	2 ADA PROVIDED 2 ADA PROVIDED 3 PROVIDED (2 ADA) 3 PROVIDED (2 ADA) 1 ADA PROVIDED 1 PROVIDED
2018 IBC 906.3	PORTABLE FIRE EXTINGUISHERS	1 PER 11,250', 75' MAX TRAVEL DISTANCE TO EXTINGUISHER	COMPLIANT / INSTALLED PER NFPA 101
2018 IBC 907	FIRE ALARM SYSTEM	NOT REQUIRED	PROVIDED
2018 IBC 1013	BATTERY POWERED EMERGENCY EXIT DEVICES	REQUIRED	PROVIDED

APPLICABLE CODES

BUILDING CODE	2018 PENNSYLVANIA BUILDING CODE (INTERNATIONAL BUILDING CODE 2018, AMENDED)
EXISTING BUILDING CODE	2009 PENNSYLVANIA EXISTING BUILDING CODE (INTERNATIONAL EXISTING BUILDING CODE 2009, AMENDED)
MECHANICAL CODE	2018 PENNSYLVANIA MECHANICAL CODE (INTERNATIONAL MECHANICAL CODE 2018, NOT AMENDED)
PLUMBING CODE	2018 PENNSYLVANIA PLUMBING CODE (INTERNATIONAL PLUMBING CODE 2018, NOT AMENDED)
ELECTRICAL CODE	2017 PENNSYLVANIA ELECTRICAL CODE (NFPA 70, 2017, NOT AMENDED)
FIRE CODE	2016 PENNSYLVANIA FIRE SPRINKLER CODE (NFPA 13, 2016, NOT AMENDED)
ENERGY CODE	2018 PENNSYLVANIA ENERGY CODE (INTERNATIONAL ENERGY CONSERVATION CODE 2018, AMENDED)
GAS CODE	2018 PENNSYLVANIA FUEL GAS CODE (INTERNATIONAL FUEL GAS CODE 2018, NOT AMENDED)
ACCESSIBILITY	2009 PENNSYLVANIA ACCESSIBILITY CODE (ANSI 117.1, 2009, NOT AMENDED)

EGRESS & LIFE SAFETY GENERAL NOTES

EXIT DOORS

1. EXIT DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT SPECIAL KNOWLEDGE, EFFORT OR THE USE OF A SPECIAL KEY OR LATCH.
2. EXIT DOORS SHALL SWING IN THE DIRECTION OF TRAVEL.
3. UNLATCHING FORCE OF PANIC HARDWARE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF TRAVEL.
4. EXIT DOORS SHALL BE A MINIMUM OF 32" CLEAR WIDTH & MAXIMUM 48" WIDE LEAF. MINIMUM 6'-8" DOOR HEIGHT.
5. EXTERIOR LANDINGS AT ALL EXIT DOORS SHALL BE LEVEL WITH A SLOPE OF 2% MAX.

EXIT SIGNAGE

6. MAIN EXIT DOORS WITHOUT PANIC HARDWARE SHALL HAVE A SIGN WITH LETTERS ON A CONTRASTING BACKGROUND STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED" VERIFY WITH JURISDICTION PRECISE WORDING.
7. TACTILE EXIT SIGNAGE SHALL BE REQUIRED. REFER TO SIGNAGE DRAWINGS FOR DETAILS AND SPECIFICATIONS:
   A. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE SIGN WITH THE WORD "EXIT".
8. SIGNAGE SHALL BE LOCATED AT LATCH SIDE OF SINGLE DOOR.
9. EXIT SIGNAGE SHALL BE INTERNALLY ILLUMINATED AT ALL TIMES WITH EMERGENCY ELECTRICAL BACK-UP POWER.
10. EXIT SIGN ILLUMINATION SHALL NOT BE LESS THAN 5 FOOT CANDLES EXIT SIGNS SHALL HAVE TWO POWER SOURCES, ONE FROM THE PREMISES WIRING SYSTEM, THE OTHER FROM BATTERIES.
11. FINAL PLACEMENT OF EXIT SIGNS IS SUBJECT TO APPROVAL AND MODIFICATION OF THE FIRE DEPARTMENT FIELD INSPECTOR

GENERAL

12. REFER TO ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF LIFE SAFETY RELATED EQUIPMENT NOT SHOWN.
13. ALL FIRE EXTINGUISHER CABINETS TO BE PARTIALLY RECESSED.
14. ALL FIRE EXTINGUISHERS NOT IN MILLWORK ARE TO BE INSTALLED SO THAT THE TOP FIRE EXTINGUISHER IS AT 3'-6" AFF.

EGRESS PATH SCHEDULE

PATH NAME	PATH LENGTH
TD-1	133' - 6"
TD-2	112' - 2"
TD-3	113' - 7"
TD-4	89' - 4"

LIFE SAFETY LEGEND

SYMBOL	DESCRIPTION
TD - X	EGRESS TRAVEL
FEC (CO)	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
A	ADA SIGNAGE

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. KEECH	S. MARITZER	BID/PERMIT SET

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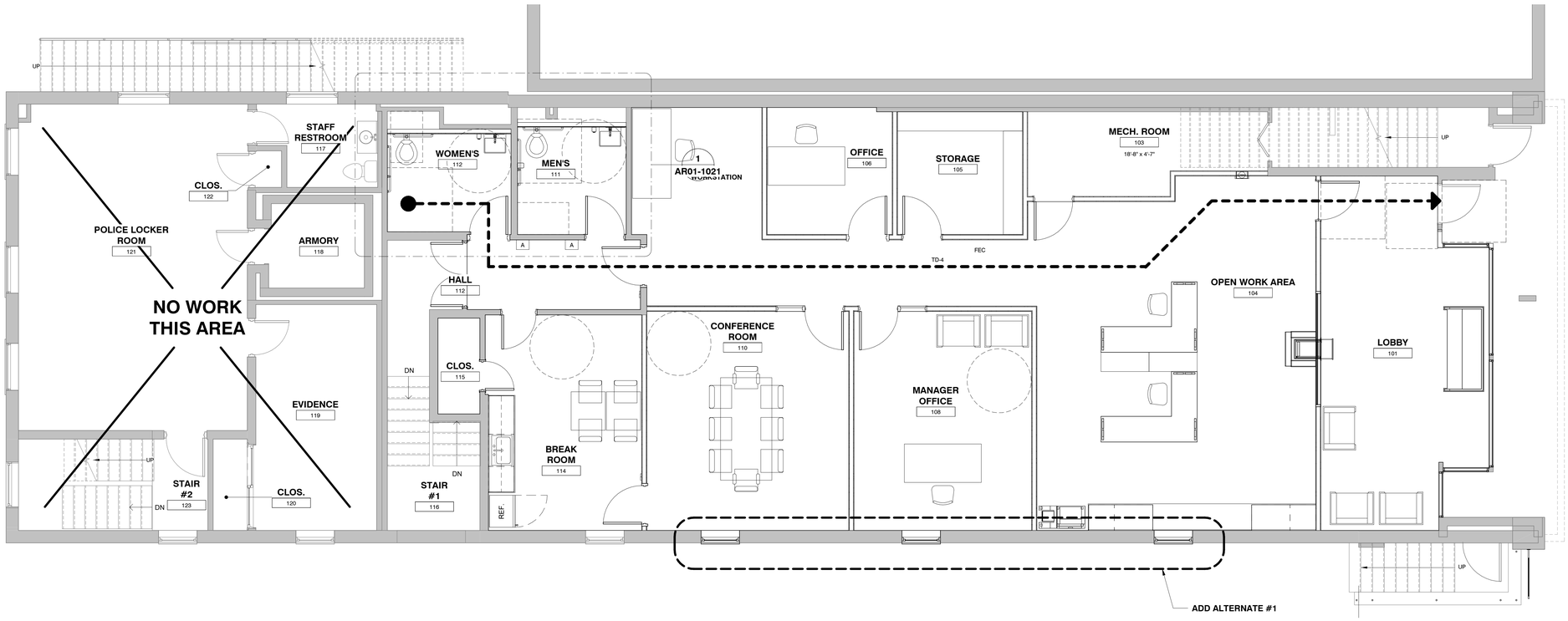
BASEMENT LIFE SAFETY PLAN

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
PROJECT NO.	347-133
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
APPROVED BY:	R. SUSALLA

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

DRAWING NO.:
AR01-0010
SHEET 1 OF 1

NORTH



1 1ST FLOOR PLAN

1/4" = 1'-0"

EGRESS & LIFE SAFETY GENERAL NOTES

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EGRESS PATH SCHEDULE

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TD-2	112' - 2"
TD-3	113' - 7"
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LIFE SAFETY LEGEND

SYMBOL	DESCRIPTION
TD - X	EGRESS TRAVEL
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
A	ADA SIGNAGE

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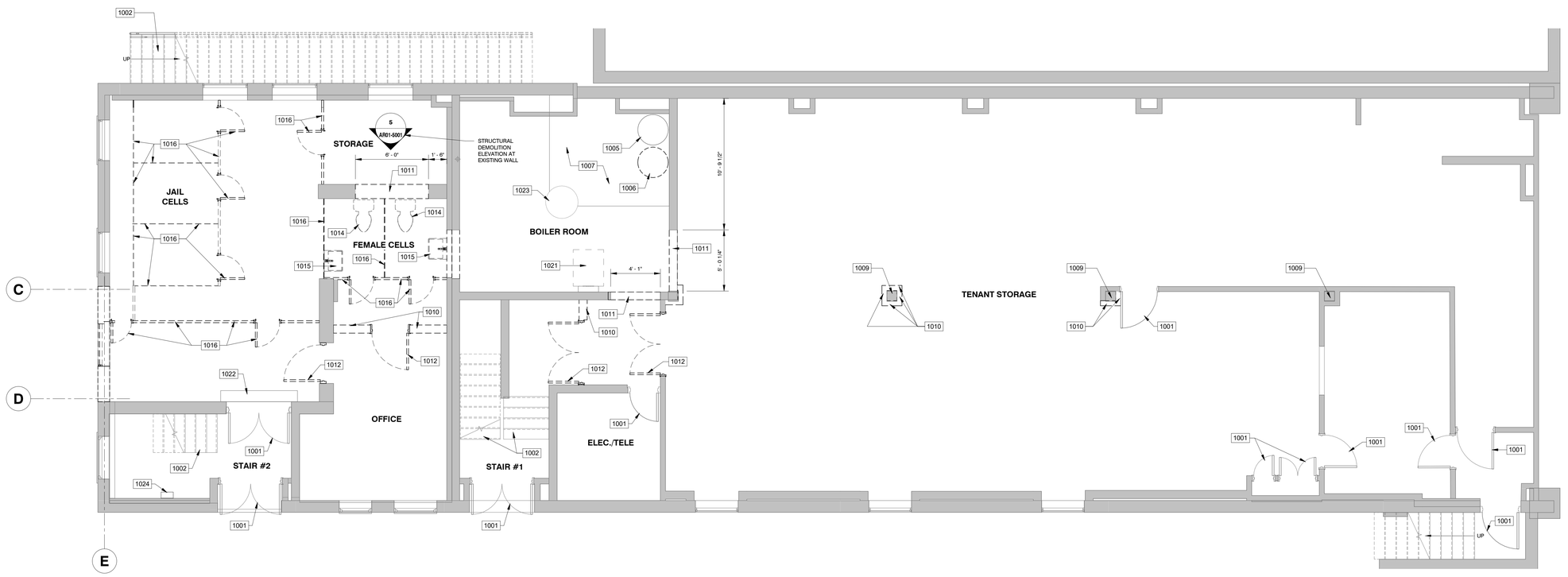
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BASEMENT LIFE SAFETY PLAN

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
PROJECT NO.	347-133
APPROVED BY:	R. SUSALLA

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

DRAWING NO.:
AR01-0011
SHEET OF 1



PLAN

1/4" = 1'-0"

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING CONSTRUCTION TO REMAIN

DEMOLITION NOTES:

1. REMOVE SALVAGE AND DEBRIS FROM THE SITE AS IT ACCUMULATES. DO NOT STORE, SELL, BURN OR OTHERWISE DISPOSE OF DEBRIS ON THE SITE EXCEPT AS DIRECTED BY THE OWNER. REMOVE ALL MATERIALS IN SUCH A MANNER AS TO PREVENT SPILLAGE. KEEP ALL PAVEMENTS AND AREA LEADING TO AND FROM THE SITE CLEAN AND FREE OF MUD, DIRT, AND DEBRIS AT ALL TIMES.
2. PERFORM DEMOLITION IN SUCH A MANNER AS TO ELIMINATE HAZARDS TO PERSONS AND PROPERTY, AND TO MINIMIZE INTERFERENCE AND USE OF FREE PASSAGE TO ADJACENT AREAS, UTILITIES AND STRUCTURES.
3. EXISTING WORK SHALL BE CUT, ALTERED, REMOVED, TEMPORARILYREMOVED AND REPLACED AS REQUIRED FOR THE PERFORMANCE OF THE WORK INDICATED ON THE DRAWINGS. WORK REMAINING IN PLACE AND DAMAGED OR DEFACED BY REASON OF ALTERATION OR DEMOLITION SHALL BE RESTORED EQUAL TO ITS CONDITION BEFORE ANY WORK UNDER THIS CONTRACT WAS BEGUN.
4. WHERE ALTERATION OR DEMOLITION EXPOSED DAMAGED OR UNFINISHED SURFACES OR MATERIALS, SUCH SURFACES OR MATERIALS SHALL BE REFINISHED OR REPLACED AS NECESSARY TO MAKE THE CONTIGUOUS AREA UNIFORM. WHERE NEW WORK BY ANY TRADE OCCURS IN AN EXISTING FINISHED AREA, THE ENTIRE SURFACE IN WHICH SUCH WORK OCCURS SHALL BE REFINISHED.
5. THE FOLLOWING MATERIALS AND EQUIPMENT RESULTING FROM THE DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER. SUCH ITEMS MARKED AS "SAVE" BY THE OWNER SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR, PROTECTED FROM DAMAGE, AND STORED ON THE SITE AS DIRECTED. CERTAIN ITEMS ARE INDICATED IN THE CONSTRUCTION DOCUMENTS TO BE REMOVED AND RELOCATED IN NEW LOCATIONS. PARTICULAR CARE SHALL BE TAKEN IN THE REMOVAL AND RELOCATION OF SUCH ITEMS TO RETAIN THEIR UTILITY. AT THE COMPLETION OF THE JOB, ALL UNUSED RETAINED ITEMS SHALL BE DISCARDED AT THE DISCRETION OF THE OWNER.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SHORING, RACING, STABILIZATION, ETC. AS REQUIRED DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION.
7. EXECUTE DEMOLITION WORK TO ENSURE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY SETTLEMENT, FALLING DEBRIS,OR OTHER CAUSES IN CONNECTION WITH THIS WORK.
8. DEMOLITION SHALL BE CARRIED OUT AS QUIETLY AS PRACTICAL WITH DELIBERATE SPEED ONCE THE DEMOLITION OPERATIONS HAVE BEEN STARTED.
9. EXTRA CARE SHALL BE EXERCISED DURING ALL DEMOLITION OPERATIONS TO PROTECT EXISTING UTILITY AND PIPING RUNS.
10. ALL OPENINGS IN EXTERIOR WALLS SHALL BE WITHHELD IN THE CONSTRUCTIONS SCHEDULE TO THE FULLEST EXTENT POSSIBLE UNTIL NEW WALLS OR WINDOWS ARE READY FOR INSTALLATION
11. REFER TO PLAN AND ELEVATION DRAWINGS FOR ADDITIONAL DEMOLITION RELATED WORK.

DEMOLITION KEYNOTES

#	DESCRIPTION
1001	EXISTING DOOR TO REMAIN
1002	EXISTING STAIR TO REMAIN
1003	EXISTING WATER CLOSET TO REMAIN
1004	EXISTING SINK TO REMAIN
1005	EXISTING AIR COMPRESSOR TO REMAIN
1006	EXISTING AIR COMPRESSOR TO BE RELOCATED - REFER TO DRAWING PI01-2001
1007	EXISTING RAISED CONCRETE SLAB TO REMAIN
1008	EXISTING SAFE TO REMAIN
1009	EXISTING COLUMN TO REMAIN
1010	DEMOLISH EXISTING WALL
1011	DEMOLISH EXISTING WALL TO DIMENSION SHOWN
1012	DEMOLISH EXISTING DOOR AND FRAME
1013	DEMOLISH EXISTING WINDOW AND FRAME
1014	DEMOLISH EXISTING WATER CLOSET
1015	DEMOLISH EXISTING SINK
1016	DEMOLISH EXISTING PRISON BARS AND DOOR
1017	DEMOLISH EXISTING CASEWORK
1018	DEMOLISH EXISTING RAISED FLOOR
1019	DEMOLISH EXISTING TOILET PARTITION
1020	DEMOLISH EXISTING STOREFRONT WINDOW
1021	DEMOLISH EXISTING ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS
1022	EXISTING COLUMN/SIGNAGE TO REMAIN
1023	RELOCATED COMPRESSED AIR RECEIVER
1024	NEW/RELOCATED NATURAL GAS METER/REGULATOR - REFER TO DRAWING PI01-2001

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04-APR-2025	B. KEECH	S. MARITZER	BID/PERMIT SET

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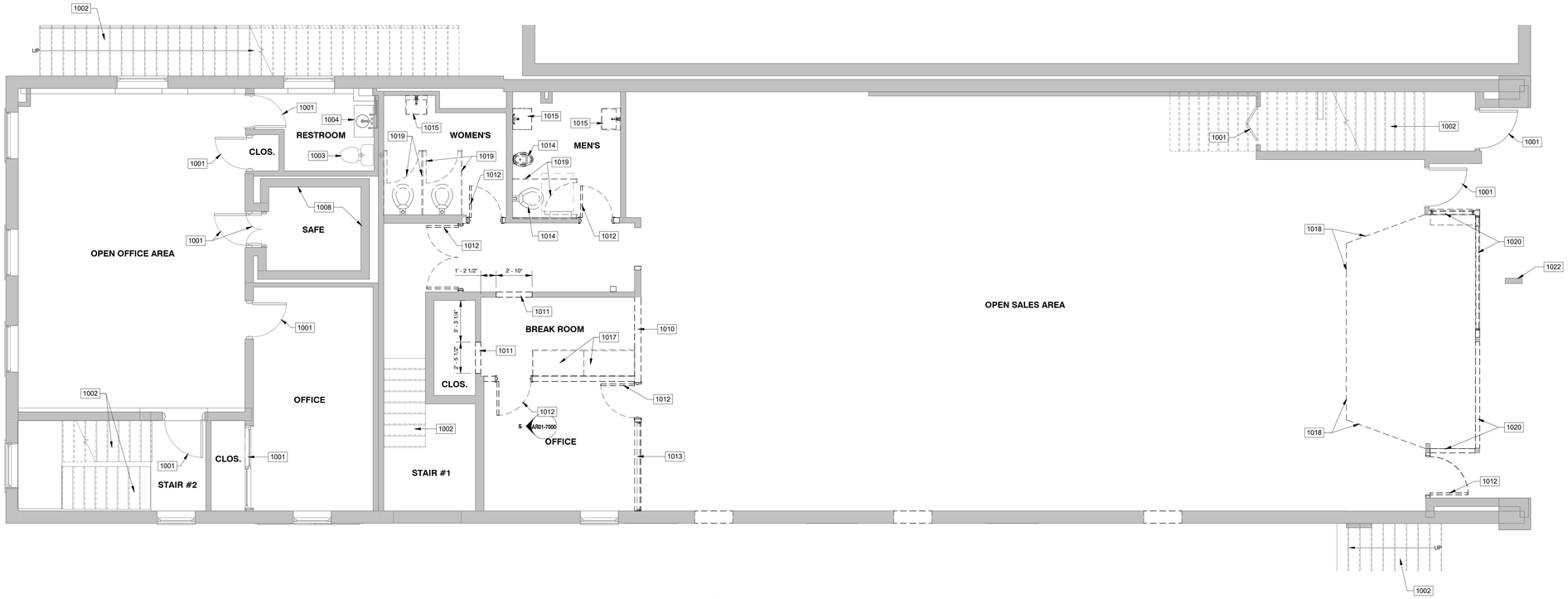
ARCHITECTURAL
BASEMENT DEMOLITION PLAN

DATE:	JANUARY 2025
DRAWN BY:	B. KEECH
DWG SCALE:	AS SHOWN
CHECKED BY:	S. MARITZER
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

DRAWING NO.:
AR01-1000
SHEET OF 1

NORTH



PLAN

1/4" = 1'-0"

DEMOLITION LEGEND	
SYMBOL	DESCRIPTION
	EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING CONSTRUCTION TO REMAIN

DEMOLITION NOTES:

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3. EXISTING WORK SHALL BE CUT, ALTERED, REMOVED, TEMPORARILYREMOVED AND REPLACED AS REQUIRED FOR THE PERFORMANCE OF THE WORK INDICATED ON THE DRAWINGS. WORK REMAINING IN PLACE AND DAMAGED OR DEFACED BY REASON OF ALTERATION OR DEMOLITION SHALL BE RESTORED EQUAL TO ITS CONDITION BEFORE ANY WORK UNDER THIS CONTRACT WAS BEGUN.
4. WHERE ALTERATION OR DEMOLITION EXPOSED DAMAGED OR UNFINISHED SURFACES OR MATERIALS, SUCH SURFACES OR MATERIALS SHALL BE REFINISHED OR REPLACED AS NECESSARY TO MAKE THE CONTIGUOUS AREA UNIFORM. WHERE NEW WORK BY ANY TRADE OCCURS IN AN EXISTING FINISHED AREA, THE ENTIRE SURFACE IN WHICH SUCH WORK OCCURS SHALL BE REFINISHED.
5. THE FOLLOWING MATERIALS AND EQUIPMENT RESULTING FROM THE DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER. SUCH ITEMS MARKED AS "SAVE" BY THE OWNER SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR, PROTECTED FROM DAMAGE, AND STORED ON THE SITE AS DIRECTED. CERTAIN ITEMS ARE INDICATED IN THE CONSTRUCTION DOCUMENTS TO BE REMOVED AND RELOCATED IN NEW LOCATIONS. PARTICULAR CARE SHALL BE TAKEN IN THE REMOVAL AND RELOCATION OF SUCH ITEMS TO RETAIN THEIR UTILITY. AT THE COMPLETION OF THE JOB, ALL UNUSED RETAINED ITEMS SHALL BE DISCARDED AT THE DISCRETION OF THE OWNER.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SHORING, RACING, STABILIZATION, ETC.,AS REQUIRED DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION.
7. EXECUTE DEMOLITION WORK TO ENSURE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY SETTLEMENT, FALLING DEBRIS,OR OTHER CAUSES IN CONNECTION WITH THIS WORK.
8. DEMOLITION SHALL BE CARRIED OUT AS QUIETLY AS PRACTICAL WITH DELIBERATE SPEED ONCE THE DEMOLITION OPERATIONS HAVE BEEN STARTED.
9. EXTRA CARE SHALL BE EXERCISED DURING ALL DEMOLITION OPERATIONS TO PROTECT EXISTING UTILITY AND PIPING RUNS.
10. ALL OPENINGS IN EXTERIOR WALLS SHALL BE WITHHELD IN THE CONSTRUCTIONS SCHEDULE TO THE FULLEST EXTENT POSSIBLE UNTIL NEW WALLS OR WINDOWS ARE READY FOR INSTALLATION
11. REFER TO PLAN AND ELEVATION DRAWINGS FOR ADDITIONAL DEMOLITION RELATED WORK.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL EXAMINE THE SITE AND VERIFY EXISTING CONDITIONS. ANY INCONSISTENCIES SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION FOR RESOLUTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR LAYOUT AND FOR VERIFYING ALL DIMENSIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECTS IMMEDIATE ATTENTION FOR RESOLUTION. DO NOT SCALE DRAWINGS.
3. ALL DOOR JAMBS IN ALL GWB AND MASONRY WALLS SHALL BE LOCATED 4" FROM ADJACENT WALL UNO.
4. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY INCONSISTENCY BETWEEN THESE PLANS AND ANY GOVERNING BUILDING CODES AND ORDINANCES. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AND MANUFACTURERS SPECIFICATIONS.
5. ALL DETAILS, INSTRUCTIONS, NOTE FINISHES, MATERIALS, AND DIMENSIONS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS, UNO.

DEMOLITION KEYNOTES

#	DESCRIPTION
1001	EXISTING DOOR TO REMAIN
1002	EXISTING STAIR TO REMAIN
1003	EXISTING WATER CLOSET TO REMAIN
1004	EXISTING SINK TO REMAIN
1005	EXISTING AIR COMPRESSOR TO REMAIN
1006	EXISTING WATER HEATER TO BE RELOCATED
1007	EXISTING RAISED CONCRETE SLAB TO REMAIN
1008	EXISTING SAFE TO REMAIN
1009	EXISTING COLUMN TO REMAIN
1010	DEMOLISH EXISTING WALL
1011	DEMOLISH EXISTING WALL TO DIMENSION SHOWN
1012	DEMOLISH EXISTING DOOR AND FRAME
1013	DEMOLISH EXISTING WINDOW AND FRAME
1014	DEMOLISH EXISTING WATER CLOSET
1015	DEMOLISH EXISTING SINK
1016	DEMOLISH EXISTING PRISON BARS AND DOOR
1017	DEMOLISH EXISTING CASEWORK
1018	DEMOLISH EXISTING RAISED FLOOR
1019	DEMOLISH EXISTING TOILET PARTITION
1020	DEMOLISH EXISTING STOREFRONT WINDOW
1021	DEMOLISH EXISTING ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS
1022	EXISTING COLUMN/SIGNAGE TO REMAIN

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04-APR-2025	B. KEECH	S. MARITZER	BID/PERMIT SET

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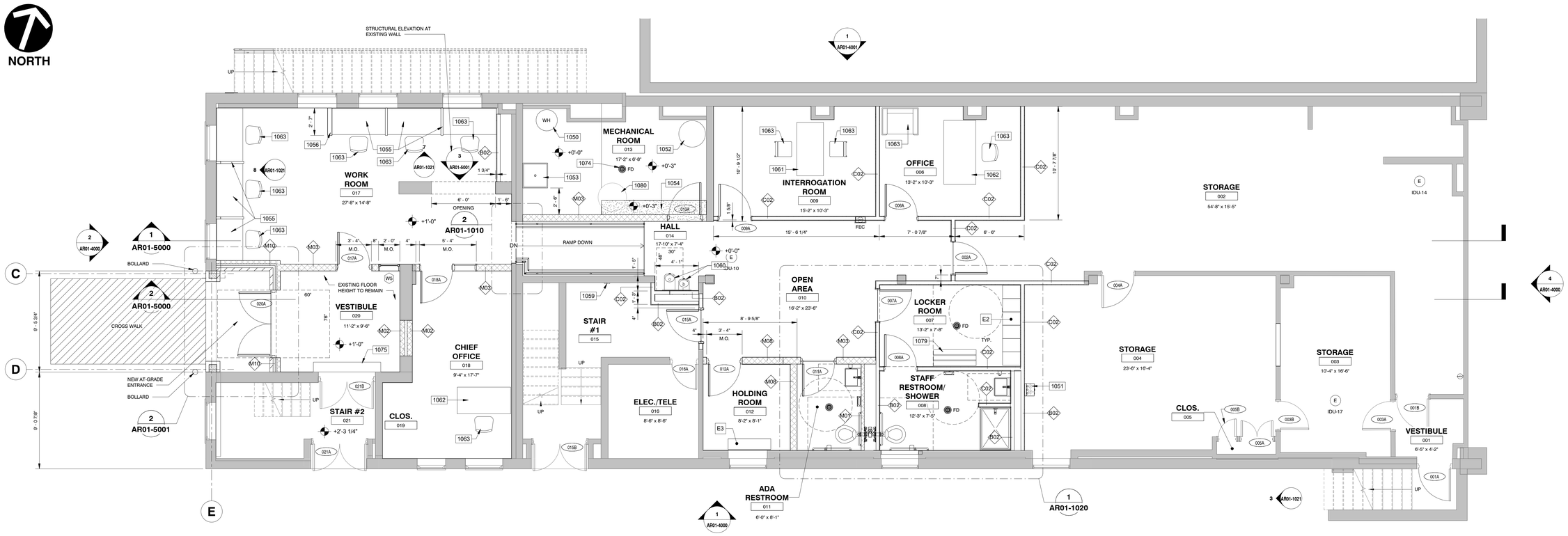
Civil & Environmental Consultants, Inc.

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
1ST FLOOR DEMOLITION PLAN

DATE:	JANUARY 2025
DRAWN BY:	B. KEECH
DWG SCALE:	AS SHOWN
CHECKED BY:	S. MARITZER
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

DRAWING NO.:
AR01-1001
SHEET OF 1



1 BASEMENT FLOOR PLAN

1/4" = 1'-0"

FLOOR PLAN LEGEND

- EXISTING WALLS/CONSTRUCTION
- NEW WALLS/CONSTRUCTION
- BELOW COUNTERCABINET/CASEWORK - SEE INTERIOR ELEVATIONS ON SHEET AR01-7000 AND CASEWORK DETAILS ON SHEET AR01-7002
- FE — FIRE EXTINGUISHER CABINET
- 1008 — FLOOR PLAN KEYNOTE - SEE FLOOR PLAN KEYNOTES LIST ON THIS SHEET
- M05 — PARTITION TYPE MARKER - SEE PARTITION TYPES ON SHEET AR01-0002
- 100A — DOOR TYPE MARKER - SEE DOOR SCHEDULE ON SHEET AR01-6000
- W5 — WINDOW TYPE MARKER - SEE WINDOW TYPES ON SHEET AR01-3000
- E1 — EQUIPMENT TAG - SEE EQUIPMENT SCHEDULE ON THIS SHEET
- T1 — TOILET ACCESSORY MARKER - SEE TOILET ACCESSORY SCHEDULE ON SHEET AR01-1020
- ELECTRICAL OUTLET - SEE ELECTRICAL DRAWINGS
- DATA/COMMUNICATIONS OUTLET - SEE ELECTRICAL DRAWINGS

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	COMMENTS
E1	THRU-WALL TRANSACTION DRAWER	**SHURESAFE**, MODEL #: SPT150 PASS-THRU-DRAWER. VERIFY WALL OPENING WITH MANUFACTURER'S REQUIRED OPENING DIMENSIONS. PROVIDED BY GENERAL CONTRACTOR. SEE DETAILS ON SHEET AR01-1021
E2	LOCKERS	**PENCO "VANGUARD"** MODEL: 6111R, 12" x 12" X 5'-0" HIGH, COLOR: 054 "CANVAS" PROVIDED BY GENERAL CONTRACTOR SEE SPEC SECTION 10 50 50, PART 2.3 'METAL LOCKERS - LOCKER BENCHES'
E3	STAINLESS STEEL FLOOR MOUNT DETENTION BENCH WITH HANDCUFF BAR - 4'-0" LONG	**KRYPTOMAX**, MODEL #: KM-FDB-48in-HCB, PROVIDED BY GENERAL CONTRACTOR

NOTES:

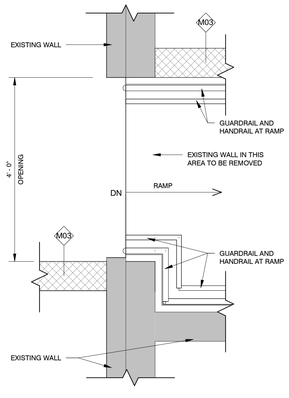
1) SEE INTERIOR ELEVATIONS ON SHEETS AR01-1020, AR01-1021 & AR01-7000 FOR MOUNTING HEIGHTS AND LOCATIONS

FLOOR PLAN GENERAL NOTES:

1. THE CONTRACTOR SHALL EXAMINE THE SITE AND VERIFY EXISTING CONDITIONS. ANY INCONSISTENCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR RESOLUTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR LAYOUT AND FOR VERIFYING ALL DIMENSIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S IMMEDIATE ATTENTION FOR RESOLUTION. DO NOT SCALE DRAWINGS.
3. ALL DOOR JAMBS IN ALL GWB AND MASONARY WALL SHALL BE LOCATED 4" FROM ADJACENT WALL UNO.
4. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY INCONSISTENCY BETWEEN THESE PLANS AND ANY GOVERNING BUILDING CODES AND ORINANCES. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AND MANUFACTURER'S SPECIFICATIONS.
5. ALL DETAILS, INSTRUCTIONS, NOTE FINISHES, MATERIALS, AND DIMENSIONS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS, UNO

FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

#	DESCRIPTION
1050	WATER HEATER - SEE PLUMBING DRAWINGS
1050	WATER HEATER - SEE PLUMBING DRAWINGS
1051	TANKLESS WATER HEATER - SEE PLUMBING DRAWINGS
1052	EXISTING AIR COMPRESSOR
1053	JANITOR SINK - SEE PLUMBING DRAWINGS
1054	AREA OF CONCRETE FILL - TO MATCH HEIGHT OF EXISTING RAISED CONCRETE FLOOR
1055	BUILT-IN WORK COUNTER AND DIVIDER PANELS - SEE DETAIL ON SHEET AR01-7000
1056	LOW WALL - SEE DETAIL ON SHEET AR01-1020
1057	PLASTIC LAMINATE COUNTER
1058	PLASTIC LAMINATE BASE CABINET
1059	KEY PAD - SEE ELECTRICAL DRAWINGS
1060	DRINKING FOUNTAIN, CENTER IN ALCOVE - SEE PLUMBING DRAWINGS
1061	INTERROGATION ROOM TABLE - PROVIDED BY OWNER
1062	OFFICE DESK - PROVIDED BY OWNER
1063	CHAIR - PROVIDED BY OWNER
1064	CONFERENCE ROOM TABLE AND CHAIRS - PROVIDED BY OWNER
1065	OFFICE DESK - PROVIDED BY OWNER
1066	BREAK ROOM TABLE AND CHAIRS - PROVIDED BY OWNER
1067	WORK DESK - PROVIDED BY OWNER
1068	EXISTING COLUMN/SIGNAGE TO REMAIN
1069	SHELVING - PROVIDED BY OWNER
1070	EXISTING WINDOW
1071	COPIER - PROVDED BY OWNER
1072	DISPLAY TABLE - PROVIDED BY OWNER
1073	RESILIENT BASE - SEE SPEC. SECTION 09 65 13
1074	FLOOR DRAIN - SEE PLUMBING DRAWINGS
1075	EXISTING CONCRETE STEP
1076	FIBERGLASS SHOWER ENCLOSURE - 76 3/4" HIGH x 48" WIDE x 34" DEEP ALCOVE SHOWER ENCLOSURE, MFR.: DREAMLINE, MODEL: QWALL5, OR APPROVED EQUAL
1077	ELECTRICAL OUTLET - SEE ELECTRICAL DRAWINGS
1078	LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
1079	LOCKER ROOM BENCH - SEE SPEC SECTION 10 50 50, 2.3
1080	RELOCATED COMPRESSED AIR RECEIVER



2 ENLARGED PLAN AT RAMP

3/4" = 1'-0"

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
A	15 JAN 2025	B. KEECH	S. MARITZER	ISSUED FOR REVIEW - SCHEMATIC DESIGN
B	24 JAN 2025	B. KEECH	S. MARITZER	ISSUED FOR REVIEW - SCHEMATIC DESIGN
C	31 JAN 2025	B. KEECH	S. MARITZER	ISSUED FOR REVIEW - SCHEMATIC DESIGN
D	11 FEB 2025	B. KEECH	S. MARITZER	PROGRESS SET
E	27 FEB 2025	B. KEECH	S. MARITZER	PROGRESS SET #2
F	11 MAR 2025	B. KEECH	S. MARITZER	PROGRESS SET #3
G	14 MAR 2025	B. KEECH	S. MARITZER	CONSTRUCTION DOCUMENTS
H	24 MAR 2025	B. KEECH	S. MARITZER	INTERNAL REVIEW SET

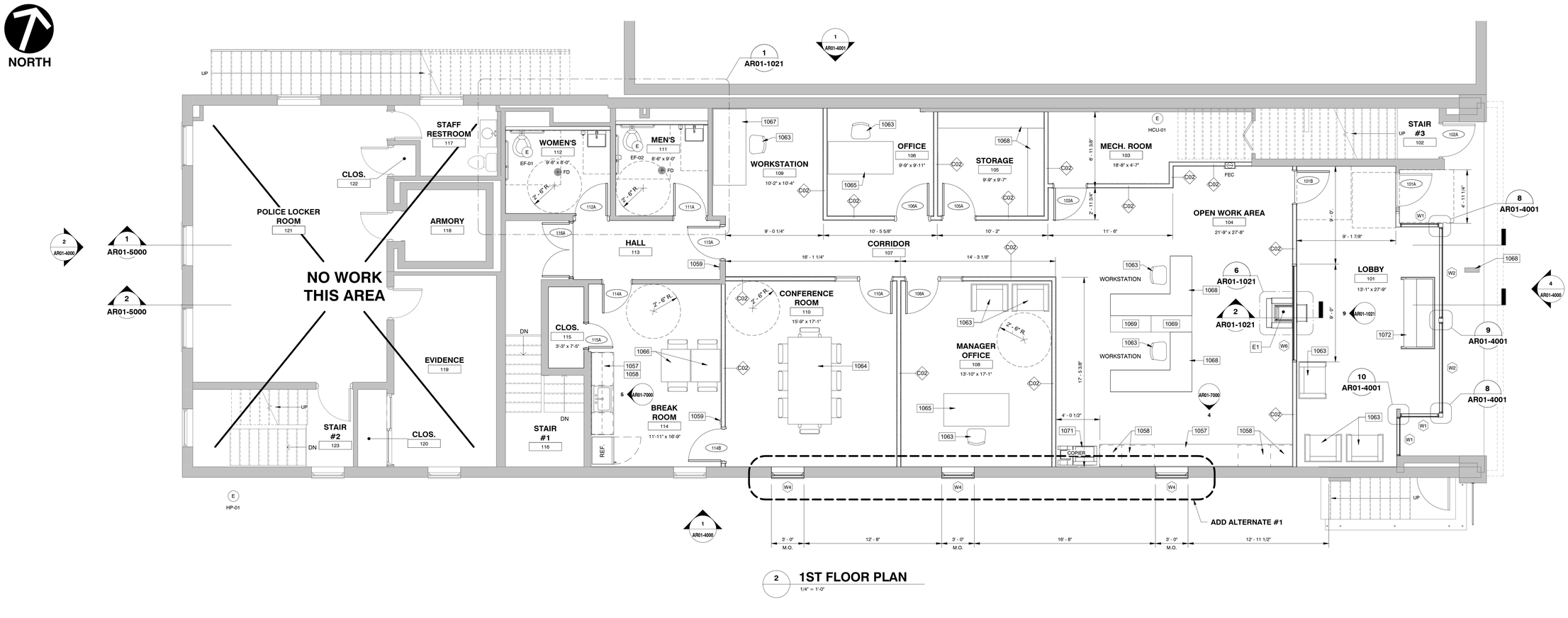
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Civil & Environmental Consultants, Inc.

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
BASEMENT FLOOR PLAN

DATE: JANUARY 2025
DWG SCALE: AS SHOWN
PROJECT NO: 347-133
DRAWN BY: B. KEECH
CHECKED BY: S. MARITZER
APPROVED BY: R. SUSALLA

DRAWING NO.:
AR01-1010
SHEET OF 1



2 1ST FLOOR PLAN

1/4" = 1'-0"

FLOOR PLAN LEGEND

- EXISTING WALLS/CONSTRUCTION
- NEW WALLS/CONSTRUCTION
- BELOW COUNTERCABINET/CASEWORK - SEE INTERIOR ELEVATIONS ON SHEET AR01-7000 AND CASEWORK DETAILS ON SHEET AR01-7002
- FE — FIRE EXTINGUISHER CABINET
- 1008 — FLOOR PLAN KEYNOTE - SEE FLOOR PLAN KEYNOTES LIST ON THIS SHEET
- M05 — PARTITION TYPE MARKER - SEE PARTITION TYPES ON SHEET AR01-0002
- 100A — DOOR TYPE MARKER - SEE DOOR SCHEDULE ON SHEET AR01-6000
- W5 — WINDOW TYPE MARKER - SEE WINDOW TYPES ON SHEET AR01-3000
- E1 — EQUIPMENT TAG - SEE EQUIPMENT SCHEDULE ON THIS SHEET
- T1 — TOILET ACCESSORY MARKER - SEE TOILET ACCESSORY SCHEDULE ON SHEET AR01-1020
- ELECTRICAL OUTLET - SEE ELECTRICAL DRAWINGS
- DATA/COMMUNICATIONS OUTLET - SEE ELECTRICAL DRAWINGS

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	COMMENTS
E1	THRU-WALL TRANSACTION DRAWER	**SHURESAFE**, MODEL #: SPT150 PASS-THRU-DRAWER. VERIFY WALL OPENING WITH MANUFACTURER'S REQUIRED OPENING DIMENSIONS. PROVIDED BY GENERAL CONTRACTOR. SEE DETAILS ON SHEET AR01-1021
E2	LOCKERS	**PENCO "VANGUARD"** MODEL: 6111R, 12" x 12" X 5'-0" HIGH, COLOR: 054 "CANVAS" PROVIDED BY GENERAL CONTRACTOR SEE SPEC SECTION 10 50 50, PART 2.3 'METAL LOCKERS - LOCKER BENCHES'
E3	STAINLESS STEEL FLOOR MOUNT DETENTION BENCH WITH HANDCUFF BAR - 4'-0" LONG	**KRYPTOMAX**, MODEL #: KM-FDB-48in-HCB, PROVIDED BY GENERAL CONTRACTOR

NOTES:

1) SEE INTERIOR ELEVATIONS ON SHEETS AR01-1020, AR01-1021 & AR01-7000 FOR MOUNTING HEIGHTS AND LOCATIONS

FLOOR PLAN GENERAL NOTES:

1. THE CONTRACTOR SHALL EXAMINE THE SITE AND VERIFY EXISTING CONDITIONS. ANY INCONSISTENCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR RESOLUTION.
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FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

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1050	WATER HEATER - SEE PLUMBING DRAWINGS
1050	WATER HEATER - SEE PLUMBING DRAWINGS
1051	TANKLESS WATER HEATER - SEE PLUMBING DRAWINGS
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1054	AREA OF CONCRETE FILL - TO MATCH HEIGHT OF EXISTING RAISED CONCRETE FLOOR
1055	BUILT-IN WORK COUNTER AND DIVIDER PANELS - SEE DETAIL ON SHEET AR01-7000
1056	LOW WALL - SEE DETAIL ON SHEET AR01-1020
1057	PLASTIC LAMINATE COUNTER
1058	PLASTIC LAMINATE BASE CABINET
1059	KEY PAD - SEE ELECTRICAL DRAWINGS
1060	DRINKING FOUNTAIN, CENTER IN ALCOVE - SEE PLUMBING DRAWINGS
1061	INTERROGATION ROOM TABLE - PROVIDED BY OWNER
1062	OFFICE DESK - PROVIDED BY OWNER
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1071	COPIER - PROVDED BY OWNER
1072	DISPLAY TABLE - PROVIDED BY OWNER
1073	RESILIENT BASE - SEE SPEC. SECTION 09 65 13
1074	FLOOR DRAIN - SEE PLUMBING DRAWINGS
1075	EXISTING CONCRETE STEP
1076	FIBERGLASS SHOWER ENCLOSURE - 76 3/4" HIGH x 48" WIDE x 34" DEEP ALCOVE SHOWER ENCLOSURE, MFR.: DREAMLINE, MODEL: QWALL5, OR APPROVED EQUAL
1077	ELECTRICAL OUTLET - SEE ELECTRICAL DRAWINGS
1078	LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
1079	LOCKER ROOM BENCH - SEE SPEC SECTION 10 50 50, 2.3
1080	RELOCATED COMPRESSED AIR RECEIVER

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. KEECH	S. MARITZER	BID/PERMIT SET

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Moon Township, Pa 15108
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IRWIN BOROUGH RENOVATION
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IRWIN, PA 15642

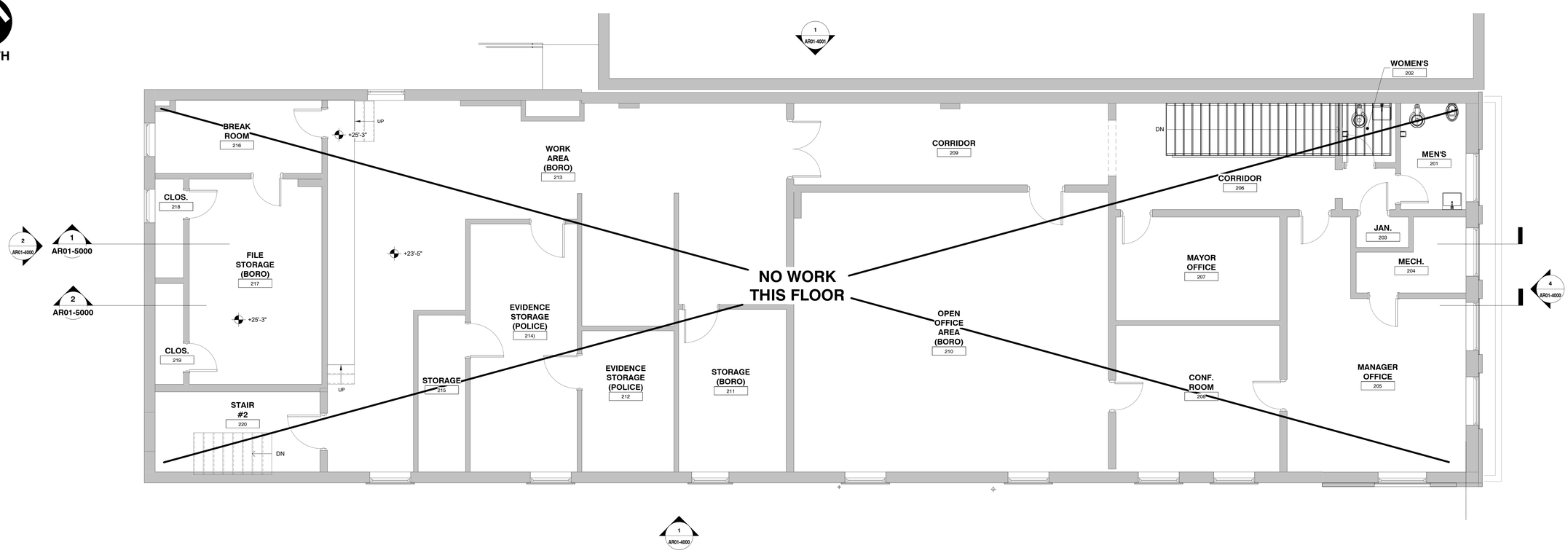
ARCHITECTURAL
BASEMENT FLOOR PLAN

DATE:	JANUARY 2025
DRAWN BY:	B. KEECH
DWG SCALE:	AS SHOWN
CHECKED BY:	S. MARITZER
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

DRAWING NO.:
AR01-1011
SHEET OF 1

NORTH



1 **2ND FLOOR PLAN**
1/4" = 1'-0"

FLOOR PLAN LEGEND

- EXISTING WALLS/CONSTRUCTION
- NEW WALLS/CONSTRUCTION
- BELOW COUNTERCABINET/CASEWORK - SEE INTERIOR ELEVATIONS ON SHEET AR01-7000 AND CASEWORK DETAILS ON SHEET AR01-7002
- FE — FIRE EXTINGUISHER CABINET
- 1008 — FLOOR PLAN KEYNOTE - SEE FLOOR PLAN KEYNOTES LIST ON THIS SHEET
- M05 — PARTITION TYPE MARKER - SEE PARTITION TYPES ON SHEET AR01-0002
- 100A — DOOR TYPE MARKER - SEE DOOR SCHEDULE ON SHEET AR01-6000
- W5 — WINDOW TYPE MARKER - SEE WINDOW TYPES ON SHEET AR01-3000
- E1 — EQUIPMENT TAG - SEE EQUIPMENT SCHEDULE ON THIS SHEET
- T1 — TOILET ACCESSORY MARKER - SEE TOILET ACCESSORY SCHEDULE ON SHEET AR01-1020
- ELECTRICAL OUTLET - SEE ELECTRICAL DRAWINGS
- DATA/COMMUNICATIONS OUTLET - SEE ELECTRICAL DRAWINGS

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	COMMENTS
E1	THRU-WALL TRANSACTION DRAWER	**SHURESAFE**, MODEL #: SPT150 PASS-THRU-DRAWER. VERIFY WALL OPENING WITH MANUFACTURER'S REQUIRED OPENING DIMENSIONS. PROVIDED BY GENERAL CONTRACTOR. SEE DETAILS ON SHEET AR01-1021
E2	LOCKERS	**PENCO "VANGUARD"** MODEL: 6111R, 12" x 12" X 5'-0" HIGH, COLOR: 054 "CANVAS" PROVIDED BY GENERAL CONTRACTOR SEE SPEC SECTION 10 50 50, PART 2.3 'METAL LOCKERS - LOCKER BENCHES'
E3	STAINLESS STEEL FLOOR MOUNT DETENTION BENCH WITH HANDCUFF BAR - 4'-0" LONG	**KRYPTOMAX**, MODEL #: KM-FDB-48in-HCB, PROVIDED BY GENERAL CONTRACTOR

NOTES:

1) SEE INTERIOR ELEVATIONS ON SHEETS AR01-1020, AR01-1021 & AR01-7000 FOR MOUNTING HEIGHTS AND LOCATIONS

FLOOR PLAN GENERAL NOTES:

1. THE CONTRACTOR SHALL EXAMINE THE SITE AND VERIFY EXISTING CONDITIONS. ANY INCONSISTENCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR RESOLUTION.
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FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

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1079	LOCKER ROOM BENCH - SEE SPEC SECTION 10 50 50, 2.3
1080	RELOCATED COMPRESSED AIR RECEIVER

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
A	14 MAR 2025	B. KEECH	S. MARITZER	ISSUED FOR REVIEW - SCHEMATIC DESIGN
B	24 JAN 2025	B. KEECH	S. MARITZER	ISSUED FOR REVIEW - SCHEMATIC DESIGN
C	11 FEB 2025	B. KEECH	S. MARITZER	PROGRESS SET
D	27 FEB 2025	B. KEECH	S. MARITZER	PROGRESS SET #2
E	11 MAR 2025	B. KEECH	S. MARITZER	PROGRESS SET #3
F	14 MAR 2025	B. KEECH	S. MARITZER	30% CONSTRUCTION DOCUMENTS
G	24 MAR 2025	B. KEECH	S. MARITZER	INTERNAL REVIEW SET

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Moon Township, Pa 15108
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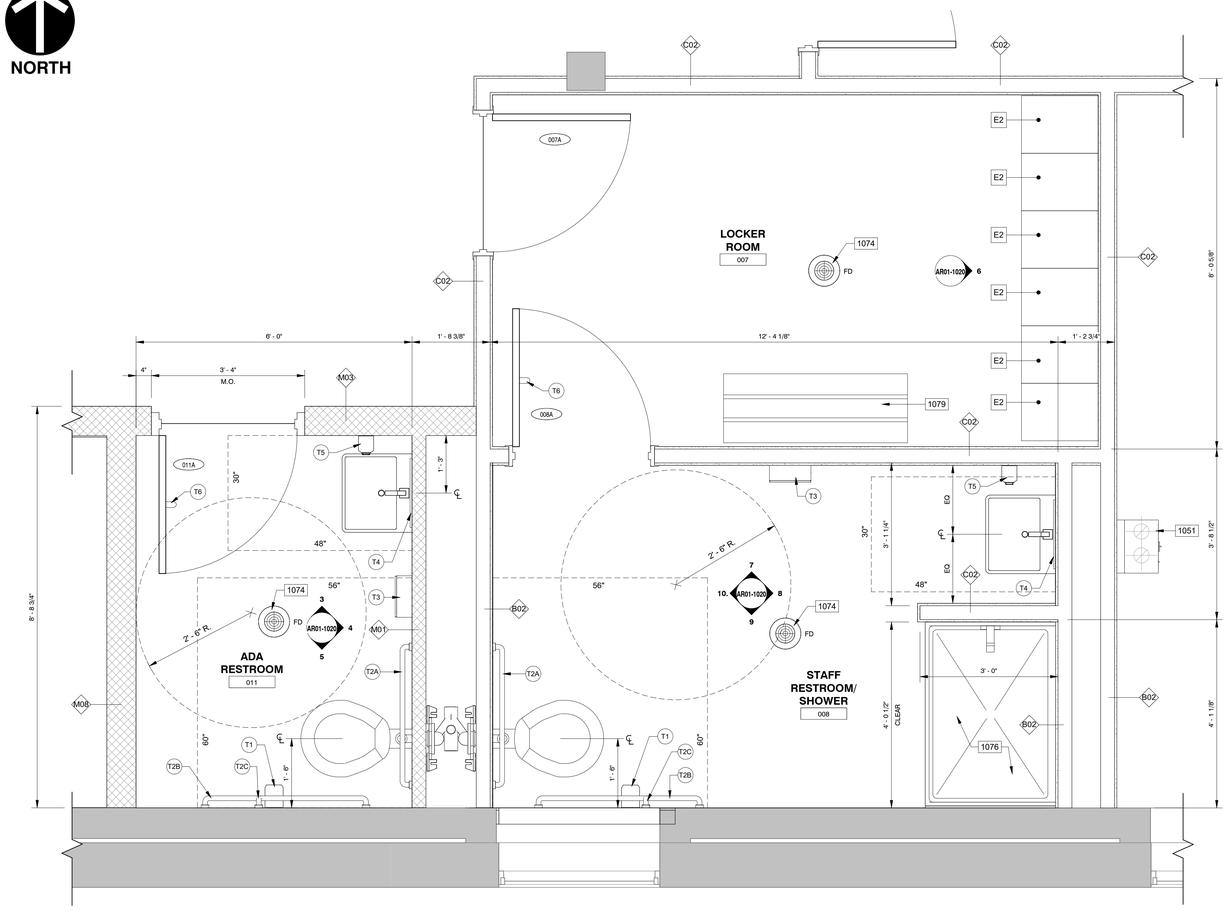
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
SECOND FLOOR PLAN

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

DRAWING NO.:
AR01-1012
SHEET OF **1**



1 ENLARGED PLAN
3/4" = 1'-0"

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	COMMENTS
E1	THRU-WALL TRANSACTION DRAWER	**SHURESAFE**. MODEL #: SPT150 PASS-THRU-DRAWER. VERIFY WALL OPENING WITH MANUFACTURER'S REQUIRED OPENING DIMENSIONS. PROVIDED BY GENERAL CONTRACTOR. SEE DETAILS ON SHEET AR01-1021
E2	LOCKERS	**PENCO 'VANGUARD'** MODEL: 6111R, 12" x 12" X 5'-0" HIGH, COLOR: 054 "CANVAS" PROVIDED BY GENERAL CONTRACTOR SEE SPEC SECTION 10 50 50, PART 2.3 'METAL LOCKERS - LOCKER BENCHES'
E3	STAINLESS STEEL FLOOR MOUNT DETENTION BENCH WITH HANDCUFF BAR - 4'-0" LONG	**KRYPTOMAX**. MODEL #: KM-FDB-48in-HCB, PROVIDED BY GENERAL CONTRACTOR

NOTES:

1) SEE INTERIOR ELEVATIONS ON SHEETS AR01-1020, AR01-1021 & AR01-7000 FOR MOUNTING HEIGHTS AND LOCATIONS

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	COMMENTS
T1	TOILET TISSUE DISPENSER	
T2A	GRAB BAR, 36" HORIZONTAL	
T2B	GRAB BAR, 42" HORIZONTAL	
T2C	GRAB BAR, 18" VERTICAL	
T3	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, SURFACE-MOUNTED	MOUNT TO WALL, DISPENSER AT 48" A.F.F. MAX.
T4	FRAMELESS MIRROR UNIT	
T5	SOAP DISPENSER	
T6	COAT HOOK	

NOTES:

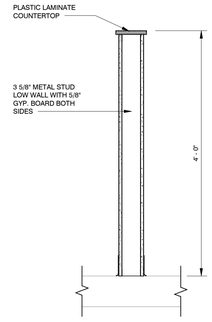
1) SEE SPECIFICATION SECTION 10 28 00 - 'TOILET, BATH AND LAUNDRY ACCESSORIES' FOR BASIS OF DESIGN PRODUCT AND MODEL
2) SEE INTERIOR ELEVATIONS ON THIS SHEET FOR MOUNTING HEIGHTS AND LOCATIONS

INTERIOR ELEVATION LEGEND

- 100B — FLOOR PLAN KEYNOTE - SEE FLOOR PLAN KEYNOTES LIST ON THIS SHEET
- T1 — TOILET ACCESSORY MARKER - SEE TOILET ACCESSORY SCHEDULE ON SHEET AR01-1020
- 100A — DOOR TYPE MARKER - SEE DOOR SCHEDULE ON SHEET AR01-6000
- WS — WINDOW TYPE MARKER - SEE WINDOW TYPES ON SHEET AR01-3000
- E1 — EQUIPMENT TAG - SEE EQUIPMENT SCHEDULE ON THIS SHEET

ENLARGED PLAN GENERAL NOTES:

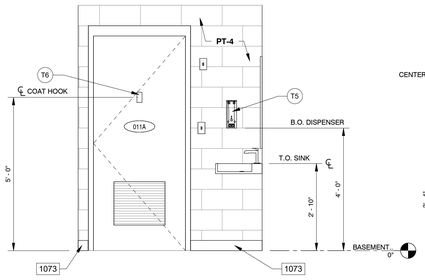
1. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE TYPES.
2. PROVIDE WOOD BLOCKING IN WALL AT SUPPORTS FOR GRAB BARS AND OTHER ACCESSORY PER MANUFACTURER'S RECOMMENDATIONS.
3. ALL ACCESSORIES LOCATED IN HANDICAP ACCESSIBLE AREAS ARE TO BE MOUNTED PER MANUFACTURER'S ADA RECOMMENDATIONS.
4. DIMENSIONS FOR FIXTURES AND ACCESSORIES ARE FROM FINISH FACE OF WALLS.



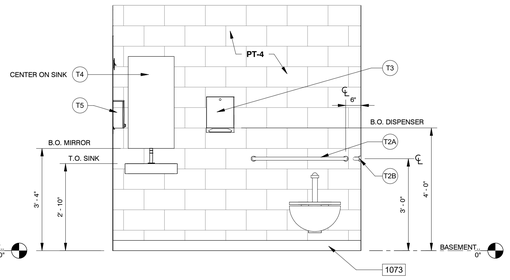
2 LOW WALL DETAIL
1" = 1'-0"

FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

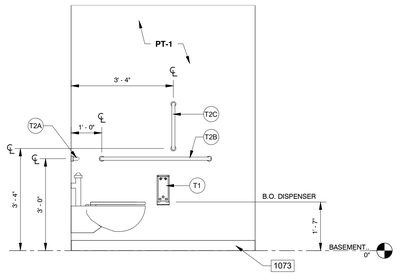
#	DESCRIPTION
1050	WATER HEATER - SEE PLUMBING DRAWINGS
1050	WATER HEATER - SEE PLUMBING DRAWINGS
1051	TANKLESS WATER HEATER - SEE PLUMBING DRAWINGS
1052	EXISTING AIR COMPRESSOR
1053	JANITOR SINK - SEE PLUMBING DRAWINGS
1054	AREA OF CONCRETE FILL - TO MATCH HEIGHT OF EXISTING RAISED CONCRETE FLOOR
1055	BUILT-IN WORK COUNTER AND DIVIDER PANELS - SEE DETAIL ON SHEET AR01-7000
1056	LOW WALL - SEE DETAIL ON SHEET AR01-1020
1057	PLASTIC LAMINATE COUNTER
1058	PLASTIC LAMINATE BASE CABINET
1059	KEY PAD - SEE ELECTRICAL DRAWINGS
1060	DRINKING FOUNTAIN, CENTER IN ALCOVE - SEE PLUMBING DRAWINGS
1061	INTERROGATION ROOM TABLE - PROVIDED BY OWNER
1062	OFFICE DESK - PROVIDED BY OWNER
1063	CHAIR - PROVIDED BY OWNER
1064	CONFERENCE ROOM TABLE AND CHAIRS - PROVIDED BY OWNER
1065	OFFICE DESK - PROVIDED BY OWNER
1066	BREAK ROOM TABLE AND CHAIRS - PROVIDED BY OWNER
1067	WORK DESK - PROVIDED BY OWNER
1068	EXISTING COLUMN/SIGNAGE TO REMAIN
1069	SHELVING - PROVIDED BY OWNER
1070	EXISTING WINDOW
1071	COPIER - PROVDED BY OWNER
1072	DISPLAY TABLE - PROVIDED BY OWNER
1073	RESILIENT BASE - SEE SPEC. SECTION 09 65 13
1074	FLOOR DRAIN - SEE PLUMBING DRAWINGS
1075	EXISTING CONCRETE STEP
1076	FIBERGLASS SHOWER ENCLOSURE - 76 3/4" HIGH x 48" WIDE x 34" DEEP ALCOVE SHOWER ENCLOSURE, MFR.: DREAMLINE, MODEL: QWALL5, OR APPROVED EQUAL
1077	ELECTRICAL OUTLET - SEE ELECTRICAL DRAWINGS
1078	LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
1079	LOCKER ROOM BENCH - SEE SPEC SECTION 10 50 50, 2.3
1080	RELOCATED COMPRESSED AIR RECEIVER



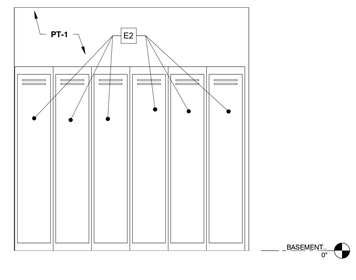
3 RESTROOM ELEVATION
1/2" = 1'-0"



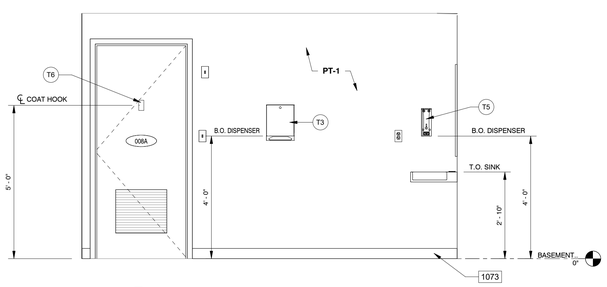
4 BASEMENT ADA RESTROOM ELEVATION 2
1/2" = 1'-0"



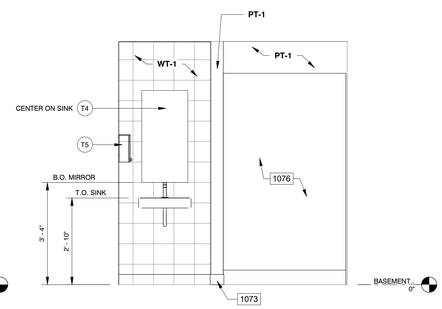
5 RESTROOM ELEVATION
1/2" = 1'-0"



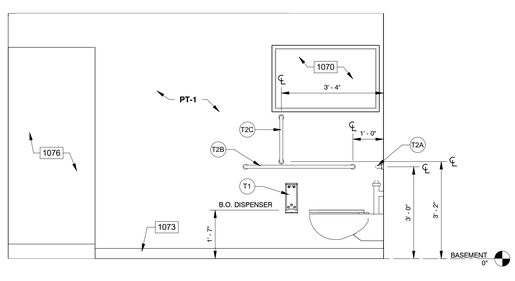
6 RESTROOM ELEVATION
1/2" = 1'-0"



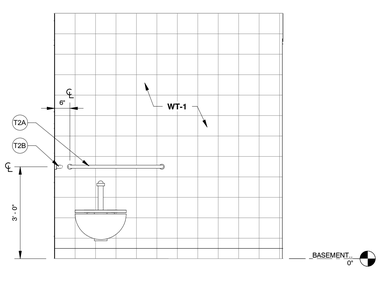
7 RESTROOM ELEVATION
1/2" = 1'-0"



8 RESTROOM ELEVATION
1/2" = 1'-0"



9 RESTROOM ELEVATION
1/2" = 1'-0"



10. RESTROOM ELEVATION
1/2" = 1'-0"

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. REECH	S. MARTZEN	BID/PERMIT SET

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Moon Township, Pa 15108
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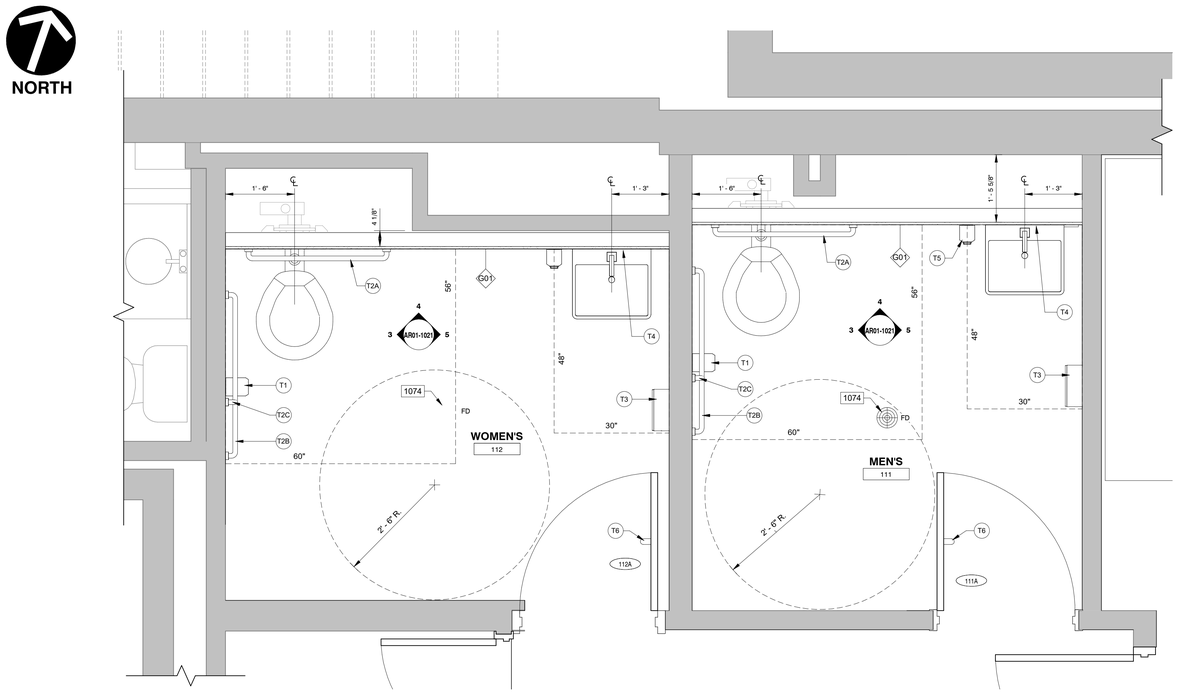
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
ENLARGED FLOOR PLAN AND INTERIOR ELEVATIONS

DATE:	JANUARY 2025	DRAFT
DWG SCALE:	AS SHOWN	DRAFT
PROJECT NO.		347-133
APPROVED BY:		DRAFT

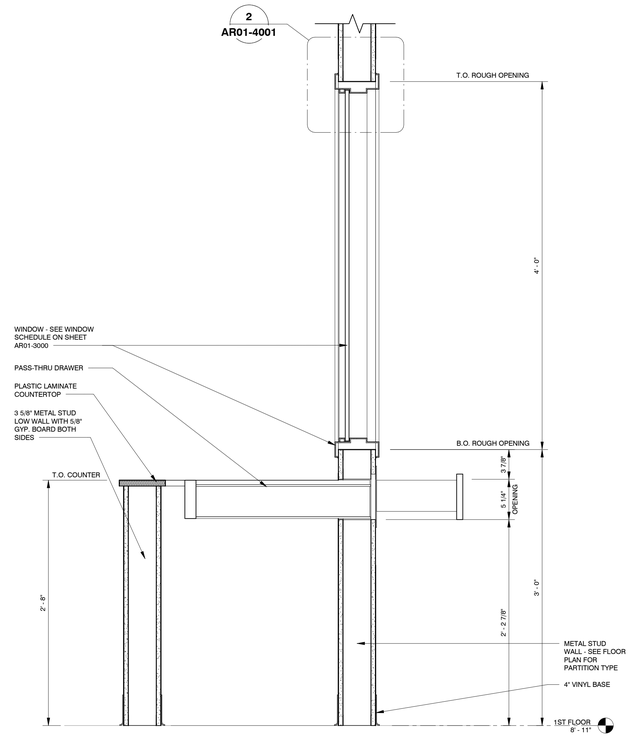
REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

DRAWING NO.:
AR01-1020
SHEET OF 1



1 ENLARGED PLAN

3/4" = 1'-0"



2 PASS-THROUGH DRAWER DETAIL

AR01-1001 1 1/2" = 1'-0"

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	COMMENTS
T1	TOILET TISSUE DISPENSER	
T2A	GRAB BAR, 36" HORIZONTAL	
T2B	GRAB BAR, 42" HORIZONTAL	
T2C	GRAB BAR, 18" VERTICAL	
T3	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, SURFACE-MOUNTED	MOUNT TO WALL, DISPENSER AT 48" A.F.F. MAX.
T4	FRAMELESS MIRROR UNIT	
T5	SOAP DISPENSER	
T6	COAT HOOK	

NOTES:

1) SEE SPECIFICATION SECTION 10 28 00 - 'TOILET, BATH AND LAUNDRY ACCESSORIES' FOR BASIS OF DESIGN PRODUCT AND MODEL
2) SEE INTERIOR ELEVATIONS ON THIS SHEET FOR MOUNTING HEIGHTS AND LOCATIONS

INTERIOR ELEVATION LEGEND

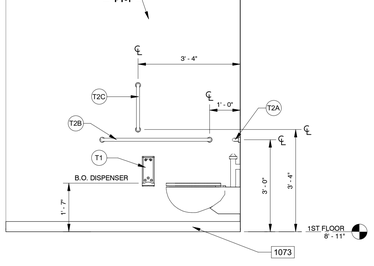
- 100B — FLOOR PLAN KEYNOTE - SEE FLOOR PLAN KEYNOTES LIST ON THIS SHEET
- T1 — TOILET ACCESSORY MARKER - SEE TOILET ACCESSORY SCHEDULE ON SHEET AR01-1020
- 100A — DOOR TYPE MARKER - SEE DOOR SCHEDULE ON SHEET AR01-6000
- WS — WINDOW TYPE MARKER - SEE WINDOW TYPES ON SHEET AR01-3000
- E1 — EQUIPMENT TAG - SEE EQUIPMENT SCHEDULE ON THIS SHEET

ENLARGED PLAN GENERAL NOTES:

1. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE TYPES.
2. PROVIDE WOOD BLOCKING IN WALL AT SUPPORTS FOR GRAB BARS AND OTHER ACCESSORY PER MANUFACTURER'S RECOMMENDATIONS.
3. ALL ACCESSORIES LOCATED IN HANDICAP ACCESSIBLE AREAS ARE TO BE MOUNTED PER MANUFACTURER'S ADA RECOMMENDATIONS.
4. DIMENSIONS FOR FIXTURES AND ACCESSORIES ARE FROM FINISH FACE OF WALLS.

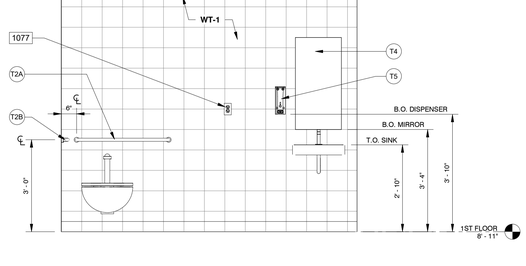
FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

#	DESCRIPTION
1050	WATER HEATER - SEE PLUMBING DRAWINGS
1050	WATER HEATER - SEE PLUMBING DRAWINGS
1051	TANKLESS WATER HEATER - SEE PLUMBING DRAWINGS
1052	EXISTING AIR COMPRESSOR
1053	JANITOR SINK - SEE PLUMBING DRAWINGS
1054	AREA OF CONCRETE FILL - TO MATCH HEIGHT OF EXISTING RAISED CONCRETE FLOOR
1055	BUILT-IN WORK COUNTER AND DIVIDER PANELS - SEE DETAIL ON SHEET AR01-7000
1056	LOW WALL - SEE DETAIL ON SHEET AR01-1020
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1074	FLOOR DRAIN - SEE PLUMBING DRAWINGS
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1079	LOCKER ROOM BENCH - SEE SPEC SECTION 10 50 50, 2.3
1080	RELOCATED COMPRESSED AIR RECEIVER



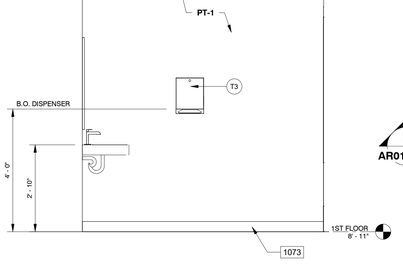
3 RESTROOM ELEVATION

1/2" = 1'-0"



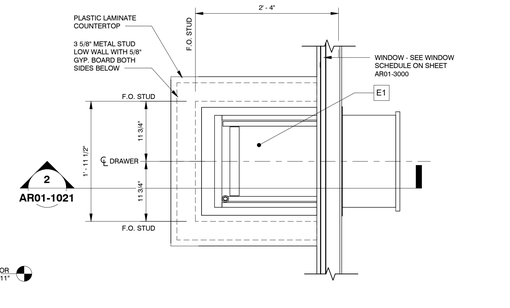
4 RESTROOM ELEVATION

1/2" = 1'-0"



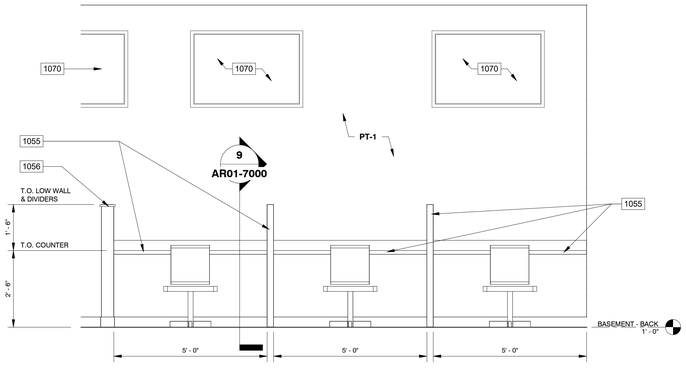
5 RESTROOM ELEVATION

1/2" = 1'-0"



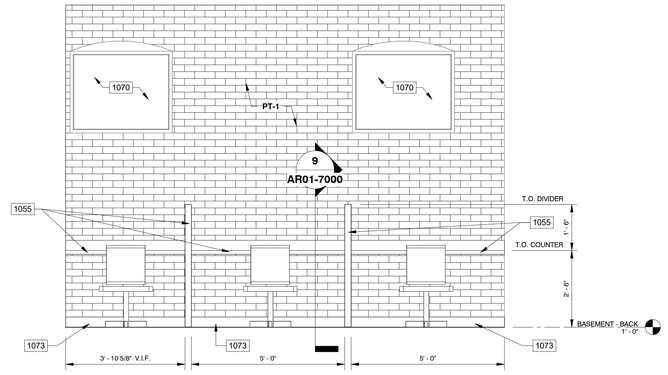
6 PASS-THRU DRAWER PLAN

1" = 1'-0"



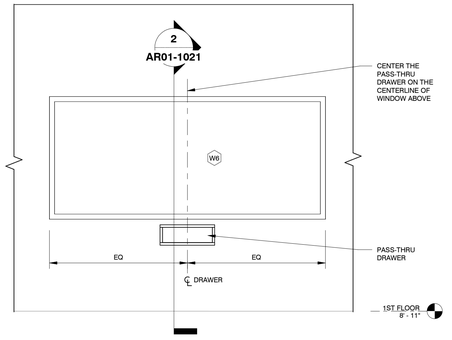
7 CASEWORK ELEVATION

1/2" = 1'-0"



8 CASEWORK ELEVATION

1/2" = 1'-0"



9 PASS-THROUGH DRAWER

1/2" = 1'-0"

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	COMMENTS
E1	THRU-WALL TRANSACTION DRAWER	**SHURESAFE**, MODEL #: SPT150 PASS-THRU-DRAWER. VERIFY WALL OPENING WITH MANUFACTURER'S REQUIRED OPENING DIMENSIONS. PROVIDED BY GENERAL CONTRACTOR. SEE DETAILS ON SHEET AR01-1021
E2	LOCKERS	**PENCO "VANGUARD"** MODEL: 6111R, 12" x 12" X 5'-0" HIGH, COLOR: 054 "CANVAS" PROVIDED BY GENERAL CONTRACTOR SEE SPEC SECTION 10 50 50, PART 2.3 'METAL LOCKERS - LOCKER BENCHES'
E3	STAINLESS STEEL FLOOR MOUNT DETENTION BENCH WITH HANDCUFF BAR - 4'-0" LONG	**KRYPTOMAX**, MODEL #: KM-FDB-48in-HCB, PROVIDED BY GENERAL CONTRACTOR

NOTES:

1) SEE INTERIOR ELEVATIONS ON SHEETS AR01-1020, AR01-1021 & AR01-7000 FOR MOUNTING HEIGHTS AND LOCATIONS

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. REECH	S. MARTZEW	BID/PERMIT SET

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Moon Township, Pa 15108
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www.cecinc.com
Civil & Environmental Consultants, Inc.

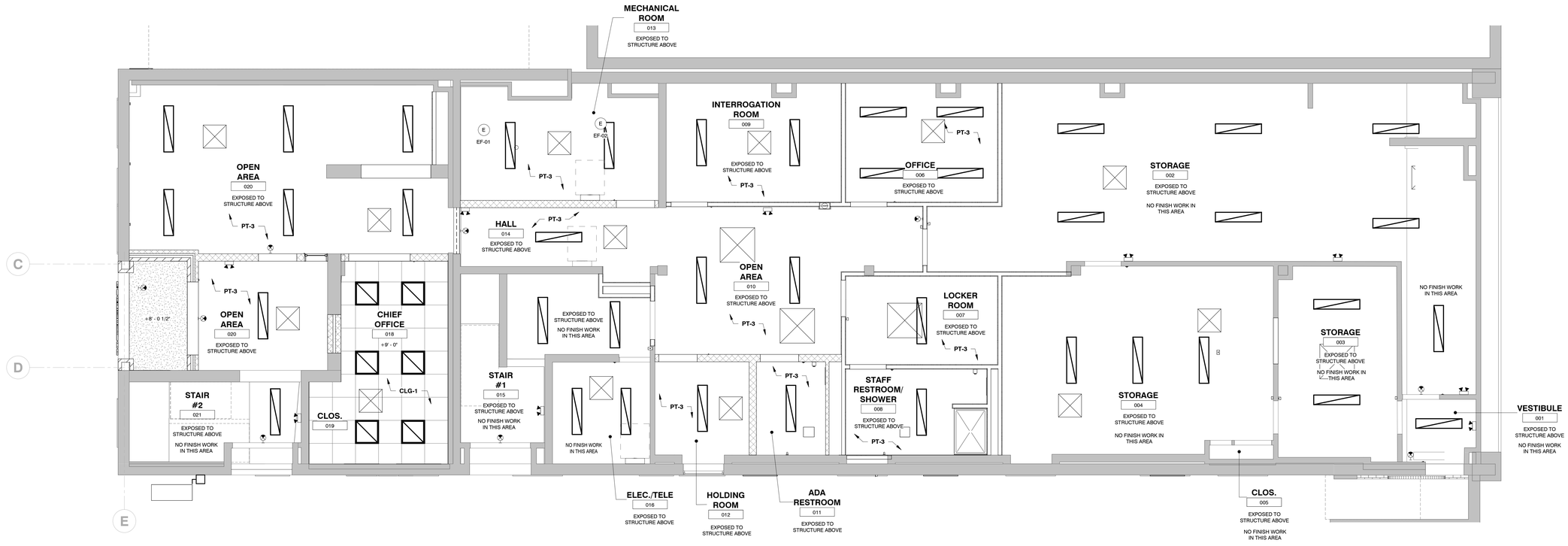
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
ENLARGED FLOOR PLAN AND INTERIOR ELEVATIONS

DATE:	JANUARY 2025
DRAWN BY:	DRAFT
DWG SCALE:	AS SHOWN
CHECKED BY:	DRAFT
PROJECT NO:	347-193
APPROVED BY:	DRAFT

DRAWING NO.: AR01-1021
SHEET OF 1

NORTH



PLAN

1/4" = 1'-0"

REFLECTED CEILING PLAN NOTES:

1. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION.
2. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. IN ROOMS WITH A SINGLE LIGHT, CENTER IN ROOM, UNO.
4. ALL RESTROOM GWB CEILING TO BE MILDEW RESISTANT WITH 3 1/2" BATT INSULATION ABOVE.
5. REFLECTED CEILING PLANS ARE SCHEMATIC IN NATURE AND INTENDED TO SHOW GENERAL LAYOUT AND DESIGN INTENT ONLY.
6. ELECTRICAL CONTRACTOR TO BE FULLY RESPONSIBLE FOR ATTACHMENT OF LIGHTING FIXTURES TO CEILING. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE LAYOUT.
7. GENERAL TRADES CONTRACTOR TO PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF LIGHTING FIXTURES, HVAC DIFFUSERS, ETC.
8. ALL GRILLES AND DIFFUSERS ARE TO LOCATED PER MECHANICAL DRAWINGS.
9. REFER TO FLOOR PLAN SHEET AR01-1001 FOR WALL LEGEND SYMBOLS.
10. SPRINKLER HEAD LOCATIONS TO BE COORDINATED WITH THIS PLAN, PLUMBING DRAWINGS AND SPRINKLER SHOP DRAWINGS.
11. SEE ELECTRICAL DRAWINGS FOR LIGHTING TYPE AND MOUNTING.
12. SPRINKLERS ARE PART OF THIS PROJECT HOWEVER NOT SHOWN HERE. LOCATIONS TO BE PROVIDED BY SPRINKLER DESIGNER AFTER BIDDING. SPRINKLER DESIGNER TO COORDINATE SPRINKLER HEAD LOCATIONS WITH CEILING ITEMS AND OTHER TRADES.

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
+X' - X"	CEILING HEIGHT
CLG-1	CEILING TYPE - SEE FINISH SCHEDULE ON SHEETS AR01-8000 & AR01-8001
	AIR SUPPLY DIFFUSER
	AIR RETURN DIFFUSER
	EXHAUST FAN
	2 X 2 RECESSED TROFFER LIGHT
	SURFACE MOUNTED LIGHT
	SUSPENDED PENDANT LIGHT
	EXIT SIGN
	EMERGENCY LIGHTING
	2 X 2 ACOUSTICAL CEILING TILE
	2 X 2 DECORATIVE CEILING TILE BY ARMSTRONG CEILINGS, PRODUCT: "METALLAIRE"; FINISH: "BEAD" 24" X 24" SUSPENDED, PRODUCT NO.: 5422504L, COLOR: COPPER
	GYPSUM BOARD CEILING
	EXISTING CEILING TO REMAIN

NOTES:
1. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION.
2. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. IN ROOMS WITH A SINGLE LIGHT, CENTER IN ROOM, UNO.
4. ALL RESTROOM GWB CEILING TO BE MILDEW RESISTANT WITH 3 1/2" BATT INSULATION ABOVE.

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. KEECH	S. MARITZER	BID/PERMIT SET

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Moon Township, Pa 15108
412-429-2324 • 800-365-2324
www.cecinc.com

Civil & Environmental Consultants, Inc.

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

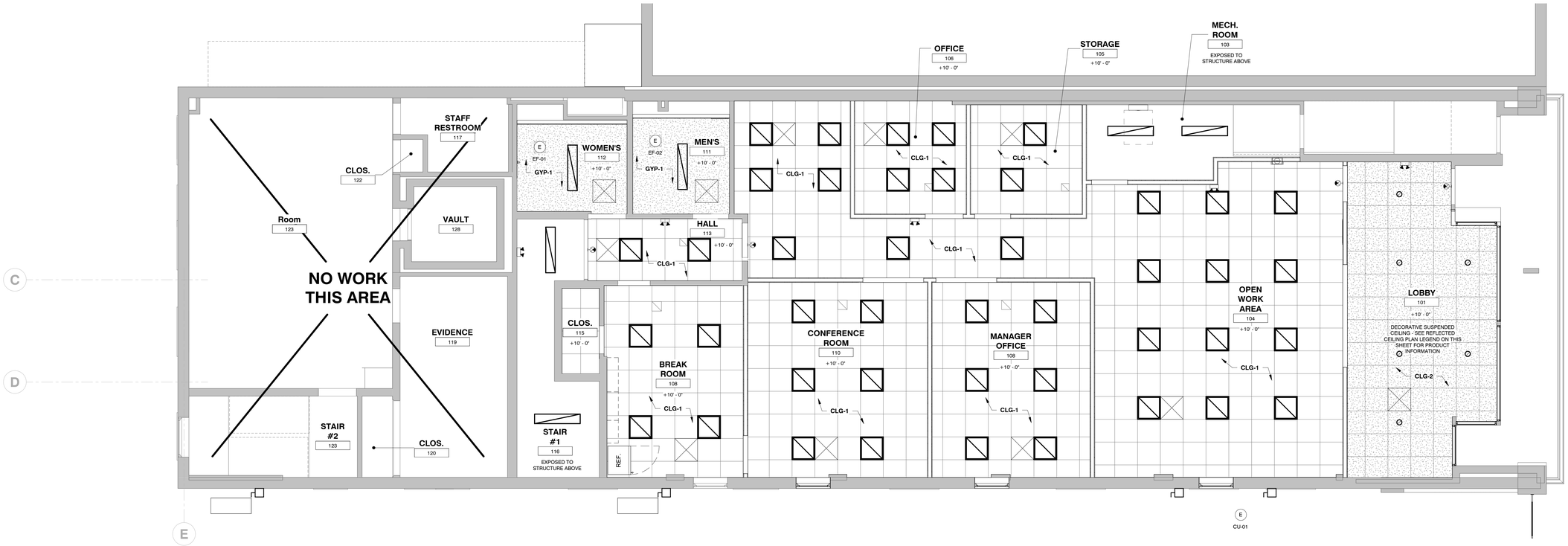
ARCHITECTURAL

BASEMENT REFLECTED CEILING PLAN

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
PROJECT NO:	347.133
APPROVED BY:	R. SUSALLA

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
RICHARD A. SUSALLA

DRAWING NO.:
AR01-2000
SHEET OF 1



PLAN

1/4" = 1'-0"

REFLECTED CEILING PLAN NOTES:

1. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION.
2. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. IN ROOMS WITH A SINGLE LIGHT, CENTER IN ROOM, UNO.
4. ALL RESTROOM GWB CEILING TO BE MILDEW RESISTANT WITH 3 1/2" BATT INSULATION ABOVE.
5. REFLECTED CEILING PLANS ARE SCHEMATIC IN NATURE AND INTENDED TO SHOW GENERAL LAYOUT AND DESIGN INTENT ONLY.
6. ELECTRICAL CONTRACTOR TO BE FULLY RESPONSIBLE FOR ATTACHMENT OF LIGHTING FIXTURES TO CEILING. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE LAYOUT.
7. GENERAL TRADES CONTRACTOR TO PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF LIGHTING FIXTURES, HVAC DIFFUSERS, ETC.
8. ALL GRILLES AND DIFFUSERS ARE TO LOCATED PER MECHANICAL DRAWINGS.
9. REFER TO FLOOR PLAN SHEET AR01-1001 FOR WALL LEGEND SYMBOLS.
10. SPRINKLER HEAD LOCATIONS TO BE COORDINATED WITH THIS PLAN, PLUMBING DRAWINGS AND SPRINKLER SHOP DRAWINGS.
11. SEE ELECTRICAL DRAWINGS FOR LIGHTING TYPE AND MOUNTING.
12. SPRINKLERS ARE PART OF THIS PROJECT HOWEVER NOT SHOWN HERE. LOCATIONS TO BE PROVIDED BY SPRINKLER DESIGNER AFTER BIDDING, SPRINKLER DESIGNER TO COORDINATE SPRINKLER I-EAD LOCATIONS WITH CEILING ITEMS AND OTHER TRADES.

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
+X' - X"	CEILING HEIGHT
CLG-1	CEILING TYPE - SEE FINISH SCHEDULE ON SHEETS AR01-8000 & AR01-8001
	AIR SUPPLY DIFFUSER
	AIR RETURN DIFFUSER
	EXHAUST FAN
	2 X 2 RECESSED TROFFER LIGHT
	SURFACE MOUNTED LIGHT
	SUSPENDED PENDANT LIGHT
	EXIT SIGN
	EMERGENCY LIGHTING
	2 X 2 ACOUSTICAL CEILING TILE
	2 X 2 DECORATIVE CEILING TILE BY ARMSTRONG CEILINGS, PRODUCT: "METALLAIRE"; FINISH: "BEAD" 24" X 24" SUSPENDED, PRODUCT NO.: 5422504L, COLOR: COPPER
	GYPSUM BOARD CEILING
	EXISTING CEILING TO REMAIN

NOTES:
1. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION.
2. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. IN ROOMS WITH A SINGLE LIGHT, CENTER IN ROOM, UNO.
4. ALL RESTROOM GWB CEILING TO BE MILDEW RESISTANT WITH 3 1/2" BATT INSULATION ABOVE.

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04-APR-2005	B. KEECH	S. MARITZER	BID/PERMIT SET

700 Cherrington Parkway
Moon Township, Pa 15108
412-429-2324 • 800-365-2324
www.cecinc.com

Civil & Environmental Consultants, Inc.

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

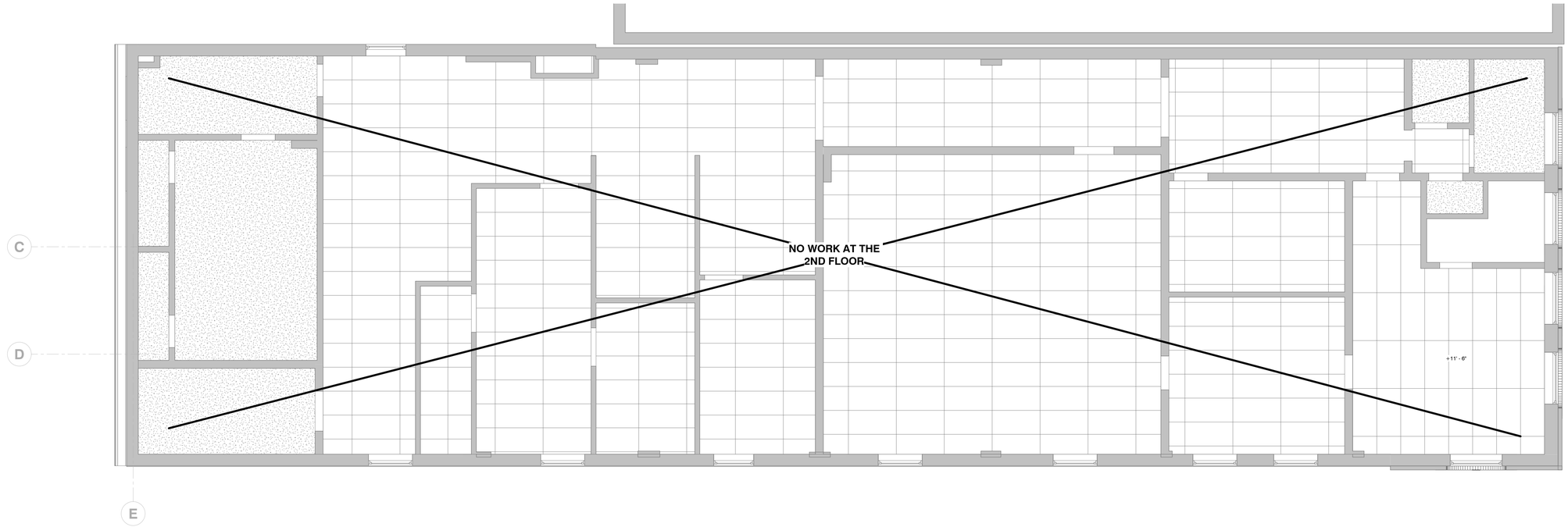
ARCHITECTURAL

FIRST FLOOR REFLECTED CEILING PLAN

DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
PROJECT NO.	
APPROVED BY:	R. SUSALLA
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
	347-133

DRAWING NO.:
AR01-2001
SHEET OF 1

NORTH



1 **2ND FLOOR REFLECTED CEILING PLAN**
1/4" = 1'-0"

REFLECTED CEILING PLAN NOTES:

1. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION.
2. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. IN ROOMS WITH A SINGLE LIGHT, CENTER IN ROOM, UNO.
4. ALL RESTROOM GWB CEILING TO BE MILDEW RESISTANT WITH 3 1/2" BATT INSULATION ABOVE.
5. REFLECTED CEILING PLANS ARE SCHEMATIC IN NATURE AND INTENDED TO SHOW GENERAL LAYOUT AND DESIGN INTENT ONLY.
6. ELECTRICAL CONTRACTOR TO BE FULLY RESPONSIBLE FOR ATTACHMENT OF LIGHTING FIXTURES TO CEILING. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE LAYOUT.
7. GENERAL TRADES CONTRACTOR TO PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF LIGHTING FIXTURES, HVAC DIFFUSERS, ETC.
8. ALL GRILLES AND DIFFUSERS ARE TO LOCATED PER MECHANICAL DRAWINGS.
9. REFER TO FLOOR PLAN SHEET AR01-1001 FOR WALL LEGEND SYMBOLS.
10. SPRINKLER HEAD LOCATIONS TO BE COORDINATED WITH THIS PLAN, PLUMBING DRAWINGS AND SPRINKLER SHOP DRAWINGS.
11. SEE ELECTRICAL DRAWINGS FOR LIGHTING TYPE AND MOUNTING.
12. SPRINKLERS ARE PART OF THIS PROJECT HOWEVER NOT SHOWN HERE. LOCATIONS TO BE PROVIDED BY SPRINKLER DESIGNER AFTER BIDDING. SPRINKLER DESIGNER TO COORDINATE SPRINKLER HEAD LOCATIONS WITH CEILING ITEMS AND OTHER TRADES.

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
+X' - X"	CEILING HEIGHT
CLG-1	CEILING TYPE - SEE FINISH SCHEDULE ON SHEETS AR01-8000 & AR01-8001
	AIR SUPPLY DIFFUSER
	AIR RETURN DIFFUSER
	EXHAUST FAN
	2 X 2 RECESSED TROFFER LIGHT
	SURFACE MOUNTED LIGHT
	SUSPENDED PENDANT LIGHT
	EXIT SIGN
	EMERGENCY LIGHTING
	2 X 2 ACOUSTICAL CEILING TILE
	2 X 2 DECORATIVE CEILING TILE BY ARMSTRONG CEILINGS, PRODUCT: "METALLAIRE". FINISH: "BEAD" 24" X 24" SUSPENDED, PRODUCT NO.: 5422504L, COLOR: COPPER
	GYPSUM BOARD CEILING
	EXISTING CEILING TO REMAIN

NOTES:
1. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION.
2. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. IN ROOMS WITH A SINGLE LIGHT, CENTER IN ROOM, UNO.
4. ALL RESTROOM GWB CEILING TO BE MILDEW RESISTANT WITH 3 1/2" BATT INSULATION ABOVE.

LICENSED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04-APR-2005	B. KEECH	S. MARITZER	BID/PERMIT SET

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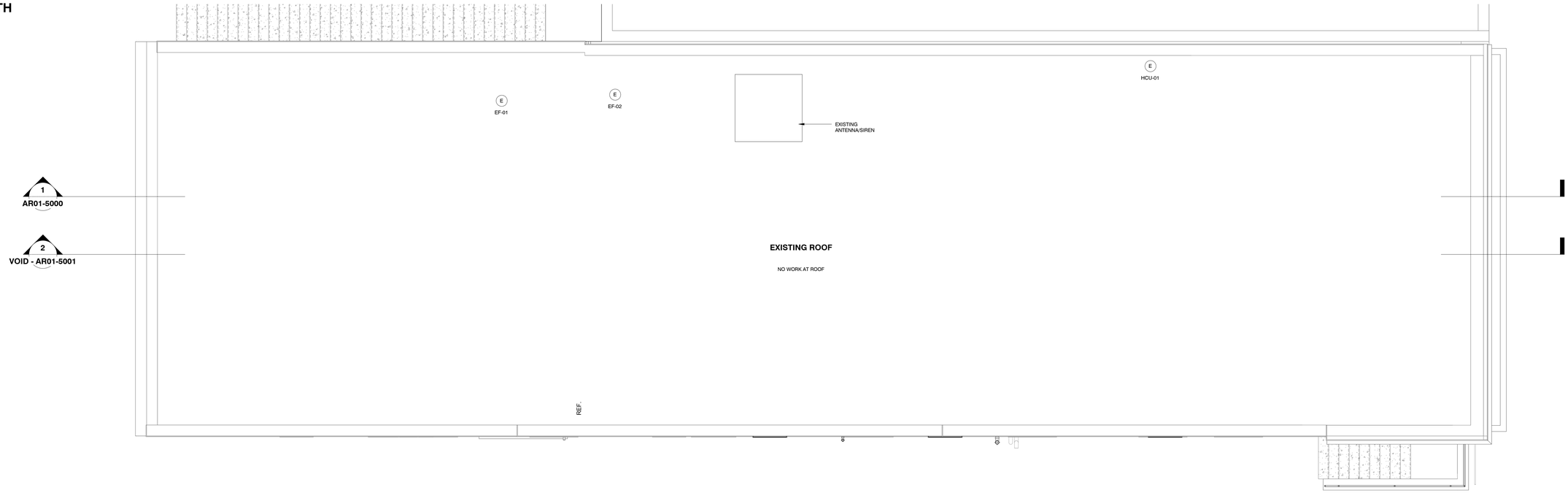
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
SECOND FLOOR REFLECTED CEILING PLAN

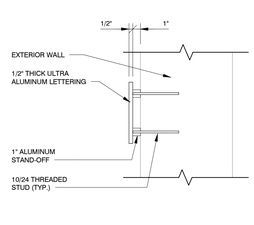
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
PROJECT NO.	347-133
APPROVED BY:	R. SUSALLA
DATE:	
DWG SCALE:	AS SHOWN

DRAWING NO.:
AR01-2002
SHEET OF **1**

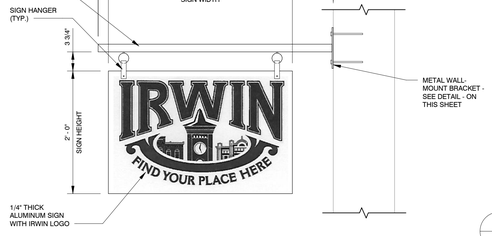
NORTH



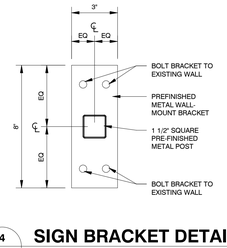
ROOF PLAN.
1/4" = 1'-0"



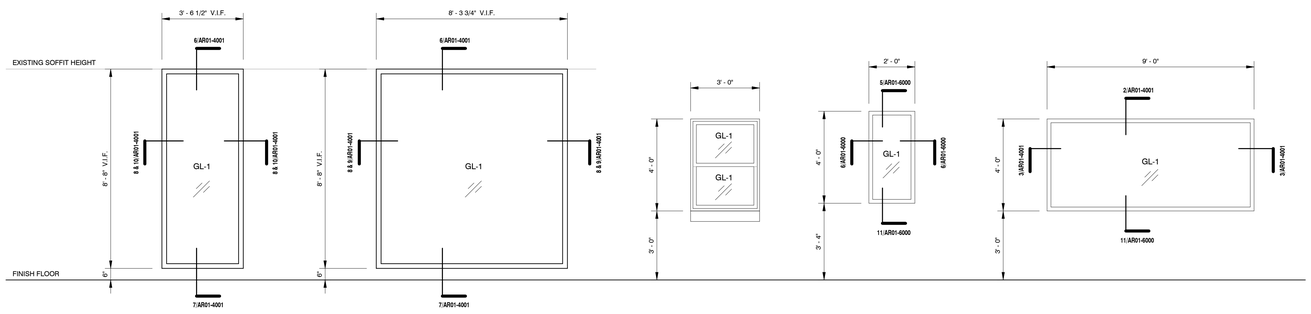
2 ALUMINUM LETTERING
1 1/2" = 1'-0"



3 SIGN DETAIL
1" = 1'-0"



4 SIGN BRACKET DETAIL
3" = 1'-0"



W1 **EXTERIOR STOREFRONT WINDOW - ALUMINUM FRAME WITH INSULATED GLAZING**

W2 **EXTERIOR STOREFRONT WINDOW - ALUMINUM FRAME WITH INSULATED GLAZING**

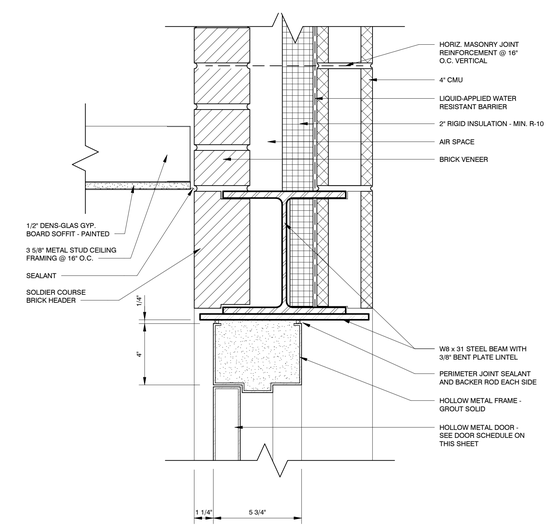
W4 **EXTERIOR DOUBLE HUNG WINDOW - ADD ALTERNATE 1**

W5 **INTERIOR FIXED WINDOW**

W6 **INTERIOR FIXED WINDOW AT TRANSACTION DRAWER**

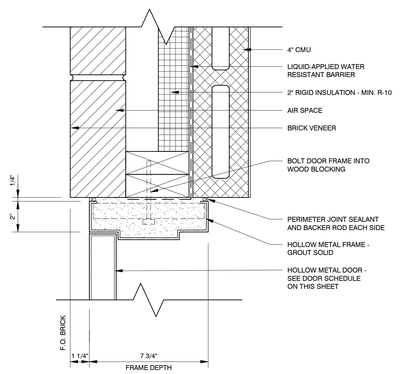
NOTES:
1. SEE GLAZING LEGEND ON THIS SHEET FOR GLAZING TYPES

WINDOW TYPES
3/8" = 1'-0"



HEAD

6 DOOR HEAD DETAIL AT BACK ENTRANCE
AR01-1001 3" = 1'-0"



JAMB

7 DOOR JAMB DETAIL AT BACK ENTRANCE
3" = 1'-0"

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04-APR-2025	B. KEECH	S. MARTZER	BID/PERMIT SET

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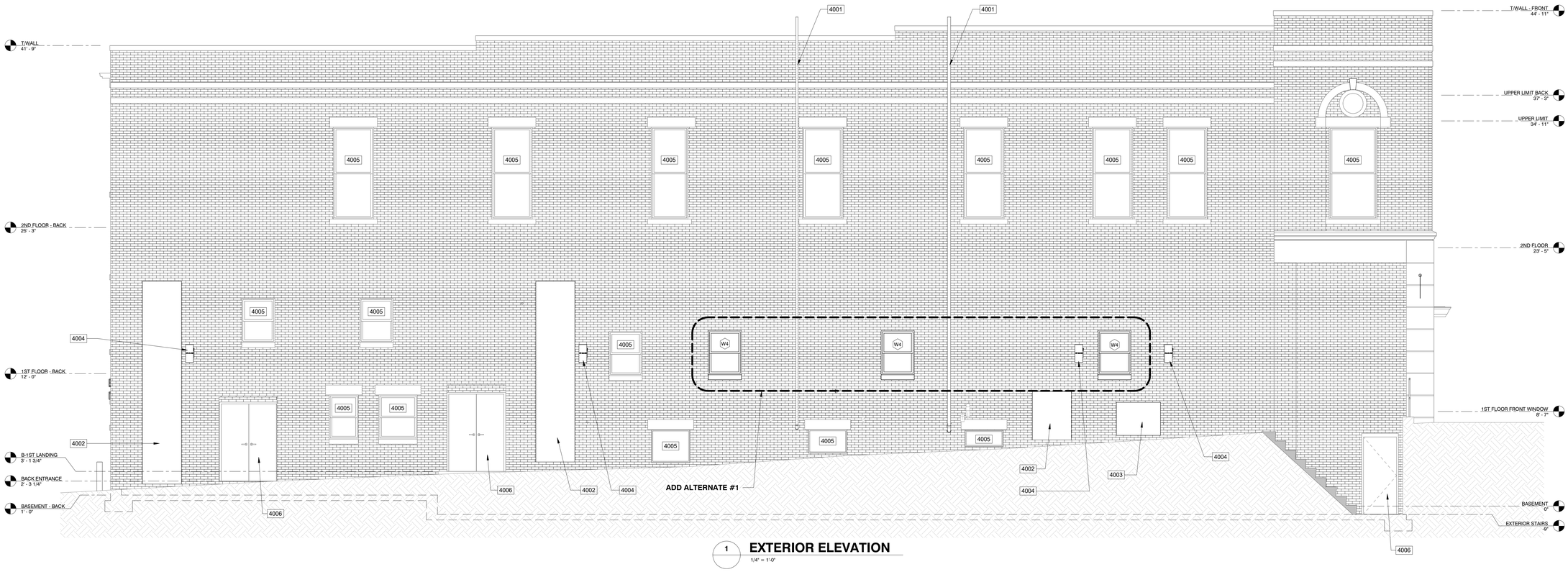
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
ROOF PLAN, WINDOW TYPES AND DETAILS

DRAWN BY:	B. KEECH
CHECKED BY:	S. MARTZER
PROJECT NO.	347-133
APPROVED BY:	R. SUSALLA
DATE:	
DWG SCALE:	AS SHOWN

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

DRAWING NO.:
AR01-3000
SHEET OF 1



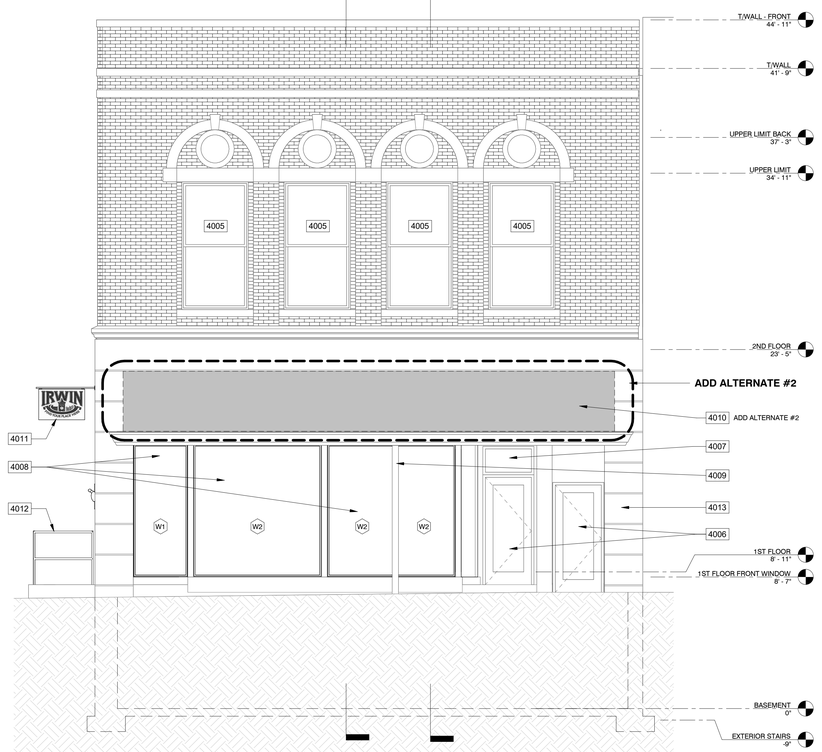
1 EXTERIOR ELEVATION

1/4" = 1'-0"



2 EXTERIOR ELEVATION

1/4" = 1'-0"



4 EXTERIOR ELEVATION

1/4" = 1'-0"

EXTERIOR ELEVATION KEYNOTES

#	DESCRIPTION
4001	PAINT ALL PLUMBING VENTS AND PLASTIC COVERS TO MATCH BRICK COLOR
4002	HVAC UNIT - SEE MECHANICAL DRAWINGS
4003	AC CONDENSER UNIT - SEE MECHANICAL DRAWINGS
4004	DISCONNECT SWITCH - SEE ELECTRICAL DRAWINGS
4005	EXISTING WINDOW TO REMAIN
4006	EXISTING DOOR TO REMAIN
4007	EXISTING TRANSOM TO REMAIN
4008	NEW STOREFRONT WINDOW - SEE WINDOW TYPES ON SHEET AR01-3000
4009	EXISTING COLUMN/SIGNAGE TO REMAIN
4010	OPTIONAL FABRIC CANOPY SYSTEM
4011	NEW SIGNAGE - SEE DETAILS ON SHEET AR01-3000
4012	EXISTING RAIL TO REMAIN
4013	PAINT EXISTING STUCCO FINISH
4014	NEW PIN-MOUNTED LETTERS - SEE DETAIL ON SHEET AR01-3000

ELEVATION LEGEND

4001	EXTERIOR ELEVATION KEYNOTE - SEE EXTERIOR ELEVATION KEYNOTES LIST ON THIS SHEET
100A	DOOR TYPE MARKER - SEE DOOR SCHEDULE ON SHEET AR01-6000
W5	WINDOW TYPE MARKER - SEE WINDOW TYPES ON SHEET AR01-3000

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. KEECH	S. MARITZER	BID/PERMIT SET

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Civil & Environmental Consultants, Inc.

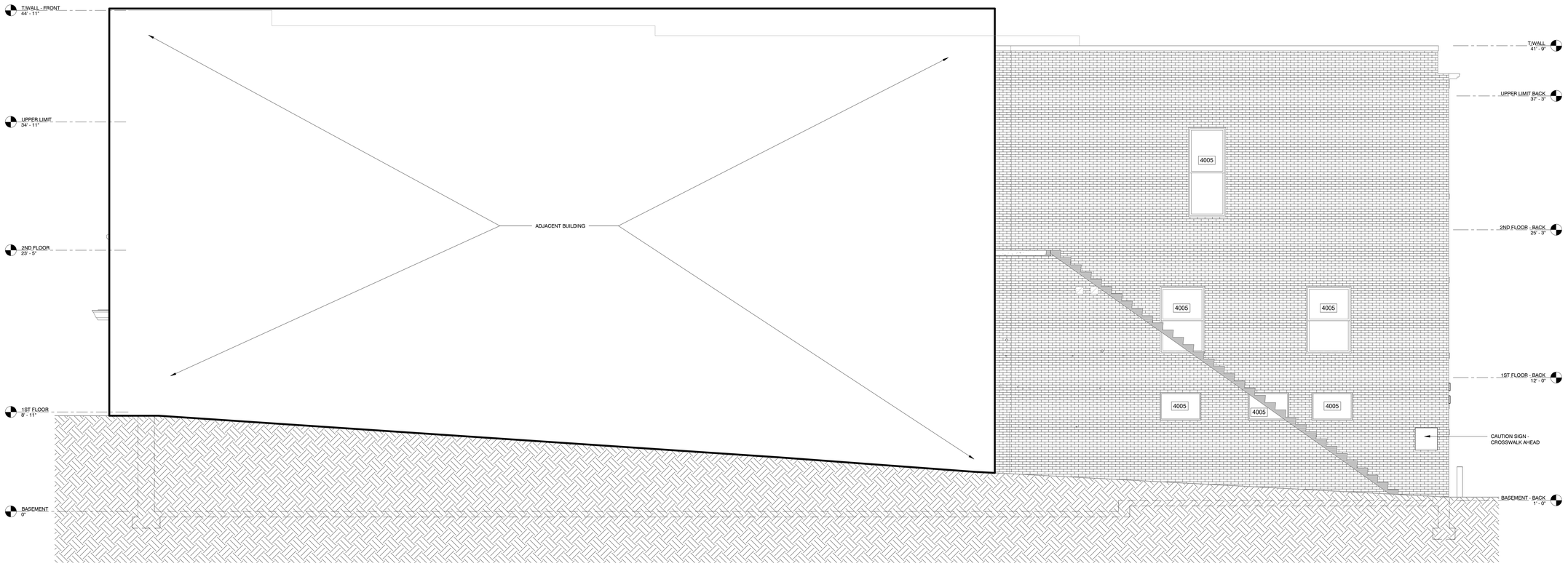
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
EXTERIOR ELEVATIONS

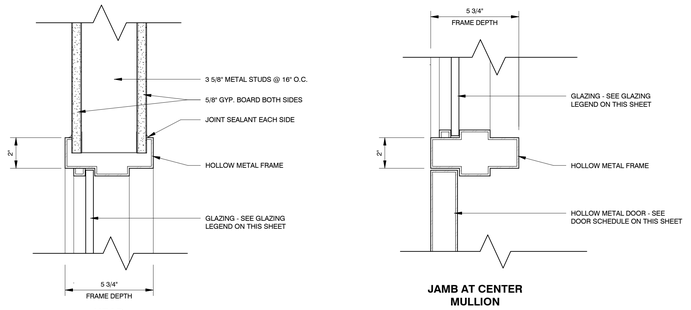
DATE:	JANUARY 2025
DWG SCALE:	AS SHOWN
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
ROBERT SUSALLA
RA-020511
NOT VALID UNLESS SIGNED AND SEALED

DRAWING NO.:
AR01-4000
SHEET OF 1



1 EXTERIOR ELEVATION
1/4" = 1'-0"

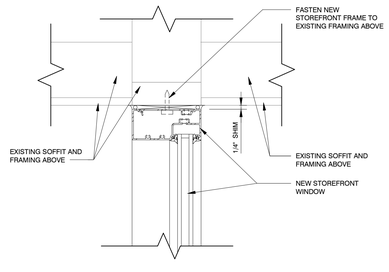


HEAD

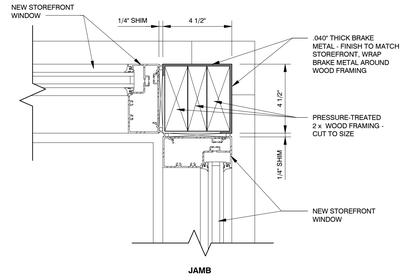
2 SIDELITE HEAD DETAIL
3" = 1'-0"

JAMB AT CENTER
MULLION

4 DOOR CENTER MULLION DETAIL
3" = 1'-0"



6 WINDOW HEAD DETAIL
3" = 1'-0"



JAMB

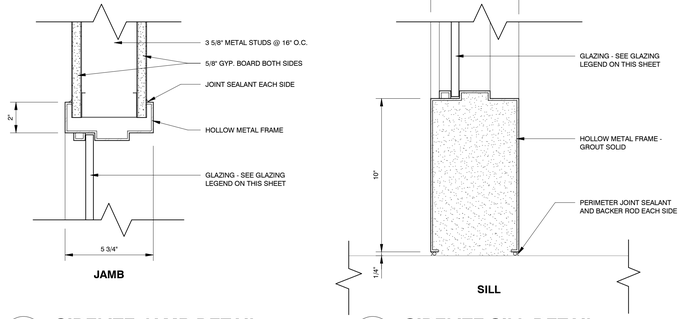
8 WINDOW JAMB DETAIL
3" = 1'-0"

EXTERIOR ELEVATION KEYNOTES

#	DESCRIPTION
4001	PAINT ALL PLUMBING VENTS AND PLASTIC COVERS TO MATCH BRICK COLOR
4002	HVAC UNIT - SEE MECHANICAL DRAWINGS
4003	AC CONDENSER UNIT - SEE MECHANICAL DRAWINGS
4004	DISCONNECT SWITCH - SEE ELECTRICAL DRAWINGS
4005	EXISTING WINDOW TO REMAIN
4006	EXISTING DOOR TO REMAIN
4007	EXISTING TRANSOM TO REMAIN
4008	NEW STOREFRONT WINDOW - SEE WINDOW TYPES ON SHEET AR01-3000
4009	EXISTING COLUMN/SIGNAGE TO REMAIN
4010	OPTIONAL FABRIC CANOPY SYSTEM
4011	NEW SIGNAGE - SEE DETAILS ON SHEET AR01-3000
4012	EXISTING RAIL TO REMAIN
4013	PAINT EXISTING STUCCO FINISH
4014	NEW PIN-MOUNTED LETTERS - SEE DETAIL ON SHEET AR01-3000

ELEVATION LEGEND

4001	EXTERIOR ELEVATION KEYNOTE - SEE EXTERIOR ELEVATION KEYNOTES LIST ON THIS SHEET
100A	DOOR TYPE MARKER - SEE DOOR SCHEDULE ON SHEET AR01-6000
WS	WINDOW TYPE MARKER - SEE WINDOW TYPES ON SHEET AR01-3000

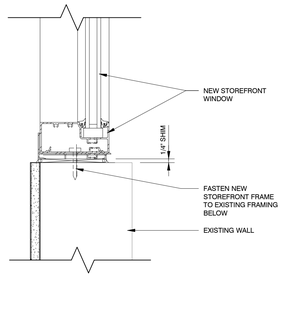


JAMB

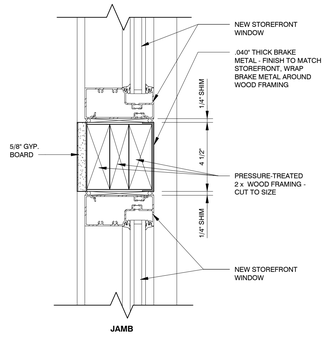
3 SIDELITE JAMB DETAIL
3" = 1'-0"

SILL

5 SIDELITE SILL DETAIL
3" = 1'-0"

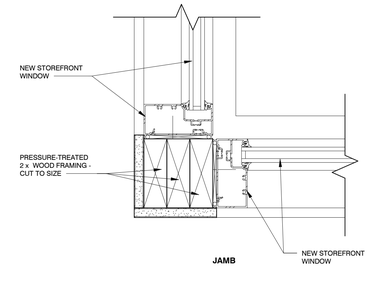


7 WINDOW SILL DETAIL
3" = 1'-0"



JAMB

9 WINDOW JAMB DETAIL
3" = 1'-0"



JAMB

10 WINDOW JAMB DETAIL
3" = 1'-0"

REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
RICHARD A. SUSALLA

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04-APR-2025	B. KEECH	S. MARITZER	BID/PERMIT SET

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BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
EXTERIOR ELEVATION, DOOR AND WINDOW DETAILS

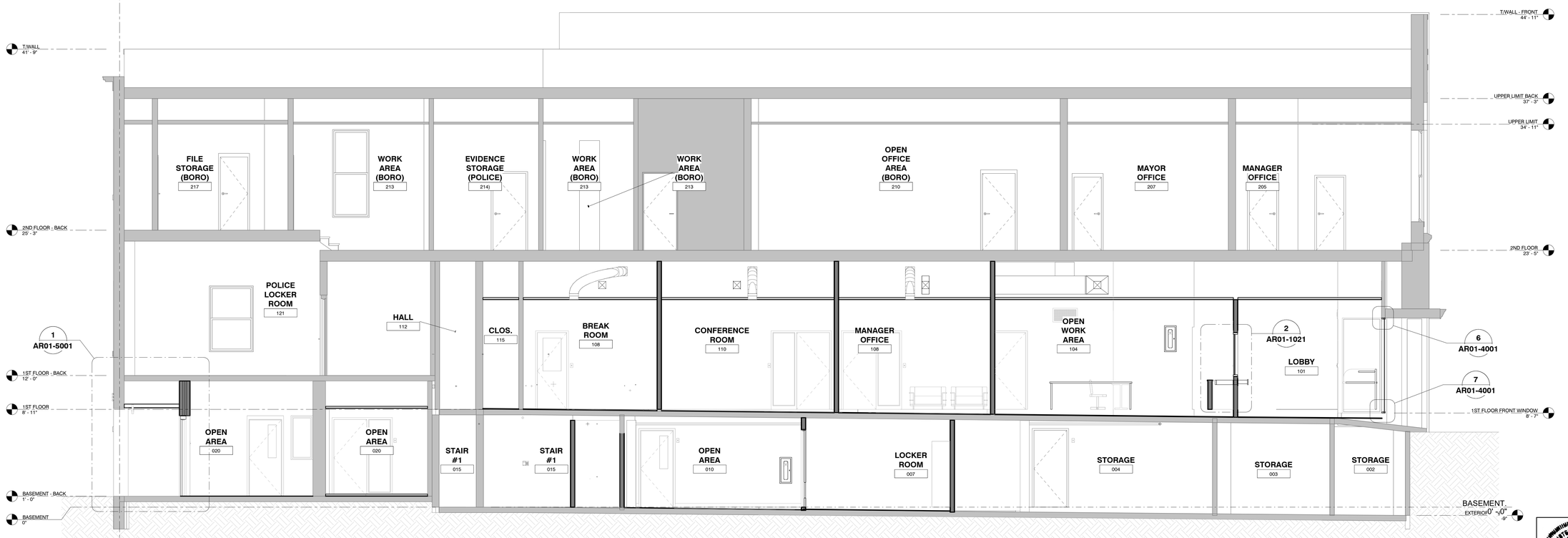
DATE:	JANUARY 2025
DRAWN BY:	B. KEECH
DWG SCALE:	AS SHOWN
CHECKED BY:	S. MARITZER
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

DRAWING NO.:
AR01-4001
SHEET OF 1



E

1 AR01-1001 **E-W BUILDING SECTION A**
1/4" = 1'-0"



2 AR01-1001 **E-W BUILDING SECTION B**
1/4" = 1'-0"

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2005	B. KEECH	S. MARITZER	BID/PERMIT SET

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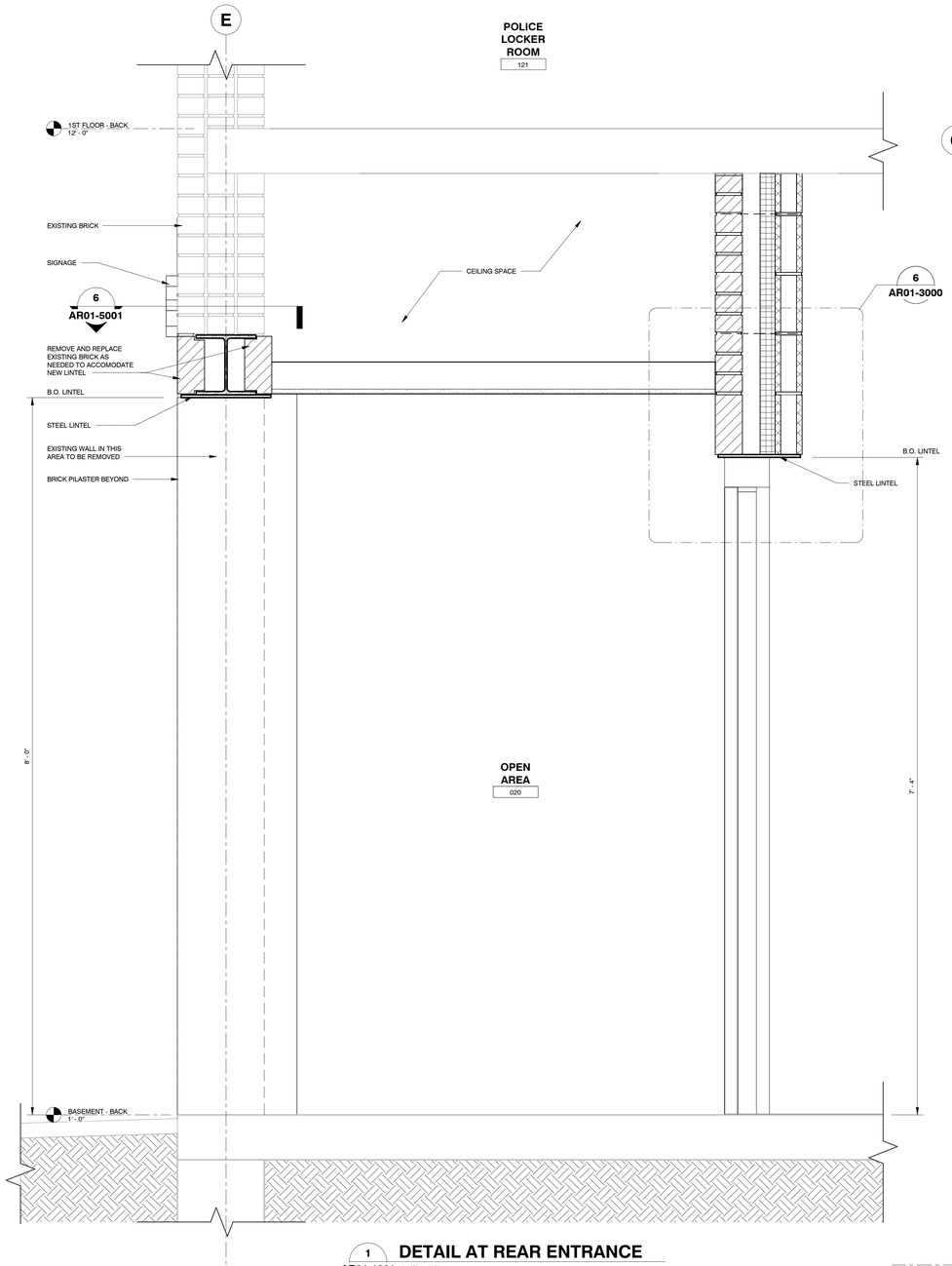
Civil & Environmental Consultants, Inc.

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
BUILDING SECTIONS

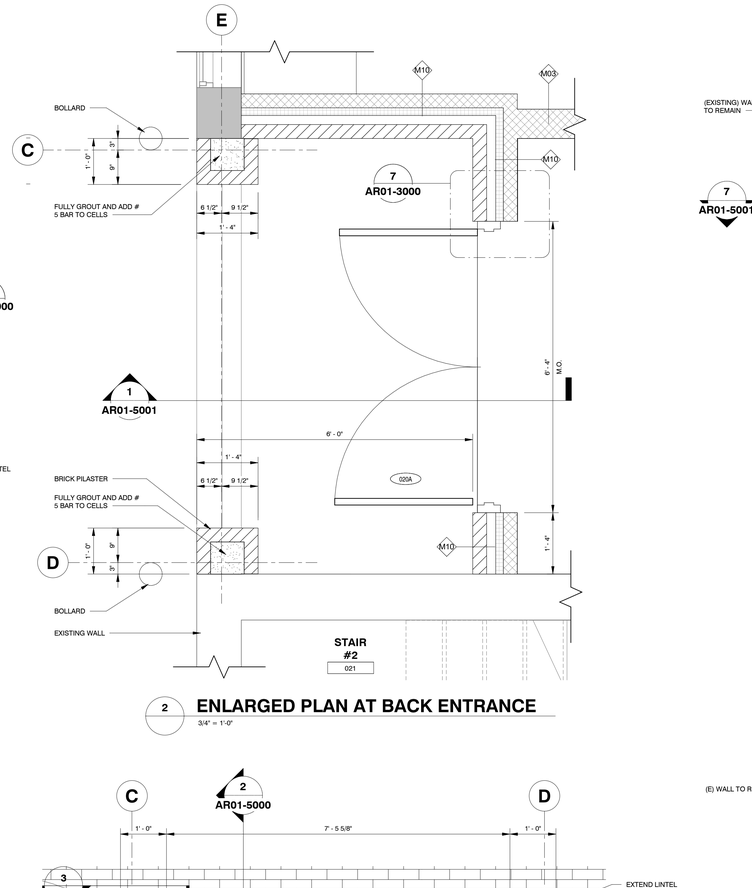
DATE:	JANUARY 2005
DWG SCALE:	AS SHOWN
PROJECT NO.	347-133
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
APPROVED BY:	R. SUSALLA

DRAWING NO.:
AR01-5000
SHEET OF 1



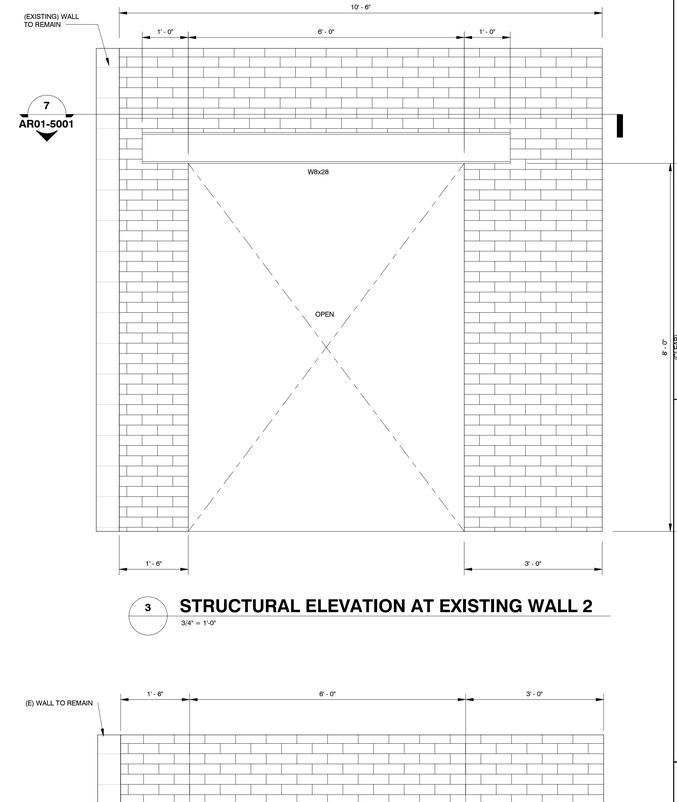
1 DETAIL AT REAR ENTRANCE

AR01-1001 1 1/2" = 1'-0"



2 ENLARGED PLAN AT BACK ENTRANCE

3/4" = 1'-0"



3 STRUCTURAL ELEVATION AT EXISTING WALL 2

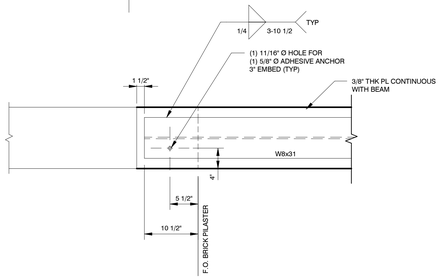
3/4" = 1'-0"

4 STRUCTURAL ELEVATION AT BACK ENTRANCE

3/4" = 1'-0"

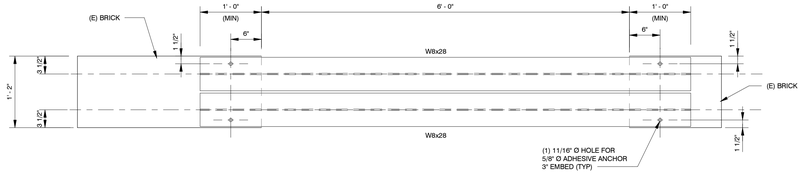
5 STRUCTURAL ELEVATION AT EXISTING WALL

3/4" = 1'-0"



6 STRUCTURAL PLAN DETAIL AT BACK ENTRANCE

1" = 1'-0"



7 STRUCTURAL PLAN DETAIL AT EXISTING WALL

1" = 1'-0"

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. KEECH	S. MARITZER	BID/PERMIT SET

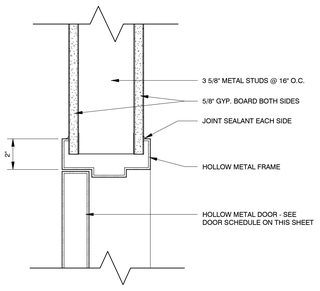
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412-429-2324 • 800-365-2324
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Civil & Environmental Consultants, Inc.

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
STRUCTURAL DETAILS

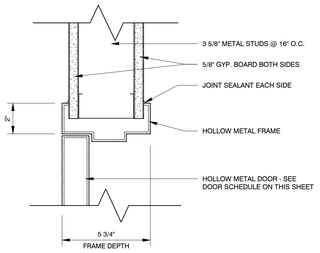
DATE:	JANUARY 2025
DRAWN BY:	B. KEECH
DWG SCALE:	AS SHOWN
CHECKED BY:	S. MARITZER
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

DRAWING NO.:
AR01-5001
SHEET OF 1



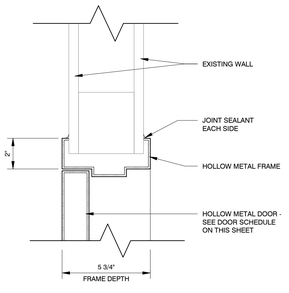
HEAD

1 DOOR HEAD DETAIL
3" = 1'-0"



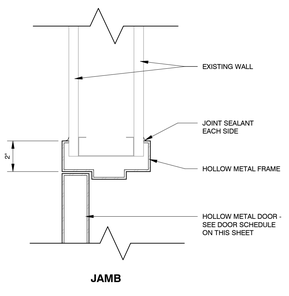
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2 DOOR JAMB DETAIL
3" = 1'-0"



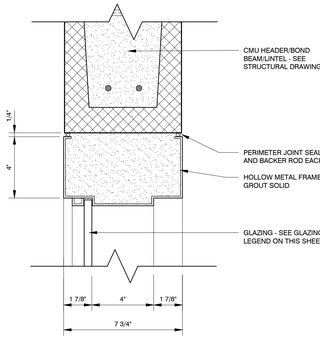
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3 DOOR HEAD DETAIL
3" = 1'-0"



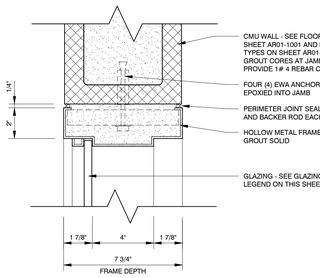
JAMB

4 DOOR JAMB DETAIL
3" = 1'-0"



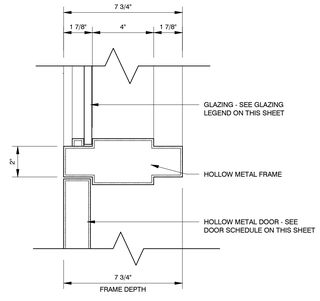
HEAD

5 SIDELITE HEAD DETAIL
3" = 1'-0"



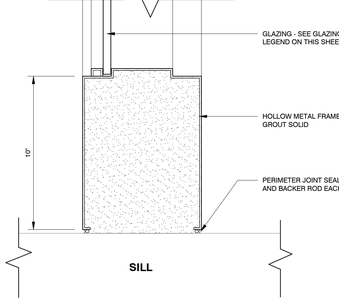
JAMB

6 SIDELITE JAMB DETAIL
3" = 1'-0"



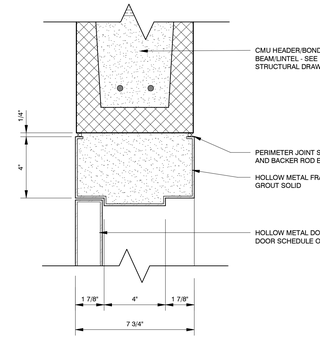
JAMB AT CENTER MULLION

7 DOOR CENTER MULLION DETAIL
3" = 1'-0"



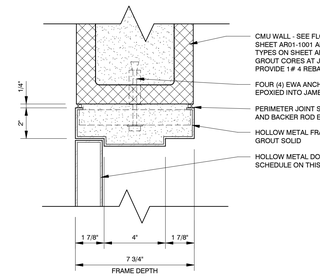
SILL

8 SIDELITE SILL DETAIL
3" = 1'-0"



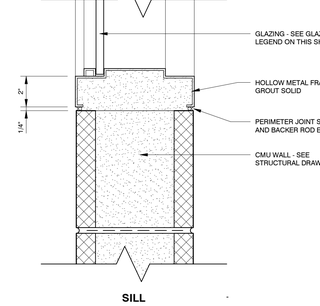
HEAD

9 DOOR HEAD DETAIL
3" = 1'-0"



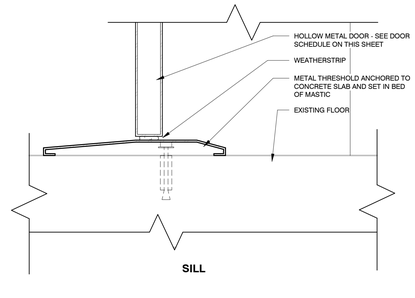
JAMB

10 DOOR JAMB DETAIL
3" = 1'-0"



SILL

11 WINDOW SILL DETAIL
3" = 1'-0"



SILL

12 DOOR SILL DETAIL
3" = 1'-0"

DOOR SCHEDULE

DOOR NUMBER	ROOM	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING TYPE	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	HARDWARE SET	COMMENTS
001A	VESTIBULE	3' - 0"	7' - 0"	1 3/4"	A	EXIST.	EXIST.	-	EXIST.	EXIST.	EXIST.	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
001B	VESTIBULE	3' - 0"	7' - 0"	1 3/4"	EXIST.	EXIST.	EXIST.	-	EXIST.	EXIST.	EXIST.	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
002A	STORAGE	3' - 0"	7' - 0"	1 3/4"	A	H.M.	PAINT	-	F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-		
003A	STORAGE	2' - 8"	7' - 0"	1 3/4"	EXIST.	EXIST.	EXIST.	-	EXIST.	EXIST.	EXIST.	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
003B	STORAGE	2' - 8"	7' - 0"	1 3/4"	EXIST.	EXIST.	EXIST.	-	EXIST.	EXIST.	EXIST.	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
004A	STORAGE	3' - 0"	7' - 0"	1 3/4"	EXIST.	EXIST.	EXIST.	-	EXIST.	EXIST.	EXIST.	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
005A	CLOSET	3' - 0"	7' - 0"	1 3/4"	EXIST.	EXIST.	EXIST.	-	EXIST.	EXIST.	EXIST.	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
005B	CLOSET	1' - 8"	7' - 0"	1 3/4"	EXIST.	EXIST.	EXIST.	-	EXIST.	EXIST.	EXIST.	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
006A	OFFICE	3' - 0"	7' - 0"	1 3/4"	B	H.M.	PAINT	GL-1	F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-	5.0	
007A	LOCKER ROOM	3' - 0"	7' - 0"	1 3/4"	D	H.M.	PAINT	-	F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-	3.0	
008A	STAFF RESTROOM/SHOWER	3' - 0"	7' - 0"	1 3/4"	D	H.M.	PAINT	-	F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-	3.0	
009A	INTERROGATION ROOM	3' - 0"	7' - 0"	1 3/4"	B	H.M.	PAINT	GL-2	F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-	DHW-2	
011A	ADA RESTROOM	3' - 0"	7' - 0"	1 3/4"	D	H.M.	PAINT	-	F2	H.M.	PAINT	9/AR01-6000	10/AR01-6000	-	3.0	
012A	HOLDING ROOM	3' - 0"	7' - 0"	1 3/4"	G	H.M.	PAINT	-	F2	H.M.	PAINT	9/AR01-6000	10/AR01-6000	-	DHW-1	
013A	MECHANICAL ROOM	3' - 0"	7' - 0"	1 3/4"	A	H.M.	PAINT	-	F2	H.M.	PAINT	9/AR01-6000	10/AR01-6000	-	4.0	
015A	STAIR NO. 1	3' - 0"	7' - 0"	1 3/4"	A	H.M.	PAINT	-	F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-	2.0	
016A	ELEC/TELE	2' - 4"	7' - 0"	1 3/4"	A	H.M.	PAINT	-	EXIST.	H.M.	PAINT	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
017A	WORK ROOM	3' - 0"	7' - 0"	1 3/4"	B	H.M.	PAINT	-	F2	H.M.	PAINT	9/AR01-6000	10/AR01-6000	-	7.0	
018A	CHIEF OFFICE	3' - 0"	7' - 0"	1 3/4"	A	H.M.	PAINT	-	F5	H.M.	PAINT	9 & 5/AR01-6000	10, 6 & 7/AR01-6000	8/AR01-6000	5.0	
020A	VESTIBULE	6' - 0"	7' - 0"	1 3/4"	F	H.M.	PAINT	GL-1	F2	H.M.	PAINT	6/AR01-3000	7/AR01-3000	12/AR01-6000	6.0	
021A	STAIR #2	5' - 0"	7' - 0"	1 3/4"	EXIST.	EXIST.	PAINT	-	EXIST.	EXIST.	PAINT	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
021B	STAIR #2	5' - 0"	7' - 0"	1 3/4"	EXIST.	EXIST.	PAINT	-	EXIST.	EXIST.	PAINT	-	-	-	-	EXISTING DOOR AND FRAME TO REMAIN
101A	LOBBY	3' - 0"	7' - 0"	1 3/4"	EXIST.	EXIST. STOREFRONT GLASS	EXIST.	EXIST. STOREFRONT GLASS	EXIST.	EXIST.	EXIST.	-	-	-	-	EXISTING STOREFRONT DOOR AND FRAME TO REMAIN
101B	LOBBY	3' - 0"	7' - 0"	1 3/4"	A	WOOD	PAINT		F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-	2.0	
102A	STAIR #3	3' - 0"	7' - 0"	1 3/4"	EXIST.	EXIST. STOREFRONT GLASS	EXIST.	EXIST. STOREFRONT GLASS	EXIST.	EXIST.	EXIST.	-	-	-	-	EXISTING STOREFRONT DOOR AND FRAME TO REMAIN
103A	MECH. ROOM	3' - 0"	7' - 0"	1 3/4"	A	WOOD	PAINT		F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-	4.0	
105A	STORAGE	3' - 0"	7' - 0"	1 3/4"	A	WOOD	PAINT	-	F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-	4.0	
106A	MAYOR'S OFFICE	3' - 0"	7' - 0"	1 3/4"	B	WOOD	PAINT	-	F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000		5.0	
108A	MANAGER OFFICE	3' - 0"	7' - 0"	1 3/4"	A	WOOD	PAINT	-	F5	H.M.	PAINT	1/AR01-6000 & 2/AR01-4001	2/AR01-6000, 3 & 4/AR01-4001	5/AR01-4001	5.0	DOOR WITH SIDELITE
110A	CONFERENCE ROOM	3' - 0"	7' - 0"	1 3/4"	A	WOOD	PAINT	-	F5	H.M.	PAINT	1/AR01-6000 & 2/AR01-4001	2/AR01-6000, 3 & 4/AR01-4001	5/AR01-4001	5.0	DOOR WITH SIDELITE
111A	MEN'S ROOM	3' - 0"	7' - 0"	1 3/4"	D	WOOD	PAINT	-	F1	H.M.	PAINT	3/AR01-6000	4/AR01-6000	-	3.0	NEW DOOR AND FRAME TO REPLACE EXISTING
112A	WOMEN'S ROOM	3' - 0"	7' - 0"	1 3/4"	D	WOOD	PAINT	-	F1	H.M.	PAINT	3/AR01-6000	4/AR01-6000	-	3.0	NEW DOOR AND FRAME TO REPLACE EXISTING
113A	HALL	3' - 0"	7' - 0"	1 3/4"	A	WOOD	PAINT	GL-1	F1	H.M.	PAINT	3/AR01-6000	4/AR01-6000	-	5.0	WITH KEYPAD. NEW DOOR AND FRAME TO REPLACE EXISTING
114A	BREAK ROOM	2' - 8"	7' - 0"	1 3/4"	C	WOOD	PAINT	GL-1	F1	H.M.	PAINT	3/AR01-6000	4/AR01-6000	-	5.0	NEW DOOR AND FRAME TO REPLACE EXISTING
114B	BREAK ROOM	3' - 0"	7' - 0"	1 3/4"	A	WOOD	PAINT	-	F1	H.M.	PAINT	1/AR01-6000	2/AR01-6000	-	5.0	WITH KEYPAD
115A	CLOSET	2' - 3"	7' - 0"	1 3/4"	A	WOOD	PAINT	-	F1	H.M.	PAINT	3/AR01-6000	4/AR01-6000	-	4.0	NEW DOOR AND FRAME TO REPLACE EXISTING
116A	STAIR #1	5' - 0"	7' - 0"	1 3/4"	F	H.M.	PAINT	-	F1	H.M.	PAINT	3/AR01-6000	4/AR01-6000	-	7.0	NEW DOUBLE DOOR TO REPLACE EXISTING, EXISTING FRAME TO REMAIN

DOOR SCHEDULE GENERAL NOTES:

1. SEE SPEC SECTIONS 08 71 00 - 'DOOR HARDWARE', AND 08 71 63 - 'DETENTION DOOR HARDWARE' FOR DOOR HARDWARE SETS
2. SEE GLAZING LEGEND ON THIS SHEET FOR GLAZING TYPES
3. REFERENCE THIS SHEET FOR DOOR AND FRAME ELEVATIONS, AND DOOR DETAILS.
4. THRESHOLD AT DOORWAYS SHALL NOT EXCEED 1/2" IH HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
5. VERIFY ALL HARDWARE WITH AE AND OWNER PRIOR TO ORDERING, PROVIDE HARDWARE SUBMITTAL.
6. NEW DOOR GLAZING TO BE SAFETY GLAZING/TEMPERED GLAZING AND LABELED AS SUCH. NEW GLAZING IN DETENTION GRADE DOORS TO BE DETENTION GRADE GLAZING.
7. ALL HOLLOW METAL DOORS FRAMES TO BE OF GALVANEALED STEEL, FACTORY PRIMED WITH A UNIVERSAL PRIMER, FIELD PAINTED (2) TOPCOATS.
8. PROVIDE ALL NEW CORES TO THE LOCKSMITH. THE LOCKSMITH WILL PROVIDE KEYING OF ALL NEW LOCKS.
9. PROVIDE (3) KEY BLANKS FOR ALL NEW LOCKS TO THE LOCKSMITH. LOCKSMITH WILL KEY EACH NEW LOCK
10. DOOR NUMBERS ARE PROXY NUMBERS, VERIFY DOOR NUMBERS WITH RCI AND A/E FOR DOOR CONTROL SYSTEM INTEGRATION.

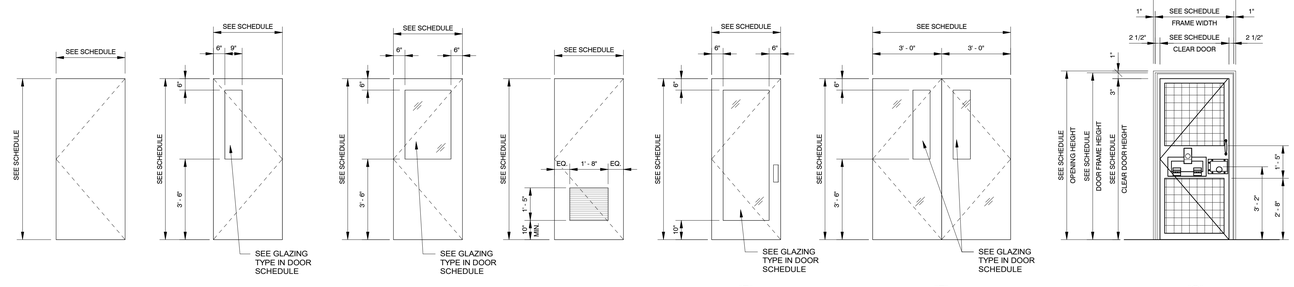
ABBREVIATIONS:

H.M. HOLLOW METAL
H.M.I. HOLLOW METAL INSULATED
D.H.M. DETENTION GRADE HOLLOW METAL
D.H.M.I. DETENTION GRADE HOLLOW METAL INSULATED

GLAZING LEGEND GL-#

DESIGN-ATION	DESCRIPTION
GL-1	DETENTION RATED GLAZING
GL-2	L3 BULLET RESISTANT GLAZING

NOTE:
SEE SPECIFICATION SECTION 08 88 53 SECURITY GLASS AND GLAZING FOR ADDITIONAL GLAZING INFORMATION



NOTES:
1. PAINT ALL HOLLOW METAL DOORS PT-2.
2. SEE GLAZING LEGEND ON THIS SHEET FOR GLAZING TYPES
3. SEE SPECIFICATION SECTION 08 11 13 - HOLLOW METAL DOORS AND FRAMES

DOOR TYPES
3/8" = 1'-0"

NOTES:
1. PAINT ALL HOLLOW METAL DOOR FRAMES PT-3. SEE FINISH SCHEDULE
2. SEE SPECIFICATION SECTION 08 12 13 - HOLLOW METAL FRAMES

FRAME TYPES
3/8" = 1'-0"

REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA

CEC
Civil & Environmental Consultants, Inc.
700 Cherrington Parkway
Moon Township, Pa 15108
412-429-2324 • 800-365-2324
www.cecinc.com

REVISION RECORD

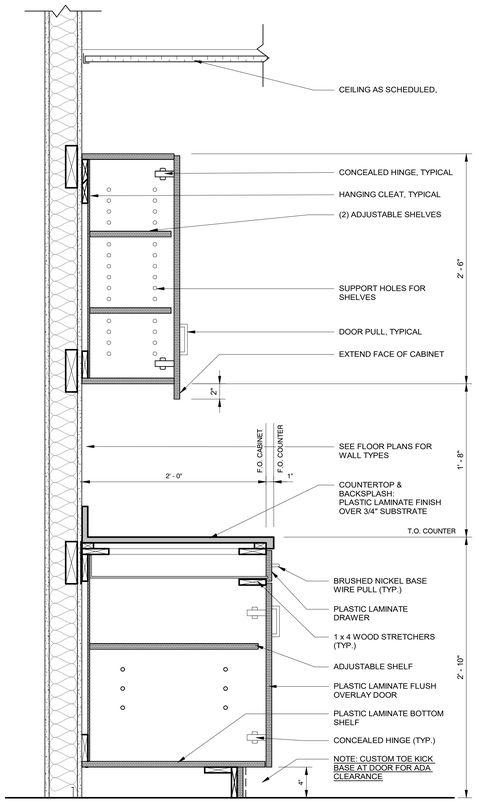
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0	04 APR 2025	BID/PERMIT SET	S. MARITZER	B. KEECH

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

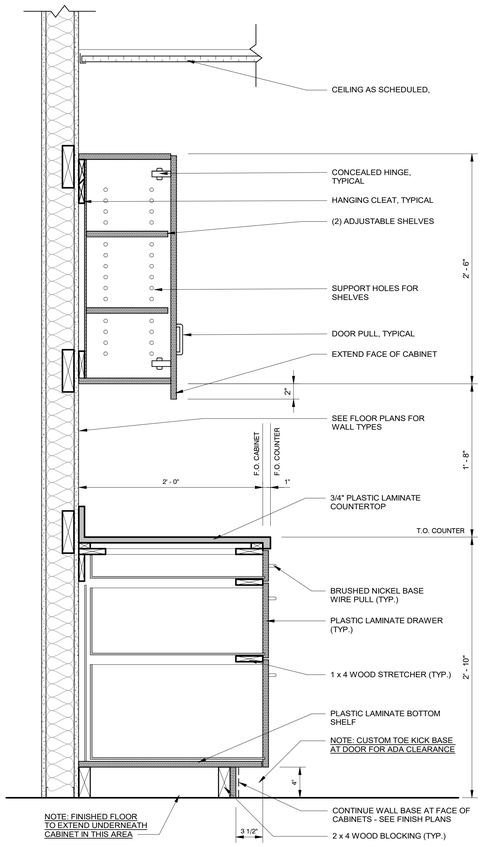
ARCHITECTURAL
BUILDING SCHEDULES AND DETAILS

DATE:	JANUARY 2025
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
DWG SCALE:	AS SHOWN
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

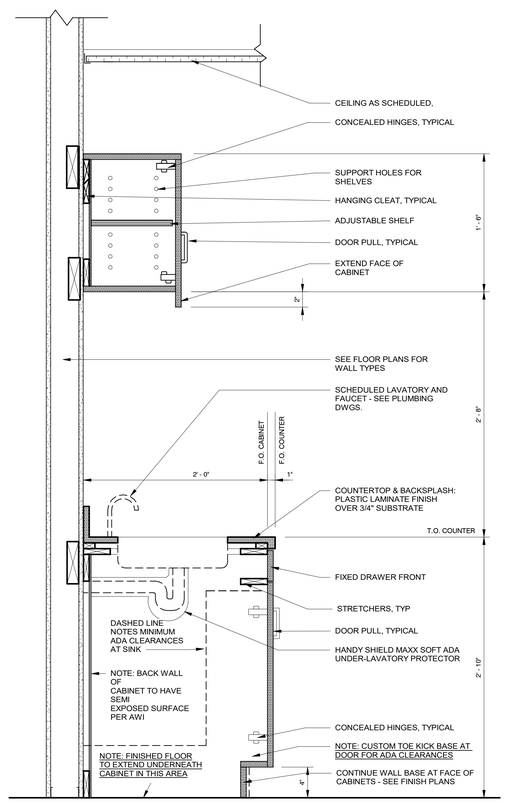
DRAWING NO.:
AR01-6000
SHEET OF 1



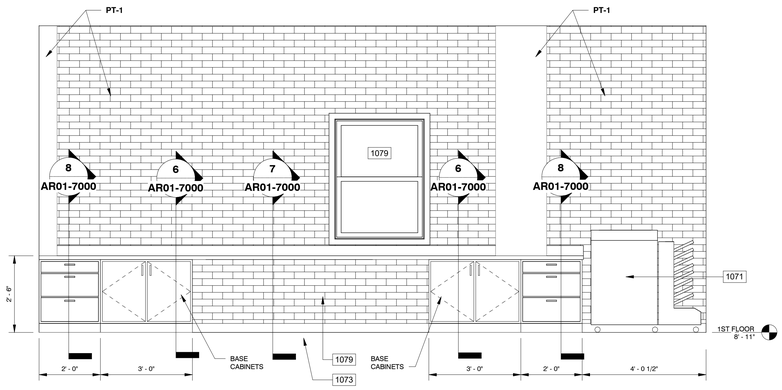
1 TYPICAL WALL AND BASE CABINET
1 1/2" = 1'-0"



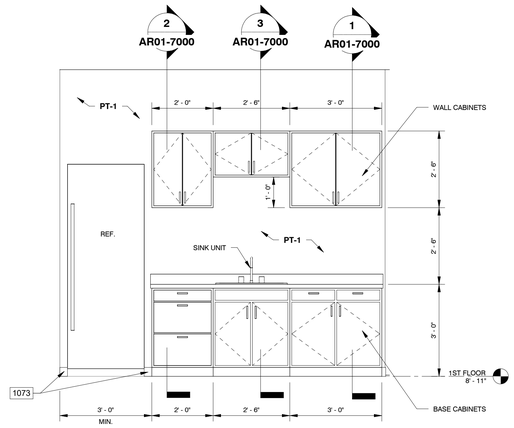
2 TYPICAL WALL AND BASE CABINET AT DRAWERS
1 1/2" = 1'-0"



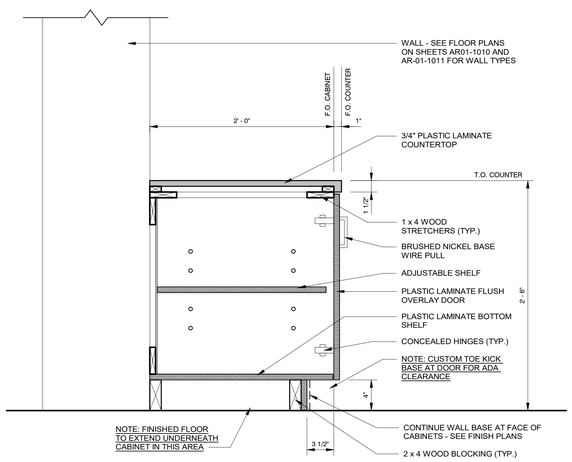
3 ACCESSIBLE BASE CABINET WITH SINK
1 1/2" = 1'-0"



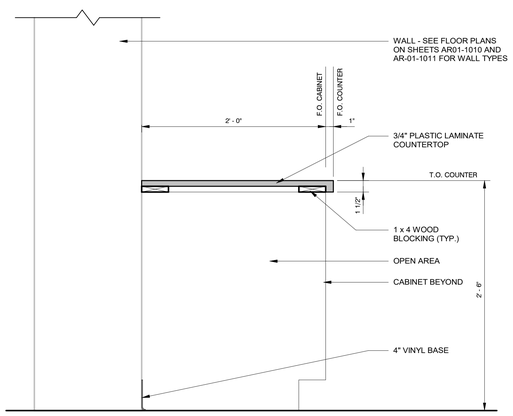
4 INTERIOR ELEVATION
1/2" = 1'-0"



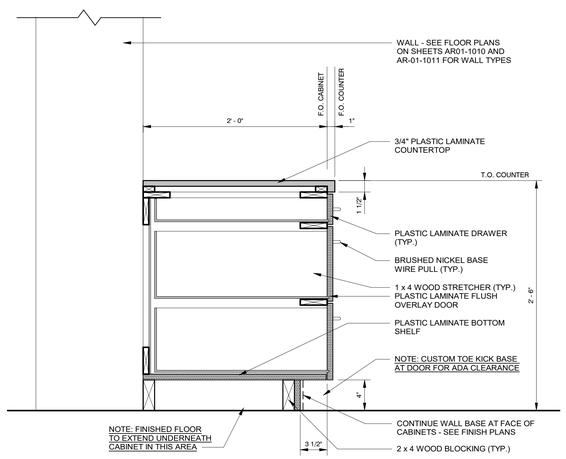
5 INTERIOR ELEVATION
1/2" = 1'-0"



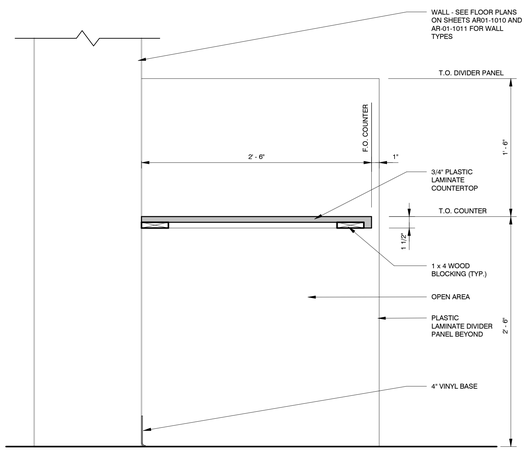
6 BASE CABINET
1 1/2" = 1'-0"



7 BASE CABINET - OPEN
1 1/2" = 1'-0"



8 BASE CABINET- 3 DRAWERS
1 1/2" = 1'-0"



9 WORKSPACE COUNTER DETAIL
1 1/2" = 1'-0"

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. KEECH	S. MARITZER	BID/PERMIT SET

700 Cherrington Parkway
Moon Township, Pa 15108
412-429-2324 • 800-365-2324
www.cecinc.com
Civil & Environmental Consultants, Inc.

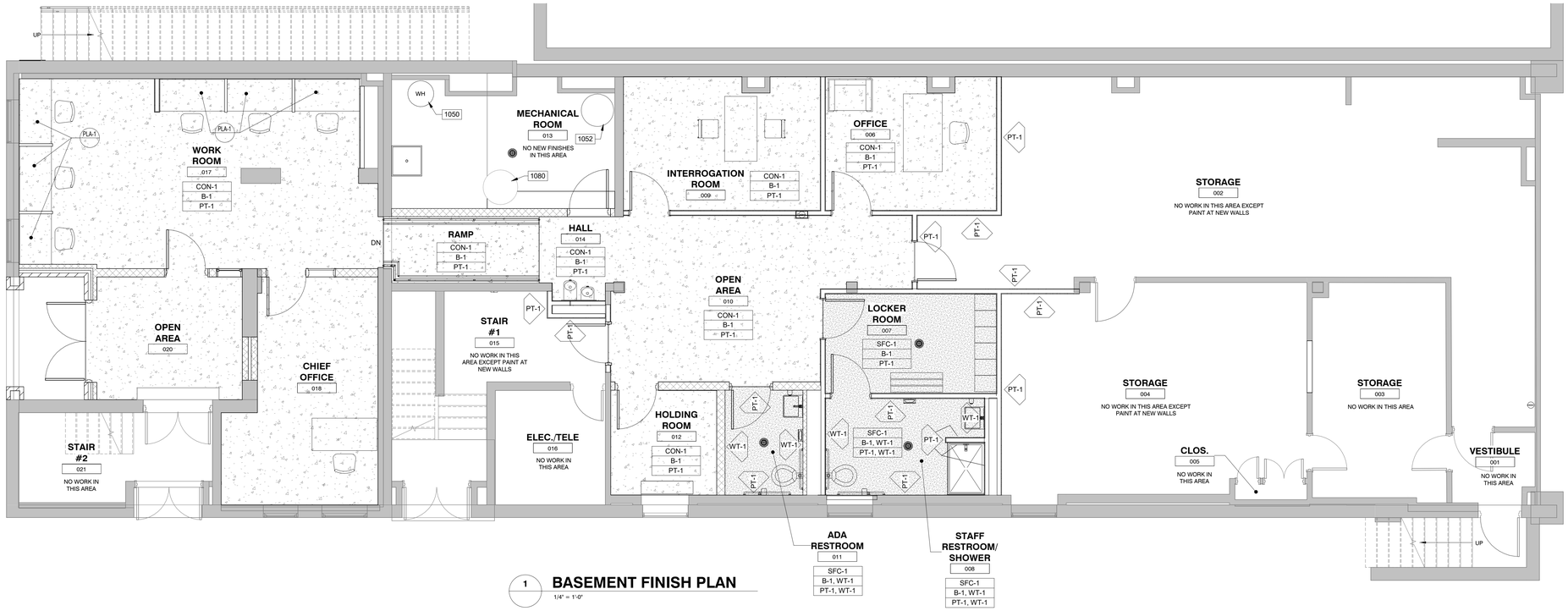
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

ARCHITECTURAL
CASEWORK DETAILS

DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
PROJECT NO.	347-193
APPROVED BY:	R. SUSALLA
DATE:	
DWG SCALE:	NTS

DRAWING NO.:
AR01-7000
SHEET OF 1

NORTH



1 BASEMENT FINISH PLAN

1/4" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS		CEILING		COMMENTS
				MATERIAL	FINISH	MATERIAL	FINISH	
001	VESTIBULE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
002	STORAGE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
003	STORAGE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
004	STORAGE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
005	CLOS.	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
006	OFFICE	CON-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
007	LOCKER ROOM	SFC-1	B-1	GYP. BD.	PT-1	EXIST.	PT-3	
008	STAFF RESTROOM/ SHOWER	SFC-1	B-1 (N, S & WING WALL), WT-1 (E & W)	GYP. BD. & EXIST. (SEE PLAN)	PT-1 & WT-1 (SEE PLAN)	EXIST.	PT-3	
009	INTERROGATION ROOM	CON-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
010	OPEN AREA	CON-1	B-1	GYP. BD, CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	PAINT ALL WALLS AND COLUMNS
011	ADA RESTROOM	SFC-1	B-1 (N & S), WT-1 (E & W)	CMU & EXIST. (SEE PLAN)	PT-1 & WT-1 (SEE PLAN)	EXIST.	PT-3	
012	HOLDING ROOM	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
013	MECHANICAL ROOM	-	-	CMU & EXIST. (SEE PLAN)	-	EXIST.	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
014	HALL	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
015	STAIR #1	-	-	EXIST., GYP. BD. (NE CORNER)	PT-1 AT NEW WALLS ONLY (SEE PLAN)	-	-	
016	ELEC./TELE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
017	WORK ROOM	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
018	CHIEF OFFICE	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
019	CLOS.	CON-1	B-1	EXIST.	PT-1	CLG-1	SEE FIN. SCHED.	
020	VESTIBULE	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
021	STAIR #2	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
101	LOBBY	FT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1 & PT-2 (SEE PLAN)	CLG-2	SEE FIN. SCHED.	
102	STAIR #3	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
103	MECH. ROOM	-	-	GYP. BD. & EXIST. (SEE PLAN)	PT-1 AT NEW WALLS ONLY	-	-	NO WORK IN THIS AREA EXCEPT PAINT AT NEW WALLS
104	OPEN WORK AREA	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
105	STORAGE	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
106	MAYOR'S OFFICE	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
107	CORRIDOR	LVT-1	B-1	GYP. BD.	PT-1	CLG-1	SEE FIN. SCHED.	
108	MANAGER OFFICE	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
109	WORKSTATION							
110	CONFERENCE ROOM	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
111	MENS	LVT-1	B-1 (E & W), WT-1 (N & S)	GYP. BD. & EXIST. (SEE PLAN)	PT-1 & WT-1 (SEE PLAN)	GYP-1	PT-3	
112	WOMENS	LVT-1	B-1 (E & W), WT-1 (N & S)	GYP. BD. & EXIST. (SEE PLAN)	PT-1 & WT-1 (SEE PLAN)	GYP-1	PT-3	
113	HALL							
114	BREAK ROOM	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
115	CLOS.	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
116	STAIR #1	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN

FINISH SCHEDULE

SYMBOL	MATERIAL	BASIS OF DESIGN MANUFACTURER	STYLE/ PATTERN	MAT'L. OR COLOR #	COLOR NAME	FINISH	MATERIAL SIZE	GENERAL LOCATION	INSTALLATION NOTES
FLOOR									
CON-1	STAINED CONCRETE	-	-	-	-	-	-	BASEMENT ROOMS EXCEPT RESTROOMS AND LOCKER ROOMS	SEE SPECIFICATION
SFCS-1	SEAMLESS FLOOR COATING SYSTEM	SEE SPECIFICATION SECTION 09 96 59	-	-	-	-	-	BASEMENT RESTROOMS AND LOCKER ROOM	SEE SPECIFICATION SECTION 09 96 59
LVT-1	LUXURY VINYL TILE	SHAW	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	1ST FLOOR ROOMS	-----
FT-1	NATURAL SLATE TILE	DAL TILE	MONGOLIAN SPRING SQUARE	S781	SEE SPEC.	NATURAL CLEFT	12" x 12"	1ST FLOOR LOBBY	WITH BLACK GROUT
PAINT									
PT-1	PAINT - WALLS	SHERWIN WILLIAMS	-	SW7672	KNITTING NEEDLES	EGGSHELL	-	GENERAL WALLS	
PT-2	PAINT - ACCENT WALLS	SHERWIN WILLIAMS	-	SW9150	ENDLESS SEA	EGGSHELL	-	ACCENT WALLS	
PT-3	PAINT - EXPOSED STRUCTURE ABOVE, DOORS & FRAMES	SHERWIN WILLIAMS	-	SW7005	PURE WHITE	EGGSHELL	-	H.M. DOORS & FRAMES, EXPOSED FLOOR STRUCTURE ABOVE	
PT-4	PAINT - RESTROOM CMU WALLS	SHERWIN WILLIAMS - PRO-INDUSTRIAL HIGH PERFORMANCE EPOXY		SW7672	KNITTING NEEDLES	EGGSHELL	-	AT CMU RESTROOM WALLS	
WALL TILE									
WT-1	SUBWAY TILE	DAL TILE	SEE SPEC.	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC.	RESTROOM WET WALLS	-
WALL BASE									
B-1	VINYL WALL BASE	ARMSTRONG WORLD INDUSTRIES	-	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	GENERAL	-
CEILING									
CLG-1	SUSPENDED ACOUSTICAL TILE	ARMSTRONG WORLD INDUSTRIES	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	1ST FLOOR	9/16" TEGULAR SILHOUETTE SUSPENSION SYSTEM WITH 1/8" REVEAL
CLG-2	DECORATIVE SUSPENDED CEILING TILE	ARMSTRONG CEILINGS	-	"METALLAIRE", PRODUCT NO.: 5422504L	COPPER	"BEAD" 24" X 24" SUSPENDED	24" x 24"	1ST FLOOR LOBBY	-
GYP-1	GYPSUM BOARD - PAINTED	UNITED STATES GYPSUM	SEE PT-3 ABOVE	SEE PT-3 ABOVE	SEE PT-3 ABOVE	SEE PT-3 ABOVE	-	1ST FLOOR RESTROOMS	-
COUNTERTOPS									
PLA-1	STANDARD PLASTIC LAMINATE	WILSONART	FINE VELVET	Y0634	ARCTIC EXPEDITION	-	-	WORK ROOMS, BREAK ROOM COUNTERTOPS	VERIFY COLOR WITH OWNER
CABINETS									
PLA-2	STANDARD PLASTIC LAMINATE	WILSONART	FINE VELVET	4880	CARBON MESH	-	-	WORK ROOM, BREAK ROOM CABINETS	VERIFY COLOR WITH OWNER

FINISH PLAN LEGEND

- NEW WALLS
- BELOW COUNTERCABINET/CASEWORK - SEE INTERIOR ELEVATIONS AND CASEWORK DETAILS ON SHEETS AR01-1020, AR01-1021 & AR01-7000
- 3" DIAMETER COUNTERTOP GROMMET
- 1008 — FLOOR PLAN KEYNOTE - SEE FLOOR PLAN & INTERIOR ELEVATIONS KEYNOTES LIST ON THIS SHEET
- CON-1 (FLOOR FINISH) / B-1 (WALL BASE) / PT-2 (WALL FINISH) — ROOM FINISH TAG
- PT-1 — WALL FINISH TAG - SEE FINISH SCHEDULE ON THIS SHEET
- E1 — EQUIPMENT TAG - SEE EQUIPMENT SCHEDULE ON THIS SHEET
- PLA-1 (COUNTER) / PLA-2 (CABINET) — COUNTER/CABINET TAG

NOTES:

1. WALL FINISH MATERIALS SHALL TERMINATE AT INSIDE CORNERS, U.N.O.

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	COMMENTS
E1	THRU-WALL TRANSACTION DRAWER	**SHURESAFE**, MODEL #: SPT150 PASS-THRU-DRAWER. VERIFY WALL OPENING WITH MANUFACTURER'S REQUIRED OPENING DIMENSIONS. PROVIDED BY GENERAL CONTRACTOR. SEE DETAILS ON SHEET AR01-1021
E2	LOCKERS	**PENCO "VANGUARD"** MODEL: 6111R, 12" x 12" X 5'-0" HIGH, COLOR: 054 "CANVAS" PROVIDED BY GENERAL CONTRACTOR SEE SPEC SECTION 10 50 50, PART 2.3 'METAL LOCKERS - LOCKER BENCHES'
E3	STAINLESS STEEL FLOOR MOUNT DETENTION BENCH WITH HANDCUFF BAR - 4'-0" LONG	**KRYPTOMAX**, MODEL #: KM-FDB-48in-HCB, PROVIDED BY GENERAL CONTRACTOR

NOTES:

1) SEE INTERIOR ELEVATIONS ON SHEETS AR01-1020, AR01-1021 & AR01-7000 FOR MOUNTING HEIGHTS AND LOCATIONS

FLOOR MATERIAL LEGEND

SYMBOL	DESCRIPTION
	EXISTING CONCRETE SLAB
	LUXURY VINYL TILE (LVT)
	STAINED CONCRETE
	SEAMLESS FLOOR COATING SYSTEM

FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

#	DESCRIPTION
1050	WATER HEATER - SEE PLUMBING DRAWINGS
1050	WATER HEATER - SEE PLUMBING DRAWINGS
1051	TANKLESS WATER HEATER - SEE PLUMBING DRAWINGS
1052	EXISTING AIR COMPRESSOR
1053	JANITOR SINK - SEE PLUMBING DRAWINGS
1054	AREA OF CONCRETE FILL - TO MATCH HEIGHT OF EXISTING RAISED CONCRETE FLOOR
1055	BUILT-IN WORK COUNTER AND DIVIDER PANELS - SEE DETAIL ON SHEET AR01-7000
1056	LOW WALL - SEE DETAIL ON SHEET AR01-1020
1057	PLASTIC LAMINATE COUNTER
1058	PLASTIC LAMINATE BASE CABINET
1059	KEY PAD - SEE ELECTRICAL DRAWINGS
1060	DRINKING FOUNTAIN, CENTER IN ALCOVE - SEE PLUMBING DRAWINGS
1061	INTERROGATION ROOM TABLE - PROVIDED BY OWNER
1062	OFFICE DESK - PROVIDED BY OWNER
1063	CHAIR - PROVIDED BY OWNER
1064	CONFERENCE ROOM TABLE AND CHAIRS - PROVIDED BY OWNER
1065	OFFICE DESK - PROVIDED BY OWNER
1066	BREAK ROOM TABLE AND CHAIRS - PROVIDED BY OWNER
1067	WORK DESK - PROVIDED BY OWNER
1068	EXISTING COLUMN/SIGNAGE TO REMAIN
1069	SHELVING - PROVIDED BY OWNER
1070	EXISTING WINDOW
1071	COPIER - PROVDED BY OWNER
1072	DISPLAY TABLE - PROVIDED BY OWNER
1073	RESILIENT BASE - SEE SPEC. SECTION 09 65 13
1074	FLOOR DRAIN - SEE PLUMBING DRAWINGS
1075	EXISTING CONCRETE STEP
1076	FIBERGLASS SHOWER ENCLOSURE - 76 3/4" HIGH x 48" WIDE x 34" DEEP ALCOVE SHOWER ENCLOSURE, MFR.: DREAMLINE, MODEL: QWALL5, OR APPROVED EQUAL
1077	ELECTRICAL OUTLET - SEE ELECTRICAL DRAWINGS
1078	LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
1079	LOCKER ROOM BENCH - SEE SPEC SECTION 10 50 50, 2.3
1080	RELOCATED COMPRESSED AIR RECEIVER

GENERAL FINISH NOTES:

1. ALL ITEMS PAINTED ARE TO BE PROPERLY CLEANED AND PREPPED PER MANUFACTURER'S RECOMMENDATIONS, ONE (1) COAT OF PRIMER, AND TWO (2) TOP COATS

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	B. KEECH	S. MARITZER	BID/PERMIT SET

700 Cherrington Parkway
Moon Township, Pa 15108
412-429-2324 • 800-365-2324
www.cecinc.com
Civil & Environmental Consultants, Inc.

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA 15642

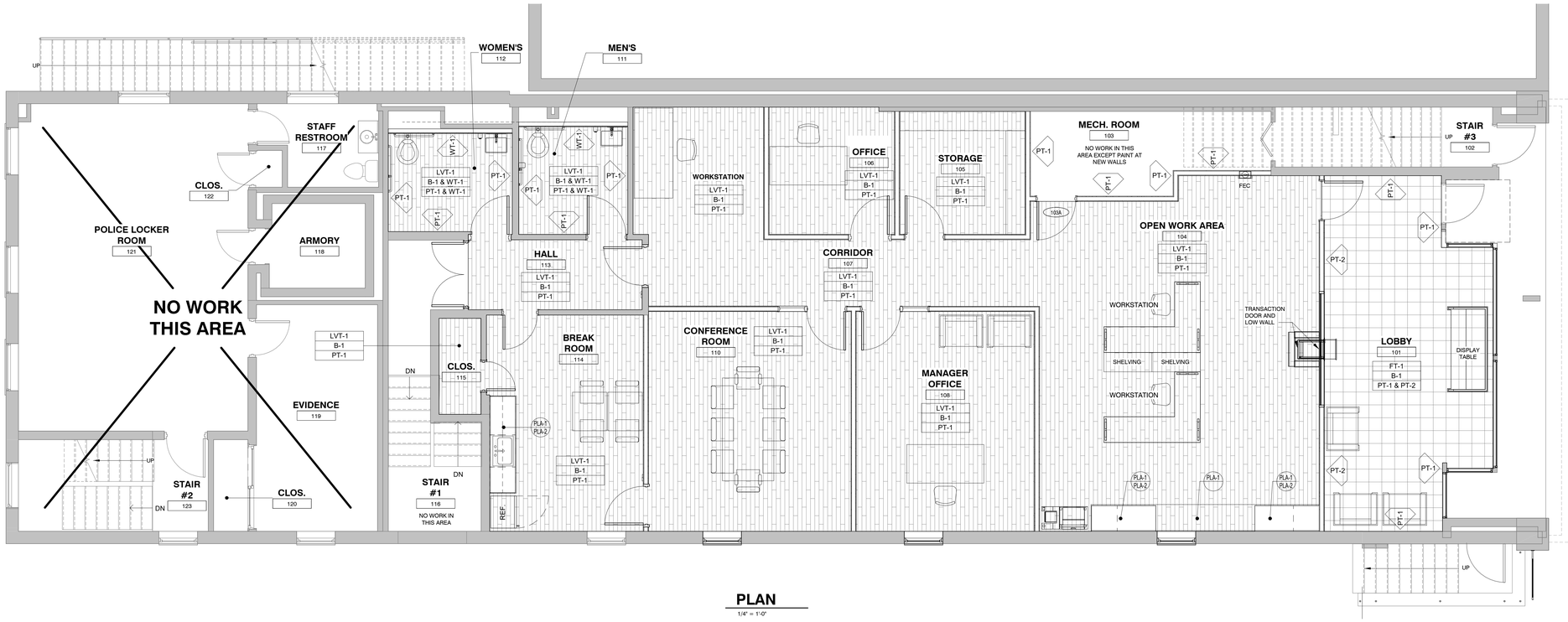
ARCHITECTURAL

BASEMENT FINISH PLAN AND SCHEDULE

DATE: JANUARY 2025 | DRAWN BY: B. KEECH
DWG SCALE: AS SHOWN | CHECKED BY: S. MARITZER
PROJECT NO. 347-183 | APPROVED BY: R. SUSALLA

DRAWING NO.: AR01-8000
SHEET OF 1

NORTH



PLAN

1/4" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS		CEILING		COMMENTS
				MATERIAL	FINISH	MATERIAL	FINISH	
001	VESTIBULE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
002	STORAGE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
003	STORAGE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
004	STORAGE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
005	CLOS.	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
006	OFFICE	CON-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
007	LOCKER ROOM	SFC-1	B-1	GYP. BD.	PT-1	EXIST.	PT-3	
008	STAFF RESTROOM/ SHOWER	SFC-1	B-1 (N, S & WING WALL), WT-1 (E & W)	GYP. BD. & EXIST. (SEE PLAN)	PT-1 & WT-1 (SEE PLAN)	EXIST.	PT-3	
009	INTERROGATION ROOM	CON-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
010	OPEN AREA	CON-1	B-1	GYP. BD, CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	PAINT ALL WALLS AND COLUMNS
011	ADA RESTROOM	SFC-1	B-1 (N & S), WT-1 (E & W)	CMU & EXIST. (SEE PLAN)	PT-1 & WT-1 (SEE PLAN)	EXIST.	PT-3	
012	HOLDING ROOM	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
013	MECHANICAL ROOM	-	-	CMU & EXIST. (SEE PLAN)	-	EXIST.	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
014	HALL	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
015	STAIR #1	-	-	EXIST., GYP. BD. (NE CORNER)	PT-1 AT NEW WALLS ONLY (SEE PLAN)	-	-	
016	ELEC./TELE	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
017	WORK ROOM	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
018	CHIEF OFFICE	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
019	CLOS.	CON-1	B-1	EXIST.	PT-1	CLG-1	SEE FIN. SCHED.	
020	VESTIBULE	CON-1	B-1	CMU & EXIST. (SEE PLAN)	PT-1	EXIST.	PT-3	
021	STAIR #2	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
101	LOBBY	PT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1 & PT-2 (SEE PLAN)	CLG-2	SEE FIN. SCHED.	
102	STAIR #3	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN
103	MECH. ROOM	-	-	GYP. BD. & EXIST. (SEE PLAN)	PT-1 AT NEW WALLS ONLY	-	-	NO WORK IN THIS AREA EXCEPT PAINT AT NEW WALLS
104	OPEN WORK AREA	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
105	STORAGE	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
106	MAYOR'S OFFICE	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
107	CORRIDOR	LVT-1	B-1	GYP. BD.	PT-1	CLG-1	SEE FIN. SCHED.	
108	MANAGER OFFICE	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
109	WORKSTATION							
110	CONFERENCE ROOM	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
111	MENS	LVT-1	B-1 (E & W), WT-1 (N & S)	GYP. BD. & EXIST. (SEE PLAN)	PT-1 & WT-1 (SEE PLAN)	GYP-1	PT-3	
112	WOMENS	LVT-1	B-1 (E & W), WT-1 (N & S)	GYP. BD. & EXIST. (SEE PLAN)	PT-1 & WT-1 (SEE PLAN)	GYP-1	PT-3	
113	HALL							
114	BREAK ROOM	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
115	CLOS.	LVT-1	B-1	GYP. BD. & EXIST. (SEE PLAN)	PT-1	CLG-1	SEE FIN. SCHED.	
116	STAIR #1	-	-	-	-	-	-	NO WORK IN THIS AREA - ALL EXISTING FINISHES TO REMAIN

FINISH SCHEDULE

SYMBOL	MATERIAL	BASIS OF DESIGN MANUFACTURER	STYLE/ PATTERN	MAT'L OR COLOR #	COLOR NAME	FINISH	MATERIAL SIZE	GENERAL LOCATION	INSTALLATION NOTES
FLOOR									
CON-1	STAINED CONCRETE	-	-	-	-	-	-	BASEMENT ROOMS EXCEPT RESTROOMS AND LOCKER ROOMS	SEE SPECIFICATION
SFCS-1	SEAMLESS FLOOR COATING SYSTEM	SEE SPECIFICATION SECTION 09 96 59	-	-	-	-	-	BASEMENT RESTROOMS AND LOCKER ROOM	SEE SPECIFICATION SECTION 09 96 59
LVT-1	LUXURY VINYL TILE	SHAW	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	1ST FLOOR ROOMS	----
FT-1	NATURAL SLATE TILE	DAL TILE	MONGOLIAN SPRING SQUARE	S781	SEE SPEC.	NATURAL CLEFT	12" x 12"	1ST FLOOR LOBBY	WITH BLACK GROUT
PAINT									
PT-1	PAINT - WALLS	SHERWIN WILLIAMS	-	SW7672	KNITTING NEEDLES	EGGSHELL	-	GENERAL WALLS	
PT-2	PAINT - ACCENT WALLS	SHERWIN WILLIAMS	-	SW9150	ENDLESS SEA	EGGSHELL	-	ACCENT WALLS	
PT-3	PAINT - EXPOSED STRUCTURE ABOVE, DOORS & FRAMES	SHERWIN WILLIAMS	-	SW7005	PURE WHITE	EGGSHELL	-	H.M. DOORS & FRAMES, EXPOSED FLOOR STRUCTURE ABOVE	
PT-4	PAINT - RESTROOM CMU WALLS	SHERWIN WILLIAMS - PRO-INDUSTRIAL HIGH PERFORMANCE EPOXY		SW7672	KNITTING NEEDLES	EGGSHELL	-	AT CMU RESTROOM WALLS	
WALL TILE									
WT-1	SUBWAY TILE	DAL TILE	SEE SPEC.	SEE SPEC	SEE SPEC	SEE SPEC	SEE SPEC.	RESTROOM WET WALLS	-
WALL BASE									
B-1	VINYL WALL BASE	ARMSTRONG WORLD INDUSTRIES	-	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	GENERAL	-
CEILING									
CLG-1	SUSPENDED ACOUSTICAL TILE	ARMSTRONG WORLD INDUSTRIES	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	1ST FLOOR	9/16" TEGULAR SILHOUETTE SUSPENSION SYSTEM WITH 1/8" REVEAL
CLG-2	DECORATIVE SUSPENDED CEILING TILE	ARMSTRONG CEILINGS	-	"METALLAIRE", PRODUCT NO.: 5422504L	COPPER	"BEAD" 24" X 24" SUSPENDED	24" x 24"	1ST FLOOR LOBBY	-
GYP-1	GYPSUM BOARD - PAINTED	UNITED STATES GYPSUM	SEE PT-3 ABOVE	SEE PT-3 ABOVE	SEE PT-3 ABOVE	SEE PT-3 ABOVE	-	1ST FLOOR RESTROOMS	-
COUNTERTOPS									
PLA-1	STANDARD PLASTIC LAMINATE	WILSONART	FINE VELVET	Y0634	ARCTIC EXPEDITION	-	-	WORK ROOMS, BREAK ROOM COUNTERTOPS	VERIFY COLOR WITH OWNER
CABINETS									
PLA-2	STANDARD PLASTIC LAMINATE	WILSONART	FINE VELVET	4880	CARBON MESH	-	-	WORK ROOM, BREAK ROOM CABINETS	VERIFY COLOR WITH OWNER

FINISH PLAN LEGEND

- NEW WALLS
- BELOW COUNTERCABINET/CASEWORK - SEE INTERIOR ELEVATIONS AND CASEWORK DETAILS ON SHEETS AR01-1020, AR01-1021 & AR01-7000
- 3" DIAMETER COUNTERTOP GROMMET
- 1008 — FLOOR PLAN KEYNOTE - SEE FLOOR PLAN & INTERIOR ELEVATIONS KEYNOTES LIST ON THIS SHEET
- CON-1 (FLOOR FINISH) / B-1 (WALL BASE) / PT-2 (WALL FINISH) — ROOM FINISH TAG
- PT-1 — WALL FINISH TAG - SEE FINISH SCHEDULE ON THIS SHEET
- E1 — EQUIPMENT TAG - SEE EQUIPMENT SCHEDULE ON THIS SHEET
- PLA-1 (COUNTER) / PLA-2 (CABINET) — COUNTER/CABINET TAG

NOTES:

1. WALL FINISH MATERIALS SHALL TERMINATE AT INSIDE CORNERS, U.N.O.

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	COMMENTS
E1	THRU-WALL TRANSACTION DRAWER	**SHURESAFE**. MODEL #: SPT150 PASS-THRU-DRAWER. VERIFY WALL OPENING WITH MANUFACTURER'S REQUIRED OPENING DIMENSIONS. PROVIDED BY GENERAL CONTRACTOR. SEE DETAILS ON SHEET AR01-1021
E2	LOCKERS	**PENCO "VANGUARD"** MODEL: 6111R, 12" x 12" X 5'-0" HIGH, COLOR: 054 "CANVAS" PROVIDED BY: GENERAL CONTRACTOR SEE SPEC SECTION 10 50 50, PART 2.3 'METAL LOCKERS - LOCKER BENCHES'
E3	STAINLESS STEEL FLOOR MOUNT DETENTION BENCH WITH HANDCUFF BAR - 4'-0" LONG	**KRYPTOMAX**. MODEL #: KM-FDB-48in-HCB. PROVIDED BY GENERAL CONTRACTOR

NOTES:

1) SEE INTERIOR ELEVATIONS ON SHEETS AR01-1020, AR01-1021 & AR01-7000 FOR MOUNTING HEIGHTS AND LOCATIONS

FLOOR MATERIAL LEGEND

SYMBOL	DESCRIPTION
	EXISTING CONCRETE SLAB
	LUXURY VINYL TILE (LVT)
	STAINED CONCRETE
	SEAMLESS FLOOR COATING SYSTEM

FLOOR PLAN & INTERIOR ELEVATION KEYNOTES

#	DESCRIPTION
1050	**WATER HEATER - SEE PLUMBING DRAWINGS**
1050	**WATER HEATER - SEE PLUMBING DRAWINGS**
1051	**TANKLESS WATER HEATER - SEE PLUMBING DRAWINGS**
1052	**EXISTING AIR COMPRESSOR**
1053	**JANITOR SINK - SEE PLUMBING DRAWINGS**
1054	**AREA OF CONCRETE FILL - TO MATCH HEIGHT OF EXISTING RAISED CONCRETE FLOOR**
1055	**BUILT-IN WORK COUNTER AND DIVIDER PANELS - SEE DETAIL ON SHEET AR01-7000**
1056	**LOW WALL - SEE DETAIL ON SHEET AR01-1020**
1057	**PLASTIC LAMINATE COUNTER**
1058	**PLASTIC LAMINATE BASE CABINET**
1059	**KEY PAD - SEE ELECTRICAL DRAWINGS**
1060	**DRINKING FOUNTAIN, CENTER IN ALCOVE - SEE PLUMBING DRAWINGS**
1061	**INTERROGATION ROOM TABLE - PROVIDED BY OWNER**
1062	**OFFICE DESK - PROVIDED BY OWNER**
1063	**CHAIR - PROVIDED BY OWNER**
1064	**CONFERENCE ROOM TABLE AND CHAIRS - PROVIDED BY OWNER**
1065	**OFFICE DESK - PROVIDED BY OWNER**
1066	**BREAK ROOM TABLE AND CHAIRS - PROVIDED BY OWNER**
1067	**WORK DESK - PROVIDED BY OWNER**
1068	**EXISTING COLUMN/SIGNAGE TO REMAIN**
1069	**SHELVING - PROVIDED BY OWNER**
1070	**EXISTING WINDOW**
1071	**COPIER - PROVDED BY OWNER**
1072	**DISPLAY TABLE - PROVIDED BY OWNER**
1073	**RESILIENT BASE - SEE SPEC. SECTION 09 65 13**
1074	**FLOOR DRAIN - SEE PLUMBING DRAWINGS**
1075	**EXISTING CONCRETE STEP**
1076	**FIBERGLASS SHOWER ENCLOSURE - 76 3/4" HIGH x 48" WIDE x 34" DEEP ALCOVE SHOWER ENCLOSURE, MFR.: DREAMLINE, MODEL: QWALL5, OR APPROVED EQUAL**
1077	**ELECTRICAL OUTLET - SEE ELECTRICAL DRAWINGS**
1078	**LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS**
1079	**LOCKER ROOM BENCH - SEE SPEC SECTION 10 50 50, 2.3**
1080	**RELOCATED COMPRESSED AIR RECEIVER**

GENERAL FINISH NOTES:

1. ALL ITEMS PAINTED ARE TO BE PROPERLY CLEANED AND PREPPED PER MANUFACTURER'S RECOMMENDATIONS, ONE (1) COAT OF PRIMER, AND TWO (2) TOP COATS

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04-APR-2025	B. KEECH	S. MARITZER	BID/PERMIT SET

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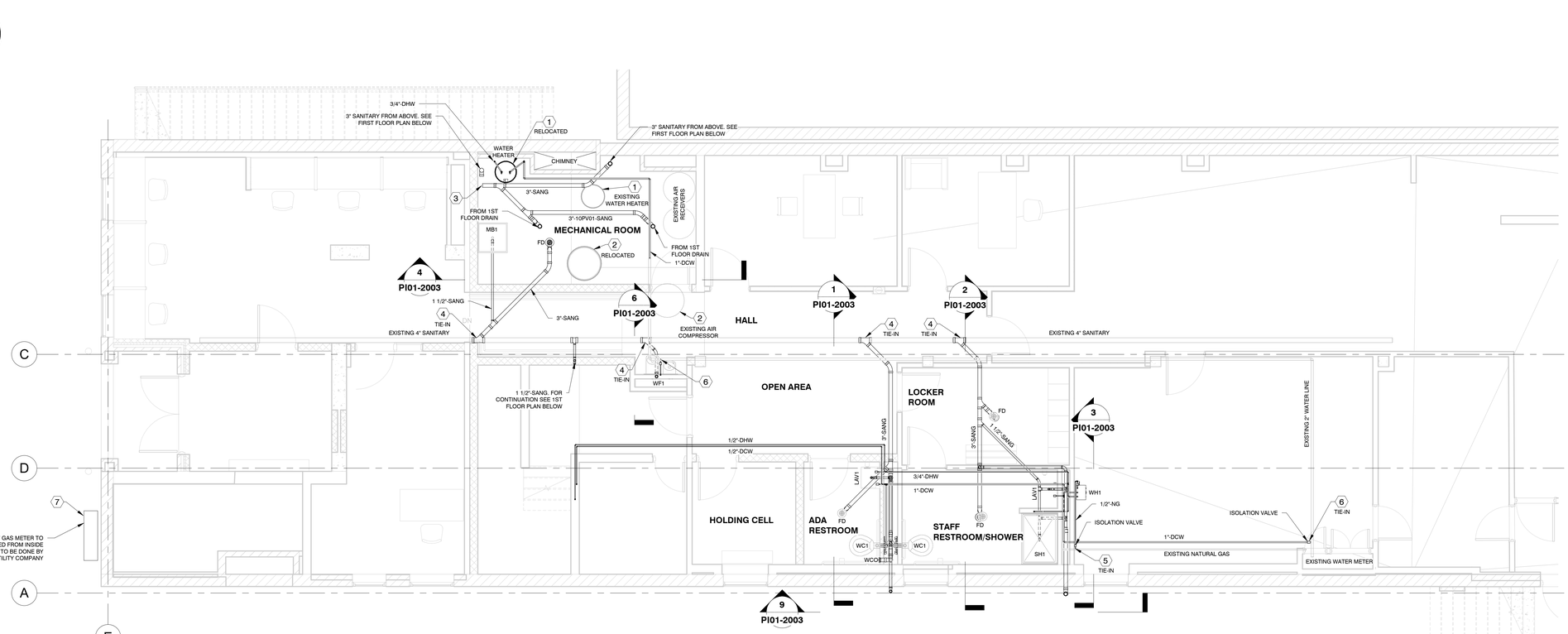
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
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IRWIN, PA 15642

ARCHITECTURAL
1ST FLOOR FINISH PLAN AND SCHEDULE

DATE:	JANUARY 2025
DRAWN BY:	B. KEECH
CHECKED BY:	S. MARITZER
DWG SCALE:	AS SHOWN
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

DRAWING NO.: AR01-8001

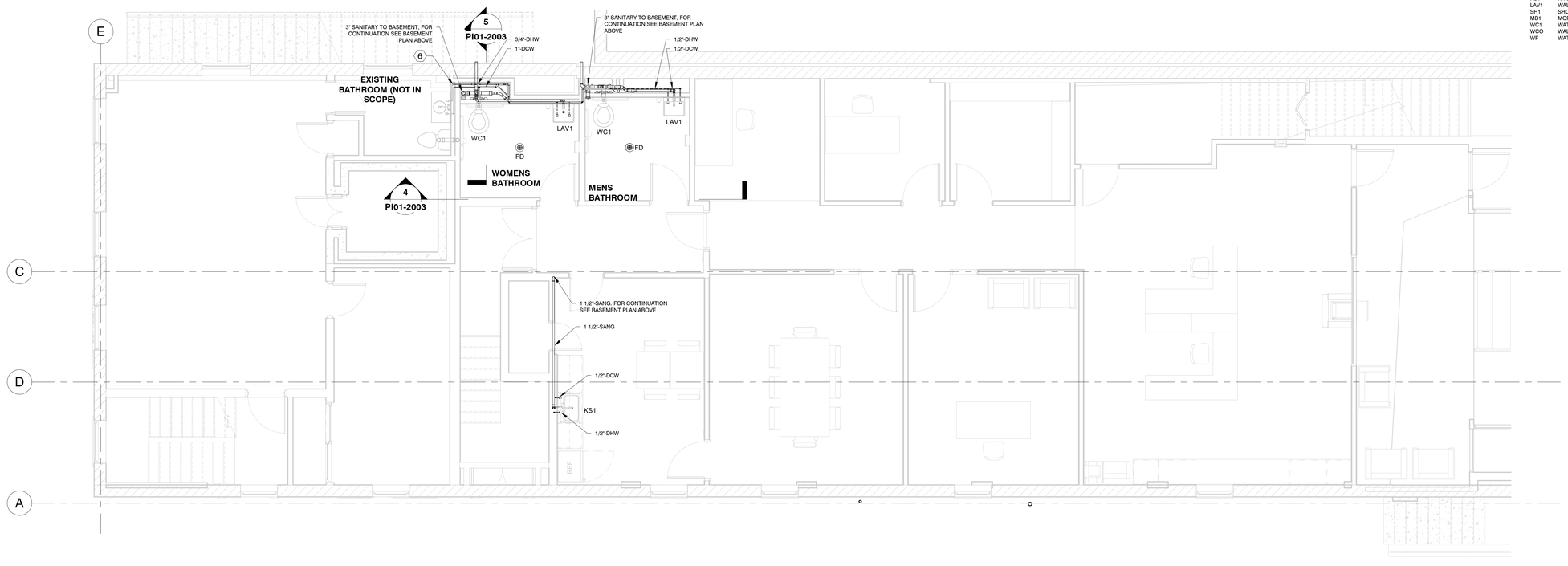
SHEET OF 1



BASEMENT PLAN

1/4" = 1'-0"

PLAN CUT JUST BELOW 1ST FLOOR



1ST FLOOR PLAN

1/4" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, INCIDENTALS, METHODS, AND SERVICES REQUIRED TO INSTALL ALL WORK INDICATED COMPLETELY AND IN FULL OPERATION.
2. VERIFY ALL FIELD CONDITIONS, DIMENSIONS, AND DETAILS IN THE FIELD PRIOR TO BID, PRIOR TO FABRICATION AND INSTALLATION. INCLUDE IN BID ALL WORK NECESSARY TO COVER COSTS RESULTING FROM FIELD CONDITIONS. FIELDS CONDITIONS SHALL BE ASSESSED DURING PRE-BID SITE VISIT AND/OR SPECIAL SCHEDULED SITE VISIT.
3. ALL WORK SHALL BE IN CONFORMANCE WITH ALL APPLICABLE LAWS, CODES, AND REGULATIONS ADOPTED BY THE MUNICIPALITY, COUNTY, STATE, AND FEDERAL AUTHORITIES, INSURANCE AGENCIES, AND ALL OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK.
4. CONTRACTOR SHALL FOLLOW ALL WELDING PROVISIONS WITHIN THE ASME/ANSI PRESSURE VESSEL AND PIPING CODES AND SPECIFICATIONS ANSI/ASME B31.1 AND B31.9. SUBMIT ALL APPROPRIATE WELDER'S CERTIFICATIONS AND CERTIFICATIONS OF FIELD TESTING AS REQUIRED.
5. THE CONTRACTOR SHALL GUARANTEE THE ENTIRE INSTALLATION FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE SYSTEM AS A WHOLE.
6. APPLY FOR, SECURE, AND PAY FOR ALL PERMITS AND/OR CERTIFICATES OF INSPECTION REQUIRED IN THE PERFORMANCE OF THE WORK BY ALL AUTHORITIES HAVING JURISDICTION.
7. ALL MATERIALS SHALL BE APPROVED AND RATED FOR USE IN POTABLE WATER SYSTEMS BY THE AUTHORITIES HAVING JURISDICTION.
8. ANY DEFECTS IN WORKMANSHIP, MATERIALS, MALFUNCTIONS OF EQUIPMENT OR UNSATISFACTORY PERFORMANCE, AND ALL OTHER WORK OR PARTS FO THE BUILDING DAMAGED THEREBY, SHALL BE REPAIRED, REPLACED, OR OTHERWISE REMEDIED WITHOUT EXPENSE TO THE OWNER. SUCH REPAIRS OR REPLACEMENTS SHALL BE MADE IN A TIMELY MANNER AND AT THE CONVENIENCE OF THE OWNER.
9. IN ADDITION TO SPECIFICS AS DEFINED HEREINAFTER, THE CONTRACTOR SHALL PROTECT THE WORKSITE AND ALL HIS OR HER WORK AGAINST DAMAGE FROM ANY SOURCE (INCLUDING BUT NOT LIMITED TO WATER, DUST, HEAT, FREEZING, ETC.) UNTIL FINAL COMPLETION AND ACCEPTANCE BY OWNER.
10. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIAL (AND METHODS WHERE SPECIFICALLY REQUESTED) BEING USED IN THE COURSE OF THE WORK. PURCHASE OF OR THE INSTALLATION OF MATERIALS OF SYSTEM PARTS SHALL NOT PROCEED UNTIL REVIEWED AND APPROVED SHOP DRAWINGS ARE RETURNED TO THE SUBMITTED CONTRACTOR.
11. CONTRACTOR SHALL UPON COMPLETION OF THE WORK SUBMIT RECORD DRAWINGS SHOWING ALL CHANGES FROM THE CONTRACT DRAWING MADE IN THE INSTALLATION AND SHOWING DIMENSIONS LOCATIONS OF CONCEALED EQUIPMENT OR PARTS OF THE WORK.
12. CONTRACTOR SHALL COMPLETE ALL CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THE WORK. CUTTING AND PATCHING SHALL BE COMPLETED IN A NEAT AND WORKMAN LIKE MANNER. PATCHING MATERIALS SHALL MATCH EXISTING MATERIALS. PROVIDE TOUCH UP PAINT TO MATCH THE EXISTING SURROUNDING AREAS OF CUTTING AND PATCHING WORK.
13. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE AND GENERAL ARRANGEMENT OF WORK.
14. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE SUPPLEMENTARY. ANY MATERIALS, LABOR OR SERVICES REQUIRED BY EITHER IS TO BE CONSIDERED AS REQUIRED FOR THE PROJECT.
15. ALL WORK ON THESE DRAWINGS SHALL BE SUPPLEMENTED BY ALL LAWS, ORDINANCES, AND CODES GOVERNING THE WORK OF THESE DIVISIONS, WHICH LAWS, ORDINANCES OR CODES SHALL TAKE PRECEDENCE IN THE EVENT OF ANY CONFLICT BETWEEN SAME, EXCEPT WHERE METHODS OR MATERIALS SHOWN ARE SUPERIOR TO THE LEGAL REQUIREMENTS.

KEYED NOTES (X)

1. EXISTING WATER HEATER TO BE RELOCATED AS SHOWN. CONTRACTOR TO FIELD RELOCATE PIPING AND RECONNECT EXHAUST DUCT AS REQUIRED.
2. EXISTING AIR COMPRESSOR TO BE RELOCATED AS SHOWN. CONTRACTOR TO FIELD RELOCATE PIPING AS REQUIRED.
3. CONTRACTOR TO FIELD ROUTE SANITARY PIPING TO EXISTING SANITARY PIPING AS REQUIRED. ANTICIPATED TIE POINT FOR SANITARY IS IN THE NORTH WEST CORNER OF THE MECHANICAL ROOM. PROVIDE FURNCO TRANSITION FROM PVC TO EXISTING MATERIALS.
4. LOCATION OF EXISTING SANITARY MAIN BELOW FLOOR UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION, AND SAW-CUT FLOOR AS REQUIRED FOR NEW SANITARY PIPING. CONTRACTOR SHALL MODIFY SANITARY PIPING AS REQUIRED TO SUIT FIELD CONDITIONS.
5. RELOCATE EXISTING NATURAL GAS PIPING AS REQUIRED FOR INSTALLATION OF RESTROOMS AND LOCKER ROOM. NEW NATURAL GAS PIPING TO BE UTILIZED FOR INSTANTANEOUS WATER HEATER.
6. TIE-IN TO EXISTING COLD AND HOT WATER PIPING AS REQUIRED FOR NEW FIXTURES.
7. NEW/RELOCATE NATURAL GAS METER BY OTHERS.

PIPING NOTES

1. CONTRACTOR SHALL FURNISH, LOCATE, AND INSTALL ALL PIPING, EQUIPMENT, VALVES AND REGULATORS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH THE APPLICABLE LOCAL AND NATIONAL CODES.
2. INSTALL SHUTOFF VALVES AT EACH FIXTURE OR BRANCH. LOCATE AND ORIENT VALVE OPERATORS FOR EASE OF ACCESS AND FULL LIMITS OF OPERATION.
3. ALL SUPPLY PIPING SYSTEMS SHOULD BE INSTALLED IN ACCORDANCE WITH LOCAL, STATE, AND NATIONAL CODES AND THE REGULATIONS OF THE UTILITY.
4. NO PLUMBING (WATER, DRAINS, VENT, OR GAS PIPING) SHALL BE INSTALLED DIRECTLY ABOVE ANY ELECTRICAL PANELS. COORDINATE WITH OTHER DIVISIONS BEFORE PROCEEDING WITH INSTALLATION.
5. ALL MECHANICAL EQUIPMENT REQUIRING NATURAL GAS SHALL BE FURNISHED WITH PRESSURE REGULATOR. THE GAS PRESSURE REGULATOR SHALL REGULATE THE GAS PRESSURE BETWEEN THE INLET AND OPERATING PRESSURE OF THE EQUIPMENT.
6. ALL EQUIPMENT SHALL BE INSTALLED AND INSPECTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
7. COORDINATE ALL WORK WITH STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DOCUMENTS.
8. COORDINATE ALL PENETRATIONS WITH ARCHITECTURAL AND STRUCTURAL PLANS.
9. DUE TO SMALL SCALE OF DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, VALVES, TRAPS, ACCESS PANELS AND SIMILAR PARTS WHICH MAY BE REQUIRED. DRAWINGS ARE GENERALLY INDICATIVE OF WORK TO BE INSTALLED.
10. PROVIDE ISOLATION VALVE WITHIN 36" OF EQUIPMENT.
11. EACH FIXTURE BRANCH RISER SHALL BE TAKEN OFF THE TOP OF BRANCH MAIN.

SYSTEM ABBREVIATIONS

DCW	DOMESTIC WATER
DHW	DOMESTIC HOT WATER
NG	NATURAL GAS
SANG	SANITARY GRAVITY
V	VENT

FIXTURE ABBREVIATIONS

CAR1	LAVATORY WALL CARRIER
CAR2	WATER CLOSET WALL CARRIER
CAR3	WATER CLOSET WALL CARRIER
FD	FLOOR DRAIN
KS1	KITCHEN SINK
LAV1	WALL MOUNTED LAVATORY
SH1	SHOWER
MB1	MOP BASIN
WC1	WATER CLOSET - WALL MOUNTED
WCO	WALL CLEANOUT
WF	WATER FOUNTAIN

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PIPING
MUNICIPAL BUILDING
PLUMBING
OVERALL PLAN VIEW

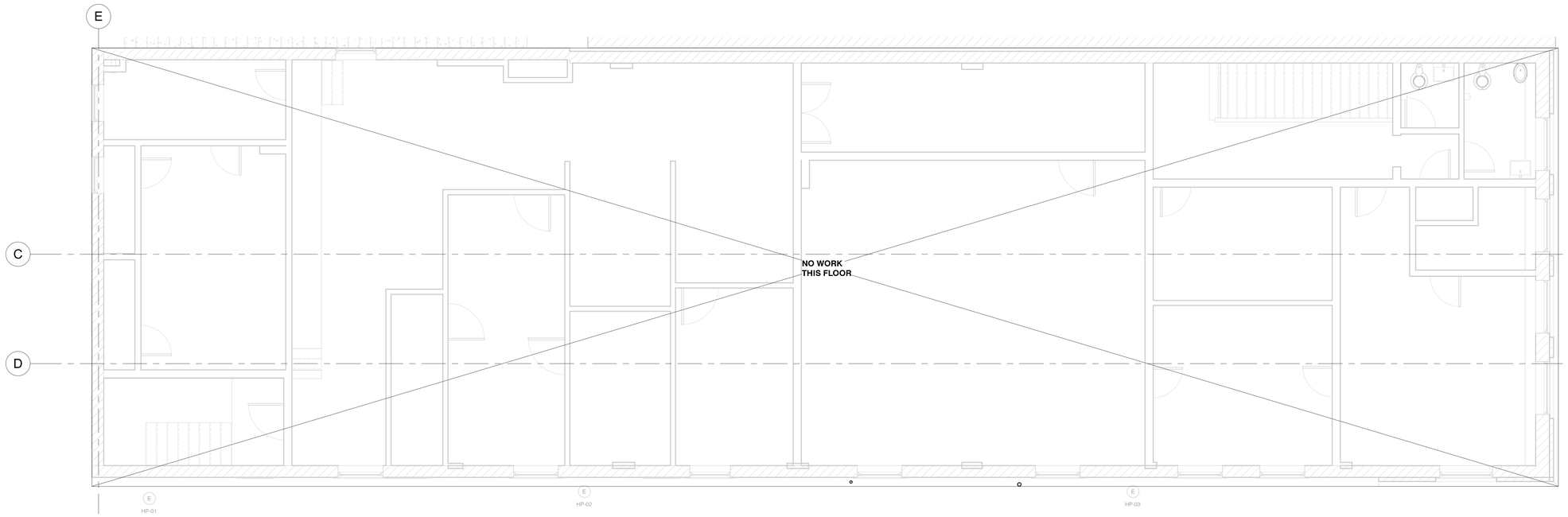
DATE:	03/12/2025
DWG SCALE:	AS SHOWN
DRAWN BY:	M. GRAHAM
CHECKED BY:	B. BANE
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DAVID RICHARD POSNEY
ENGINEER
PE045541E

DRAWING NO.:
PI01-2001
SHEET OF

NOTES:
1. EXISTING PLUMBING TO BE ISOLATED BY THE OWNER FOR FREEZE PROTECTION MEASURES.

NORTH



2ND FLOOR PLAN

1/4" = 1'-0"

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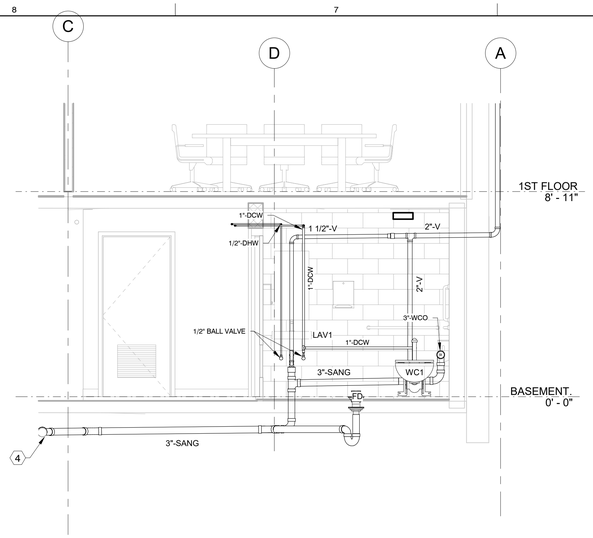
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PIPING
MUNICIPAL BUILDING
PLUMBING
OVERALL 2ND FLOOR PLAN

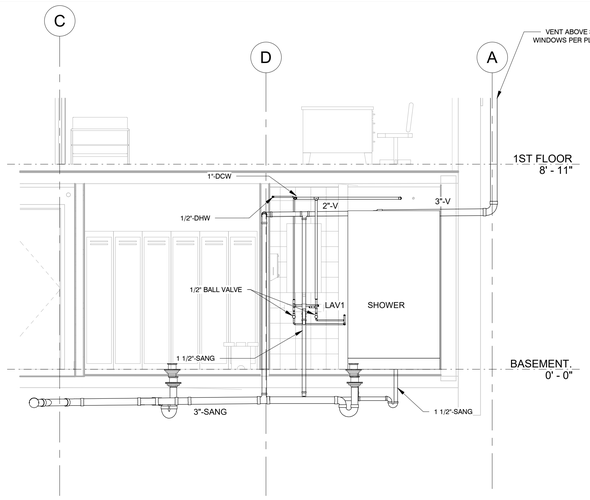
DATE:	03/10/25	DRAWN BY:	M. GRAHAM
DWG SCALE:	AS SHOWN	CHECKED BY:	B. BANE
PROJECT NO:			347-133
APPROVED BY:			R. SUSALLA

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DAVID RICHARD POSNEY
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PE045541E

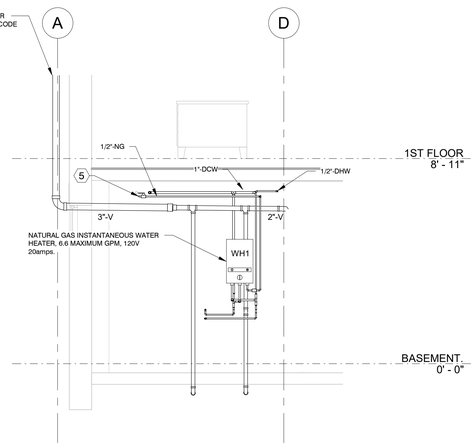
DRAWING NO.:
PI01-2002
SHEET OF



1 **SECTION**
PI01-2001 3/8" = 1'-0"

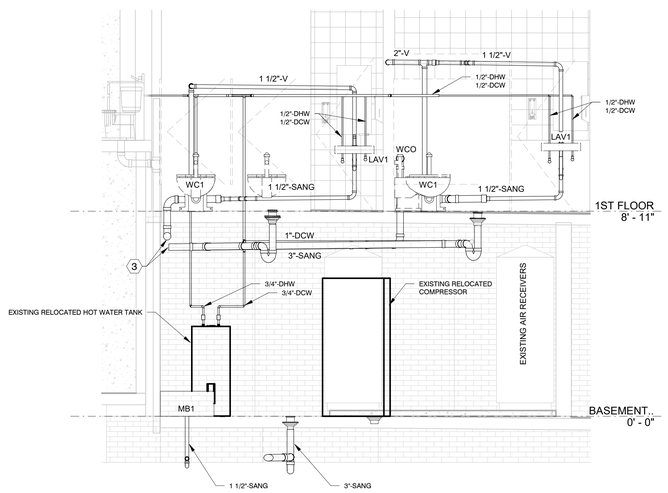


2 **SECTION**
PI01-2001 3/8" = 1'-0"

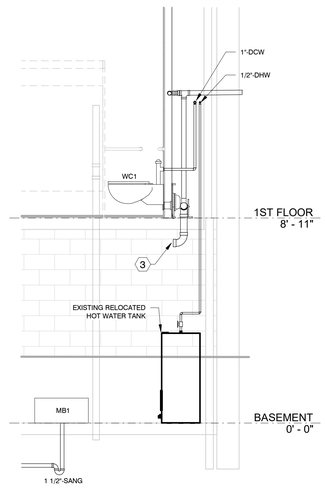


3 **SECTION**
PI01-2001 3/8" = 1'-0"

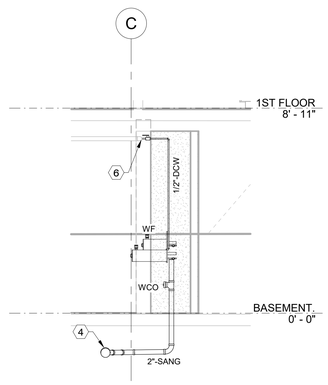
NOTES:
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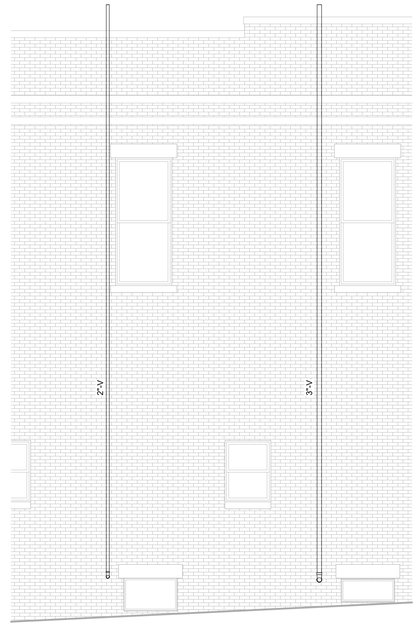
4 **SECTION**
PI01-2001 3/8" = 1'-0"



5 **SECTION**
PI01-2001 3/8" = 1'-0"



6 **SECTION**
PI01-2001 3/8" = 1'-0"



9 **SECTION**
PI01-2001 1/4" = 1'-0"

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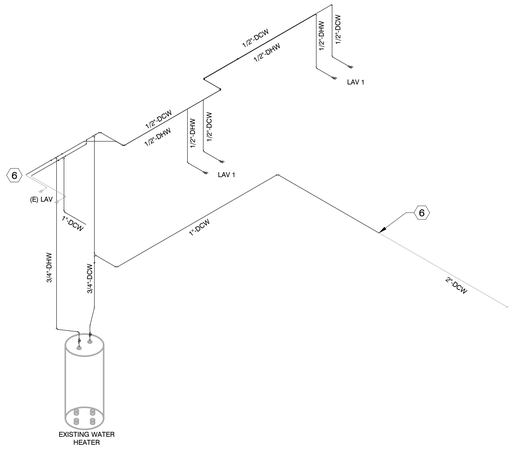
PIPING
MUNICIPAL BUILDING
PLUMBING
SECTIONS

DATE:	03/10/25
DWG SCALE:	AS SHOWN
PROJECT NO:	347-133
DRAWN BY:	M. GRAHAM
CHECKED BY:	B. BANE
APPROVED BY:	R. SUSALLA

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
DAVID RICHARD POSNEY
ENGINEER
PE043541E

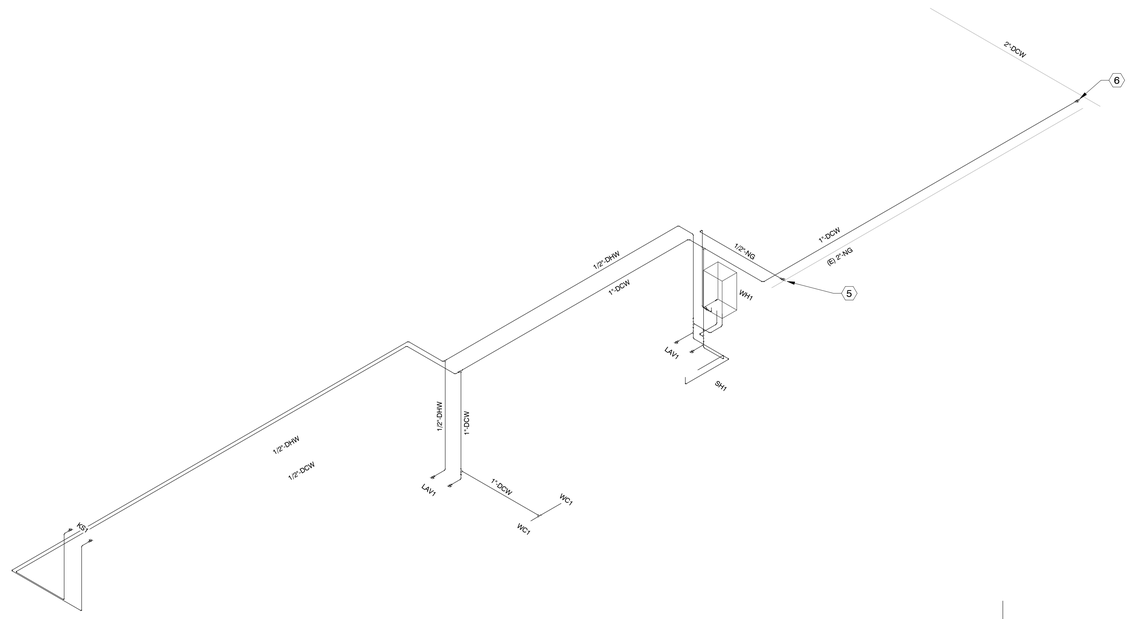
DRAWING NO.:
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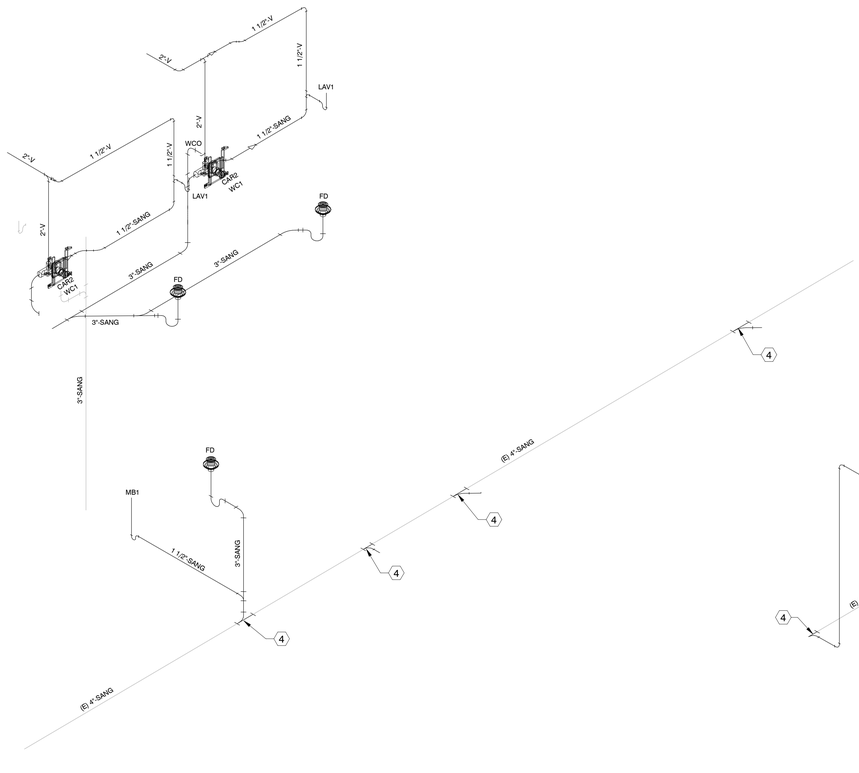
CITY WATER RISER DIAGRAM NORTH WALL

NTS



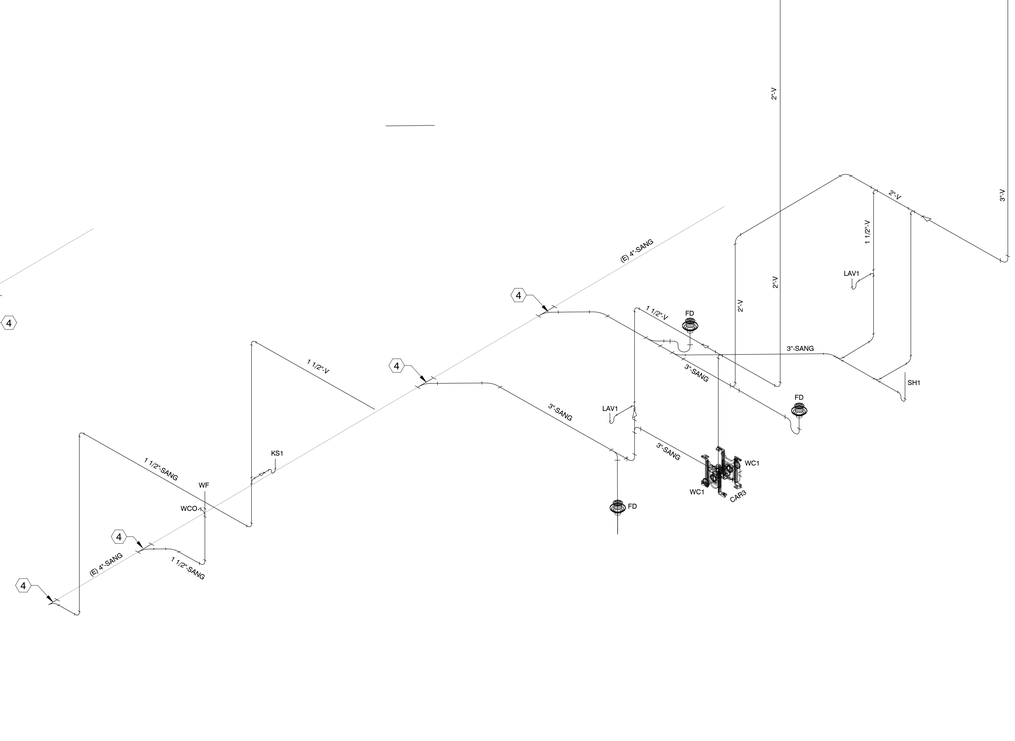
CITY WATER RISER DIAGRAM SOUTH WALL

NTS



SANITARY RISER DIAGRAM NORTH WALL

NTS



SANITARY RISER DIAGRAM SOUTH WALL

NTS

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PIPING
MUNICIPAL BUILDING
PLUMBING
RISER DIAGRAMS

DATE:	03/10/25
DWG SCALE:	AS SHOWN
PROJECT NO:	347-133
DRAWN BY:	M. GRAHAM
CHECKED BY:	B. BANE
APPROVED BY:	R. SUSALLA

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DRAWING NO.:
PI01-2004
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DUCTING AND FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		NEW DUCT
		SUPPLY DUCT UP OR SECTION
		SUPPLY DUCT DOWN
		RETURN OR OA DUCT UP
		RETURN T OR OA DUCT DOWN
		EXHAUST DUCT UP
		EXHAUST DUCT DOWN
		TRANSITION
		FLARED TAKEOFF (RECTANGULAR DUCT)
		(ROUND BRANCH TAKEOFF FROM RECTANTULAR MAIN) WITH VD
		45° LATERAL TAKEOFF (ROUND/OVAL DUCT) COULD BE ANY ANGLE
		90° LATERAL TAKEOFF (ROUND/OVAL DUCT)
		CONICAL TAKEOFF (ROUND/OVAL DUCT)
		VARIABLE ANGLE CONICAL TAKEOFF 90° TAKEOFF W/ BOOT FITTING (ROUND DUCT)
UP	UP	DUCT RISE IN DIRECTION OF AIRFLOW
DN	DN	DUCT DROP IN DIRECTION OF AIRFLOW
		END CAP
		COUPLING
		RECTANGULAR MITERED ELBOW WITH TURNING VANES

CONSTRUCTION SYMBOLS

T/P	TIE-IN POINT TO EXISTING PIPE
S/D	REFER TO SHUTDOWN LIST FOR TIE-POINT INFORMATION
F	FUTURE
E	EXISTING
	CONNECT

VALVE SYMBOLS

DOUBLE LINE	DESCRIPTION
AD	ACCESS DOOR
	DUCT SPRINKLER
VD	VOLUME DAMPER
SD	SMOKE DAMPER
BF	BUTTERFLY DAMPER
FD	FIRE DAMPER
FS	FIRE / SMOKE DAMPER
P	PNEUMATIC VOLUME DAMPER
BG	BLASTGATE DAMPER
E E	ELECTRIC ACTUATOR VOLUME DAMPER W/ VANES (PARALLEL AND OPPOSED BLADE)
COIL	DUCT MOUNTED COIL
HUMI	HUMIDIFIER
	FLEXIBLE DUCT (SINGLE LINE)
	FLEXIBLE DUCT (DOUBLE LINE)
	TERMINAL UNIT (CV/VV) VAV BOX
	TERMINAL UNIT (CV/VV) VAV BOX
	TERMINAL UNIT WITH REHEAT COIL (VVR) VAV BOX WITH HEAT
SILENCER	SOUND ATTENUATOR SILENCER
	ROOF HOOD
	UNIT HEATER

AIR INLET & OUTLET SYMBOLS

	SUPPLY (THROW DIRECTION)
	RETURN (OR EXHAUST)
	LINEAR DIFFUSER (SUPPLY) THROW UNLESS OTHERWISE SHOWN - TWO WAY
	LINEAR DIFFUSER (RETURN OR EXHAUST)
	SUPPLY DIFFUSER THROW UNLESS OTHERWISE SHOWN - FOR WAY
	RETURN / EXHAUST GRILLE
	THROW ARROWS
	THROW ARROWS
	RETURN ARROWS
	(SUPPLY) WALL OR DUCT, REGISTER OR GRILLE (THREE-WAY THROW UNLESS OTHERWISE SHOWN)
	WALL OR DUCT, REGISTER OR GRILLE (RETURN OR EXHAUST)

ACTUATOR SYMBOLS

P Z	PNEUMATIC WITH POSITIONER
P S	PNEUMATIC WITH SOLENOID
E	ELECTRIC
E S	ELECTRIC WITH POSITIONER WITH AIR SET
P	PNEUMATIC
H	HYDRAULIC
S	SOLENOID
NO SYMBOL	MANUAL
	MANUAL OUTSIDE SCREW AND YOKE (OS & Y)
	MANUAL CHAIN OPERATION
SET @ 30 PSIG	AIR SET WITH SET GAUGE PRESSURE
T	THERMOSTAT

FLOW STREAM IDENTIFICATION

BD	BLOW DOWN
BDV	BLOW DOWN VENT
CA	COMPRESSED AIR
CEW	CONDENSER ENTERING WATER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLW	CONDENSER LEAVING WATER
COND	CONDENSATE
DA	DISCHARGE AIR
DCA	DISCHARGE COMPRESSOR AIR
DL	DRIVE LINE
EEW	EVAPORATOR ENTERING WATER
ELW	EVAPORATOR LEAVING WATER
EXH	EXHAUST
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
GE	GENERAL EXHAUST
GWR	GLYCOL WATER RETURN
GWS	GLYCOL WATER SUPPLY
HPRV	HIGH PRESSURE REFRIGERANT VAPOR
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IA	INSTRUMENT AIR
IW	INDUSTRIAL WASTE
ICW	INDUSTRIAL CITY WATER
LPRV	LOW PRESSURE REFRIGERANT VAPOR
N2	NITROGEN
NG	NATURAL GAS
OA	OUTSIDE AIR
RA	RETURN AIR
REXH	REFRIGERANT EXHAUST
REFR	REFRIGERANT RETURN
REFS	REFRIGERANT SUPPLY
RL	REFRIGERANT LIQUID
RR	REFRIGERANT RECLAIM
SA	SUPPLY AIR
SCHWR	SECONDARY CHILLED WATER RETURN
SCHWS	SECONDARY CHILLED WATER SUPPLY
SW	SANITARY WASTE
VE	VENT, EMERGENCY
WCW	WASTE COOLING WATER
WR	WATER RECLAIM
WRG	WATER RECLAIM GRAVIT

EQUIPMENT

A	AGITATOR
AD	ACCESS DOOR
AC	COMPRESSOR
ACC	AIR COOLED CONDENSER
AHU	AIR HANDLER UNIT
ASU	AIR SUPPLY UNIT
B	BLOWER
BDD	BACKDRAFT DAMPER
BLR	BOILER
CAU	CARBON ABSORPTION UNIT
CCU	COOLING COIL
CF	CHEMICAL FEED
CH	CHILLER
CHWP	CHILLED WATER PUMP
C02	C02 SENSOR
CP	COIL PUMP
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
CV	CONSTANT VOLUME TERMINAL UNIT
CVR	CONSTANT VOLUME REHEAT TERMINAL UNIT
D	DRYER
DWH	DOMESTIC WATER HEATER
EF	EXHAUST FAN
EJ	EJECTOR
ESH	ELECTRIC STEAM HUMIDIFIER
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EW	EYE WASH
F	FAN
FACP	FIRE ALARM CONTROL PANEL
FC	FAN CONTROLLER
FD	FIRE DAMPER
FLTR	FILTER
FOP	FUEL OIL PUMP
FTR	FIN TUBE RADIATION
FSFU	FILTERED SUPPLY FAN UNIT
GRH	HOODED GRAVITY RELIEF VENTILATOR
H	HUMIDIFIER
HB	HOSE BIB
HCU	HEATING AND COOLING UNIT
HC	HEATING COIL
HP	HEAT PUMP
HTR	HEATER
HUD	HUMIDIFIER
HX	HEAT EXCHANGER
IDU	INDOOR UNIT
LVR	LOUVER
M	MISCELLANEOUS MECHANICAL EQUIPMENT
MAU	MAKEUP AIR UNIT
MX	MIXER
P	PUMP
PHC	PRE HEAT COIL
PRE	PUMPED REFRIGERANT ECONOMIZER
RG	RETURN GRILLE
RH	REDUCED PRESSURE BACKFLOW PREVENTER
RHC	ROOF HOOD
RPBP	REHEAT COIL
S	SEPARATOR
SG	SUPPLY GRILLE
T	THERMOSTAT
TNK	TANK
TU	TERMINAL UNIT
UH	UNIT HEATER
VD	VARIABLE VOLUME REHEAT TERMINAL UNIT
VV	VOLUME DAMPER
VVR	VARIABLE VOLUME TERMINAL UNIT
WMS	WIRE MESH SCREEN

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
CC	COOLING COIL
CFM	CUBIC FEET PER MINUTE
CL	CENTER LINE
COD	CENTER OF DUCT
DN	DOWN
EAT	ENTERING AIR TEMPERATURE
EL	ELEVATION
EW	EAST-WEST
GPM	GALLONS PER MINUTE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PHC	PRE HEAT COIL
RHC	REHEAT COIL
SM	SHEET METAL
TOS	TOP OF SUPPORT
TOD	TOP OF DUCT
kW	KILOWATTS
MW	MEGAWATTS
W	WATTS
Btu	BRITISH THERMAL UNITS
Hr	HOUR
MBtu	1,000 BRITISH THERMAL UNITS
MMBtu	1,000,000 BRITISH THERMAL UNITS
Hp	HORSE POWER
"WC	INCHES OF WATER COLUMN

GENERAL NOTES - MECHANICAL

1. THIS IS A STANDARD LEGEND SHEET. ALL OF THE INFORMATION ON THE LEGEND MAY NOT BE APPLICABLE TO THIS PROJECT.

2. IF CONTRACTUALLY REQUIRED, PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND CONSTRUCTION. SHOP DRAWING PREPARATION SHALL INCLUDE COORDINATED DUCT ROUTING, BALANCING DEVICE LOCATIONS, AND INSTRUMENTATION LOCATIONS WITH ORIENTATION CLEARLY INDICATED. SHOP DRAWINGS SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO SUBMISSION FOR REVIEW.

3. DUCT SIZES INDICATED ON PLANS ARE NET FREE AREA DIMENSIONS.

4. PROVIDE VOLUME DAMPERS AT EACH BRANCH DUCT CONNECTION AND WHERE INDICATED ON THE DRAWINGS. INSTALL DAMPERS 5'-0" FROM INLET OR OUTLET OPENING WHEN POSSIBLE.

5. PROVIDE ACCESS DOORS ON BOTH SIDES OF FIRE DAMPERS, UPSTREAM OF TURNING VANES AND DAMPERS, AT ALL DUCT MOUNTED DEVICES WHERE INDICATED ON THE DRAWINGS. ACCESS DOORS SHALL BE SIZED AND LOCATED WHERE FACILITIES PERSONNEL CAN EASILY ACCESS FOR MAINTENANCE ACTIVITIES.

6. FIRE STOPPING - RATED WALL AND FLOOR PENETRATIONS. PROVIDE PENETRATIONS AND FIRE STOPPING WHERE REQUIRED. COORDINATE WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PARTITION LOCATIONS AND RATINGS.

7. PROVIDE MINIMUM 2x2 GALVANIZED CLOSURE ANGLE AT EXPOSED DUCT PENETRATIONS.

8. EQUIPMENT INDICATED ON THE DRAWINGS, TOGETHER WITH THEIR BASE AND / OR SUPPORT, DUCTWORK, PIPING, WALL, FLOOR AND ROOF OPENINGS, AND ELECTRICAL SERVICE ARE BASED ON THE MAKE AND MODEL INDICATED ON THE SCHEDULES OR IN THE SPECIFICATIONS. SHOULD THE MECHANICAL CONTRACTOR SELECT AN ALTERNATE MAKE OF EQUIPMENT, EVEN IF APPROVED BY THE OWNER OR ENGINEER, THE MECHANICAL CONTRACTOR SHALL COORDINATE AND MAKE MODIFICATIONS AS NECESSARY TO INCORPORATE THE ALTERNATE EQUIPMENT IN THE WORK WITHOUT CHANGE IN CONTRACT AMOUNT.

9. GROUND SMOOTH ALL EDGES OF WALL SUPPORT BRACKETS SO AS NOT TO POSE A THREAT TO PERSONNEL SAFETY.

10. PROVIDE UL RATED TYPE "B" FIRE DAMPERS AT FIRE WALLS, FIRE BARRIERS, AND WHERE REQUIRED BY CODE AND/OR SHOWN ON DRAWINGS. FIRE DAMPER RATINGS SHALL MATCH THE FIRE WALL / FIRE BARRIER RATING. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND RATINGS.

11. PROVIDE FLEXIBLE CONNECTOR AT ALL STRUCTURAL ISOLATION BREAKS PER SMACNA GUIDELINES.

12. INSTALL HVAC EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

13. DUCTWORK SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED AS RECOMMENDED IN SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS. LATEST EDITION, ASHRAE AND U.L. 181 STANDARDS.

14. EXPOSED SUPPLY AND RETURN AIR DUCTWORK SHALL BE INSULATED WITH NOMINAL 1 1/2 INCH THICK RIGID FIBERGLASS INSULATION WITH FOIL/SKRIM KRAFT VAPOR BARRIER, MINIMUM R=5.1. EXTERIOR DUCTWORK SHALL BE WRAPPED WATERTIGHT WITH METAL JACKET.

15. ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE.

16. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED AND BALANCED TO DELIVER THE AIR QUANTITIES SHOWN ON THE DRAWINGS AND A REPORT SUBMITTED TO ARCHITECT/ENGINEER FOR APPROVAL.

17. SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

18. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

19. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART AS THE MECHANICAL WORK. ALL CONTROL WIRING SHALL BE INSTALLED IN MINIMUM 3/4" CONDUIT.

20. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) AND EQUIPMENT CHARACTERISTICS WITH ELECTRICAL DRAWINGS.

21. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE OWNER.

22. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS.

23. ALL WORK AND EQUIPMENT SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST BUILDING AND MECHANICAL CODES.

24. ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE STATE MECHANICAL CODE.

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424 MAIN STREET
IRWIN, PA 15642

MECHANICAL
GENERAL INFORMATION
GENERAL NOTES AND LEGEND

DATE:	MAR 2025	DRAWN BY:	G. LAWRENCE
DWG SCALE:	NTS	CHECKED BY:	B. BANE
PROJECT NO:			347-133
APPROVED BY:			R. SUSALLA

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DAVID RICHARD POSNEY
ENGINEER
PE045541E
PENNSYLVANIA

DRAWING NO.:
ME01-2001
SHEET OF

INDOOR UNIT SCHEDULE

EQUIPMENT NUMBER	MANUFACTURER	MODEL	COOLING TOTAL CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	NET DIMENSIONS (IN)	REMARKS
IDU-01	TRANE	PLFY-L18NFMU-A	16,866.9	11,013.6	22-7/16" x 22-7/16" x 8-3/16"	1
IDU-02	TRANE	PLFY-L18NFMU-A	16,866.9	11,013.6	22-7/16" x 22-7/16" x 8-3/16"	1
IDU-03	TRANE	PKFY-L12NFMU-A	11,244.6	7,434.2	22-7/16" x 22-7/16" x 8-3/16"	1
IDU-04	TRANE	PLFY-L15NFMU-A	14,055.7	9,361.5	22-7/16" x 22-7/16" x 8-3/16"	1
IDU-05	TRANE	PLFY-L05NFMU-A	4,902.4	3,200.0	22-7/16" x 22-7/16" x 8-3/16"	2
IDU-06	TRANE	PLFY-L05NFMU-A	4,902.4	3,200.0	22-7/16" x 22-7/16" x 8-3/16"	2
IDU-07	TRANE	PLFY-L08NFMU-A	7,843.9	5,142.8	22-7/16" x 22-7/16" x 8-3/16"	2
IDU-08	TRANE	PLFY-L05NFMU-A	4,902.4	3,200.0	22-7/16" x 22-7/16" x 8-3/16"	2
IDU-09	TRANE	PLFY-L05NFMU-A	4,902.4	3,200.0	22-7/16" x 22-7/16" x 8-3/16"	2
IDU-10	TRANE	PLFY-EL12NEMU-A	11,765.8	7,714.3	33-1/16" x 33-1/16" x 10-3/16	2
IDU-11	TRANE	PLFY-EL12NEMU-A	11,765.8	7,714.3	33-1/16" x 33-1/16" x 10-3/16	2
IDU-12	TRANE	PLFY-L08NFMU-A	7,843.9	5,142.8	22-7/16" x 22-7/16" x 8-3/16"	2
IDU-13	TRANE	PLFY-L12NFMU-A	11,765.8	7,714.3	22-7/16" x 22-7/16" x 8-3/16"	3
IDU-14	TRANE	PLFY-L12NFMU-A	11,765.8	7,714.3	22-7/16" x 22-7/16" x 8-3/16"	3
IDU-15	TRANE	PLFY-L08NFMU-A	7,843.9	5,142.8	22-7/16" x 22-7/16" x 8-3/16"	3
IDU-16	TRANE	PLFY-L08NFMU-A	7,843.9	5,142.8	22-7/16" x 22-7/16" x 8-3/16"	3
IDU-17	TRANE	PLFY-EL12NEMU-A	11,765.8	7,714.3	33-1/16" x 33-1/16" x 10-3/16	3
IDU-18	TRANE	PLFY-L08NFMU-A	7,843.9	5,142.8	22-7/16" x 22-7/16" x 8-3/16"	3

REMARKS:
1. INDOOR UNIT IS TIED INTO HP-01
2. INDOOR UNIT IS TIED INTO HP-02
3. INDOOR UNIT IS TIED INTO HP-03

HEAT PUMP SYSTEM SCHEDULE

EQUIPMENT NUMBER	MANUFACTURER	MODEL	CORRECTED COOLING TOTAL CAPACITY (BTU/H)	CORRECTED HEATING CAPACITY (BTU/H)	NET DIMENSIONS W x D x H (IN)	VOLTS/HZ/PH	REMARKS
HP-01	TRANE	MXZ-SM60NL	59,034.1	38,822.8	41 11/32 x 13 x 52 11/16	208/230, 60, 1	1, 2
HP-02	TRANE	MXZ-SM60NL	58,829.2	38,514.2	41 11/32 x 13 x 52 11/16	208/230, 60, 1	1, 2
HP-03	TRANE	MXZ-SM60NL	58,413.9	38,431.4	41 11/32 x 13 x 52 11/16	208/230, 60, 1	1, 2

REMARKS:
1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB)
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB)

EXHAUST FAN SCHEDULE

EQUIPMENT NUMBER	MANUFACTURER	MODEL	FAN TYPE	AIRFLOW (CFM)	STATIC PRESSURE (IN WG)	POWER (WATTS)	SONES	AMPS	VOLTS/HZ/PH	REMARKS
EF-01	BROAN	LP510R	EXHAUST	100	0.25	11	1.2	0.23	120/60/1	1
EF-02	BROAN	LP510R	EXHAUST	100	0.25	11	1.2	0.23	120/60/1	1
EF-03	BROAN	LP510R	EXHAUST	100	0.25	11	1.2	0.23	120/60/1	2
EF-04	BROAN	LP510R	EXHAUST	100	0.25	11	1.2	0.23	120/60/1	2

REMARKS:
1. TURNS ON WITH LIGHT SWITCH
2. CONTINOUS USE

DIFFUSER AND GRILLE SCHEDULE

EQUIPMENT NUMBER	MANUFACTURER	MODEL	CFM (DESIGN FLOW)	TSP (IN WG)	NET DIMENSIONS (IN)	REMARKS
SG-01	GREENHECK	XG-5700	245	0.048	24" x 24"	1
SG-02	GREENHECK	XG-5700	245	0.048	24" x 24"	1, 3
SG-03	GREENHECK	XG-5700	175	0.025	24" x 24"	1
SG-04	GREENHECK	XG-5700	140	0.016	24" x 24"	1
SG-05	GREENHECK	XG-5700	140	0.016	24" x 24"	1
SG-06	GREENHECK	XG-5700	210	0.036	24" x 24"	1
SG-07	GREENHECK	XG-5700	140	0.016	24" x 24"	1
SG-08	GREENHECK	XG-5700	175	0.025	24" x 24"	1
SG-09	GREENHECK	XG-5700	80	0.014	24" x 24"	2
SG-10	GREENHECK	XG-5700	80	0.014	24" x 24"	2
SG-11	GREENHECK	XG-5700	80	0.014	24" x 24"	2
RG-01	GREENHECK	XG-RPF	547	0.023	24" x 12"	-
RG-02	GREENHECK	XG-RPF	149	0.023	8" x 8"	-
RG-03	GREENHECK	XG-RPF	178	0.023	10" x 10"	-
RG-04	GREENHECK	XG-RPF	149	0.023	8" x 8"	-
RG-05	GREENHECK	XG-RPF	237	0.041	10" x 10"	-
RG-06	GREENHECK	XG-RPF	178	0.023	10" x 10"	-
RG-07	GREENHECK	XG-RPF	77	0.041	8" x 8"	-
RG-08	GREENHECK	XG-RPF	265	0.023	12" x 12"	-
RG-09	GREENHECK	XG-RPF	265	0.023	12" x 12"	-

REMARKS:
1. 8" NECK ALUMINUM CEILING DIFFUSER
2. 6" NECK ALUMINUM CEILING DIFFUSER
3. PAINTED TO MATCH TIN CEILING

HEATING AND COOLING UNIT SCHEDULE

EQUIPMENT NUMBER	MANUFACTURER	MODEL	FUEL	CFM	HEATING INPUT (BTU/HR)	COOLING (NPUT (TONS)	REFRIDGERANT TYPE	MOCP	MCA	VOLTS/HZ/PH	REMARKS
HCU-01	GOODMAN	GM9S801205DN, CAPTA6030D3	GAS	2030	120,000	5	R-32	20	15.3	120/60/1	1

REMARKS:
1. UPFLOW, HORIZONTAL LEFT

CONDENSING UNIT SCHEDULE

EQUIPMENT NUMBER	MANUFACTURER	MODEL	COOLING (TONS)	NET DIMENSIONS W x D x H (IN)	MCA	FLA	MOCP	VOLTS/HZ/PH	REMARKS
CU-01	GOODMAN	GLXS4BA6010	60,000	35 1/2 x 35 1/2 x 39 1/2	32.4	2.6	50.0	208/230, 60, 1	-

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MECHANICAL
MUNICIPAL BUILDING
HVAC
SCHEDULES

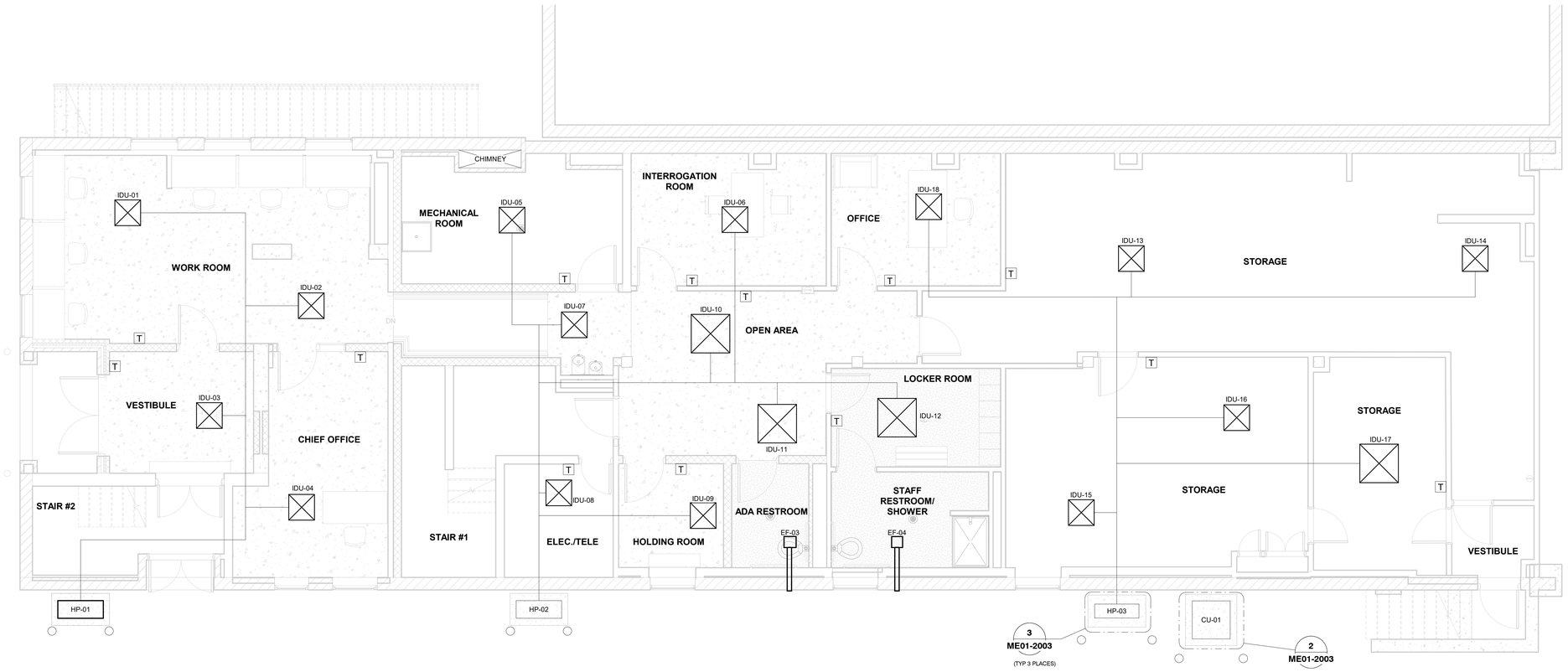
DATE:	MAR 2025
DRAWN BY:	G. LAWRENCE
DWG SCALE:	NTS
CHECKED BY:	B. BANE
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DAVID RICHARD POSNEY
ENGINEER
PE045541E

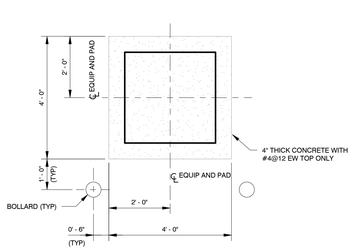
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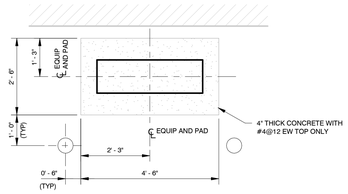
NOTES
1. DUE TO THE NATURE OF THE RENOVATION, INSULATION VALUES CANNOT BE DEFINITIVELY CALCULATED. UNITS WERE SIZED ASSUMING THE FOLLOWING VALUES:
   A. WALLS: R-4 VALUE
   B. CEILINGS: R-2 VALUE
2. DESIGN SETPOINT TEMPERATURES ARE AS FOLLOWS
   A. OCCUPIED SPACES:
      - WINTER: 67°F
      - SUMMER: 80°F
   B. UNOCCUPIED SPACES:
      - WINTER: 43°F
      - SUMMER: 95°F
3. LINEWORK SHOWN FROM HPU TO IDU DENOTES REFRIGERANT SUPPLY AND RETURN.
4. REFER TO TRANE SUBMITTAL DESIGN VIEW PIPING DIAGRAMS FOR LIQUID/GAS LINE SIZES FOR HEAT PUMPS AND CORRESPONDING IDU'S.
5. ALL OUTDOOR UNITS TO BE PLACED ON CONCRETE HOUSE KEEPING PAD.



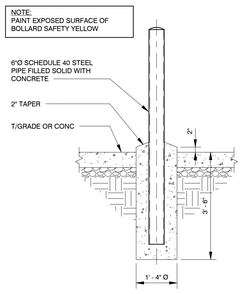
BASEMENT
1/4" = 1'-0"



2 DETAIL
ME01-2003 1/2" = 1'-0"



3 DETAIL
ME01-2003 1/2" = 1'-0"



PIPE BOLLARD
1/2" = 1'-0"

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
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MECHANICAL
MUNICIPAL BUILDING
HVAC
PLAN VIEW - BASEMENT

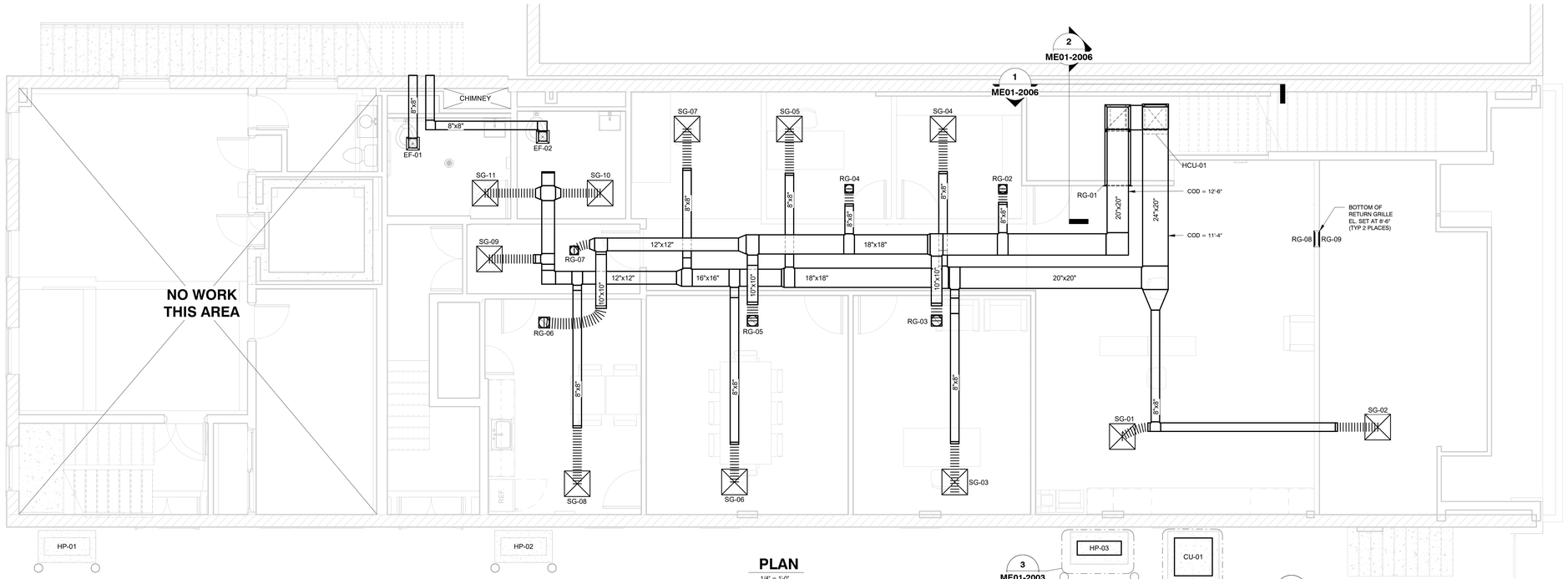
DATE:	MAR 2025
DWG SCALE:	AS SHOWN
DRAWN BY:	G. LAWRENCE
CHECKED BY:	B. BANE
PROJECT NO.:	347-133
APPROVED BY:	R. SUSALLA

COMMONWEALTH OF PENNSYLVANIA
REGISTERED
DAVID RICHARD POSNEY
ENGINEER
PE045541E

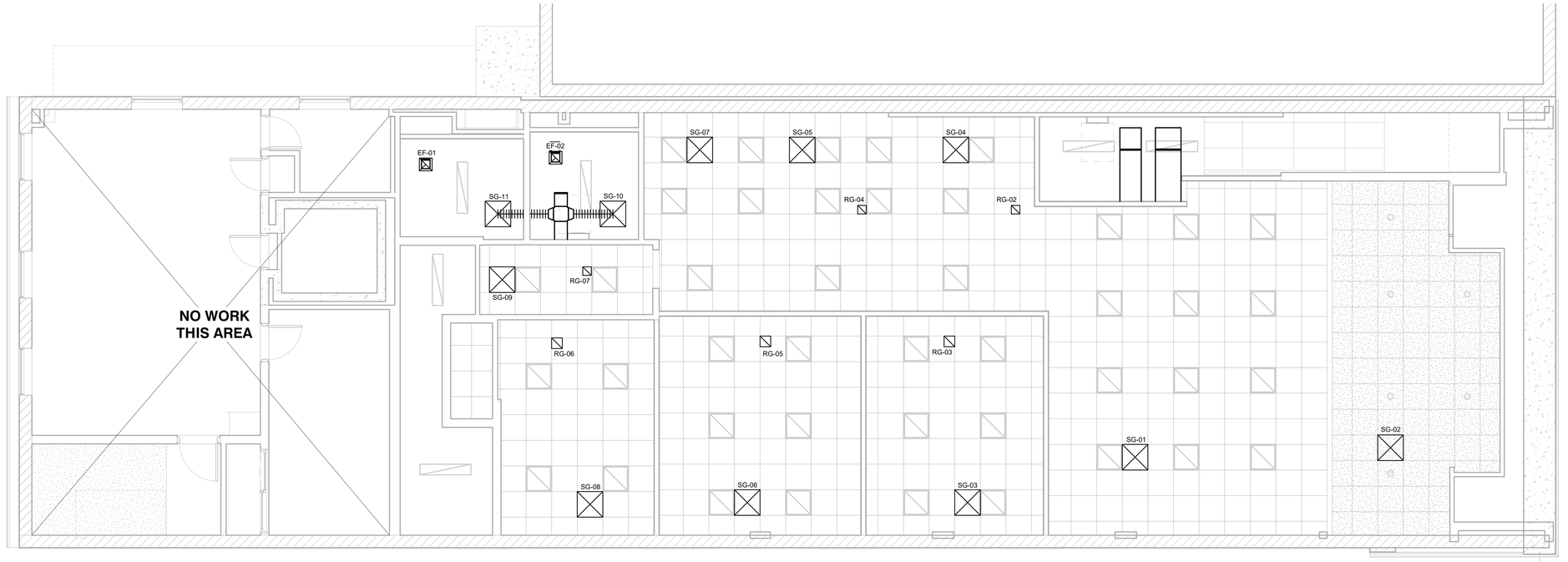
DRAWING NO.:
ME01-2003
SHEET OF

NORTH

NOTES
1. ALL OUTDOOR UNITS TO BE PLACED ON HOUSE KEEPING PAD



PLAN
1/4" = 1'-0"



REFLECTED CEILING PLAN
1/4" = 1'-0"

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
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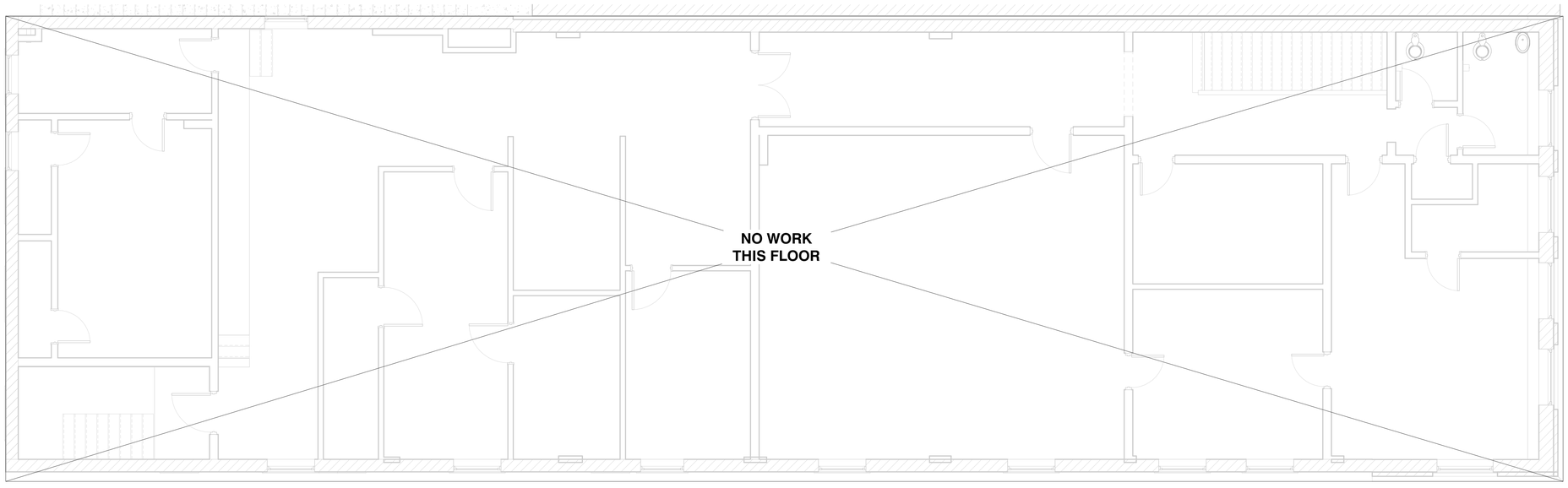
MECHANICAL
MUNICIPAL BUILDING
HVAC
PLAN VIEW - FIRST FLOOR

DATE:	MAR 2025
DWG SCALE:	AS SHOWN
PROJECT NO:	347-133
DRAWN BY:	G. LAWRENCE
CHECKED BY:	B. BANE
APPROVED BY:	R. SUSALLA

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DAVID RICHARD POSNEY
ENGINEER
PE045541E

DRAWING NO.:
ME01-2004
SHEET OF

NORTH



2ND FLOOR
1/4" = 1'-0"

REVISION RECORD

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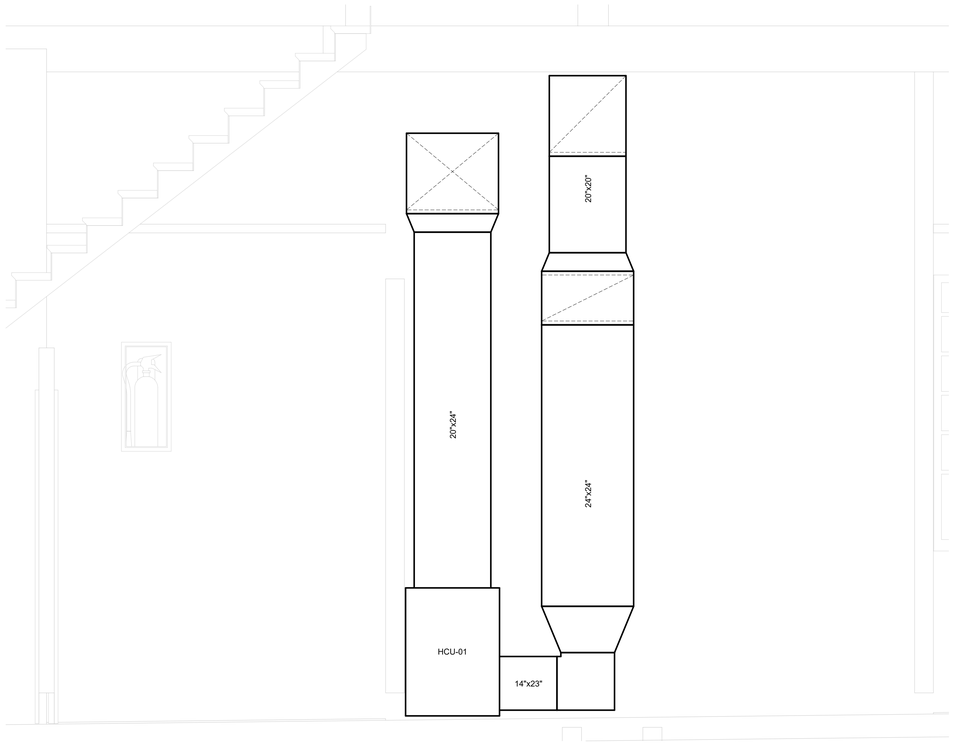
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MECHANICAL
MUNICIPAL BUILDING
HVAC
PLAN VIEW - SECOND FLOOR

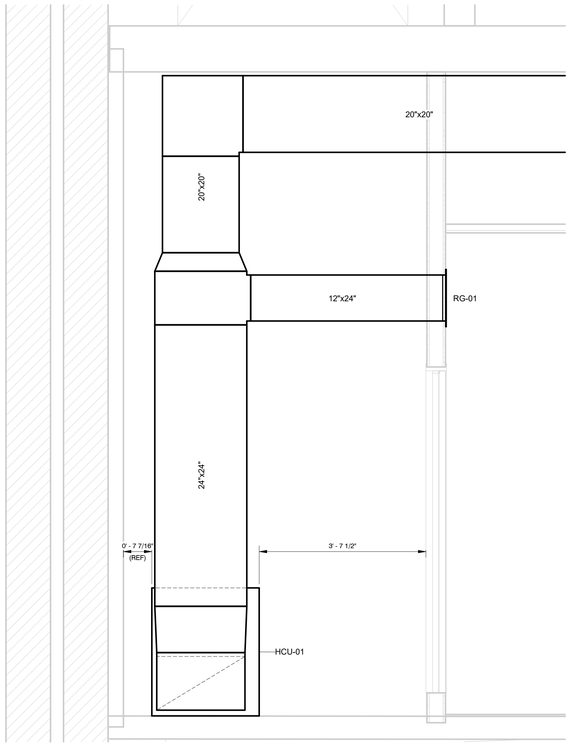
DATE:	MAR 2025
DRAWN BY:	G. LAWRENCE
DWG SCALE:	AS SHOWN
CHECKED BY:	B. BANE
PROJECT NO:	347-133
APPROVED BY:	R. SUSALLA

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DAVID RICHARD POSNEY
ENGINEER
PE045418
PENNSYLVANIA

DRAWING NO.:
ME01-2005
SHEET OF



1 **SECTION**
ME01-2004 3/4" = 1'-0"



2 **SECTION**
ME01-2004 3/4" = 1'-0"

REVISION RECORD

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424 MAIN STREET
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MECHANICAL
MUNICIPAL BUILDING
HVAC
SECTIONS

DATE:	MAR 2005
DRAWN BY:	G. LAWRENCE
DWG SCALE:	AS SHOWN
CHECKED BY:	B. BANE
PROJECT NO:	347-193
APPROVED BY:	R. SUSALLA

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
DAVID RICHARD POSNEY
ENGINEER
PE045411
PENNSYLVANIA

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Civil & Environmental Consultants, Inc.

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DRAWING INDEX

DRAWING NUMBER	SHEET NUMBER
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EL01-6010	BASEMENT LIGHTING PLAN
EL01-6011	1ST FLOOR LIGHTING PLAN

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	J. CIMOCHINO	E. HULINGS	BID/PERMIT SET

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IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA

ELECTRICAL
OVERALL SITE / GENERAL INFORMATION
DRAWING
INDEX

DATE:	MAR 2025
DWG SCALE:	AS SHOWN
DRAWN BY:	A. RAMEY
CHECKED BY:	E. HULINGS
PROJECT NO:	347-133
APPROVED BY:	B. MYERS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ERIC R. HULINGS
ENGINEER
PE074454
2025.04.01 13:08:33-04'00'

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EL00-0000
SHEET 1 OF 1

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER IN FULL COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL LOCAL AND STATE REQUIREMENTS.
2. ALL SPECIFICATIONS AND DRAWINGS, I.E., ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL ARE COMPLIMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION. ANY INFORMATION CONFLICTS WITHIN THE SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. THEY ARE INTENDED TO SHOW THE APPROXIMATE LOCATIONS OF EQUIPMENT AND RACEWAY.
3. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING THEIR OWN MATERIAL TAKE-OFFS.
4. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK THAT CONFORMS WITH THE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) SAFETY AND HEALTH STANDARDS FOR THE CONSTRUCTION INDUSTRY.
5. SHOULD THE CONTRACTOR DETECT ANY DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND LEGAL OR SAFETY REQUIREMENTS FOR THE PROJECT, HE SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING. ONCE NOTIFIED THE ENGINEER SHALL MODIFY THE CONTRACT DOCUMENTS ACCORDINGLY.
6. BEFORE BEGINNING WORK, LAY OUT AND MARK EQUIPMENT LOCATIONS FOR APPROVAL BY THE OWNER.
7. EQUIPMENT SHALL FIT INTO THE SPACE ALLOTTED AND SHALL ALLOW ADEQUATE CLEARANCE FOR ENTRY, INSTALLATION, REPLACEMENT, SERVICING, AND MAINTENANCE. CLEARANCES SHALL COMPLY WITH NATIONAL ELECTRICAL CODE. COORDINATE EQUIPMENT WITH WORK BY OTHER TRADES. FIELD VERIFY DIMENSIONS AND FIELD CONDITIONS. INSTALLATION SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE CODES, DIMENSIONS ON THE DRAWINGS, AND SPECIFICATION REQUIREMENTS.
8. MAINTAIN SEPARATION OF EMERGENCY CIRCUIT WIRING FROM NORMAL CIRCUIT WIRING AND STANDBY CIRCUIT WIRING, IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.
9. MAINTAIN SEPARATION OF POWER WIRING, INSTRUMENTATION/CONTROL, AND TELECOMMUNICATIONS CABLES IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.
10. UNLESS COORDINATED IN ADVANCE WITH OWNER; WORK THAT REQUIRES OUTAGES FOR CUTTING OF EXISTING LINES OR DE-ENERGIZATION OF EQUIPMENT SHALL BE ACCOMPLISHED OUTSIDE OF NORMAL OWNER WORKING HOURS AS SCHEDULED BY THE OWNER, AT NO ADDITIONAL COST TO THE OWNER. OUTAGES SHALL BE KEPT TO THE SHORTEST POSSIBLE LENGTH OF TIME.
11. PENETRATIONS THROUGH FIRE RATED FLOORS OR FIRE RATED WALLS SHALL BE SEALED TO MAINTAIN THE FLOORS' AND WALLS' FIRE RATING INTEGRITY WITH UL LISTED PENETRATION FIRESTOP ASSEMBLIES.
12. COORDINATE FLOOR AND ROOF PENETRATIONS WITH FIELD CONDITIONS, OTHER TRADES, AND ARCHITECTURAL/STRUCTURAL WORK. LOCATE PENETRATIONS SO AS NOT TO AFFECT STRUCTURAL INTEGRITY, WEATHER TIGHTNESS, AND FIRE RATING.
13. PULL BOXES AND JUNCTION BOXES SHALL HAVE DIMENSIONS AND CAPACITIES NO LESS THAN NATIONAL ELECTRICAL CODE REQUIREMENTS, AND SHALL BE ENLARGED WHERE NECESSARY TO ACCOMMODATE THE CONDUCTORS, CABLES, AND RACEWAYS REQUIRED. CONDUIT BENDS SHALL HAVE A RADIUS NO LESS THAN 10 TIMES CONDUIT DIAMETER, OR 125% OF MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTORS/CABLES CONTAINED IN CONDUIT, WHICHEVER IS GREATER.
14. PROPERLY SUPPORT AND ANCHOR ELECTRICAL EQUIPMENT IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS. ANCHOR FLOOR MOUNTED EQUIPMENT TO FLOOR. MOUNT EQUIPMENT DESIGNED FOR WALL MOUNTING TO WALL OR STEEL STRUT SUPPORT ASSEMBLY, SUITABLE FOR THE EQUIPMENT TO BE SUPPORTED. REINFORCE WALLS AND STEEL STRUT WHERE REQUIRED FOR THE EQUIPMENT PROVIDED. PROVIDE SEISMIC BRACING IN ACCORDANCE WITH APPLICABLE CODES.

ABBREVIATIONS

AB.	DESCRIPTION
1P	1 POLE (2P, 3P, 4P, ETC.)
A	AMPERE
AC	ABOVE COUNTER OR AIR CONDITIONER
ACLG	ABOVE CEILING
ADO	AUTOMATIC DOOR OPENER
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GARAGE
AFI	ARC FAULT CIRCUIT INTERRUPTER
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
AMPL	AMPLIFIER
ANNUN	ANNUNCIATOR
APPROX	APPROXIMATELY
AQ-STAT	AQUASTAT
ARCH	ARCHITECT,ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BD	BOARD
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAB	CABINET
CAT	CATALOG
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CMPR	COMPRESSOR
COMB	COMBINATION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUATION OR CONTINUOUS
CONTR	CONTRACTOR
CONV	CONVECTOR
CP	CIRCULATING PUMP
CRT	CATHODE-RAY TUBE
CT	CURRENT TRANSFORMER
CTR	CENTER
CU	COPPER
DCP	DOMESTIC WATER CIRCULATING PUMP
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DPR	DAMPER
DS	SAFETY DISCONNECT SWITCH
DT	DOUBLE THROW
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRIC PNEUMATIC
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FU	FUSE
FUDS	FUSED SAFETY DISCONNECT SWITCH
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GND	GROUND
GRS	GALVANIZED RIGID STEEL (CONDUIT)
GYP BD	GYPSUM BOARD
HOA	HANDS-OFF-AUTOMATIC SWITCH
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HWP	HYDRONIC WATER PUMP
I/W	INTERLOCK WITH
IC	INTERRUPTING CAPACITY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
IR	INFRARED
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR

ABBREVIATIONS

AB.	DESCRIPTION
LOC	LOCATE OR LOCATION
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LV	LOW VOLTAGE
M/C	MOMENTARY CONTACT
MAG.S	MAGNETIC STARTER
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDC	MAIN DISTRIBUTION CENTER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MFS	MAIN FUSED DISCONNECT SWITCH
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MMS	MANUAL MOTOR STARTER
MOA	MULTIOUTLET ASSEMBLY
MSBD	MAIN SWITCHBOARD
MSP	MOTOR STARTER PANELBOARD
MT	MOUNT
MT.C	EMPTY CONDUIT
MTR	MOTOR, MOTORIZED
MTS	MANUAL TRANSFER SWITCH
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFDS	NON-FUSED SAFETY DISCONNECT SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NPF	NORMAL POWER FACTOR
NTS	NOT TO SCALE
OH	OVERHEAD
OL	OVERLOADS
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSHBUTTON
PE	PNEUMATIC ELECTRIC
PED	PEDESTAL
PF	POWER FACTOR
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL
PP	POWER POLE
PROJ	PROJECTION
PRV	POWER ROOF VENTILATOR
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE (CONDUIT)
PWR	POWER
QUAN	QUANTITY
RCPT	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RSC	RIGID STEEL CONDUIT
RTU	ROOF TOP UNIT
S/N	SOLID NEUTRAL
S/S	STOP/START PUSHBUTTONS
SC	SURFACE CONDUIT
SEC	SECONDARY
SHT	SHEET
SIM	SIMILAR
SP	SPARE
SPEC	SPECIFICATION
SPKR	SPEAKER
SR	SURFACE RACEWAY
SS	STAINLESS STEEL
SSW	SELECTOR SWITCH
STA	STATION
STD	STANDARD
SURF	SURFACE MOUNTED
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
SYS	SYSTEM
T-STAT	THERMOSTAT
TEL	TELEPHONE
TEL/DATA	TELEPHONE/ DATA
TERM	TERMINAL
TL	TWIST LOCK
TR	TAMPER RESISTANT
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TVTC	TELEVISION TERMINAL CABINET
TYP	TYPICAL
UC	UNDER COUNTER
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UT	UNDERGROUND TELEPHONE
UTIL	UTILITY
UV	UNIT VENTILATOR OR ULTRAVIOLET
V	VOLT
VA	VOLT-AMPERES
VDT	VIDEO DISPLAY TERMINAL
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WATT
W/	WITH
W/O	WITHOUT
WG	WIRE GUARD
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFR	TRANSFER
"	INCHES
#	NUMBER
'	FEET
<	ANGLE
@	AT
C	CENTERLINE
P	PLATE
Ø	PHASE
▲	DELTA

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ERIC R. HULINGS
ENGINEER
PE084455
2026.04.21 13:03:05-04'00'

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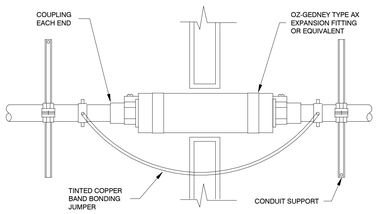
ELECTRICAL
OVERALL SITE / GENERAL INFORMATION
LEGEND, NOTES & ABBREVIATIONS

DATE:	MAR 2025
DWG SCALE:	AS SHOWN
PROJECT NO.	347-133
DRAWN BY:	A. RAMEY
CHECKED BY:	E. HULINGS
APPROVED BY:	B. MYERS

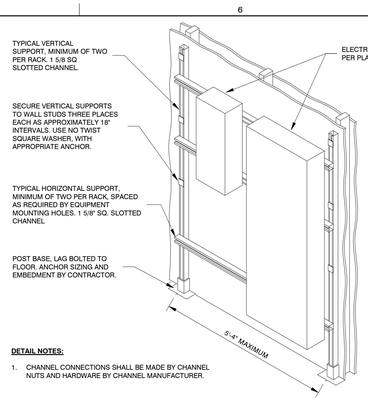
DRAWING NO.:
EL00-1000
SHEET 1 OF 1

DETAIL NOTES:

1. SPACE MULTIPLE CONDUIT INSTALLATIONS TO ACCOMMODATE DEFLECTION/EXPANSION FITTING.



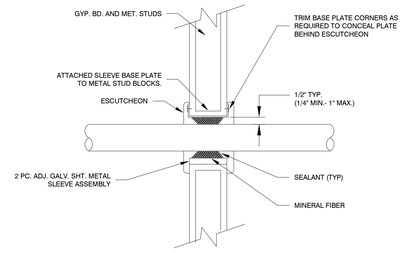
PD01 CONDUIT EXPANSION FITTING
NTS



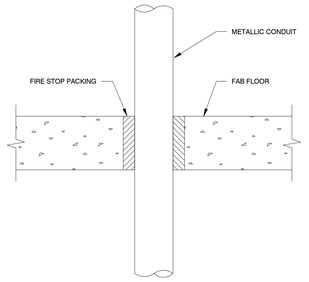
DETAIL NOTES:

1. CHANNEL CONNECTIONS SHALL BE MADE BY CHANNEL NUTS AND HARDWARE BY CHANNEL MANUFACTURER.

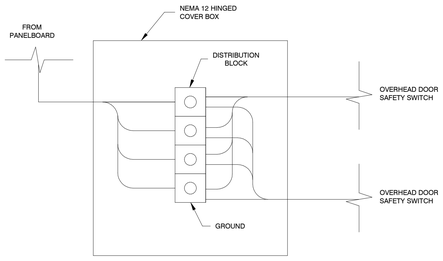
PD02 WALL RACK CONSTRUCTION
NTS



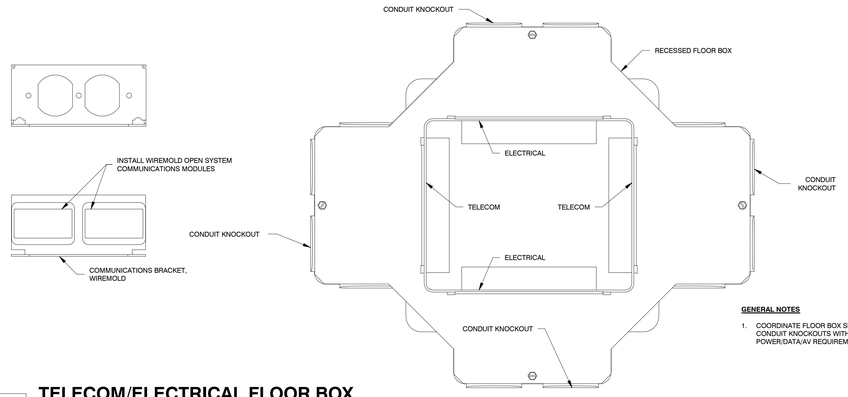
PD03 CONDUIT THRU GYPBOARD FIRE WALL
NTS



PD04 CONDUIT FLOOR PENETRATION
NTS



PD05 TAP BOX DETAIL
NTS



GENERAL NOTES

1. COORDINATE FLOOR BOX SIZE AND CONDUIT KNOCKOUTS WITH POWER/DATA/AV REQUIREMENTS.

PD06 TELECOM/ELECTRICAL FLOOR BOX
NTS

GENERAL POWER DISTRIBUTION NOTES:

1. WORK SHALL BE DONE IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL CODES.
2. THE INSTALLER IS RESPONSIBLE FOR THE SUPPORTS OF CONDUIT, RECEPTACLES AND ELECTRICAL EQUIPMENT.
3. THE INSTALLER SHALL PROVIDE CONDUIT FITTINGS AS REQUIRED.
4. RECEPTACLES AND WIRING DEVICES SHALL BE GROUNDED.
5. 120V & 240V CIRCUITS - 2#12 & 1 #12G 90 C TYPE MC (UNLESS OTHERWISE NOTED).
6. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL TAKE-OFFS, INCLUDING PANELS, CONDUIT, CABLE, AND RECEPTACLES.
7. POWER PLAN DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE APPROXIMATE LOCATION OF RECEPTACLES, PANELS, ETC. WHEN NECESSARY, THE CONTRACTOR SHALL DEVIATE FROM THE ARRANGEMENT INDICATED TO MEET STRUCTURAL CONDITIONS OR TO CLEAR WORK OF OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL LOCATION OF THE ELECTRICAL SYSTEM.
8. THE POWER PLANS DO NOT SHOW RACEWAYS AND CONDUCTORS BETWEEN, RECEPTACLES, PANELS, ETC. HOWEVER, THE CONTRACTOR SHALL FURNISH AND INSTALL THESE CONNECTIONS IN ACCORDANCE WITH THE ASSIGNED FIXTURE OR CIRCUIT NUMBER AND PANEL DESIGNATIONS.
9. WIRE SIZES SHALL BE INCREASED AS REQUIRED TO AVOID EXCESSIVE VOLTAGE DROP GREATER THAN 3%.
10. EACH 120VAC CIRCUIT SHALL HAVE A DEDICATED NEUTRAL. THERE SHALL BE NO SHARED NEUTRALS.
11. ALL ELECTRICAL EQUIPMENT SHALL BE FURNISHED WITH NAMEPLATES. NAMEPLATES TO BE SCREW MOUNTED BLACK LAMINATED PLASTIC WITH WHITE LETTERS.
12. THE CONTRACTOR SHALL FURNISH ALL MISCELLANEOUS MATERIALS SUCH AS LOCKNUTS, BUSHINGS, CONDUIT SUPPORTS, CONDULETS, BOXES, ETC. AS REQUIRED.
13. ALL EXPOSED CONDUIT TYPES SHALL BE PER THE DETAILS UNLESS INDICATED ELSEWHERE ON PLAN DRAWINGS.
14. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUST BE FIRE STOPPED WITH AN APPROVED MATERIAL. CONDUITS MAY PENETRATE WALLS OR PARTITIONS, PROVIDED THEY ARE FIRE-STOPPED.

POWER DISTRIBUTION LEGEND

SYMBOLS	DESCRIPTION
-P-	UTILITY SERVICE POWER POLE (SITE)
-J-	JUNCTION BOX
PB	PULL BOX
T	TRANSFORMER
	240V OR 208V LIGHT/ RECEPTACLE PANEL
	480V POWER DISTRIBUTION PANEL
XX-1	MOTOR (HP OR KW VALUES SHOWN ON PLAN DRAWINGS)
E	ELECTRICAL CONNECTION (NON-MOTOR LOAD)
	NON-FUSED DISCONNECT SWITCH, MINIMUM 100,000 AMPERES SCCR. SEE BLOCK DIAGRAM DRAWINGS FOR SWITCH RATINGS NOT SHOWN ON PLANS
	FUSED DISCONNECT SWITCH MINIMUM 100,000 AMPERES SCCR. SEE BLOCK DIAGRAM DRAWINGS FOR SWITCH FRAME SIZE. FUSE RATINGS SIZED BY CONTRACTOR
	COMBINATION LOCAL CONTROLLER, FUSED SAFETY SWITCH, MINIMUM 100,000 AMPERES SCCR. SEE BLOCK DIAGRAM DRAWINGS FOR SWITCH FRAME SIZE. FUSE RATINGS SIZED BY CONTRACTOR.
	120VAC COMBINATION MOTOR STARTER/LOCKABLE DISCONNECT SWITCH, NEMA 4 ENCLOSURE, PROVISIONS FOR REMOTE 120VAC START/STOP CONTROL WIRING, NEMA 0 SIZE STARTER
	TWO DUPLEX (QUAD) RCPTS MOUNTED IN A TWO GANG BOX, UNLESS INDICATED OR DESIGNATED OTHERWISE, RCPTS ARE FLUSH MTD, 20A, 125V, 1PH, 2P, 3W, NEMA 5-20R, MH 18" AFF
	DUPLEX (QUAD) RCPTS MOUNTED IN A TWO GANG BOX. UNLESS INDICATED OR DESIGNATED OTHERWISE, RCPTS ARE FLUSH MTD, 20A, 125V, 1PH, 2P, 3W, NEMA 5-20R, MH 18" AFF
	TWO DUPLEX (QUAD) RCPTS MOUNTED IN A TWO GANG BOX, UNLESS INDICATED OR DESIGNATED OTHERWISE, RCPTS ARE FLOOR MTD, 20A, 125V, 1PH, 2P, 3W, NEMA 5-20R
	SIMPLEX RCPTS. UNLESS INDICATED OR DESIGNATED OTHERWISE, RCPTS ARE FLUSH MTD, 20A, 125V, 1PH, 2P, 3W, NEMA 5-20R, MH 18" AFF. RECEPTACLE SHALL INCLUDE A LOCKABLE WHILE-IN-USE COVER.
	3 PHASE 480V SPECIAL PURPOSE RCPT WITH ENCLOSED SAFETY SWITCH, UNLESS INDICATED OTHERWISE, MH 48" AFF CENTER

DESIGNATION	RECEPTACLE ANCILLARIES
LP-SW, 13	PANELBOARD WITH BRANCH CIRCUIT NUMBER (CIRCUIT 13 IN THIS EXAMPLE)
WP	WEATHER-RESISTANT, WEATHERPROOF WITH WHILE-IN-USE COVER
EP	EXPLOSION PROOF TYPE RATED FOR AREA CLASSIFICATION INSTALLED IN
G	GFCI TYPE, WIRED FOR GFCI TRIP FOR DESIGNATED RCPT ONLY (NON-FEED-THRU INSTALLATION)
GF	GFCI TYPE, WIRED FOR GFCI PROTECTION OF RCPT AND ALL RCPTS DOWNSTREAM ON SAME CIRCUIT (FEED-THRU INSTALLATION)
H50	DENOTES MOUNTING HEIGHT IN INCHES ABOVE FLOOR TO CENTER, 50" AFF IN THIS EXAMPLE
C6	DENOTES MOUNTING HEIGHT IN INCHES ABOVE COUNTER TO CENTER, 6" ACT IN THIS EXAMPLE
TR	TAMPER RESISTANT TYPE RCPT
IG	ISOLATED GROUNDING TYPE RCPT
SPD	SURGE PROTECTIVE DEVICE TYPE RCPT

CABLE IDENTIFICATION

CABLE NUMBER	NOISE LEVEL
• W00000 - W09999	LEVEL 0 - NETWORK 1. FIBER CABLES 2. ETHERNET CABLES
• W10000 - W19999	LEVEL 1 - DC CIRCUITS 1. 24VDC - 125VDC 2. 4-20mA
• W20000 - W29999	LEVEL 2 - AC CONTROL CIRCUITS 1. 120V - 240V AC CONTROL
• W30000 - W39999	LEVEL 3 - LOW VOLTAGE POWER 1. POWER CABLES ≤1000V
• W40000 - W49999	LEVEL 4 - MEDIUM VOLTAGE POWER 1. POWER CABLES 1001V - 5000V
• W50000 - W59999	LEVEL 5 - MEDIUM VOLTAGE POWER 1. POWER CABLES 5001V - 15000V
• W60000 - W69999	LEVEL 6 - MEDIUM VOLTAGE POWER 1. POWER CABLES 15001V - 25000V
• W70000 - W79999	LEVEL 7 - MEDIUM VOLTAGE POWER 1. POWER CABLES ≥ 25001V

*VENDOR PROVIDED CABLE CONNECTIONS SUPERSEDE THIS TABLE

NOTES:

1. ALL EXPOSED CONDUIT TYPES SHALL BE PER THE DETAILS UNLESS INDICATED ELSEWHERE ON PLAN DRAWINGS.

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER PE044594 ERIC R. HULINGS
2025.04.21 13:10:13-04'00'

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DETAILS

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DRAWING NO.:
EL00-5000
SHEET 1 OF 1

LIGHT FIXTURE BILL OF MATERIAL

TYPE	DESCRIPTION	WATTS	COLOR TEMP.	VOLTAGE	LAMP	MOUNTING	MANUFACTURER	MODEL NUMBER
E1	EXIT SIGN W/ BATTERY BACKUP - RED LETTERS - SINGLE FACE	2.7 W		120 V	LED	WALL	LITHONIA LIGHTING	LHQM S W 3 R HORO
E2	EMERGENCY EXIT LIGHTS W/ SINGLE HEAD	6.6 W	5000 K	120 V	LED	WALL	LITHONIA LIGHTING	ELMRE LP220L SGL
E3	EMERGENCY EXIT LIGHTS W/ DUAL HEADS	6.6 W	5000 K	120 V	LED	WALL	LITHONIA LIGHTING	ELMRE LP220L T
P1	20' SUSPENDED PENDANT	12 W	4000 K	120 V	LED	SUSPENDED	BLACKJACK	SP DOM FR 20 WG 40K 12W SP5 144
S1	LOW PROFILE LED WRAPAROUND	36 W	4000 K	120 V	LED	SURFACE	LITHONIA LIGHTING	FMLWL 48 840 ZT MVOLT
T2	LED LAY IN, 2000 LUMEN, CURVED OPAL LENS, 80 CRI	16.8 W	4000 K	120 V	LED	RECESSED	HOLOPHANE	HVTS 2X2 2000LM 80CRI 40K COL MIN10 MVOLT
T3	LED LAY IN, 3000 LUMEN, CURVED OPAL LENS, 80 CRI	24.2 W	4000 K	120 V	LED	RECESSED	HOLOPHANE	HVTS 2X2 3000LM 80CRI 40K COL MIN10 MVOLT

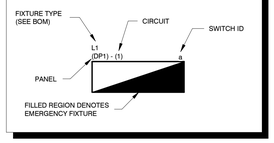
GENERAL LIGHTING NOTES:

1. WORK SHALL BE DONE IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL CODES.
2. THE INSTALLER IS RESPONSIBLE FOR THE SUPPORTS OF CONDUIT, LIGHTING FIXTURES AND ELECTRICAL EQUIPMENT.
3. THE INSTALLER SHALL PROVIDE CONDUIT FITTINGS AS REQUIRED.
4. LIGHTING FIXTURES AND WIRING DEVICES SHALL BE GROUNDED.
5. 120V LIGHTING - 2-#12 & 1-#12G 90°C, THHN, TYPE MC (UNLESS OTHERWISE NOTED).
6. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL TAKE-OFFS, INCLUDING PANELS, CONDUIT, CABLE, AND LIGHTING FIXTURES.
7. LIGHTING DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE APPROXIMATE LOCATION OF LIGHTING FIXTURES, PANELS, ETC. WHEN NECESSARY, THE CONTRACTOR SHALL DEVIATE FROM THE ARRANGEMENT INDICATED TO MEET STRUCTURAL CONDITIONS OR TO CLEAR WORK OF OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR THE FINAL LOCATION OF THE LIGHTING SYSTEM.
8. THE LIGHTING PLANS DO NOT SHOW RACEWAYS AND CONDUCTORS BETWEEN, LIGHTING FIXTURES, PANELS, ETC. HOWEVER, THE CONTRACTOR SHALL FURNISH AND INSTALL THESE CONNECTIONS IN ACCORDANCE WITH THE ASSIGNED FIXTURE OR CIRCUIT NUMBER AND PANEL DESIGNATIONS.
9. WIRE SIZES SHALL BE INCREASED AS REQUIRED TO AVOID EXCESSIVE VOLTAGE DROP GREATER THAN 3%.
10. EACH 120VAC CIRCUIT SHALL HAVE A DEDICATED NEUTRAL. THERE SHALL BE NO SHARED NEUTRALS.
11. EXIT SIGNS SHALL BE MOUNTED APPROXIMATELY 2'-0" ABOVE THE TOPS OF DOORS AND CENTERED WITH DOOR OPENING. EXIT SIGNS IN LOCATIONS OTHER THAN AT DOORS SHALL BE MOUNTED 8'-0" ABOVE FINISHED FLOOR OR ADJUST THIS HEIGHT TO ACCOMMODATE ANY VISUAL OBSTACLES.
12. ALL LIGHTING EQUIPMENT SHALL BE FURNISHED WITH NAMEPLATES. NAMEPLATES TO BE SCREW MOUNTED BLACK LAMINATED PLASTIC WITH WHITE LETTERS.
13. THE CONTRACTOR SHALL FURNISH ALL MISCELLANEOUS MATERIALS SUCH AS LOCKNUTS, BUSHINGS, CONDUIT SUPPORTS, CONDULETS, BOXES, ETC. AS REQUIRED.
14. LIGHT FIXTURES AND OTHER APPARATUS SUPPORTED BY THE ACOUSTICAL CEILING GRID MUST MEET THE REQUIREMENTS OF NEC SECTION 410.36, MEANS OF SUPPORT.
15. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE UL FIRE RATED LABEL. FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE UL FIRE RESISTANCE DIRECTORY, AND SHALL INCLUDE A FIRE RATED ENCLOSURE INSTALLED OVER THE FIXTURE THAT MEETS THE REQUIREMENTS OF THE UL FIRE RESISTANCE DIRECTORY.

LIGHTING LEGEND

SYMBOLS	DESCRIPTION
	LINEAR LIGHT (TYPE DENOTED)
	SURFACE LIGHT (TYPE DENOTED)
	HIGH BAY LIGHT
	POLE MOUNTED LIGHT
	STANCHION MOUNTED LIGHT
	EMERGENCY BATTERY PACK
	REMOTE LAMP- 2 HEADS
	REMOTE LAMP- 1 HEAD
	EXIT SIGN
S	SINGLE POLE SWITCH
S^2	2 POLE SINGLE THROW SWITCH
S^3	3-WAY SWITCH
S^4	4-WAY SWITCH
S^K	KEYED SWITCH
S^D	DIMMER SWITCH
S^{OC}	OCCUPANCY SENSOR SWITCH

LIGHTING IDENTIFICATION



REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	J. GIACOMINO	E. HULINGS	BID/PERMIT SET

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BOROUGH OF IRWIN
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424 MAIN STREET
IRWIN, PA

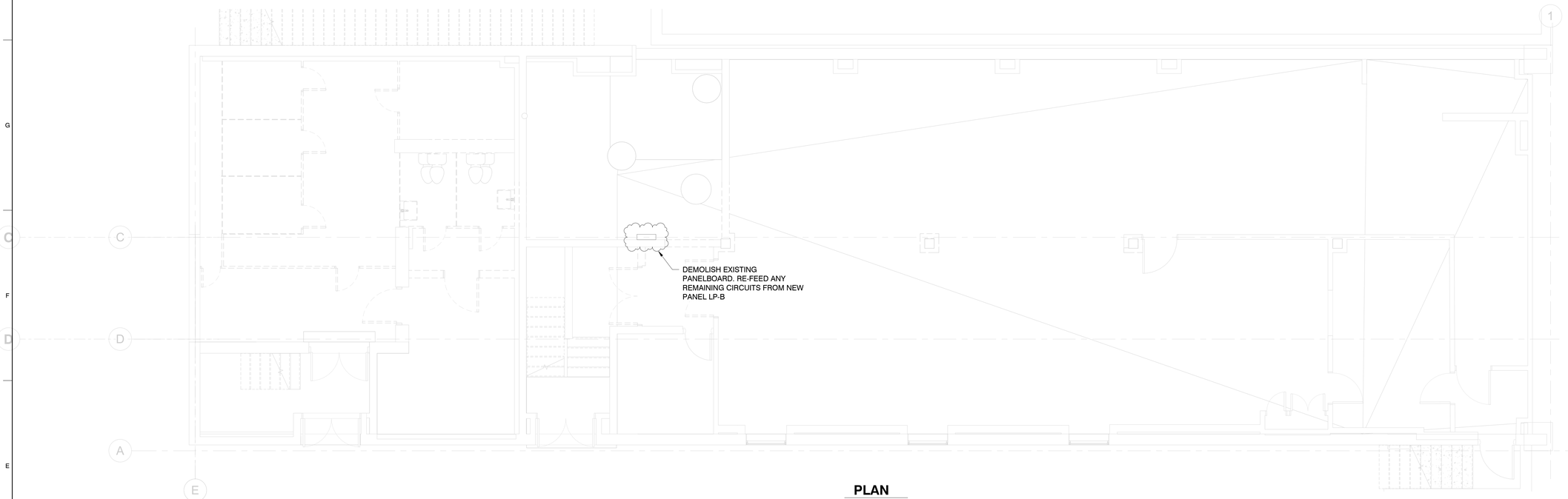
ELECTRICAL
OVERALL SITE / GENERAL INFORMATION
LIGHTING
NOTES, LEGEND & BILL OF MATERIAL

DATE:	MAR 2025
DWG SCALE:	AS SHOWN
DRAWN BY:	A. RAMEY
CHECKED BY:	E. HULINGS
PROJECT NO:	347-133
APPROVED BY:	B. MYERS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ERIC R. HULINGS
ENGINEER
PE059455
2025.04.23 13:10:41-04'00'

DRAWING NO.:
EL00-6000
SHEET 1 OF 1

NORTH



PLAN
1/4" = 1'-0"

NOTES
1. ALL EXISTING LIGHTS AND RECEPTACLES LOCATED ON THE BASEMENT LEVEL SHALL BE DEMOLISHED.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ERIC R. HULINGS
ENGINEER
PE059455
2025.04.21 12:33:30-04'00'

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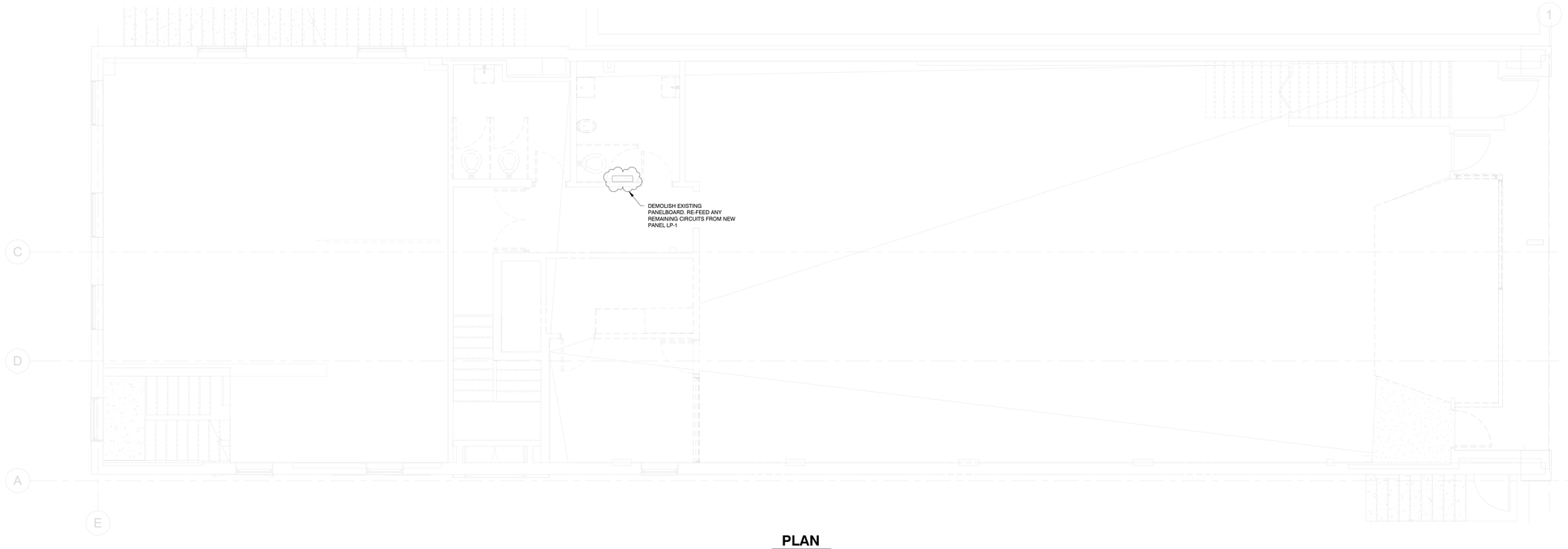
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA

ELECTRICAL
BASEMENT
DEMO PLAN

DATE:	MAR 2025
DWG SCALE:	AS SHOWN
DRAWN BY:	A. RAMEY
CHECKED BY:	E. HULINGS
PROJECT NO:	347-133
APPROVED BY:	B. MYERS

DRAWING NO.:
EL01-5000
SHEET 1 OF 1

NORTH



PLAN
1/4" = 1'-0"

NOTES
1. ALL EXISTING LIGHTS AND RECEPTACLES LOCATED ON THE FIRST FLOOR LEVEL SHALL BE DEMOLISHED EXCEPT THE RECEPTCLES IN THE POLICE AREA LOCATED AT THE WEST END OF THE BUILDING. THE RECEPTACLES IN THE POLICE AREA SHALL REMAIN AND BE RE-FED FROM THE NEW BASEMENT PANEL LP-B.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ERIC R. HULINGS
ENGINEER
PE064455
2025.03.31 13:11:04-04'00'

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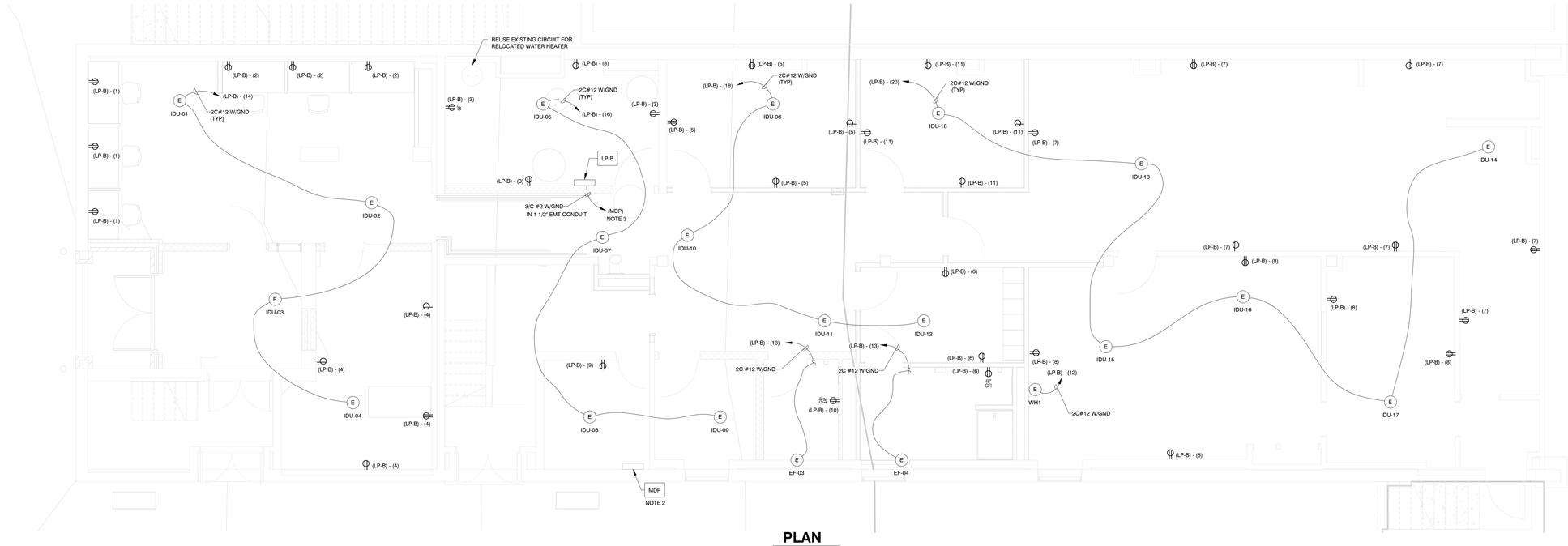
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA

ELECTRICAL
1ST FLOOR
DEMO PLAN

DATE:	MAR 2025
DRAWN BY:	A. RAMEY
DWG SCALE:	AS SHOWN
CHECKED BY:	E. HULINGS
PROJECT NO:	347-133
APPROVED BY:	B. MYERS

DRAWING NO.:
EL01-5001
SHEET 1 OF 1

NORTH



PLAN
1/4" = 1'-0"

PANEL: LP-B

LOCATION: MECH RM. 012
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/240
PHASES: 1
WIRES: 3

A.I.C. RATING: 10 kAIC
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:

CKT	DESCRIPTION	TRIP	POLES	A		C		POLES	TRIP	DESCRIPTION	CKT
1	RCPT - WORK ROOM 016	20 A	1	540 VA	540 VA			1	20 A	RCPT - WORK ROOM 016	2
3	RCPT - MECHANICAL ROOM 012	20 A	1			720 VA	720 VA	1	20 A	RCPT - CHIEF OFFICE 017	4
5	RCPT - INTERROGATION ROOM 008	20 A	1	720 VA	540 VA			1	20 A	RCPT REST & LOCKER RM. 006/007	6
7	RCPT - STORAGE 002	20 A	1			1260 VA	900 VA	1	20 A	RCPT STORAGE 003/004	8
9	RCPT - ELEC./TELE 015	20 A	1	180 VA	180 VA			1	20 A	RCPT - ADA RESTROOM 010	10
11	RCPT - OFFICE 006	20 A	1			720 VA	600 VA	1	20 A	WATER HEATER (WH1) *	12
13	EF-03, EF-04	20 A	1	22 VA	240 VA			1	20 A	IDU-01,02,03,04 *	14
15	LIGHTING - BASEMENT	20 A	1			795 VA	240 VA	1	20 A	IDU-05,07,08,09 *	16
17	LIGHTING - BASEMENT	20 A	1	487 VA	240 VA			1	20 A	IDU-06,10,11,12 *	18
19	LIGHTING - BASEMENT	20 A	1			548 VA	360 VA	1	20 A	IDU-13,14,15,16,17,18 *	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
			TOTAL LOAD:	3688 VA		6862 VA					
			TOTAL AMPS:	31 A		57 A					

NOTES:
BREAKERS MARKED WITH "*" SHALL BE LOCKABLE EPD TYPE.

PANEL TOTALS

TOTAL CONN. LOAD: 10551 VA
TOTAL CONN.: 44 A

NOTES
1. FOR GENERAL POWER DISTRIBUTION LEGEND, NOTES AND DETAILS SEE DRAWING EL00-5000.
2. EXISTING 240/120V, 400A MAIN DISTRIBUTION PANEL.
3. CONTRACTOR TO VERIFY WHICH 100A BREAKER IN THE MDP PANEL WAS USED TO FEED THE DEMOLISHED BASEMENT PANEL AND RE-USE.
4. ALL POWER CABLES SHALL BE COPPER WITH THHN INSULATION.
5. ALL POWER CABLES ROUTED WITHIN THE INTERIOR OF THE BUILDING SHALL BE TYPE MC OR ANOTHER APPROVED METHOD IN NEC CHAPTER 300 UNLESS OTHERWISE NOTED ON THE DRAWINGS.
6. REFERENCE TRANE INSTALLATION MANUAL FOR INDOOR UNIT POWER AND CONTROL WIRING DETAILS.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ERIC R. HULINGS
ENGINEER
PE058455
2025.04.01 13:11:56-04'00'

REVISION RECORD

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	J. GIACCHINO	E. HULINGS	BID/PERMIT SET

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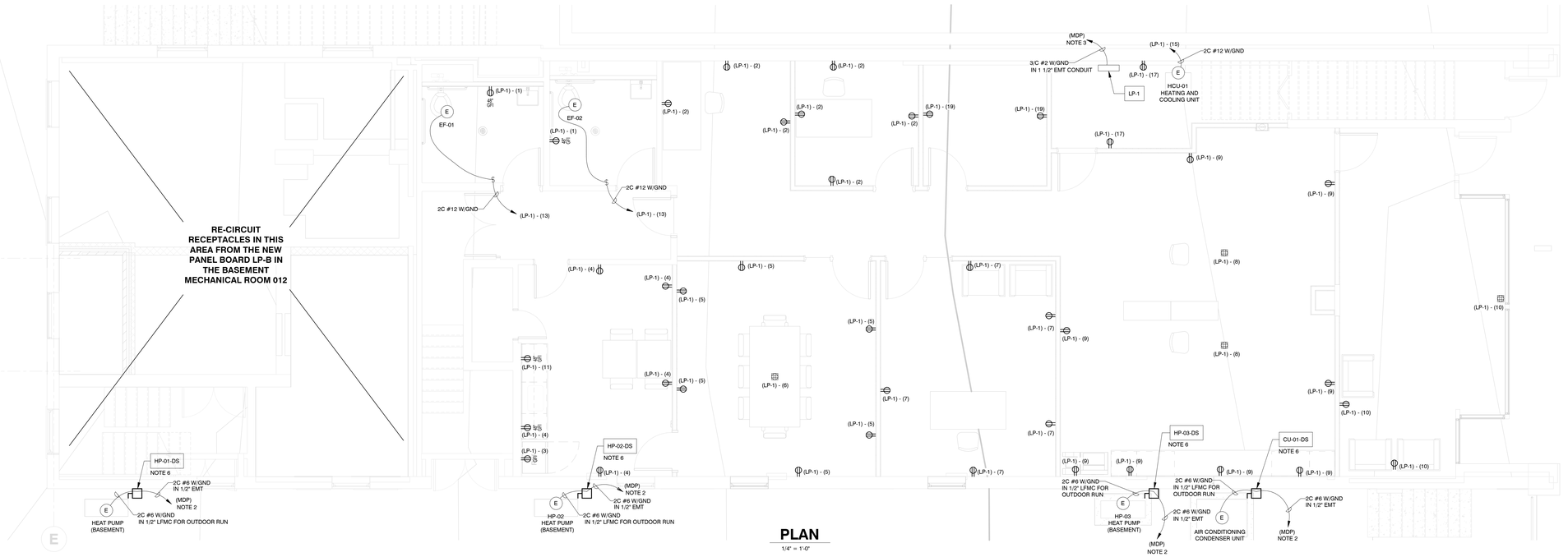
BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA

ELECTRICAL
BASEMENT
POWER DISTRIBUTION PLAN

DATE:	MAR 2025
DRAWN BY:	A. RAMEY
CHECKED BY:	E. HULINGS
DWG SCALE:	AS SHOWN
PROJECT NO:	347-133
APPROVED BY:	B. MYERS

DRAWING NO.:
EL01-5010
SHEET 1 OF 1

NORTH



PLAN
1/4" = 1'-0"

PANEL: LP-1

LOCATION: MECH. RM. 103
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/240
PHASES: 1
WIRES: 3

A.I.C. RATING: 10 kA/C
MAINS TYPE: MLO
MAINS RATING: 100 A

NOTES:

CKT	DESCRIPTION	TRIP	POLES	A		C		POLES	TRIP	DESCRIPTION	CKT
1	RCPT - RESTROOM 110/111	20 A	1	360 VA	1260 VA			1	20 A	RCPT - MAYOR/ WORKSTATION 106	2
3	RCPT - REFRIGARATOR 113	20 A	1			180 VA	900 VA	1	20 A	RCPT - BREAK RM. 113	4
5	RCPT - CONFERENCE RM. 109	20 A	1	1080 VA	180 VA			1	20 A	RCPT - CONFERENCE FLOOR 109	6
7	RCPT - MANAGER OFFICE RM. 108	20 A	1			900 VA	360 VA	1	20 A	RCPT - WORKAREA FLOOR 104	8
9	RCPT - OPEN WORK AREA 104	20 A	1	1440 VA	540 VA			1	20 A	RCPT - LOBBY 101	10
11	RCPT - MICROWAVE 113	20 A	1			180 VA	0 VA	1	20 A	SPARE	12
13	EF-01, EF-02	20 A	1	22 VA	0 VA			1	20 A	SPARE	14
15	HCU-01	20 A	1			1920 VA	0 VA	1	20 A	SPARE	16
17	RCPT - MECH. RM. 103	20 A	1	360 VA	0 VA			1	20 A	SPARE	18
19	RCPT - STORAGE 105	20 A	1			360 VA	0 VA	1	20 A	SPARE	20
21	LIGHTING - 1ST FLOOR	20 A	1	388 VA	0 VA			1	20 A	SPARE	22
23	LIGHTING - 1ST FLOOR	20 A	1			398 VA	0 VA	1	20 A	SPARE	24
25	LIGHTING - 1ST FLOOR	20 A	1	529 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
			TOTAL LOAD:	6159 VA		5198 VA					
			TOTAL AMPS:	51 A		43 A					

NOTES:	PANEL TOTALS	
	TOTAL CONN. LOAD:	11356 VA
	TOTAL CONN.:	47 A

NOTES
1. FOR GENERAL POWER DISTRIBUTION LEGEND, NOTES AND DETAILS SEE DRAWING EL00-5000.
2. REPLACE AN EXISTING SPARE BREAKER OR SPACE IN PANEL MDP WITH A NEW 240V, 50A, 2 POLE BREAKER THAT MATCHES THE SHORT CIRCUIT CURRENT RATING OF PANEL MDP.
3. CONTRACTOR TO VERIFY WHICH 100A BREAKER IN THE MDP PANEL WAS USED TO FEED THE DEMOLISHED FIRST FLOOR PANEL AND RE-USE.
4. ALL POWER CABLES SHALL BE COPPER WITH THHN INSULATION.
5. ALL POWER CABLES ROUTED WITHIN THE INTERIOR OF THE BUILDING SHALL BE TYPE MC OR ANOTHER APPROVED METHOD IN NEC CHAPTER 300 UNLESS OTHERWISE NOTED ON THE DRAWINGS.
6. 240V, 2 POLE, 60A, NEMA 3R DISCONNECT SWITCH. USE SQUARE D PART # DU222RB OR OWNER APPROVED EQUIVALENT.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ERIC R. HULINGS
ENGINEER
PE074455
2025.08.31 13:11:28-04'00'

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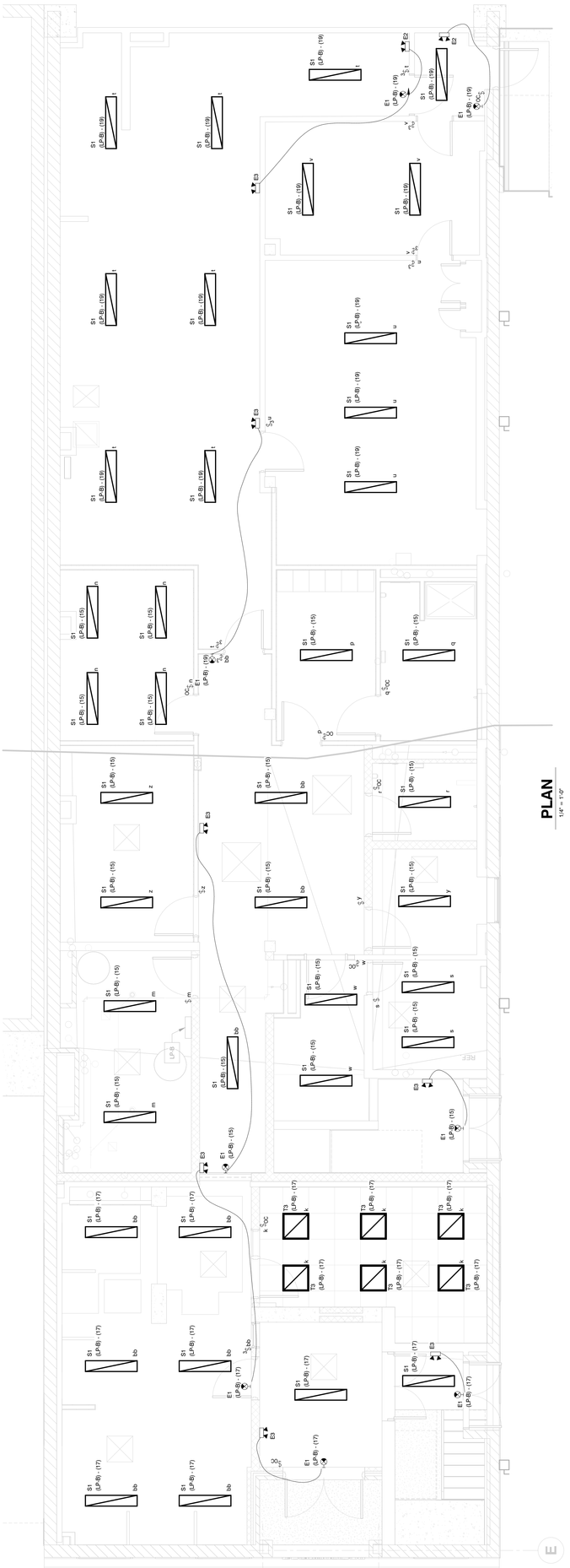
Civil & Environmental Consultants, Inc.

BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA

ELECTRICAL
1ST FLOOR
POWER DISTRIBUTION PLAN

DATE:	MAR 2025
DRAWN BY:	A. RAMEY
DWG SCALE:	AS SHOWN
CHECKED BY:	E. HULINGS
PROJECT NO:	347-133
APPROVED BY:	B. MYERS

DRAWING NO.:
EL01-5011
SHEET 1 OF 1



NOTES
1. FOR GENERAL LIGHTING LEGEND, NOTES AND DETAILS SEE DRAWINGS EL00-6000 & EL00-6001.
2. LIGHTING BILL OF MATERIAL SEE DRAWING EL00-6000.
3. FOR PANEL SCHEDULES SEE DRAWING EL01-5410.

NO	DATE	DRAWN	CHECK	DESCRIPTION
0	04 APR 2025	L. GIACCHINO	E. HULINGS	BID/PERMIT SET

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Moon Township, Pa 15108
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BOROUGH OF IRWIN
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424 MAIN STREET
IRWIN, PA

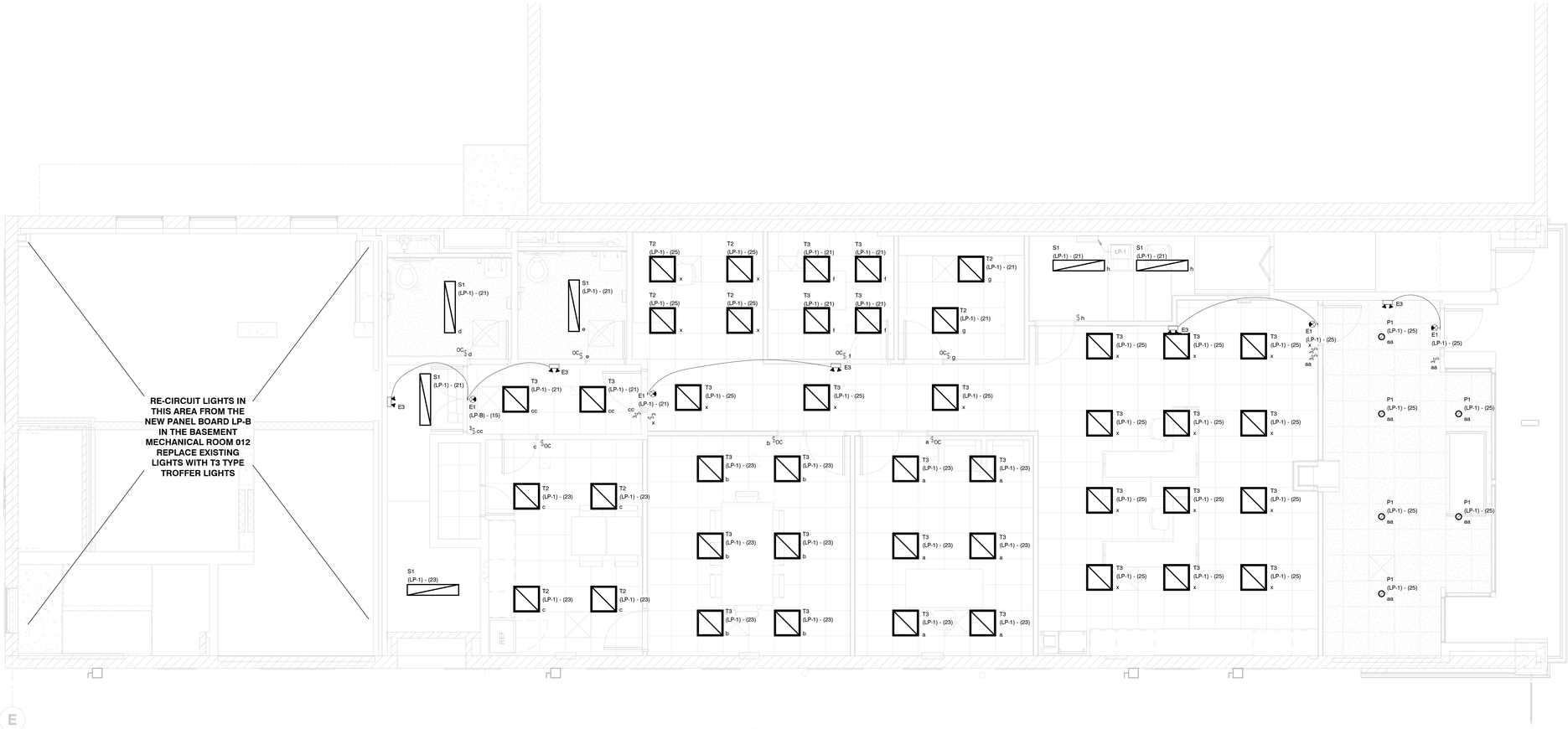
ELECTRICAL
BASEMENT
LIGHTING PLAN

DATE:	MAR 2025	DRAWN BY:	A. RAMEY
DWG SCALE:	**AS SHOWN**	CHECKED BY:	E. HULINGS
PROJECT NO:			347-133
APPROVED BY:			B. MYERS

DRAWING NO. **EL01-6010**
SHEET 1 OF 1

COMMONWEALTH OF PENNSYLVANIA
ERIC R. HULINGS
PROFESSIONAL ENGINEER
REGISTERED
PROFESSIONAL
ENGINEERS

NORTH



PLAN

1/4" = 1'-0"

NOTES

1. FOR GENERAL LIGHTING LEGEND, NOTES AND DETAILS SEE DRAWINGS EL00-6000 & EL00-6001.
2. LIGHTING BILL OF MATERIAL SEE DRAWING EL00-6000.
3. FOR PANEL SCHEDULES SEE DRAWING EL01-5011.

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ERIC R. HULINGS
ENGINEER
PE059455
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BOROUGH OF IRWIN
IRWIN BOROUGH RENOVATION
424 MAIN STREET
IRWIN, PA

ELECTRICAL
1ST FLOOR
LIGHTING PLAN

DATE:	MAR 2025
DRAWN BY:	A. RAMEY
DWG SCALE:	AS SHOWN
CHECKED BY:	E. HULINGS
PROJECT NO:	347-133
APPROVED BY:	B. MYERS

DRAWING NO.:
EL01-6011
SHEET 1 OF 1