

SYMBOL	TYPE	WEIGHT	DIAMETER	HEIGHT	QUANTITY
	CO2	10-LBS	6.8"	22.75"	01

EXTINGUISHER MOUNTED IN WALLS

- A

TANK FOUNDATION
- B

PROVIDE PROPER PIPE SUPPORTS
- C

PRE-THRUS IN WALLS AND PIPE
- D

SLEEVES (BY OTHERS)
- E

ROOM FOUNDATIONS INSIDE THE PUMP
- F

ROOM FOUNDATIONS
- G

PUMP ROOM CONTROLS AND ALL
- H

CONFINEMENT DIKE FOR DIESEL TANK
- I

PUMP FOUNDATIONS (BY OTHERS)
- J

VENTILATION LOUVERS
- K

TANK INFORMATION

- L

ELECTRIC MOTOR JOCKEY PUMP SHP. 460/3/60
- M

ELECTRIC PUMP JOCKEY PUMP SHP. 460/3/60
- N

JOCKEY PUMP CONTROLLER 127V-AC
- O

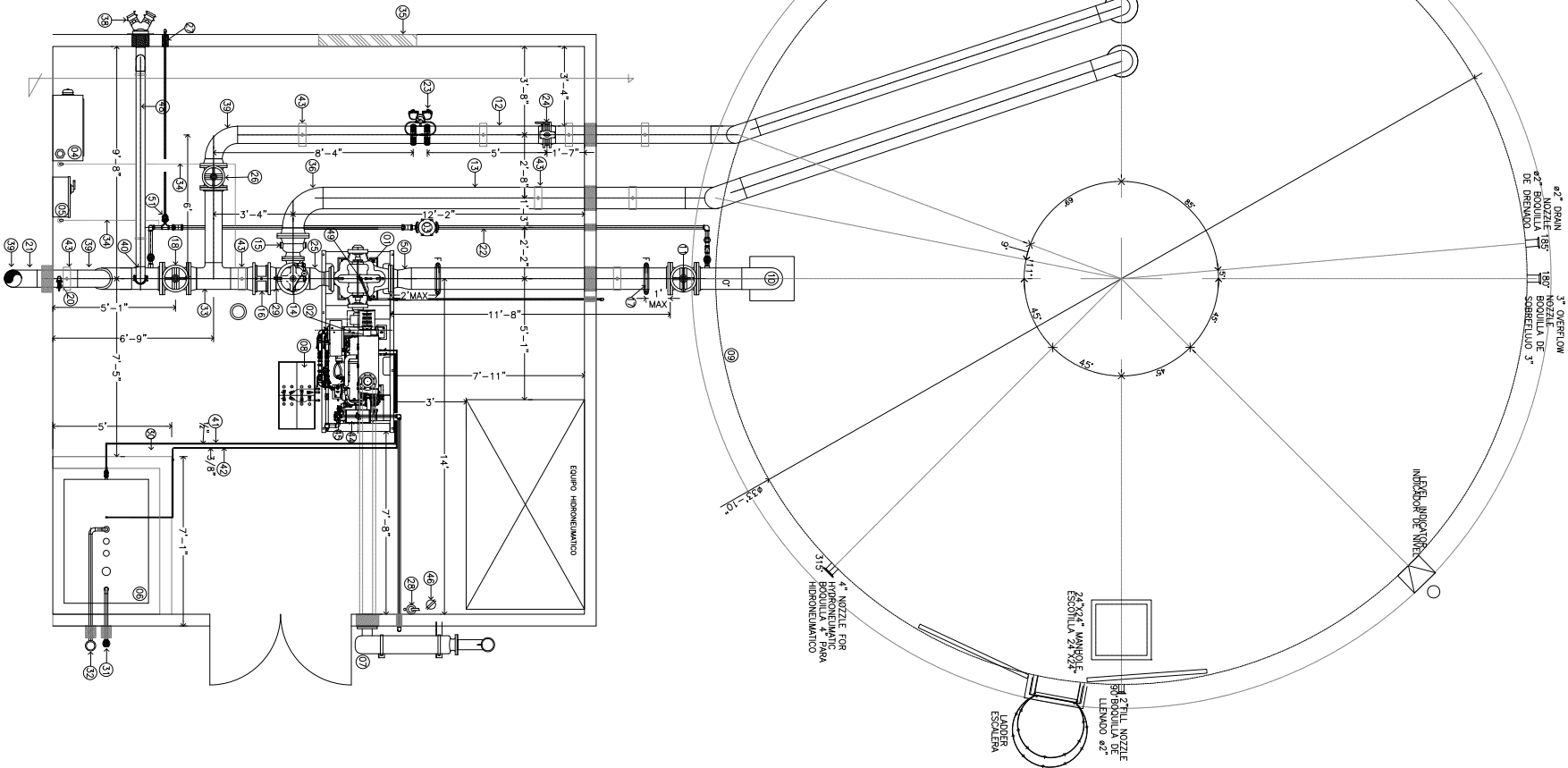
ENCLOSURE CONTROLLER SHALL BE GROUNDED
- P

DIESEL PUMP CONTROLLER 127V-AC
- Q

DIESEL PUMP CONTROLLER 127V-AC
- R

DIESEL TANK SHALL BE GROUNDED
- S

RECEPTACLE 120V



SCALE 1:30

EQUIPMENT DESCRIPTION
HORIZONTAL, SPLIT-CASE, CENTRIFUGAL, TYPE, FIRE PUMP, 2,000-GPM AT 135-PSI, RATED
CW-ROTATION, PATTERSON PUMP MODEL, 846 TS, 125 # FLANGES UL-LISTED & FM-APPROVED FOR
FIRE PROTECTION, DIESEL ENGINE DRIVEN, CLARKE MODEL, J08H-UFAS0, 260-HP @ 2,100-RPM
LISTED FOR FIRE PROTECTION, INCLUDE CONTROLLER, FIREHOL MODEL, 1100--412N-N31 AND ALL
STANDARD ACCESSORIES.
PRESSURE MAINTENANCE, JOCKEY PUMP, 20-GPM AT 145-PSI, GROUNDED, PUMP MODEL,
PATTERSON MODEL, FTAS50F-40009B, 460/3/60 VOLTS, INCLUDE RELIEF VALVE 3/4".
STEEL TANK, TASCOW WATER STORAGE, STEEL BOLTED WATER STORAGE TANK, 33.9' DIAM BY 24.5'
HEIGHT.
NOMINAL CAPACITY OF 184,533 GALL, DESIGNED IN CONFORMANCE WITH ANSI/AWWA D103-97.
1" DOMESTIC WATER, 20,000 GALLONS
2" DOMESTIC WATER, 20,000 GALLONS

- 01

FIRE PUMP, 2,000-GPM @ 135-PSI
- 02

DIESEL ENGINE DRIVEN
- 03

JOCKEY PUMP, 20-GPM @ 145-PSI
- 04

DIESEL FIRE PUMP CONTROLLER
- 05

JOCKEY PUMP CONTROLLER
- 06

360 GALL DIESEL TANK
- 07

6" INDUSTRIAL WATER METER
- 08

PACK OF BATTERIES
- 09

STEEL BOLTED TANK
- 10

10" SUPPLY ELBOW W/VORTEX PLATE, 20"
- 11

10" SUPPLY NOZZLE W/0.5&4", GATE VALVE
- 12

8" PIPE
- 13

10" RETURN PIPE - RELIEF VALVE
- 14

6" RELIEF VALVE ANGLE PATTERN
- 15

6"x10" CLOSED WASTE CONE
- 16

10" CHECK VALVE WATER DOUBLE DOOR
- 17

10" FLEXIBLE COUPLING
- 18

10" DISCHARGE GATE VALVE, O&Y
- 19

10" PIPE
- 20

2" RISER VALVE TO SPRINKLER PROTECTION
- 21

PUMP DISCHARGE TO MAINFOLD
- 22

1 1/2" JOCKEY PUMP PIPING CONNECTION
- 23

8" FLOWMETER, 2000 GPM
- 24

8" BUTTERFLY VALVE
- 25

10"x6" CONCENTRIC REDUCER
- 26

8" GATE VALVE
- 27

PPE SLEEVES
- 28

CO2 EXTINGUISHER
- 29

10"x10"x6" TEE
- 30

CONTAINMENT DIKE OF DIESEL LEAK
- 31

PROOF
- 32

1 1/2" FILL FUEL PORT
- 33

NORMAL VENT DIESEL TANK
- 34

10"x10"x8" REDUCER TEE
- 35

3/4" PRESSURE SENSING LINES
- 36

LOUVERS
- 37

ELBOW, 10" DIAM
- 38

CHECK VALVE, 4" DIAM
- 39

FIRE DEPARTMENT CONNECTION, 4" DIAM
- 40

ELBOW, 8" DIAM
- 41

ELBOW, 4" DIAM
- 42

3/4" PIPE FOR SUPPLY
- 43

3/8" FOR RETURN FUEL
- 44

PPE SUPPORT
- 45

ENGINE HEATER
- 46

RECEPTACLE FOR MAINTENANCE
- 47

SPRINKLER UPRIGHT, K-8.0 FACTOR
- 48

4" PIPE FIRE DEPARTMENT CONNECTION
- 49

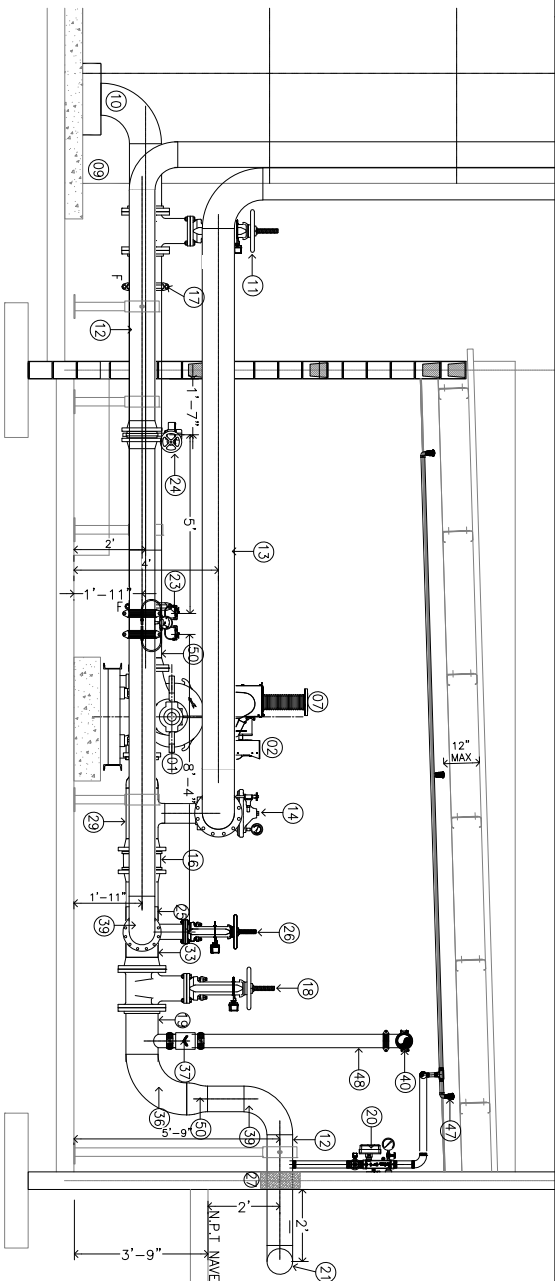
AUTOMATIC FAP RELEASE VALVE
- 50

10"x8" EXCENTRIC REDUCER
- 51

3/4" PRESSURE RELIEF VALVE

3 SECTION VIEW A-A'

SCALE 1:30

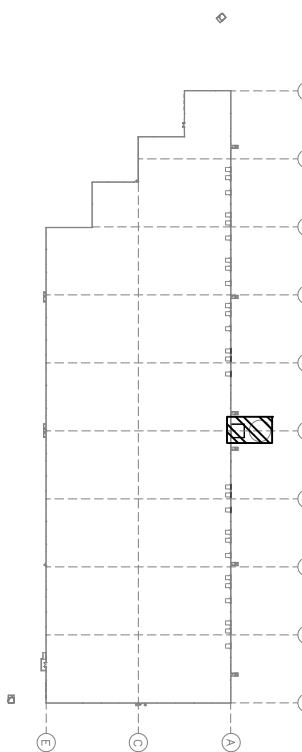


4 NOZZLE LOCATION

5 KEYPLAN

NO SCALE

NOZZLE	DIAM	LOCATION	OBSERVATION
RETURN	10"	270°	HILLSIDE NOZZLE
FILL	2"	90°	STANDARD HEIGHT
HYDRONEUMATIC	4"	315°	20'
DRAIN	2"	180°	AT BOTTOM
SUCTION	10"	0°	STANDARD HEIGHT
OVERFLOW	3"	180°	STANDARD HEIGHT
RETURN	8"	270°	HILLSIDE NOZZLE



Revisions/Revisions

No.	Date	Description	Revision
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Firma de Aprobación Signed Approval

Projector/Project
Fecha/Date
Dibujado/Drawn by
Revisado/Checked by
Aprobado/Approved by
Paraf/For

FIRE PROTECTION SYSTEM PUMP ROOM

FPS-02

Escala/Scale : Indicada / Indicated