



STAINLESS STEEL OR ALUMINUM UNI-STRUT CHANNEL HORIZONTAL SUPPORTS-TYP. - LIGHT FIXTURE MOUNTED TO RACK SUPPORT. TYPICAL OF TWO (2). RECEPTACLE FOR PORTABLE \_\_\_L\_\_\_ GENERATOR -PANEL 'P' PUMP CONTROL 4"x4" GALVANIZED TUBE STEEL VERTICAL SUPPORTS-TYP. PANEL 'H' WEATHERPROOF SWITCH \_\_\_\_\_ SEAL FITTING -PVC COATED CONDUITS TRANSF. TO WET WELL AS REQUIRED -WEATHERPROOF NEMA 3R GFCI RECEPTACLE + 2" RIGID STEEL CONDUIT ------FINISHED GRADE VERTICAL SUPPORTS TO BE BURIED, MINIMUM OF 3' DEEP — TYPICAL.
VERIFY THAT SUPPORT IS NOT INSTALLED
DIRECTLY OVER BURIED LIFT STATION PIPING.— 2"PVC SCH. 40 TO TRANSFORMER. 2"PVC FOR TELEPHONE REF: 2/E1, & 1/E3. CONDUIT ADAPTER CONDUIT ADAPTER RIGID STEEL ELBOW :

2 ELECTRICAL RACK DETAIL
NOT TO SCALE

NOTE: ALL CONDUIT SHALL BE RIGID GALVANIZED STEEL, UNLESS NOTED OTHERWISE. LIQUID—TITE FLEXIBLE METAL CONDUIT MAY BE USED FOR CONDUIT CONNECTIONS TO DRY TYPE TRANSFORMER ONLY. PROVIDE PHENOLIC LABELS ON ALL EQUIPMENT TO INDICATE NAME OF EQUIPMENT.

## NEMA 3R SERVICE EQUIPMENT

PANEL H	INTE	OO AM GRATI	ED E	QUII	PMEI				) AM	PS	MAIN	CIRCUIT BREAK	ER	
SERVES	FEEDER	TRIP	ØA	KVA øB	øС		and the second s	ØA	KVA øB	Terminanian	TRIP	FEEDER	SERVES	
XFMR TRP	34"C-2#10,#10G	25				1 3	2	22.1			125/	0,00 7.114 (0.1160	DIMP CONTROL DA	A. 15"1
SPACE SPACE				0.2		5 7	6			22.1	/_3	2"C-3#1/0,#6G	SPACE	ANEL
SPACE SPACE						9 11	10 12						SPACE SPACE	

NEMA 3R

PANEL F 120/240 VOLTS	INTE	OO AM GRATE ASE	ED E	QUII	PME		RATI		MAII	N CIRCUIT BRE.	AKER
SERVES	FEEDER	TRIP		/A øC			K\ ØA	parameter	TRIP	FEEDER	SERVES
RACK LIGHTS		20-1	0.2		1	2		grebuscones.	NATION AND DESCRIPTION OF THE PERSON OF THE		SPACE
RECEPTACLE		20-1		0.2	3	4					SPACE
SCADA RTU		20-1	0.2		5	6				2000	SPACE
SPARE		20-1			7	8					SPACE

INITIAL LOAD - 10HP PUMPS

LOAD DESCRIPTION	CONNECTED LOAD KVA	DEMAND FACTOR	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING	0.2	1.25	0.25	1.0
PUMPS	25.9	1.0	25.9	31.1
GEN. POWER	0.4	1.0	0.4	2.0
TOTAL:	26.5		26.6	31.9

FUTURE LOAD - 30HP PUMPS

LOAD DESCRIPTION	CONNECTED LOAD KVA	DEMAND FACTOR	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING	0.2	1.25	0.25	1.0
PUMPS	73.9	1.0	73.9	88.9
GEN. POWER	0.4	1.0	0.4	2.0
TOTAL:	74.5	-	74.6	91.9

LIG	HTING FIXTURE SCHEDUL	September 1
TYPE	DESCRIPTION	LAMPS
С	FLUORESCENT WET LOCATION VAPORPROOF LIGHTING FIXTURE WITH CLEAR GLASS GLOBE. 120V.  CANLET #GFWF-26H1-GGSC	(1) 26W CPF

GENERAL ELECTRICAL NOTES:

1. GROUNDING CONDUCTORS SHALL BE INSTALLED WITH ALL FEEDERS & BRANCH CIRCUITS.

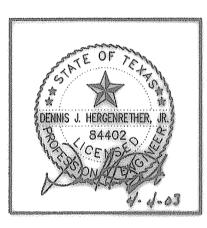
2. CONDUCTORS SHALL BE COPPER, TYPE THW OR THWN.

3. ELECTRICAL SYSTEM SHOWN IS FOR 480V UNGROUNDED DELTA SYSTEM. CONTRACTOR SHALL FIELD VERIFY THAT THIS IS THE SYSTEM THE UTILITY CO. IS PROVIDING AND INSTALL GROUNDED CONDUCTOR WITH SERVICE IF A GROUNDED WYE IS PROVIDED.

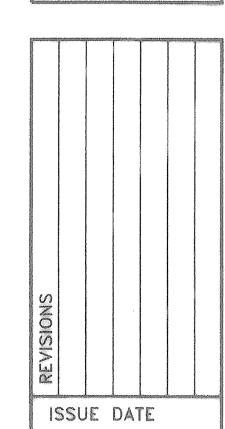
4. CONDUCTOR SIZES INDICATED ARE MINIMUM ALLOWED. INCREASE SIZE AS REQUIRED TO ACCOUNT FOR VOLTAGE DROP.

RECORD DRAWINGS January 27, 2004
NOTE: THE INTENT OF THE OWNER AND
ENGINEER WAS TO CONSTRUCT THE
IMPROVEMENTS ACCORDING TO THESE
PLANS AS APPROVED BY THE CITY OF
ROCKWALL. THE LINES AND GRADES
WERE SET ON THE GROUND FOR
CONSTRUCTION ACCORDING TO SAID
PLANS. WE ARE NOT AWARE OF ANY
CHANGES OR REVISION TO THESE PLANS
DURING CONSTRUCTION EXCEPT AS
NOTED ON THE PLANS.

ENGINEERS, INC
3116 KELLWAY DRIVE, SUITE 102



CKORY RUGE LIFT STATIO



SHEET NO.

3-11-03

E3

PLATE NO. 84