

TERMINAL PUMPING STATION UPGRADE CITY OF BINGHAMTON VILLAGE OF JOHNSON CITY, BROOME COUNTY, NEW YORK CONTRACT 1 - GENERAL CONSTRUCTION CONTRACT 2 - ELECTRICAL CONSTRUCTION CONTRACT 3 - HEATING, VENTILATION, PLUMBING CONSTRUCTION

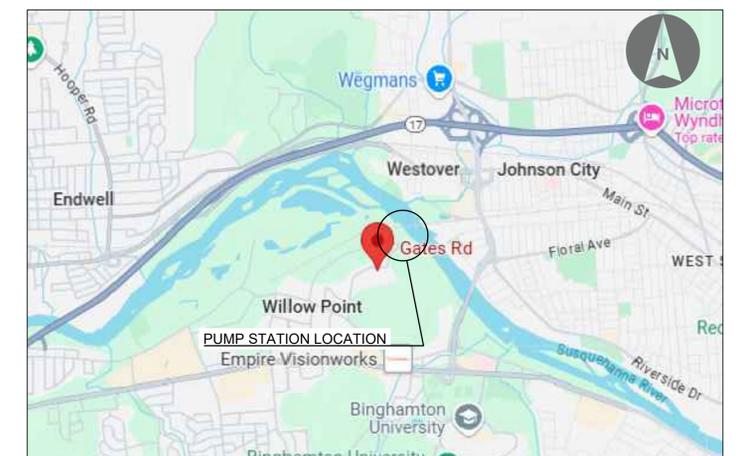
FEBRUARY 2026

EDR JOB No: 24124

FOR BID



PROJECT LOCATION MAP



NOT TO SCALE

ADDRESS:
3936 GATES ROAD
VESTAL, NY



PROJECT LOCATION MAP NEW YORK STATE

NOT TO SCALE



NEW YORK CITY

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DATE PLOTTED: 1/20/2026 9:16:46 AM
C:\Users\jrhughes\OneDrive\Desktop\Terminal Pumping Station\Civil\Working Drawings\01_General\2124_G-002_NOTES_LEGENDS_ABBREVIATIONS.rvt
ORIGINAL DRAWING SIZE: ARCH D (24" X 36")

ABBREVIATIONS

ADJ	ADJUSTABLE	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
ALT	ALTERNATE	MECH	MECHANICAL
ALUM	ALUMINUM	MEZZ	MEZZANINE
ARCH	ARCHITECT OR ARCHITECTURAL	MFR	MANUFACTURER
ASB	ASBESTOS	MGD	MILLION GALLONS PER DAY
ASPH	ASPHALT	MH	MANHOLE
ASSY	ASSEMBLY	MIN	MINIMUM
B	BOTTOM OF	MISC	MISCELLANEOUS
BF	BOTTOM OF FOOTING	MJ	MECHANICAL JOINT
BTW	BETWEEN	MTG	MOUNTING
BF	BLIND FLANGE	MTL	METAL
BIT	BITUMINOUS	MULT	MULTIPLE
BLDG	BUILDING	N	NORTH
BM	BENCH MARK/ BEAM	NAT	NATURAL
BNK	BENCH MARK	NC	NORMALLY CLOSED
CB	CATCH BASIN	NF	NEAR FACE
CC	CATCH BASIN	NG	NATURAL GAS
CC	CENTER TO CENTER	NIC	NOT IN CONTRACT
CF OR CUFF	CUBIC FEET	NO OR #	NUMBER
CFM	CUBIC FEET PER MINUTE	NON	NOMINAL
CFS	CUBIC FEET PER SECOND	NPT	NATIONAL PIPE THREAD
CI	CAST IRON	NPW	NON POTABLE WATER
CIP	CAST IRON PIPE	NTS	NOT TO SCALE
CIRC	CIRCLE/CIRCULAR	OC	ON CENTERS/ODOR CONTROL
CJ	CONSTRUCTION JOINT	OD	OUTSIDE DIAMETER
CL	CENTER LINE	OF	OUTSIDE FACE
CL JT	CONTROL JOINT	OPER	OPERABLE
CLR	CLEAR/COLOR	OPNG	OPENING
CL2	CHLORINE	OPP	OPPOSITE
CLF	CHAIN LINK FENCE	ORP	OXIDATION REDUCTION POTENTIAL
CLG	CEILING	P	PLATE/PROPERTY LINE
CMP	CORRUGATED METAL PIPE	P&ID	PROCESS INSTRUMENTATION DIAGRAM
CMU	CONCRETE MASONRY UNIT	PAR	PARRALLEL
CO	CLEANOUT	PAT	PATTERN
COL	COLUMN	PAVT	PAVEMENT
COMB	COMBINATION	PCF	POUNDS PER CUBIC FOOT
CONC	CONCRETE	PERF	PERFORATED
COND	CONDUIT	PERP	PERPENDICULAR
CONN	CONNECTION	PI	PRESSURE INDICATOR
CONST	CONSTRUCTION	PL	PROPERTY LINE
CONT	CONTINUOUS	PLAS	PLASTIC
COORD	COORDINATE	PLBG	PLUMBING
CORR	CORRIDOR	PNL	PANEL
CPG	COUPLING	PO	PLANT OVERVIEW
CPVC	CHLORINATED POLYVINYL CHLORIDE	PO	POLYETHYLENE
CRF	CHEMICAL RESISTANT FINISH	PRV	PRESSURE RELIEF / REDUCING VALVE
CS JT	CONSTRUCTION JOINT	PS	PUMP STATION
CTR	CONTRACT	PSF	POUNDS PER SQUARE FOOT
CU IN	CUBIC INCH	PSI	POUNDS PER SQUARE INCH
CU	COPPER	PST	PRIMARY SETTLING TANK
CV	CHECK VALVE	PT	POINT
CY OR CU YD	CUBIC YARD	PV	PLUG VALVE
D	DISCHARGE	PVC	POLYVINYL CHLORIDE
DEL	DELINEATOR	PW	POTABLE WATER
DET	DETAIL	QTY	QUANTITY
DH	DECK HYDRANT	RAD	RADIUS
DIAM, OR Ø	DIAMETER	RAS	RETURN ACTIVATED SLUDGE
DIAG	DIAGONAL	RCP	REINFORCED CONCRETE PIPE
DIM	DIMENSION	RD	ROOF DRAIN / ROAD
DN	DOWN	REC	RECORD
DO	DISSOLVED OXYGEN	REDR	REDUCER
DWG	DRAWING	REF	REFERENCE
E	EAST/ELECTRICAL CONDUITS	REIN	REINFORCE
EA	EACH	REQD	REQUIRED
ECC	ECCENTRIC	REV	REVISE
EFC	EACH FACE	RFG	ROOFING
EFF	EFFLUENT	RL	ROOF LEADER
EFW	EFFLUENT WATER	RM	ROOM
EJ	EXPANSION JOINT	ROW	ROUGH OPENING
EL	ELBOW	RS	RIGHT OF WAY
ELEC	ELECTRIC	RS	RETURN SLUDGE
EQ	EQUIPMENT	RW	RAW WATER
F&C	FRAME AND COVER	RWI	RAW WATER INTAKE
F&G	FRAME AND GRATING	S	SOUTH / SUCTION / SANITARY SEWER
FC	FLUSHING CONNECTION	SAN	SANITARY
FD	FLOOR DRAIN	SCH	SCHEDULE
FF	FINISHED FLOOR	SECT	SECTION
FG	FIBERGLASS/FINISHED GRADE	SEW	SEWER
FH	FIRE HYDRANT	SF	SQUARE FOOT OR SILT FENCE
FIN	FINISH	SG	SLIDE GATE
FIX	FIXTURE	SHT	SHEET
FL	FLANGE	SICPP	SMOOTH INTERIOR CORRUGATED
FL	FLOOR	SIM	POLYETHYLENE PIPE
FM	FORCE MAIN / FLOW METER	STA	STATION
FND	FOUNDATION	STA	STATION
FPS	FEET PER SECOND	STL_JST	STEEL JOIST
FRP	FIBERGLASS REINFORCED PLASTIC	SG	SUICE GATE
FT	FEET	SPEC	SPECIFICATION
FTG	FOOTING	SQ	SQUARE
G	GAS	SS	STAINLESS STEEL
GAL	GALLON	ST	STREET
GALV	GALVANIZED	STL	STEEL
GC	GENERAL CONTRACTOR	STRU	STRUCTURAL/STRUCTURE
GEN	GENERATOR	STR	STRUCTURE/STRUCTURE
GI	GALVANIZED IRON	T & B	SIDE WATER DEPTH TOP AND BOTTOM
GL	GLASS	T & B	TILE, TREAD OR TOP
GPM	GALLONS PER MINUTE	TID	TOP OF DECK
GR	GRADE / GUARDRAIL	TIF	TOP OF FOOTING
GS	GALVANIZED STEEL	T/G	TOP OF GRATE / GRATING
GV	GATE VALVE	T/M	TOP OF MASONRY
H&V	HEATING AND VENTILATING	T/P	TOP OF PIPE
HB	HOSE BIB	T/S	TOP OF SLAB/STEEL
HD	HEAVY DUTY	T/W	TOP OF WALL
HDE	HIGH DENSITY POLYETHYLENE	TDH	TOTAL DYNAMIC HEAD
HOR OR H	HORIZONTAL	TEL	TELEPHONE
HP	HORSEPOWER	TEMP	TEMPERATURE/TEMPORARY/TEMPERED
HPT	HIGH POINT	TERT	TERTIARY
HT	HEIGHT	TOB	TOP OF BANK
HTR	HEATER	TYP	TYPICAL
HVL	HIGH WATER LEVEL	UNL	UNLESS NOTED OTHERWISE
HYD	HYDRANT	UV	ULTRAVIOLET
ID	INSIDE DIAMETER	V	VERTICAL / VENT
INF	INFLEUNT	VCT	VITRIFIED CLAY TILE
INSUL	INSULATION	W	WATER / WEST
INT	INTERIOR	W	WITH
INS	INFLEUNT	W/S	WASTE ACTIVATED SLUDGE
IPS	INTERNAL PIPE SIZE	WG	WEIR GATE
JCT	JUNCTION	WH	WALL HYDRANT
JT	JOINT	WL	WATER LEVEL
K	1000 POUNDS (1 KIP)	WS	WATER SURFACE
LPT	LOW POINT	WST	WATERSTOP
LAV	LAUNDRY	WV	WATER VALVE
LP	LIGHT POLE	WWF	WELDED WIRE FABRIC
LV	LOUVER	YH	YARD HYDRANT
LWL	LOW WATER LEVEL		
M	MOTOR		
MAS	MASONRY		

GENERAL NOTES:

- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND FURNISH COPIES TO THE OWNER PRIOR TO COMMENCING WORK. THIS INCLUDES SUBMITTING AND OBTAINING A BUILDING PERMIT FROM THE TOWN.
- THE CONTRACTOR'S WORK AREA SHALL BE CONFINED TO THE LIMITS OF THE RIGHT-OF-WAYS AND EASEMENTS. THE CONTRACTOR SHALL OBTAIN ANY ADDITIONAL EASEMENTS OR WORK RELEASES SHOULD THE CONTRACTOR REQUIRE ADDITIONAL AREA TO ACCOMMODATE HIS OPERATIONS.
- THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES AS SHOWN ON THE PLANS AND PROFILES ARE APPROXIMATE. OTHER UNDERGROUND UTILITIES NOT SHOWN ARE ENCOUNTERED. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PERFORM TEST PITS TO VERIFY THE LOCATION AND ELEVATION OF UTILITIES AT INTERCONNECTIONS AND CROSSINGS AS SHOWN, DIRECTED OR REQUIRED. THE CONTRACTOR SHALL EXCAVATE IN ADVANCE OF THE PIPE LAYING OPERATIONS AND EXPOSE ALL EXISTING UNDERGROUND UTILITIES TO PREVENT DAMAGE DURING CONSTRUCTION AND TO DETERMINE REQUIRED CHANGES DURING GRADE NECESSARY TO INSTALL THE NEW UTILITY TO AVOID CONFLICT.
- THE OWNER ONLY SHALL OPERATE EXISTING GATE VALVES, FIRE HYDRANTS AND RELATED APPURTENANCES, INCLUDING NEWLY INSTALLED GATE VALVES FIRE HYDRANTS AND APPURTENANCES THAT HAVE BEEN PLACED INTO SERVICE. THE CONTRACTOR IS ADVISED THAT WATERTIGHT CONDITIONS MAY NOT EXIST WHEN EXISTING VALVES ARE CLOSED.
- ALL BELOW GRADE PRESSURIZED PIPE, JOINTS, VALVES, FITTINGS AND SPECIALS SHALL BE RESTRAINED MECHANICAL JOINT, DUCTILE IRON. IN ADDITION, CONCRETE THRUST BLOCKS SHALL BE PROVIDED.
- ALL PIPING TO BE INSTALLED SHALL HAVE 5' MINIMUM BURIAL DEPTH, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY UTILITY POLE IN ADVANCE OF ANY EXCAVATION WORK THAT WOULD PLACE WITHIN 5' OF THE UTILITY POLE. THE CONTRACTOR SHALL INCLUDE THE COST OF TEMPORARY POLE SUPPORT WHERE UTILITY POLES ARE REQUIRED TO BE SUPPORTED DURING CONSTRUCTION. THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY.
- LOCATION OF NEW INSTRUMENTATION IS APPROXIMATE. THE CONTRACTOR SHALL COORDINATE FINAL INSTRUMENTATION LOCATION WITH OWNER AND ENGINEER.
- EXISTING PIPING AND FACILITIES SHOWN LIGHT, NEW PIPING AND FACILITIES SHOWN DARK. SOME ITEMS TO BE DEMOLISHED ARE SPECIFICALLY LABELED ON THESE DRAWINGS. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION REGARDING DEMOLITION.
- CONTRACTOR SHALL VERIFY ALL EXISTING STRUCTURE AND PIPING ELEVATION, LOCATION, SIZE AND TYPE OF MATERIAL WITH NEW PIPING PRIOR TO CONSTRUCTION. IF DISCREPANCIES ARISE BETWEEN THESE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING.
- CONTRACTOR SHALL PROVIDE APPROVED ADAPTERS FOR TRANSITIONS BETWEEN DIFFERENT PIPE MATERIALS.
- CONTRACTOR SHALL SUPPLY ALL BENDS REQUIRED TO MAINTAIN SMOOTH FLOW LINES, CHANGES IN ELEVATION AND TO MEET ALL TRANSITIONS. USE 45 DEGREE BENDS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL PROVIDE POSITIVE SITE DRAINAGE DURING CONSTRUCTION OPERATIONS. ALL FINAL LINES AND GRADES SHALL BE CONSTRUCTED TO MAINTAIN POSITIVE SITE DRAINAGE TO EXISTING DRAINAGE STRUCTURES.
- ALL PAVEMENT SHALL BE SAW CUT PRIOR TO RESTORATION.
- LEGEND REPRESENTS STANDARD LINE TYPES AND HATCHING UNLESS INDICATED ON SPECIFIC DRAWINGS.
- CONTRACTOR SHALL COORDINATE STAGING AREAS WITH OWNER.
- WHILE EVERY EFFORT HAS BEEN MADE TO IDENTIFY THE ITEMS TO BE DEMOLISHED, IT IS CONTRACTOR'S RESPONSIBILITY TO REVIEW THE SCOPE OF WORK IN THE FIELD, REVIEW THESE CONTRACT DRAWINGS, ALL PREVIOUS CONSTRUCTION DRAWINGS & DOCUMENTS AND THE DEVELOPMENT SPECIFICATIONS, THE EXISTING FACILITY PLANS, AND DEMOLISH ALL ITEMS NECESSARY TO ACCOMMODATE THE PROPOSED WORK. ALSO THE CONTRACTOR SHALL REPAIR ALL SURFACES AND PLUG ABANDONED PENETRATIONS UPON REMOVAL OF THE DEMOLISHED ITEMS PER THE SPECIFICATIONS.
- THE ABBREVIATIONS AND SYMBOLS HEREIN ARE STANDARD OF THIS OFFICE AND APPLY TO A VARIETY OF PROJECTS. ONLY A PORTION OF THEM WILL NECESSARILY APPLY TO ANY GIVEN PROJECT. SEE THE LISTINGS IN OTHER SECTIONS OF THIS PROJECT FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS.
- CONTRACTOR SHALL VISIT AND EXAMINE THE SITE TO FULLY UNDERSTAND ALL THE CONDITIONS PERTAINING TO THE SCOPE OF WORK. ALL UTILITIES TO BE ENCOUNTERED AND MATERIALS REQUIRED FOR THE COMPLETE INSTALLATION OF THE WORK SHOWN ON THE DRAWINGS AND OR SPECIFIED AT NO ADDITIONAL COST TO THE OWNER. THE EXACT LOCATION OF THE EXISTING PIPING, EQUIPMENT, SERVICES, CONDITIONS, ETC. SHALL BE FIELD VERIFIED. THE EXISTING SIZE OF PIPING, DUCTWORK, EQUIPMENT, ETC. SHALL BE FIELD VERIFIED. ALL PIPING, DUCTWORK, AND EQUIPMENT ELEVATIONS SHOWN OR SPECIFIED SHALL BE FIELD VERIFIED. CONTRACTOR SHALL VERIFY LAYOUT WITH THE APPROVAL OF THE ENGINEER WHERE REQUIRED TO CLEAR OBSTRUCTIONS AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAKE ALL NECESSARY PROVISIONS FOR PROTECTION OF THE PUBLIC, THE WORKMEN AND THE WORK, AND FOR MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC AS REQUIRED BY THE AGENCIES OF GOVERNMENT JURISDICTION.
- THE CONTRACTOR SHALL ADHERE TO ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), STATE AND LOCAL SAFETY REGULATIONS.
- PROMPTLY REPORT TO THE OWNER'S REPRESENTATIVE ANY DISCREPANCIES FOUND ON THE SITE OR IN THE CONTRACT DOCUMENTS FOR REVIEW AND RESOLUTION BEFORE PROCEEDING WITH THE WORK IN THE AREA IN QUESTION. PROVIDE FIELD INFORMATION SPECIFIC TO THE DISCREPANCY TO EXPEDITE RESOLUTION.
- LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT ENGINEERING REFERENCE POINTS.
- TAKE ALL PRECAUTIONS NECESSARY TO PREVENT EROSION AND CONTROL SEDIMENTATION AS REQUIRED BY THE AGENCIES OF GOVERNMENT HAVING JURISDICTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND MAINTENANCE OF SURFACE WATER AND/OR GROUNDWATER ENCOUNTERED DURING THE COURSE OF WORK. COMPLY WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS REGARDING MATERIALS, METHODS OF WORK AND DISPOSAL OF EXCESS AND WASTE MATERIALS.
- BURNING OF MATERIALS OF ANY DESCRIPTION ON THE SITE IS PROHIBITED.
- PRIOR TO PERFORMING ANY EXCAVATION WITHIN THE CONSTRUCTION AREA, CONFIRM WITH DIG SAFELY NEW YORK THAT ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE CURRENTLY VERIFIED, OR ARRANGE FOR VERIFICATION.
- PRIOR TO START OF WORK, THE CONTRACTOR SHALL PROVIDE EXPLORATORY EXCAVATIONS, POTHOLING AND COORDINATE ALL PIPING LAYOUTS WITH THE OWNER'S REPRESENTATIVE TO ELIMINATE ALL CONFLICTS WITH EXISTING UTILITIES.
- THE USE OF EXPLOSIVES OF ANY DESCRIPTION ON THE SITE IS PROHIBITED.
- CONSTRUCTION DEBRIS AND DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT REGULAR INTERVALS AS DETERMINED BY THE OWNER'S REPRESENTATIVE AND SHALL NOT BE ALLOWED TO ACCUMULATE. EMPLOY APPROPRIATE MEASURES TO PREVENT LOOSE DEBRIS FROM LEAVING THE CONSTRUCTION AREA.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE CAUSED BY CONSTRUCTION TO EXISTING UTILITIES AND FACILITIES WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. THE CONTRACTOR SHALL REPAIR, RESTORE AND/OR REPLACE ALL DAMAGE TO THE SATISFACTION OF UTILITY REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED SURFACES TO ORIGINAL OR BETTER CONDITION INCLUDING TOPSOIL, SEED, FERTILIZER, AND MULCH. OTHER SURFACES SHALL BE RESTORED AS SHOWN ON THE DETAILS.
- PERFORM WORK AND PROVIDE ALL MATERIALS NECESSARY TO DISCONNECT OR RELOCATE EXISTING UTILITIES. COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR SHUTOFF AND RECONNECTION OF ACTIVE SERVICES. RECORD EXISTING UTILITY TERMINATION POINTS BEFORE DISCONNECTION.
- THE CONTRACTOR SHALL MAINTAIN EXISTING SANITARY SEWER AND WATER SERVICES AT ALL TIMES, EXCEPT DURING APPROVED AND SCHEDULED INTERRUPTIONS. THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK SCHEDULE AND A DETAILED SANITARY SEWER BY-PASS PROCEDURE TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. THE CONTRACTOR SHALL RESTORE GRAVITY SANITARY SEWER SERVICE AT THE END OF EACH WORK DAY. SHOULD THIS NOT BE POSSIBLE, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY BY-PASS PUMPING OPERATIONS UNTIL NORMAL GRAVITY FLOWS CAN BE RE-ESTABLISHED AT NO ADDITIONAL COST TO THE OWNER.
- ALL STRUCTURES SHALL MEET AASHTO H20 LOADING REQUIREMENTS.
- ALL CATCH BASIN GRATES SHALL INCLUDE THE LETTERING, "NO DUMPING".
- ALL EXISTING DRAINAGE FACILITIES SHALL BE MAINTAINED FREE OF DEBRIS AND FOREIGN MATTER AND BE IN OPERATION THROUGHOUT CONSTRUCTION.
- COMPLY WITH ALL REQUIREMENTS OF PERMITS AS OBTAINED BY OWNER.
- COMPLY WITH ALL TOWN HIGHWAY FOR WORK WITHIN THEIR PERSPECTIVE RIGHT-OF-WAY.
- CONTACT ELECTRICAL AND GAS UTILITY PROVIDER TO COORDINATE ON PROTECTION OF THEIR INFRASTRUCTURE.
- REFER TO SECTION 014200 FOR SPECIAL INSPECTIONS. COORDINATE WITH OWNERS REPRESENTATIVE.

LEGEND:

	BENCH
	CATCH BASIN ROUND
	CATCH BASIN SQUARE
	FIRE HYDRANT
	LIGHT POLE
	UTILITY POLE
	DOUBLE LIGHT POLE
	MULTIPLE LIGHT POLE
	SIGN
	PARKING METER
	POST
	POLE
	PRIVATE LIGHT POLE
	TRAFFIC POLE
	UTILITY BOX
	MAILBOX
	PHONE BOOTH
	PHONE POST
	RAILROAD CROSS
	TRAFFIC PEDESTRIAN SIGNAL
	TRISIGNAL
	TRAFFIC TRIGGER
	TRAFFIC BOX
	DOOR
	CELLDOOR
	CATCH BASIN CENTER
	VALVE SQUARE
	GUYWIRE
	BRUSH
	TREE LINE
	HEDGE
	BUSH
	EVERGR
	STUMP
	TREE
	SWAMP
	SPRINKLER
LINESTYLES	
	FENCE
	GUIDE RAIL
	GUIDE RAIL DOUBLE
	RETAINING WALL
	STONE WALL
	WALL
	RAILROAD
	TAX PARCEL LINES
	CONTOUR - MINOR
	CONTOUR - MAJOR
	UNDERGROUND SEWER
	UNDERGROUND TELEPHONE
	UNDERGROUND ELECTRIC
	UNDERGROUND GAS
	UNDERGROUND WATER
	OVERHEAD WIRE

MECHANICAL JOINT FITTING SYMBOLS

	MECHANICAL JOINT
	11 1/4 DEGREE BEND
	22 1/2 DEGREE BEND
	45 DEGREE BEND
	90 DEGREE BEND
	TEE
	CROSS
	WYE LATERAL
	BUTTERFLY VALVE
	GATE VALVE
	PLUG VALVE
	REDUCER

FLANGE JOINT FITTING SYMBOLS

	FLANGE JOINT
	11 1/4 DEGREE BEND
	22 1/2 DEGREE BEND
	45 DEGREE BEND
	90 DEGREE BEND
	LONG RADIUS 90 DEGREE BEND
	TEE
	CROSS
	WYE LATERAL
	BUTTERFLY VALVE
	BALL VALVE
	GATE VALVE
	PLUG VALVE
	KNIFE GATE VALVE
	MUD VALVE
	COUPLING (UNRESTRAINED) MJ ALSO
	COUPLING (RESTRAINED WITH HARNESS, EAR AND LUG) MJ ALSO
	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
	CHECK VALVE
	FLANGE COUPLING ADAPTER OR DISMANTLING COUPLING (BOTH RESTRAINED)
	EXPANSION JOINT OR FLEXIBLE COUPLING
	90 DEGREE BASE ELBOW

WELD JOINT FITTING SYMBOLS

	WELD JOINT
	11 1/4 DEGREE BEND
	22 1/2 DEGREE BEND
	45 DEGREE BEND
	90 DEGREE BEND
	LONG RADIUS 90 DEGREE BEND
	TEE
	CROSS
	WYE LATERAL
	REDUCER

PIPE SUPPORT SYMBOLS

	PIPE HANGER TYPE 'A' PIPE SUPPORT
	PIPE STANCHION SADDLE WU-BOLT TYPE 'B' PIPE SUPPORT
	SPLIT PIPE CLAMP TYPE 'C' PIPE SUPPORT
	STRAP W/S.S.BOLTS AND INSERTS TYPE 'D' PIPE SUPPORT
	CONCRETE BASE FITTING SUPPORT TYPE 'F' PIPE SUPPORT
	CONCRETE PIPE SUPPORT TYPE 'G' PIPE SUPPORT
	WELDED STEEL BRACKET WU-BOLT TYPE 'H' PIPE SUPPORT
	PIPE CHANNEL SUPPORT TYPE 'I' PIPE SUPPORT
	PIPE SUPPORT SYSTEM TYPE 'J' PIPE SUPPORT
	STEEL ANGLE SUPPORT WU-BOLT TYPE 'M' PIPE SUPPORT

LINETYPE LEGEND

	NEW FORCEMAIN
	LIMIT OF CONSTRUCTION
	SILT FENCE
	TEMPORARY WATER BY-PASS
	TEMPORARY WATER SERVICE

MATERIAL SYMBOLS

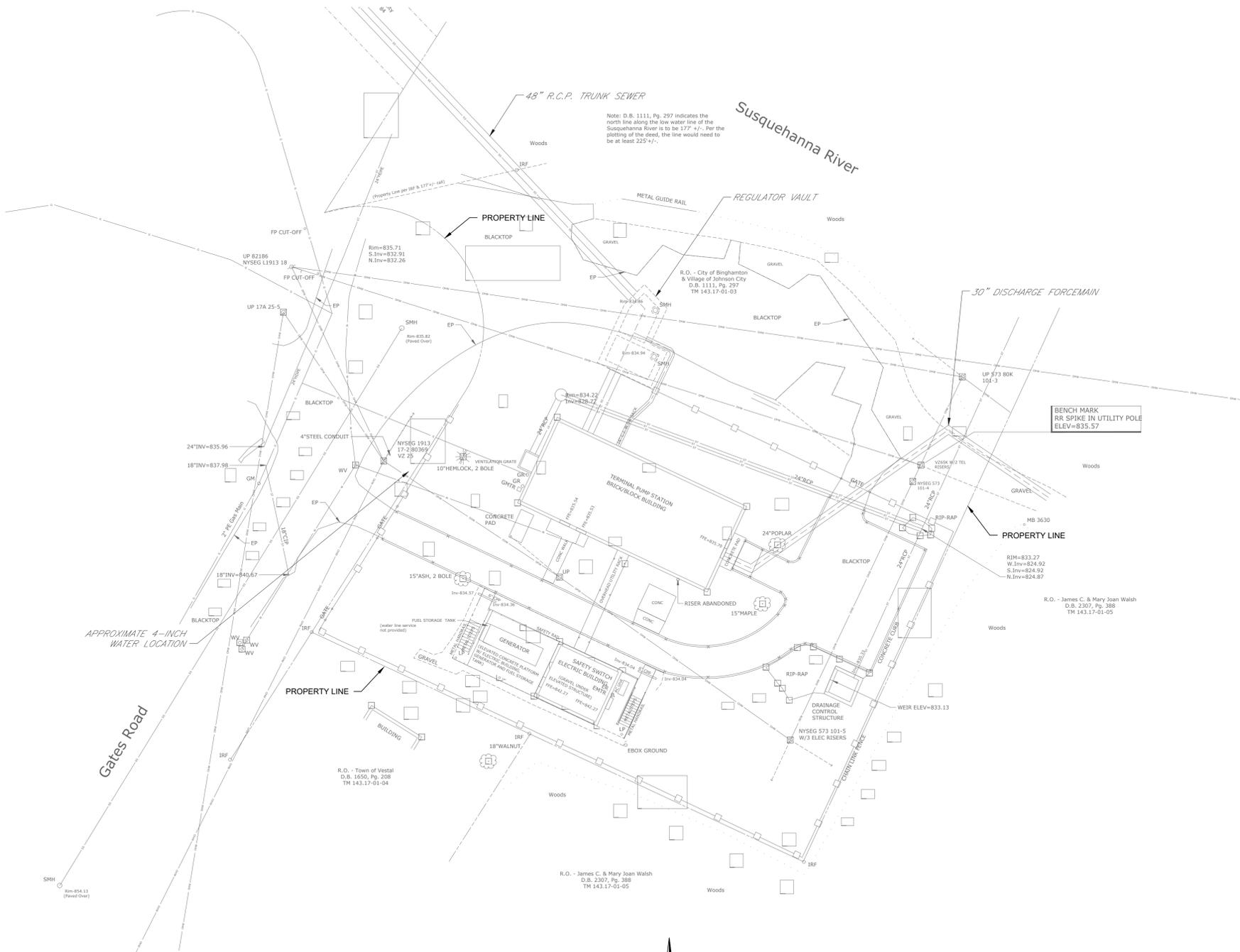
	EARTH
	COMPACTED GRAVEL BACKFILL
	CONCRETE
	GROUT

FORCEMAIN FITTING SYMBOLS

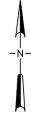
	11 1/4 DEGREE BEND
	22 1/2 DEGREE BEND
	45 DEGREE BEND
	90 DEGREE BEND
	VALVE
	TEE
	CAP OR PLUG
	REDUCER
	TAPPING SLEEVE AND VALVE (TS&V)
	NEW FIRE HYDRANT / TEMPORARY HYDRANT
	THRUST BLOCK

LIST OF DRAWINGS

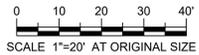
GENERAL	
G-001	COVER SHEET
G-002	NOTES, LEGEND, ABBREVIATIONS AND DRAWING LIST
G-003	EXISTING SITE PLAN
G-004	SITE DEMOLITION AND EROSION AND SEDIMENTATION CONTROL PLAN
G-005	SITE PLAN
G-006	EROSION AND SEDIMENTATION CONTROL DETAILS
G-007	MISCELLANEOUS DETAILS
G-008	MISCELLANEOUS DETAILS
DEMOLITION	
D-001	PUMP STATION - BASEMENT DEMOLITION PLAN
D-002	PUMP STATION - INTERMEDIATE DEMOLITION PLAN
D-003	PUMP STATION - TOP DEMOLITION PLAN
D-004	PUMP STATION - ROOF DEMOLITION PLAN
D-005	PUMP STATION - DEMOLITION SECTION
D-006	PUMP STATION - DEMOLITION SECTIONS
D-007	PUMP STATION - DEMOLITION SECTION
D-008	REGULATOR VAULT No. 3 - PLANS AND SECTIONS - DEMOLITION
ARCHITECTURAL	
A-101	PUMP STATION: EGRESS PLANS / SCHEDULES / CODES
A-102	PUMP STATION: LOWER LEVEL PLANS
A-103	PUMP STATION: FLOOR PLAN & ROOF PLAN
A-104	PUMP STATION: BUILDING ELEVATIONS
A-105	PUMP STATION: BUILDING SECTION / WALL SECTION
A-106	PUMP STATION: MISCELLANEOUS DETAILS I
A-107	PUMP STATION: MISCELLANEOUS DETAILS II
STRUCTURAL	
S-001	GENERAL NOTES AND DETAILS
S-002	STANDARD MASONRY DETAILS
S-003	PUMP STATION - BASEMENT PLAN
S-004	PUMP STATION - INTERMEDIATE PLAN
S-005	PUMP STATION - TOP PLAN
S-006	PUMP STATION - ROOF PLAN
S-007	PUMP STATION - SECTION
S-008	PUMP STATION - SECTIONS
S-009	PUMP STATION - SECTION
S-010	REGULATOR VAULT No. 3 - PLANS AND SECTIONS
S-011	MISCELLANEOUS METALS DETAILS
MECHANICAL	
M-001	PUMP STATION - BASEMENT PLAN



EXISTING SITE PLAN
SCALE: 1"=20'-0"



- MAP NOTES**
- 1.) NORTH ORIENTATION IS BASED ON GRID NORTH FROM RTK GPS OBSERVATIONS.
 - 2.) VERTICAL DATUM IS BASED ON NAVD 1988 DATUM FROM RTK GPS OBSERVATIONS.
 - 3.) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, COVENANTS OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.
 - 4.) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, (AND PAROLE TESTIMONY). THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.
 - 5.) FIELD WORK PERFORMED DURING NOVEMBER 12-13, 2024, BY C.T. MALE ASSOCIATES.



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CLIENT / SUBCONSULTANT:

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P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

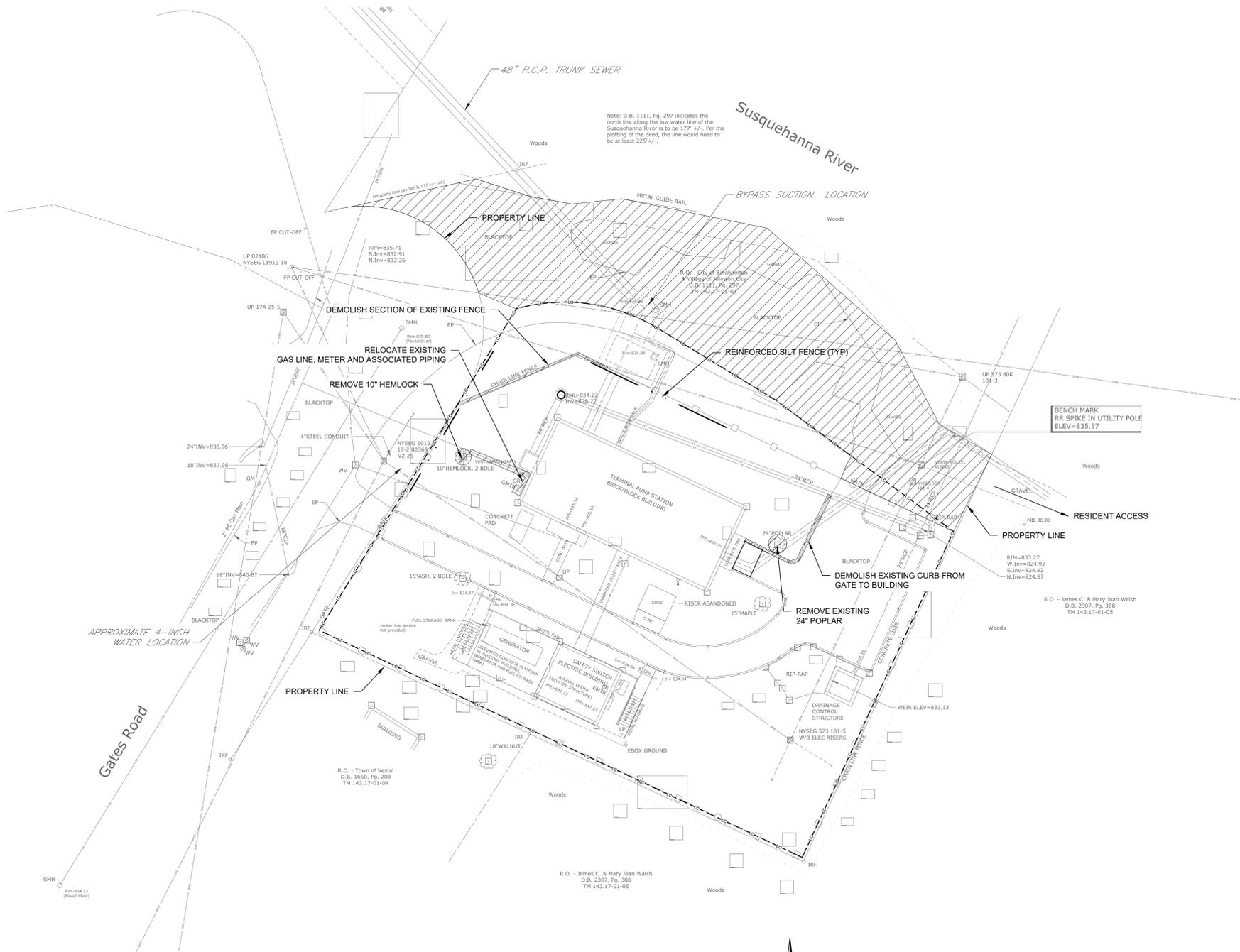
CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **EXISTING SITE PLAN**

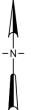
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NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE: 02/2026
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2			MJL			DRAWN BY: MJL
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4			KAD			DRAWING NUMBER:
5						G-003
6						

CONTRACT NO. **1,2,3**

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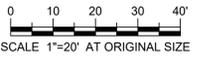


SITE DEMOLITION AND EROSION CONTROL PLAN
 SCALE: 1"=20'-0"



LEGEND:
 AREA TO REMAIN ACCESSIBLE

- MAP NOTES**
- 1.) NORTH ORIENTATION IS BASED ON GRID NORTH FROM RTK GPS OBSERVATIONS.
 - 2.) VERTICAL DATUM IS BASED ON NAVD 1988 DATUM FROM RTK GPS OBSERVATIONS.
 - 3.) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, COVENANTS OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.
 - 4.) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, (AND PAROLE TESTIMONY). THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.
 - 5.) FIELD WORK PERFORMED DURING NOVEMBER 12-13, 2024, BY C.T. MALE ASSOCIATES.
 - 6.) CONTRACTOR SHALL MAINTAIN UNIMPEDED ACCESS TO EAST FOR RESIDENT.
 - 7.) DURING TEMPORARY BYPASS PUMP OPERATION, OWNER SHALL BE PROVIDED FULL ACCESS TO FLOW METER DATA FOR THEIR REGULATED REPORTING REQUIREMENTS.



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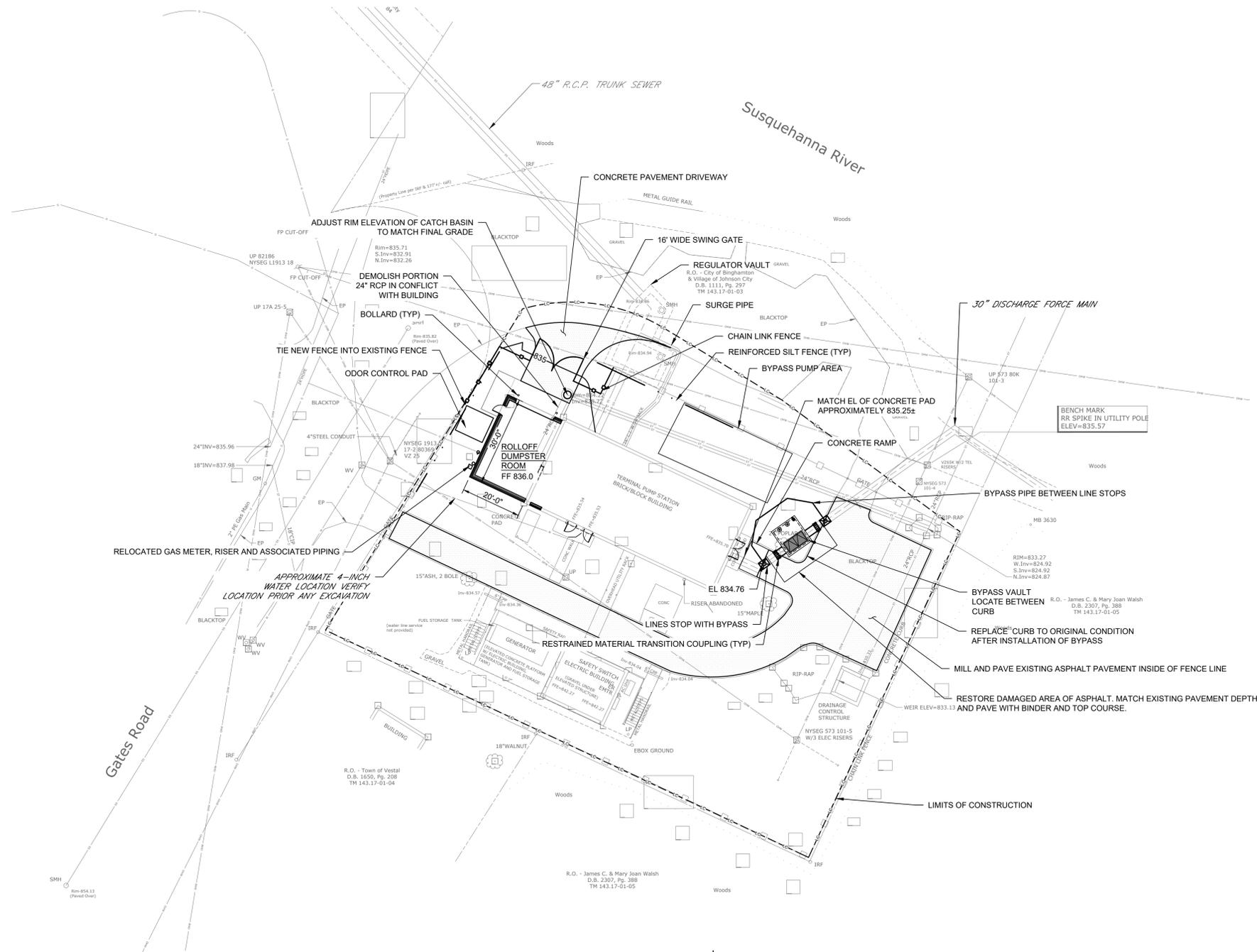
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 217 Montgomery Street, Suite 1100
 Syracuse, New York 13202
 P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **SITE DEMOLITION AND EROSION AND SEDIMENTATION CONTROL PLAN**

DRAWINGS ISSUED FOR / REVISIONS			EDR JOB#: 24124			
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE: 02/2026
1	02/2026	FOR BID	MJL	ASD	MET	SCALE: 1"=20'-0"
2						DRAWN BY: MJL
3						CHECKED BY: AD
4						DRAWING NUMBER:
5						G-004
6						

CONTRACT NO.
1



SITE PLAN
SCALE: 1"=20'-0"

NOTES:

1. DURING TEMPORARY BYPASS PUMP OPERATION, OWNER SHALL BE PROVIDED FULL ACCESS TO FLOW METER DATA FOR THEIR REGULATED REPORTING REQUIREMENTS.
2. GATES ROAD IS A LOCAL, PUBLIC ROAD - PROVIDE UNIMPEDED ACCESS AT ALL TIMES.
3. UTILIZE AREAS TO THE NORTH AND WITHIN FENCED IN AREA FOR STAGING.
4. COORDINATE WITH OWNER FOR USE OF TEMPORARY STAGING / STORAGE AT JOINT WWTP.
5. PERFORM HYDRO EXCAVATING TO LOCATE EXISTING WATER LINE ON PUMP STATION SITE.
6. COORDINATE GAS METER RELOCATION WITH GAS UTILITY.
7. SECURE PUMP STATION SITE UPON COMPLETION OF DAILY WORK.
8. LINE STOPS WITH BYPASS IS SHOWN TO MAINTAIN CONTINUOUS PUMPING AND TO FACILITATE INSTALLATION OF BYPASS VAULT, PIPING AND VALVES. EXACT SEQUENCE OF WORK AND USE OF TEMPORARY MEASURES IS AT THE CONTRACTORS DISCRETION. SUBMIT A DETAILED SEQUENCE OF WORK PLAN FOR THE BYPASS VAULT WORK ACTIVITIES.
9. VERIFY EXISTING FORCEMAIN PIPE TYPE. COORDINATE IN FIELD PIPE JOINT LOCATIONS FOR RESTRAINED MATERIAL TRANSITION COUPLINGS.
10. CONTRACTOR TO SUBMIT BYPASS PUMPING PLAN TO DEC FOR REVIEW.



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

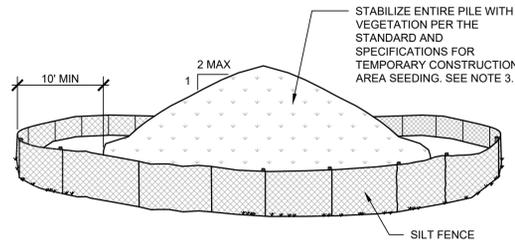
CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **SITE PLAN**

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DATE: **02/2026**
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DRAWN BY: **MJL**
CHECKED BY: **AD**
DRAWING NUMBER: **G-005**

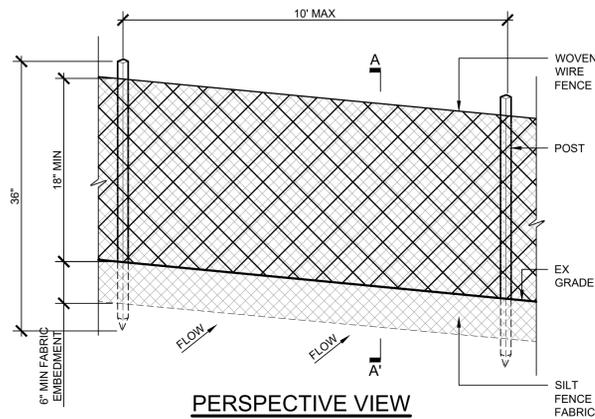
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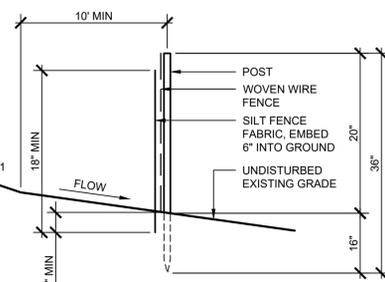
- NOTES:**
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY, STABILIZED AND LOCATED AWAY FROM KNOWN WORK AREAS TO PREVENT RELOCATION.
 2. MAXIMUM STOCKPILE HEIGHT SHALL BE 12 FEET.
 3. EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, INSTALLED PER SILT FENCE DETAIL, THEN STABILIZED IN ACCORDANCE WITH THE NYSDEC STANDARD AND SPECIFICATIONS FOR TEMPORARY CONSTRUCTION AREA SEEDING WITHIN 7 DAYS OF COMPLETION.
 4. A PERIMETER DIKE/SWALE SHALL BE LOCATED UP-SLOPE OF THE TOPSOIL STOCKPILE TO DIVERT STORMWATER AROUND THE STOCKPILE.

STABILIZED SOIL STOCKPILE

NOT TO SCALE



PERSPECTIVE VIEW

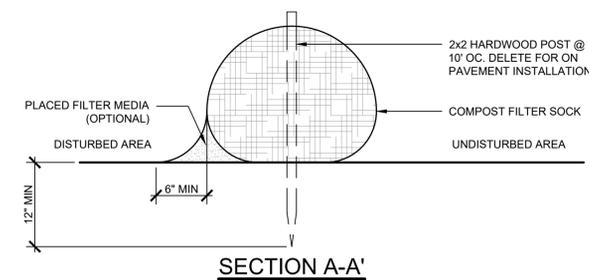


SECTION A-A'

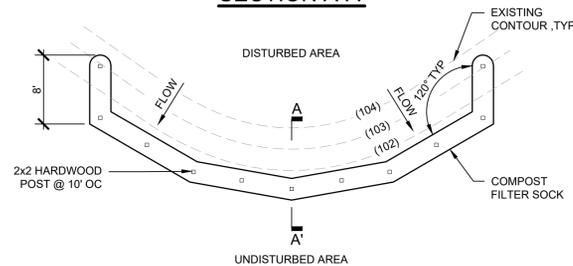
- NOTES:**
1. WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE EITHER STEEL "T" OR "U" TYPE, OR HARDWOOD.
 2. SILT FENCE FABRIC SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. WOVEN WIRE FENCE SHALL BE MINIMUM 14 GAUGE, WITH MAXIMUM 6" MESH SPACING.
 4. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE MIRAFI 100X OR APPROVED EQUAL.
 5. PREFABRICATED UNITS SHALL MEET THE MINIMUM REQUIREMENTS SHOWN.
 6. MAINTENANCE SHALL BE PERFORMED IMMEDIATELY AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

REINFORCED SILT FENCE

NOT TO SCALE



SECTION A-A'



PLAN

- NOTE:**
1. COMPOST FILTER SOCKS SHALL BE PLACED ON THE CONTOUR WITH BOTH TERMINAL ENDS OF THE SOCK EXTENDED 8 FEET UPSLOPE AT A 45° ANGLE TO PREVENT BYPASS FLOW.
 2. DIAMETERS DESIGNED FOR USE SHALL BE 12"-32".
 3. THE FLAT DIMENSION OF THE SOCK SHALL BE AT LEAST 1.5 TIMES THE NOMINAL DIAMETER.
 4. THE MAXIMUM SLOPE LENGTH (IN FEET) ABOVE A COMPOST FILTER SOCK SHALL NOT EXCEED THE FOLLOWING LIMITS:

TABLE 1 - MAXIMUM SLOPE LENGTH ABOVE COMPOST FILTER SOCK (FEET)

DIA (IN)	SLOPE %						
	2	5	10	20	25	33	50
8	225	200	100	5	20	-	-
12	250	225	125	65	50	40	25
18	275	250	150	70	55	45	30
24	350	275	200	130	100	60	35
32	450	325	275	150	120	75	50

TABLE 2 - COMPOST FILTER MEDIA STANDARDS

ORGANIC MATTER CONTENT	25% - 100% DRY WEIGHT
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	6.0 - 8.0
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	100% PASSING A 1" SCREEN AND 10-50% PASSING A 3/8" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

TABLE 3 - COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MULTI-FILAMENT POLYPROPYLENE	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE
MATERIAL CHARACTERISTICS	PHOTODEGRADABLE	PHOTODEGRADABLE	BIODEGRADABLE	PHOTODEGRADABLE	PHOTODEGRADABLE
SOCK DIAMETERS	12", 18"	12", 18", 24", 32"	12", 18", 24", 32"	12", 18", 24", 32"	12", 18", 24", 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

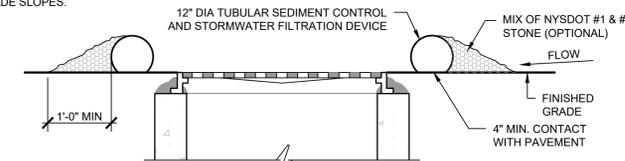
5. THE COMPOST INFILL SHALL BE WELL DECOMPOSED (MATURED AT LEAST 3 MONTHS), WEED-FREE, ORGANIC MATTER. IT SHALL BE AEROBICALLY COMPOSTED, POSSESS NO OBJECTIONABLE ODORS, AND CONTAIN LESS THAN 1%, BY DRY WEIGHT, OF MAN-MADE FOREIGN MATTER. THE PHYSICAL PARAMETERS OF THE COMPOST SHALL MEET THE STANDARDS LISTED IN TABLE 5.2-COMPOST FILTER MEDIA STANDARDS TABLE. NOTE ALL BIOSOLIDS COMPOST PRODUCED IN NEW YORK STATE (OR APPROVED FOR IMPORTATION) MUST MEET NYS DEC'S 6 NYCRR PART 360 (SOLIDS WASTE MANAGEMENT FACILITIES) REQUIREMENTS. THE PART 360 REQUIREMENTS ARE EQUAL TO OR MORE STRINGENT THAN 40 CFR PART 503 WHICH ENSURE SAFE STANDARDS FOR PATHOGEN REDUCTION AND HEAVY METALS CONTENT. WHEN USING COMPOST FILTER SOCKS ADJACENT TO SURFACE WATER, THE COMPOST SHOULD HAVE A LOW NUTRIENT VALUE.
6. THE COMPOST FILTER SOCK FABRIC MATERIAL SHALL MEET THE MINIMUM SPECIFICATIONS GIVEN IN TABLE 5.3-COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS TABLE.
7. COMPOST FILTER SOCKS SHALL BE ANCHORED IN EARTH WITH 2x2 WOODEN STAKES DRIVEN 12" INTO THE SOIL ON 10 FOOT CENTER ON THE CENTERLINE OF THE SOCK. ON UNEVEN TERRAIN, EFFECTIVE GROUND CONTACT CAN BE ENHANCED BY THE PLACEMENT OF A FILLET OR FILTER MEDIA ON THE DISTURBED AREA SIDE OF THE COMPOST SOCK.
8. ALL SPECIFIC CONSTRUCTION DETAILS AND MATERIAL SPECIFICATIONS SHALL APPEAR ON THE EROSION AND SEDIMENT CONTROL CONSTRUCTIONS DRAWINGS WHEN COMPOST FILTER SOCKS ARE INCLUDED IN THE PLAN.

*TABLE FROM THE 2016 NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

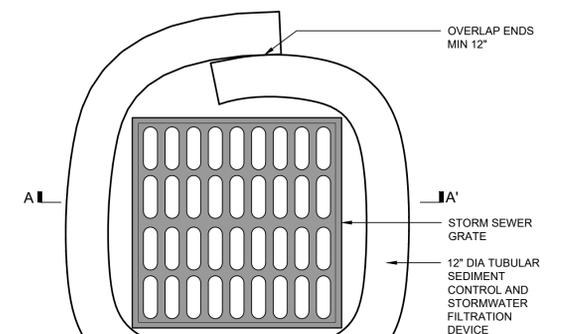
COMPOST FILTER SOCK

NOT TO SCALE

- NOTES:**
1. SITE ACCESS IS RESTRICTED TO THE LOCATIONS SPECIFICALLY DESIGNATED ON PLAN.
 2. AVOID ANY DISTURBANCE OF EXISTING VEGETATION ON THE SITE EXCEPT THE VEGETATION SPECIFICALLY DESIGNATED TO BE REMOVED.
 3. DISTURBED AREAS SHALL BE AS SMALL AS PRACTICAL, AND SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED.
 4. TAKE ALL PRECAUTIONS NECESSARY TO PREVENT EROSION AND CONTROL SEDIMENTATION AS REQUIRED BY THE AGENCIES OF GOVERNMENT HAVING JURISDICTION.
 5. THE START OF ANY ON-SITE CONSTRUCTION INCLUDING STRIPPING TOPSOIL, REMOVING CUT OR PLACING FILL MATERIAL ESTABLISHES THAT THE CONTRACTOR ACCEPTS THE CONTRACT DOCUMENTS AS ACCURATELY REPRESENTING THE EXISTING SITE CONDITIONS.
 6. ALL FACILITIES TO BE CONSTRUCTED OR INSTALLED SHALL COMPLY WITH ALL SECTIONS AND LATEST REVISIONS OF THE REQUIREMENTS OF ALL AGENCIES OF GOVERNMENT HAVING JURISDICTION.
 7. TOP DRESS, SEED AND MULCH ALL LAWN AREAS DISTURBED BY THE CONSTRUCTION AS SOON AS THE FINISHED GRADING OPERATION IS COMPLETED.
 8. ADJUST THE RIM ELEVATIONS OF EXISTING UTILITY STRUCTURES SCHEDULED TO REMAIN TO BE FLUSH WITH THE FINISHED GRADE ELEVATIONS.
 9. MAINTAIN AN ADEQUATE SUPPLY OF EROSION AND SEDIMENT CONTROL MATERIALS AT THE CONSTRUCTION SITE AT ALL TIMES TO BE USED FOR URGENT SITUATIONS, SUCH AS UNEXPECTED HEAVY RAINFALL.
 10. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING SOIL AND EXCESS EXCAVATED EARTH STOCK PILES AT A STABLE LOCATION. STOCK PILES SHALL BE STABILIZED PER THE DETAIL.
 11. CONSTRUCTION ROUTES SHALL BE STABILIZED PER THE NYS STANDARDS FOR EROSION AND SEDIMENT CONTROL, AS NECESSARY BASED ON SITE CONDITIONS.
 12. THE EROSION AND SEDIMENT CONTROLS ARE SHOWN FOR A CONDITION WHEN ALL WORK IS OCCURRING SIMULTANEOUSLY. ACTUAL INSTALLATIONS SHALL BE ADJUSTED BASED ON CURRENT CONSTRUCTION ACTIVITY AND SITE CONDITIONS.
 13. EROSION CONTROL MEASURES INCLUDING BUT NOT LIMITED TO A STABILIZED CONSTRUCTION ENTRANCE, STABILIZED CONSTRUCTION STAGING AREA AND SILT FENCE SHALL BE THE FIRST ITEMS CONSTRUCTED WHEN SITE WORK BEGINS, AND MUST BE COMPLETELY FUNCTIONAL BEFORE DOWN SLOPE LAND DISTURBANCE BEGINS.
 14. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND OPERATED IN ACCORDANCE WITH THEIR DESIGN. ANY NEED FOR REPAIRS OR MAINTENANCE SHALL BE ADDRESSED IMMEDIATELY TO ASSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION THROUGHOUT THE CONSTRUCTION PROCESS.
 15. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM AND FUEL TANK DRAIN DOWN, DEGREASING OPERATIONS AND OTHER ACTIVITIES THAT MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS MUST BE CONDUCTED OFF-SITE. ACCIDENTAL SPILLS MUST BE CLEANED UP IMMEDIATELY AND CONTAMINANTS DISPOSED OF PROPERLY.
 16. THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES, INCLUDING WATER SPRINKLING TO PROVIDE DUST CONTROL DURING CONSTRUCTION.
 17. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES, AS SHOWN ON THE DETAIL SHEETS, AS NECESSARY DURING THE COURSE OF CONSTRUCTION AT NO COST TO THE OWNER.
 18. THE CONTRACTOR SHALL INSTALL AND MAINTAIN STABILIZED CONSTRUCTION ENTRANCE TO PREVENT THE TRANSPORT OF SEDIMENT ONTO PUBLIC ROADS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
 19. IF SEDIMENT IS TRANSPORTED ONTO ROADS, IT MUST BE REMOVED FROM THE ROAD SURFACE ON A DAILY BASIS AND PRIOR TO RAIN EVENTS. SEDIMENT SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTAMINATION OF STORMWATER AND SURFACE WATER.
 20. VEGETATION SHALL BE PROTECTED OUTSIDE OF THE LIMITS OF DISTURBANCE.
 21. ALL EXISTING TOPSOIL SHALL BE STOCKPILED TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS FOR THE ESTABLISHMENT OF VEGETATION.
 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING SOIL AND EXCESS EXCAVATED EARTH STOCK PILES AT A STABLE LOCATION. STOCK PILES SHALL BE STABILIZED PER THE DETAIL.
 23. ON SITE CONSTRUCTION ROUTES SHALL BE STABILIZED PER THE NYS STANDARDS FOR EROSION AND SEDIMENT CONTROL, AS NECESSARY BASED ON SITE CONDITIONS.
 24. IF MEASURES ARE NEEDED, THE CONTRACTOR IS RESPONSIBLE FOR THE PLACEMENT, DESIGN, APPROVAL, AND OPERATION OF THE CONCRETE WASHOUTS. THE CONCRETE WASHOUTS SHALL BE INSTALLED A MINIMUM OF 50' FROM STORM DRAINAGE OR SURFACE WATER. CONCRETE WASTE MATERIAL SHALL NOT BE ALLOWED TO ESCAPE FROM THE CONCRETE WASHOUT.
 25. FOR INSTALLED SEDIMENT CONTROL PRACTICES, REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS WHEN THE ACCUMULATION HAS REACHED A DEPTH OF 25% OF THE HEIGHT AND/OR VOLUME OF THE PRACTICE'S CAPACITY, OR MORE FREQUENTLY AS REQUIRED BY THE DETAILS.
 26. THE CONTRACTOR SHALL PROVIDE PORTABLE HANDWASHING AND SANITARY FACILITIES, THESE FACILITIES SHALL BE SERVICED REGULARLY BY AN APPROVED SERVICE PROVIDER.
 27. SOLID WASTE SHALL BE STORED IN COVERED DUMPSTERS OR OTHER APPROPRIATE CONTAINERS. WASTE IS TO BE DISPOSED OF REGULARLY AND PROPERLY IN ACCORDANCE WITH LOCAL, STATE, AND/OR FEDERAL REGULATIONS.
 28. DURING ROUGH GRADING, LEAVE SLOPE SURFACES SLIGHTLY ROUGHENED TO A DEPTH OF 1-2 INCHES - DO NOT BACK BLADE SLOPES.



SECTION A-A'

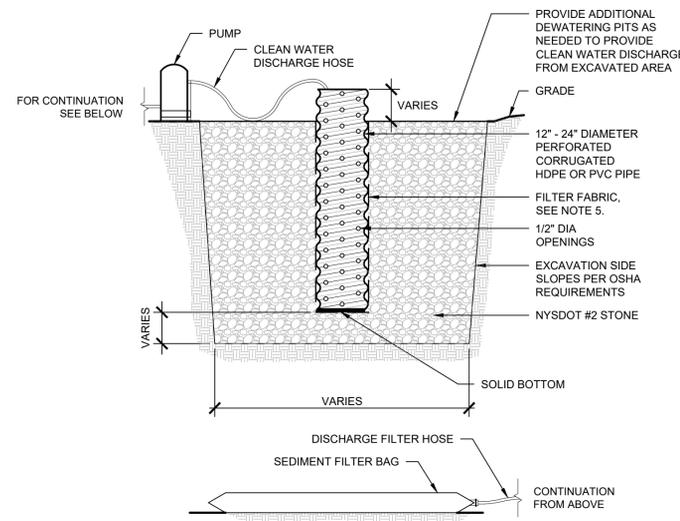


PLAN

- NOTES:**
1. TUBULAR SEDIMENT CONTROL AND STORMWATER FILTRATION DEVICE SHALL BE FILTREXX FILTERSOXX, OR EQUIVALENT.
 2. REPLACE AND DISPOSE OF PER MANUFACTURERS SPECIFICATIONS.
 3. MAXIMUM CONTRIBUTING DRAINAGE AREA SHALL BE 1.0 ACRES.

INLET PROTECTION

NOT TO SCALE



SECTION

- NOTES:**
1. THE STANDPIPE SHALL BE CONSTRUCTED BY PERFORATING A 12" - 24" DIAMETER CORRUGATED HDPE OR PVC PIPE.
 2. A BASE OF NYS DOT #2 OR EQUIVALENT AGGREGATE SHALL BE PLACED IN THE PIT TO A DEPTH OF 12". AFTER INSTALLATION THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHALL BE BACKFILLED WITH NYS DOT #2 OR EQUIVALENT AGGREGATE.
 3. THE STANDPIPE SHALL EXTEND 12" - 18" ABOVE THE LIP OF THE PIT.
 4. FILTER FABRIC SHALL BE MIRAFI 140N OR APPROVED EQUAL.

SEDIMENT FILTER BAG

NOT TO SCALE



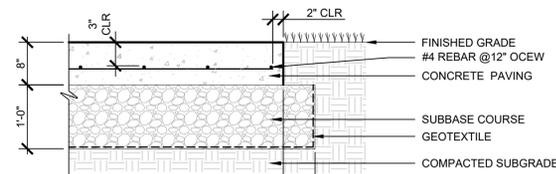
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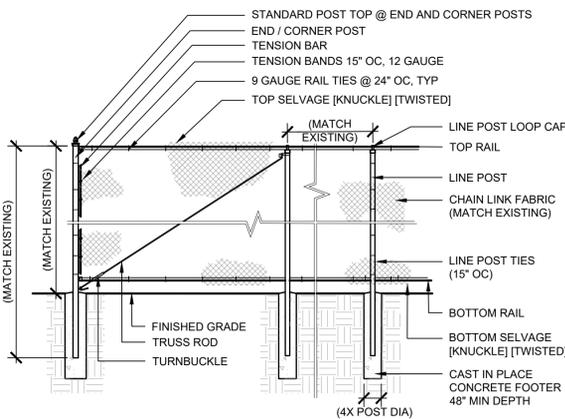
PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **EROSION AND SEDIMENTATION CONTROL DETAILS**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
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2						SCALE: AS SHOWN
3						DRAWN BY: MJS
4						CHECKED BY: CAP
5						DRAWING NUMBER:
6						G-006



CONCRETE ROAD OR DRIVEWAY

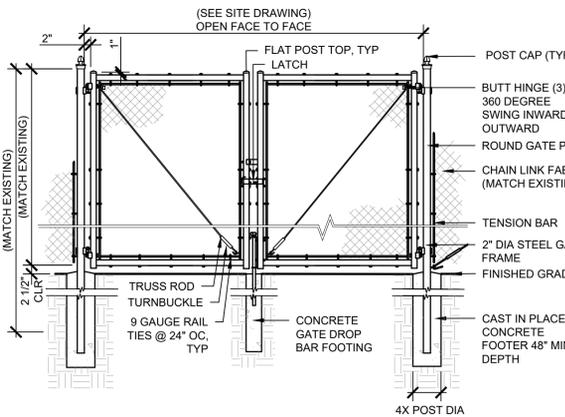
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CHAIN LINK FENCE

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TOP AND BOTTOM RAILS

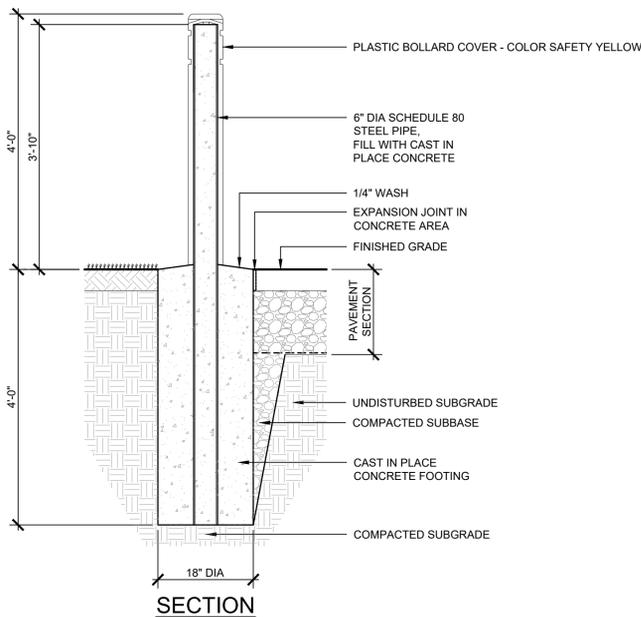


CHAIN LINK GATE

Scale: NTS

DOUBLE

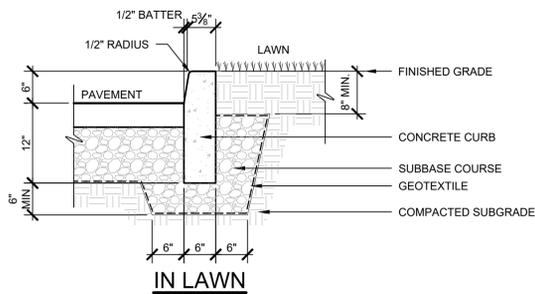
NOTES:
1. ALL JOINTS WELDED TO MAKE A SOLID FRAME



BOLLARD - STEEL PIPE

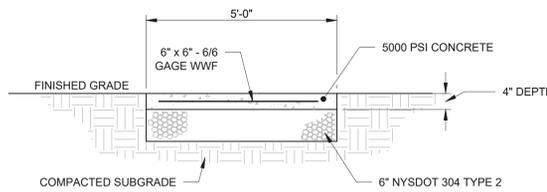
Scale: NTS

WITH PLASTIC COVER



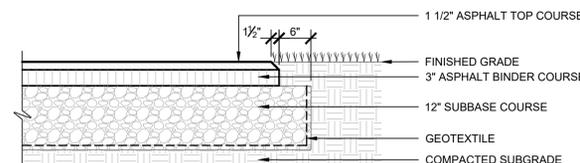
CONCRETE - CURB

Scale: NTS



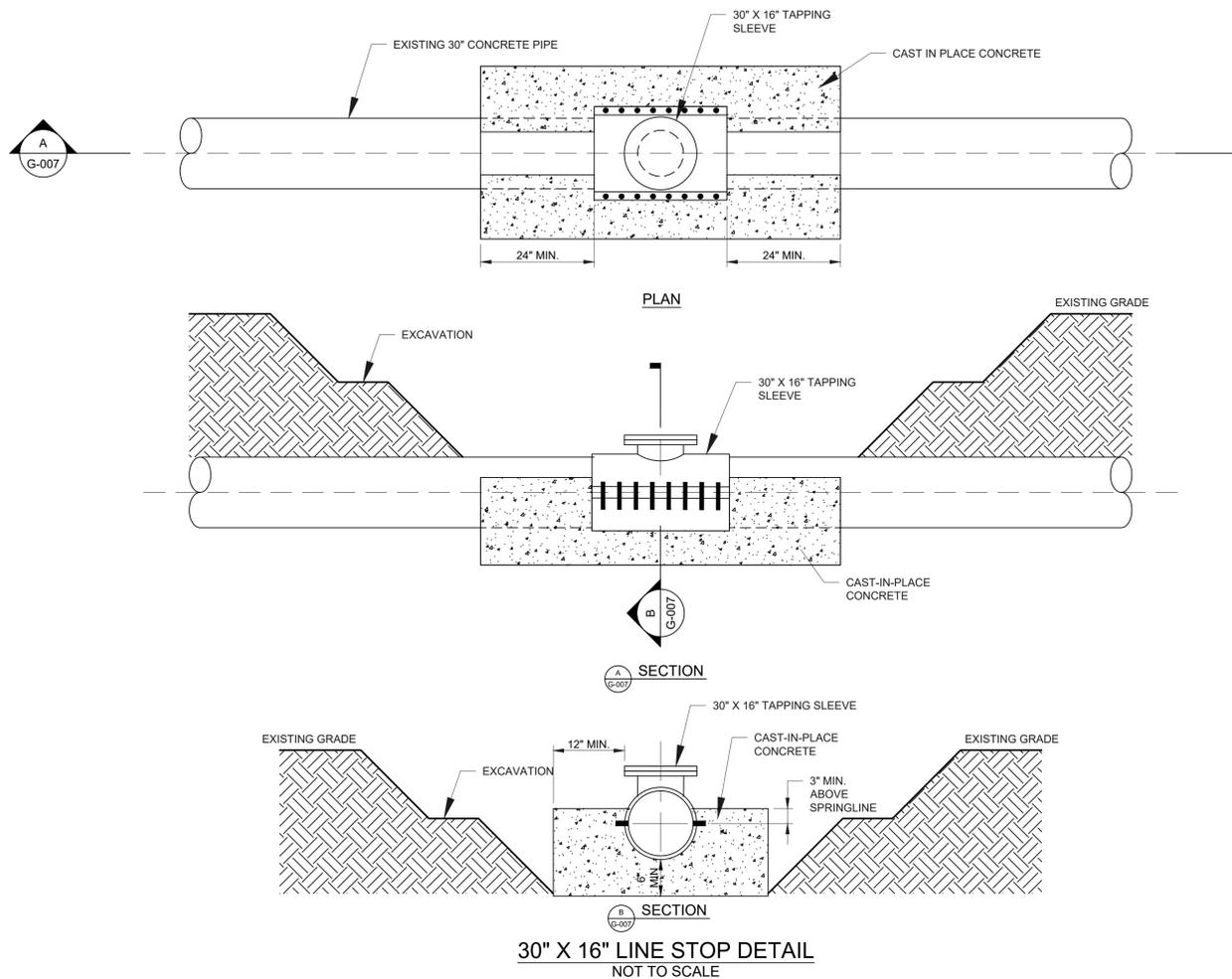
CONCRETE SIDEWALK

NO SCALE



ASPHALT - PAVEMENT

Scale: NTS



30" X 16" LINE STOP DETAIL
NOT TO SCALE

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CLIENT / SUBCONSULTANT:

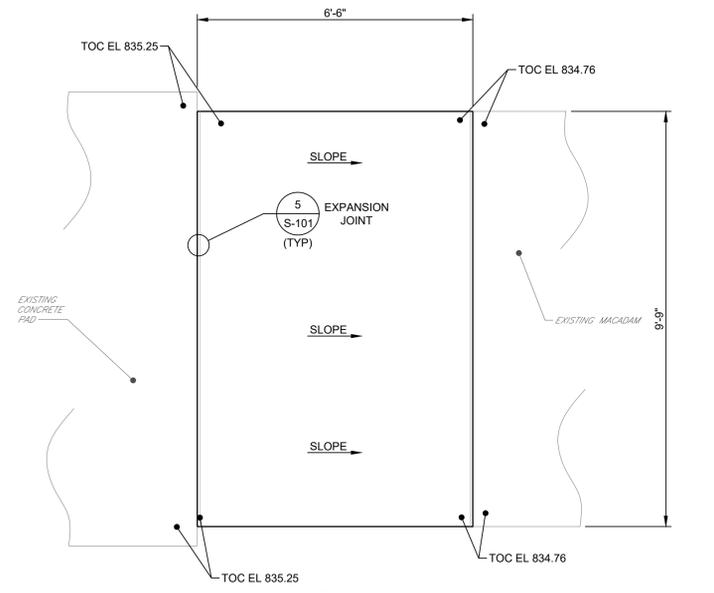


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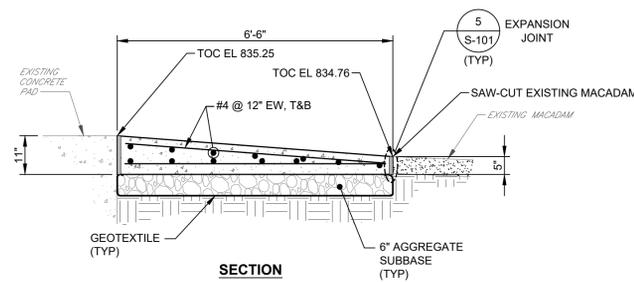
PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **MISCELLANEOUS DETAILS**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: MJS
4						CHECKED BY: CAP
5						DRAWING NUMBER:
6						G-007

CONTRACT NO. **1**



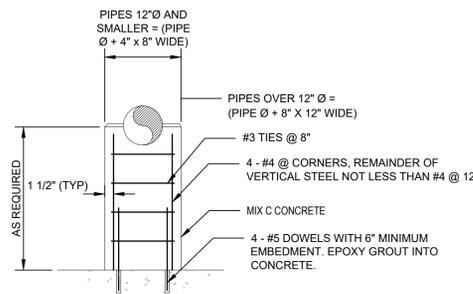
PLAN



SECTION

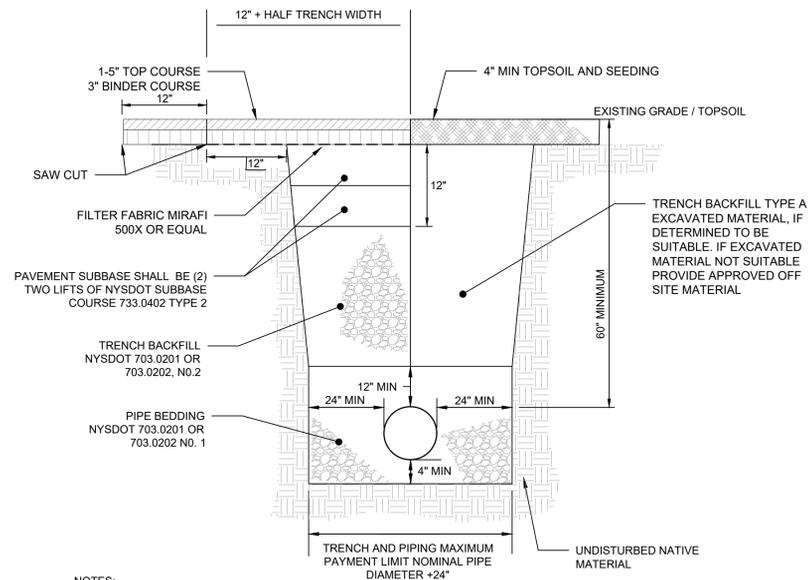
ACCESS RAMP DETAIL

SCALE: 1/2" = 1'-0"



TYPE 'G' PIPE SUPPORT

NOT TO SCALE



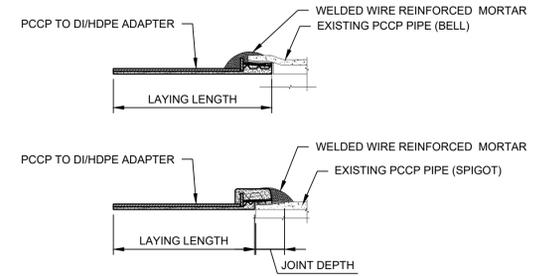
NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL APPLICABLE SAFETY CONDITIONS ALONG TRENCH.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING NECESSARY SIDE SLOPES, AND IF SHORING AND/OR A TRENCH SHIELD IS REQUIRED.
- ALL ROAD PAVEMENT RESTORATION SHALL BE COMPLETED AFTER WATER LINES AND SERVICES ARE INSTALLED AND TESTED.
- ALL OTHER DRIVEWAYS/ROADS, SEE PRIVATE DRIVEWAY/PARKING AREAS RESTORATION DETAIL.
- MAXIMUM PAYMENT LIMITS FOR PERMANENT TRENCH PAVEMENT RESTORATION ARE AS DETAILED ABOVE.
- PAVEMENT CUTS BY THE CONTRACTOR WILL BE MADE WITH A PNEUMATIC SPADE OR OTHER ACCEPTABLE MEANS PRIOR TO EXCAVATION.
- FINAL PAVEMENT RESTORATION: THE CONTRACTOR WILL BE RESPONSIBLE TO SAW CUT AN ADDITIONAL 12" ON EACH SIDE OF EXCAVATION SO AS TO PROVIDE A UNIFORM STRAIGHT EDGE. THE CUT WILL BE THEN COATED WITH A BITUMINOUS TACK COAT AND REPLACED IN THE MANNER DESCRIBED ABOVE.
- PIPE ALIGNMENTS AT OR BELOW BEDROCK SHALL HAVE A MINIMUM OF 12 INCHES OF PIPE BEDDING WRAPPED WITH STABILIZATION GEOTEXTILE.

TRENCHING AND RESTORATION

NOT TO SCALE

TYPE 1 - NORMAL SOIL CONDITIONS

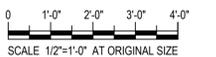


NOTES:

- VERIFY REQUIRED JOINT DEPTH, LAYING LENGTH W/ ADAPTER MANUFACTURER.
- OBTAIN REQUIRED PIPE DIMENSIONS AS NECESSARY.
- INSTALLATION SHALL BE IN CONFORMANCE WITH ADAPTER MANUFACTURERS RECOMMENDATIONS.
- PROVIDE NECESSARY RESTRAINED COUPLING TO MAKE FINAL CONNECTION TO NEW PIPE.

PCCP TO DI OR HDPE ADAPTER

NOT TO SCALE



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CLIENT / SUBCONSULTANT:

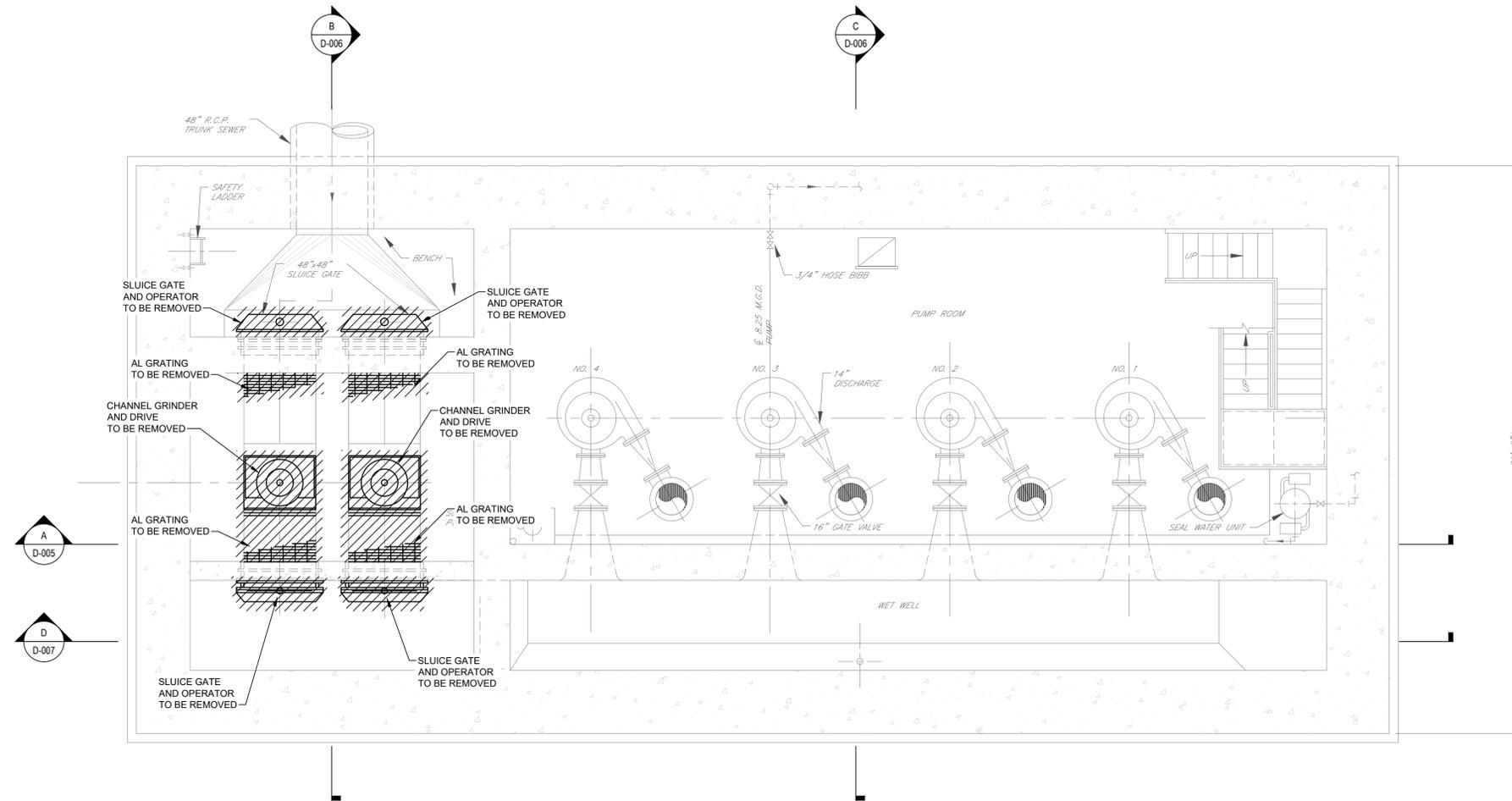


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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **MISCELLANEOUS DETAILS**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: KSD
4						CHECKED BY: MSD
5						DRAWING NUMBER:
6						G-008

CONTRACT NO. **1**

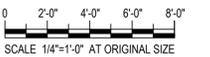


BASEMENT PLAN @ EL 814.00
SCALE: 1/4" = 1'-0"

- LEGEND:**
- MECHANICAL ITEMS AND PIPING TO BE REMOVED
 - CONCRETE AND MASONRY TO BE REMOVED

NOTES:

1. THIS DRAWING HAS BEEN PREPARED TO PROVIDE THE CONTRACTOR WITH A GENERAL SCOPE OF DEMOLITION WORK TO BE REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL ITEMS THAT MAY EFFECT DEMOLITION COSTS INCLUDING BUT NOT LIMITED TO EXACT EQUIPMENT AND PIPING LOCATIONS, ACTUAL EQUIPMENT AND PIPING SIZES, AND ALL INCIDENTAL EQUIPMENT OR PIPING NOT SHOWN BUT PART OF THE EQUIPMENT INDICATED TO BE REMOVED OR EFFECT REMOVAL PROCESS.
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CLIENT / SUBCONSULTANT:

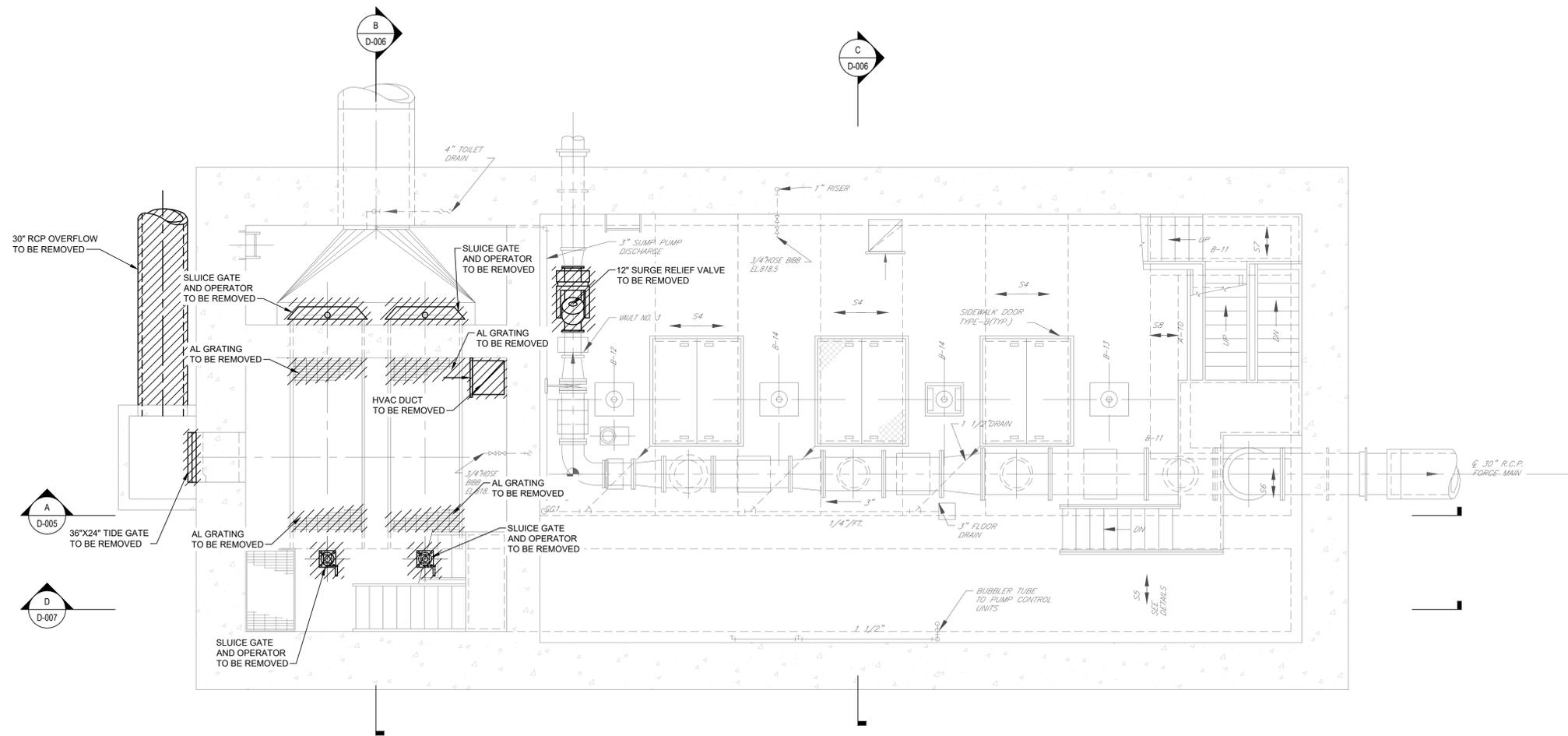


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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION BASEMENT DEMOLITION PLAN**

DRAWINGS ISSUED FOR / REVISIONS		EDR JOB# 24124				
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MSD
5						DRAWING NUMBER:
6						D-001

CONTRACT NO. **1**



INTERMEDIATE PLAN @ EL 816.00
SCALE: 1/4" = 1'-0"

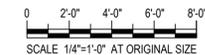


LEGEND:

- MECHANICAL ITEMS AND PIPING TO BE REMOVED
- CONCRETE AND MASONRY TO BE REMOVED

NOTES:

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CLIENT / SUBCONSULTANT:

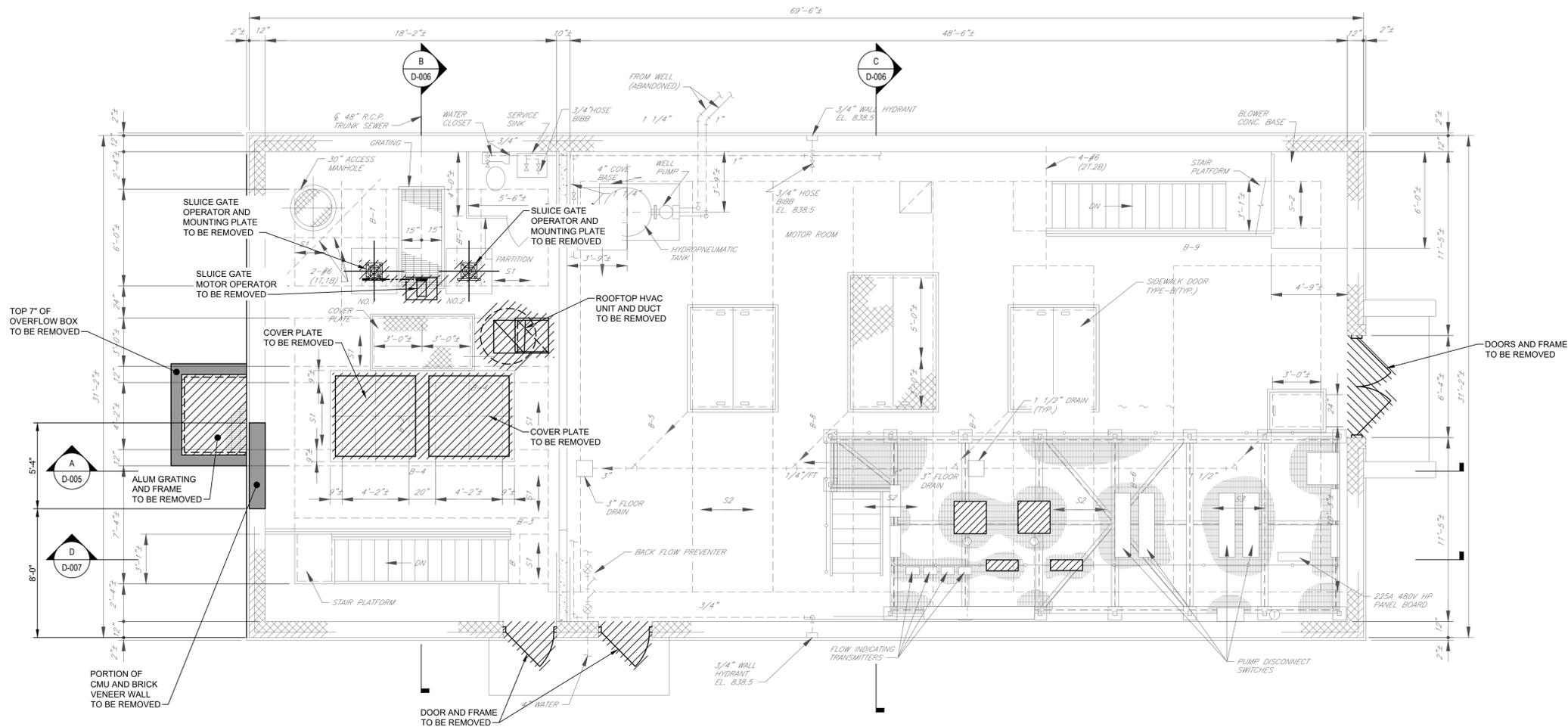


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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION INTERMEDIATE DEMOLITION PLAN**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER:
6						D-002

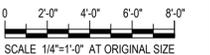
CONTRACT NO. **1**



TOP PLAN @ EL 836.00
SCALE: 1/4" = 1'-0"

- LEGEND:**
- MECHANICAL ITEMS AND PIPING TO BE REMOVED
 - CONCRETE AND MASONRY TO BE REMOVED

- NOTES:**
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CLIENT / SUBCONSULTANT:

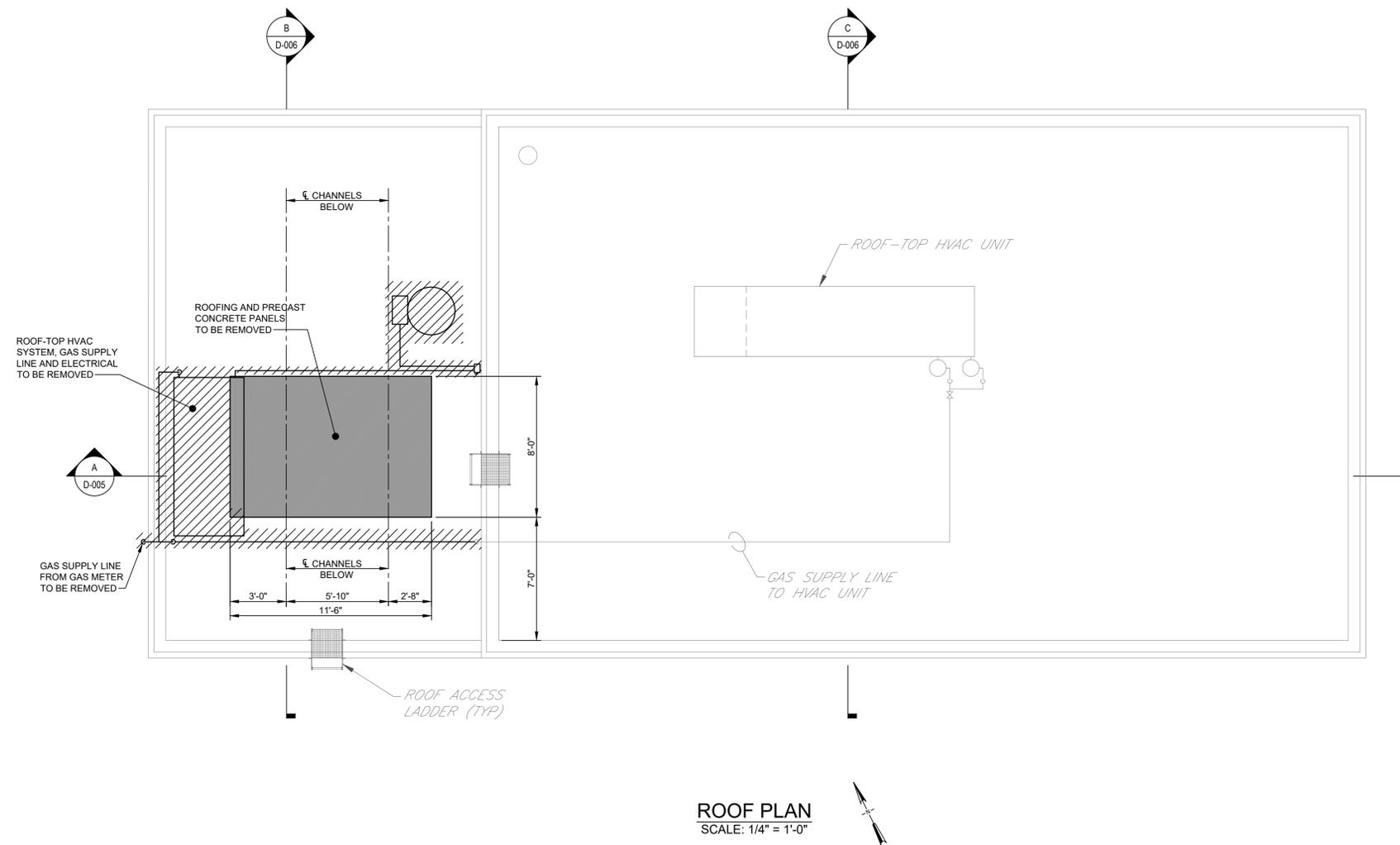


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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION TOP DEMOLITION PLAN**

DRAWINGS ISSUED FOR / REVISIONS		EDR JOB# 24124				
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER:
6						D-003

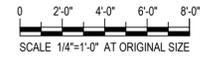
CONTRACT NO. **1**



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

- LEGEND:**
- MECHANICAL ITEMS AND PIPING TO BE REMOVED
 - CONCRETE AND MASONRY TO BE REMOVED

- NOTES:**
1. THIS DRAWING HAS BEEN PREPARED TO PROVIDE THE CONTRACTOR WITH A GENERAL SCOPE OF DEMOLITION WORK TO BE REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL ITEMS THAT MAY EFFECT DEMOLITION COSTS INCLUDING BUT NOT LIMITED TO EXACT EQUIPMENT AND PIPING LOCATIONS, ACTUAL EQUIPMENT AND PIPING SIZES, AND ALL INCIDENTAL EQUIPMENT OR PIPING NOT SHOWN BUT PART OF THE EQUIPMENT INDICATED TO BE REMOVED OR EFFECT REMOVAL PROCESS.
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ORIGINAL DRAWING SIZE: ARCH D (11" X 17")
 1/24/24 Binghamton Terminal Pump Station/Can/Walking Drawings/14 DEMO/04/D-004 - Roof Demo Plan.dwg

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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **PUMP STATION ROOF DEMOLITION PLAN**

CONTRACT NO. **1**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						D-004

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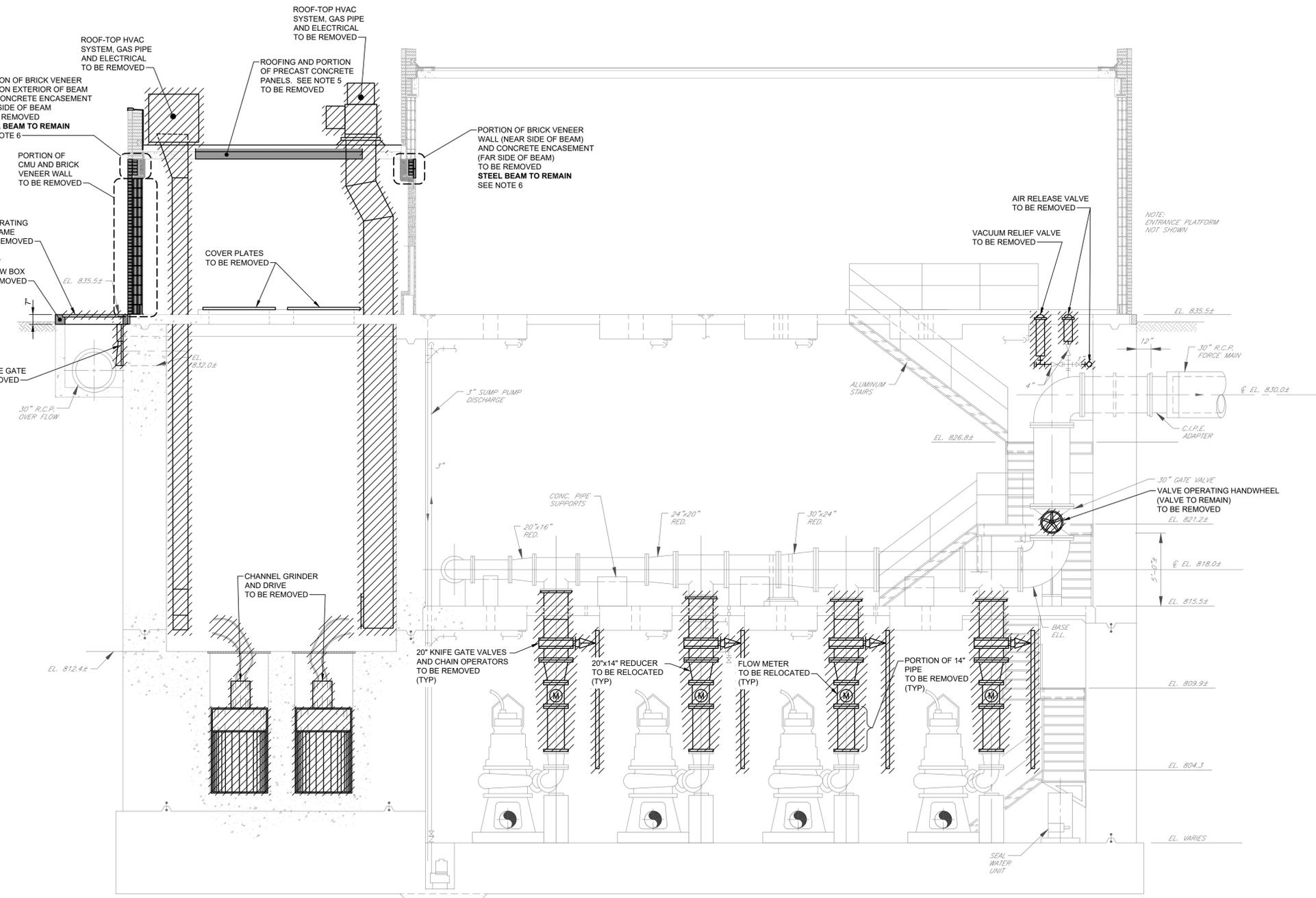
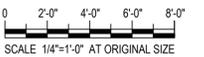
PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **PUMP STATION DEMOLITION SECTION**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
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3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						D-005

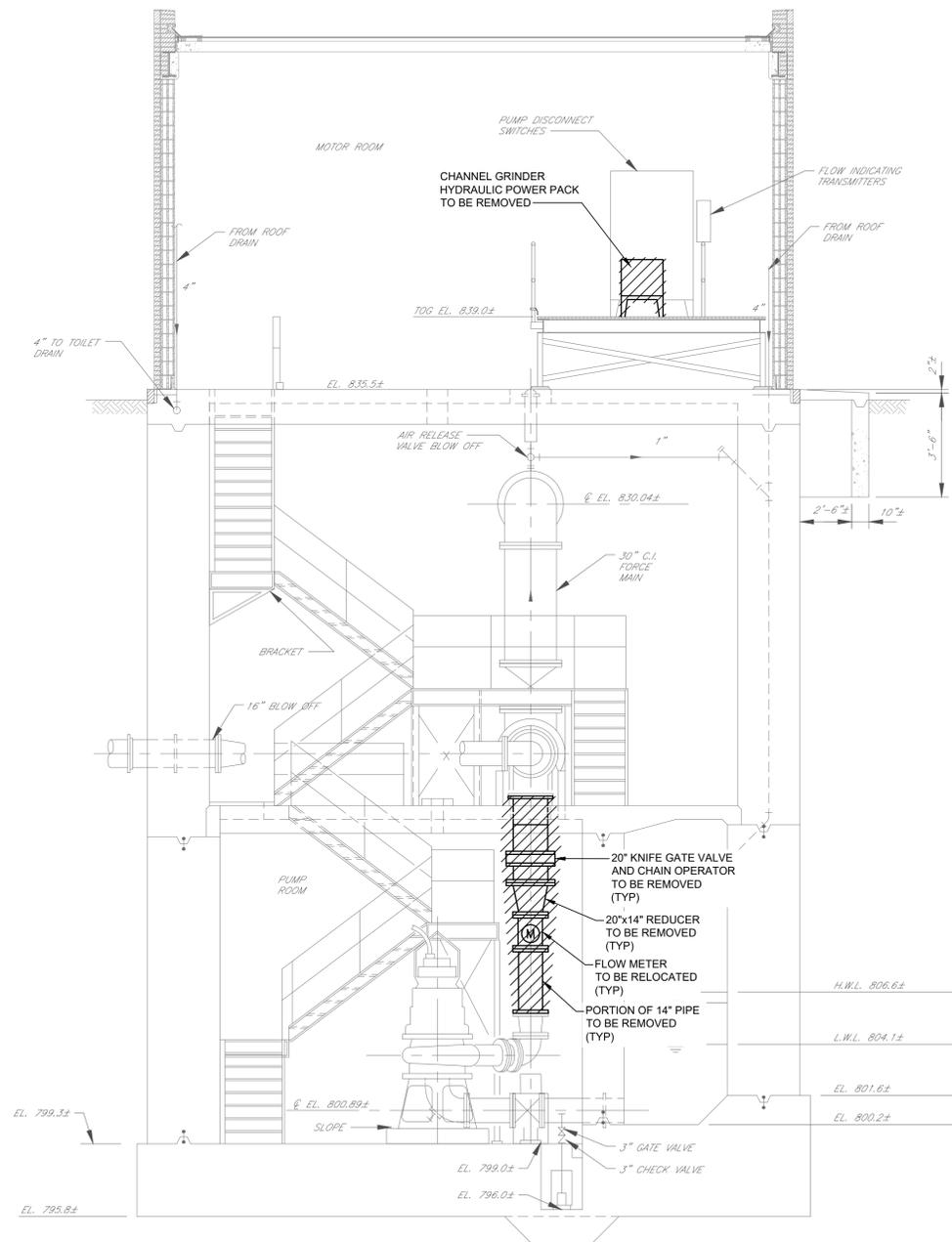
CONTRACT NO. **1**

LEGEND:
 MECHANICAL ITEMS AND PIPING TO BE REMOVED
 CONCRETE AND MASONRY TO BE REMOVED

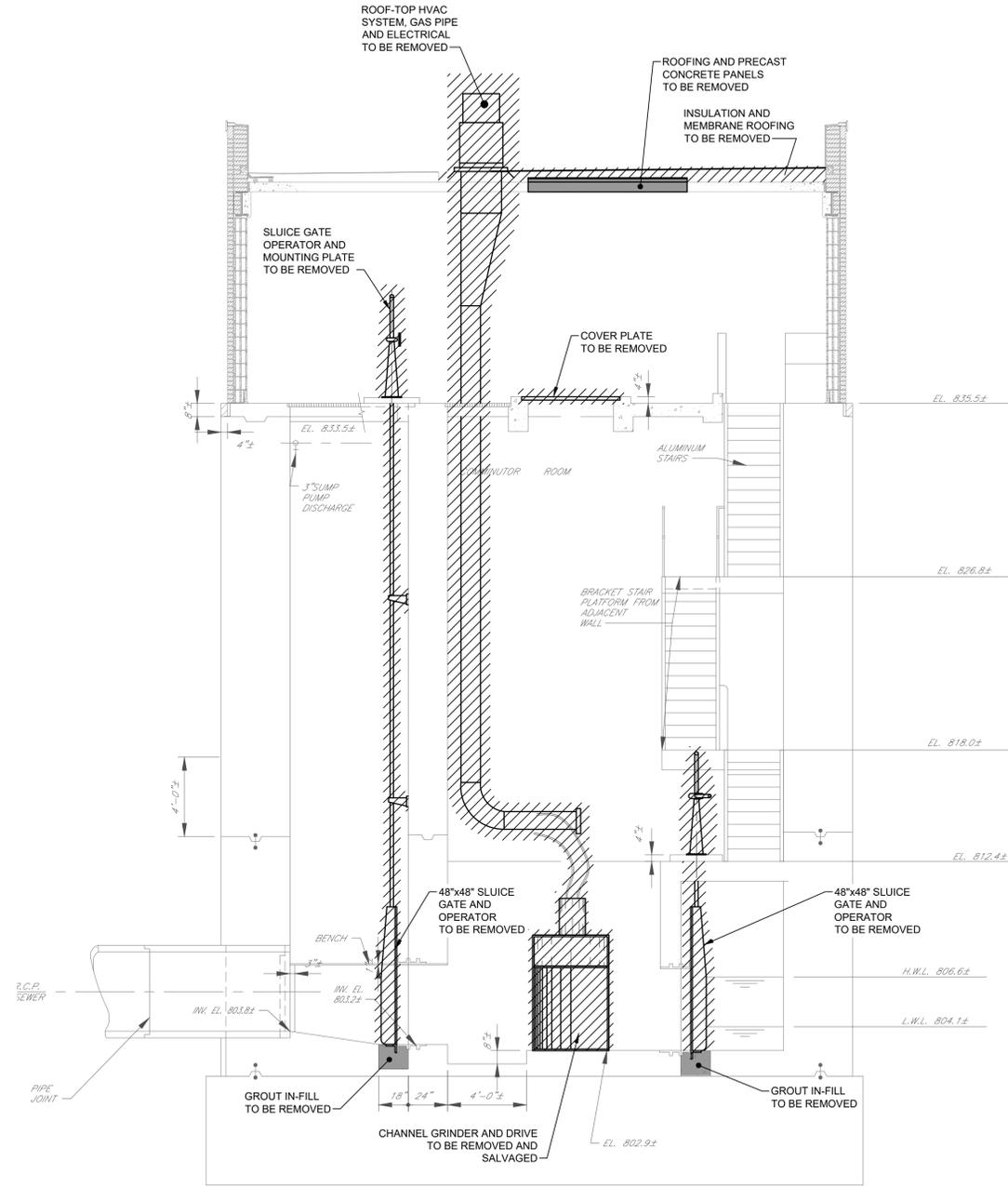
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 - CONCRETE ROOF PANELS SHALL BE ADEQUATELY SUPPORTED THROUGHOUT CUTTING OPENING IN ROOF PANELS AND UNTIL NEW ROOF SUPPORT STRUCTURE IS INSTALLED.
 - CONTRACTOR T FIELD COORDINATE EXTENTS OF BRICK AND CONCRETE TO BE REMOVED WITH THE FINAL LOCATION OF THE ROOF SUPPORT STRUCTURE.
 - SALVAGE - GRINDERS, HYDROPACKS, MOTORS AND CONTROLLERS. TURN OVER TO OWNER AFTER REMOVAL.



SECTION
 A A A A
 D-001 D-002 D-003 D-004
 Scale: 1/4" = 1'-0"



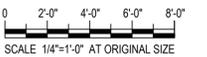
B **B** **B** **B** **SECTION**
 D-001 D-002 D-003 D-004
 Scale: 1/4" = 1'-0"



C **C** **C** **C** **SECTION**
 D-001 D-002 D-003 D-004
 Scale: 1/4" = 1'-0"

LEGEND:
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 - SALVAGE - GRINDERS, HYDROPACKS, MOTORS AND CONTROLLERS. TURN OVER TO OWNER AFTER REMOVAL.



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CLIENT / SUBCONSULTANT:

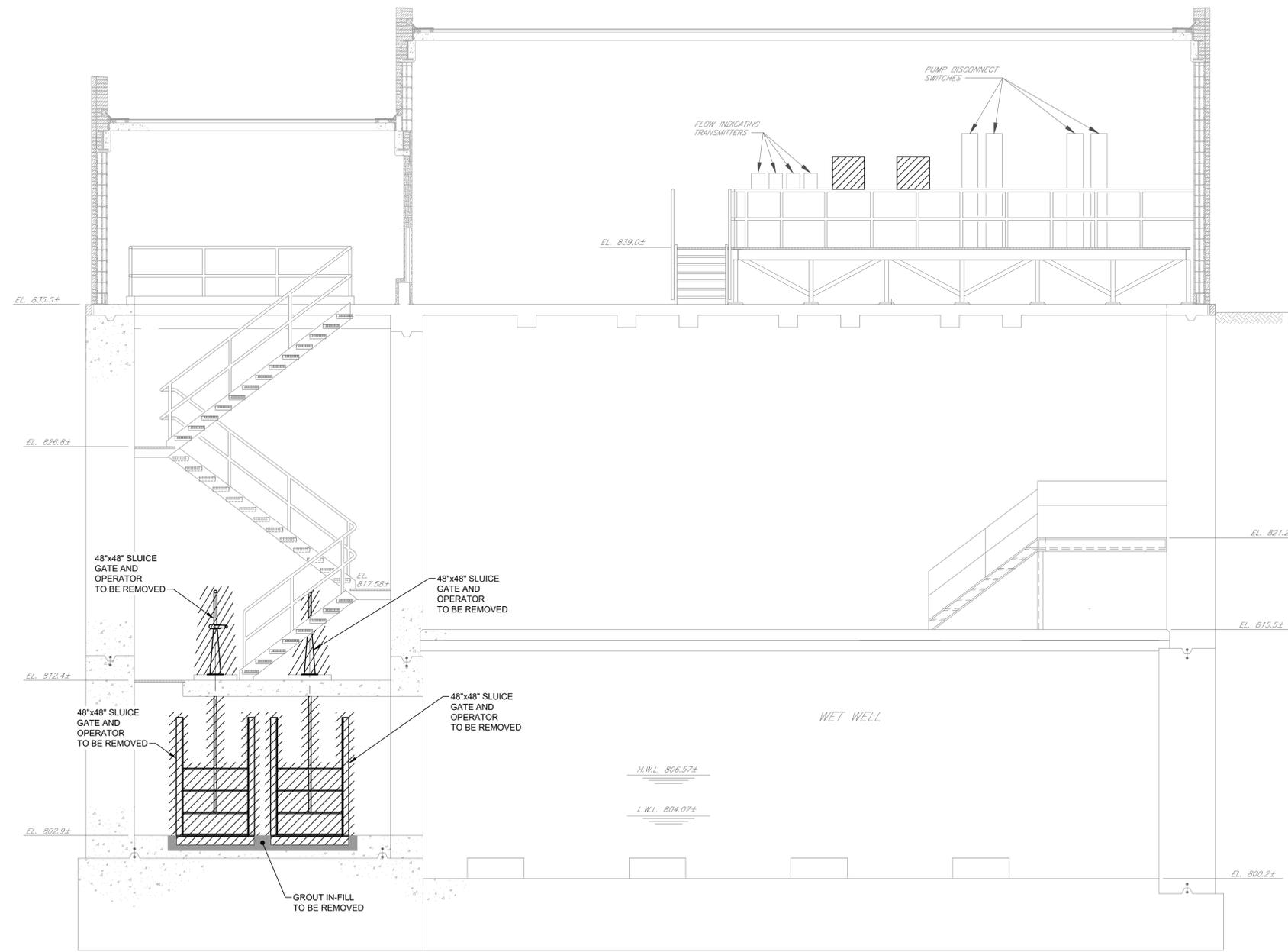


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 Syracuse, New York 13202
 P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **PUMP STATION DEMOLITION SECTIONS**

DRAWINGS ISSUED FOR / REVISIONS			EDR JOB# 24124		
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP
1	02/2026	FOR BID	MIL	ASD	MET
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3					
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DATE: **02/2026**
 SCALE: **AS SHOWN**
 DRAWN BY: **KAD**
 CHECKED BY: **MJL**
 DRAWING NUMBER: **D-006**

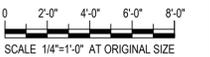


- LEGEND:**
- MECHANICAL ITEMS AND PIPING TO BE REMOVED
 - CONCRETE AND MASONRY TO BE REMOVED

NOTES:

1. THIS DRAWING HAS BEEN PREPARED TO PROVIDE THE CONTRACTOR WITH A GENERAL SCOPE OF DEMOLITION WORK TO BE REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL ITEMS THAT MAY AFFECT DEMOLITION COSTS INCLUDING BUT NOT LIMITED TO EXACT EQUIPMENT AND PIPING LOCATIONS, ACTUAL EQUIPMENT AND PIPING SIZES, AND ALL INCIDENTAL EQUIPMENT OR PIPING NOT SHOWN BUT PART OF THE EQUIPMENT INDICATED TO BE REMOVED OR EFFECT REMOVAL PROCESS.
2. ALL ITEMS SHOWN TO BE DEMOLISHED, DISCONNECT AND / OR CAP PIPES, DRAINS, UTILITIES ETC. AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH OWNER AS TO MATERIALS / ITEMS TO BE REMOVED, OR MATERIALS / ITEMS TO BE RETURNED TO OWNER.
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D
D
D
SECTION
 D-001 / D-002 / D-003 Scale: 1/4" = 1'-0"



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **PUMP STATION
 DEMOLITION SECTION**

DRAWINGS ISSUED FOR / REVISIONS		BY	CHK	APP	DATE
NO.	DATE	ISSUED FOR / REVISION			
1	02/2026	FOR BID	MIL	ASD	MET
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3					
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CONTRACT NO. **1**

EDR JOB# **24124**
 DATE **02/2026**
 SCALE **AS SHOWN**
 DRAWN BY: **KAD**
 CHECKED BY: **MJL**
 DRAWING NUMBER **D-007**

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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **REGULATOR VAULT No. 3
 PLANS AND SECTIONS - DEMOLITION**

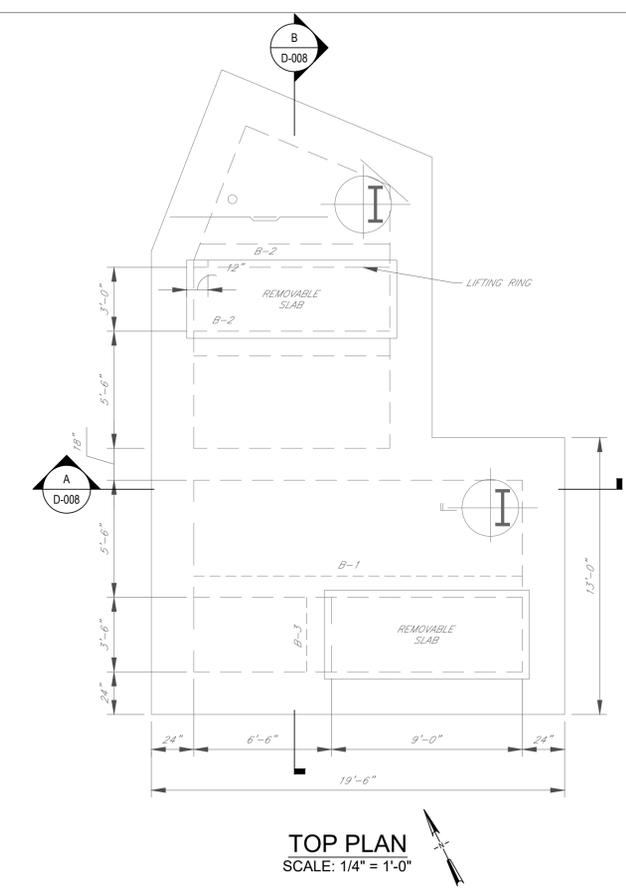
CONTRACT NO. **1**

DRAWINGS ISSUED FOR / REVISIONS			EDR JOB# 24124		
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP
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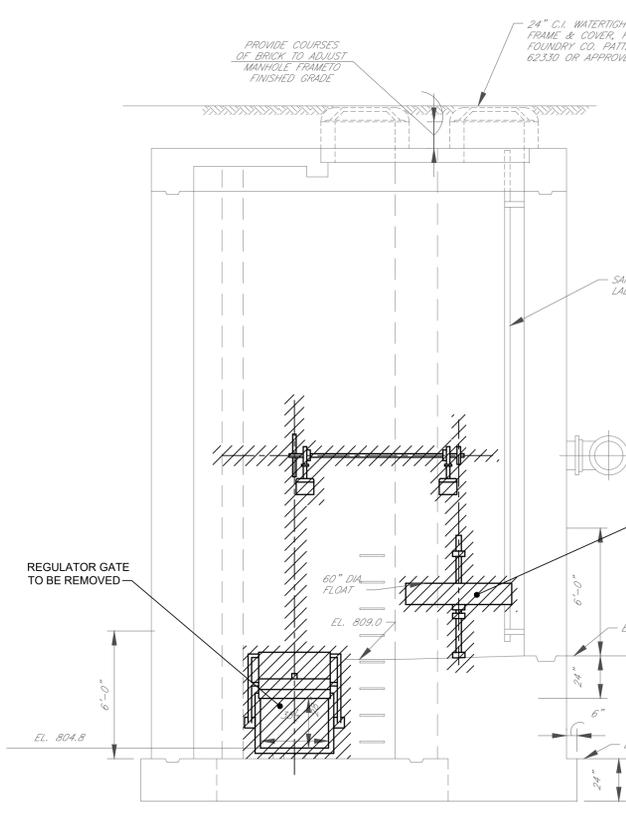
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 DRAWN BY: **KAD**
 CHECKED BY: **MJL**
 DRAWING NUMBER: **D-008**



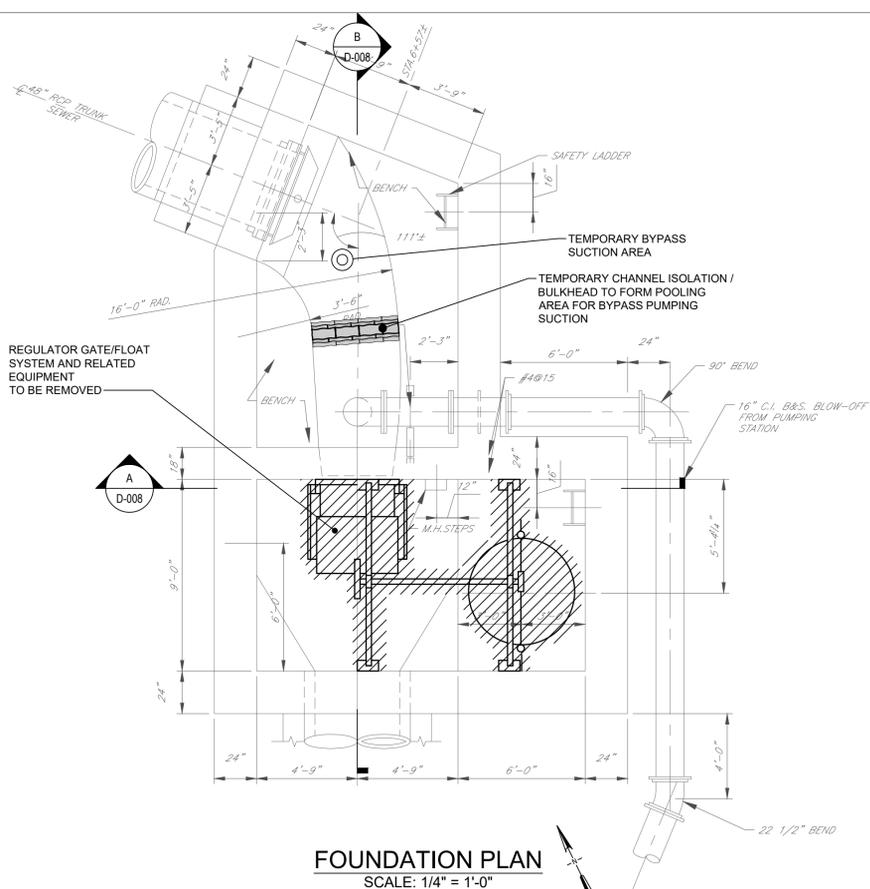
- LEGEND:**
- MECHANICAL ITEMS AND PIPING TO BE REMOVED
 - CONCRETE AND MASONRY TO BE REMOVED
- NOTES:**
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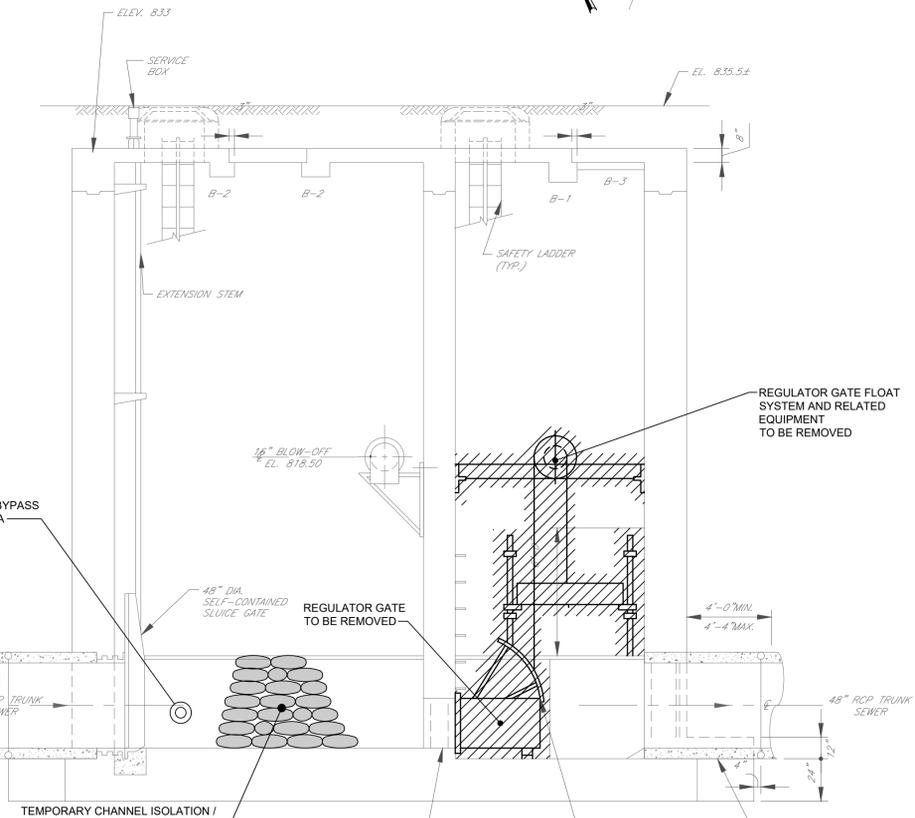
TOP PLAN
 SCALE: 1/4" = 1'-0"



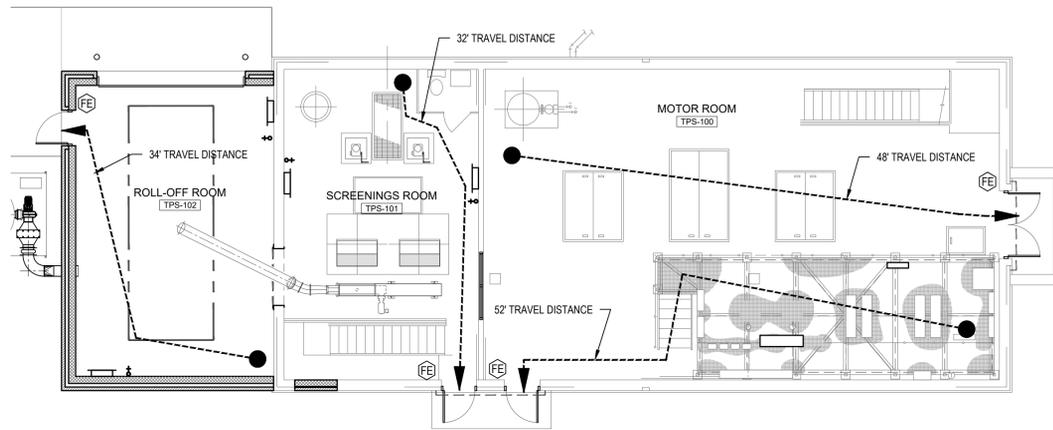
B SECTION
 Scale: 1/4" = 1'-0"



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



A SECTION
 Scale: 1/4" = 1'-0"

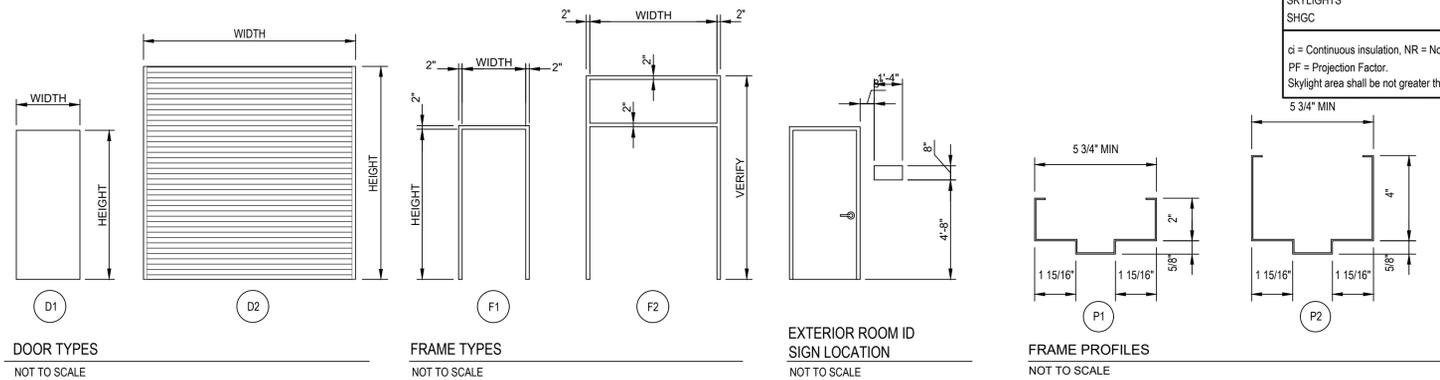


EGRESS / EXITING PLAN

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

LEGEND:

- = TRAVEL DISTANCE
- = 2 HOUR RATED WALL
- FE = FIRE EXTINGUISHER



DOOR TYPES

NOT TO SCALE

FRAME TYPES

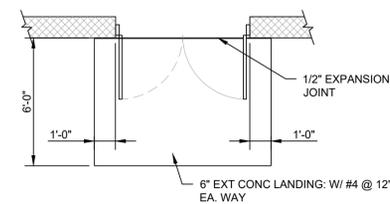
NOT TO SCALE

EXTERIOR ROOM ID SIGN LOCATION

NOT TO SCALE

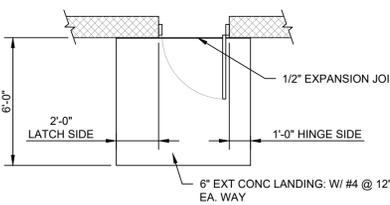
FRAME PROFILES

NOT TO SCALE



DOUBLE DOOR APRON DETAIL

NOT TO SCALE



PASS DOOR APRON DETAIL

NOT TO SCALE

ENERGY CODE SUMMARY 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE		
TERMINAL PUMP STATION		
CLIMATE ZONE	ZONE 5	AS DESIGNED
ROOFS:		
INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci	R-31.79ci
METAL BUILDINGS	R-19-R-11 LS	
ATTICS AND OTHERS	R-38	
WALLS ABOVE GRADE:		
MASSG	R-11.4ci	R-18.4ci
METAL BUILDINGS	R-13-R-13ci	
METAL FRAMED	R-13+R-7.5ci	
WOOD FRAMED	R-13+R-7.5ci	R-20
WALLS BELOW GRADE:		
BELOW GRADE WALLS	R-7.5ci	R-29.03ci
FLOORS:		
MASSE (OVER UNCONDITIONED SPACES)	R-10ci	
JOIST / FRAMING (OVER UNCONDITIONED SPACES)	R-30	
SLAB-ON-GRADE (UNHEATED SLABS)	R-10-24" BELOW	
SLAB-ON-GRADE (HEATED SLABS)	R-15-36" BELOW +R-5 FULL SLAB	
VERTICAL FENESTRATION		
FIXED	U-0.38	
OPERABLE	U-0.45	
ENTRANCE DOORS		
SHGC	U-0.77	U-0.083
PF < 0.2	U-0.38	
0.2 ≤ PF ≤ 0.5	U-0.46	
PF > 0.5	U-0.61	
DOORS (NON-SWING)		
SHGC	U-0.211	U-0.13
SKYLIGHTS		
SHGC	U-0.50	
	U-0.40	

ci = Continuous insulation, NR = No Requirement, LS = Liner System.
PF = Projection Factor.
Skylight area shall be not greater than 3 percent of the gross roof area.

BUILDING CODE SUMMARY 2020 NEW YORK STATE IBC TERMINAL PUMP STATION	
TOPIC	ALLOWED OR REQUIRED PER BUILDING CODE OF NEW YORK STATE 2020
OCCUPANCY CLASSIFICATION (CHAPTER 3)	LOW-HAZARD FACTORY INDUSTRIAL, GROUP F-2
CONSTRUCTION TYPE	CONSTRUCTION TYPE IIA PER TABLE 601
BUILDING HEIGHT AND AREA	ALLOWABLE BUILDING HEIGHT: TABLE 504.3 = 55' ALLOWABLE NUMBER OF STORIES: TABLE 504.4 = 3 ALLOWABLE AREA IN SQUARE FEET: TABLE 506.02 = 23,000
BUILDING AREA	600 SQ. FT. PROPOSED
OCCUPANT LOADS TABLE 1004.5: MECHANICAL EQUIPMENT ROOM = 1/300 SQ.FT.	DUMPSTER ROOM = 510 SQ. FT. = 2 OCCUPANTS
PROTECTION OF CORRIDOR	N/A
NUMBER OF EXITS REQUIRED	SCREENINGS / DUMPSTER ROOMS - 1 EXIT REQUIRED: 2 EXITS SHOWN
ACCESSIBILITY	NOT APPLICABLE: ALL SPACES IN THIS BUILDING QUALIFY AS "MACHINERY ROOMS" AS DEFINED IN THE 2010 ADAAG
FIRE SEPARATION REQUIREMENTS	N/A
AUTOMATIC FIRE SUPPRESSION OR EXTINGUISHING SYSTEM REQUIREMENTS	N/A

MATERIALS LEGEND:

- CONCRETE MASONRY
- BLOCKING OR FRAMING, CONTINUOUS
- BLOCKING OR SHIM, NOT CONTINUOUS
- PLYWOOD OR LAMINATED VENEER LUMBER
- GYPSUM DRYWALL
- RIGID INSULATION
- FIBERGLASS BATT INSULATION
- EARTH
- COMPACTED BACKFILL
- CONCRETE
- GROUT
- FERROUS OR NON-FERROUS METAL IN SECTION

DRAWING SYMBOLS:

- DOOR NUMBER
- ROOM NAME & NUMBER
- LOUVER NUMBER
- FIRE EXTINGUISHER
- SECTION
- PARTIAL PLAN OR DETAIL

TERMINAL PUMP STATION BUILDING CODE SUMMARY 2020 NEW YORK STATE EXISTING BUILDING CODE	
TOPIC	ALTERATIONS - LEVEL 1 CHAPTER 7
ALTERATION LEVEL	ALTERATIONS - LEVEL 1 CHAPTER 7
CONFORMANCE	701.2 CONFORMANCE: AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITIONS.
OCCUPANCY CLASSIFICATION	NO CHANGE FROM EXISTING
CONSTRUCTION TYPE: HEIGHT AND AREA	NO CHANGE FROM EXISTING

LOUVER INSTALLATION SCHEDULE

LOUVER NO.	LOCATION (SEE PLAN & ELEVATIONS)	DETAILS: AS REFERENCED			
		HEAD DETAIL	SILL DETAIL	JAMB DETAIL	LINTEL
EF-1	MECH ROOM - NORTH ELEVATION	LH1	LS1	LJ1	1
LV-1	MECH ROOM - SOUTH ELEVATION	LH1	LS1	LJ1	1

LOUVER NOTES:

LOUVER ACCESSORIES, INCLUDING MOUNTING ANGLES & SILL FLASHINGS FOR LOUVERS, ARE TO BE FURNISHED & INSTALLED BY CONTRACT 3. FASTENERS, SHIMS & OTHER ACCESSORIES FOR LOUVER INSTALLATION ARE ALSO TO BE FURNISHED & INSTALLED BY CONTRACT 3, EXCEPT THAT HEAD FLASHINGS & EXTERIOR CASING TYPE TRIMS ARE TO BE FURNISHED & INSTALLED BY CONTRACT 1. SEALANTS, DAMPPROOFING, WATERPROOFING BY CONTRACT 1.

LOUVER FLASHING & MOUNTING ANGLE DIMENSIONS & CONFIGURATIONS, AS WELL AS FINISHES AND FINISH COLORS, ARE TO BE AS SHOWN BY THE DETAILS REFERENCED BY THE LOUVER INSTALLATION SCHEDULE IN THE ARCHITECTURAL DRAWINGS, & AS INDICATED BY THE EXTERIOR FINISH SCHEDULE IN THE ARCHITECTURAL DRAWINGS.

LOUVERS ARE TO BE FURNISHED & INSTALLED BY CONTRACT 3 IN COMPLIANCE WITH THE SPECIFICATIONS, THE LOUVER & MOTOR OPERATED DAMPER SCHEDULE IN THE HVAC DRAWINGS, & OTHER INFORMATION SHOWN IN THE HVAC DRAWINGS. LOUVER FINISHES & FINISH COLORS ARE TO BE AS INDICATED BY THE EXTERIOR FINISH SCHEDULE IN THE ARCHITECTURAL DRAWINGS.

KEY TO LOUVER SCHEDULE:

LV = LOUVER
NO = NUMBER
SIB = SIMILAR
UNO = UNLESS NOTED OTHERWISE
EX = EXISTING OPENING

KEY TO FINISH ABBREVIATIONS:

ACT = ACOUSTICAL CEILING TILE
CLR = COLOR
FIN = FINISH
HT = HEIGHT
CRF = CHEMICAL RESISTANT FINISH
PT = COATING SYSTEM
EP = SLIP RESISTANT EPOXY COATING
F = LIQUID HARDENED FINISH ON CONCRETE
FCFY = FACTORY FINISH
GWB = GYPSUM WALLBOARD
I = SPRAYED URETHANE INSULATION WITH THERMAL BARRIER
MNF = MANUFACTURER SUPPLIED
MATL = MATERIAL
NO = NUMBER
RB = RUBBER BASE
S = CONCRETE FLOOR SEALANT
VIF = VERIFY IN FIELD
TBD = TO BE DETERMINED
ALUM = ALUMINUM
CMU = CONCRETE MASONRY UNIT
CMUA = ACOUSTICAL CMU
CMUG = GLAZED CMU
CONC = CONCRETE (CAST-IN-PLACE)
CT = CERAMIC TILE
CCT = CERAMIC COVED TILE
EX or EXIST = EXISTING
EXP = EXPOSED UNDERSIDE OF ROOF ASSEMBLY (INCLUDES INSULATION & VAPOR RETARDER)
FRP = FIBERGLASS REINFORCED PLASTIC
FPWD = FIBERGLASS FACED PLYWOOD
GWB = GYPSUM WALL BOARD
EP = EPOXY FLOOR
PLANK = PRECAST CONCRETE PLANK
QT = QUARRY TILE
RSF = RESILIENT SHEET FLOORING
STL = STEEL
STL/C = STEEL W/ CONCRETE FILL

DOOR HARDWARE SCHEDULE											
HARDWARE SET NO.	THRESHOLD	HINGES 3 PER PANEL	LOCKSET / LATCHSET	EXT DEVICE PANIC HARDWARE	CLOSER	OVERHEAD DOOR STOP & HOLDER	SURFACE MOUNTED SLIDE BOLTS	ASTRAGAL W/ WEATHERSTRIP (HEAD, JAMB & SILL)	SMOKE TIGHT SEAL	NOTES	
1	✓	✓	✓	✓	✓	✓	✓	✓	✓	1. FIELD VERIFY EXISTING OPENINGS	
2	✓	✓	✓	✓	✓	✓	✓	✓	✓		

KEY TO DOOR SCHEDULE:

ALUM = ALUMINUM
CIT = CLEAR INSULATED TEMPERED GLASS
CLAM = CLEAR LAMINATED GLASS
CSG = CLEAR SAFETY GLASS
CT = CLEAR TEMPERED
CWG = CLEAR WIRE GLASS
FCFY = FACTORY FINISH
FRP = FIBERGLASS REINFORCED PLASTIC

DOOR NUMBER	DOOR							FRAME				DETAILS: SEE DETAILS ON ARCHITECTURAL SHEETS			LINTEL	LABEL	HARDWARE SET	NOTE NO.	NOTES
	SIZE			MATERIAL	TYPE	GLASS	FINISH	MATERIAL	TYPE	PROFILE	FINISH	HEAD	JAMB	SILL					
	WIDTH	HEIGHT	THICK.																
TPS-101	3'-0"	7'-0"	1-3/4"	HM	D1	-	PT	HM	F1	P2	PT	DH1	DJ1	DS1	1	1		1. FIELD VERIFY EXISTING OPENINGS	
TPS-102	14'-0"	10'-0"	1-3/4"	ALUM	D2	-	PT	STL	-	-	PT	DH2	DJ2	DS2	2	-			
TPS-103	3'-0"	7'-0"	1-3/4"	HM	D1	-	PT	HM	F1	P1	PT	DH3	DJ3	DS3	-	1	1		
TPS-104	3'-0"	7'-0"	1-3/4"	HM	D1	-	PT	HM	F1	P1	PT	DH3	DJ3	DS3	-	1	1		
TPS-105	(2) 3'-0"	7'-0"	1-3/4"	HM	D1	-	PT	HM	F2	P1	PT	DH3	DJ3	DS3	-	2	1		

ROOM FINISH SCHEDULE																								
ROOM NUMBER	ROOM NAME	FLOOR				WALLS												CEILING				NOTE NO.	NOTES	
		MATL	FIN	CLR	BASE	NORTH			SOUTH			EAST			WEST			MATL	FIN	CLR	HT			
TPS-003	PUMP ROOM	EXIST	EP	TBD	EP	EXIST	PT	TBD	EXIST	PT	TBD	12'-0"±												
TPS-002	INTERMEDIATE LEVEL	EXIST	EP	TBD	EP	EXIST	PT	TBD	EXIST	PT	TBD	12'-0"±												
TPS-100	MOTOR ROOM	EXIST	EP	TBD	EP	EXIST	PT	TBD	EXIST	PT	TBD	12'-0"±												
TPS-101	SCREENINGS ROOM	EXIST	EP	TBD	EP	EXIST	PT	TBD	EXIST	PT	TBD	10'-0"±												
TPS-102	ROLL-OFF ROOM	CONC	S	-	-	CMU	PT	TBD	CMU	PT	TBD	EXIST	PT	TBD	CMU	PT	TBD	CONC PLANK	PT	TBD	12'-0"±			



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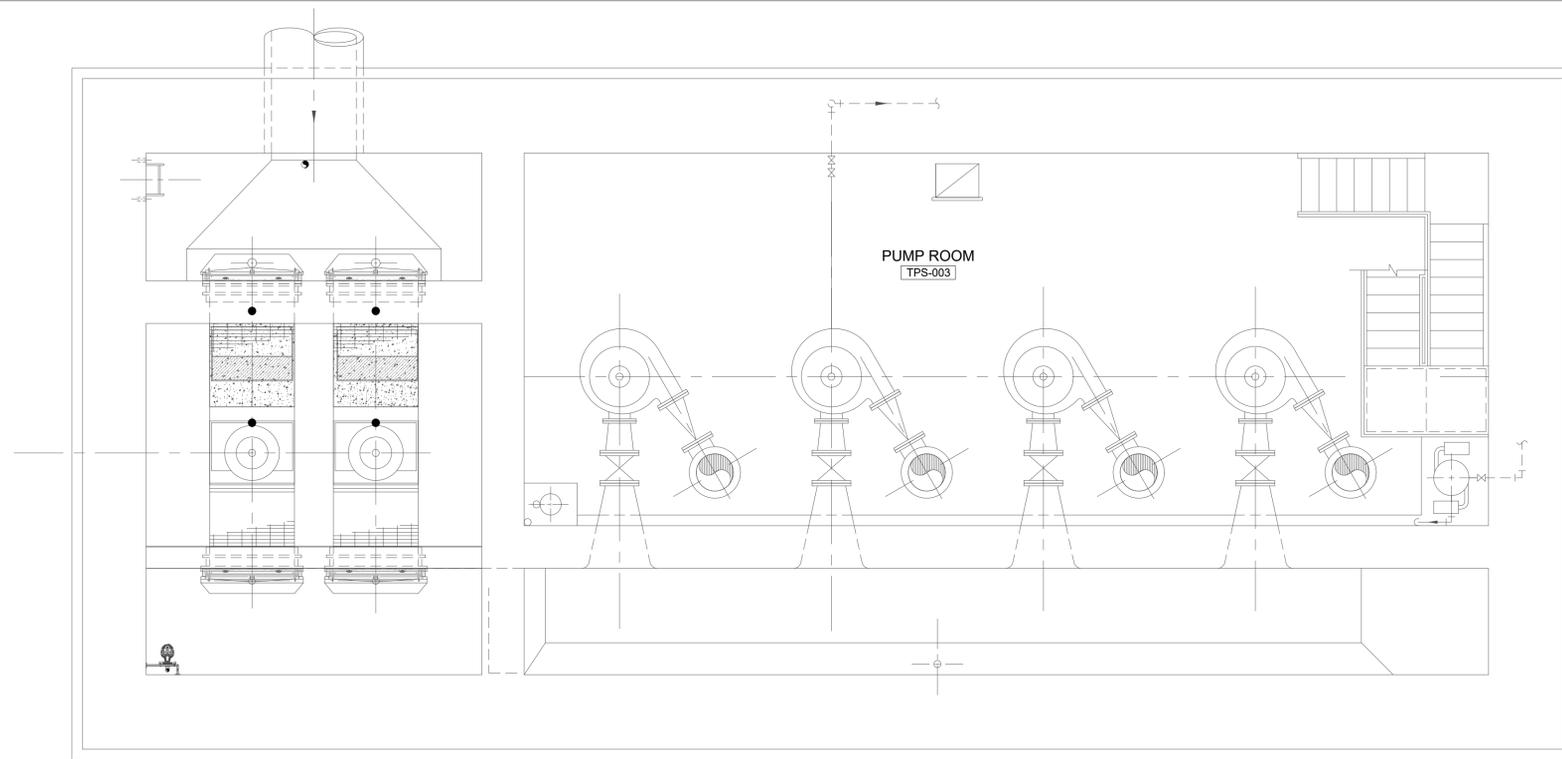
PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

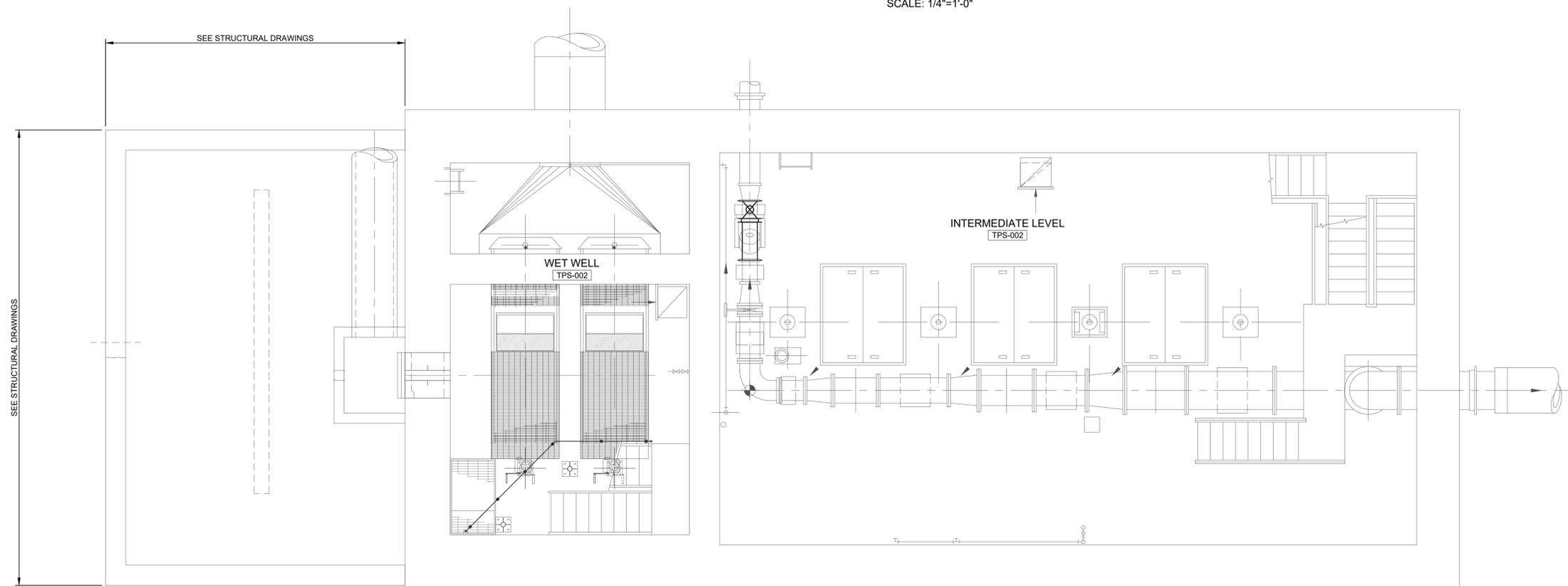
CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **PUMP STATION EGRESS PLANS / SCHEDULES / CODES**

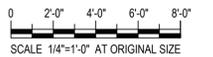
DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
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2						SCALE: AS SHOWN
3						DRAWN BY: MJS
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						A-101



LOWER LEVEL PLAN
SCALE: 1/4"=1'-0"



INTERMEDIATE LEVEL PLAN
SCALE: 1/4"=1'-0"



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P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION LOWER LEVEL PLANS**

DRAWINGS ISSUED FOR / REVISIONS			BY	CHK	APP	DATE	EDR JOB#
NO	DATE	ISSUED FOR / REVISION	MIL	ASD	MET	02/2026	24124
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2							DRAWN BY: MJS
3							CHECKED BY: MJL
4							DRAWING NUMBER:
5							A-102
6							

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CLIENT / SUBCONSULTANT:

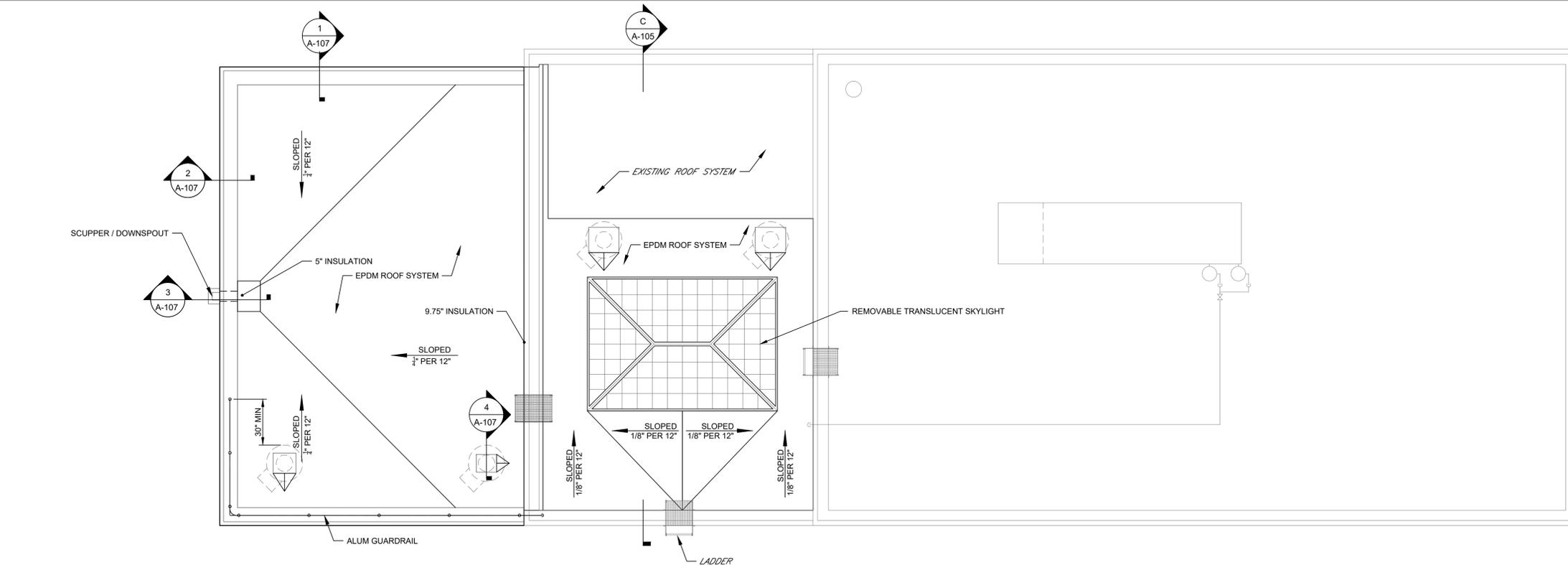


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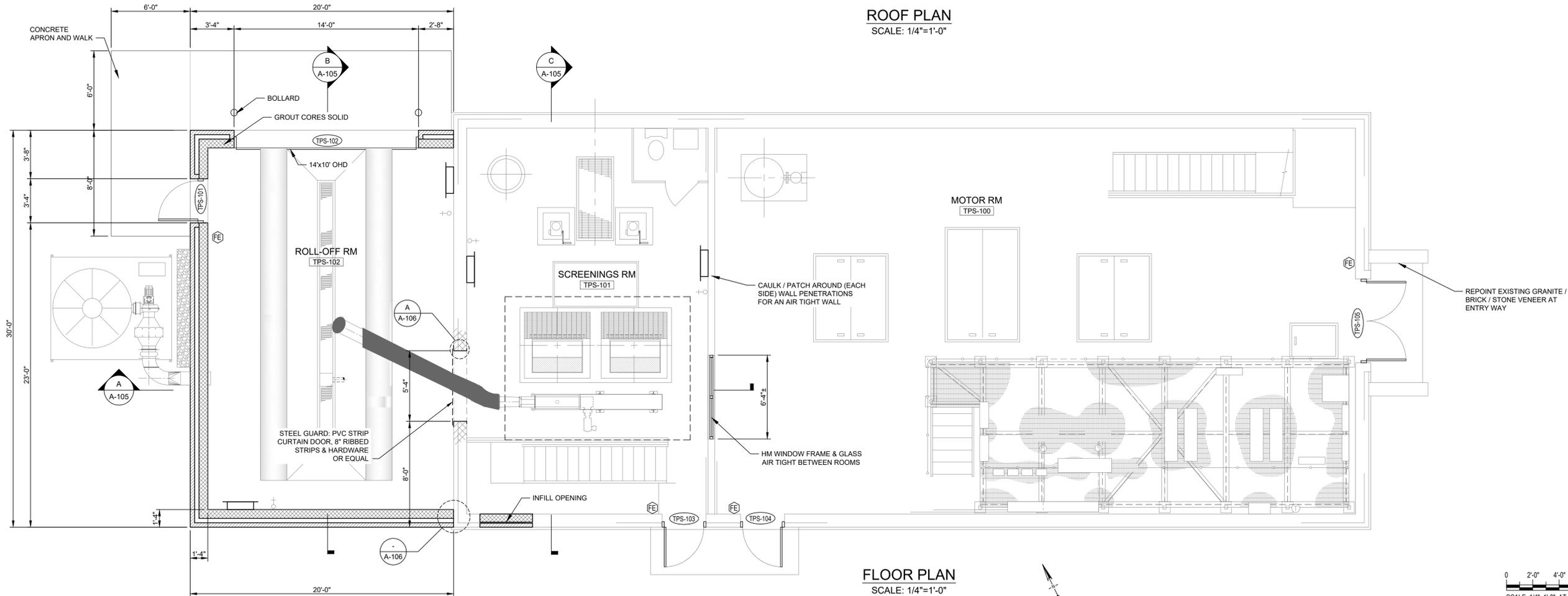
PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: BINGHAMTON, NY
 CLIENT: CITY OF BINGHAMTON, NEW YORK
 DRAWING TITLE: **PUMP STATION: FLOOR PLAN / ROOF PLAN**

DRAWINGS ISSUED FOR / REVISIONS			EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP
1	02/2026	FOR BID	MIL	ASD	MET
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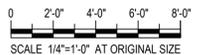
SCALE: **AS SHOWN**
 DRAWN BY: **MJS**
 CHECKED BY: **MJL**
 DRAWING NUMBER: **A-103**



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

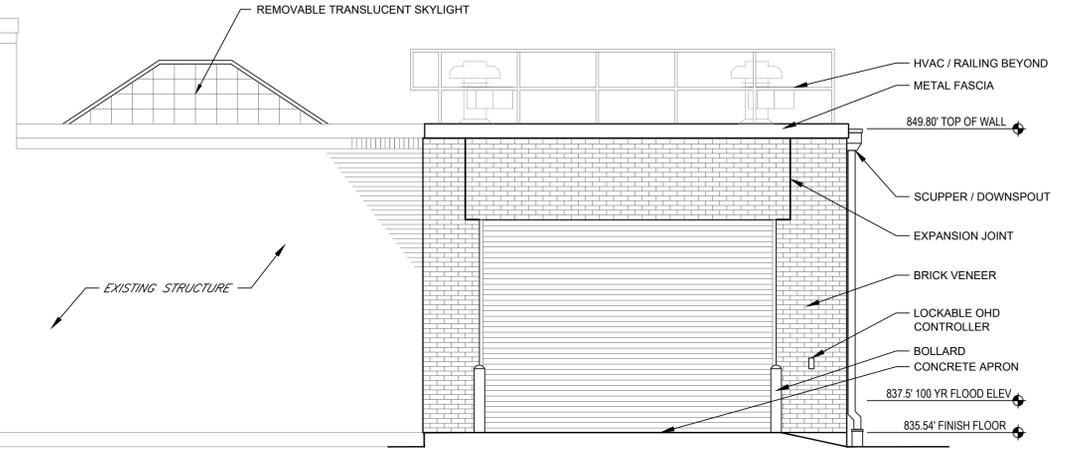


FLOOR PLAN
 SCALE: 1/4"=1'-0"

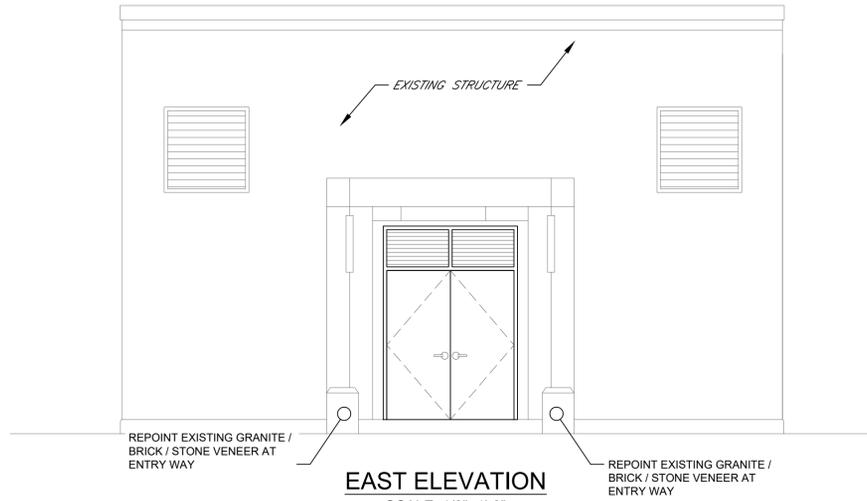


BINGHAMTON - JOHNSON CITY JOINT SEWAGE SYSTEM
TERMINAL PUMPING STATION

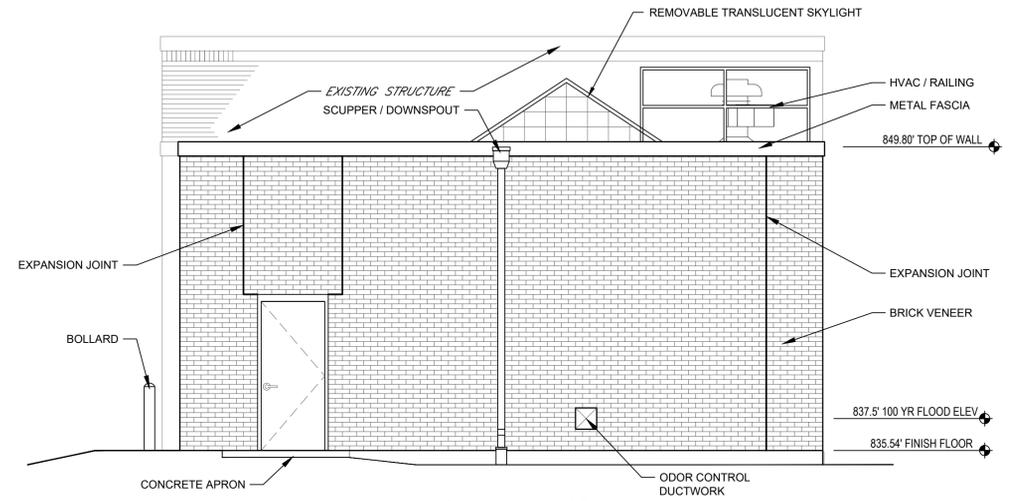
EL. 836.0



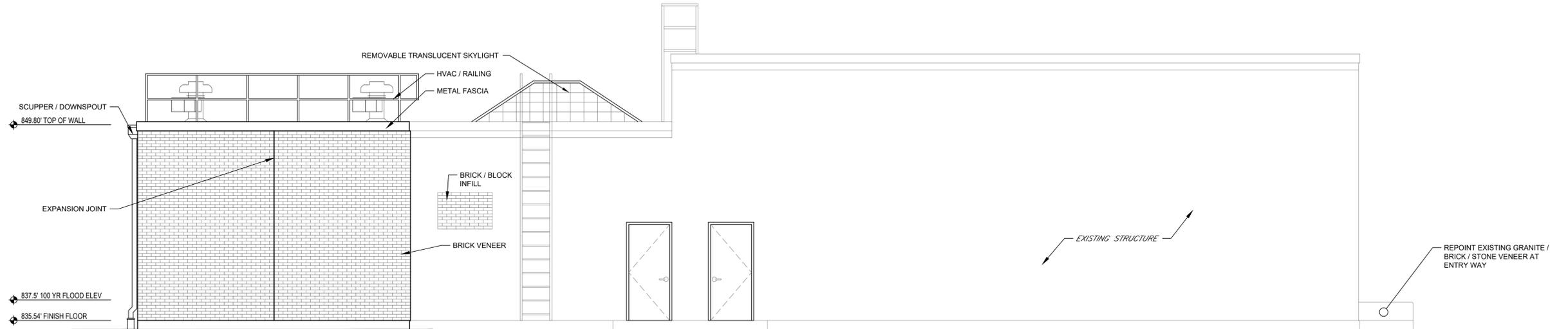
NORTH ELEVATION
SCALE: 1/8"=1'-0"



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



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



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



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CLIENT / SUBCONSULTANT:



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: BINGHAMTON, NY
CLIENT: CITY OF BINGHAMTON, NEW YORK
DRAWING TITLE: **PUMP STATION: BUILDING ELEVATIONS**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: MJJ
4						CHECKED BY: MJJ
5						DRAWING NUMBER
6						A-104

CONTRACT NO.
1

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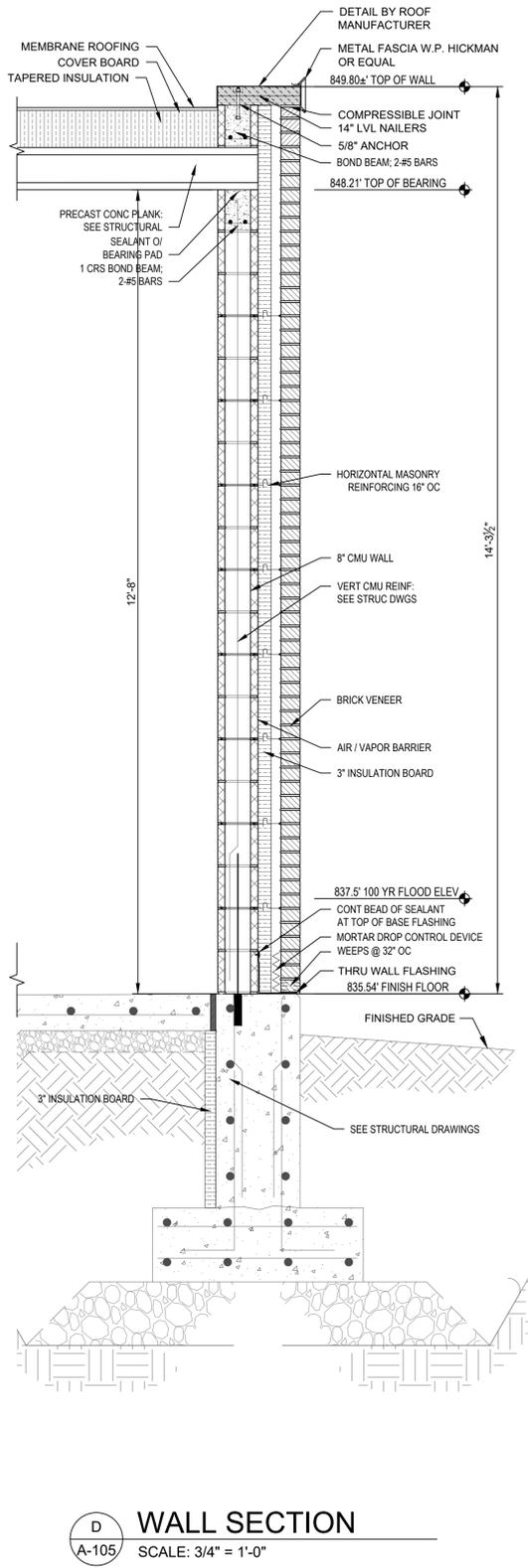
CLIENT / SUBCONSULTANT:



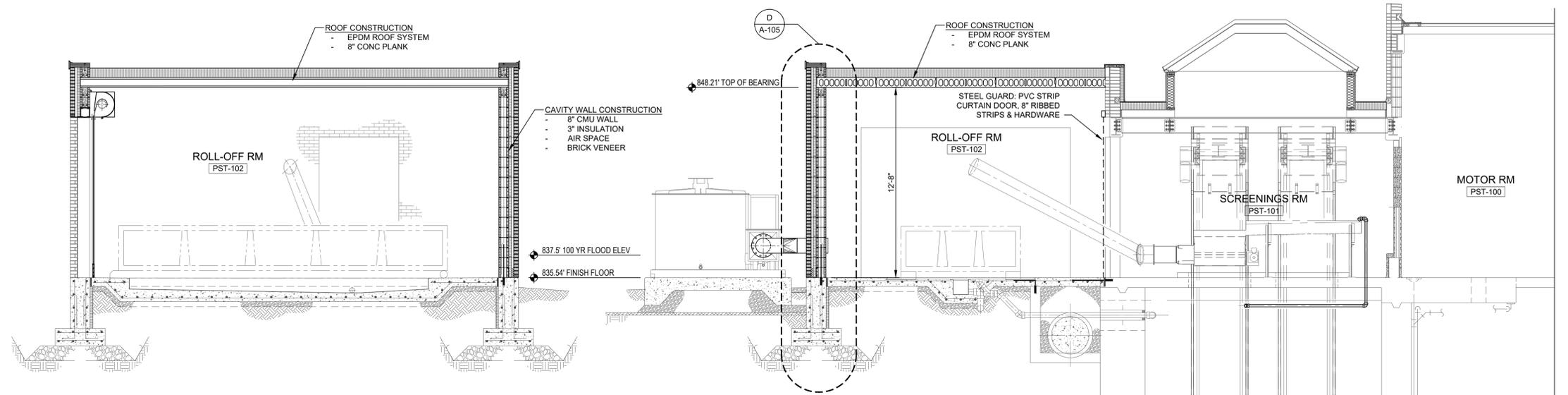
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 217 Montgomery Street, Suite 1100
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 P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **PUMP STATION: BUILDING SECTIONS / WALL SECTION**

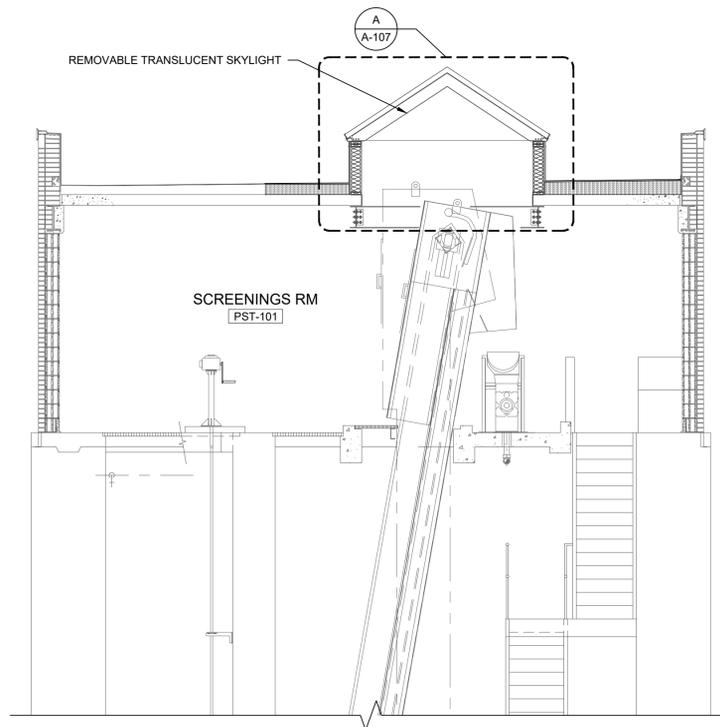
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NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: MJS
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						A-105



D WALL SECTION
 SCALE: 3/4" = 1'-0"

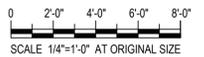


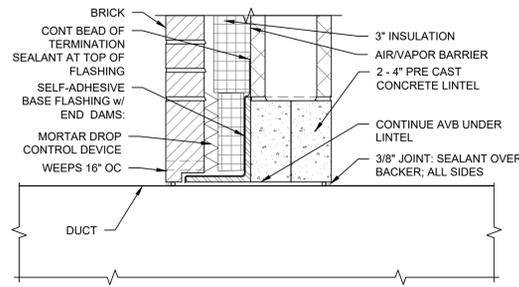
B BUILDING SECTION
 SCALE: 3/4" = 1'-0"



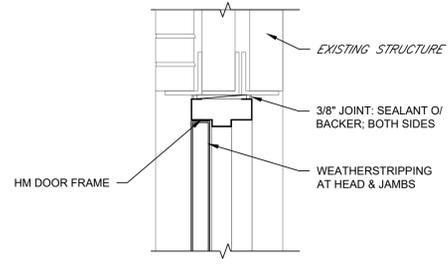
C BUILDING SECTION
 SCALE: 3/4" = 1'-0"

A BUILDING SECTION
 SCALE: 3/4" = 1'-0"

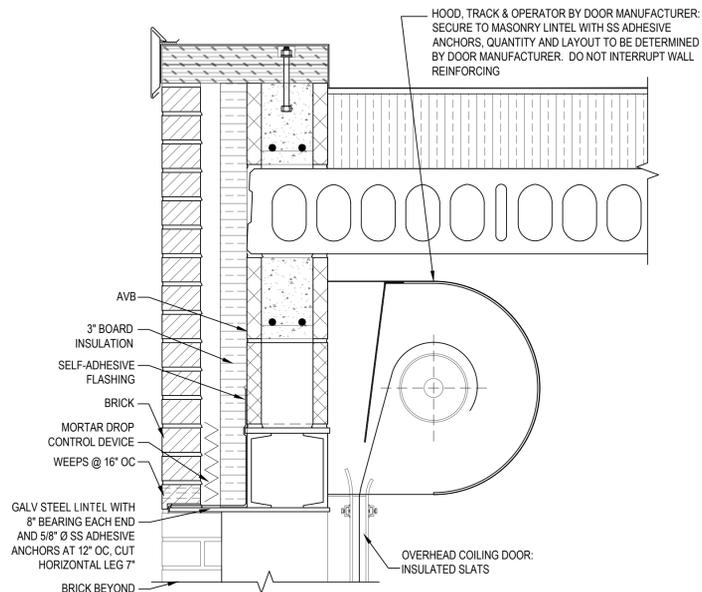




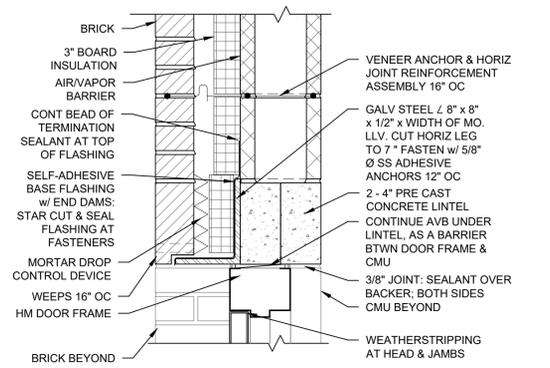
LH1 - DUCT WORK HEAD DETAIL
SCALE: 1" = 1-1/2"



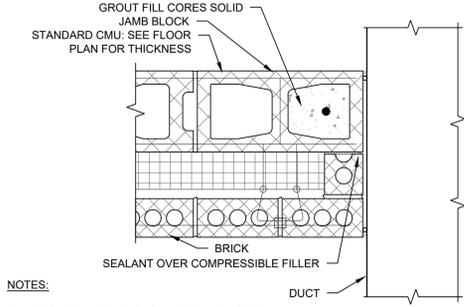
DH3 - DOOR HEAD
SCALE: 1-1/2" = 1'-0"



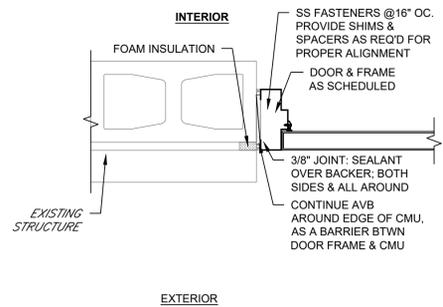
DH2 - DOOR HEAD
SCALE: 1" = 1-1/2"



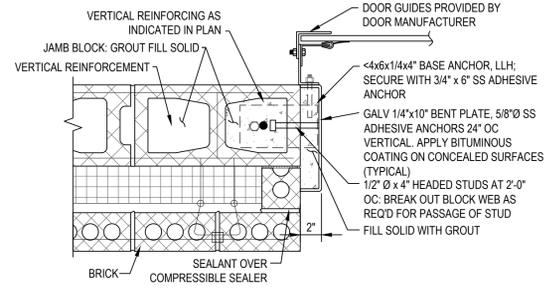
DH1 - DOOR HEAD
SCALE: 1" = 1-1/2"



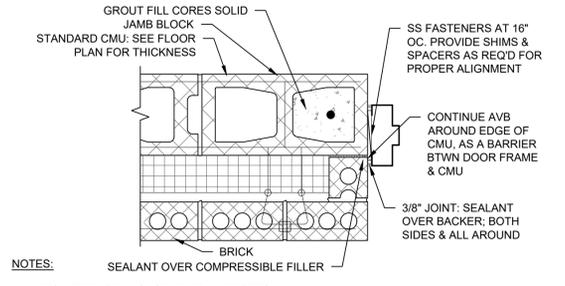
LJ1 - DUCT WORK JAMB DETAIL
SCALE: 1" = 1-1/2"



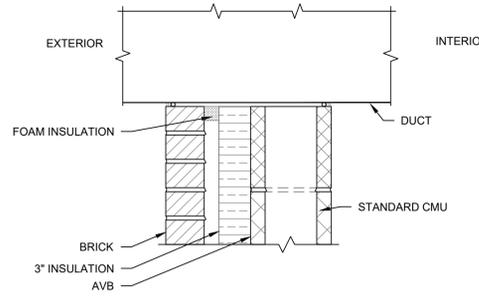
DJ3 - DOOR JAMB
SCALE: 1-1/2" = 1'-0"



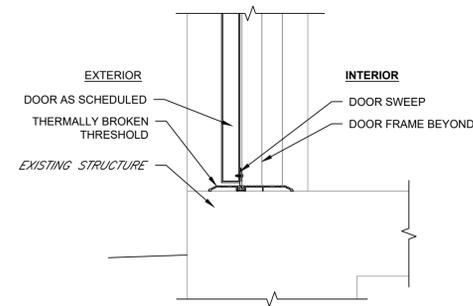
DJ2 - DOOR JAMB
SCALE: 1" = 1-1/2"



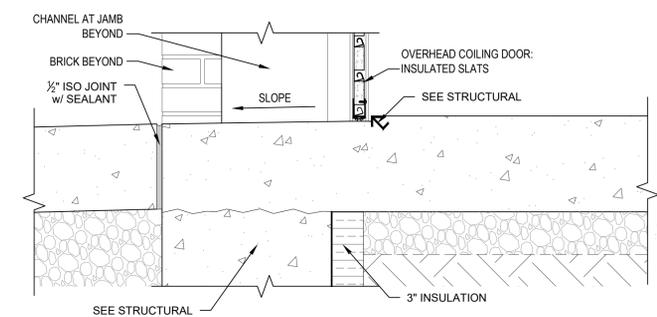
DJ1 - DOOR JAMB
SCALE: 1" = 1-1/2"



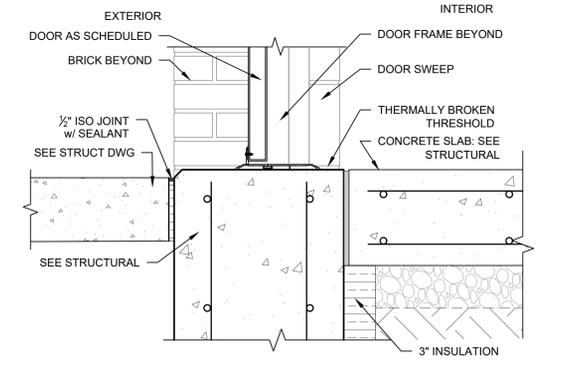
LS1 - DUCT WORK SILL DETAIL
SCALE: 1" = 1-1/2"



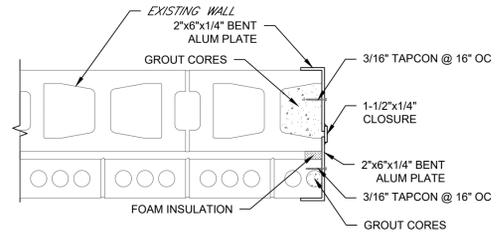
DS3 - DOOR SILL
SCALE: 1-1/2" = 1'-0"



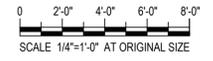
DS2 - DOOR SILL
SCALE: 1" = 1-1/2"



DS1 - DOOR SILL
SCALE: 1" = 1-1/2"



JAMB DETAIL
SCALE: 1-1/2" = 1'-0"



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

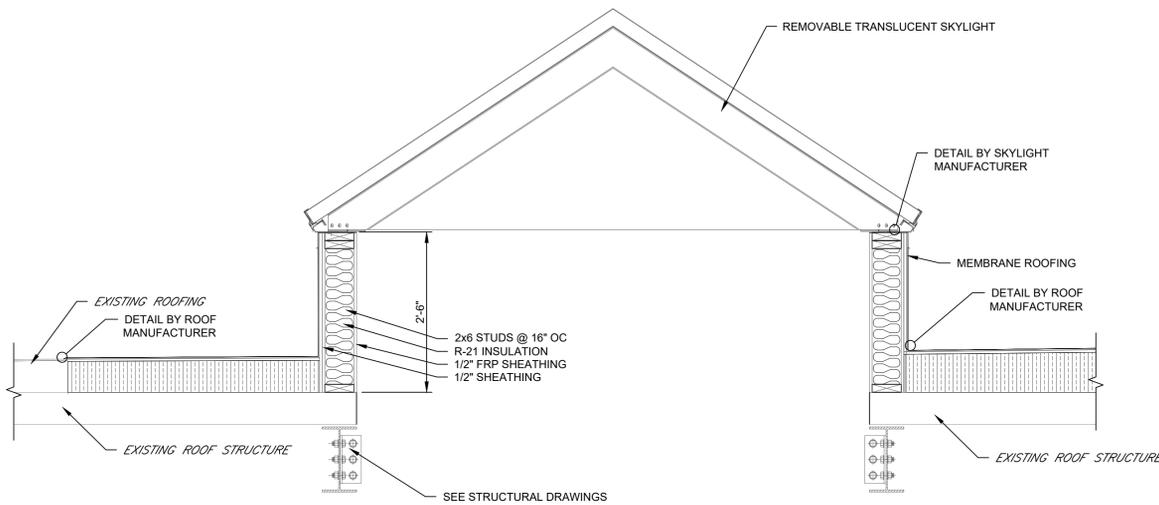
CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **PUMP STATION: MISCELLANEOUS DETAILS 1**

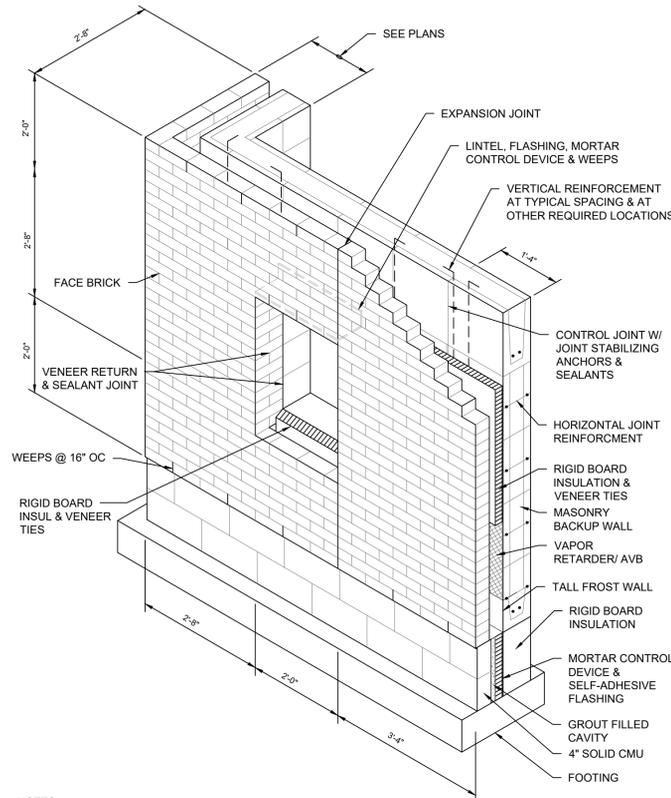
CONTRACT NO. **1**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: MJS
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						A-106

Date Plotted: 1/26/2026 10:01:19 AM
 1324124 Binghamton Terminal Pump Station Civil/Working Drawings/05_Architectural/24124_A-107.dwg
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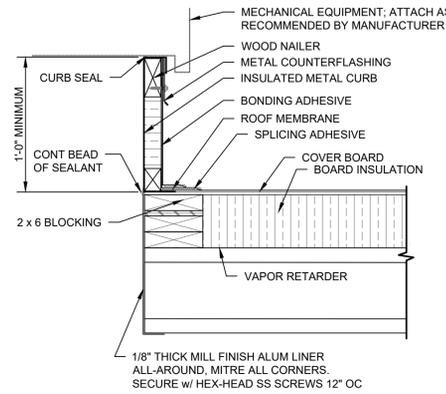
A PARTIAL SECTION
 A-107 SCALE: 3/4" = 1'-0"



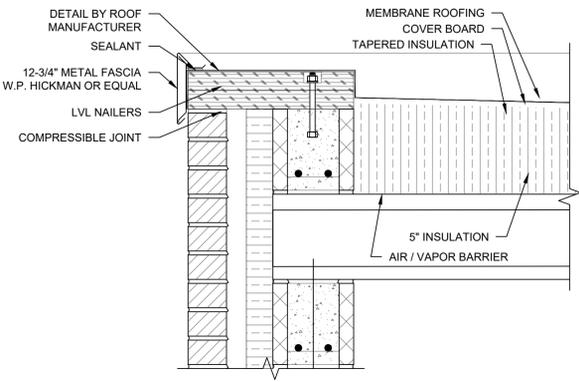
NOTES:

- THIS DETAIL ILLUSTRATES THE REOD LAYOUT & DIMENSIONS OF THE MOCK-UP PANEL REQUIRED BY SECTION 043000. CONSTRUCT THE PANEL ACCORDING TO THE SPECIFIC LINTEL, SILL, DECORATIVE MASONRY & OTHER DETAILS SHOWN BY THE CONTRACT DOCUMENTS FOR THIS PROJECT.
- REFER TO THE "MASONRY WALL REINFORCING DETAIL" FOR REINFORCING LOCATIONS & SIZES. SEE STRUCTURAL DRAWINGS.
- THE VAPOR RETARDER / MASTIC ADHESIVE COATING SHALL COVER THE ENTIRE OUTSIDE FACE OF THE MASONRY BACKUP WALL EXCEPT THOSE PORTIONS COVERED BY SELF ADHESIVE FLASHING.
- RIGID INSULATION BOARD SHALL COVER THE ENTIRE OUTSIDE FACE OF THE MASONRY BACKUP WALL AND FROST WALL.

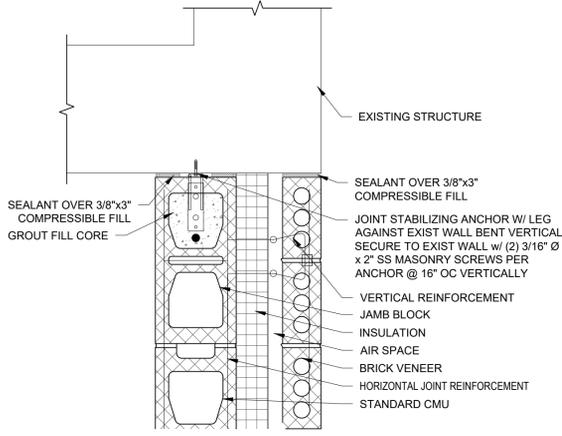
CAVITY WALL MOCK-UP
 NOT TO SCALE



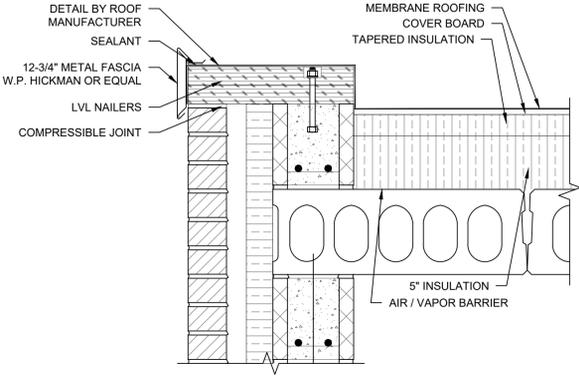
4 ROOF CURB DETAIL
 A-103 SCALE: 1-1/2" = 1'-0"



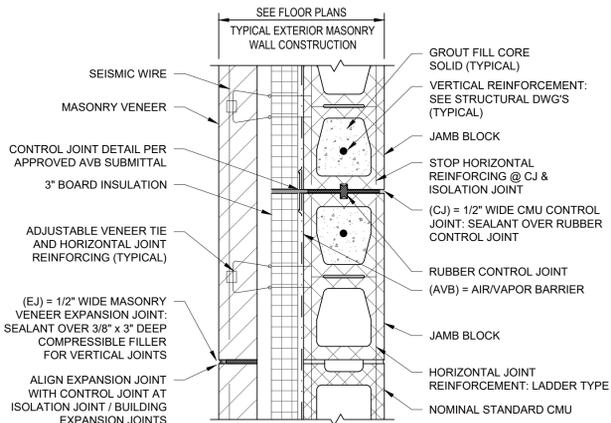
1 ROOF EDGE DETAIL
 A-103 SCALE: 1-1/2" = 1'-0"



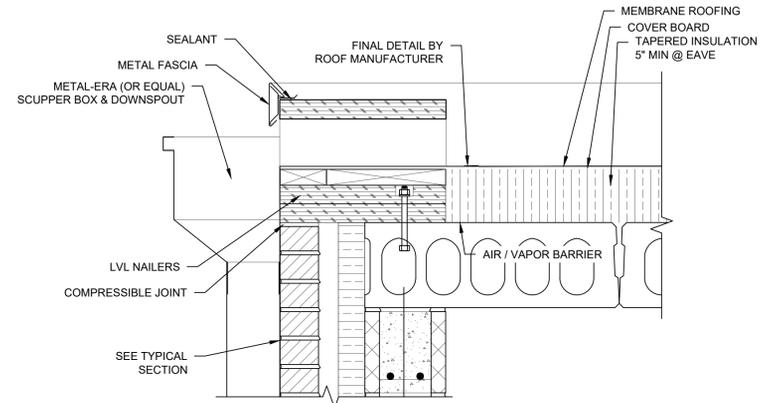
CAVITY WALL: ATTACHMENT TO EXISTING STRUCTURE
 NOT TO SCALE



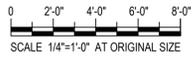
2 ROOF EDGE DETAIL
 A-103 SCALE: 1-1/2" = 1'-0"



CAVITY WALL: PLAN DETAIL OF EXPANSION AND CONTROL JOINTS
 NOT TO SCALE



3 ROOF EAVE DETAIL
 A-103 SCALE: 1-1/2" = 1'-0"



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **PUMP STATION: MISCELLANEOUS DETAILS II**

CONTRACT NO. **1**

DRAWINGS ISSUED FOR / REVISIONS			EDR JOB# 24124			
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1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: MJS
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						A-107

GENERAL CONCRETE CONSTRUCTION NOTES

- A. Reinforced concrete design follows ACI 318-14 except for liquid containment structures which are designed in accordance with ACI 350-06, "Code Requirements for Environmental Engineering Concrete Structures and Commentary."
- B. Unless noted otherwise, all concrete shown is structural concrete with a 4500 psi 28-day compressive strength and Type II Portland Cement or Type II (MS) Blended Cement. Refer to Section 03300 of specifications.
- C. Reinforcement will be new Billet Steel, conforming to ASTM A-615 Grade 60, deformed.
- D. Detail, fabricate and erect reinforcing bars in accordance with "Details and Detailing Concrete Reinforcement," (ACI 315R-18).
- E. Unless otherwise shown, all reinforcing steel shall be provided with minimum concrete cover as follows:

Slabs on grade:	- top reinf. (interior)	1 1/2"
	- top reinf. (exterior)	2"
	- bottom reinf.	3"
- F. Foundation slab/footing

	- top reinf.	2"
	- bottom reinf.	3"
- G. Beams and columns

	- top reinf.	2"
	- bottom reinf.	2"
- H. Walls

	-	2"
--	---	----
- I. Lap splices and embedments for reinforcement shall follow the chart shown on this drawing unless otherwise indicated on the drawings.
- J. Any revisions to joint placement, pour sequencing or reinforcing splices must be submitted to the engineer for review and approval prior to submittal of reinforcing steel shop drawings.
- K. Cure concrete at a minimum temperature of 50° F for seven days, following the criteria of ACI 308.1-11.
- L. Concrete surfaces shall be finished per Section 03300 of the specifications.
- M. Chamfer exposed concrete edges 3/4" x 3/4" unless otherwise noted.
- N. Equipment pad dimensions, housekeeping pad dimensions and openings for hatches, ducts and pipes must be coordinated with approved equipment shop drawings, and with the requirements shown on other drawings, this project set.
- O. The contractor is responsible for maintaining stability and preventing floatation of structures during all phases of construction.

CONCRETE CONSTRUCTION NOTES

GENERAL MASONRY CONSTRUCTION NOTES

- A. Masonry design follows The Masonry Standards Joint Committee report on "Building Code Requirements for Masonry Structures," TMS 402-13 and the requirements of 2020 Building Code of New York State. Masonry is designed in accordance with the Working Stress Design Method.
- B. All masonry will have a minimum net area compressive strength of concrete masonry units equal to 2650 psi. Masonry assembly will use Type N mortar to develop a net area compressive strength of masonry f'm = 2000 psi.
- C. Masonry grout will conform to the requirements of ASTM C476. Grout shall reach a minimum compressive strength of 2000psi at 28 days. Maximum pour height per pour shall be 5 feet.
- D. Reinforcing steel will be new Billet Steel, and conform to ASTM A-615 Grade 60, deformed.
- E. Reinforcement embedded grout shall have a thickness of grout between the reinforcement and masonry units not less than 1/2 inch.
- F. Reinforcing bars will have a masonry cover not less than the following:

Masonry face exposed to earth or weather	-	2 inches
Masonry not exposed to earth or weather	-	1 1/2 inches
- G. Masonry reinforcement standard hooks, splices and embedments as follows:

Standard 90° Hook	Min. Lap Splice	Min. Embed. Length
#5	7 1/2 inches	30 inches
		22 1/2 inches
- H. Unless shown otherwise, vertical reinforcement shall consist of a foundation dowel and a stem bar with a hook into the bond beam. Vertical reinforcement will be provided at the locations as indicated on the structural Top Plan, and on the Sections as shown on the A-series and S-series drawings.
- I. Vertical reinforcement shall be provided at locations as shown on the Top Plan. Reinforcement shall be located at corners, within 16" of each side openings, within 8" of all joints and at a maximum spacing as indicated on the Top Plan.
- J. Horizontal reinforcement shall be consist of 2 wires W1.7 spaced at 16". Horizontal reinforcement shall be located at the top and bottom of wall openings and extend 24" past the openings.
- K. Masonry wall openings for windows, doors, louvers, HVAC equipment, ducts, mechanical process equipment and pipes must be coordinated with approved shop drawings and with the requirements shown on other drawings, this project.
- L. The contractor is responsible for maintaining stability of structures during all phases of construction.

MASONRY CONSTRUCTION NOTES

STRUCTURAL DESIGN DATA

Loads in accordance with 2020 Building Code of New York State and ASCE 7-16

Roof Live Load, L_r = 20 psf

Floor Live Load = 125 psf

Collateral Load = 10 psf

Roof Snow Load
 Ground snow load P_g = 60 psf
 Snow exposure factor C_e = 1.0
 Roof thermal factor C_t = 1.1
 Snow load importance factor I = 1.1
 Flat roof snow load P_f = 51 psf

Wind Load
 Basic wind speed V = 115 mph
 Risk Category III
 Wind exposure - Category C
 Internal pressure coefficient C_{pi} = ±0.18

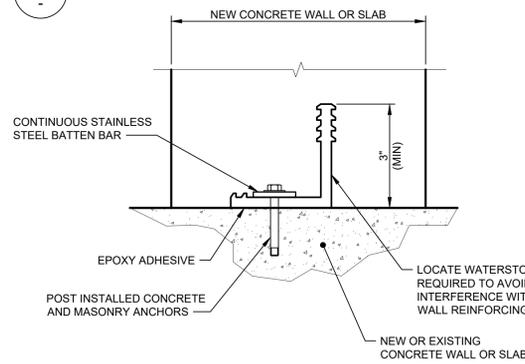
Earthquake Design Data
 Seismic importance factor, I = 1.25
 Risk Category III
 Mapped acceleration parameters:
 S_s = 0.305
 S₁ = 0.079
 Site Class D
 Spectral response coefficients:
 S_{ds} = 0.316
 S_{1s} = 0.127
 Seismic Design Category B
 Basic seismic-force-resisting system:
 Intermediate reinforced masonry shear wall
 Design base shear, V = 18K
 Equivalent Lateral Force Procedure
 Response Modification Coefficient R = 3.5
 Seismic Response Coefficient C_s = 0.113

STRUCTURAL DESIGN DATA
NO SCALE

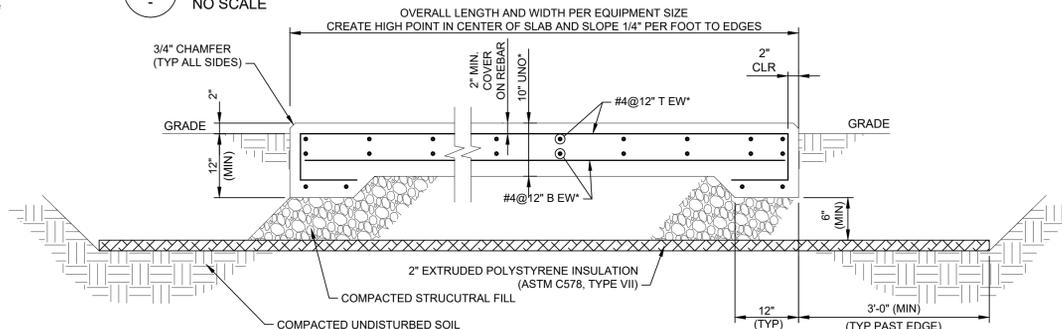
BAR SIZE	MIN LAP SPLICE LENGTH (INCHES)		MIN EMBEDMENT LENGTH (INCHES)	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
3	16	12	12	12
4	20	14	14	12
5	24	18	18	14
6	28	21	21	18
7	45	36	36	27
8	57	45	45	36
9	72	56	56	45
10	90	69	69	54
11	108	84	84	64

- NOTES:**
- A. F'c = 4,500 PSI (NORMAL WEIGHT CONCRETE), F_y = 60,000 PSI.
 - B. TOP BARS ARE HORIZONTAL BARS WITH MORE THEN 12" DEPTH OF CONCRETE CAST BELOW THE REINFORCEMENT.
 - C. LAP SPLICES SHOWN ARE TENSION LAPS, CLASS B.
 - D. MINIMUM CLEAR COVER IS 1.5 INCHES. MINIMUM SPACING IS 4 INCHES.

4 SPLICE AND EMBEDMENT CHART
NO SCALE

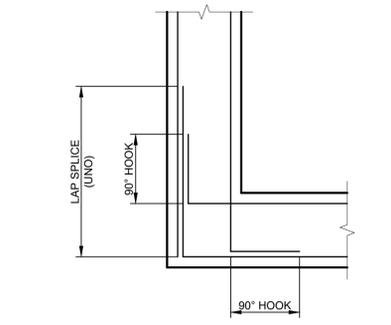


8 RETROFIT WATERSTOP DETAIL
NO SCALE

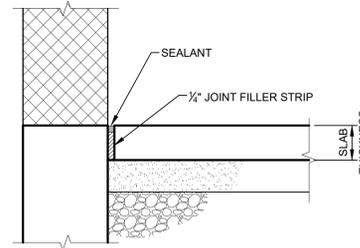


- NOTES:**
- FOR EQUIPMENT WEIGHING LESS THAN 1,000 LBS. PROVIDE 8" MIN SLAB THICKNESS AT CENTER, WITH (1) ONE LAYER OF #5 @ 12 T EW.
 - THIS PAD DETAIL SHALL BE USED FOR ALL CONCRETE EQUIPMENT PADS INDICATED TO BE CAST ON GRADE, UNLESS INDICATED OTHERWISE.

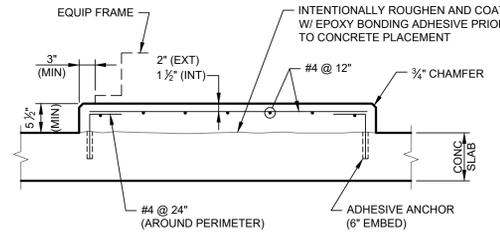
12 FROST PROTECTED EQUIPMENT PAD
NO SCALE



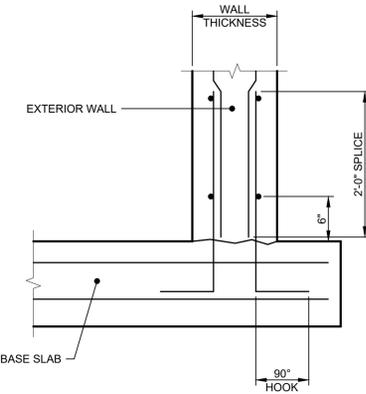
1 CORNER WALL REINFORCEMENT DETAIL
NO SCALE



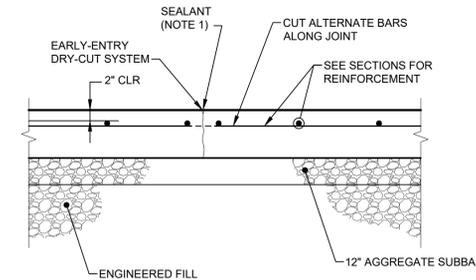
5 ISOLATION JOINT DETAIL
NO SCALE



9 EQUIPMENT PAD DETAIL
NO SCALE

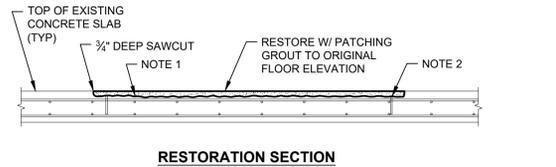
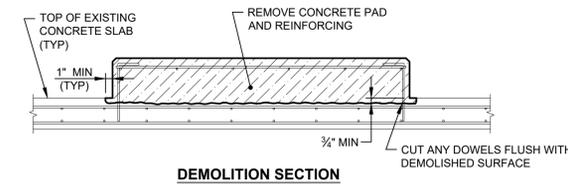


2 WALL / SLAB JOINT DETAIL
NO SCALE



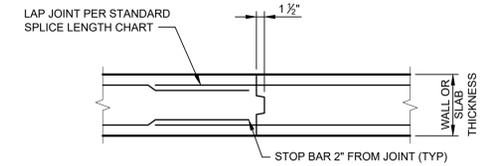
- NOTES:**
1. COORDINATE SEALANT WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS.
 2. COORDINATE TIMING AND DEPTH OF CUT WITH MANUFACTURER'S CRITERIA.

6 CONTROL JOINT DETAIL
NO SCALE



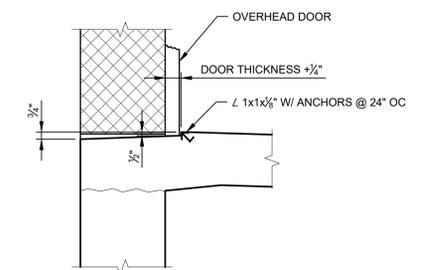
- NOTES:**
1. SANDBLAST OR MECHANICALLY REMOVE ALL LOOSE AND SPALLED MATERIALS. COAT EXPOSED CONCRETE WITH EPOXY BONDING ADHESIVE PRIOR TO PLACING PATCHING GROUT.
 2. CUT REINFORCEMENT FLUSH AND COAT WITH ANTI-CORROSION PRIMER.

10 CONCRETE DEMO / RESTORATION DETAIL
NO SCALE

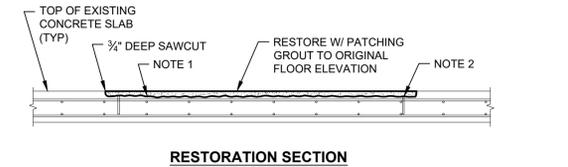
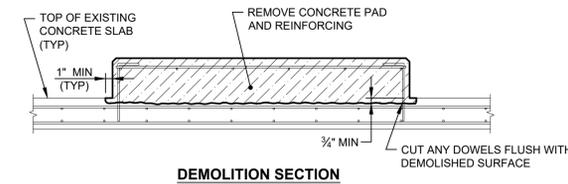


- NOTES:**
1. SEE PLAN FOR REQUIRED CONSTRUCTION JOINT LOCATIONS.
 2. EACH SLAB SECTION SHALL BE CURED FOR 3 DAYS BEFORE ADJACENT SECTION IS PLACED. REFER TO SPEC SECTION 03250.

3 KEYED CONSTRUCTION JOINT DETAIL
NO SCALE

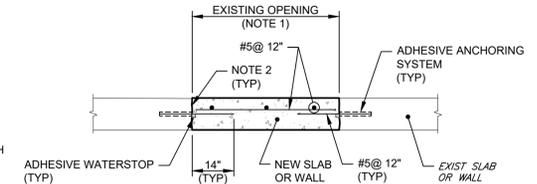


7 OVERHEAD DOOR THRESHOLD DETAIL
NO SCALE



- NOTES:**
1. SANDBLAST OR MECHANICALLY REMOVE ALL LOOSE AND SPALLED MATERIALS. COAT EXPOSED CONCRETE WITH EPOXY BONDING ADHESIVE PRIOR TO PLACING PATCHING GROUT.
 2. CUT REINFORCEMENT FLUSH AND COAT WITH ANTI-CORROSION PRIMER.

10 CONCRETE DEMO / RESTORATION DETAIL
NO SCALE



- NOTES:**
1. FOR OPENING DIMENSION OR DIAMETER GREATER THAN OR EQUAL TO 18", PLACE DOWELS AS SHOWN. IF OPENING DIMENSION OR DIAMETER IS LESS THAN 18", OMIT DOWELS.
 2. INTENTIONALLY ROUGHEN SURFACE TO A FULL AMPLITUDE OF 1/4". CLEAN AND COAT SURFACE WITH EPOXY BONDING ADHESIVE PRIOR TP PLACING NEW CONCRETE.

11 OPENING RESTORATION DETAIL
NO SCALE



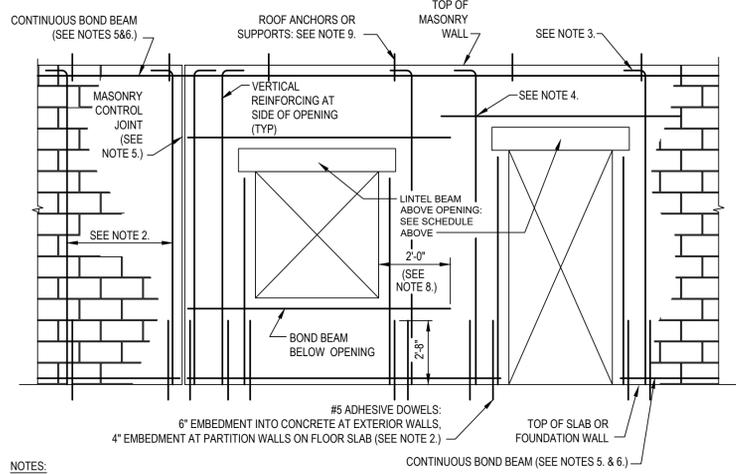
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PROJECT TITLE:
TERMINAL PUMPING STATION UPGRADE
 PROJECT LOCATION: BINGHAMTON, NY
 CLIENT: CITY OF BINGHAMTON, NEW YORK
 DRAWING TITLE: **GENERAL NOTES AND DETAILS**

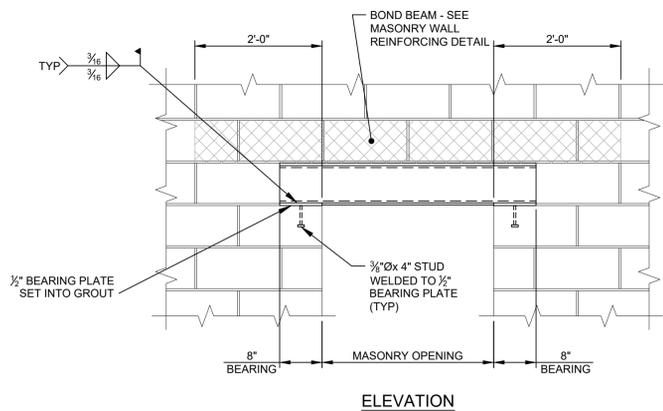
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3						DRAWN BY: KAD
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5						DRAWING NUMBER:
6						S-001



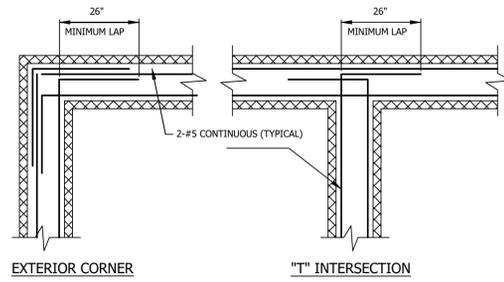
NOTES:

1. REINFORCING TYPICAL AT INTERIOR AND EXTERIOR WALLS AS NOTED.
2. MAXIMUM SPACING BETWEEN VERTICAL REINFORCING SHALL BE 4'-0" FOR EXTERIOR AND LOAD-BEARING WALLS, UNLESS NOTED OTHERWISE. FOR PARTITION WALLS, DOWEL SPACING SHALL BE 8'-0" MAX. ALSO FOR PARTITION WALLS, FULL-HEIGHT VERTICAL REINFORCING IS ONLY REQUIRED ADJACENT TO OPENINGS AND CONTROL JOINTS. SEE STRUCTURAL PLANS FOR REQUIRED REINFORCING LOCATIONS.
3. VERTICAL REINFORCING SHALL TERMINATE WITH STANDARD HOOK 2' CLEAR FROM TOP OF BOND BEAM.
4. VERTICAL REINFORCING SHALL BE CONTINUOUS THROUGH BOND BEAMS BY PROVIDING 3" DIAMETER OPENING IN BOTTOM OF BOND BEAM.
5. PROVIDE VERTICAL REINFORCING EACH SIDE OF MASONRY CONTROL JOINT. TERMINATE MID-WALL BOND BEAMS AT CONTROL JOINT. BOND BEAM REINFORCING AT TOP AND BOTTOM OF WALL SHALL BE CONTINUOUS THROUGH CONTROL JOINT.
6. VERTICAL REINFORCING SHALL BE 1-#5 CONTINUOUS, UNLESS NOTED OTHERWISE, AND SHALL BE CENTERED IN CELL.
7. BOND BEAM REINFORCING SHALL BE 2-#5 CONTINUOUS AND REINFORCING BAR CENTERLINE SHALL BE MAXIMUM 3" FROM BOTTOM FACE OF MASONRY BLOCK.
8. WHERE ADJACENT OPENING OCCURS WITHIN 2'-0", TERMINATE BOND BEAM AT EDGE OF ADJACENT OPENING. REINFORCING BAR SHALL BE TERMINATED IN A STANDARD HOOK, TURNED DOWN INTO GROUDED CELL.
9. ROOF ANCHORS SHALL BE LOCATED AND OF CONNECTION TYPES INDICATED ON STRUCTURAL DRAWINGS.
10. SEE ARCHITECTURAL DRAWINGS FOR CMU TYPE AT EACH BUILDING. SEE ARCHITECTURAL DETAILS AND SPECIFICATION SECTION 04300 FOR ADDITIONAL REQUIREMENTS.

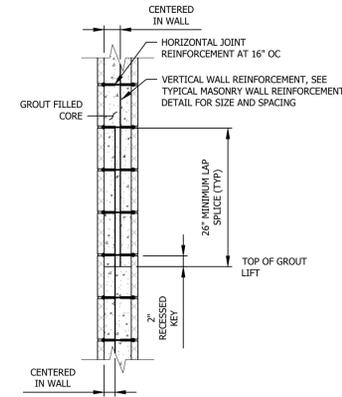
1 MASONRY WALL REINFORCING
NO SCALE



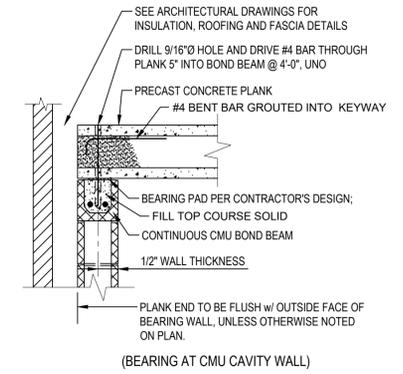
2 TYPICAL STEEL LINTEL DETAIL
NO SCALE



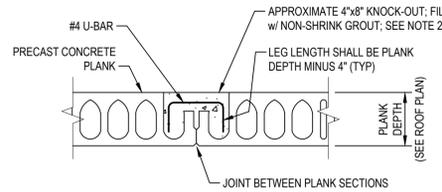
3 BOND BEAM REINFORCING PLACEMENT
NO SCALE



4 WALL SECTION
NO SCALE



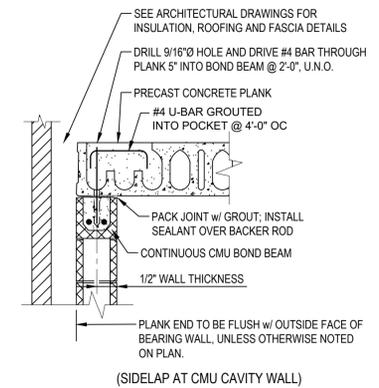
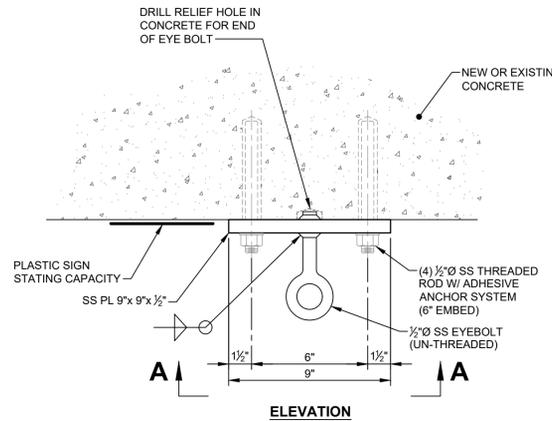
5 ROOF PLANK EXTERIOR BEARING
NO SCALE



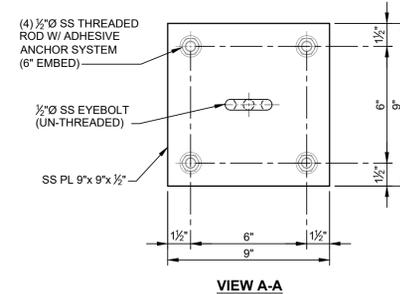
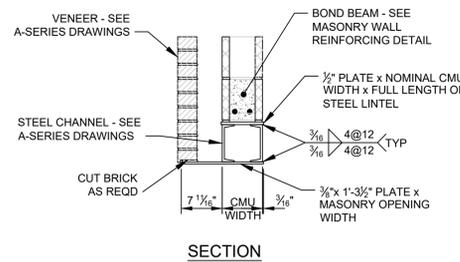
NOTES:

1. LOCATE PLANK TIES THUS (UNO): SPANS 20' TO 30' - USE ONE ROW OF TIES AT MID-SPAN SPANS GREATER THAN 30' - 2 ROWS OF TIES AT 1/3 POINTS
2. BLOCK OFF CORES AS REQUIRED TO PREVENT GROUT LEAKAGE BEYOND TIE AREA.

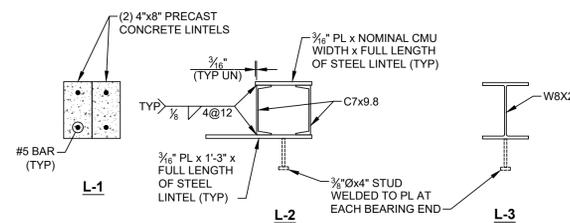
6 ROOF PLANK TIE
NO SCALE



8 ROOF PLANK SIDELAP
NO SCALE



10 LIFTING EYE DETAIL
NO SCALE



11 LINTEL DETAILS
NO SCALE



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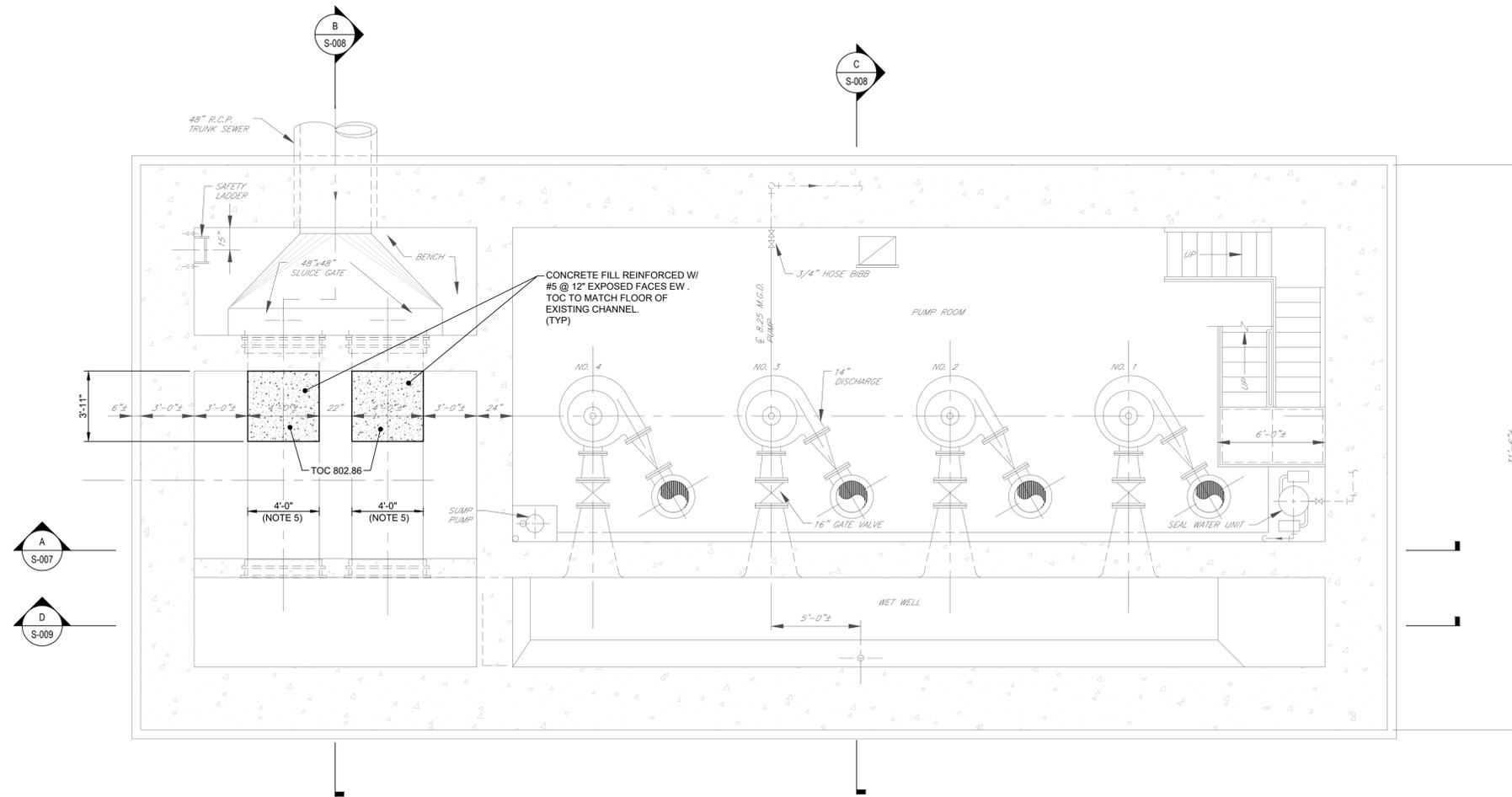
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **STANDARD MASONRY DETAILS**

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SCALE: **AS SHOWN**
DRAWN BY: **KAD**
CHECKED BY: **MSD**
DRAWING NUMBER: **S-002**

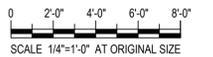
CONTRACT NO. **1**



BASEMENT PLAN @ EL 814.00
SCALE: 1/4" = 1'-0"



- NOTES:**
- REFER TO DRAWING S-001 FOR CONCRETE NOTES AND DETAILS.
 - REFER TO DRAWING S-011 FOR MISCELLANEOUS METALS DETAILS.
 - COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
 - PROVIDE WALL/SLAB OPENINGS REINFORCEMENT IN ACCORDANCE WITH DETAIL ON DRAWING S-001.
 - CONTRACTOR TO VERIFY ALL FIELD CONDITIONS.



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION BASEMENT PLAN**

DRAWINGS ISSUED FOR / REVISIONS		EDR JOB# 24124				
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
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3						DRAWN BY: KAD
4						CHECKED BY: MSD
5						DRAWING NUMBER:
6						S-003

CONTRACT NO. **1**

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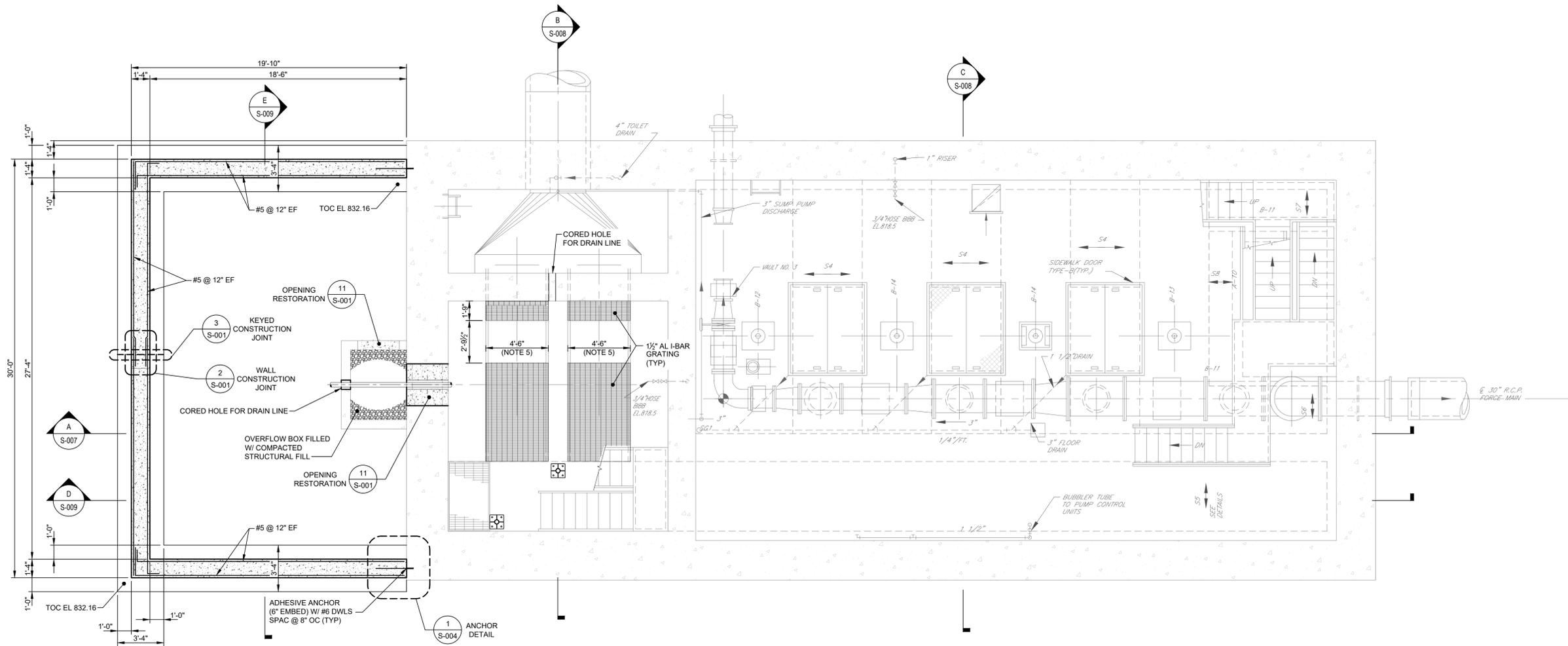
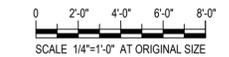


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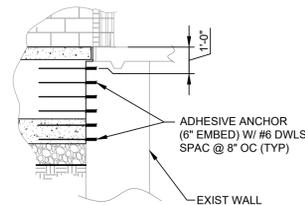
PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **PUMP STATION INTERMEDIATE PLAN**

CONTRACT NO. **1**

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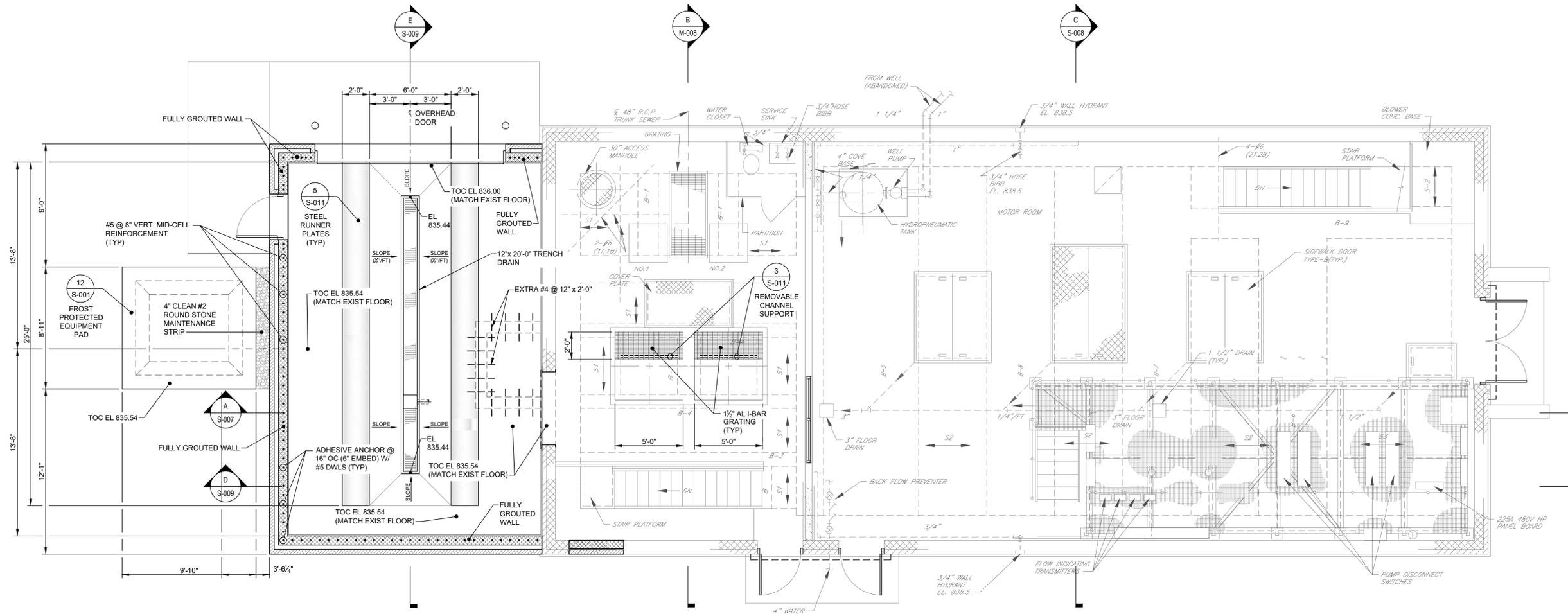


INTERMEDIATE PLAN @ EL 816.00
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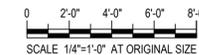
1 ANCHOR DETAIL
 S-004 NO SCALE

- NOTES:**
- REFER TO DRAWING S-001 FOR CONCRETE NOTES AND DETAILS.
 - REFER TO DRAWING S-011 FOR MISCELLANEOUS METALS DETAILS.
 - COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
 - PROVIDE WALL/SLAB OPENINGS REINFORCEMENT IN ACCORDANCE WITH DETAIL ON DRAWING S-001.
 - CONTRACTOR TO VERIFY ALL FIELD CONDITIONS.



TOP PLAN @ EL 836.00
SCALE: 1/4" = 1'-0"

- NOTES:**
1. REFER TO DRAWING S-001 FOR CONCRETE NOTES AND DETAILS.
 2. REFER TO DRAWING S-011 FOR MISCELLANEOUS METALS DETAILS.
 3. COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
 4. PROVIDE WALL/SLAB OPENINGS REINFORCEMENT IN ACCORDANCE WITH DETAIL ON DRAWING S-001.



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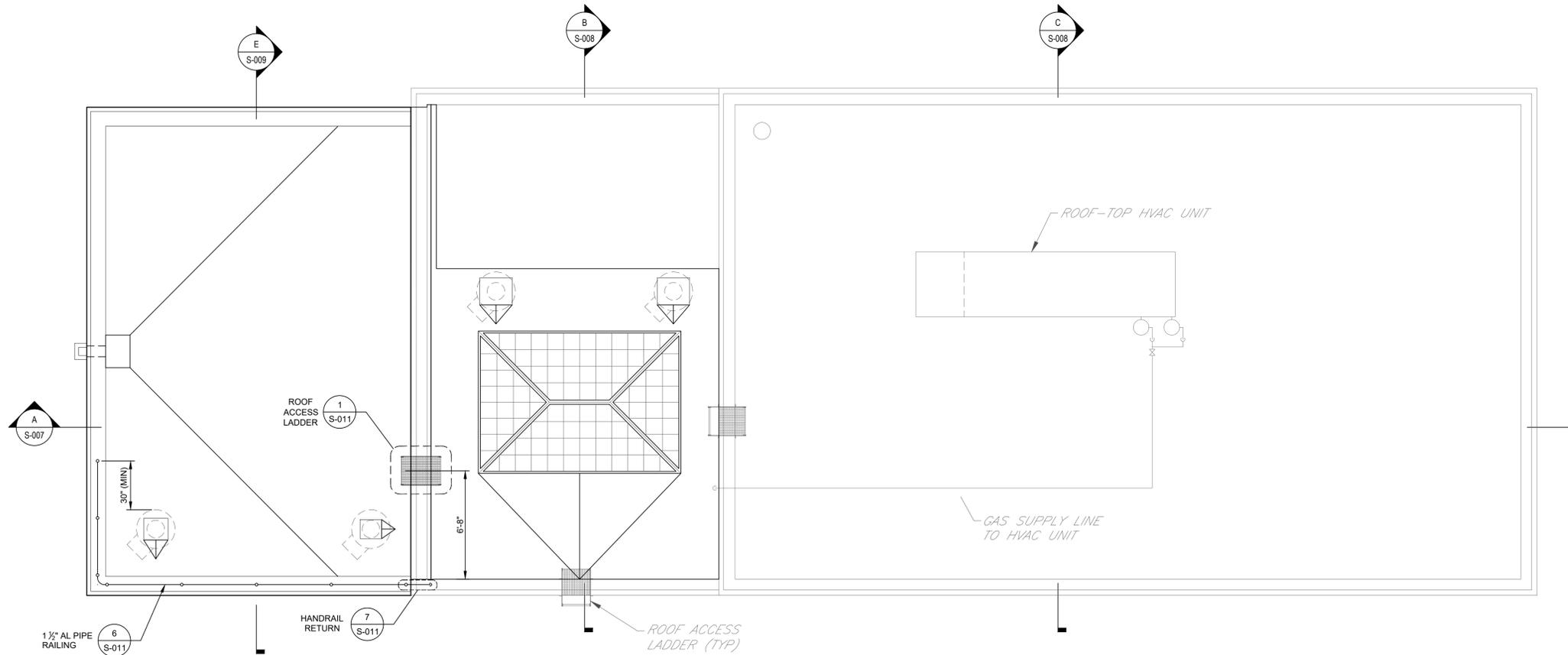
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
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DRAWING TITLE: **PUMP STATION TOP PLAN**

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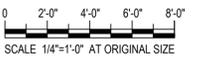
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DATE: **02/2026**
SCALE: **AS SHOWN**
DRAWN BY: **KAD**
CHECKED BY: **MSD**
DRAWING NUMBER: **S-005**



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



- NOTES:**
- REFER TO DRAWING S-001 FOR CONCRETE NOTES AND DETAILS.
 - REFER TO DRAWING S-011 FOR MISCELLANEOUS METALS DETAILS.
 - COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
 - PROVIDE WALL/SLAB OPENINGS REINFORCEMENT IN ACCORDANCE WITH DETAIL ON DRAWING S-001.



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **PUMP STATION ROOF PLAN**

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2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MSD
5						DRAWING NUMBER:
6						S-006

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CLIENT / SUBCONSULTANT:

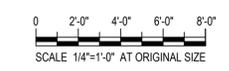


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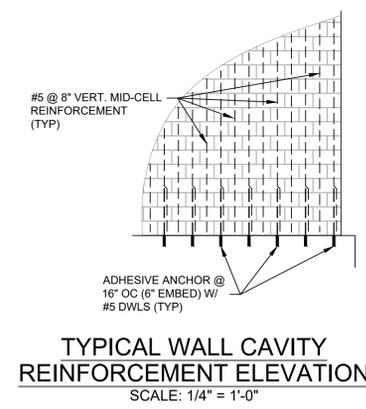
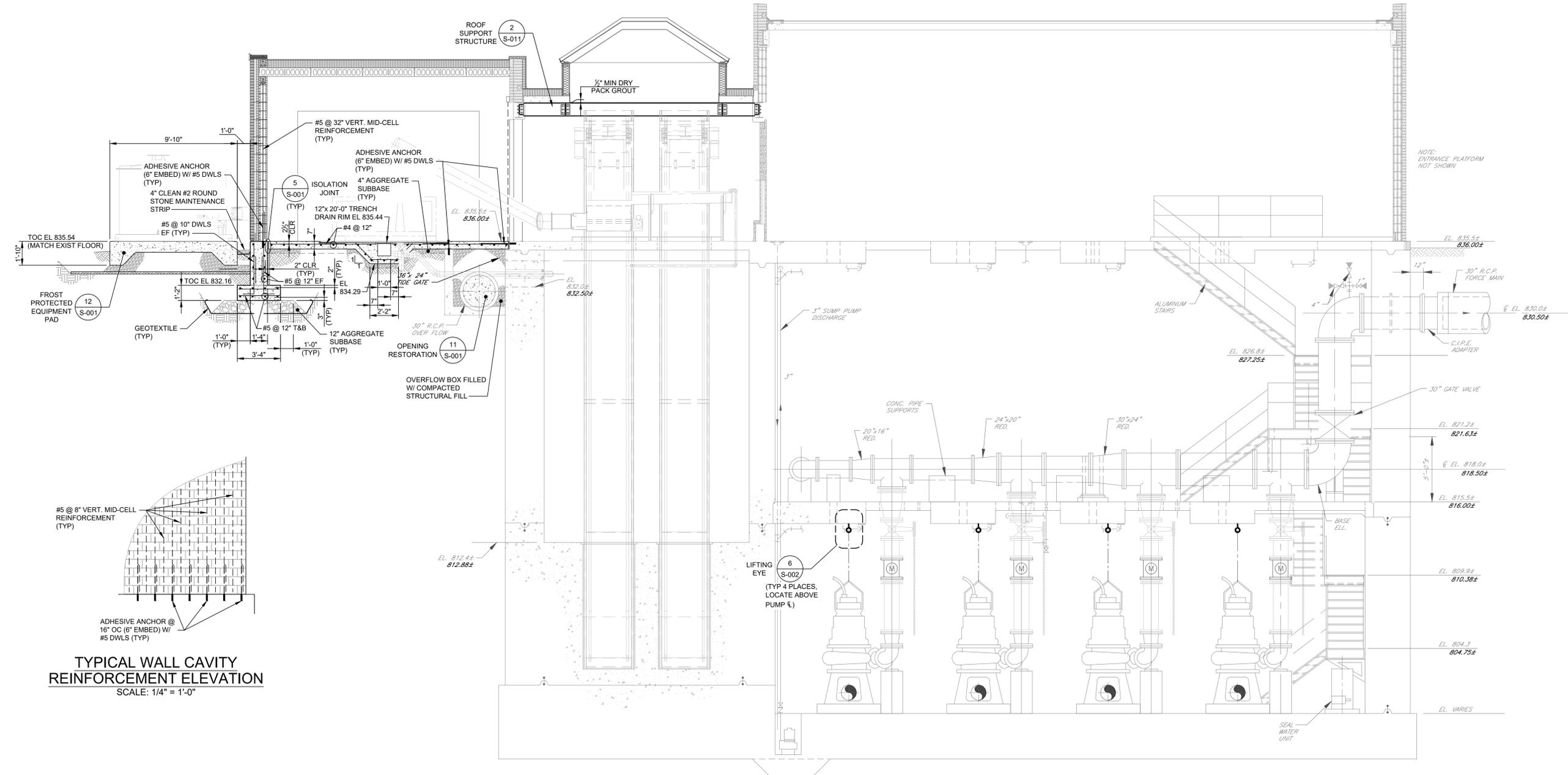
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 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **PUMP STATION SECTION**

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3						DRAWN BY: KAD
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5						DRAWING NUMBER:
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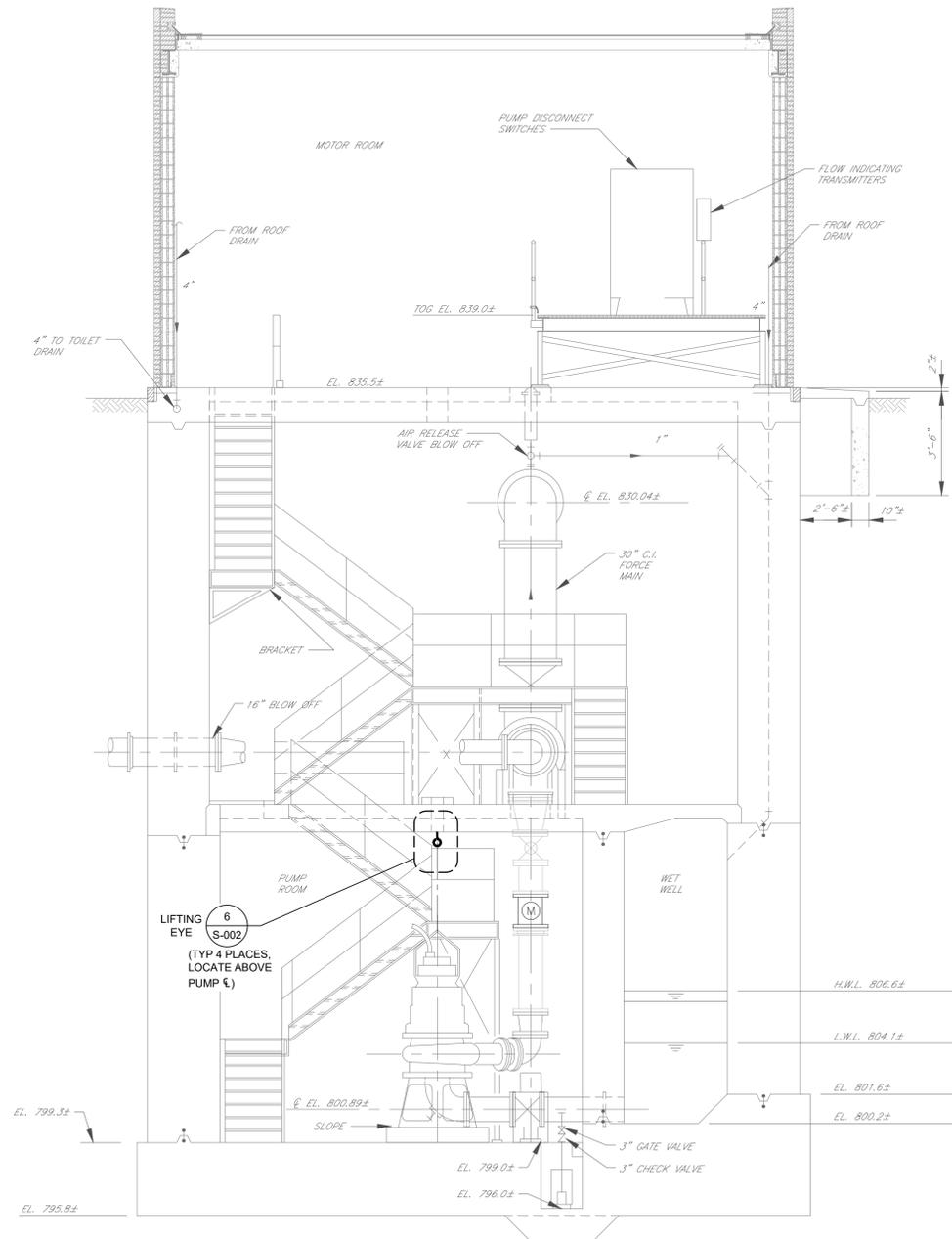
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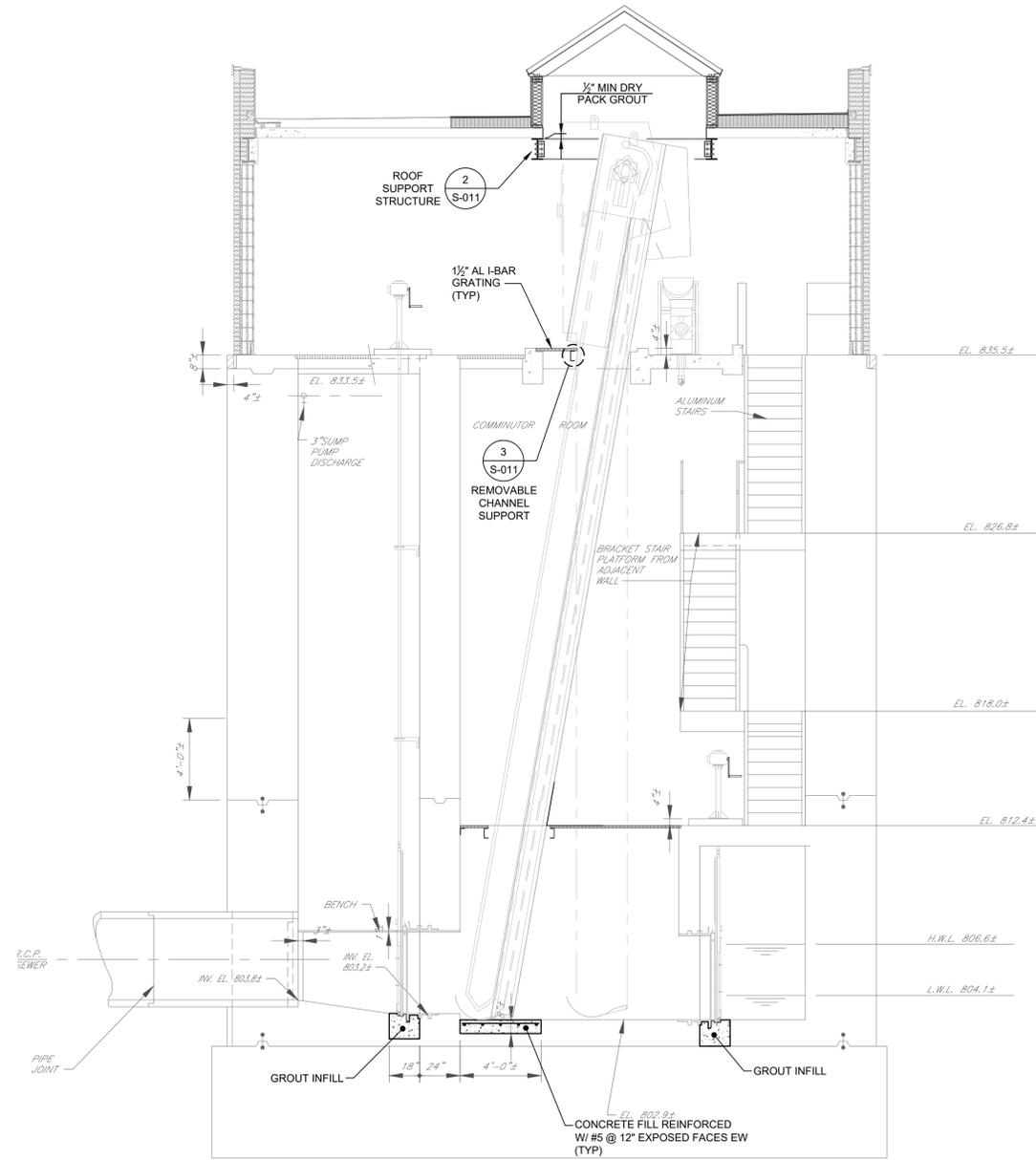
- NOTES:**
- REFER TO DRAWING S-001 FOR CONCRETE NOTES AND DETAILS.
 - REFER TO DRAWING S-011 FOR MISCELLANEOUS METALS DETAILS.
 - COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
 - PROVIDE WALL/SLAB OPENINGS REINFORCEMENT IN ACCORDANCE WITH DETAIL ON DRAWING S-001.



SECTION
 A A A A
 S-003 S-004 S-005 S-006
 Scale: 1/4" = 1'-0"



SECTION
 B-003 B-004 B-005 B-006
 Scale: 1/4" = 1'-0"



SECTION
 C-003 C-004 C-005 C-006
 Scale: 1/4" = 1'-0"

- NOTES:**
- REFER TO DRAWING S-001 FOR CONCRETE NOTES AND DETAILS.
 - REFER TO DRAWING S-011 FOR MISCELLANEOUS METALS DETAILS.
 - COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
 - PROVIDE WALL/SLAB OPENINGS REINFORCEMENT IN ACCORDANCE WITH DETAIL ON DRAWING S-001.



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CLIENT / SUBCONSULTANT:



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 217 Montgomery Street, Suite 1100
 Syracuse, New York 13202
 P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **PUMP STATION SECTIONS**

DRAWINGS ISSUED FOR / REVISIONS		BY	CHK	APP	DATE
NO.	DATE	ISSUED FOR / REVISION	MIL	ASD	MET
1	02/2026	FOR BID			
2					
3					
4					
5					
6					

CONTRACT NO. **1**

EDR JOB# **24124**
 DATE **02/2026**
 SCALE **AS SHOWN**
 DRAWN BY: **KAD**
 CHECKED BY: **MSD**
 DRAWING NUMBER: **S-008**

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CLIENT / SUBCONSULTANT:



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 217 Montgomery Street, Suite 1100
 Syracuse, New York 13202
 P. 315.471.0688

PROJECT TITLE:

TERMINAL PUMPING STATION UPGRADE

PROJECT LOCATION: BINGHAMTON, NY

CLIENT: CITY OF BINGHAMTON, NEW YORK

DRAWING TITLE: **REGULATOR VAULT No. 3
 PLANS AND SECTIONS**

CONTRACT NO.
1

DRAWINGS ISSUED FOR / REVISIONS

NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						
3						
4						
5						
6						

EDR JOB#: 24124

DATE: 02/2026

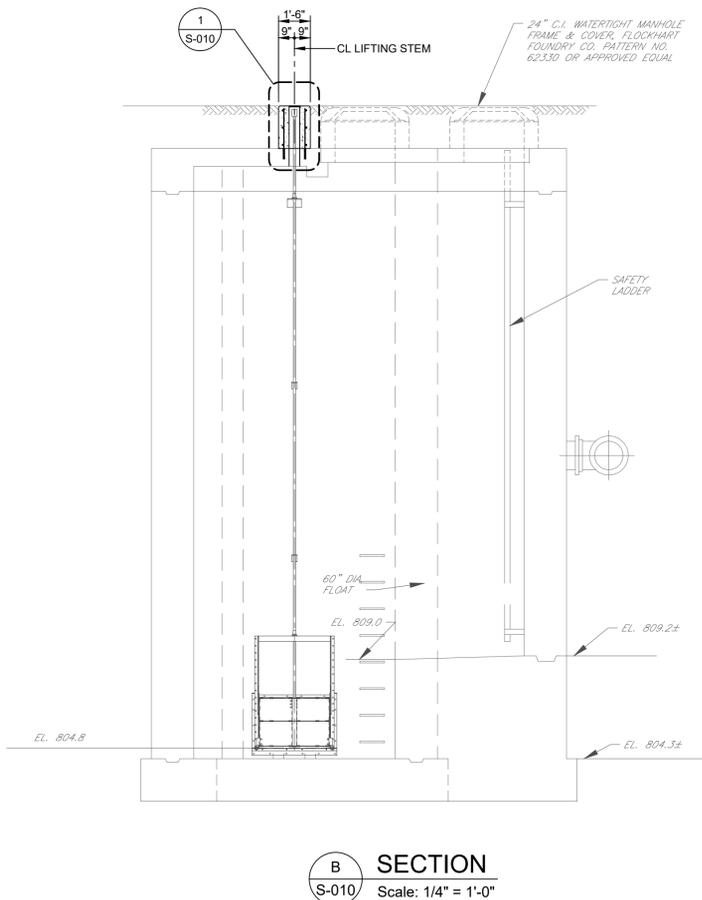
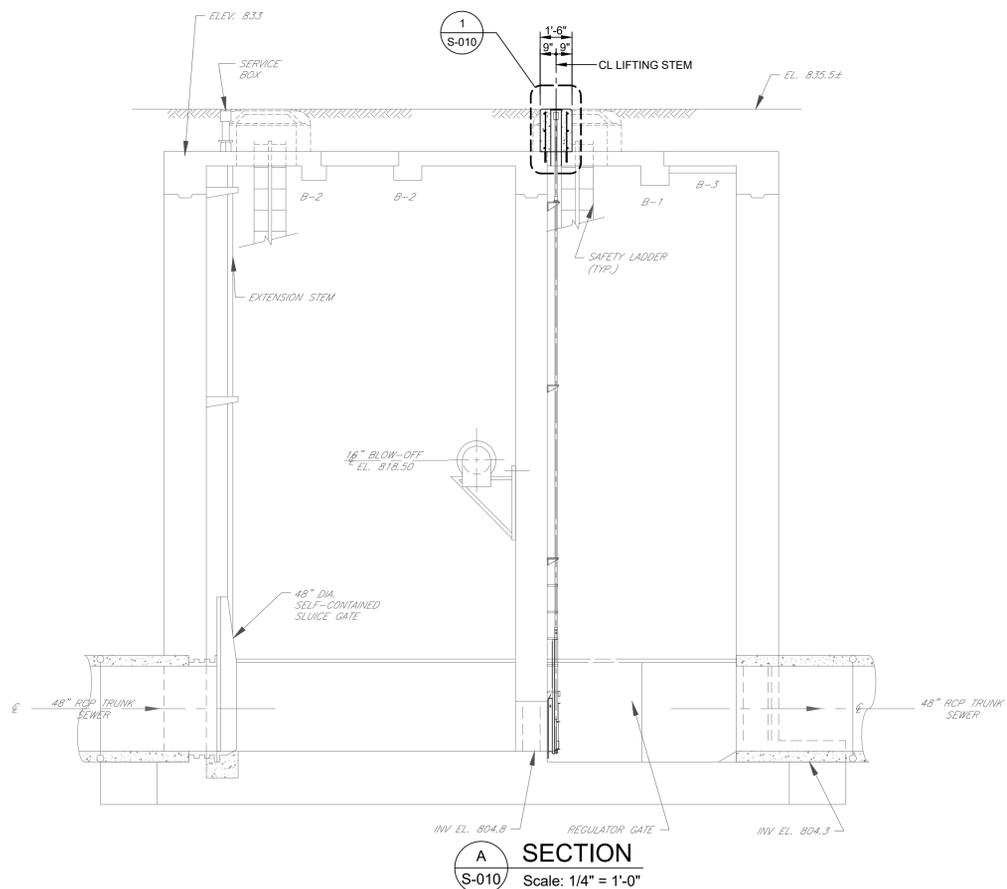
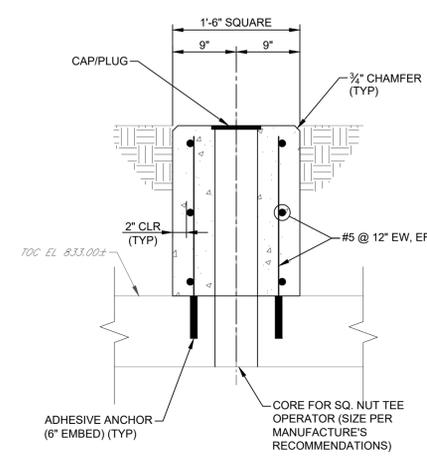
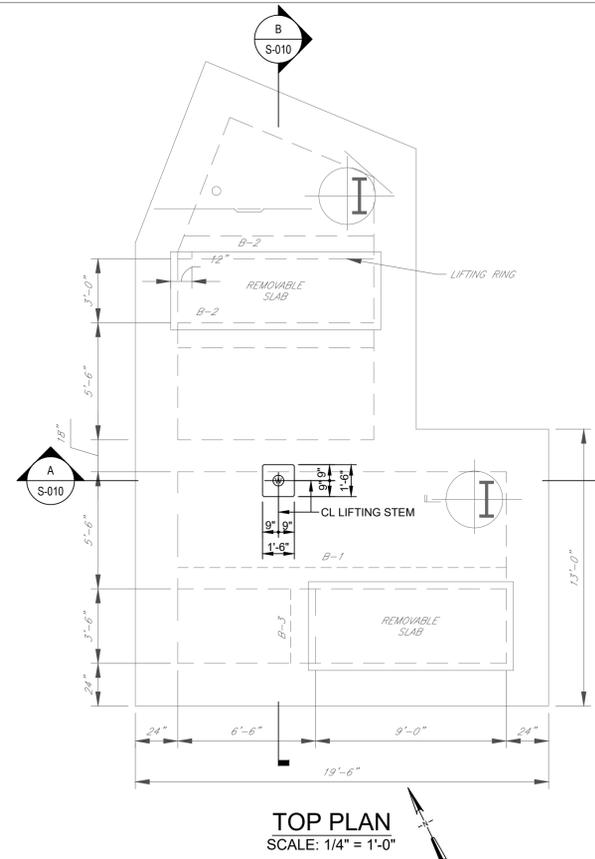
SCALE: AS SHOWN

DRAWN BY: KAD

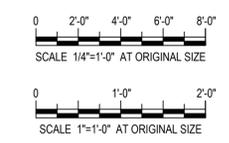
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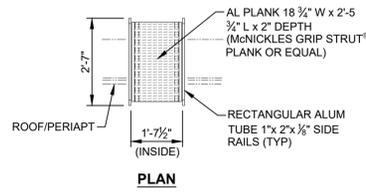
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S-010

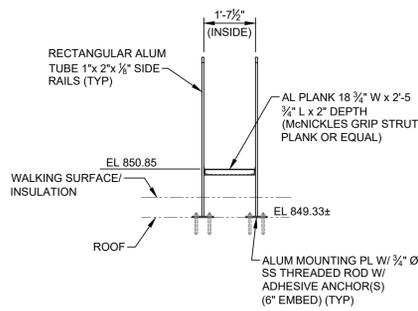


- NOTES:**
- REFER TO DRAWING S-001 FOR CONCRETE NOTES AND DETAILS.
 - COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.

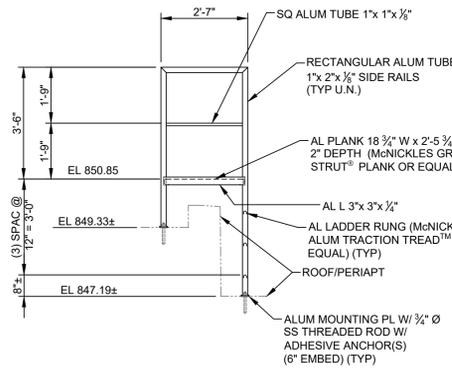




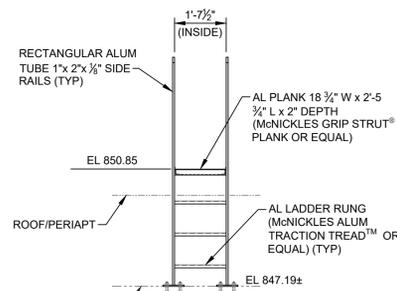
PLAN



WEST ELEVATION

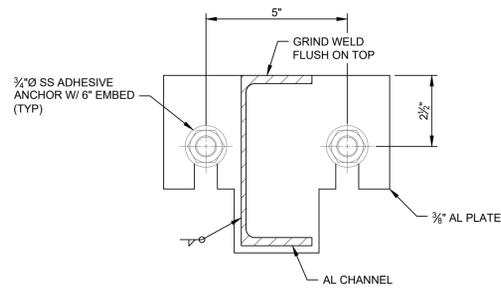


SECTION

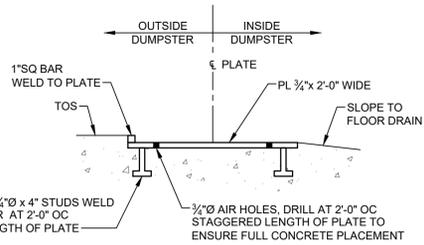


EAST ELEVATION

1 ROOF ACCESS LADDER DETAIL
Scale: 3/8" = 1'-0"

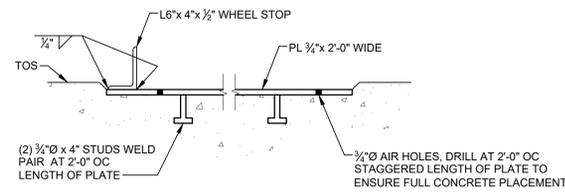


3 REMOVABLE CHANNEL END CONNECTION
NO SCALE

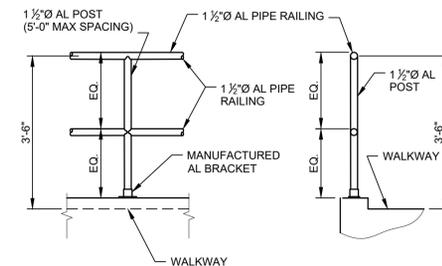


SECTION

5 STEEL RUNNER PLATE DETAIL
NO SCALE

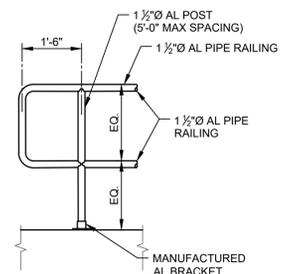


SECTION



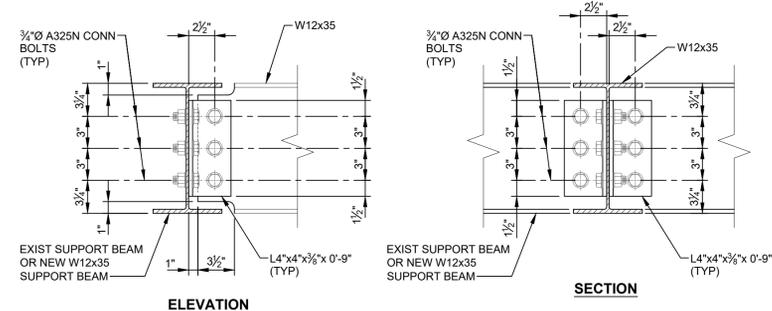
ELEVATION

6 ALUMINUM RAILING: TOP MOUNTED
NO SCALE



ELEVATION

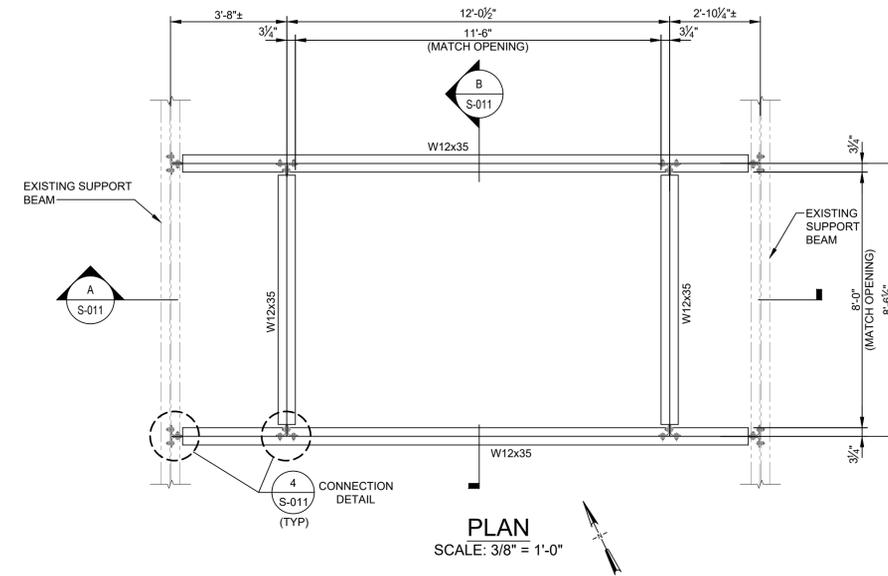
7 ALUMINUM RAILING: RETURN DETAIL
NO SCALE



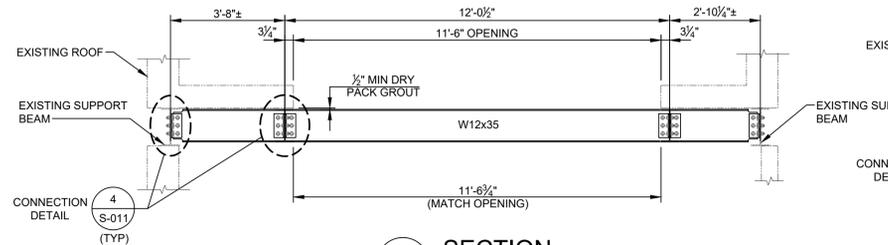
ELEVATION

SECTION

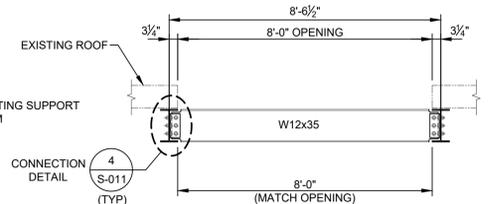
4 TYPICAL CONNECTION DETAIL
Scale: 1-1/2" = 1'-0"



PLAN
SCALE: 3/8" = 1'-0"



A SECTION
Scale: 3/8" = 1'-0"



B SECTION
Scale: 3/8" = 1'-0"

2 ROOF SUPPORT STRUCTURE
Scale: 3/8" = 1'-0"

0 2'-0" 4'-0" 6'-0"
SCALE 3/8"=1'-0" AT ORIGINAL SIZE

0 4" 8" 12" 16"
SCALE 1 1/2"=1'-0" AT ORIGINAL SIZE

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CLIENT / SUBCONSULTANT:



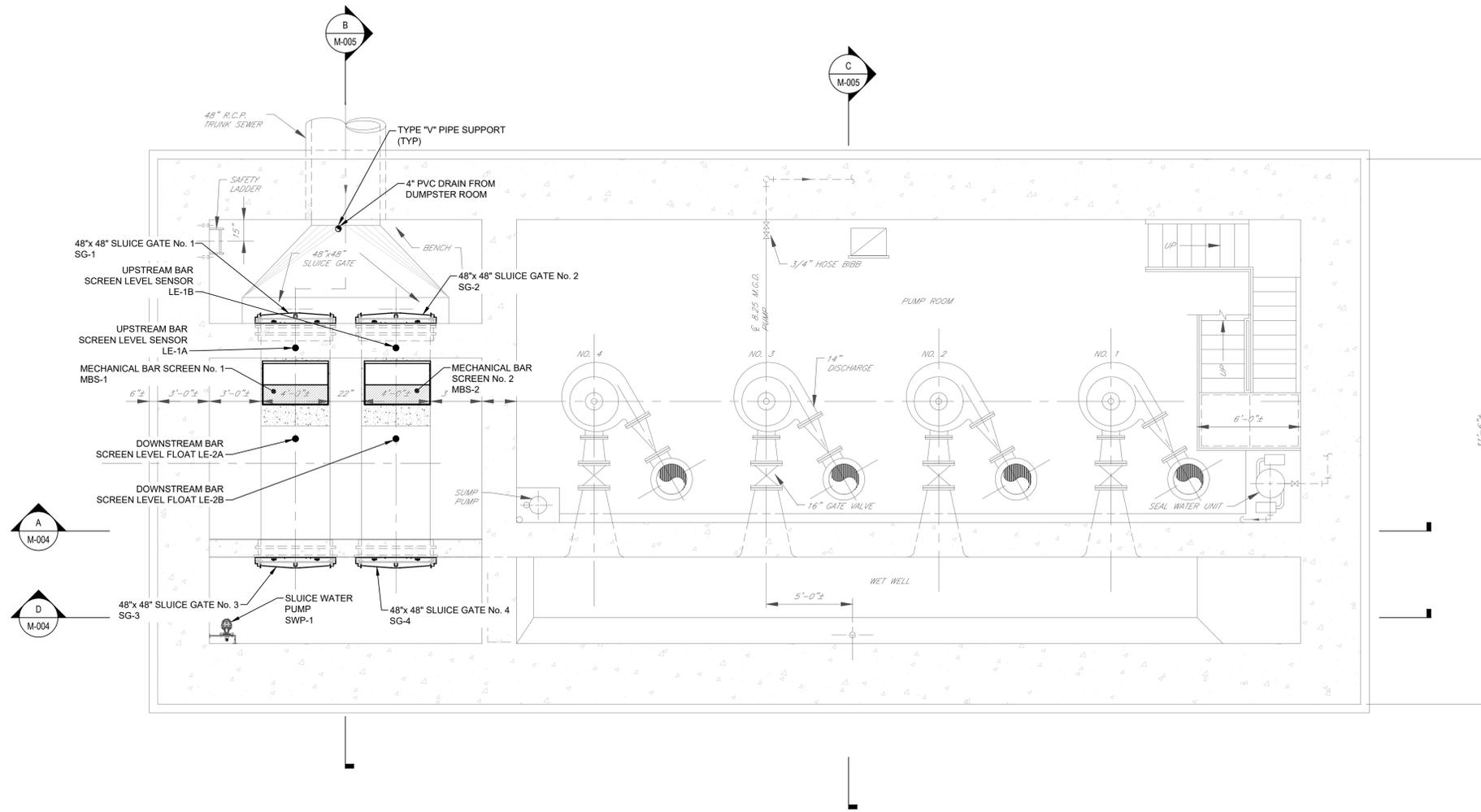
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Landscape Architecture, Engineering & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **MISCELLANEOUS METALS DETAILS**

DRAWINGS ISSUED FOR / REVISIONS		BY	CHK	APP	DATE
NO.	DATE	ISSUED FOR / REVISION	MIL	ASD	MET
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2					
3					
4					
5					
6					

CONTRACT NO. **1**

EDR JOB#: **24124**
DATE: **02/2026**
SCALE: **AS SHOWN**
DRAWN BY: **KAD**
CHECKED BY: **MSD**
DRAWING NUMBER: **S-011**

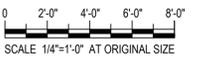


BASEMENT PLAN @ EL 814.00
SCALE: 1/4" = 1'-0"



NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING EQUIPMENT.
2. REFER TO DRAWING M-009 FOR MISCELLANEOUS DETAILS.
3. COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
4. REFER TO DRAWING M-009 FOR GATE SCHEDULE. GATES ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
5. SLUDGE, GRIT, DEBRIS AND OTHER CONTENTS IN EXISTING SPACES, BUT NOT LIMITED TO THE INFLUENT CHANNEL, SUMPS, WET WELL, SCREENINGS AREA SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OFFSITE IN ACCORDANCE WITH THE SPECIFICATION SECTION 015420. THE SPACE SHALL BE HIGH-PRESSURE WASHED AND FINISHED PEP. THE CONTRACTOR SHALL PERFORM CONCRETE REPAIR AS REQUIRED PRIOR TO APPLYING FINISH.



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CLIENT / SUBCONSULTANT:

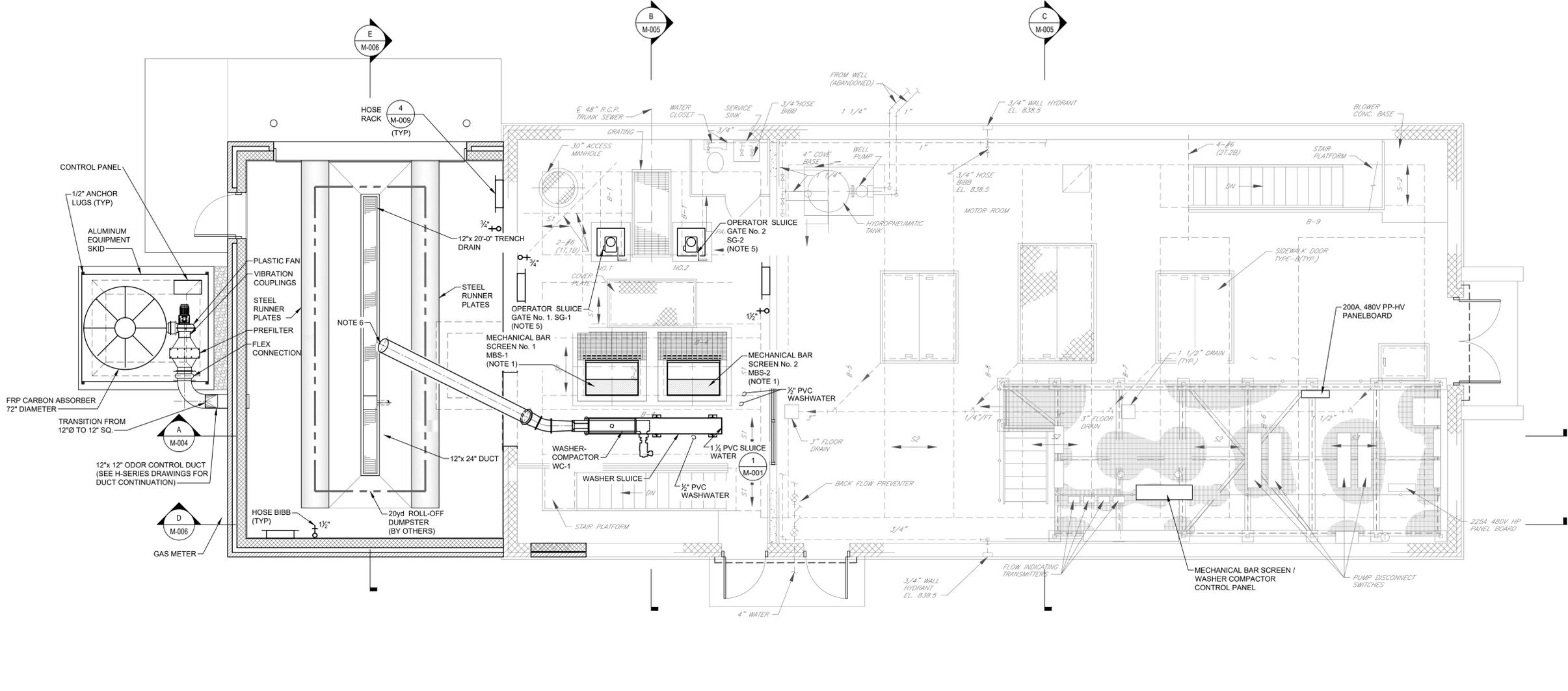


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 Syracuse, New York 13202
 P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **PUMP STATION BASEMENT PLAN**

DRAWINGS ISSUED FOR / REVISIONS		BY	CHK	APP	EDR JOB#
NO.	DATE	ISSUED FOR / REVISION			24124
1	02/2026	FOR BID	MIL	ASD	DATE: 02/2026
2					SCALE: AS SHOWN
3					DRAWN BY: KAD
4					CHECKED BY: ASD
5					DRAWING NUMBER:
6					M-001

CONTRACT NO. **1**



TOP PLAN @ EL. 836.00
SCALE: 1/4" = 1'-0"

- NOTES:**
1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING EQUIPMENT.
 2. REFER TO DRAWING M-009 FOR MISCELLANEOUS DETAILS.
 3. COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
 4. REFER TO DRAWING M-009 FOR GATE SCHEDULE. GATES ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 5. COORDINATE WITH OWNER PERSONNEL FOR DESIRED ORIENTATION OF VALVE OPERATORS (CHAIN OPERATORS) AND GATE OPERATORS (HAND WHEEL/HANDLE).
 6. CHUTE DESIGN SHALL DISCHARGE SCREENINGS TO THE CENTER AREA OF THE DUMPSTER.



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

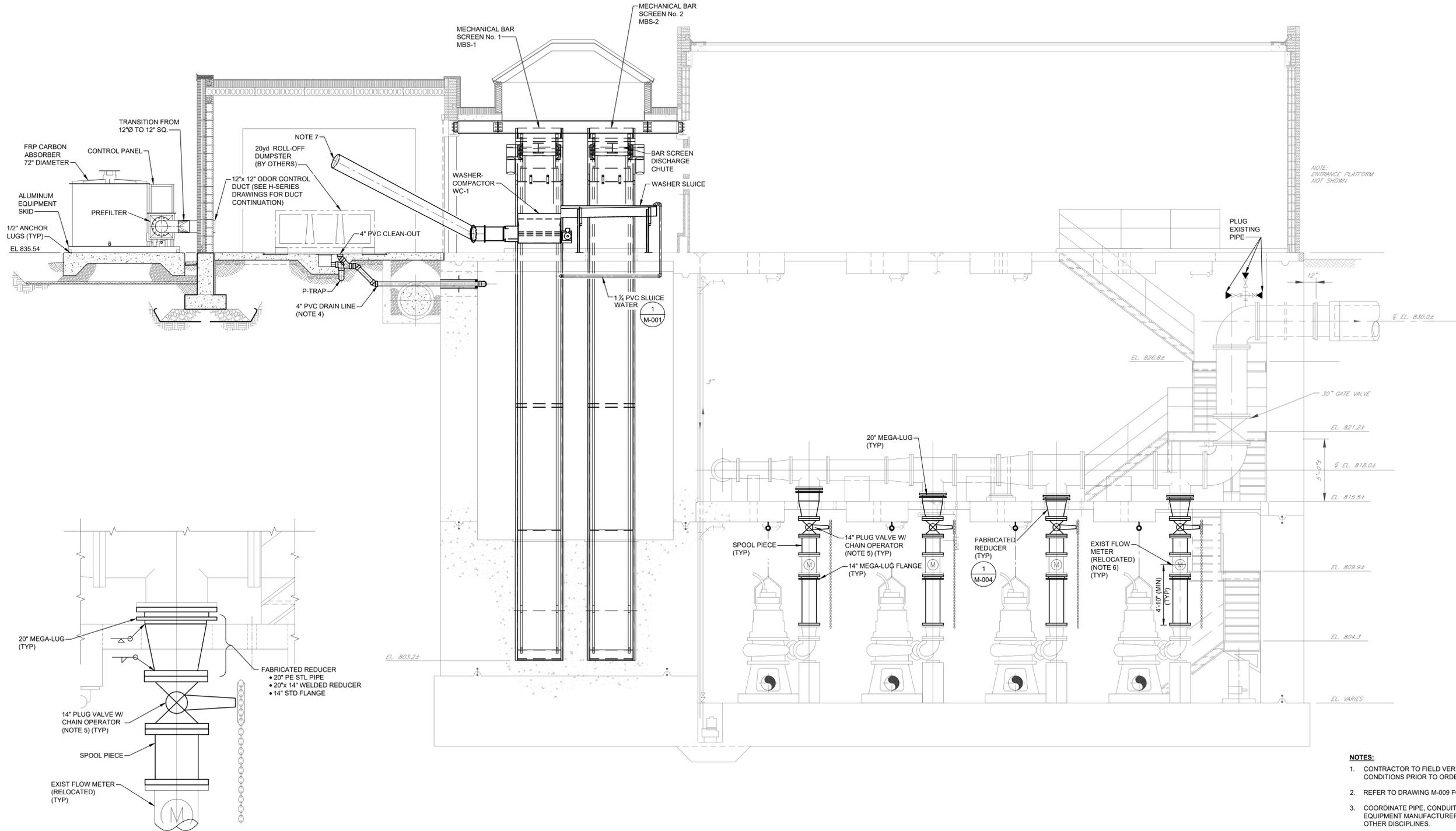
PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

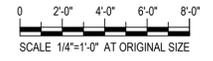
DRAWING TITLE: **PUMP STATION TOP PLAN**

CONTRACT NO. **1**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER:
6						M-003



- NOTES:**
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING EQUIPMENT.
 - REFER TO DRAWING M-009 FOR MISCELLANEOUS DETAILS.
 - COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
 - SLOPE ALL DRAIN PIPE 1/8" MIN TOWARDS DISCHARGE POINT.
 - COORDINATE WITH OWNER PERSONNEL FOR DESIRED ORIENTATION OF VALVE OPERATORS (CHAIN OPERATORS) AND GATE OPERATORS (HAND WHEEL/HANDLE).
 - DISCONNECT / RECONNECT WIRING FOR RELOCATED FLOW METERS.
 - CHUTE DESIGN SHALL DISCHARGE SCREENINGS TO THE CENTER AREA OF THE DUMPSTER.



1 M-004 FABRICATED SPOOL PIECE DETAIL
NO SCALE

A A A SECTION
M-001 M-002 M-003 Scale: 1/4" = 1'-0"

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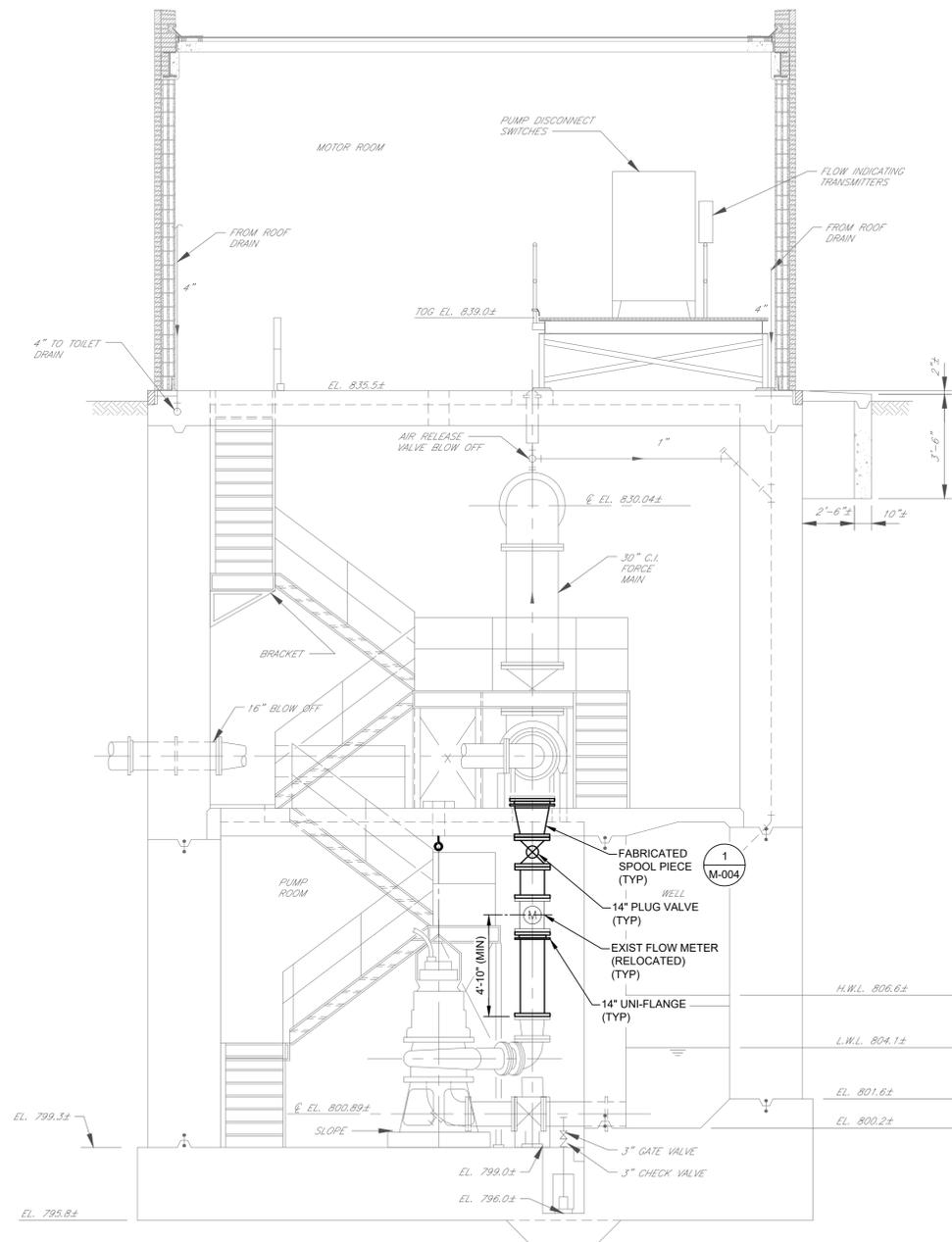
PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: BINGHAMTON, NY
CLIENT: CITY OF BINGHAMTON, NEW YORK

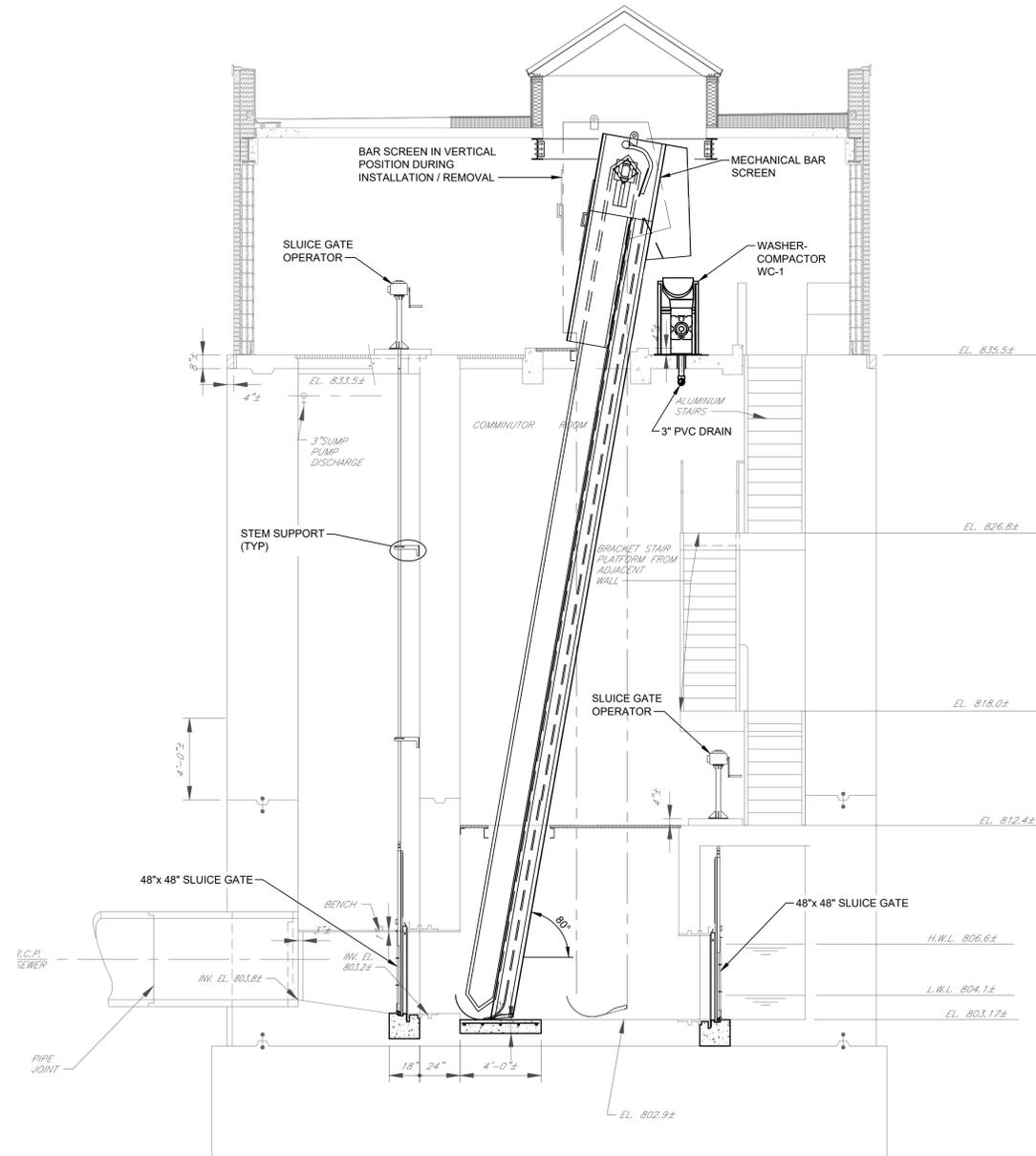
DRAWING TITLE: **PUMP STATION SECTION**

CONTRACT NO. **1**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						M-004



B B B SECTION
 M-001/M-002/M-003 Scale: 1/4" = 1'-0"



C C C SECTION
 M-001/M-002/M-003 Scale: 1/4" = 1'-0"

- NOTES:**
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING EQUIPMENT.
 - REFER TO DRAWING M-009 FOR MISCELLANEOUS DETAILS.
 - COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
 - SLOPE ALL DRAIN PIPE 1/8" MIN TOWARDS DISCHARGE POINT.



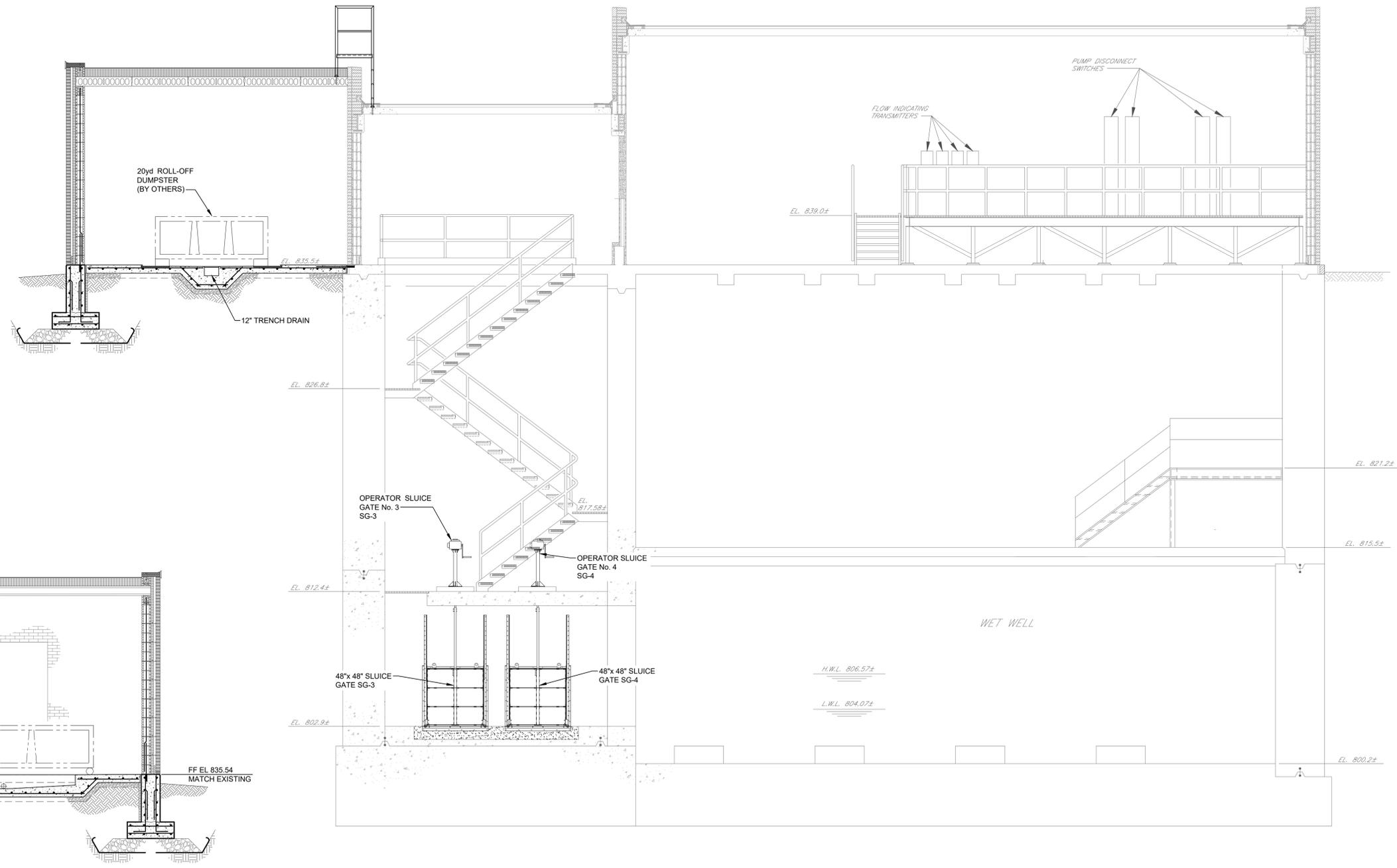
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PROJECT TITLE:	TERMINAL PUMPING STATION UPGRADE		
PROJECT LOCATION:	BINGHAMTON, NY		
CLIENT:	CITY OF BINGHAMTON, NEW YORK		
DRAWING TITLE:	PUMP STATION SECTIONS	CONTRACT NO.	1

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
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3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						M-005

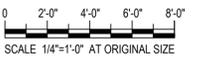


E E SECTION
M-002 / M-003 Scale: 1/4" = 1'-0"

D D D SECTION
M-001 / M-002 / M-003 Scale: 1/4" = 1'-0"

NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING EQUIPMENT.
2. REFER TO DRAWING M-009 FOR MISCELLANEOUS DETAILS.
3. COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
4. CHUTE DESIGN SHALL DISCHARGE SCREENINGS TO THE CENTER AREA OF THE DUMPSTER.



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P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION SECTION**

DRAWINGS ISSUED FOR / REVISIONS		EDR JOB# 24124				
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						M-006

CONTRACT NO. **1**

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CLIENT / SUBCONSULTANT:



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 Landscape Architecture, Engineering & Environmental Services, D.P.C.
 217 Montgomery Street, Suite 1100
 Syracuse, New York 13202
 P. 315.471.0688

PROJECT TITLE:

TERMINAL PUMPING STATION UPGRADE

PROJECT LOCATION: BINGHAMTON, NY

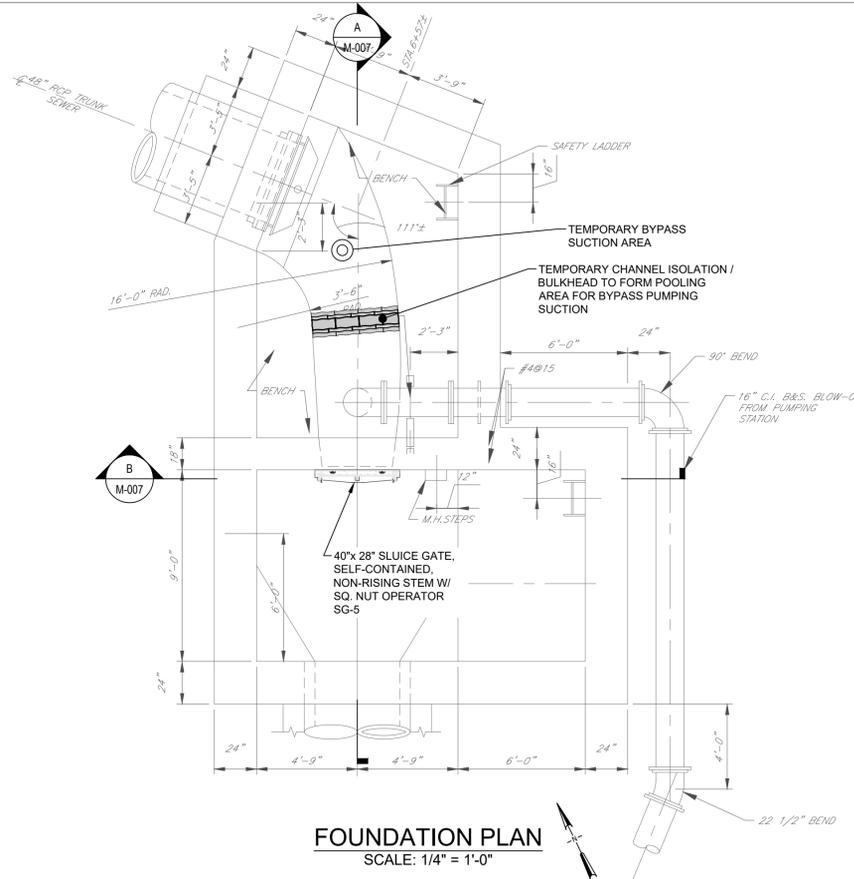
CLIENT: CITY OF BINGHAMTON, NEW YORK

DRAWING TITLE: **REGULATOR VAULT No. 3 PLANS AND SECTIONS**

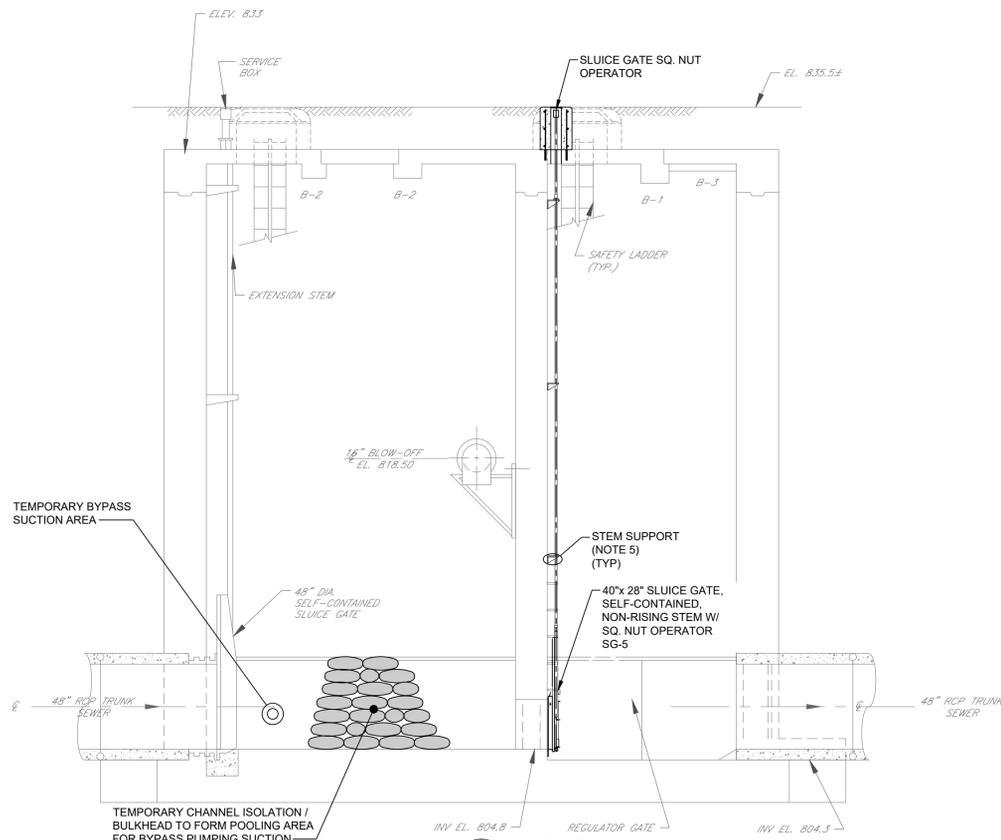
CONTRACT NO. **1**

DRAWINGS ISSUED FOR / REVISIONS

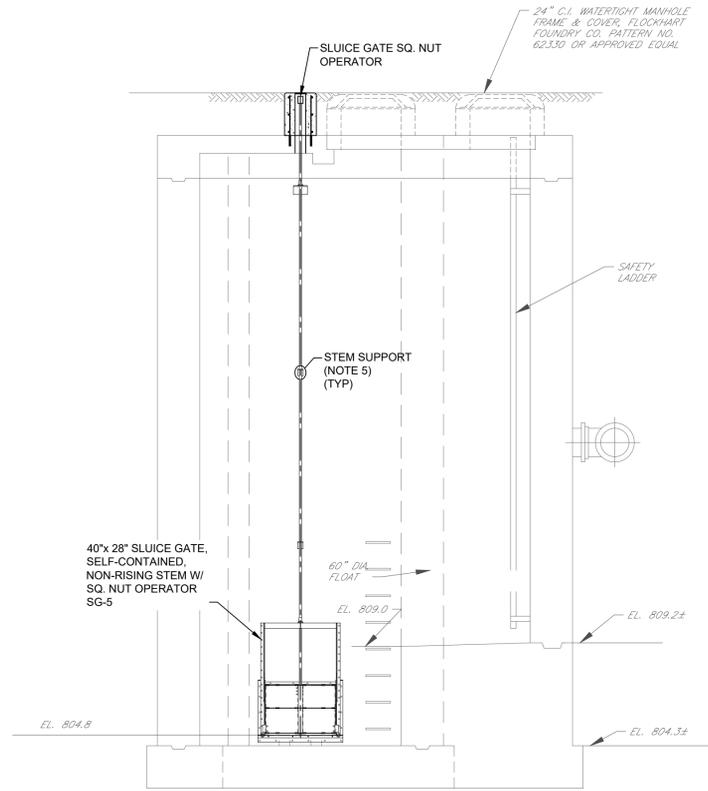
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2							SCALE: AS SHOWN
3							DRAWN BY: KAD
4							CHECKED BY: MJL
5							DRAWING NUMBER
6							M-007



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



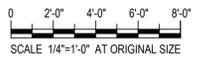
A SECTION
 Scale: 1/4" = 1'-0"

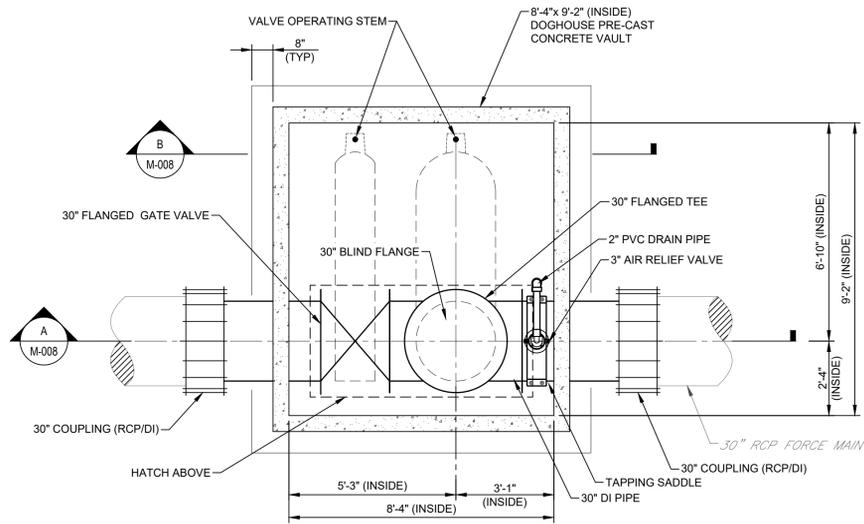


B SECTION
 Scale: 1/4" = 1'-0"

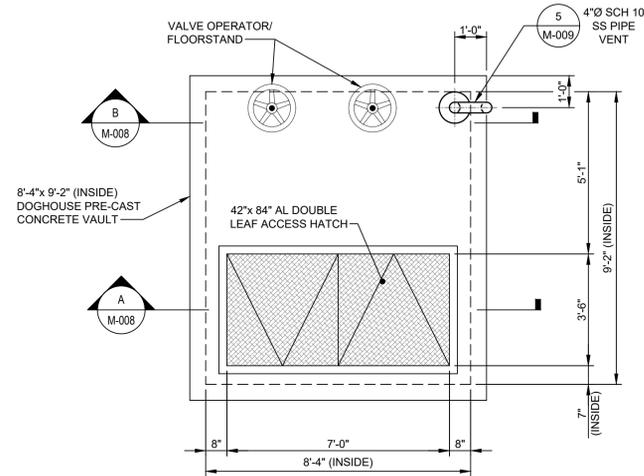
NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING EQUIPMENT.
2. REFER TO DRAWING M-009 FOR MISCELLANEOUS DETAILS.
3. COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.
4. REFER TO DRAWING M-009 FOR GATE SCHEDULE.
5. QUANTITY AND SPACING AS PER GATE MANUFACTURER'S RECOMMENDATIONS.

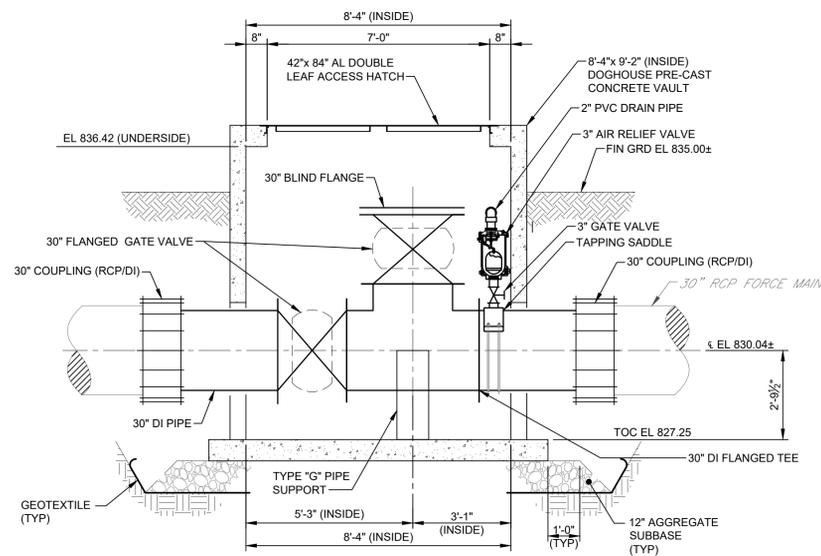




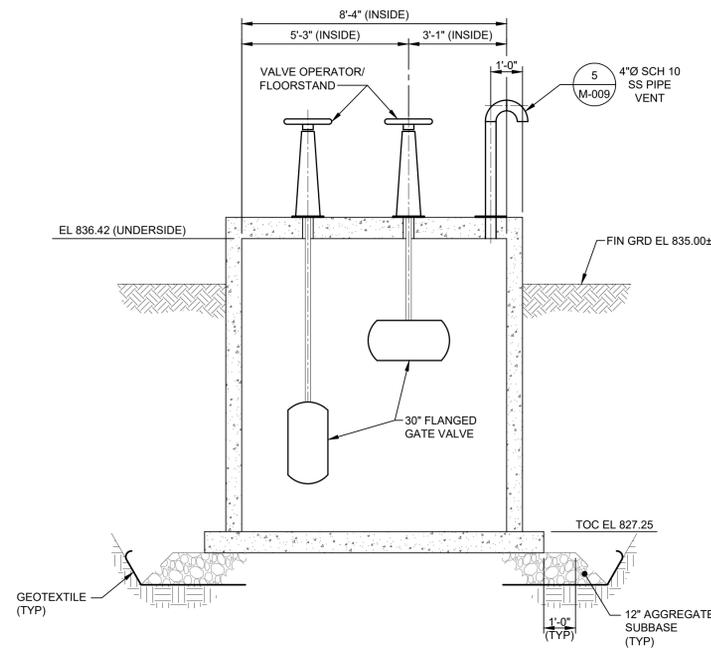
FOUNDATION PLAN
SCALE: 3/8" = 1'-0"



TOP PLAN
SCALE: 3/8" = 1'-0"

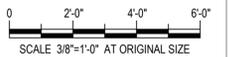


A
M-008
Scale: 3/8" = 1'-0"



B
M-008
Scale: 3/8" = 1'-0"

- NOTES:**
1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING EQUIPMENT.
 2. REFER TO DRAWING M-009 FOR MISCELLANEOUS DETAILS.
 3. COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.



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CLIENT / SUBCONSULTANT:

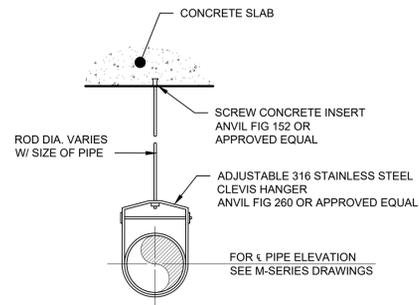


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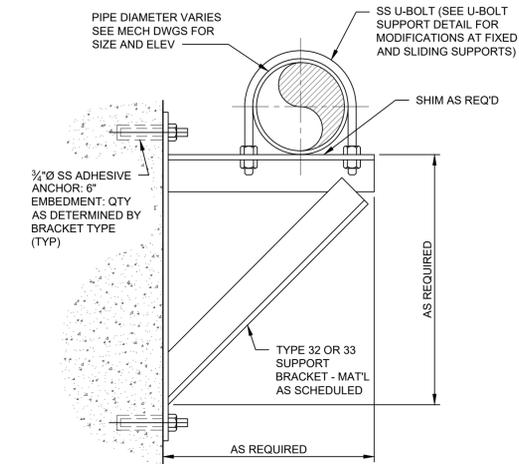
PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **BYPASS PUMPING VAULT PLANS AND SECTIONS**

DRAWINGS ISSUED FOR / REVISIONS		BY	CHK	APP	DATE	EDR JOB#
NO	DATE	ISSUED FOR / REVISION	MIL	ASD	MET	24124
1	02/2026	FOR BID				DATE: 02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER:
6						M-008

CONTRACT NO.
1

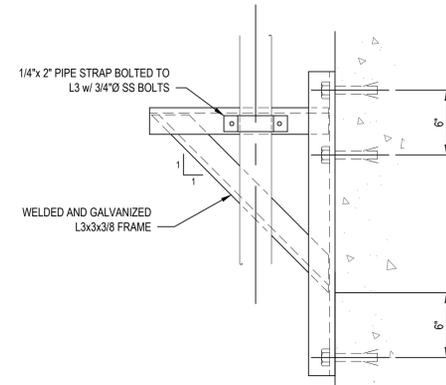


TYPE "A" PIPE SUPPORT
NO SCALE



MAX PIPE SIZE & LOADS		
TYPE	MAX PIPE ϕ	MAX LOAD
32 - MED DUTY	12"	1,500 LBS
33 - HEAVY DUTY	36"	3,000 LBS

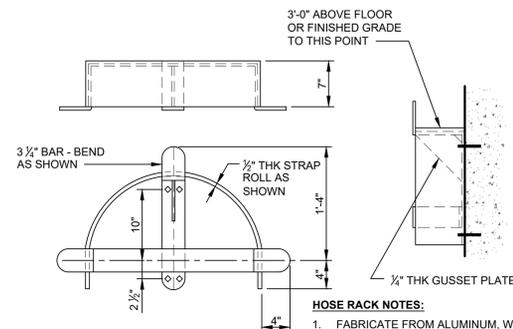
NOTES:
** FOR PIPES LARGER THEN 24" SUPPORT SPACING MUST BE DECREASED SO AS NOT TO EXCEED MAX LOAD.



TYPE "G" CONCRETE PIPE SUPPORT
NO SCALE

WALL ANCHORAGE NOTES:
FOR SOLID WALLS PROVIDE:
3-3/4" SS ADHESIVE ANCHORS 6" EMBEDMENT REFER TO SPECIFICATION SECTION 03600.
FOR HOLLOW CONCRETE BLOCK WALLS PROVIDE:
3-3/4" SS THRU-BOLTS WITH 6"x6"x1/4" 316 STAINLESS STEEL BACKING PLATE

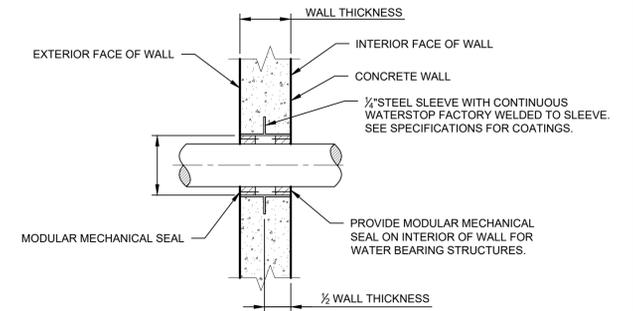
TYPE "V" PIPE SUPPORT
NO SCALE



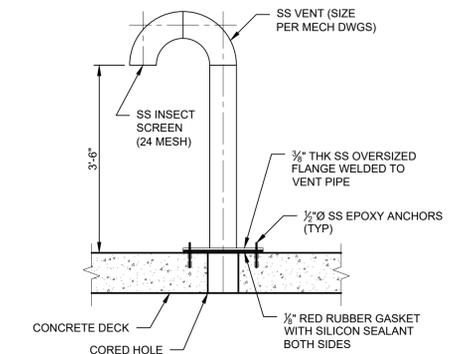
HOSE RACK NOTES:
1. FABRICATE FROM ALUMINUM, WELDED CONSTRUCTION.
2. PROVIDE A HEAVY COAT OF BITUMINOUS PAINT ON SURFACES IN CONTACT WITH CONCRETE.
3. FASTEN TO MASONRY WITH 3/8" ϕ EPOXY ANCHORS (4 PER RACK).

NOTES:
1. COORDINATE QUANTITY AND LOCATIONS WITH OWNER AND ENGINEER.

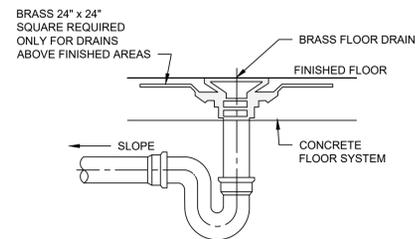
4 HOSE RACK DETAIL
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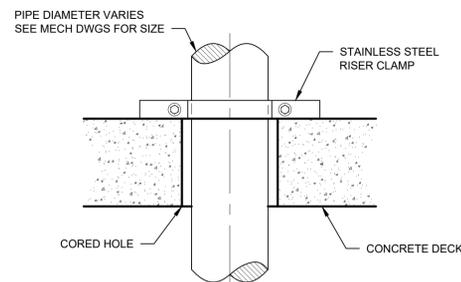
1 WALL SLEEVE
NO SCALE



5 SS VENT DETAIL
NO SCALE

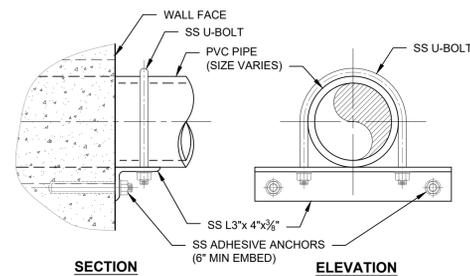


2 FLOOR DRAIN
NO SCALE



6 TYPE "R" RISER OR VERTICAL PIPE SUPPORT
NO SCALE

TYPE "H" PIPE SUPPORT
NO SCALE

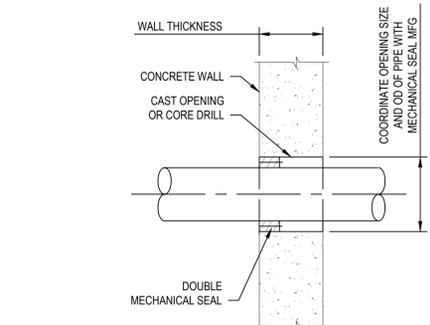
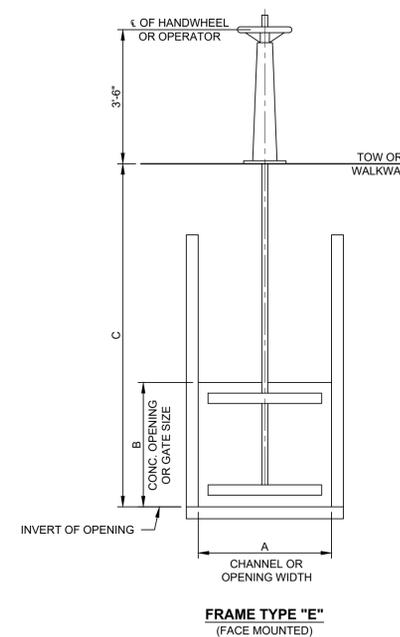


3 PIPE SUPPORT (PIPE THROUGH WALL)
NO SCALE

GATE No.	DESCRIPTION	LOCATION	SHEET No.	FRAME TYPE	A	B	C	MAX HEAD	OPERATION [3]	ELECTRIC OPERATION	CLOSING DIRECTION	QTY	COMMENTS
SG 1 & 2	SLUICE GATE	PUMP STATION	M-001/002/003	E	48"	48"	32'-8"±	4'	MANUAL	N/A	DOWNWARD CLOSING	2	
SG 3 & 4	SLUICE GATE	PUMP STATION	M-001/002/003	E	48"	48"	9'-11"±	4'	MANUAL	N/A	DOWNWARD CLOSING	2	
SG 5	SLUICE GATE	REGULATOR VAULT No. 3	M-007	E	40"	28"	30'-8"±	4'	MANUAL	N/A	DOWNWARD CLOSING	1	SQUARE NUT OPERATOR, NO FLOOR STAND OPERATOR

NOTES:
1. ALL GATES ARE TO BE STAINLESS STEEL.
2. FIELD VERIFY GATES FOR EXISTING STRUCTURES.
3. LOCATE OPERATORS AS SHOWN ON DRAWINGS. COORDINATE GATE OPERATOR LOCATION WITH PIPE RAILING AND OTHER OBSTRUCTIONS.

GATE SCHEDULE



WALL PENETRATION EXISTING STRUCTURE (CONCRETE)
NO SCALE

ABBREVIATIONS:

- A or AMP - AMPERE, AMPS
- AC - ALTERNATING CURRENT
- AF - AMPERE FRAME SIZE
- AFB - ABOVE FINISHED FLOOR
- AFG - ABOVE FINISHED GRADE
- AIC - AMPS INTERRUPTING CURRENT
- ALT - ALTERNATOR
- AM - AMMETER
- ANN - ANNUNCIATOR
- AS - AMMETER SWITCH
- ASV - AIR SOLENOID VALVE
- AT - AMPERE TRIP RATING
- ATS - AUTOMATIC TRANSFER SWITCH
- AUX - AUXILIARY
- AWG - AMERICAN WIRE GAUGE
- BB - CK BOOST
- BKR - BREAKER
- BTS - BEARING TEMPERATURE SENSOR
- C or COND - CONDUIT
- C&W - CONDUIT & WIRE
- CA - CABLE
- CB - CIRCUIT BREAKER
- CDRS - CONDUCTORS
- CIRC - CIRCUIT
- CLF - CURRENT LIMITING FUSE
- COMP - COMPARTMENT
- COR - CORROSION RESISTANT
- CP - CONTROL PANEL
- CPT - CONTROL POWER TRANSFORMER
- CR - CONTROL RELAY
- CT - CURRENT TRANSFORMER
- DC - DIRECT CURRENT
- DM - DAMPER MOTOR
- DPSM - DIFFERENTIAL PRESSURE
- DS - DISCONNECT SWITCH
- EA - EACH
- EF - EXHAUST FAN
- EM - EMERGENCY
- EMH - ELECTRICAL MANHOLE
- EMT - ELECTRICAL METALLIC TUBING
- EMTP - EMBEDDED MOTOR THERMAL PROTECTOR
- ES - EMERGENCY SWITCH
- ESTOP - EMERGENCY STOP
- ETM - ELAPSED TIME METER
- EUH - ELECTRIC UNIT HEATER
- FA - FIRE ALARM
- FIT - FLOW TRANSMITTER
- FLEX - FLEXIBLE
- FLOA - FLOAT SWITCH
- FM - FORCE MAIN
- FOSA - FAST-OFF-SLOW-AUTOMATIC
- FOS - FAST-OFF-SLOW
- FS - FLOW SWITCH
- FSW - FUSED SWITCH
- FVNR - FULL VOLTAGE NON REVERSING
- FVR - FULL VOLTAGE REVERSING
- FVTS - FULL VOLTAGE TWO SPEED
- GEN - GENERATOR
- GENSET - EMERGENCY POWER GENERATOR
- GFCI - GROUND FAULT CIRCUIT INTERRUPTER
- GFI - GROUND FAULT INTERRUPTER
- GRD - GROUND
- HOA - HAND-OFF-AUTO SELECTOR SWITCH
- HP - HORSE POWER
- HPU - HYDRAULIC POWER UNIT
- HV - HEATING AND VENTILATION
- HFS - HIGH FLOAT SWITCH
- IB/OB - INBOARD/OUTBOARD
- IL - INDICATING LIGHT
- I/O - INPUT/OUTPUT
- IS - INTRUSION SWITCH
- ISR - INTRINSICALLY SAFE RELAY
- JB - JUNCTION BOX
- JIC - JOINT INDUSTRIAL COUNCIL
- KCML - THOUSAND CIRCULAR MILS
- KSU - KEY SERVICE UNIT
- KVA - KILOVOLT AMPERES
- KW - KILOWATT
- LA - LIGHTNING ARRESTOR
- LC - LIGHTING CIRCUIT
- LCP - LOCAL CONTROL PANEL
- LCS - LOCAL CONTROL STATION
- LO - LOCKOUT
- LS - LIMIT SWITCH
- mA - MILLIAMPS
- MAG - MAGNETIC
- MAX - MAXIMUM
- MCB - MAIN CIRCUIT BREAKER

ABBREVIATIONS:

- MCC - MOTOR CONTROL CENTER
- MCP - MOTOR CIRCUIT PROTECTOR
- MCS/ - MOLDED CASE SWITCH
- T - THERMAL ONLY
- M - MAGNETIC ONLY
- AUTO - AUTOMATIC ONLY
- MDP - MAIN DISTRIBUTION PANEL
- MFR - MANUFACTURER
- MIN - MINIMUM
- MLO - MAIL LUGS ONLY
- MMS - MANUAL MOTOR STARTER
- MSS - MOTOR STARTING SWITCH
- MTR - MOTOR TIMING RELAY
- MWTS - MOTOR WINDING TEMPERATURE SENSOR
- MWTP - MOTOR WINDING THERMAL PROTECTION
- Mx - MOTOR CONTACTOR AUXILIARY CONTACT
- NC - NORMALLY CLOSED
- NEC - NATIONAL ELECTRIC CODE
- NO - NORMALLY OPEN
- NP - NAMEPLATE
- OH/E - OVERHEAD ELECTRIC
- OH/L - OVERHEAD TELEPHONE
- OL - OVERLOAD RELAY
- O&R - ORANGE AND ROCKLAND COUNTY UTILITY COMPANY
- ø - PHASE
- P - POLE
- PB - PUSHBUTTON
- PBx - PULL BOX
- PF - PULLING FITTING
- PLC - PROGRAMMABLE LOGIC CONTROLLER
- PNL - PANEL
- POT - POTENTIOMETER
- PR - PAIR
- PSH - PRESSURE SWITCH
- PT - POTENTIAL TRANSFORMER
- R&R - REMOVE & REPLACE
- RECP - RECEPTACLE
- RGS - RIGID GALVANIZED STEEL CONDUIT
- ROS - REMOTE OPERATING STATION
- RV-AT - REDUCED VOLTAGE AUTO TRANSFORMER
- RVSS - REDUCED VOLTAGE SOFT STARTER
- RTU - REMOTE TERMINAL UNIT
- SA - SURGE ARRESTOR
- SCR - SILICON CONTROLLED RECTIFIER
- SD - DUCT SMOKE DETECTOR
- SEC - SECOND
- SEL or SEL SW - SELECTOR SWITCH
- SF - SUPPLY FAN
- SHLD - SHIELDED
- SL - STOP/LOCKOUT SWITCH
- SN - SOLID NEUTRAL
- SS - STAINLESS STEEL
- SSRVS - SOLID STATE REDUCED VOLTAGE STARTER
- SSW - SAFETY SWITCH
- S/S - STOP/START PUSH BUTTON
- STR - STRANDED
- SV - SOLENOID VALVE
- SW - SWITCH
- SWBD - SWITCHBOARD
- SWD - SWITCHING DUTY
- SWSV - SEALWATER SOLENOID VALVE
- TC - TERMINAL CABINET OR TIMED CLOSED
- TDR - TIME DELAY RELAY
- TERM - TERMINAL
- TR - TIMER
- TR.SW. - TRANSFER SWITCH
- TR24 - 24-HOUR TIMER
- TPR - TERTIARY PHOSPHOROUS REMOVAL
- TS - TORQUE SWITCH
- TSH - TEMPERATURE SWITCH HIGH
- TSP - TWISTED SHIELDED PAIR
- TST - TWISTED SHIELDED TRIAD
- TYP - TYPICAL
- UG/E - UNDERGROUND ELECTRIC
- UG/T - UNDERGROUND TELEPHONE
- UNK - UNKNOWN
- UPS - UNINTERRUPTIBLE POWER SUPPLY
- VA - VOLT-AMPERES
- VFD - VARIABLE FREQUENCY DRIVE
- VM - VOLTMETER
- VS - VOLTMETER SWITCH
- VSC - VARIABLE SPEED CONTROL
- VSH - VIBRATION SWITCH HIGH
- W/ - WITH
- WP - WEATHER PROOF, WATER PROOF
- XP - EXPLOSION PROOF
- 2S1W - 2 SPEED, 1 WINDING
- 2S2W - 2 SPEED, 2 WINDING
- XFMR - TRANSFORMER

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH THE SUPPLEMENTAL UNIFORM AND FIRE PREVENTION BUILDING CODE OF NEW YORK AND ALL CODES LOCAL OR OTHERWISE HAVING JURISDICTION OVER THE WORK.
2. THE WORDS PROVIDE OR INSTALL, SINGLY OR IN COMBINATION SHALL MEAN FURNISH AND INSTALL.
3. THE CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
4. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THEIR WORK AND NEWLY INSTALLED OR EXISTING WORK, INCLUDING PROTECTION OF BUILDING OCCUPANTS, PUBLIC, AND PERSONNEL. PROVIDE APPROPRIATE BARRIERS, AND SAFETY GUARD RAILS AS REQUIRED.
5. LIMIT THE SPREAD OF DUST WHEN CUTTING BY INSTALLING POLYETHYLENE BARRIERS OR TARPULINS TO CONTAIN AIRBORNE MATERIALS.
6. THE CONTRACTOR SHALL TURN OVER TO THE OWNER AT THE COMPLETION OF ALL WORK, THREE (3) COPIES IN BOUND FORM OF OPERATING, MAINTENANCE, AND INSTRUCTION MANUALS WHICH SHALL INCLUDE ALL EQUIPMENT BROCHURES, PIPING AND WIRING DIAGRAMS, DRAWINGS, TEMPERATURE CONTROLS, AND STARTUP AND SHUTDOWN PROCEDURES OF ALL NEWLY INSTALLED EQUIPMENT.
7. THE CONTRACTOR SHALL FILE PLANS WITH GOVERNING AUTHORITIES HAVING JURISDICTION AND SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE INSTALLATION OF THEIR WORK.
8. THE CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORK INSTALLED TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, AFTER ACCEPTANCE OF THE INSTALLATION BY THE ENGINEER AND OWNER. THE CONTRACTOR SHALL SUBMIT IN WRITING TO OWNER STATING SAME.
9. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THEIR REPRESENTATIVES AND THE ENGINEER FROM ANY CLAIMS OR SUITS RESULTING IN NEGLIGENCE ON THE PART OF THE CONTRACTOR AND FOR FAILING TO EXECUTE THEIR WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
10. ALL WORK SHALL BE INSPECTED BY A THIRD PARTY. CONTRACTOR SHALL PAY ALL ASSOCIATED FEES.
11. THE CONTRACTOR SHALL PROVIDE ALL RIGGING, HOISTING AND SCAFFOLDING AS REQUIRED FOR THE INSTALLATION OF THEIR WORK.
12. ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AND WORKMAN EXPERIENCED IN THE TRADE HAVING JURISDICTION. ALL WORK SHALL BE SUPERVISED AT ALL TIMES AND WORKMANSHIP SHALL BE FIRST CLASS IN ALL RESPECTS.
13. ANY DEVIATION OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER OR OWNER. ANY WORK INSTALLED WITHOUT PRIOR APPROVAL OF THE ENGINEER OR OWNER OR FOUND TO BE DEFECTIVE OR OF POOR QUALITY SHALL BE REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
14. ALL CONSTRUCTION WORK SHALL BE CONFINED TO THE AREA INDICATED ON PLANS AND SHALL NOT BLOCK MEANS OF EGRESS IN THE BUILDING.
15. PATCHING OF WALLS, FLOORS, ETC. SHALL BE BY TRADE WHO PERFORMS WORK AND SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. WORK AREA SHALL BE LEFT BROOM CLEAN AT THE END OF EACH DAY. ALL DISCARDED AND DEMOLISHED MATERIAL AND RUBBISH SHALL BE REMOVED FROM THE PREMISES DAILY IN A LEGAL AND APPROVED MANNER.
16. ALL WORK SHOWN ON ALL DRAWINGS IS NEW UNLESS OTHERWISE NOTED.
17. ALL PENETRATIONS THROUGH PARTITIONS, FLOORS, WALLS AND ROOF FOR ALL PIPING, CONDUIT AND DUCTWORK SHALL BE SEALED AND FIRE SAFED OFF TO ENSURE FIRE INTEGRITY OF STRUCTURE.
18. ALL DOWNSTREAM DEVICES WHICH BECOME DISCONNECTED DURING THIS CONSTRUCTIONS SHALL BE RECONNECTED AT NO COST TO THE OWNER. PROVIDE ALL CONDUIT AND WIRE AS REQUIRED.
19. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AS WELL AS BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING REASONABLE PRECAUTIONS AND SHALL PROVIDE REASONABLE PROTECTION TO PREVENT INJURY OR DAMAGE TO PERSONS, THE WORK AND OTHER PROPERTY.
21. OWNER RESERVES THE RIGHT TO MOVE EQUIPMENT LOCATION 10'-0" FROM WHERE SHOWN ON CONTRACT DRAWINGS WITH NO ADDITIONAL COST.

NEW/EXISTING TEXT IDENTIFIER:

WORK, EQUIPMENT AND STRUCTURES TO BE PROVIDED ARE SHOWN IN THIS TEXT FORMAT

EXISTING EQUIPMENT, CONDITIONS AND STRUCTURES ARE SHOWN IN THIS TEXT FORMAT.

GENERAL LIGHTING NOTES:

1. INSTALL LIGHTING LUMINAIRES IN LOCATIONS AS SHOWN OR AS NOTED, AS CLOSE AS POSSIBLE TO THESE LOCATIONS WHEN ADJUSTMENTS TO AVOID INTERFERENCES ARE REQUIRED. LUMINAIRES SHALL BE INSTALLED LEVEL AND PLUMB.
2. CONNECT LUMINAIRES ON CIRCUITS AS SHOWN ON DRAWINGS AND ON PANELBOARD SCHEDULES. LIGHTING CIRCUIT CONDUIT AND CONDUCTORS SHALL BE PER NEC OR AS NOTED ON THE DRAWINGS.
3. CLEAN EACH LUMINAIRE AT TIME OF SUBSTANTIAL COMPLETION.
4. OPERATE EACH LUMINAIRE AFTER INSTALLATION AND CONNECTION. INSPECT FOR PROPER CONNECTIONS AND OPERATION, AND REPAIR ALL IMPROPER CONNECTIONS.
5. LIGHT SWITCHES SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS, AND SUITABLE FOR THE CLASSIFICATION OF THE AREA.
6. SUBMIT SHOP DRAWINGS FOR ALL LUMINAIRES UNDER THIS CONTRACT IN ACCORDANCE WITH SECTION 013300 OF THE CONTRACT DOCUMENTS. PROVIDE COMPLETE INFORMATION INCLUDING LUMINAIRE ACCESSORIES, INSTALLATION INSTRUCTIONS, OPERATIONS AND MAINTENANCE INFORMATION, AND LIST OF LUMINAIRE TYPES AND MANUFACTURER TO BE USED FOR EACH.
7. PROVIDE PROJECT RECORD DOCUMENTS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. RECORD DOCUMENTS SHALL ACCURATELY SHOW FIXTURE LOCATIONS OF EACH LUMINAIRE INCLUDING THE CONNECTIONS, AND FOR EACH TYPE OF LUMINAIRE, PROVIDE MANUFACTURER'S NAME, CATALOG NUMBER, VOLTAGE, LAMP TYPE AND POWER REQUIREMENTS.

LIGHTING FIXTURE SCHEDULE							
TYPE	LAMP	MOUNT-ING	VOLTAGE/LOAD	MANUF.	MODEL	COLOR TEMP.	COMMENTS
A	LED	CEILING SURFACE	120V/ 40W	HOLOPHANE	HEXF1 LED	4000K	RATED FOR CLASS 1, DIVISION 1, GROUP D HAZARDOUS LOCATIONS, CAST AND EXTRUDED ALUMINUM HOUSING, 5300 NOMINAL LUMENS, DIFFUSED GLASS LENS, 4000K, 80 CRI, TYPE III DISTRIBUTION, OR APPROVED EQUAL.
B	LED	WALL MOUNT	120V/ 16W - 59W	LITHONIA	TWR1 LED	3000K - 5000K	CAST ALUMINUM HOUSING, 2300 - 8500 NOMINAL LUMENS, 4000K, 80 CRI, TYPE III DISTRIBUTION, OR APPROVED EQUAL.
EXIT LITHONIA D SELF-LUMINOUS TRITIUM EXIT SIGN, SINGLE FACE, ALUMINUM HOUSING, RED FACEPLATE, 20 YEARS, SUITABLE FOR USE IN CLASS 1, DIVISION 1, GROUP D HAZARDOUS AREAS.							

SYMBOL	DESCRIPTION
	EQUIPMENT, DEVICE, CONDUIT, WIRE, ETC. TO BE PROVIDED AND INSTALLED
	EXISTING EQUIPMENT, DEVICE, CONDUIT, WIRE, ETC. TO BE REMOVED
	EXISTING EQUIPMENT, DEVICE, CONDUIT, WIRE, ETC. TO BE PROVIDED UNDER THIS CONTRACT
	NAME PLATE
	JUNCTION BOX
	DISCONNECT SWITCH, FRAME/FUSE
	FLEXIBLE CONDUIT
	WIRES CONNECTED
	WIRES NOT CONNECTED
	SINGLE POLE SWITCH (P) PILOT LIGHT (3) THREE-WAY
	DUPLEX RECEPTACLE
	QUAD RECEPTACLE
	UTILITY POLE
	EXISTING EQUIPMENT, DEVICE, WIRING, ETC.
	UTILITY COMPANY METER.
	UTILITY COMPANY TRANSFORMERS.
	FUSED DISCONNECT SWITCH, RATED AS INDICATED.
	N.O. = NORMALLY OPEN. N.C. = NORMALLY CLOSED.
	CURRENT LIMITING FUSE.
	CIRCUIT HOMERUN (120V) TO PANELBOARD
	CIRCUIT HOMERUN (208, 3Ø V) TO PANELBOARD
	CIRCUIT HOMERUN (480V, 3Ø) TO PANELBOARD
	WIREWAY - CROSSLINES INDICATE NUMBER OF CONDUCTORS WHERE MORE THAN TWO
	OVERHEAD POWER LINES
	277/480V 3Ø 4W PANELBOARD
	EXIT SIGN
	LIGHT FIXTURE. "X" DENOTES TYPE.
	SWITCH
	3-WAY SWITCH
	CAMERA
	DOOR CONTACT INTRUSION SWITCH
	HAND HOLE
	SECURITY DOOR CONTACT
	SPECIAL CONFIGURATION RECEPTACLE

AREA CLASSIFICATIONS		
BUILDING	AREA	CLASSIFICATION
PUMP STATION	WET WELL (ALL AREAS)	INTERIOR IS A CLASS 1, DIV. 1, GROUP D AREA
PUMP STATION	ROLL-OFF / SCREENINGS RM	INTERIOR IS A CLASS 1, DIV. 1, GROUP D AREA
PUMP STATION	PUMP ROOM UPPER LEVEL	UNCLASSIFIED
PUMP STATION	PUMP ROOM INTERMEDIATE LEVEL	WET AREA
PUMP STATION	PUMP ROOM BASEMENT LEVEL	WET AREA
ELECTRIC BUILDING	ELECTRIC ROOM	UNCLASSIFIED

THE ABBREVIATIONS AND SYMBOLS LISTED HEREIN ARE STANDARDS OF THIS OFFICE. ONLY A PORTION OF THEM WILL NECESSARILY APPLY TO THIS PROJECT. SEE THE LISTINGS IN OTHER SECTIONS OF THIS DOCUMENT FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS.

1. PROVIDE SEAL OFFS FOR ANY CONDUIT RUN THAT PASSES OR ENTERS A CLASS 1, DIV. 1 AND DIV. 2 GROUP D CLASSIFIED AREA PRIOR TO COUPLINGS, CONNECTORS, BOXES, ETC. SEAL OFFS SHALL BE INSTALLED ON THE LINE SIDE OF JUNCTION BOXES.
2. PROVIDE EQUIPMENT ENCLOSURE RATINGS SUITABLE FOR THEIR CLASSIFICATION.
3. CLASSIFIED HAZARDOUS CLASS 1, DIV. 1, AND DIV. 2 ARE SYNONYMOUS.
4. SEALTITE IS NOT ACCEPTABLE IN CLASS 1, DIV. 2 AREAS.



CLIENT / SUBCONSULTANT:



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 217 Montgomery Street, Suite 1100
 Syracuse, New York 13202
 P. 315.471.0688

PROJECT TITLE:

TERMINAL PUMPING STATION UPGRADE

PROJECT LOCATION: BINGHAMTON, NY

CLIENT: CITY OF BINGHAMTON, NEW YORK

DRAWING TITLE: **NOTES, LEGENDS AND ABBREVIATIONS**

DRAWINGS ISSUED FOR / REVISIONS

NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						
3						
4						
5						
6						

EDR JOB#: 24124

SCALE: AS NOTED

DRAWN BY: AMC

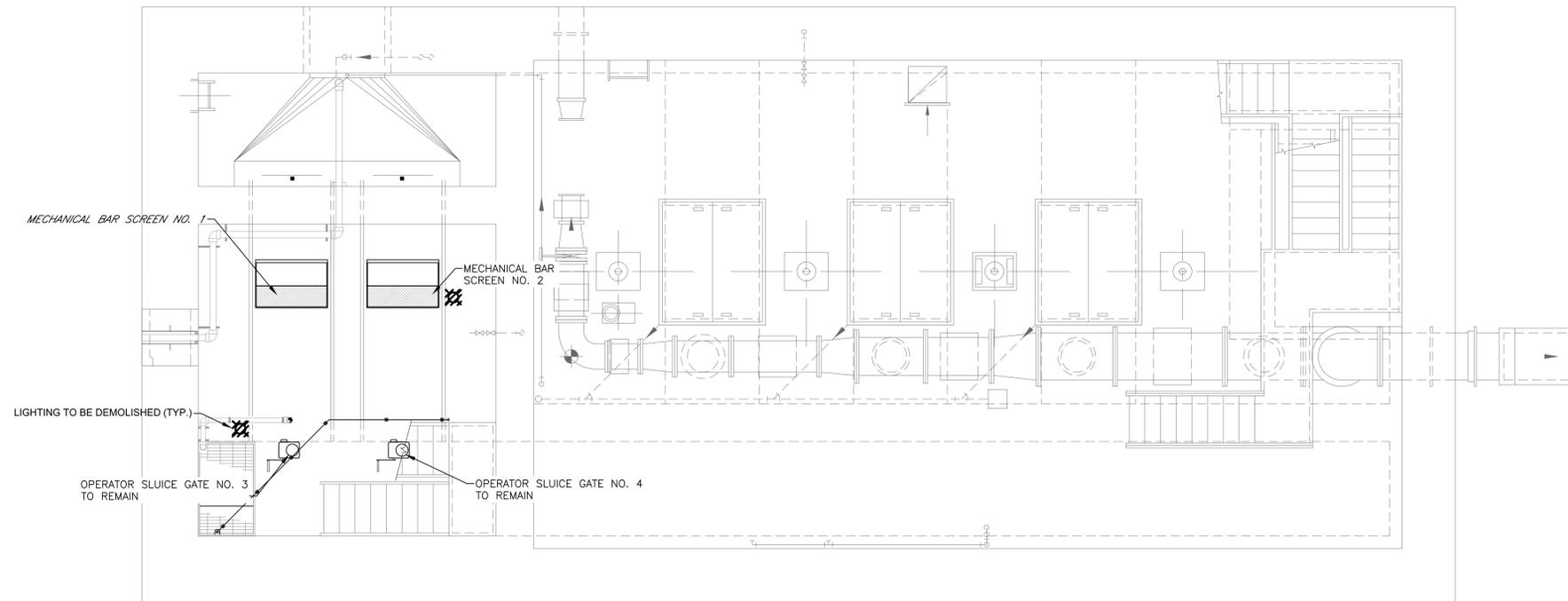
CHECKED BY: JGD

DRAWING NUMBER:

E-001

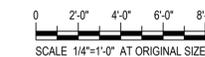
CONTRACT NO.

2



- NOTES**
- DEMOLISH ALL CONDUIT AND WIRE FOR EQUIPMENT BACK TO SOURCE.

INTERMEDIATE PUMP STATION PLAN @ EL 816.00 - DEMOLITION
SCALE: 1/4" = 1'-0"



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CLIENT / SUBCONSULTANT:

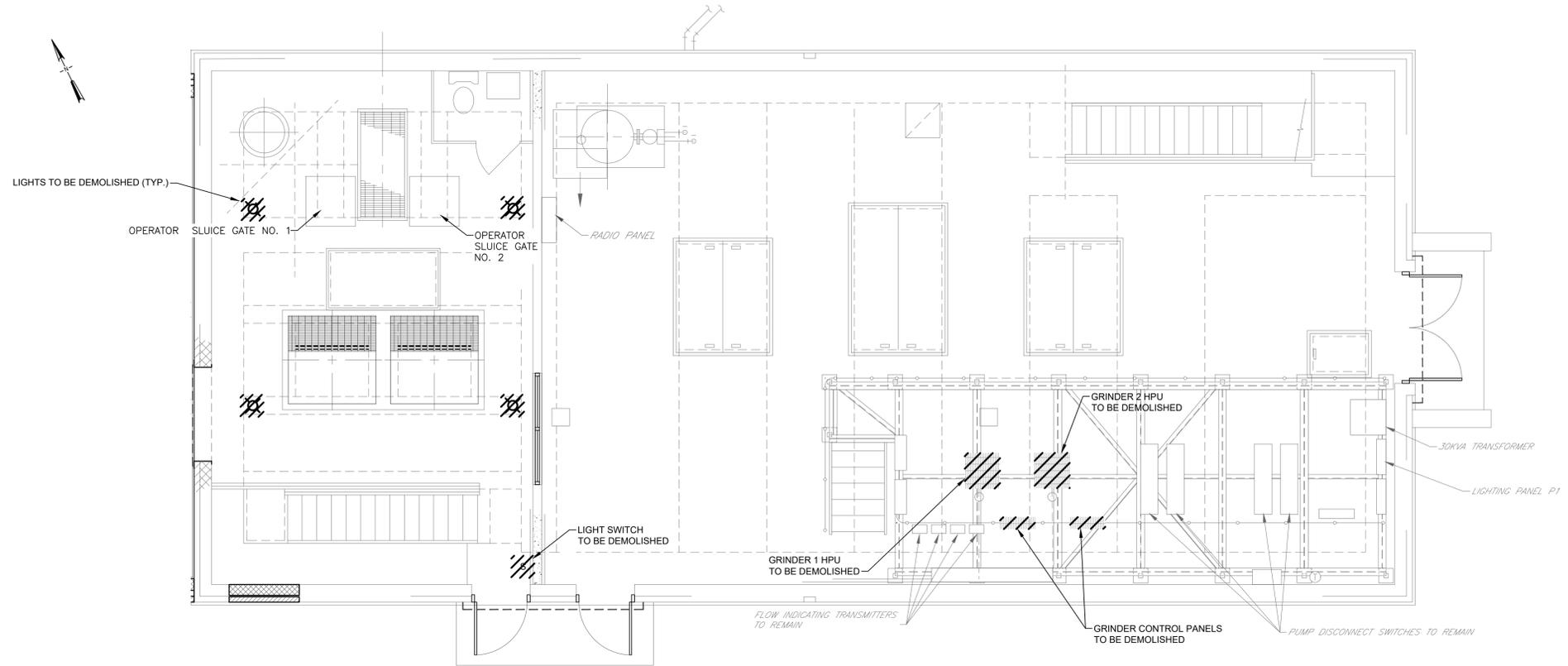


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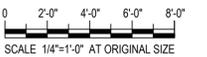
PROJECT TITLE:	TERMINAL PUMPING STATION UPGRADE	
PROJECT LOCATION:	BINGHAMTON, NY	
CLIENT:	CITY OF BINGHAMTON, NEW YORK	
DRAWING TITLE:	PUMP STATION DEMOLITION INTERMEDIATE PLAN	CONTRACT NO. 2

DRAWINGS ISSUED FOR / REVISIONS			BY	CHK	APP	DATE
NO.	DATE	ISSUED FOR / REVISION				
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS NOTED
3						DRAWN BY: AMC
4						CHECKED BY: JGD
5						DRAWING NUMBER
6						E-101

EDR JOB#: 24124



PUMP STATION UPPER LEVEL PLAN @ EL 836.00 - DEMOLITION
SCALE: 1/4" = 1'-0"



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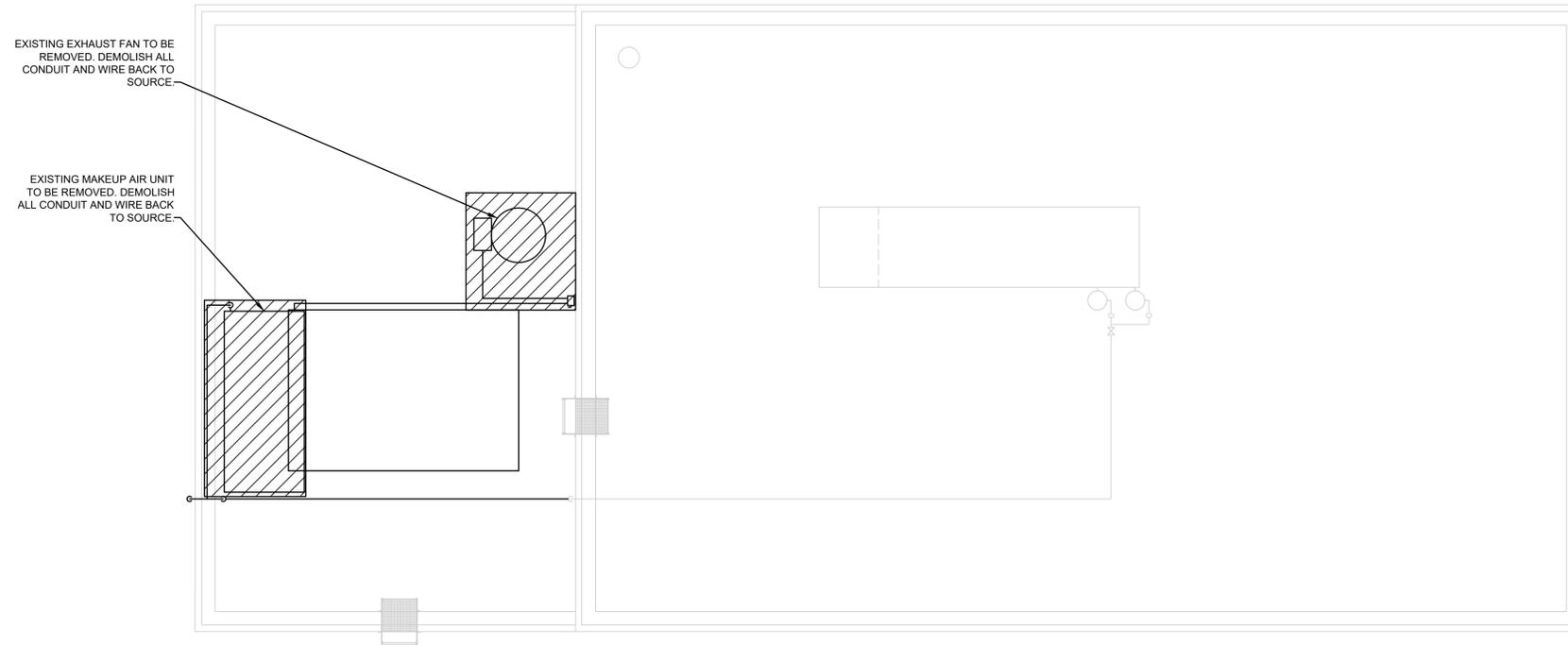
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION DEMOLITION UPPER LEVEL PLAN**

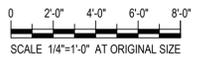
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3					
4					
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6					

CONTRACT NO. **2**

EDR JOB#: **24124**
DATE: **02/2026**
SCALE: **AS NOTED**
DRAWN BY: **AMC**
CHECKED BY: **JGD**
DRAWING NUMBER: **E-102**



ROOF DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



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CLIENT / SUBCONSULTANT:



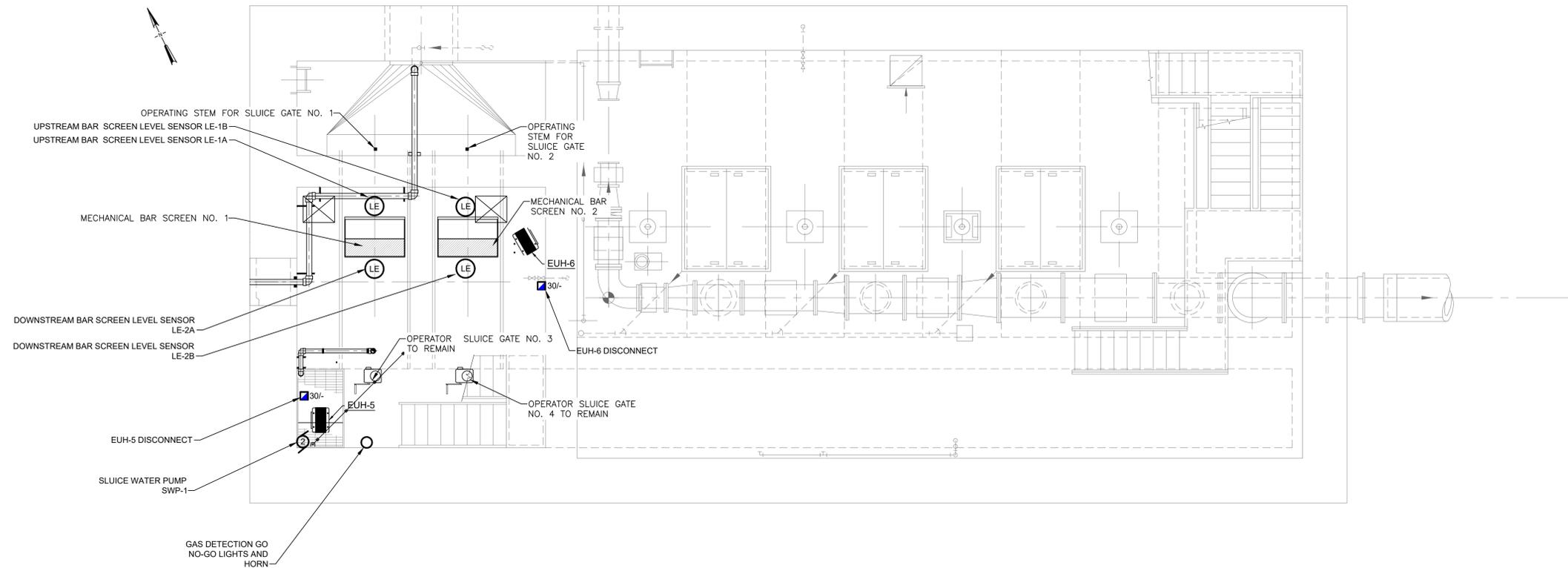
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION ROOF DEMOLITION PLAN**

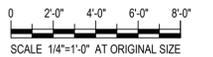
CONTRACT NO. **2**

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NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP
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3					
4					
5					
6					

EDR JOB#: **24124**
DATE: **02/2026**
SCALE: **AS SHOWN**
DRAWN BY: **PK**
CHECKED BY: **JGD**
DRAWING NUMBER: **E-103**



INTERMEDIATE PUMP STATION POWER PLAN @ EL 816.00
SCALE: 1/4" = 1'-0"



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CLIENT / SUBCONSULTANT:



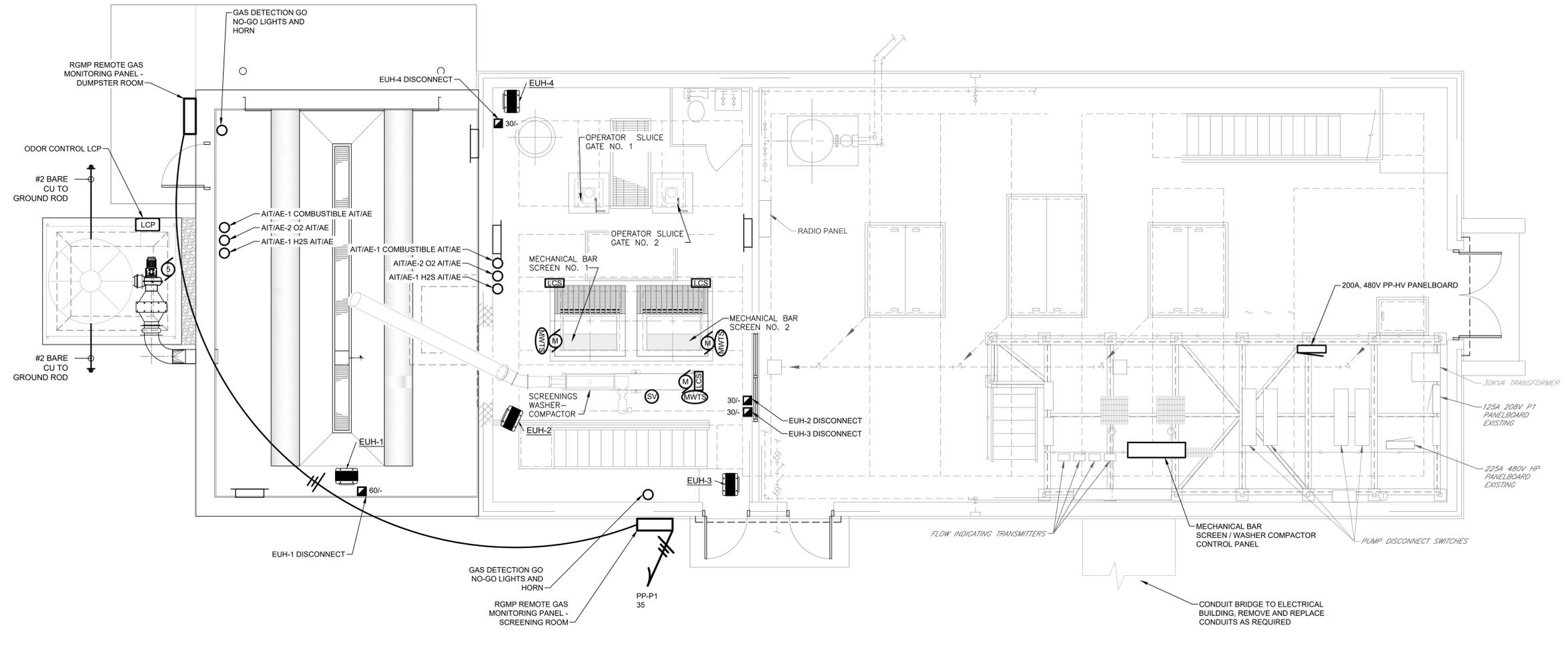
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION INTERMEDIATE POWER PLAN**

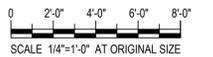
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3						CHECKED BY: JGD
4						DRAWING NUMBER:
5						E-105
6						

EDR JOB#: **24124**
DATE: **02/2026**
SCALE: **AS SHOWN**
DRAWN BY: **KAD**
CHECKED BY: **JGD**
DRAWING NUMBER: **E-105**



PUMP STATION UPPER LEVEL PLAN @ EL 836.00
SCALE: 1/4" = 1'-0"



ORIGINAL DRAWING SIZE: ARCH D (24" X 36")
 1/24/24 Binghamton Terminal Pump Station/Working Drawing/12_Electrical/106_UPPER LEVEL POWER PLAN.dwg

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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **PUMP STATION UPPER LEVEL PLAN**

CONTRACT NO. **2**

DRAWINGS ISSUED FOR / REVISIONS			
NO.	DATE	ISSUED FOR / REVISION	
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EDR JOB#: **24124**

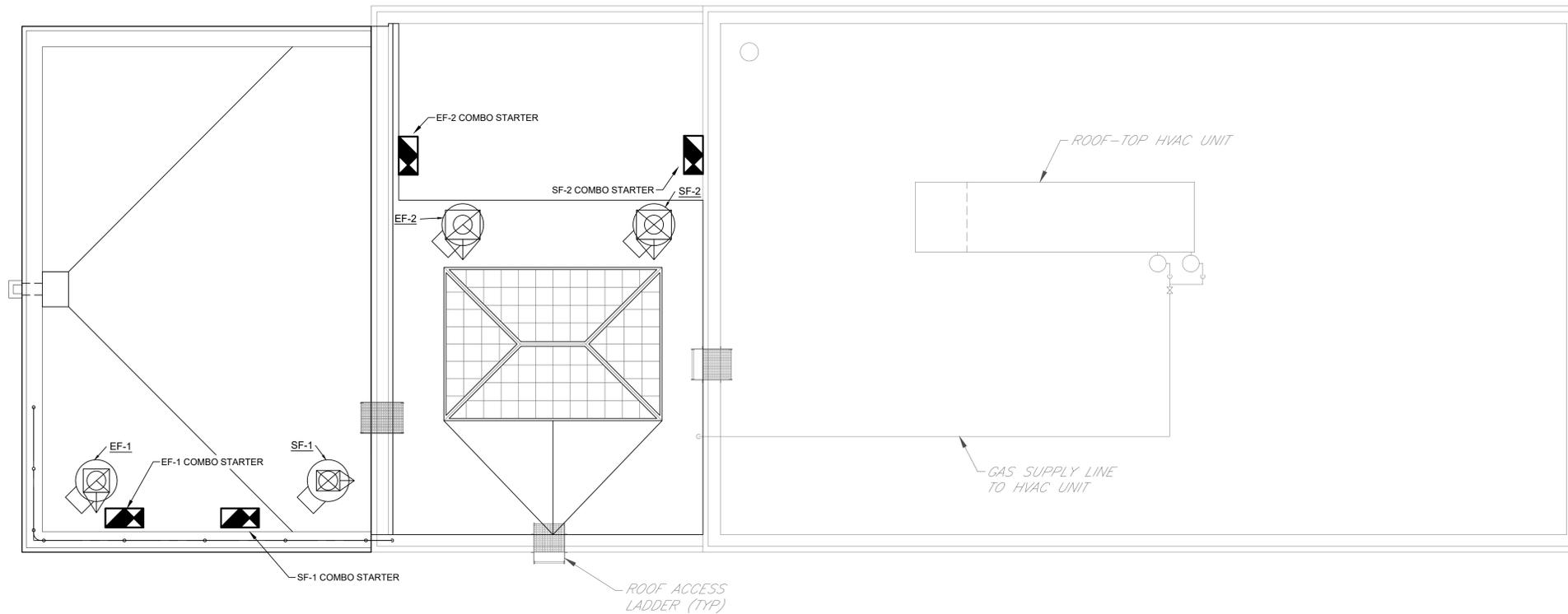
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SCALE: **AS SHOWN**

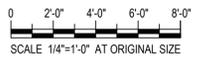
DRAWN BY: **PK**

CHECKED BY: **JGD**

DRAWING NUMBER: **E-106**



ROOF POWER PLAN
SCALE: 1/4" = 1'-0"



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CLIENT / SUBCONSULTANT:



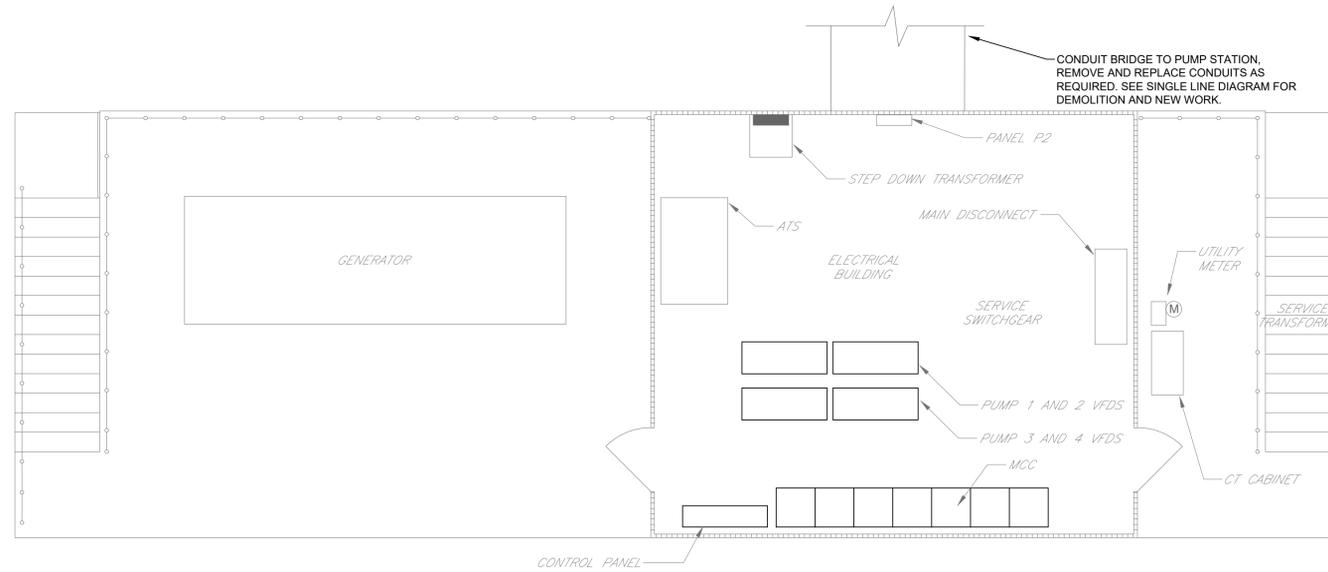
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: **BINGHAMTON, NY**
 CLIENT: **CITY OF BINGHAMTON, NEW YORK**
 DRAWING TITLE: **PUMP STATION ROOF POWER PLAN**

CONTRACT NO. **2**

DRAWINGS ISSUED FOR / REVISIONS					
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1	02/2026	FOR BID	MIL	ASD	MET
2					
3					
4					
5					
6					

EDR JOB#: **24124**
 DATE: **02/2026**
 SCALE: **AS SHOWN**
 DRAWN BY: **PK**
 CHECKED BY: **JGD**
 DRAWING NUMBER: **E-107**



- NOTES
- SEE SINGLE LINE DIAGRAM FOR WORK IN MCC

ELECTRICAL BUILDING FLOOR PLAN

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

Date Printed: 1/20/2026 10:46:27 AM
 J:\24124 Binghamton Terminal Pump Station\CD\Drawings\Drawings\13_Electrical\GD Floor Plan - 108 ELEC LODS.rvt.dwg

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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

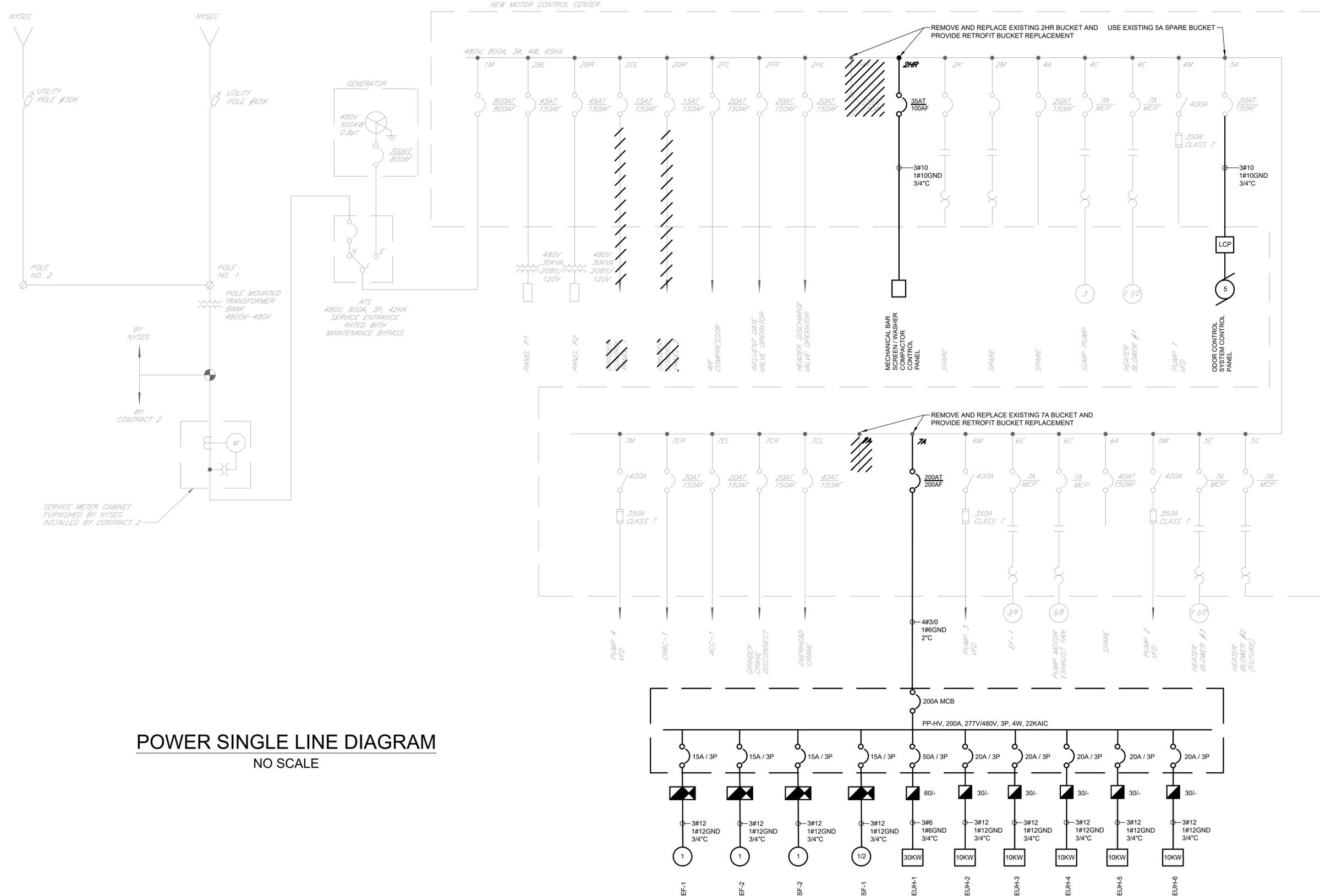
CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **ELECTRICAL BUILDING FLOOR PLAN**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB#: 24124		
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE: 02/2026
1	02/2026	FOR BID	MIL	ASD	MET	SCALE: AS SHOWN
2						DRAWN BY: PK
3						CHECKED BY: JGD
4						DRAWING NUMBER:
5						E-108
6						

CONTRACT NO.
2

Date Printed: 1/20/2026 10:58:49 AM
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 ORIGINAL DRAWING DATE: 02/02/2026
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POWER SINGLE LINE DIAGRAM
NO SCALE



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

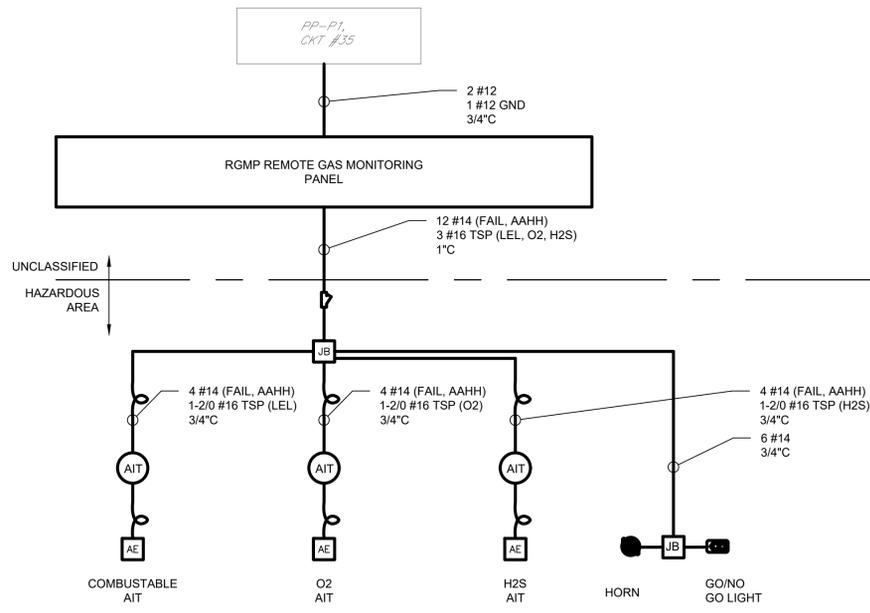
DRAWING TITLE: **PUMP STATION POWER SINGLE LINE DIAGRAM**

DRAWINGS ISSUED FOR / REVISIONS			BY	CHK	APP	DATE
NO.	DATE	ISSUED FOR / REVISION				02/2026
1	02/2026	FOR BID	MIL	ASD	MET	SCALE: AS SHOWN
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3						CHECKED BY: JGD
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CONTRACT NO.
2

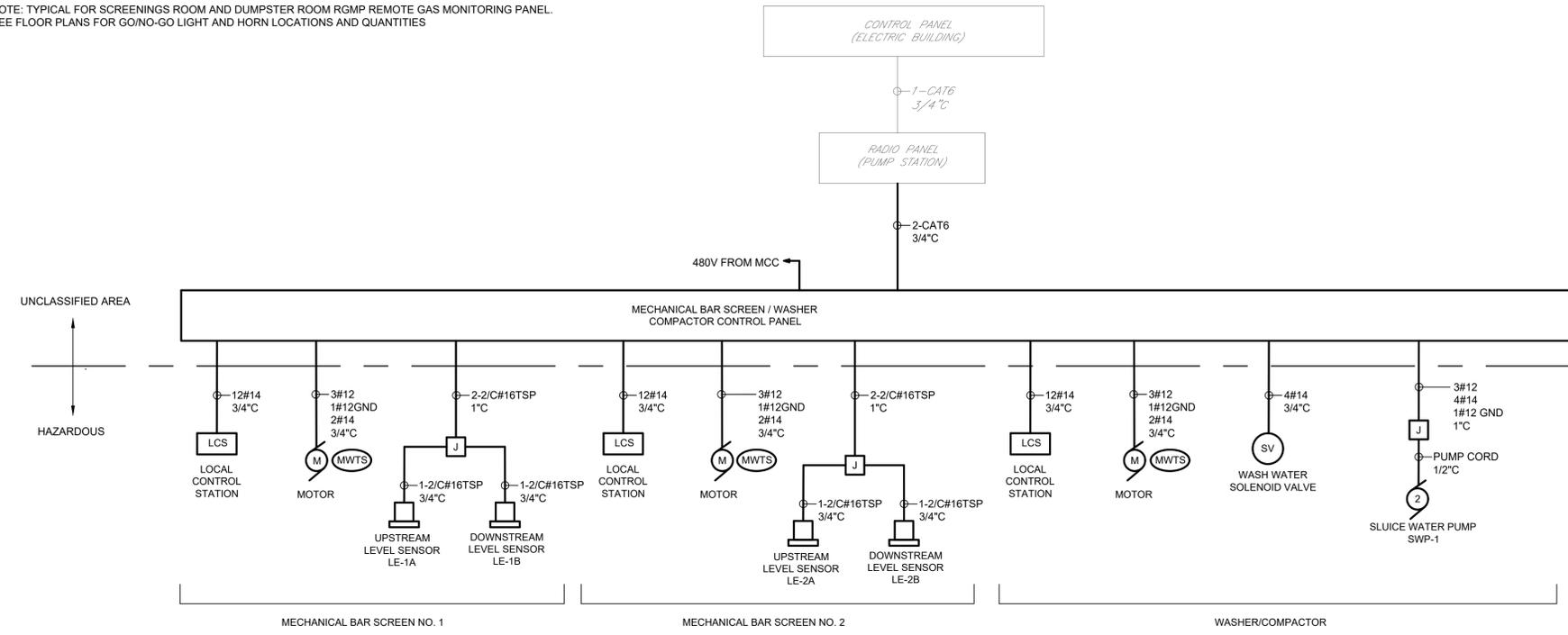
EDR JOB#: **24124**

Date Printed: 1/20/2026 10:58:09 AM
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 2/21/24 Binghamton Terminal Pump Station\Controls\Controls Diagram\13_Terminal_GAS Controls.rvt



GAS MONITORING CONTROL SCHEMATIC DIAGRAM
N.T.S.

NOTE: TYPICAL FOR SCREENINGS ROOM AND DUMPSTER ROOM RGMP REMOTE GAS MONITORING PANEL. SEE FLOOR PLANS FOR GO/NO-GO LIGHT AND HORN LOCATIONS AND QUANTITIES



CONTROLS SINGLE LINE DIAGRAM
NO SCALE

PANELBOARD PP-HV SCHEDULE									
MAIN BUS RATINGS: 200A, 277/480 VOLTS, 3Ø, 4 WIRE					FED FROM: MCC				
SHORT CIRCUIT INTERRUPTION RATING: 22KAIC					INCOMING FEED: 4#3/0 1#6 GND				
MAIN BREAKER TRIP: 200A					ENCLOSURE: NEMA 12				
ESTIMATED CONNECTED LOAD: 83 KW									
DESCRIPTION	LOAD KW	CB TRIP/POLE	CIR. NO	A B C	CIR. NO	CB TRIP/POLE	LOAD KW	DESCRIPTION	
EF-1	.38	15A/3P	1	2	2	50A/3P	30	EUH-1	
EF-2	.75	15A/3P	3	4	6	20A/3P	10	EUH-2	
SF-2	.75	15A/3P	7	8	12	20A/3P	10	EUH-3	
SF-1	.38	15A/3P	11	12	18	20A/3P	10	EUH-4	
SPARE	-	15A/3P	19	20	28	20A/3P	10	EUH-5	
SPACE	-	-	21	22	30	20A/3P	10	EUH-6	
SPACE	-	-	23	24	36	-	-	SPARE	
SPACE	-	-	25	26	38	-	-	SPARE	
SPACE	-	-	27	28	40	30A/3P	-	SPARE	
SPACE	-	-	29	30	42	-	-	SPARE	
SPACE	-	-	31	32	-	-	-	SPARE	
SPACE	-	-	33	34	-	-	-	SPARE	
SPACE	-	-	35	36	-	-	-	SPARE	
SPACE	-	-	37	38	-	-	-	SPARE	
SPACE	-	-	39	40	-	-	-	SPARE	
SPACE	-	-	41	42	-	-	-	SPARE	

CONTRACTOR SHALL FURNISH AND INSTALL A FULLY RATED 480/277 VOLT, 200 AMP, 3 PHASE PANEL WITH A VERTICAL 200 AMP MAIN CIRCUIT BREAKER (LSI) WITH A 22KAIC RATING, 42 CIRCUIT FULLY RATED POWER PANEL INTERIOR WITH BOLT-ON CIRCUIT BREAKERS

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CLIENT / SUBCONSULTANT:

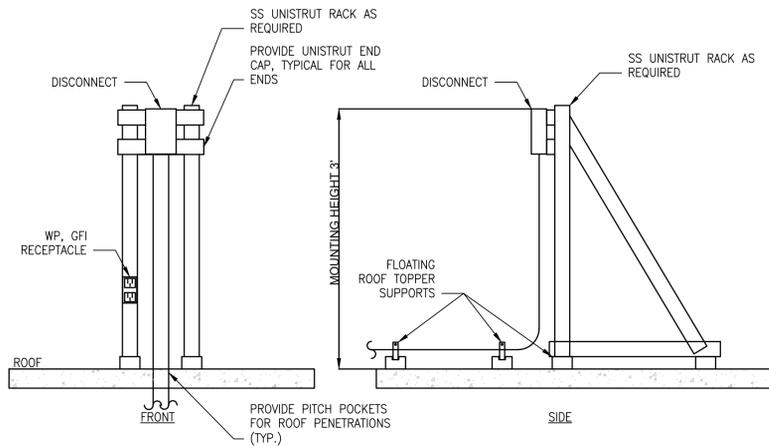


PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
 PROJECT LOCATION: BINGHAMTON, NY
 CLIENT: CITY OF BINGHAMTON, NEW YORK
 DRAWING TITLE: **PUMP STATION CONTROLS DIAGRAM, SCHEDULE**

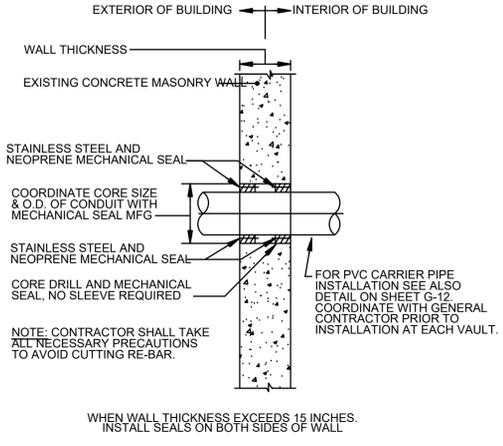
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2						DRAWN BY: PK
3						CHECKED BY: JGD
4						DRAWING NUMBER:
5						E-110
6						

CONTRACT NO. **2**

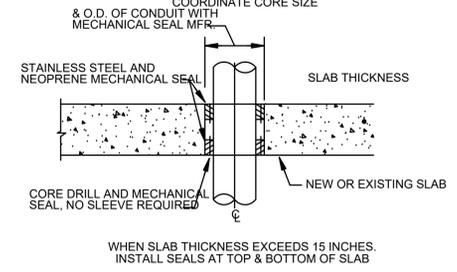
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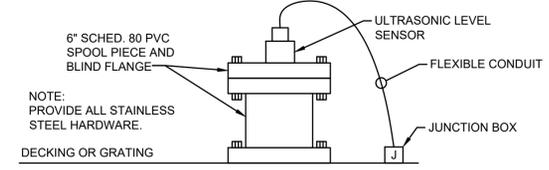
TYPICAL ROOFTOP MOUNTING DETAIL
NO SCALE



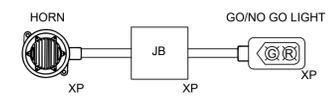
CONDUIT PENETRATION THRU CONCRETE WALL
NO SCALE



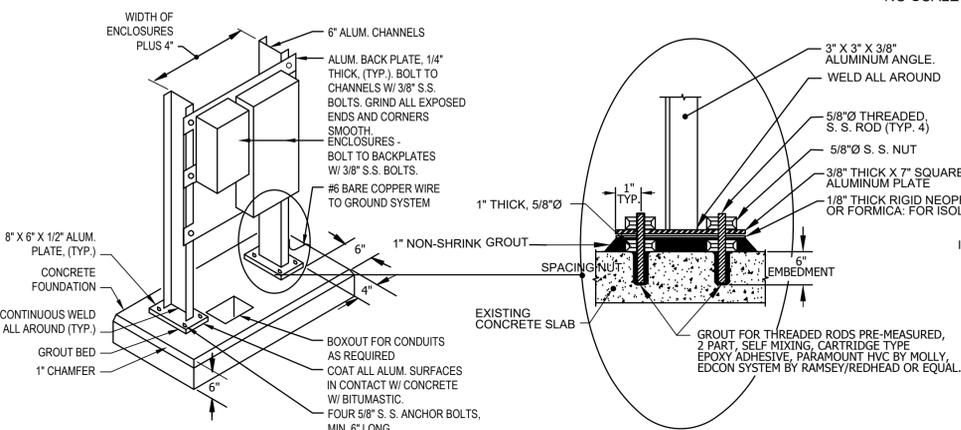
CONDUIT PENETRATION THRU CONCRETE SLAB
NO SCALE



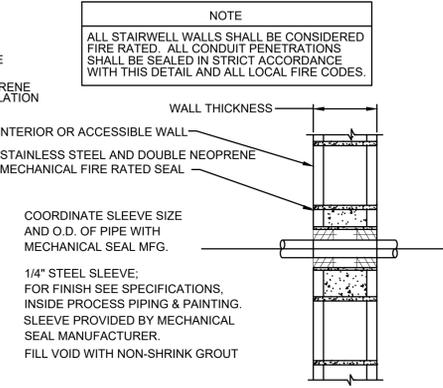
TYPICAL LEVEL SENSOR DETAIL
NO SCALE



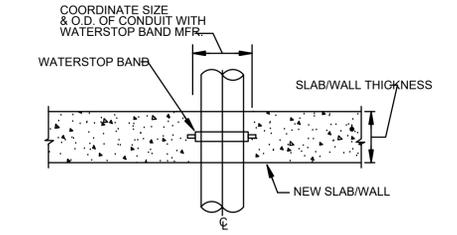
WET WELL WALL MOUNTED GO/NO GO ALARM DETAIL
NO SCALE



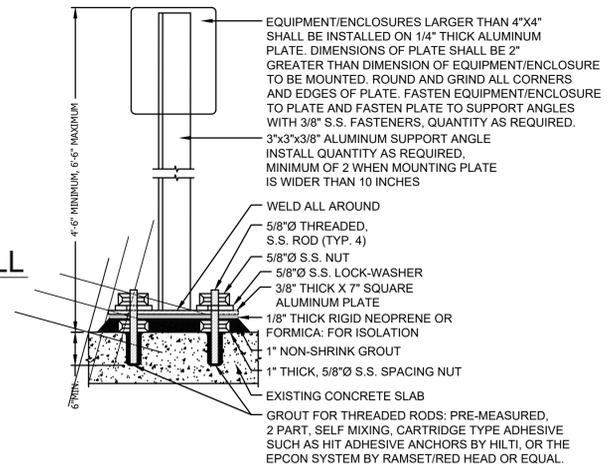
TYPICAL FREE STANDING EQUIPMENT MOUNTING PANELS
NO SCALE



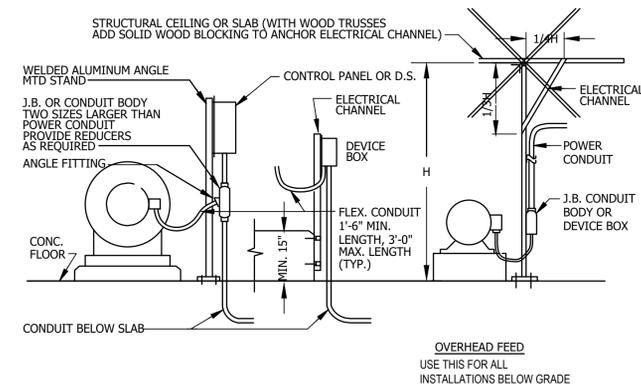
CONDUIT PENETRATION THROUGH FIRE RATED BLOCK WALL
NO SCALE



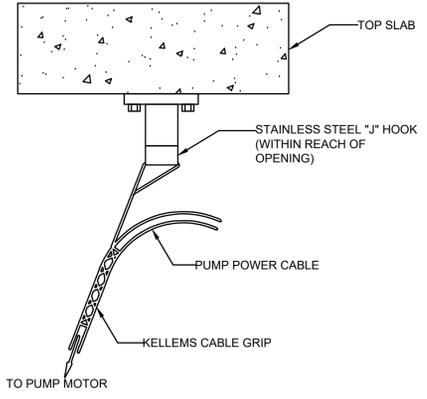
CONDUIT PENETRATION THRU NEW CONCRETE WALL/SLAB
NO SCALE



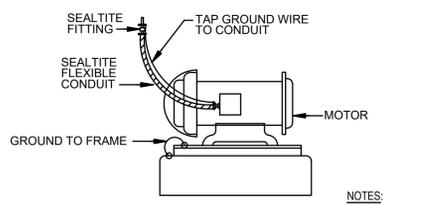
TYPICAL MOUNTING STAND DETAIL
NO SCALE (SCALE EXAGGERATED FOR CLARITY)



TYPICAL ELECTRICAL FEED
NO SCALE



CABLE SUPPORT DETAIL
NO SCALE



GROUNDING ELECTRIC MOTOR
NO SCALE

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CLIENT / SUBCONSULTANT:



PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION ELECTRICAL DETAILS**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB#: 24124		
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE: 02/2026
1	02/2026	FOR BID	MIL	ASD	MET	SCALE: AS SHOWN
2						DRAWN BY: PK
3						CHECKED BY: JGD
4						DRAWING NUMBER:
5						E-111
6						

CONTRACT NO. **2**

GENERAL NOTES

- AT A MINIMUM, ALL WORK SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH THE SUPPLEMENTAL UNIFORM AND FIRE PREVENTION BUILDING CODE, NYS BUILDING CODE, NYS MECHANICAL CODE, 2020 NYS ENERGY CODE, AND ALL CODES LOCAL OR OTHERWISE HAVING JURISDICTION OVER THE WORK. IF THE CONTRACT DOCUMENT SHOW DIFFERENT THAN THE CODE, THE MORE STRINGENT SHALL APPLY.
- ALL WORK SHOWN ON THE DRAWINGS SHALL BE PROVIDED UNLESS OTHERWISE NOTED.
- DUCTWORK & PIPING IS DIAGRAMMATICALLY SHOWN. EXACT ROUTING OF NEW PIPING & DUCTWORK SHALL BE DETERMINED IN FIELD WITH THE APPROVAL OF THE ENGINEER.
- THE WORDS PROVIDE OR INSTALL, SINGLY OR IN COMBINATION SHALL MEAN FURNISH AND INSTALL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- EXISTING CONDITION HAVE BEEN GENERATED FROM AVAILABLE AS-BUILT DRAWINGS. CONTRACTOR SHALL VERIFY AS-BUILT CONDITIONS IN FIELD AND DEVIATIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PERFORMING THE WORK.
- THE CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING TO MATCH EXISTING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS WORK AND NEWLY INSTALLED WORK, INCLUDING PROTECTION OF BUILDING OCCUPANTS AND OWNERS EQUIPMENT, PUBLIC, AND PERSONNEL. PROVIDE APPROPRIATE SIGNAGE, BARRIERS, AND SAFETY GUARD RAILS AS REQUIRED.
- WHERE WELDING OR OPEN FLAME IS USED FOR CUTTING, SOLDERING, ETC., CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS AND A FIRE WATCH IN PROXIMITY OF WORK AREA.
- ALL WORK SHALL BE COORDINATED WITH ALL TRADES RELATED TO THE COMPLETION OF THIS PROJECT.
- THE CONTRACTOR SHALL FILE PLANS WITH THE GOVERNING AUTHORITIES HAVING JURISDICTION AND SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE INSTALLATION OF HIS WORK.
- THE CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORK INSTALLED TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, AFTER ACCEPTANCE OF THE INSTALLATION BY THE ENGINEER AND OWNER. THE CONTRACTOR SHALL SUBMIT IN WRITING TO OWNER STATING THE SAME. EQUIPMENT WARRANTEES OF A LONGER DURATION SHALL APPLY.
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, HIS REPRESENTATIVES AND THE ENGINEER FROM ANY CLAIMS OR SUITS RESULTING IN NEGLIGENCE ON THE PART OF THE CONTRACTOR AND FOR FAILING TO EXECUTE HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROVIDE ALL RIGGING, HOISTING AND SCAFFOLDING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
- ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AND WORKMEN EXPERIENCED IN THE TRADE HAVING JURISDICTION. ALL WORK SHALL BE SUPERVISED AT ALL TIMES AND WORKMANSHIP SHALL BE FIRST CLASS IN ALL RESPECTS AND IN ACCORDANCE WITH BEST TRADE PRACTICES.
- ANY DEVIATION OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND SIGNED BY THE OWNER. ANY WORK INSTALLED WITHOUT PRIOR APPROVAL OF THE ENGINEER AND OWNER OR FOUND TO BE DEFECTIVE IN ANY WAY SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ALL CONSTRUCTION WORK SHALL BE CONFINED TO THE AREA INDICATED ON PLANS AND SHALL NOT BLOCK MEANS OF EGRESS FOR OCCUPANTS OF THE BUILDING.
- ALL WORK SHALL BE PERFORMED DURING NORMAL WORKING HOURS: 8AM TO 5PM MONDAY THROUGH FRIDAY EXCEPT LEGAL HOLIDAYS OR FOR EMERGENCY REPAIRS, UNLESS DIRECTED OTHERWISE BY THE OWNER. WORKING HOURS MUST BE COORDINATED WITH GENERAL CONTRACTOR. HOWEVER, THE CONTRACTOR MAY WORK EXTRA HOURS AS NEEDED TO COMPLETE THE CONTRACT SCOPE OF WORK AND MEET THE COMPLETION DATE AT NO ADDITIONAL COST TO OWNER, AS LONG AS OWNER HAS BEEN PROPERLY NOTIFIED AND HAS APPROVED SAME.
- ROUGH PATCHING OF WALLS, FLOORS, ETC. SHALL BE BY TRADE WHO PERFORMED WORK UNLESS OTHERWISE NOTED AND SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. WORK AREA SHALL BE LEFT BROOM CLEAN AT THE END OF EACH DAY. ALL DISCARDED AND DEMOLISHED MATERIAL AND RUBBISH SHALL BE REMOVED FROM PREMISES DAILY IN A LEGAL AND APPROVED MANNER. FINAL PATCHING AND PAINTING SHALL BE PERFORMED BY GENERAL CONTRACTOR
- LIMIT THE SPREAD OF DUST WHEN CUTTING BY INSTALLING POLYETHYLENE BARRIERS OR TARPULAINS AND EXHAUST TO CONTAIN AIRBORNE MATERIALS.
- THE CONTRACTOR SHALL SUBMIT DIGITAL COPIES OF SHOP DRAWINGS OF ALL EQUIPMENT, PIPING, DUCTWORK, AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION OF NEW WORK, WITHIN TWO WEEKS AFTER AWARD OF CONTRACT. SHOP DRAWINGS SHALL INDICATE ALL TECHNICAL DATA, STRUCTURAL MEMBERS, WALLS, FLOORS, DUCTWORK, ETC., WITH ELEVATIONS AT WHICH NEW WORK IS TO BE INSTALLED. ANY DEVIATION IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND OWNER. THE ENGINEER SHALL REVIEW AND TURN AROUND SHOP DWGS. WITHIN (7) DAYS OF RECEIPT OF SAME.
- THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF CONTRACT DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF SHOP DRAWINGS IN WHICH ANY DEVIATIONS FROM THE ORIGINAL DESIGN SHALL BE NOTED. UPON COMPLETION OF THE INSTALLATION OF NEW WORK THE CONTRACTOR SHALL TURN OVER TO THE OWNER AND ENGINEER (1) SET OF AS-BUILT REPRODUCIBLE DRAWINGS AND (1) SET OF PRINTS INCLUDING ALL APPROVED FIELD CHANGES AND DESIGN DEVIATIONS PRIOR TO RECEIPT OF FINAL PAYMENT BY OWNER.
- ALL PENETRATIONS THROUGH PARTITIONS, FLOORS, WALLS AND ROOF FOR ALL PIPING, CONDUIT AND DUCTWORK SHALL BE SEALED AND FIRE SAFED OFF TO MAINTAIN FIRE INTEGRITY OF EXISTING STRUCTURE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AS WELL AS BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ADEQUATE PRECAUTIONS AND SHALL PROVIDE REASONABLE PROTECTION TO PREVENT INJURY OR DAMAGE TO PERSONS, THE WORK, AND OTHER PROPERTY.

HVAC NOTES

- PROVIDE ACCESSIBLE VOLUME DAMPERS AS INDICATED ON DRAWINGS AND AT ALL BRANCH DUCT TAKE OFFS FROM DUCT MAINS AND TO DIFFUSERS, REGISTERS AND GRILLES. VOLUME DAMPERS SHALL BE OPPOSED BLADE OR BUTTERFLY TYPE, GALVANIZED STEEL THAT CAN BE MANUALLY ADJUSTED AND LOCKED IN PLACE EXTERNALLY OF THE DUCT. PROVIDE LOCKING QUADRANT. ALL CONCEALED DAMPERS SHALL BE PROVIDED WITH ACCESS DOORS.
- PROVIDE SLEEVES FOR ALL DUCTS PENETRATING AND PASSING THROUGH ALL PARTITIONS, FLOORS, CEILINGS AND WALLS. ALLOW ROOM IN SLEEVE FOR INSULATION. SLEEVES SHALL BE MINIMUM OF 22 GAUGE SHEET METAL. PACK ANNULAR SPACE IN SLEEVE AROUND DUCT WITH FIRE RATED MATERIAL, SIMILAR TO THERMAFIBER. SEAL AND CAULK ALL WALL, FLOOR, CEILING AND SLAB OPENINGS WITH U.L. APPROVED FIRE RATED MATERIAL TO PREVENT TRANSMISSION OF ODORS AND SMOKE TO ADJACENT SPACES. ALL DUCT PENETRATIONS OF FIRE RATED WALLS AND SLABS SHALL BE EQUIPPED WITH FIRE/SMOKE RATED DAMPERS
- CONTRACTOR SHALL PROVIDE ACCESS DOORS IN ALL CEILINGS, DUCTS, CHASES AND WALLS AS REQUIRED FOR ACCESS TO ALL CONCEALED OPERATING DEVICES INCLUDING BUT NOT LIMITED TO FIRE DAMPERS, VOLUME DAMPERS, CONTROL DAMPERS AND BOXES, ETC.
- PROVIDE FIRE DAMPERS IN DUCTS PENETRATING ALL FIRE RATED WALLS. FIRE DAMPERS SHALL BE U.L. 555 CONSTRUCTED CURTAIN TYPE MINIMUM 1 1/2 HR RATED, SUITABLE FOR HORIZONTAL OR VERTICAL MOUNTING. PROVIDE BREAKAWAY DUCT FITTINGS AT ALL FIRE-DAMPER LOCATIONS. COORDINATE WITH GENERAL CONTRACTOR FOR WALL CLASSIFICATIONS.
- ALL HVAC WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE NYS MECHANICAL CODE, STATE AND LOCAL BUILDING CODES, SMACNA AND ASHRAE STANDARDS, NFPA-90A, ALL CODES AND ORDINANCES HAVING JURISDICTION, AND IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AT A MINIMUM.
- UPON COMPLETION OF ALL WORK, ALL EQUIPMENT AND DUCTWORK SHALL BE THOROUGHLY CLEANED AND LEFT IN FIRST CLASS CONDITION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EQUIPMENT UNDER THIS SECTION UNTIL FINAL ACCEPTANCE BY THE ENGINEER.
- ALL EQUIPMENT SHALL BE TESTED IN ACCORDANCE WITH ALL APPLICABLE CODES, MANUFACTURER SPECIFICATIONS, AND TO THE SATISFACTION OF THE ENGINEER.
- BALANCE AND ADJUST AIRFLOW TO REGISTERS AND GRILLES AS INDICATED ON DRAWINGS. ALL SYSTEMS SHALL BE BALANCED TO WITHIN 10% OF DESIGN FLOW WITH REPORT SUBMITTED TO OWNER. BALANCING WORK SHALL BE PERFORMED BY AN INDEPENDENT CERTIFIED BALANCING CONTRACTOR WHO IS CERTIFIED BY AABC OR NEBB. SUBMIT BALANCING REPORT TO ENGINEER FOR APPROVAL.
- INSTALL ALL REQUIRED APPURTENANCES PER CODE WHETHER SPECIFIED OR NOT FOR COMPLETE FUNCTIONING SYSTEMS.

LEGEND

SYMBOL	DESCRIPTION
---	EXISTING WORK OR BY OTHERS
---	WORK TO BE PROVIDED
////	WORK TO BE REMOVED
⊙	POINT OF CONNECTION
⊖	POINT OF DISCONNECTION
○	RISER
⊔	ELBOW DOWN
— — —	UNION
⊠	EXHAUST DUCT
⊡	RETURN DUCT
⊞	SUPPLY DUCT
⊞	DUCT ELBOW WITH TURNING VANES
⊞	AIR TERMINAL
⊙	THERMOSTAT
OA	OUTSIDE AIR
RA	RETURN AIR
EAT	ENTERING AIR TEMPERATURE
LAT	LEAVING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
SG-1	EXHAUST AIR GRILLE
EG-1	SUPPLY AIR GRILLE
SF-1	DENOTES SUPPLY FAN NO.1
EF-1	DENOTES EXHAUST FAN NO.1
EUH-1	DENOTES ELECTRIC UNIT HEATER 1
L-1	DENOTES LOUVER NO.1

NOTE: ALL WORK TO BE PROVIDED UNLESS OTHERWISE NOTED

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CLIENT / SUBCONSULTANT:



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217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

PROJECT TITLE:

TERMINAL PUMPING STATION UPGRADE

PROJECT LOCATION: BINGHAMTON, NY

CLIENT: CITY OF BINGHAMTON, NEW YORK

DRAWING TITLE: **PUMP STATION LEGENDS AND NOTES**

DRAWINGS ISSUED FOR / REVISIONS

NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						
3						
4						
5						
6						

EDR JOB#: 24124

SCALE: AS SHOWN

DRAWN BY: R.GARCIA

CHECKED BY: J.ROSS

DRAWING NUMBER:

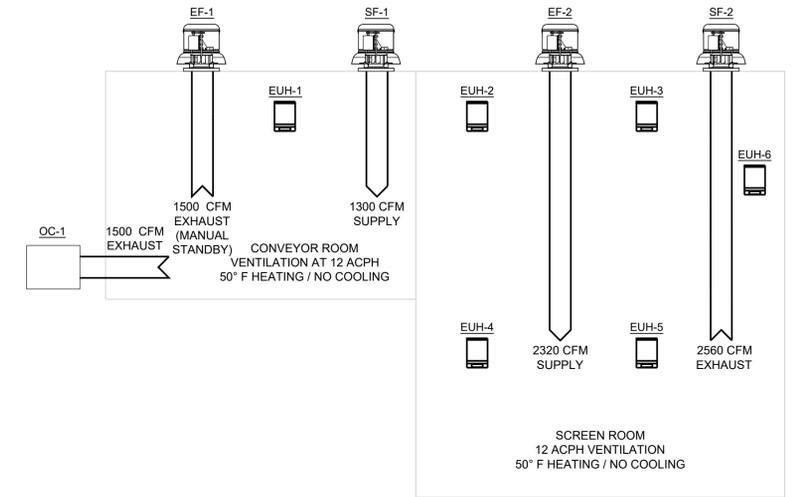
H-001

CONTRACT NO. **3**

FAN SCHEDULE

UNIT NO.	SERVICE	CFM	SP ("WG)	RPM	MOTORS			POINTS FROM PEAK EFFICIENCY	TYPE	MFR. & MODEL NO.	REMARKS
					BHP	HP	V/PH/Hz				
EF-1	CONVEYOR ROOM	1500	0.5	927	0.225	.5	460/3/60	0%	MIXED-FLOW UPBLAST BLOWER	COOK 150QMXE	
SF-1	CONVEYOR ROOM	1300	0.5	1080	0.1	.5	460/3/60	1%	MIXED FLOW ROOF MOUNTED SUPPLY BLOWER	COOK 135QMXS	
EF-2	SCREEN ROOM	2,560	0.5	836	0.393	1	460/3/60	1%	MIXED-FLOW UPBLAST BLOWER	COOK 180QMXE	
SF-2	SCREEN ROOM	2,320	0.5	935	0.348	1	460/3/60	1%	MIXED FLOW ROOF MOUNTED SUPPLY BLOWER	COOK 180QMXS	

- NOTES:
- FAN TO BE FABRICATED IN ACCORDANCE WITH AMCA TYPE A OR TYPE B SPARK-RESISTANT CONSTRUCTION.
 - FAN MOTORS TO HAVE TOTAL EFFICIENCY WITHIN 15 PERCENTAGE POINTS OF MAXIMUM EFFICIENCY AS PER NYS ECC
 - FANS TO HAVE ALL ALUMINUM CONSTRUCTION



SCREEN & CONVEYOR ROOM AIR FLOW DIAGRAM

NO SCALE

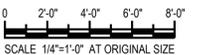
ELECTRIC UNIT HEATER SCHEDULE

UNIT NO.	SERVICE	CAPACITY (KW)	SETPPOINT TEMPERATURE	FAN SECTION				ELECTRICAL DATA	MFR. & MODEL NO.	REMARKS
				MOTOR HP	CFM	RPM	HORIZ. AIR THROW (FT)			
EUH-1	CONVEYOR ROOM	30	50	½	3850	1725	75	480/3/60	Q-MARK GUX-233-FC-0306U	1, 2, 3, 4, 5
EUH-2,3,4,5,6	SCREEN ROOM	10	50	¼	850	1725	25	480/3/60	Q-MARK GUX-233-FA-0106U	1, 2, 3, 4, 5

- NOTES:
- FURNISH WITH LOCKED T-STAT
 - FURNISH WITH FACTORY MTD DISCONNECT SWITCH
 - FURNISH WITH UNIVERSAL WALL/CEILING BKT
 - FURNISH WITH BUILT IN TRANSFORMER AND POWER CONTACTOR
 - FURNISH WITH EPOXY COATING

AIR TERMINALS

UNIT NO.	NO.	LOCATION	CFM (MAX/MIN)	SP ("WG)	DIMENSIONS LxW (INCHES)	BLADE SPACING (INCHES)	MATERIAL	NC	THROW (FEET)	MFR. & MODEL NO.	REMARKS
EG-1	6	CONVEYOR ROOM	600	.051	16X16	3/4"	STAINLESS STEEL	-	-	TITUS 350RL-SS	-
SG-1	3	CONVEYOR ROOM	440	.022	14X14	3/4"	STAINLESS STEEL	13	25-35-50	TITUS 271RL-SS	-
EG-2	4	SCREEN ROOM	640	.051	18X18	3/4"	STAINLESS STEEL	14	-	TITUS 350RL-SS	-
SG-2	4	SCREEN ROOM	580	.022	16X16	3/4"	STAINLESS STEEL	19	29-41-57	TITUS 271RL-SS	-



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CLIENT / SUBCONSULTANT:

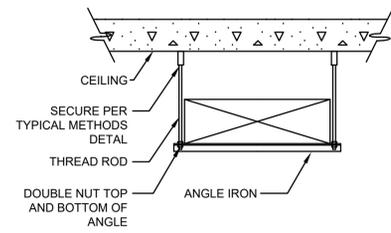


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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION HVAC SCHEDULES**

DRAWINGS ISSUED FOR / REVISIONS						EDR JOB# 24124	
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE: 02/2026	
1	02/2026	FOR BID	MIL	ASD	MET	SCALE: AS SHOWN	
2						DRAWN BY: R.GARCIA	
3						CHECKED BY: J.ROSS	
4						DRAWING NUMBER:	
5						H-002	
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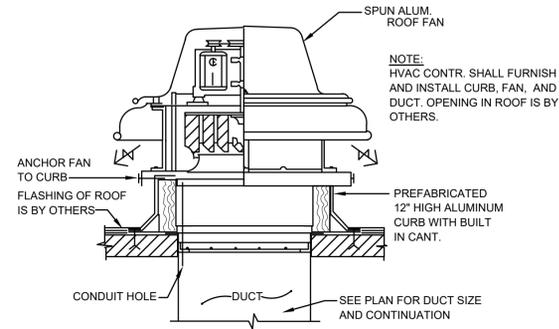
CONTRACT NO. **3**



CONTRACTOR SHALL PROVIDE ADDITIONAL SUPPORTS AS NECESSARY

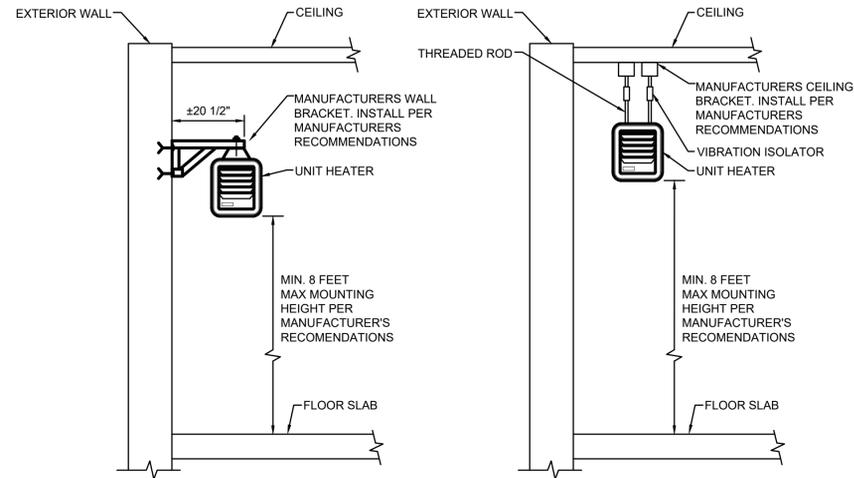
DUCT HANGER DETAIL

NO SCALE



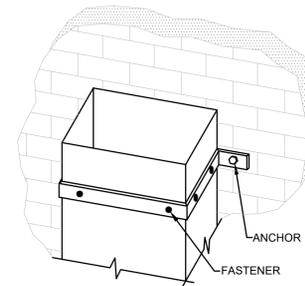
ROOF CURB DETAIL

NO SCALE



ELECTRIC UNIT HEATER SUPPORT DETAIL

NO SCALE



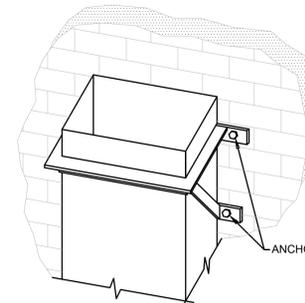
SUGGESTED SIZING

DUCT SIZE	BAND
18" x 12"	1-1/2" x 16 Ga.
24" x 20"	1" x 1/8"

ALLOWABLE LOAD

DUCT GAGE	ALLOWABLE LOAD PER FASTENER
28, 26	25 LBS
24, 22, 20	35 LBS
18, 16	50 LBS

NOTES:
 WELD, BOLT OR NO. 8 SCREW (MIN.) ACCEPTABLE AS FASTENERS
 MINIMUM OF 3 FASTENERS ON 24" WIDTH AND UP
 ADD ALONG SIDE NEAREST ANCHORS



SUGGESTED SIZING

DUCT SIZE	BAND
30" x 12"	1" x 1" x 1/8"
36" x 18"	1" x 1" x 1/8"
42" x 24"	1-1/4" x 1-1/4" x 1/8"
48" x 30"	1-1/4" x 1-1/4" x 1/8"

DUCT SUPPORTS FROM WALL

NO SCALE

NOTES:
 1. BRACKETS ARE SIZED FOR 12" OF DUCT, MAXIMUM.
 2. LOCATE CUTS AGAINST WALL OR MAXIMUM OF 2" AWAY FROM WALL.
 3. EACH WALL ANCHOR SHALL SATISFY THE FOLLOWING CRITERIA UNLESS OTHER ANALYSIS IS MADE:
 A. TENSILE LOAD= 3/8 x DUCT WEIGHT; SAFETY FACTOR OF 4.
 B. SHEAR LOAD= 1/2 x DUCT WEIGHT; SAFETY FACTOR OF 4.

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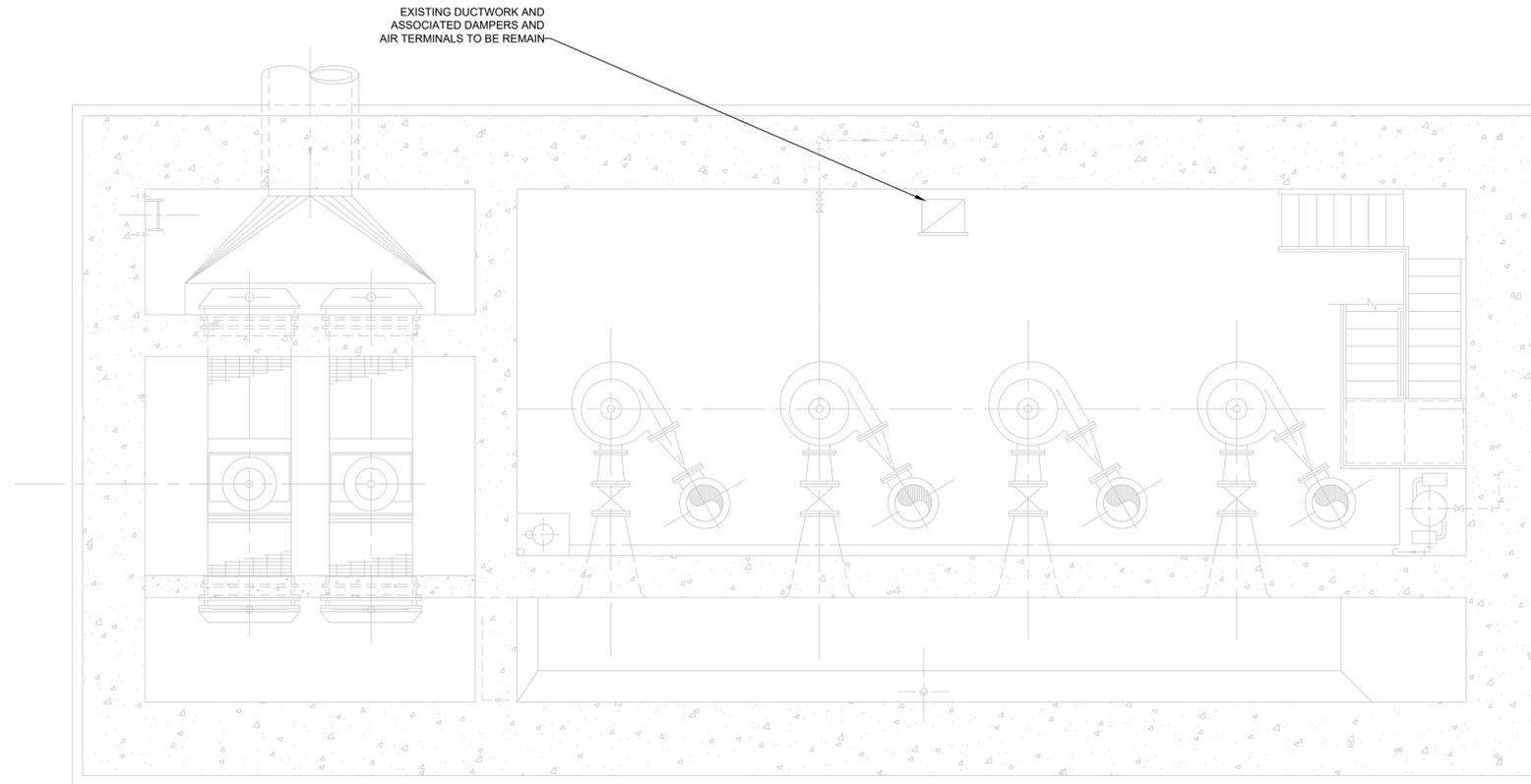


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PROJECT TITLE:	TERMINAL PUMPING STATION UPGRADE
PROJECT LOCATION:	BINGHAMTON, NY
CLIENT:	CITY OF BINGHAMTON, NEW YORK
DRAWING TITLE:	PUMP STATION HVAC DETAILS
CONTRACT NO.:	3

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124	
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP
1	02/2026	FOR BID	MIL	ASD	MET
2					
3					
4					
5					
6					

DATE: **02/2026**
 SCALE: **AS SHOWN**
 DRAWN BY: **R.GARCIA**
 CHECKED BY: **J.ROSS**
 DRAWING NUMBER: **H-003**



BASEMENT DEMOLITION PLAN @ EL 814.00
SCALE: 1/4" = 1'-0"



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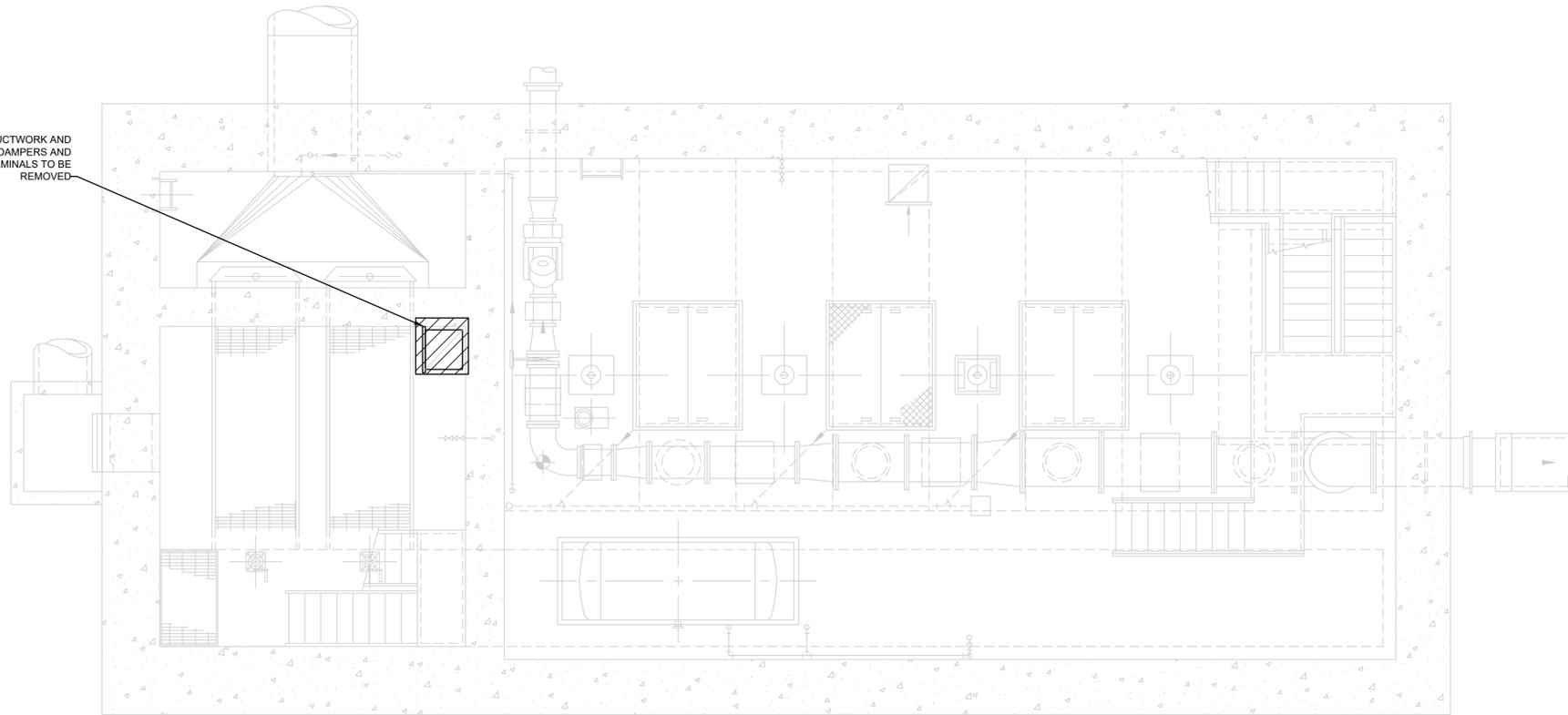
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION BASEMENT DEMOLITION PLAN**

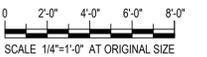
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NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
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2						SCALE: AS SHOWN
3						DRAWN BY: KPT
4						CHECKED BY: JSR
5						DRAWING NUMBER:
6						H-004

CONTRACT NO. **3**

EXISTING DUCTWORK AND ASSOCIATED DAMPERS AND AIR TERMINALS TO BE REMOVED



INTERMEDIATE DEMOLITION PLAN @ EL 816.00
SCALE: 1/4" = 1'-0"



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The following is paraphrased from the New York Education Law, Article 145, Section 7209, and Chapter II, Section 79-1.6, and applies to this drawing: "It is a violation of this law for any person unless he is acting under the direction of a licensed professional engineer, licensed landscape architect or licensed land surveyor to alter an item in any way, if an item bearing the seal of an engineer, landscape architect or land surveyor is altered, the altering engineer, landscape architect or land surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration and a specific description of the alteration."



CLIENT / SUBCONSULTANT:



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Syracuse, New York 13202
P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION INTERMEDIATE DEMOLITION PLAN**

CONTRACT NO. **3**

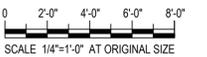
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EDR JOB#: **24124**
DATE: **02/2026**
SCALE: **AS SHOWN**
DRAWN BY: **KPT**
CHECKED BY: **JSR**
DRAWING NUMBER: **H-005**

EXISTING DUCTWORK AND ASSOCIATED DAMPERS AND AIR TERMINALS TO BE REMOVED



TOP PLAN DEMOLITION @ EL 836.00
SCALE: 1/4" = 1'-0"



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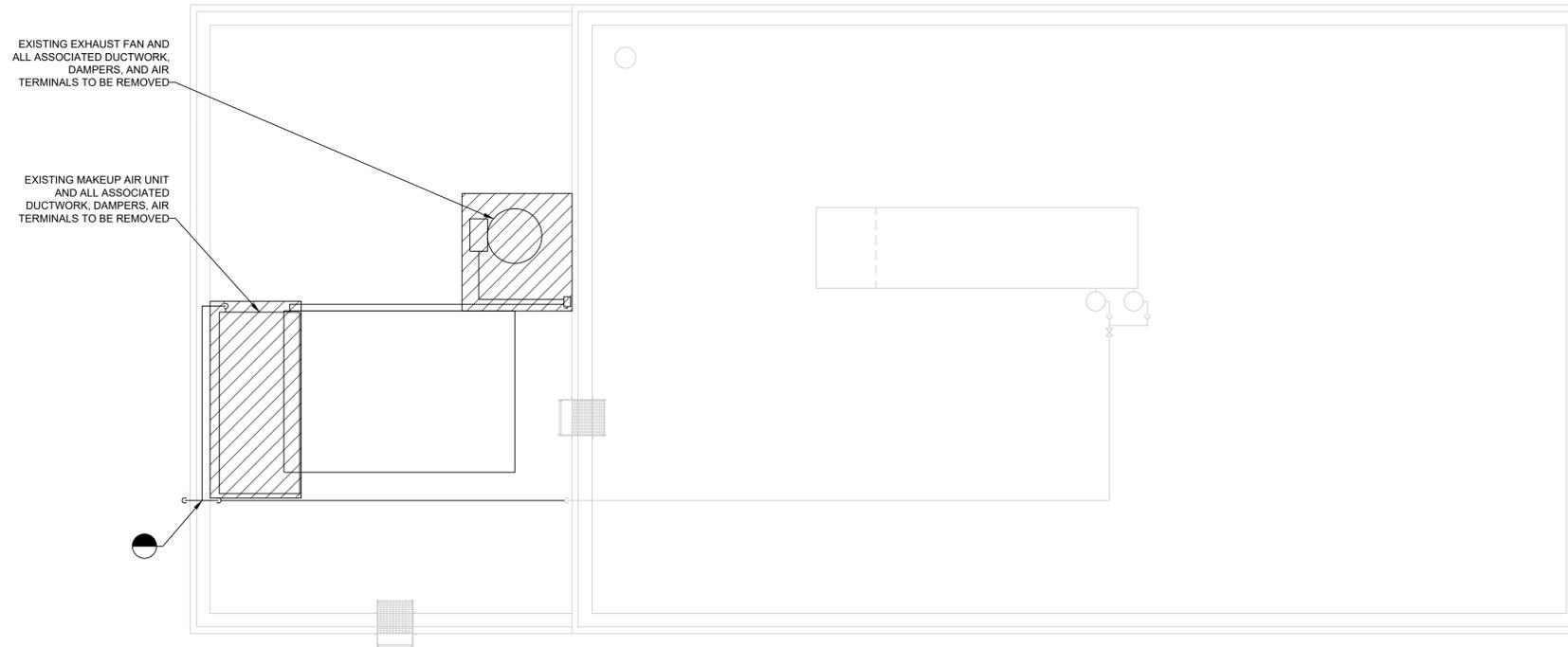
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PROJECT TITLE:	TERMINAL PUMPING STATION UPGRADE
PROJECT LOCATION:	BINGHAMTON, NY
CLIENT:	CITY OF BINGHAMTON, NEW YORK
DRAWING TITLE:	PUMP STATION TOP DEMOLITION PLAN

CONTRACT NO. 3	DRAWINGS ISSUED FOR / REVISIONS			EDR JOB# 24124		
	NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP
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	2					
	3					
	4					
DRAWN BY: KPT						DATE: 02/2026
CHECKED BY: JSR						SCALE: AS SHOWN
DRAWING NUMBER:						H-006



ROOF DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



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CLIENT / SUBCONSULTANT:

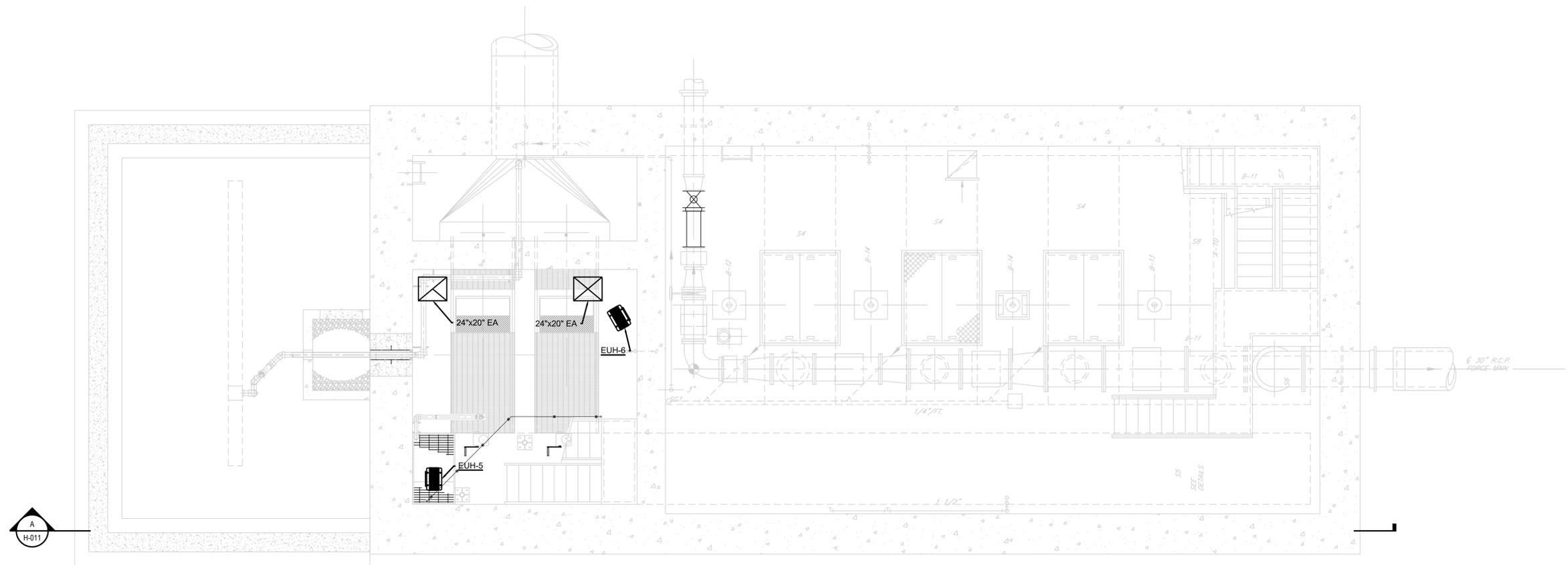


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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION ROOF DEMOLITION PLAN**

DRAWINGS ISSUED FOR / REVISIONS		BY	CHK	APP	EDR JOB#
NO	DATE	ISSUED FOR / REVISION	MIL	ASD	MET
1	02/2026	FOR BID			DATE: 02/2026
2					SCALE: AS SHOWN
3					DRAWN BY: KPT
4					CHECKED BY: JSR
5					DRAWING NUMBER:
6					H-007

CONTRACT NO. **3**



INTERMEDIATE PLAN @ EL 816.00
SCALE: 1/4" = 1'-0"



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CLIENT / SUBCONSULTANT:

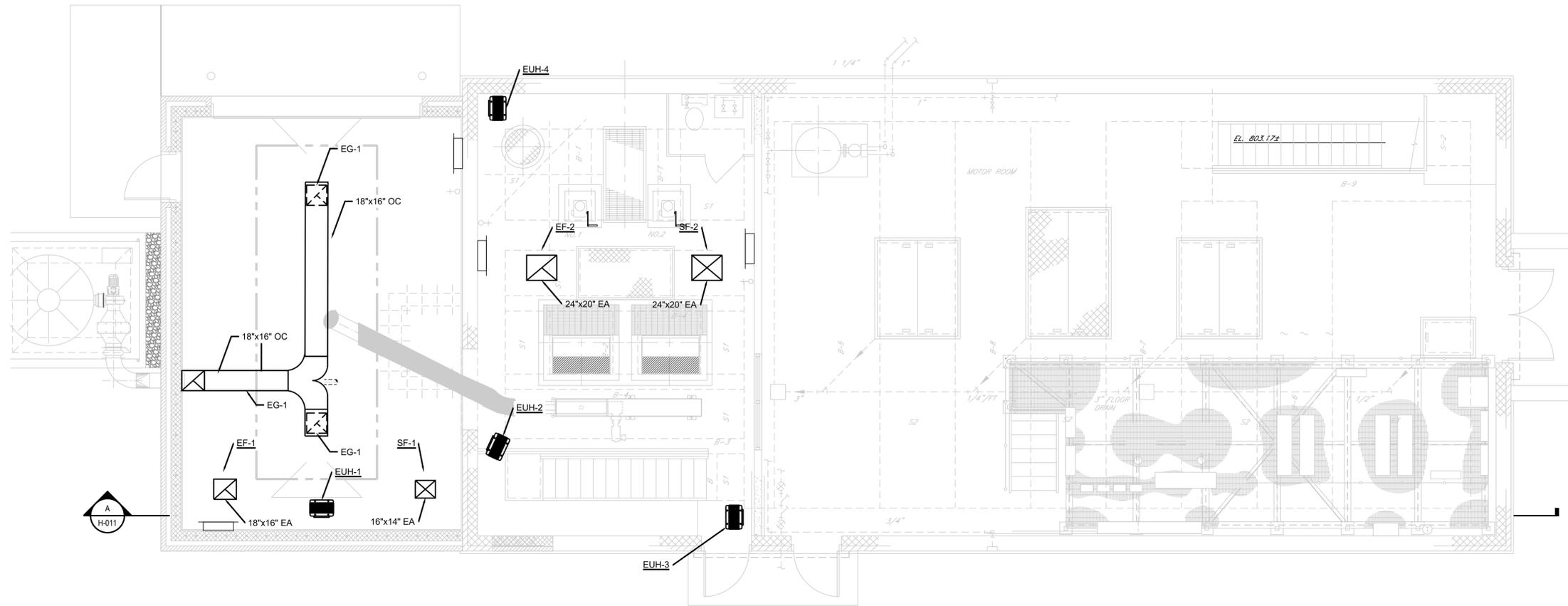


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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION INTERMEDIATE PLAN**

DRAWINGS ISSUED FOR / REVISIONS		BY	CHK	APP	EDR JOB#
NO	DATE	ISSUED FOR / REVISION	MIL	ASD	MET
1	02/2026	FOR BID			24124
2					DATE: 02/2026
3					SCALE: AS SHOWN
4					DRAWN BY: R.GARCIA
5					CHECKED BY: J.ROSS
6					DRAWING NUMBER: H-008

CONTRACT NO. **3**



PLAN @ EL 836.00
SCALE: 1/4" = 1'-0"



- NOTES:**
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING EQUIPMENT.



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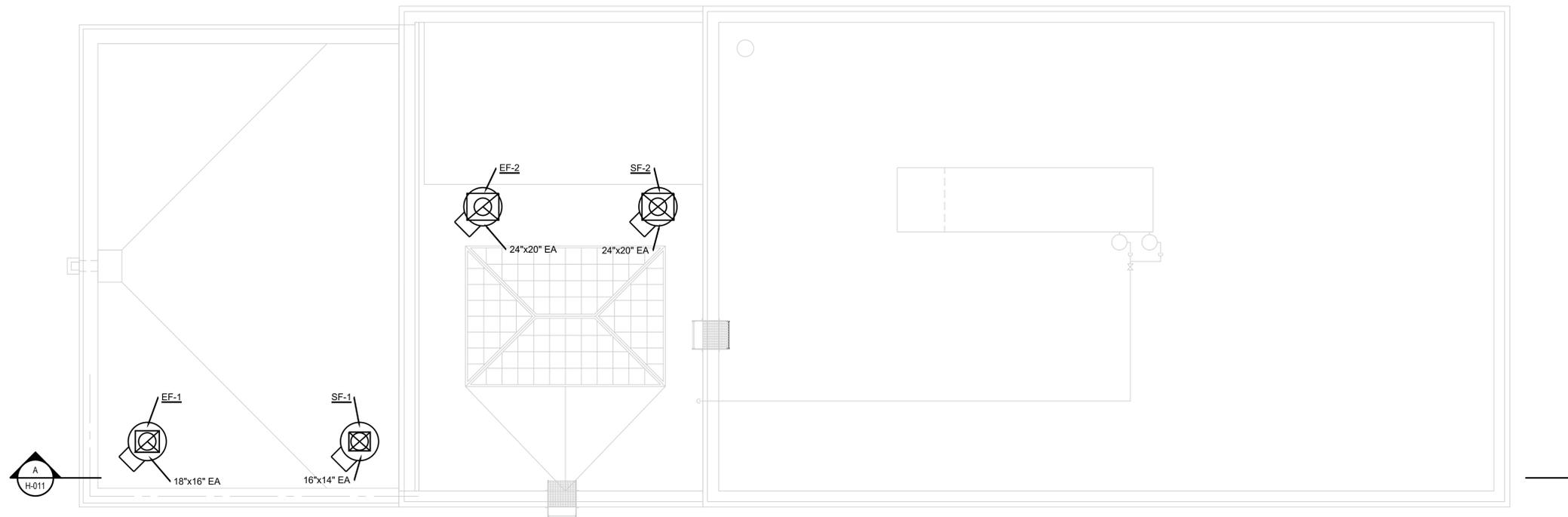
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION TOP PLAN**

DRAWINGS ISSUED FOR / REVISIONS		BY	CHK	APP	EDR JOB#
NO	DATE	ISSUED FOR / REVISION			DATE
1	02/2026	MIL	ASD	MET	24124
2					02/2026
3					SCALE: AS SHOWN
4					DRAWN BY: R.GARCIA
5					CHECKED BY: J.ROSS
6					DRAWING NUMBER:

CONTRACT NO. **3**

H-009



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



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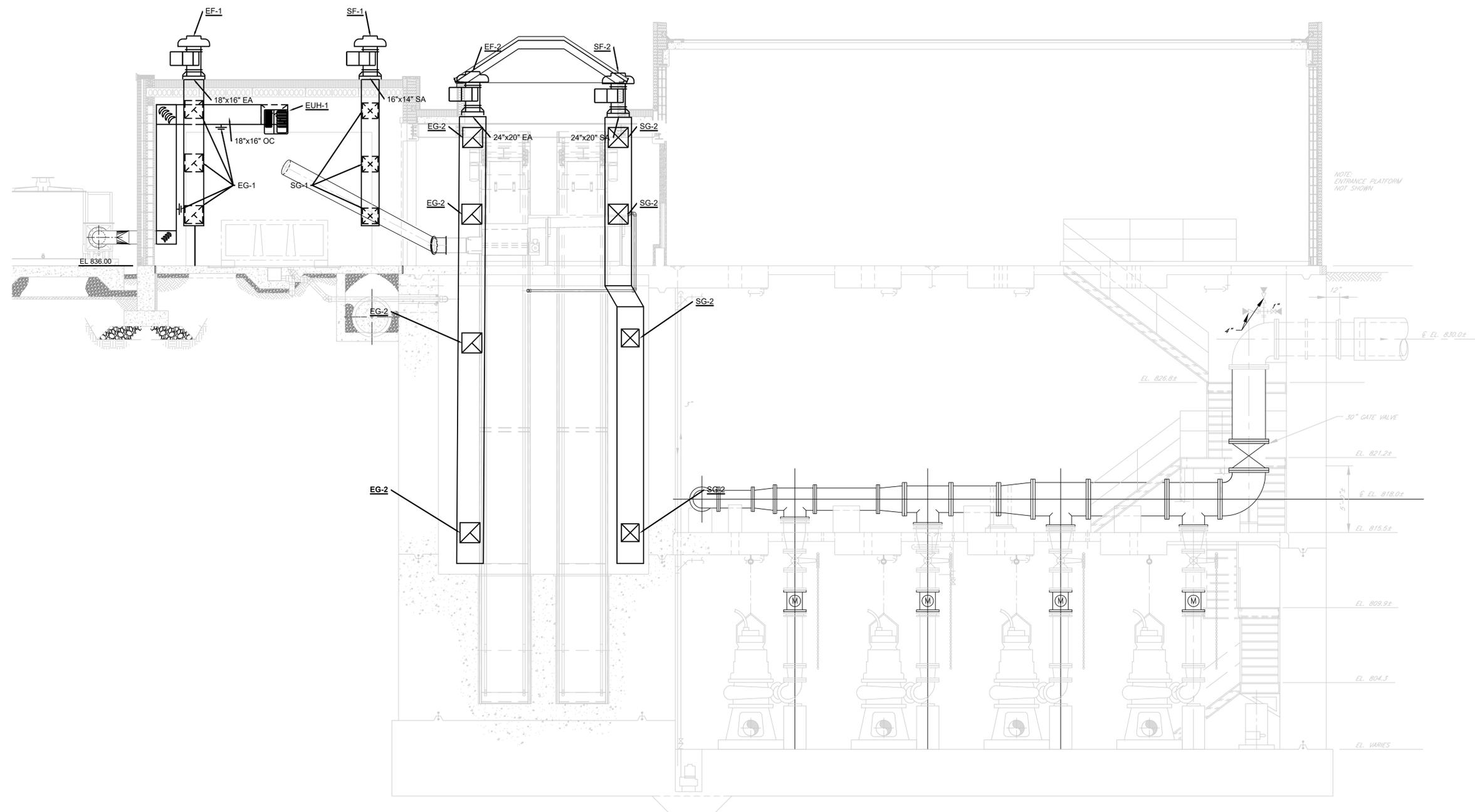
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**
PROJECT LOCATION: **BINGHAMTON, NY**
CLIENT: **CITY OF BINGHAMTON, NEW YORK**
DRAWING TITLE: **PUMP STATION ROOF PLAN**

CONTRACT NO. **3**

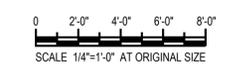
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EDR JOB#: **24124**
DATE: **02/2026**
SCALE: **AS SHOWN**
DRAWN BY: **R.GARCIA**
CHECKED BY: **J.ROSS**
DRAWING NUMBER: **H-010**



NOTE: ENTRANCE PLATFORM NOT SHOWN

SECTION
 H-200 H-201 H-202 H-203 Scale: 1/4" = 1'-0"



ORIGINAL DRAWING SIZE: ARCH D (24" X 36")
 J:\24124 Binghamton Terminal Pump Station\CalWork\Drawings\10 - HVAC\24124-H-011.dwg
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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **PUMP STATION SECTION**

CONTRACT NO. **3**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB# 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
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2						SCALE: AS SHOWN
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4						CHECKED BY: J.ROSS
5						DRAWING NUMBER:
6						H-011

GENERAL NOTES

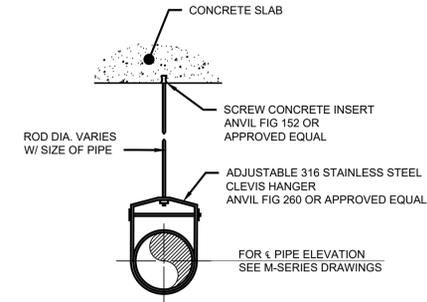
- AT A MINIMUM, ALL WORK SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH THE SUPPLEMENTAL UNIFORM AND FIRE PREVENTION BUILDING CODE, NYS BUILDING CODE, NYS MECHANICAL CODE, 2020 NYS ENERGY CODE, AND ALL CODES LOCAL OR OTHERWISE HAVING JURISDICTION OVER THE WORK. IF THE CONTRACT DOCUMENT SHOW DIFFERENT THAN THE CODE, THE MORE STRINGENT SHALL APPLY.
- ALL WORK SHOWN ON THE DRAWINGS SHALL BE PROVIDED UNLESS OTHERWISE NOTED.
- DUCTWORK & PIPING IS DIAGRAMMATICALLY SHOWN. EXACT ROUTING OF NEW PIPING & DUCTWORK SHALL BE DETERMINED IN FIELD WITH THE APPROVAL OF THE ENGINEER.
- THE WORDS PROVIDE OR INSTALL, SINGLY OR IN COMBINATION SHALL MEAN FURNISH AND INSTALL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- EXISTING CONDITION HAVE BEEN GENERATED FROM AVAILABLE AS-BUILT DRAWINGS. CONTRACTOR SHALL VERIFY AS-BUILT CONDITIONS IN FIELD AND DEVIATIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PERFORMING THE WORK.
- THE CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING TO MATCH EXISTING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS WORK AND NEWLY INSTALLED WORK, INCLUDING PROTECTION OF BUILDING OCCUPANTS AND OWNERS EQUIPMENT, PUBLIC, AND PERSONNEL. PROVIDE APPROPRIATE SIGNAGE, BARRIERS, AND SAFETY GUARD RAILS AS REQUIRED.
- WHERE WELDING OR OPEN FLAME IS USED FOR CUTTING, SOLDERING, ETC., CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS AND A FIRE WATCH IN PROXIMITY OF WORK AREA.
- ALL WORK SHALL BE COORDINATED WITH ALL TRADES RELATED TO THE COMPLETION OF THIS PROJECT.
- THE CONTRACTOR SHALL FILE PLANS WITH THE GOVERNING AUTHORITIES HAVING JURISDICTION AND SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE INSTALLATION OF HIS WORK.
- THE CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORK INSTALLED TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, AFTER ACCEPTANCE OF THE INSTALLATION BY THE ENGINEER AND OWNER. THE CONTRACTOR SHALL SUBMIT IN WRITING TO OWNER STATING THE SAME. EQUIPMENT WARRANTIES OF A LONGER DURATION SHALL APPLY.
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, HIS REPRESENTATIVES AND THE ENGINEER FROM ANY CLAIMS OR SUITS RESULTING IN NEGLIGENCE ON THE PART OF THE CONTRACTOR AND FOR FAILING TO EXECUTE HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROVIDE ALL RIGGING, HOISTING AND SCAFFOLDING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
- ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AND WORKMEN EXPERIENCED IN THE TRADE HAVING JURISDICTION. ALL WORK SHALL BE SUPERVISED AT ALL TIMES AND WORKMANSHIP SHALL BE FIRST CLASS IN ALL RESPECTS AND IN ACCORDANCE WITH BEST TRADE PRACTICES.
- ANY DEVIATION OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND SIGNED BY THE OWNER. ANY WORK INSTALLED WITHOUT PRIOR APPROVAL OF THE ENGINEER AND OWNER OR FOUND TO BE DEFECTIVE IN ANY WAY SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ALL CONSTRUCTION WORK SHALL BE CONFINED TO THE AREA INDICATED ON PLANS AND SHALL NOT BLOCK MEANS OF EGRESS FOR OCCUPANTS OF THE BUILDING.
- ALL WORK SHALL BE PERFORMED DURING NORMAL WORKING HOURS: 8AM TO 5PM MONDAY THROUGH FRIDAY EXCEPT LEGAL HOLIDAYS OR FOR EMERGENCY REPAIRS, UNLESS DIRECTED OTHERWISE BY THE OWNER. WORKING HOURS MUST BE COORDINATED WITH GENERAL CONTRACTOR. HOWEVER, THE CONTRACTOR MAY WORK EXTRA HOURS AS NEEDED TO COMPLETE THE CONTRACT SCOPE OF WORK AND MEET THE COMPLETION DATE AT NO ADDITIONAL COST TO OWNER, AS LONG AS OWNER HAS BEEN PROPERLY NOTIFIED AND HAS APPROVED SAME.
- ROUGH PATCHING OF WALLS, FLOORS, ETC. SHALL BE BY TRADE WHO PERFORMED WORK UNLESS OTHERWISE NOTED AND SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. WORK AREA SHALL BE LEFT BROOM CLEAN AT THE END OF EACH DAY. ALL DISCARDED AND DEMOLISHED MATERIAL AND RUBBISH SHALL BE REMOVED FROM PREMISES DAILY IN A LEGAL AND APPROVED MANNER. FINAL PATCHING AND PAINTING SHALL BE PERFORMED BY GENERAL CONTRACTOR
- LIMIT THE SPREAD OF DUST WHEN CUTTING BY INSTALLING POLYETHYLENE BARRIERS OR TARPULAINS AND EXHAUST TO CONTAIN AIRBORNE MATERIALS.
- THE CONTRACTOR SHALL SUBMIT DIGITAL COPIES OF SHOP DRAWINGS OF ALL EQUIPMENT, PIPING, DUCTWORK, AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION OF NEW WORK, WITHIN TWO WEEKS AFTER AWARD OF CONTRACT. SHOP DRAWINGS SHALL INDICATE ALL TECHNICAL DATA, STRUCTURAL MEMBERS, WALLS, FLOORS, DUCTWORK, ETC., WITH ELEVATIONS AT WHICH NEW WORK IS TO BE INSTALLED. ANY DEVIATION IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND OWNER. THE ENGINEER SHALL REVIEW AND TURN AROUND SHOP DWGS. WITHIN (7) DAYS OF RECEIPT OF SAME.
- THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF CONTRACT DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF SHOP DRAWINGS IN WHICH ANY DEVIATIONS FROM THE ORIGINAL DESIGN SHALL BE NOTED. UPON COMPLETION OF THE INSTALLATION OF NEW WORK THE CONTRACTOR SHALL TURN OVER TO THE OWNER AND ENGINEER (1) SET OF AS-BUILT REPRODUCIBLE DRAWINGS AND (1) SET OF PRINTS INCLUDING ALL APPROVED FIELD CHANGES AND DESIGN DEVIATIONS PRIOR TO RECEIPT OF FINAL PAYMENT BY OWNER.
- ALL PENETRATIONS THROUGH PARTITIONS, FLOORS, WALLS AND ROOF FOR ALL PIPING, CONDUIT AND DUCTWORK SHALL BE SEALED AND FIRE SAFED OFF TO MAINTAIN FIRE INTEGRITY OF EXISTING STRUCTURE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AS WELL AS BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ADEQUATE PRECAUTIONS AND SHALL PROVIDE REASONABLE PROTECTION TO PREVENT INJURY OR DAMAGE TO PERSONS, THE WORK, AND OTHER PROPERTY.

FUEL GAS NOTES

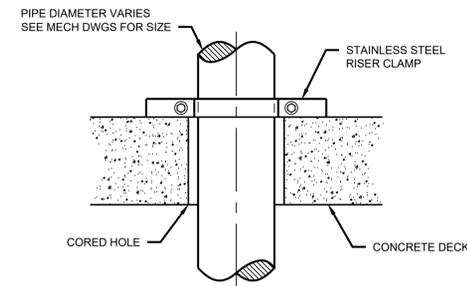
- INSTALL NATURAL GAS PIPING IN ACCORDANCE WITH NFPA 54 AND THE NYS FUEL GAS CODE.
- DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS ARE USED TO SIZE PIPE AND CALCULATE FRICTION LOSS, EXPANSION, AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED BY THE ENGINEER ON COORDINATION DRAWINGS.
- BELOW GRADE NATURAL GAS PIPING SHALL BE PLASTIC PIPE ASTM D2513 HIGH DENSITY POLYETHYLENE WITH BUTT FUSION FITTING ASTM D3261.
- ABOVE GRADE NATURAL GAS PIPING SHALL BE STEEL PIPE ASTM A53/A53M SCHEDULE 40 BLACK WITH ASME B16.3 MALLEABLE IRON OR ASTM A234/A234M FORGED STEEL WELDING TYPE FITTINGS AND WELDED JOINTS.
- INSTALL PIPING IN CONCEALED LOCATIONS UNLESS OTHERWISE INDICATED AND EXCEPT IN EQUIPMENT ROOMS AND SERVICE AREAS.
- INSTALL PIPING AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE. INSTALL PIPE FREE OF SAGS AND BENDS.
- INSTALL DRIPS AT POINTS WHERE CONDENSATE MAY COLLECT, INCLUDING SERVICE-METER OUTLETS. LOCATE WHERE ACCESSIBLE TO PERMIT CLEANING AND EMPTYING. DO NOT INSTALL WHERE CONDENSATE IS SUBJECT TO FREEZING.
- EXTEND RELIEF VENT CONNECTIONS FOR SERVICE REGULATORS, LINE REGULATORS, AND OVERPRESSURE PROTECTION DEVICES TO OUTDOORS AND TERMINATE WITH WEATHERPROOF VENT CAP. VENT OUTLETS SHALL BE LATERALLY OFFSET BY A MINIMUM OF 18" FROM ANY WINDOW, OPENING, OPEN AWNING OR OVERHANG.
- CONCEAL PIPE INSTALLATION IN WALLS, PIPE SPACES, UTILITY SPACES, ABOVE CEILINGS, BELOW GRADE OR FLOORS, AND IN FLOOR CHANNELS UNLESS INDICATED TO BE EXPOSED TO VIEW.
- USE ECCENTRIC REDUCER FITTINGS TO MAKE REDUCTION IN PIPE SIZES. INSTALL FITTINGS LEVEL SIDE DOWN.
- CONNECT BRANCH PIPING FROM TOP OR SIDE OF HORIZONTAL PIPING.
- INSTALL UNIONS IN PIPES 2" AND SMALLER, ADJACENT TO EACH VALVE, AT FINAL CONNECTION TO EACH PIECE OF EQUIPMENT.
- DO NOT USE NATURAL GAS PIPING AS GROUNDING ELECTRODE.
- INSTALL STRAINER ON INLET OF EACH LINE-PRESSURE REGULATOR.
- INSTALL PRESSURE GAUGE UPSTREAM AND DOWNSTREAM FROM EACH LINE REGULATOR.
- INSTALL SLEEVES FOR PIPING PENETRATIONS OF CONCRETE WALLS AND SLABS.
- INSTALL MANUAL GAS SHUT OFF VALVE FOR EACH GAS APPLIANCE AHEAD OF CORRUGATED STAINLESS-STEEL TUBING OR COPPER CONNECTOR.
- INSTALL VALVES WITH VALVE BOXES.
- INSTALL REGULATORS AND OVERPRESSURE PROTECTION DEVICES WITH MAINTENANCE ACCESS SPACE ADEQUATE FOR SERVICING AND TESTING.

PRV NOTES

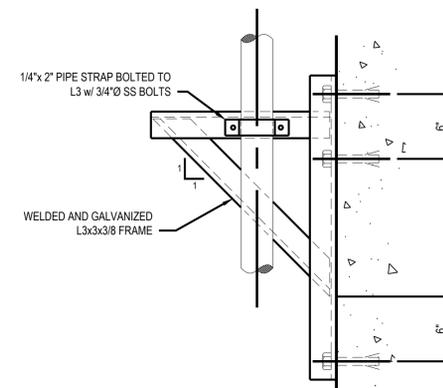
- ALL PIPING SHALL BE INSTALLED PLUMB AND LEVEL.
- ALL MATERIAL SHALL BE FURNISHED AND INSTALLED BY THE CUSTOMER EXCEPT FOR THE SERVICE REGULATOR WHICH SHALL BE FURNISHED BY THE COMPANY FOR INSTALLATION BY THE CUSTOMER.
- DO NOT INCLUDE THE REGULATOR IN ANY PIPING PRESSURE TEST
- ALL PIPING AND FITTINGS SHALL BE PAINTED WITH PAINT SUITABLE FOR USE ON METAL SURFACES OUTDOORS
- INSTALL PIPE SUPPORTS. REFER TO DETAIL.
- GASKET MATERIAL SHALL BE GARLOCK 3000 (1/16" THICK). GASKET STRAINER TO CONTAIN A 60 MESH STAINLESS STEEL SCREEN.
- DISTRIBUTION PIPING EXCLUDING MUST MEET ALL WELDING SPECIAL INSPECTION, AND RADIOGRAPHY REQUIREMENTS OF NYS BUILDING CODE OR OTHER AUTHORITY HAVING JURISDICTION
- AN INSULATED COMPRESSION COUPLING OR FLANGE INSULATING KIT SHALL BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE REGULATOR
- INSTALL TA VALVE SUCH THAT FLOW ARROW ON THE DEVICE POINTS TO THE DIRECTION OF GAS FLOW
- MANUFACTURER'S NAME AND PIPE SIZE SHALL BE PERMANENTLY MARKED ON AND PIPE SUPPORT
- VENT PIPE MUST:
 - BE GAS TIGHT
 - BE PROPERLY SUPPORTED
 - TERMINATE OUTDOORS WITH A VENT CAP FACING DOWNWARD
- VENT CAP SHALL BE A WEATHER RESISTANT FITTING, E.G. A PECK VENT. VENT SHALL NOT BE COVERED IN ANY WAY THAT WOULD PREVENT FREE FLOW TO THE OUTSIDE
- ALL BOLLARDS SHOULD BE INSTALLED TO HAVE THE SAME HEIGHT
- A MINIMUM OF 3" SHOULD BE MAINTAINED BETWEEN GAS SERVICE AND CONCRETE FOOTING FOR BOLLARDS.



TYPE "A" PIPE SUPPORT
NO SCALE



TYPE "R" RISER OR VERTICAL PIPE SUPPORT

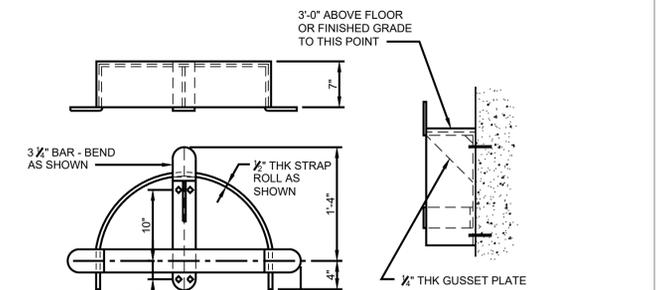


WALL ANCHORAGE NOTES:
FOR SOLID WALLS PROVIDE:
 3-3/4"Ø SS ADHESIVE ANCHORS 6" EMBEDMENT REFER TO SPECIFICATION SECTION 03600.
FOR HOLLOW CONCRETE BLOCK WALLS PROVIDE:
 3-3/4"Ø SS THRU-BOLTS WITH 6"x6"x1/4" 316 STAINLESS STEEL BACKING PLATE

TYPE "V" PIPE SUPPORT
NO SCALE

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING WORK
////	WORK TO BE DEMOLISHED
---	WORK TO BE PROVIDED
○	RISER
⌋	ELBOW DOWN
⊙	POINT OF CONNECTION
⊙	POINT OF DISCONNECT
⊗	GLOBE VALVE
⊗	GATE VALVE
⊕	PLUG VALVE
⊗	BALL VALVE
⊏	CHECK VALVE
⊕	HOSE BIBB
PRV-1	DENOTES PRESSURE REDUCING VALVE No. 1
OPD-1	DENOTES OVER PRESSURE PROTECTION DEVICE No. 1
⊗	PRESSURE REDUCING VALVE
⊕	REDUCER / INCREASER
⊕	COUPLING
⊕	STRAINER
ETR	EXISTING TO REMAIN
⊕	CAP
⊕	CURB VALVE
⊕	OVER PRESSURE PROTECTION DEVICE

NOTE: ALL WORK TO BE PROVIDED UNLESS OTHERWISE NOTED



HOSE RACK NOTES:

- FABRICATE FROM ALUMINUM, WELDED CONSTRUCTION
- PROVIDE A HEAVY COAT OF BITUMINOUS PAINT ON SURFACES IN CONTACT WITH CONCRETE.
- FASTEN TO MASONRY WITH 3/8"Ø EPOXY ANCHORS (4 PER RACK).

NOTES:

- COORDINATE QUANTITY AND LOCATIONS WITH OWNER AND ENGINEER.

HOSE RACK DETAIL
NO SCALE

Date Printed: 1/26/2026 11:11:44 AM

C:\24124 Binghamton Terminal Pump Station\CallWorking Drawings\09_Pumping\24124-R-001.rvt

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 217 Montgomery Street, Suite 1100
 Syracuse, New York 13202
 P. 315.471.0688

PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

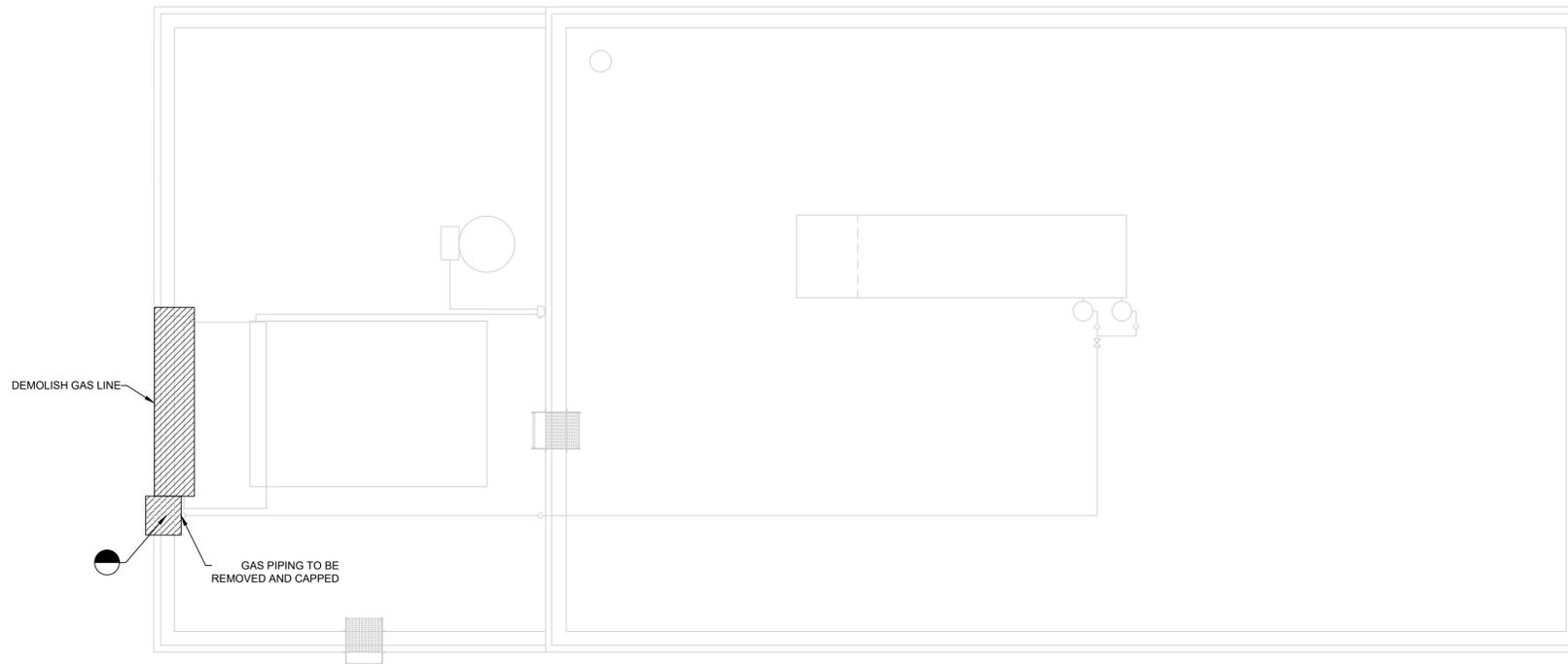
PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **PUMP STATION LEGENDS AND NOTES**

CONTRACT NO. **3**

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB#: 24124		
NO	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: R.GARCIA
4						CHECKED BY: J.ROSS
5						DRAWING NUMBER:
6						P-001

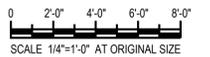


ROOF DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



DEMOLISH PIPING INCLUDING UNDERGROUND NATURAL GAS PIPING. CONTRACTOR SHALL FIELD VERIFY EXTENT OF BURIED PIPING DEMOLITION AND SUBMIT TO ENGINEER FOR APPROVAL

REMOVE EXISTING BURIED GAS SUPPLY LINE BACK FOR CONNECTION



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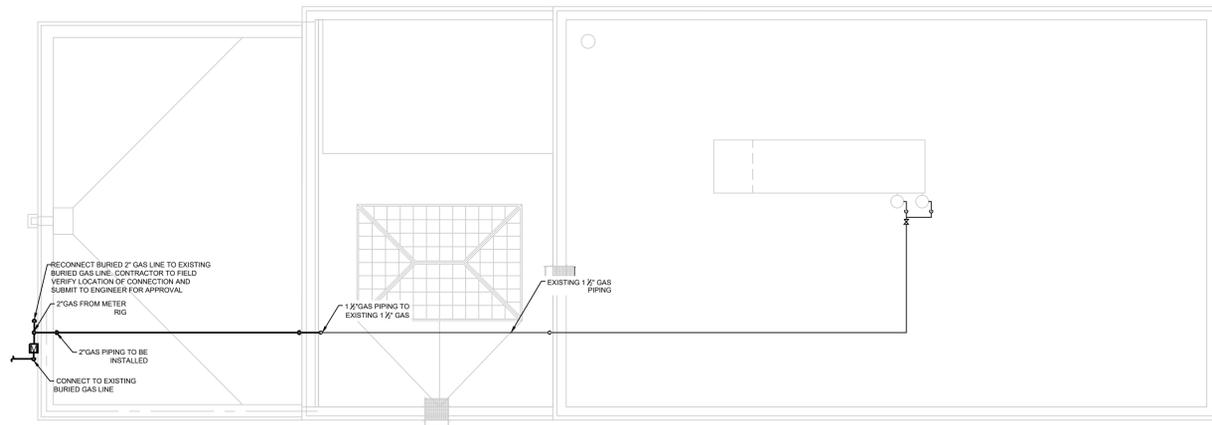
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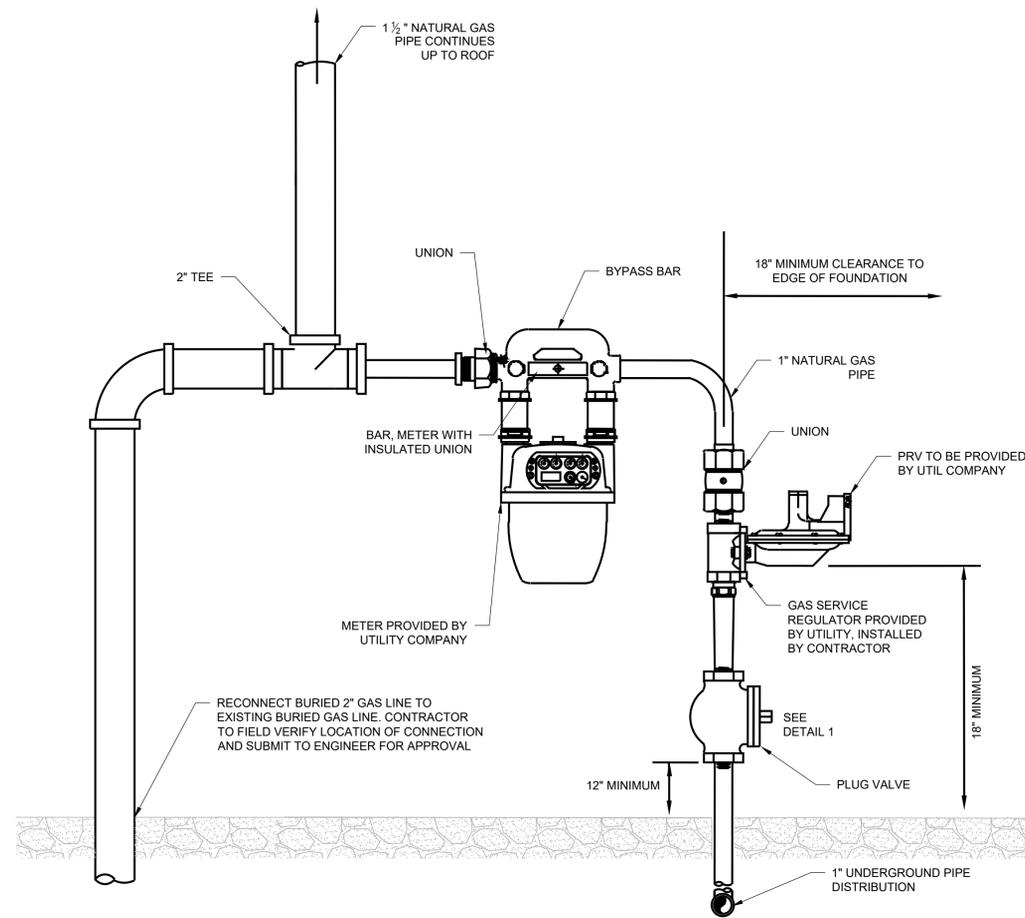
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PROJECT TITLE:	TERMINAL PUMPING STATION UPGRADE		
PROJECT LOCATION:	BINGHAMTON, NY		
CLIENT:	CITY OF BINGHAMTON, NEW YORK		
DRAWING TITLE:	PUMP STATION	CONTRACT NO.	3
	ROOF DEMOLITION PLAN		

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1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: RGX
4						CHECKED BY: JSR
5						DRAWING NUMBER:
6						P-002



ROOF GAS PLAN
SCALE: 1/4" = 1'-0"



GAS ELEVATION



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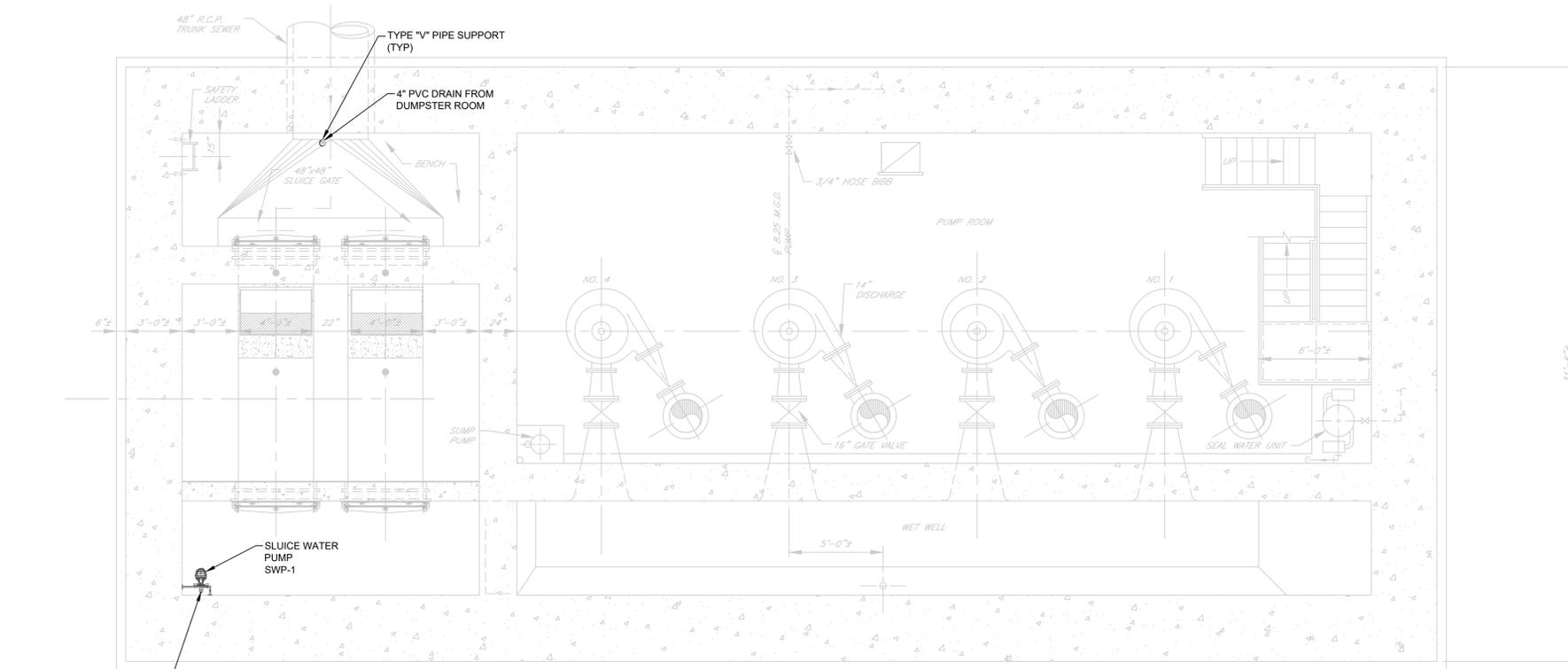


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PROJECT TITLE:	TERMINAL PUMPING STATION UPGRADE	
PROJECT LOCATION:	BINGHAMTON, NY	
CLIENT:	CITY OF BINGHAMTON, NEW YORK	
DRAWING TITLE:	PUMP STATION GAS PLAN AND DETAIL	CONTRACT NO. 3

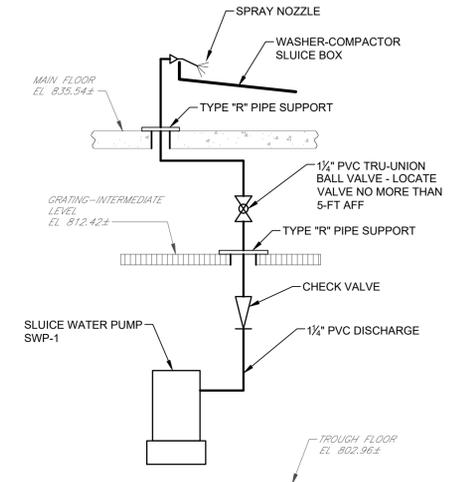
DRAWINGS ISSUED FOR / REVISIONS			BY	CHK	APP	DATE
NO.	DATE	ISSUED FOR / REVISION				
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3						
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5						
6						

EDR JOB#:	24124
DATE:	02/2026
SCALE:	AS SHOWN
DRAWN BY:	R.GARCIA
CHECKED BY:	J.ROSS
DRAWING NUMBER:	P-003



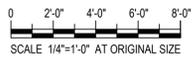
1 1/2" PVC DISCHARGE UP TO INTERMEDIATE PLAN LEVEL EL. 816.00. SEE DRAWING P-005 FOR CONTINUATION.

BASEMENT PLAN @ EL 814.00
SCALE: 1/4" = 1'-0"



SLUICE WATER DIAGRAM
NO SCALE

- NOTES:**
- COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

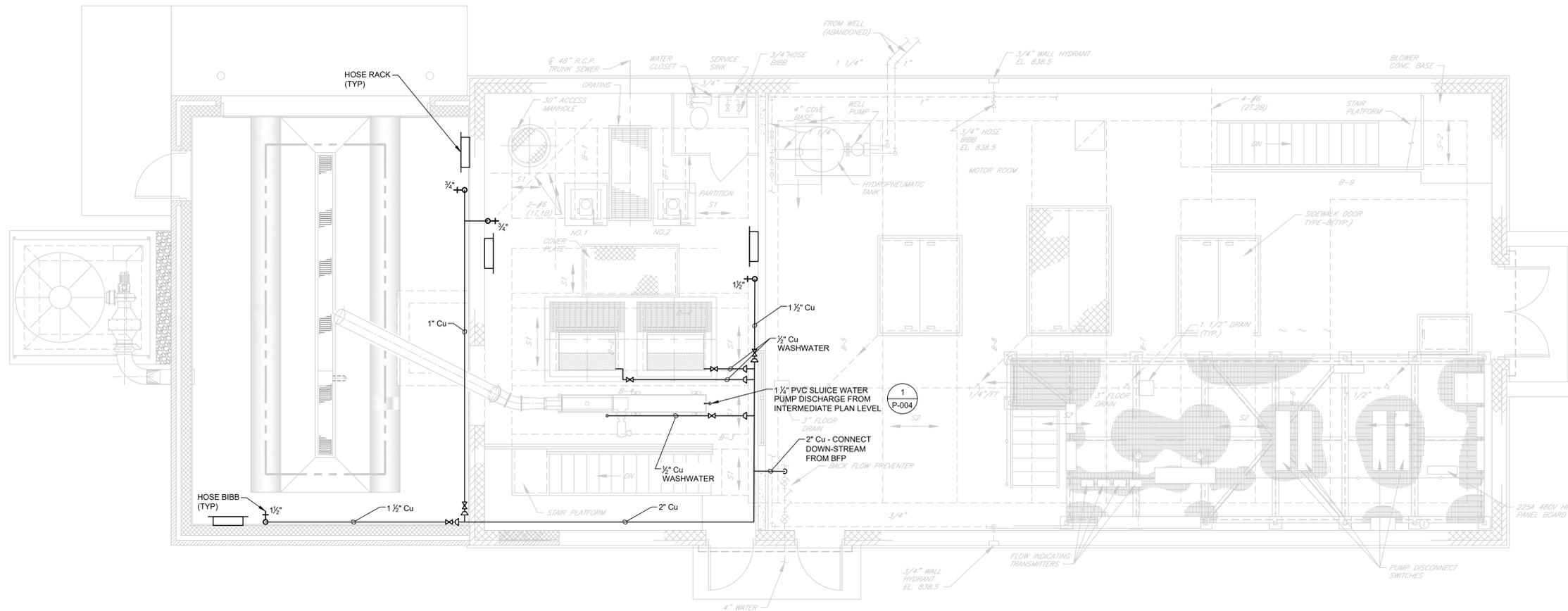
PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

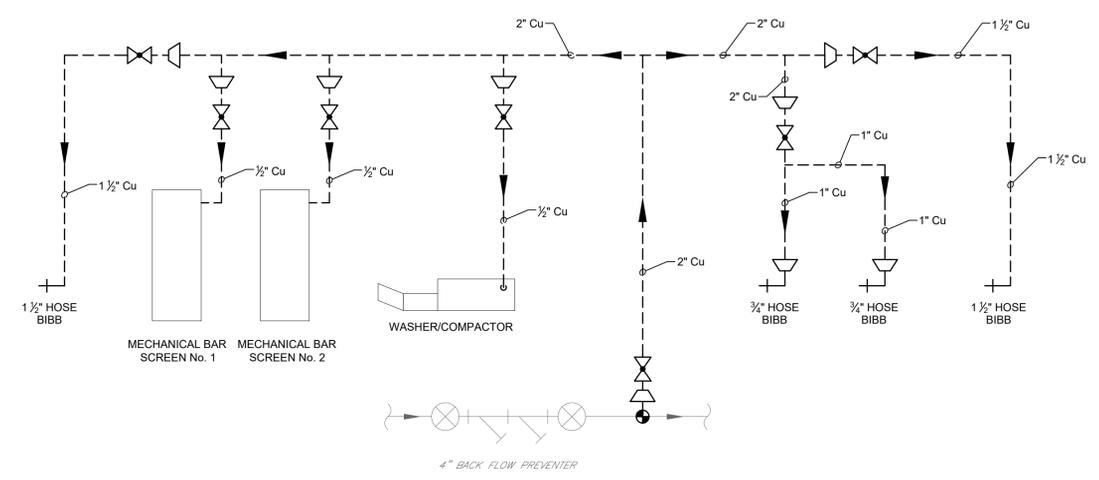
DRAWING TITLE: **PUMP STATION BASEMENT PROCESS WATER PLAN**

CONTRACT NO. **3**

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1	02/2026	FOR BID	MIL	ASD	MET	02/2026
2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: ASD
5						DRAWING NUMBER:
6						P-004



TOP PLAN @ EL 836.00
SCALE: 1/4" = 1'-0"



PROCESS WATER RISER DIAGRAM
NO SCALE

- NOTES:**
1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING EQUIPMENT.
 2. COORDINATE PIPE, CONDUIT AND EQUIPMENT LOCATIONS WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND DRAWINGS OF OTHER DISCIPLINES.



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PROJECT TITLE: **TERMINAL PUMPING STATION UPGRADE**

PROJECT LOCATION: **BINGHAMTON, NY**

CLIENT: **CITY OF BINGHAMTON, NEW YORK**

DRAWING TITLE: **PUMP STATION TOP PROCESS WATER PLAN**

CONTRACT NO. **3**

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2						SCALE: AS SHOWN
3						DRAWN BY: KAD
4						CHECKED BY: MJL
5						DRAWING NUMBER
6						P-006