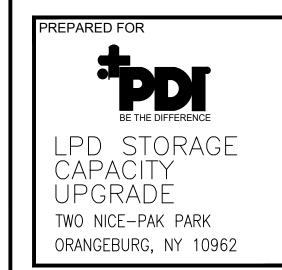


LPD STORAGE CAPACITY UPGRADE TWO NICE-PAK PARK, ORANGEBURG, NY 10962

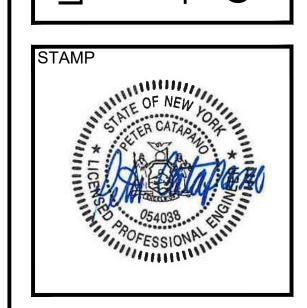


Greenman-Pedersen, Inc. 2 Executive Boulevard, Suite 202 Montebello, NY 10901





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GPI PROJECT/CONTRACT NO.:	
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Engineering
Design
Planning
Construction Management
Greenman-Pedersen, Inc.
2 Executive Boulevard, Suite 202
Suffern, NY 10901

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PD STORAGE

CAPACITY

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TWO NICE-PAK PARK
ORANGEBURG, NY 10962

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SITE PLAN

GPI PROJECT/CONTRACT NO.:

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SHEET 2 OF 3

FI	ITTING LEGEND	AB	BREVIATION LEGEND	MECHANICAL SUMMARY OF
		ABBREVIATION	DESCRIPTION	INSTALL TWO(2) 30,000 GALLON UNDERGROUN FURNISHED BY OWNER, PDI.
	ELBOW TURNED UP	AD	ACCESS DOOR	2. INSTALL NEW TRANSFER PUMPS, SUCTION AND
	ELBOW TURNED DOWN	AF AFF	AIR FILTER ABOVE FINISHED FLOOR	SUPPORTS. PUMPS ARE FURNISHED BY OWNER
	LEBOW TOKINED DOWN	CO	CLEAN OUT	3. FURNISH AND INSTALL NEW DOUBLE-WALLED F
	TEE TURNED UP	CONT.	CONTINUED	PUMPS AND TANK.
	TEE TURNED DOWN	DB	DECIBELS	4. COORDINATE ALL WORK WITH GENERAL CONT CONTRACTOR.
		DBT DIA	DRY BULB TEMPERATURE DIAMETER	CONTRACTOR.
+	TEE (SIDE)			
	RISE OR DROP IN PIPE	EFT EJ	ENTERING FLUID TEMPERATURE EXPANSION JOINT	
 	UNION	EX	EXPANSION JOINT EXISTING	PERMITTING/INSPECTIONS
.1.	ONION	FC	FLEXIBLE CONNECTION	
	FLANGE	FL	FLOOR	 ALL PERMITTING SHALL BE ARRANGED AND COORD FOR INSPECTIONS WITH THE TOWN. THE APPROPRIA
	PIPE CAP	FPM	FEET PER MINUTE	REQUIRED INSPECTIONS. COORDINATE SCHEDULING PDI.
þ	OLEMONT WERE	FT	FEET	
1 F	CLEANOUT W/ PLUG	GAL	GALLONS	
\longrightarrow	CONCENTRIC REDUCER	GPM	GALLONS PER MINUTE	
	ECCENTRIC REDUCER	HGT HP	HEIGHT HORSEPOWER	
 ∕—⊳UP		IN	INCH	CODE COMPLIANCE
	PIPE PITCH UP	KW	KILOWATT	COBE COMI LIAINCE
→DN	PIPE PITCH DOWN	LF	LINEAR FOOT	1. ALL WORK SHALL BE PERFORMED IN STRICT ACCOR
		MAX	MAXIMUM	THE 2020 NYS BUILDING CODE, 2020 NYS MECHANIC CONSERVATION CODE, AND ALL GOVERNING LOCAL
	VALVE LEGEND	MIN	MINIMUM	
		NIC NOM	NOT IN CONTRACT NOMINAL	
<u> </u>	BALL VALVE	P	PUMP	
	BALL VALVE	PSIG	POUNDS PER SQUARE INCH GAUGE	
	GATE VALVE	RPM	REVOLUTIONS PER MINUTE	
	GLOBE VALVE	SG	SPECIFIC GRAVITY	SAFETY NOTES
	CALIBRATED BALANCING VALVE	UNO	UNLESS NOTED OTHERWISE	1. SPECIAL PRECAUTIONS SHALL BE TAKEN BY THE
		WG	WATER GAUGE	 ON THE APPLICATION AND ITS INSTALLATION WILL EGRESS TO AND FROM THE BUILDING FIRE SAFE
	PUMP TRIPLE DUTY VALVE	WPD	WATER PRESSURE DROP	 STRUCTURAL SAFETY OF THE BUILDING. ACCUMULATION OF DUST AND DEBRIS. THE CO
	CHECK VALVE			BROOM CLEAN EACH DAY.
				2. ASBESTOS MUST FIRST BE INVESTIGATED AND VIDEMOLITION OR CONSTRUCTION WORK TO BE PE

MECHANICAL SUMMARY OF WORK MECHANICAL DEMOLITION NOTES

1. INSTALL TWO(2) 30,000 GALLON UNDERGROUND STORAGE TANKS. TANKS ARE FURNISHED BY OWNER, PDI.

2. INSTALL NEW TRANSFER PUMPS, SUCTION AND VENT PIPING AND ASSOCIATED

- 3. FURNISH AND INSTALL NEW DOUBLE-WALLED FIBERGLASS PIPING BETWEEN
- 4. COORDINATE ALL WORK WITH GENERAL CONTRACTOR AND ELECTRICAL

SUPPORTS. PUMPS ARE FURNISHED BY OWNER, PDI.

ALL PERMITTING SHALL BE ARRANGED AND COORDINATED WITH THE OWNER/PDI. FOR INSPECTIONS WITH THE TOWN. THE APPROPRIATE CONTRACTOR IS TO ARRANGE ALL REQUIRED INSPECTIONS. COORDINATE SCHEDULING OF INSPECTIONS WITH THE OWNER,

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE 2020 NYS BUILDING CODE, 2020 NYS MECHANICAL CODE, AND 2020 NYS ENERGY CONSERVATION CODE, AND ALL GOVERNING LOCAL CODES, LAWS, AND REGULATIONS.

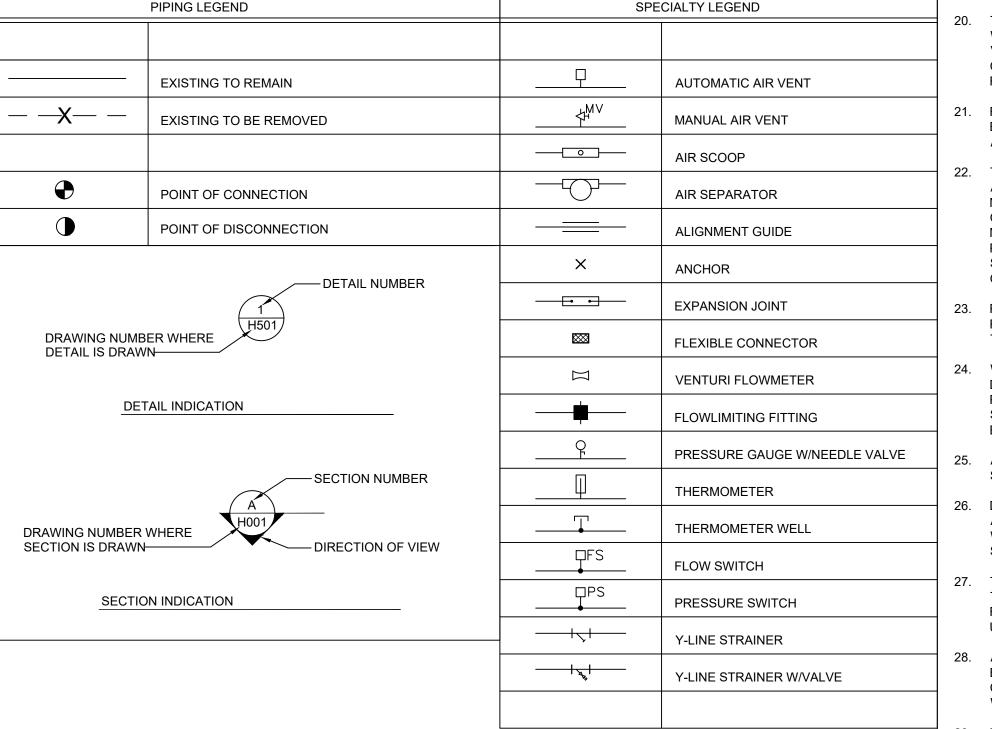
SAFETY NOTES

- SPECIAL PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR SO THAT EQUIPMENT ON THE APPLICATION AND ITS INSTALLATION WILL NOT AFFECT THE FOLLOWING: - EGRESS TO AND FROM THE BUILDING FIRE SAFETY OR CREATE A FIRE HAZARD - STRUCTURAL SAFETY OF THE BUILDING.
 - ACCUMULATION OF DUST AND DEBRIS. THE CONTRACTOR SHALL LEAVE THE SITE BROOM CLEAN EACH DAY.
- ASBESTOS MUST FIRST BE INVESTIGATED AND VERIFIED IN FIELD BEFORE ANY DEMOLITION OR CONSTRUCTION WORK TO BE PERFORMED. ASBESTOS FREE MUST BE CERTIFIED FOR ALL HVAC EQUIPMENT, DUCTWORK, AND ALL PIPING INSULATION.
- CONSTRUCTION WORK SHALL BE CONFINED TO WORK AREAS NOTED ON THE DRAWINGS AND SHALL INVOLVE TEMPORARY INTERRUPTION OF HEATING, WATER AND ELECTRIC SERVICES TO THE BUILDING SYSTEMS ONLY AS SCHEDULED WITH THE CITY OF NEW YORK.
- FIRE SAFETY: ALL BUILDING MATERIALS STORED IN CONSTRUCTION AREA, AND/OR IN ANY AREA OF THE BUILDING ARE TO BE SECURED IN A LOCKED AREA. ACCESS TO SUCH AREAS TO BE CONTROLLED BY THE FACILITY AND/OR GENERAL CONTRACTOR.
- CONTRACTOR SHALL PROVIDE BARRICADES AROUND WORK AREAS AS REQUIRED TO PREVENT UNAUTHORIZED PERSONS FROM ENTERING THEREIN.
- THE CONTRACTOR SHALL SUBMIT SAFETY PLAN FOR ENGINEER AND PDI'S APPROVAL.
- UNLOADING OPERATIONS SHALL BE UNHINDERED AT ALL TIMES.
- SPECIAL SHUTDOWNS FOR TIE-INS TO BE ARRANGED WITH PDI/OWNER, MIN. 3 DAY

- DEMOLITON/RELOCATIONS: CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND RELOCATION'S OF SERVICES, EQUIPMENT AND MATERIAL RELATING TO HIS/HER RESPECTIVE TRADE. INCLUDE IN BID THE COST TO PROVIDE DEMOLITION OF ALL ELECTRICAL EQUIPMENT AND SYSTEMS ASSOCIATED WITH THE RENOVATION WORK. ALL DEMOLITION WORK SHALL COORDINATE WITH OWNER.
- WHERE EXISTING WALLS, FLOORS OR CEILINGS ARE REMOVED OR PENETRATED, AND WHERE EXISTING END WALLS OF THE BUILDING ARE POINTS OF CONNECTION OF ADDITIONS, ALL SERVICES, PIPING, CONDUIT, CONTROL AND/OR SWITCH DEVICES, LIGHTS, OR OTHER HVAC, PLUMBING, FIRE PROTECTION OR ELECTRICAL EQUIPMENT SHALL BE REMOVED (AND/OR RELOCATED WHERE THEY MUST REMAIN IN SERVICE, OR SERVE, AREAS BEYOND THE IMMEDIATE WORK) CONTRACTOR SHALL FIELD VERIFY CONDITIONS AT THE SITE.
- PRIOR TO DEMOLITION CONTRACTOR SHALL REVIEW WITH OWNER ALL MATERIALS TO BE REMOVED, SHOULD THE OWNER OPT TO KEEP ANY MATERIALS THE CONTRACTOR SHALL REMOVE AND DELIVER THE PARTS TO THE OWNER ON THE SITE WHERE SO DIRECTED. OTHERWISE ALL DEMOLISHED OR REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER.
- DEMOLITION SHALL INCLUDE REMOVAL OF ALL PARTS AND PIECES IN THEIR ENTIRETY BACK TO POINTS INDICATED OR IF NOT INDICATED BACK TO THEIR POINT OF SOURCE. REMOVE CONDUCTORS FROM REMAINED CONDUITS WHERE IT IS INDICATED. WHERE CONDUCTORS REMAINED IN CONDUITS-DISCONNECT, ISOLATE AND CAPPED THEM TO ENSURE SAFETY AND PROTECTION. WHERE CONDITIONS PROHIBIT TOTAL REMOVAL OF THE WORK, THE REMAINING PORTION SHALL BE CUT FLUSH WITH THE SURROUNDING SURFACE AND BE CAPPED, PLUGGED OR SEALED AND THE SURROUNDING SURFACE SHALL BE REFINISHED IN AN APPROVED MANNER.
- MAINTAIN EXISTING UTILITIES INDICATED OR REQUIRED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN SCHEDULED WITH THE OWNER.
- DO NOT REMOVE EXISTING STRUCTURAL WORK. DO NOT REMOVE OPERATIONAL ELEMENTS AND SAFETY-RELATED COMPONENTS IN A MANNER RESULTING IN A REDUCTION OF CAPACITIES TO PERFORM IN THE MANNER INTENDED OR RESULTING IN DECREASED OPERATIONAL LIFE, INCREASED MAINTENANCE, OR DECREASED
- REMOVALS, DISCONNECTIONS, AND RELOCATIONS SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE INVOLVED AND SHALL BE EMPLOYED BY A CONTRACTOR LICENSED IN THE TRADE INVOLVED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACCEPTED TRADE PRACTICES.
- PROVIDE ADEQUATE TEMPORARY SUPPORT FOR WORK TO REMAIN, TO PREVENT FAILURE. DO NOT ENDANGER OTHER WORK.
- PROTECTION: PROVIDE ADEQUATE PROTECTION WHERE REQUIRED FOR THE PRESENT BUILDING AND ITS CONTENTS. TEMPORARY DUSTPROOF BARRIERS AND BARRICADES SHALL BE ERECTED WHERE REQUIRED FOR PROTECTION OF PERSONNEL, PROTECTION FROM DUST AND DIRT, FOR SECURITY, FIRE AND WEATHER PROTECTIVE REASONS. CONTRACTOR SHALL TAKE EVERY PRECAUTION AGAINST FIRE BY EMPLOYING FIRE DEPARTMENT TYPE HOSES AND PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY OSHA AND/OR THE OWNER'S INSURANCE UNDERWRITER.
- USE TEMPORARY ENCLOSURES, OR OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- ALL EXISTING EQUIPMENT REQUIRED TO BE REUSED SHALL BE CLEANED. RECONDITIONED, CALIBRATED AND ADJUSTED. IN ALL INSTANCES WHERE CONTRACTOR FINDS THAT EXISTING EQUIPMENT IS DEFECTIVE TO THE POINT WHERE IT CANNOT BE PROPERLY RESTORED AND WILL NOT OPERATE PROPERLY, HE SHALL REPORT THE SPECIFIC INSTRUMENTS OR EQUIPMENT TO THE OWNER/ENGINEER FOR
- TEMPORARY SHUTDOWNS OF SERVICE OF EXISTING ELECTRICAL, HEATING, AIR CONDITIONING, AND VENTILATION SYSTEMS SHALL BE PERFORMED WITH A MINIMUM OF DISRUPTION OF SERVICE, HELD TO AN ABSOLUTE MINIMUM DURATION OF TIME. AND ONLY AFTER HAVING NOTIFIED THE BUILDING OPERATIONS MANAGEMENT AT LEAST TWO WEEKS IN ADVANCE AND HAVING RECEIVED THEIR PERMISSION IN WRITING, AT LEAST TWO WEEKS PRIOR TO THE SCHEDULED SHUTDOWN. COMMUNICATIONS SHALL BE RELAYED THROUGH THE OWNER, PDI.
- ELECTRICAL CONTRACTOR SHALL RING OUT AND IDENTIFY ALL CIRCUITS REMAINING IN CONTRACT AREA, AFTER DEMOLITION. REMOVE ALL CIRCUITS BACK TO POINT OF SOURCE. MARK PANEL CIRCUITS NO LONGER IN USE "SPARE".

GENERAL NOTES:

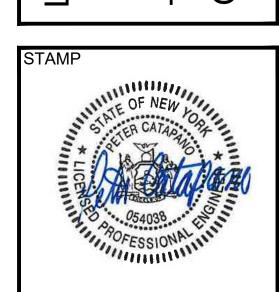
- THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING.
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE 2020 NYS BUILDING CODE, 2020 NYS MECHANICAL CODE, AND 2020 NYS ENERGY CONSERVATION CODE, AND ALL GOVERNING LOCAL CODES, LAWS, AND REGULATIONS.
- PROVIDE A COMPLETE OPERABLE SYSTEM IN A WORKMANLIKE MANNER. OUTLINE DESCRIPTION AND EQUIPMENT; DO NOT LIMIT CONTRACTOR'S LIABILITY FOR THE INSTALLATION OF A COMPLETE OPERABLE SYSTEM
- THE CONTRACTOR SHALL FIELD VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND NOTIFY THE OWNER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN IN THESE DOCUMENTS. ALL DIMENSIONS AND EQUIPMENT ARE SHOWN DIAGRAMMATICALLY, COORDINATE WITH ACTUAL FIELD
- BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE BUILDING DEPARTMENT. OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES REQUIRED.
- COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
- 6. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGETHER PROPERLY WITHOUT COMPROMISING THE QUALITY OF THE WORK. RESTORE WALLS AND CEILINGS TO MATCH EXISTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS, AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
- THE TERM "FINISH FLOOR" SHALL MEAN THE NORMAL FINISHED SURFACE OF THE FLOOR LEVEL. ALL ELEVATIONS GIVEN FOR EXISTING BUILDINGS ARE TO FINISHED FLOOR. THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS FOR EXISTING STRUCTURES PRIOR TO THE COMMENCEMENT OF WORK.
- 9. THE CONTRACTOR SHALL PATCH AND REPAIR ALL FLOORS, WALLS CEILINGS, ETC. DAMAGED OR EXPOSED DUE TO WORK OR REMOVALS AND FINISH TO MATCH ADJOINING SURFACES.
- 10. ALL NEWLY INSTALLED, PATCHED WORK AND ALL AFFECTED AREAS SHALL BE PAINTED, ALL PAINTING WORK SHALL BE PERFORMED TO COVER THE ENTIRE HORIZONTAL OR VERTICAL SURFACE TO THE CLOSEST CORNER IN ALL FOUR DIRECTIONS. COLOR TO MATCH EXISTING CONDITIONS.
- 11. WORK NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER AND ACCEPTABLE CONSTRUCTION, INSTALLATION OR OPERATION OF ANY PART OF THE WORK AS DETERMINED BY THE OWNER, SHALL BE INCLUDED IN THE WORK THE SAME AS IF HEREIN SPECIFIED OR INDICATED.
- 12. DURING CONSTRUCTION, TEMPORARY BAFFLES TO SEAL OPENINGS TO PREVENT DUST AND DIRT FROM FILTERING INTO OCCUPIED AREAS ARE TO BE PROVIDED BY CONTRACTOR.
- 13. ALL WORK SHALL BE INSTALLED SO THAT ALL PARTS REQUIRED ARE READILY ACCESSIBLE FOR INSPECTION, OPERATION, MAINTENANCE AND REPAIR.
- 14. CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED ACCESS FROM ALL FLOORS AND ADJACENT SPACES INTO THE EXISTING FIRE STAIRS TO OUTSIDE OF THE BUILDING AT ALL TIMES.
- 15. CONTRACTOR SHALL MAINTAIN FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE WILL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
- 16. PROVIDE BARRICADES AROUND WORK AREAS AS REQUIRED TO PREVENT BUILDING OCCUPANTS AND OTHER UNAUTHORIZED PERSONS FROM ENTERING THEREIN.
- 17. CONTRACTOR IS TO NOTIFY IMMEDIATELY THE OWNER OF ANY HAZARDOUS MATERIALS ENCOUNTERED IN ENCLOSED SPACES. ANY SUCH MATERIALS SHALL BE PROMPTLY TESTED AND REMOVED BY A QUALIFIED CONSULTANT AS PER D.O.B. STANDARDS & THE LAW.
- 18. CONTRACTOR SHALL RELOCATE AND PATCH ANY EXISTING ITEMS INTERFERING WITH THE INSTALLATION OF NEW WORK WHETHER SHOWN OR NOT ON THE DRAWINGS AT NO COST TO OWNER.
- 19. THERE WILL BE NO CHANGE IN USE, EGRESS OR OCCUPANCY BECAUSE OF THE WORK OF THIS CONTRACT.
- 20. THE MECHANICAL CONTRACTOR SHALL PROVIDE POWER SUPPLIES, ELECTRICAL WIRING AND CONDUIT FOR POWER AND CONTROL TO PNEUMATIC DAMPER AND VALVE OPERATORS, THERMOSTATS, AUTOMATIC CONTROL INSTRUMENTATION. COORDINATE WITH THE ELECTRICAL CONTRACTOR TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.
- 21. FOR POWERED EQUIPMENT INTENDED FOR DEMOLITION, COORDINATE WITH THE ELECTRICAL TRADE TO ENSURE THAT POWER SUPPLIES AND DISCONNECT SWITCHES ASSOCIATED WITH THE EQUIPMENT ARE SHUT-OFF AND DISCONNECTED.
- 22. TEMPORARY SHUTDOWNS OF SERVICE OF EXISTING ELECTRICAL, STEAM, HEATING, AIR CONDITIONING AND VENTILATION SYSTEMS SHALL BE PERFORMED WITH A MINIMUM OF DISRUPTION OF SERVICE, HELD TO AN ABSOLUTE MINIMUM DURATION OF TIME, AND ONLY AFTER HAVING NOTIFIED THE BUILDING OPERATIONS MANAGEMENT AT LEAST TWO WEEKS IN ADVANCE AND HAVING RECEIVED THEIR PERMISSION IN WRITING, AT LEAST TWO WEEKS PRIOR TO THE SCHEDULED SHUTDOWN. COMMUNICATIONS SHALL BE RELAYED THROUGH THE PROJECT OFFICER.
- 23. PROVIDE EQUIPMENT MAINTENANCE MANUALS AND REQUIRED EQUIPMENT LABELS FOR ALL MECHANICAL, ELECTRICAL AND SERVICE HOT WATER HEATING EQUIPMENT. TO THE AUTHORITY WITHIN 90 DAYS AFTER SYSTEM ACCEPTANCE.
- 24. WHERE MANUFACTURERS NAMES AND PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHING OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE THEY SHALL BE DEEMED
- 25. ALL WORK ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN".
- 26. DETAILS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER AND ACCEPTABLE CONSTRUCTION, INSTALLATION OR OPERATION OF ANY PART OF THE WORK AS DETERMINED BY THE ENGINEER, SHALL BE INCLUDED IN THE WORK THE SAME AS IF HEREIN SPECIFIED OR INDICATED.
- 27. THE WORD "PROVIDE" USED ON DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT MEANS "FURNISH AND INSTALL". WHEN ONLY ONE PART OF ACTION IS REQUIRED, EITHER "FURNISH" OR "INSTALL" WILL BE USED ACCORDINGLY (TYP., U.O.W.N.).
- 28. ALL DISCONNECT SWITCHES, STARTERS, AND VARIABLE FREQUENCY DRIVES SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR TO COORDINATE SIZE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR.
- 29. DESIGN LOADS ASSOCIATED WITH HEATING, VENTILATING, AND AIR CONDITIONING HAVE BEEN DETERMINED IN ACCORDANCE WITH ANSI/ASHRAE/ACCA STANDARD 183.



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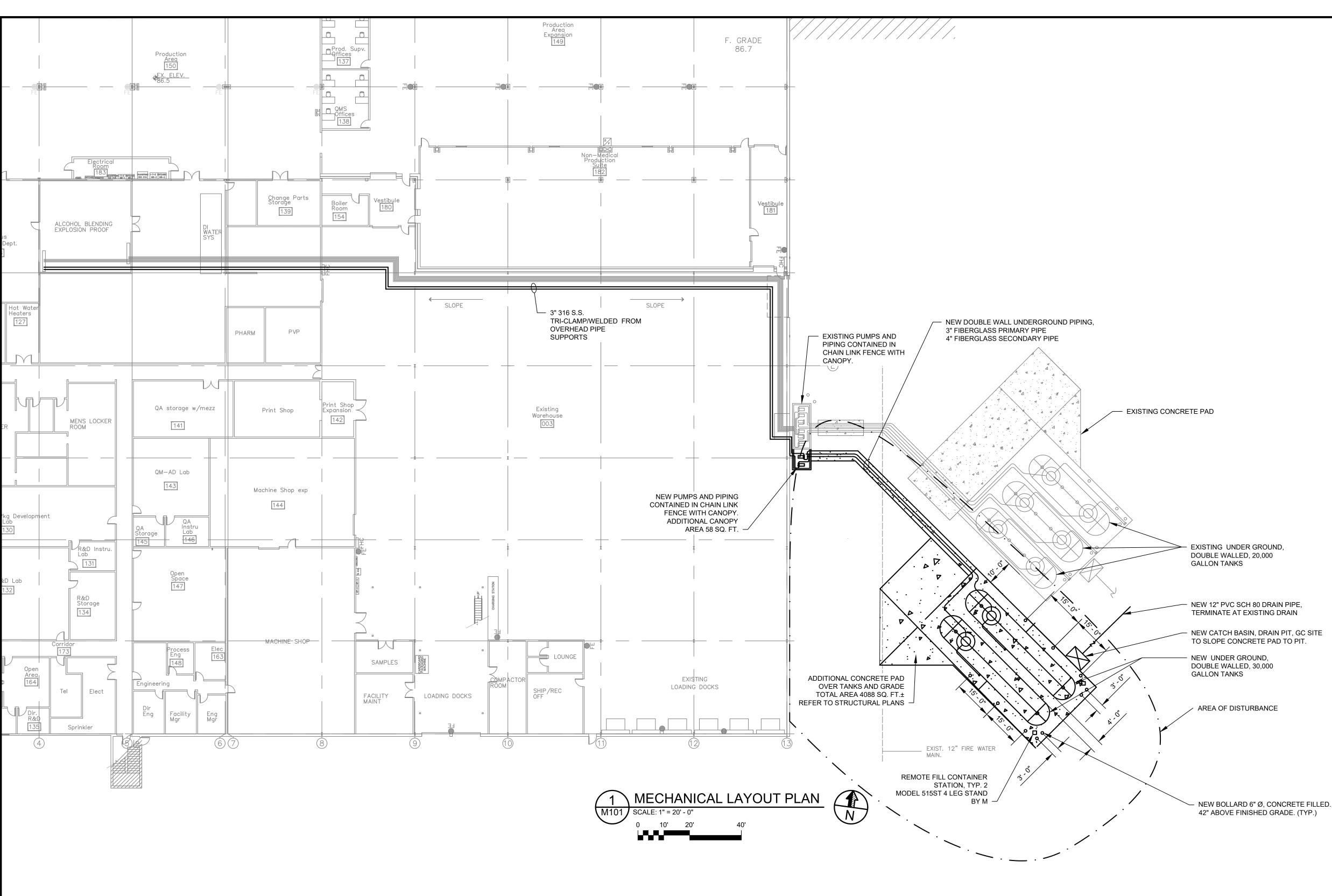
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NOTES:

- FOR GENERAL NOTES SEE DWG.
- 2. ALCOHOL PIPING WILL COMPLY WITH FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
- 3. TANK INSTALLATION WILL COMPLY WITH FEDERAL, STATE AND LOCAL CODES AND REGULATIONS. 4. EXPOSED PIPING SHALL BE PROTECTED AGAINST MECHANICAL DAMAGE & SHALL BE ADEQUATELY SUPPORTED WITH RIGID METAL FASTENERS OR HANGERS.
- 5. UNDERGROUND STORAGE TANKS SHALL BE PURCHASED BY OWNER, CONTRACTOR TO COORDINATE DELIVERY, OFF LOAD AND STORE TANKS ON SITE.
- 6. EMERGENCY EXITS TO BE KEPT CLEAR AT ALL TIMES.
- 7. ALL PUMP DUNNAGE, TO BE 304 STAINLESS STEEL. SEE STRUCTURAL DWG'S.
- 8. MARK ALL NEW ABOVEGROUND PRODUCT PIPING WITH FLOW DIRECTION & PIPE IDENTIFICATION TAPE.
- SUBMIT MARKING TAPE MANUFACTURER'S PRODUCT DATA TO OWNER FOR APPROVAL PRIOR TO
- 9. STORAGE TANKS MUST HAVE A VENT LINE A MINIMUM OF 3 INCHES IN DIAMETER. VENT PIPES SHALL BE PROVIDED WITH AN APPROVED WEATHERPROOF HOOD HAVING A FREE AREA OF AT LEAST THE PIPE
- SIZE AREA. VENT PIPES SHALL TERMINATE AT LEAST 12 FT ABOVE OPERATING LEVEL. 10. ALL REMOTE FILL, PRODUCT AND VENT PIPING SHALL BE INSTALLED WITH A MINIMUM SLOPE OF 1/8

- 11. ALL METAL PIPING, FITTINGS, VALVES, ETC INSTALLED ABOVE GRADE AND/OR IN TANK SUMP SHALL BE A270 STAINLESS STEEL 316L SANITARY TUBING 20-25 RA WITH 32 RA EXT. FINISH. ALL MECH. POLISHED,
- NO ELECTRO-POLISH. ALL FITTINGS AND TUBE TO BE ORBITAL BUTT WELDED. ASTM A270, ASME-BPE, 12. ALL UNDERGROUND PIPING SHALL BE SMITH FIBERGLASS RED THREAD II OR AMERON BONDSTRAND
- 13. INSTALLATION OF TANKS, HOLD DOWN STRAPS, ANCHORAGE, (DEADMEN) ETC. SHALL BE IN STRICT ACCORDANCE WITH THE TANK MANUFACTURER'S INSTRUCTIONS.
- 14. WHERE MANUFACTURER'S INSTRUCTIONS DIFFER FROM CONTRACT DOCUMENTS, USE THE MOST STRINGENT WITH THE APPROVAL OF THE ENGINEER.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS, INCLUDING PRIOR TO SUBMISSION OF BID. ANY DISCREPANCIES NOTED BETWEEN AND CONTRACT DOCUMENTS AND EXISTING CONDITIONS. SHALL BE BROUGHT TO THE ATTENTION OF THE C.M. OR D.C. IN WRITING PRIOR
- TO SUBMISSION OF THE BID. 16. CONTRACTOR TO SUBMIT SHOP DRAWINGS ON ANY REPAIRS REQUIRED TO EXISTING STRUCTURE(S)
- FOR OWNER/ENGINEERS APPROVAL. 17. FOR SOIL BORING AND GROUNDWATER MONITORING WELL DATA, SEE CONTRACT DOCUMENTS.
- INCH PER FOOT DOWNWARD TOWARDS THE TANK WITHOUT ANY SAGS OR LOW POINTS IN THE PIPING 18. THE CONTRACTOR SHALL DESIGN AND INSTALL ALL TEMPORARY BARRIERS, PROTECTED WALKWAYS, AND SAFETY AND DIRECTIONAL SIGN FOR USE DURING CONSTRUCTION ACTIVITIES. TANK CONTRACTOR IS TO SUBMIT TO THE C.M. OR D.C. DETAILS FOR APPROVAL PRIOR TO THE START OF WORK. THE GOAL IS TO PROTECT STAFF AND VISITORS, TO VISUALLY SCREEN CLUTTERED AND
 - UNSIGHTLY CONSTRUCTION AREAS AND TO PROVIDE PERTINENT INFORMATION ABOUT THE PROJECT. ALL VALVES TO BE TOPLINE 32 RA STD. SANITARY FINISH OR EQUAL.
 - 20. ALL ABOVE GRADE PIPE CONNECTIONS TO BE TRI-CLAMP (HI-PV)
 - 21. PVC SOLID WALL SEWER PIPE TO BE ASTM D3034, SDR35 22. SUBMIT SHOP DRAWINGS, CUTS ON THE FOLLOWING PRIOR TO CONSTRUCTION AND/OR FABRICATION.
 - A. UNDERGROUND STORAGE TANK AND SYSTEM
 - B. UNDERGROUND PIPING AND SYSTEM C. ALL TANK AND PIPE FITTINGS AND SPECIALTIES
 - D. TANK AND PIPING LAYOUTS
 - E. PUMPS AND MOTORS F. ABOVE GROUND PIPING AND FITTINGS
 - G. HANGERS
 - H. TAGS AND IDENTIFICATION
 - I. TANK AND PIPING TESTS AND CERTIFICATIONS

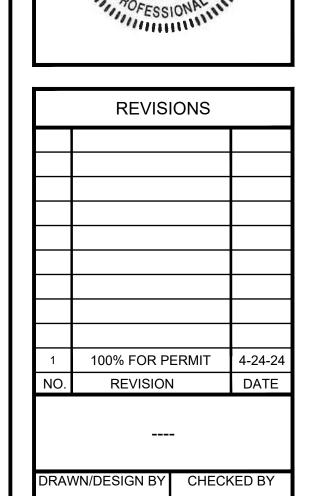
TESTING REQUIREMENTS:

- 1. INSTALL ALL THE PIPING IN SUCH A WAY AS TO FACILITATE TESTING OF THE PIPE
- WITH THE EQUIPMENT INSTALLED AND VALVED OFF. 2. THE PIPING WILL HAVE A VALVE AND TEE INSTALLED IN THE SUPPLY SIDE AND THE SUCTION SIDE OF THE PUMP TO ALLOW A PRESSURE GAUGE AND ISOLATION
- VALVE TO BE INSTALLED AND ALL VALVES SHALL BE FLANGED
- TEST THE TANKS AND PIPING WITH AIR . 4. A TEST PRESSURE OF (MANUFACTURE TO DETERMINE) PSI AND SHALL MAINTAIN
- THAT PRESSURE FOR A PERIOD OF TW0 (2) HOURS,
- 5. AIR TESTS REQUIRED:
- A. PRIMARY TANK AND PIPING SYSTEM TEST. (3 PSI) B. SECONDARY (INTERSTITIAL SPACE) TANK AND PIPING TEST. (3 PSI)
- C. TANK TEST, BOTH PRIMARY AND SECONDARY. (3 PSI)
- D. PIPING TEST, BOTH PRIMARY AND SECONDARY. (3 PSI)

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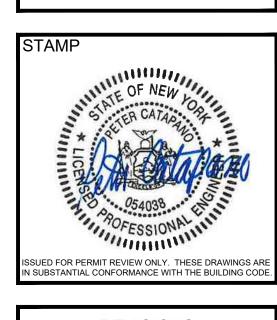
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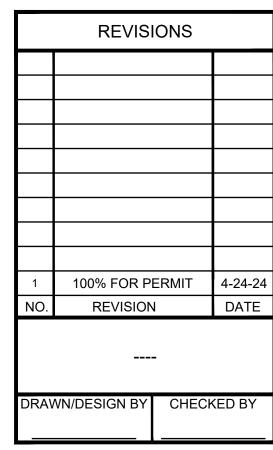
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MECHANICAL DETAILS

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LPD STORAGE

CAPACITY

UPGRADE

TWO NICE-PAK PARK

ORANGEBURG, NY 10962

GRADE

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CAPACITY
UPGRADE
TWO NICE-PAK PARK
ORANGEBURG, NY 10962

ORANGEBURG, NY 10

TWO NICE-PAK PARK, ORANGEBURG, NY 10962

REVISIONS

REVISIONS			
1	100% FOR P	ERMIT	4-24-24
NO.	O. REVISION		DATE
DRAWN/DESIGN BY CHECKED BY			

U.S.T. 9 SYSTEM SCHEMATIC

GPI PROJECT/CONTRACT NO.:

M104

SHEET OF 3