NOTES

THIS PLAN IS PRELIMINARY AND NOT FOR CONSTRUCTION OR PERMIT PURPOSES.

STEEL BUILDING 130 FT X 106 FT WITH 24 FT CEILING CLEARANCE TO BOTTOM RAFTERS IN WAREHOUSE AND 10 FT CEILING CLEARANCE IN OFFICE SECTION

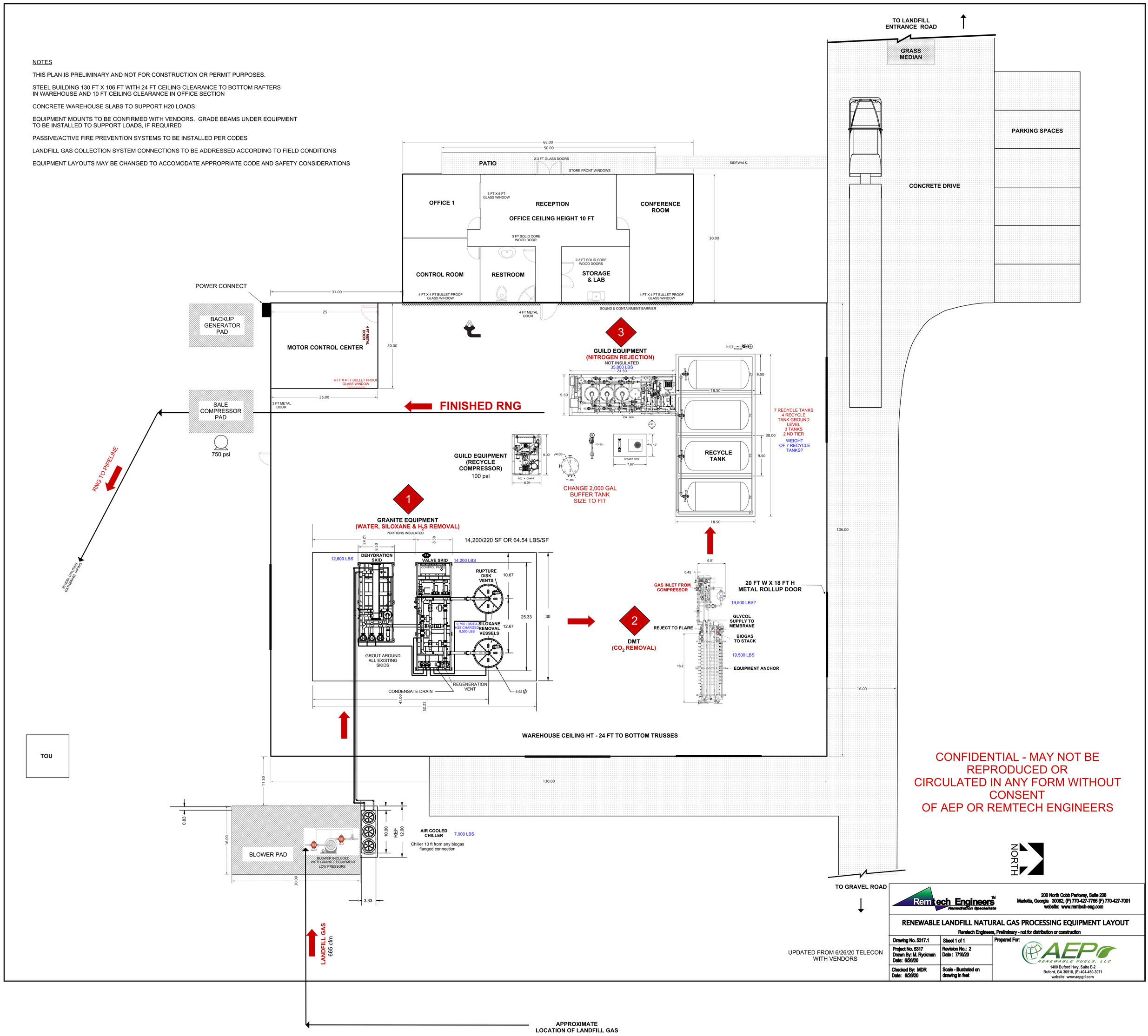
CONCRETE WAREHOUSE SLABS TO SUPPORT H20 LOADS

EQUIPMENT MOUNTS TO BE CONFIRMED WITH VENDORS. GRADE BEAMS UNDER EQUIPMENT TO BE INSTALLED TO SUPPORT LOADS, IF REQUIRED

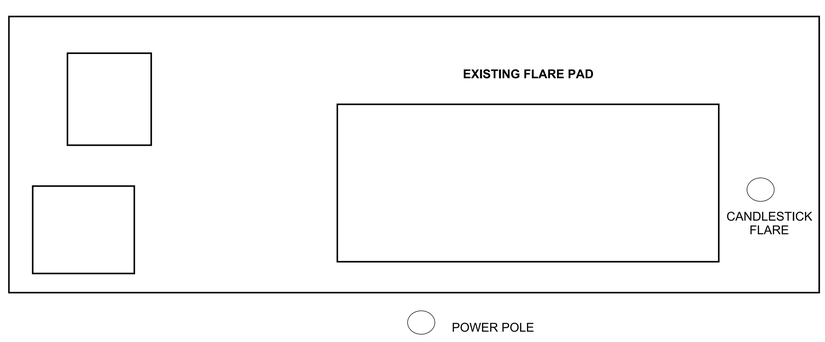
PASSIVE/ACTIVE FIRE PREVENTION SYSTEMS TO BE INSTALLED PER CODES

LANDFILL GAS COLLECTION SYSTEM CONNECTIONS TO BE ADDRESSED ACCORDING TO FIELD CONDITIONS

EQUIPMENT LAYOUTS MAY BE CHANGED TO ACCOMODATE APPROPRIATE CODE AND SAFETY CONSIDERATIONS



CONFIDENTIAL - MAY NOT BE REPRODUCED OR CIRCULATED IN ANY FORM WITHOUT CONSENT OF AEP OR REMTECH ENGINEERS



QUESTIONS:

VERIFY SIZE AND WEIGHTS OF ALL SKIDS, DMT SKID DIFFERENT THAN DRAWN?
WHERE IS H2S ON GRANITE FUELS DRAWING?
ESTIMATED HAZARD ZONE 50 YARDS SHATTERED GLASS, ALOHA
BLDG - 413,400 CF; 6 AIR EXCHANGES 2,480,400 CF/HR (41,340 CFM) TO 9,921,600 SF/HR (165,360 CFM)
@ 6 BLOWERS - 27,560 CFM; @ 8 BLOWERS - 20,670 CFM; 10 BLOWERS - 16,536 CFM (3K EA)
VENTILATION 6 TO AIR EXCHANGES PER HOUR TO 24,VARIABLE SPEED FANS, DAMPERS, NOISE CONROL
CH4 ALARM **1,000 PPM** NIOSH TWA, 20% (10,000 PPM) TO 40% (60,000 PPM) LEL SHUTDOWN, LEL 5% - UEL 15%
50,000 TO 150,000 PPM EXPLOSIVE 500,000 PPM ASPHYATION, MOUNT DETECTORS OVER EQUIPMENT AT NEAR CEILING METHANE LIGHTER THAN AIR
NITROGEN TANK - OXYGEN SENSOR, H2S SENSOR?
FLAME & THERMAL DETECTORS?
NEED PID FROM VENDORS TO INTERCONNECT ALL UNIT OPERATION WITH INPUTS AND OUTPUTS
NOISE FROM COMPRESSORS 80 TO 90 DB 3 FT FROM COMPRESSORS, 55 DB LIMIT AT HOUSES
NOISE, TREES, INSULATION, MUFFLERS SOUND PANELS OR ENCLOSURES, 80 TO 90 DB
HEAT FROM EQUIPMENT AND MINIMAL OPERATING TEMP
PASSIVE CH4 AND THERMAL AND VENTILATION, BLAST WALLS
PIPING TRENCHES AND GRATING
RNG PIPELINE BURRIAL DISTANCE - 6 to 8 FT?
BACKUP GENERATOR OR BATTERY BACKUP FOR SENSORS AND SHUT DOWN
TOX OR WASTE GAS CANDLE STICK?
FIND OUT AMOUNT OF GAS PROCESSED AND MODEL BLAST DISTANCES
PIPING CONNECTIONS ASME CODE
FOOTINGS AND EQUIPMENT SUPPORT
CLEARENCE FOR FORKLIFTS, VERTICAL AND HORIZONTAL
STORAGE OF MEDIA
FIELD LAB - COMBINE WITH STORAGE?
STORAGE OF SPARE PARTS
CONTROLS AND ALARMS ON EQUIPMENT
EMERGENCY SHUT DOWNS ON GAS FROM LANDFILL, PLANT SHUT DOWNS,
SHUT DOWN OF GAS SUPPLY, VALVES CLOSED, FLAME ARRESTORS ARE ONE DIRECTION
FIRE FROM LANDFILL AND FIRE FROM PLANT, **TURN OFF POWER SUPPLY TO PREVENT FIRE**
DEFINE UTILITIES, POWER, WATER, SEWER
DEFINE LANDFILL CONNECTIONS TO PLANT AND FLARE SPECS, BLOWER, CANDLESTIC
TO SEE IF CAN BE USED FOR PLANT FEEDS
DEFINE ALL COMPRESSORS ON EQUIPMENT AND GAS AND LIQUID DISCHARGES AND LOCATIONS AND CHARACTERIZATION
SIZE OF GAS PIPELINE

IDENTIFY SUBS
IDENTIVY MECHANICAL AND ELECTRICAL ENGINEERS
DRAWINGS FROM STEEL BUILDINGS
PROPERTY LINE SURVEY WITH CONTOURS
GROUNDING GRID