JAL 07-10-14 TITLE

JAL 07-11-14

SJC 07-14-14

-0" U/N GRE. Z N AT DIAMOND COVE
MCKINLEY COURT
REAT DIAMOND ISLAND
PORTLAND, MAINE ND. DF SPRINKLERS
SHOWN ON THIS SHEET ND. OF SPRINKLERS
ON JOB

537

CONTRACT ND.

C14017

SYSTEM DESIGN

DRY PIPE SYSTEM OF AUTOMATIC SPRINKLERS TO BE
DESIGNED AND INSTALLED PER NFPA 13R
SPRINKLERS TO BE BASED ON LIGHT HAZARD

LASS I STANDPIPE DESIGNED AND INTSALLED PER NFPA 14

CLASS

GENERAL NOTES

ALL DIMENSIONS ARE CENTER TO CENTER U/N

ALL THREADED PIPE TO BE SCH. 40 BLACK STEEL

ALL SCREWED FITTINGS TO BE STD. WT. C.I. BLACK U/N

ALL GROOVED PIPE TO BE SCH 10 BLACK STEEL

ALL OTHER PIPING TO BE CPVC PLASTIC

ALL OTHER FITTINGS TO BE CPVC PLASTIC

DRY SYSTEM CAPACITY IS 343 GALLONS

FF K=XX FIN FLR TO CENTERLINE OF PIPE

C K=XX CEILING TO CENTERLINE OF PIPE

TJ K=TOP OF JOIST TO CENTERLINE OF PIPE

BJ K=BOTTOM OF JOIST TO CENTERLINE OF PIPE

BB K=BOTTOM OF BEAM TO CENTERLINE OF PIPE

ELEV K=CIVIL ELEVATION OF CENTERLINE OF PIPE

PROTECTION,

HANGER RISE OR DROP NIPPLE VICTAULIC COUPLING

 $\bigstar \odot \bigcirc \bigcirc \bigcirc \bigtriangledown$ 

LEGEND

155°F RES 1/2" WHITE SIDEWALL

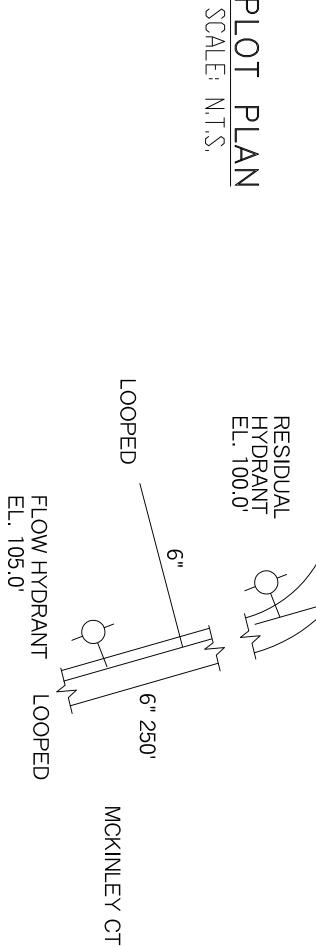
155°F QR 1/2 BRASS PENDENT

155°F QR 1/2 BRASS UPRIGHT

155°F RES 1/2" WHITE RECESSED PENDENT

155°F QR 1/2" WHITE RECESSED PENDENT





FLOW = 604 GPM

DATE = 06-24-13

TYPE = TWO HYDRANT

LOCATION = MCKINLEY CT

SOURCE = FAY, SPOFFORD, & THORNDIKE

25' 4" DICL

4" 25'

COLT 200 BACKFL

LOW W/ TAMPERS

SYSTEM GAGES

4" SPLIT FLANGE

TYCO DPV1
4" DRY PIPE VALVE
W/ ALARM TRIM
LOW AIR SWITCH AND MAINTENANCE
DEVICE W/ BYPASS VALVE
4" GROOVED BUTTERFLY VA
2" DRAIN VALVE
PIPED OUTSIDE
4" x 0'-10" NIPPLE
3/4 HP AIR COMPRESSOR

4" UNDERGROUND BY

OTHERS

RISER

SCAL

1 1/4" TEST & DRAIN VA SYSTEM GAGES FLOW SWITCH 4" X 3" GROOVED MT 4" X 3" GROOVED MT 4" ELL TO FDC 4" x 3'-2" NIPPLE

3" TO WET SYSTEM #2

PRESSURE SWITCH FOR LOW AIR ALARM

4" TO DRY SYSTEM #1

CAP

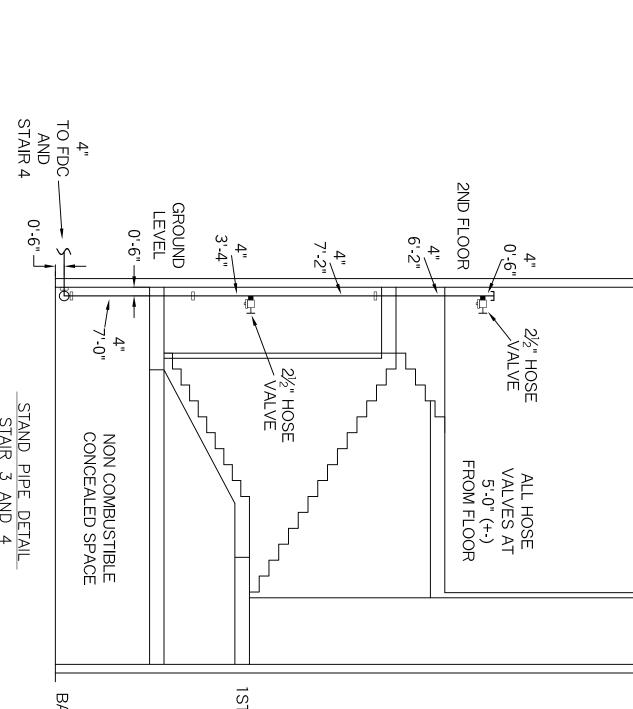
STATIC RESIDUAL = 27.5 PSI = 81PSI WATER SUPPLY INFO

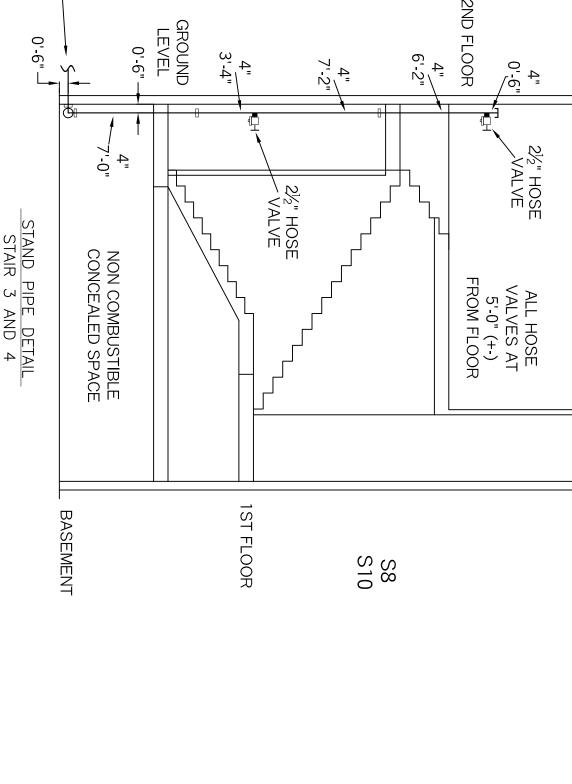
EXISTING BUILDING F.F.EL. 100.0'



CROSS

SECTION





PLAN NORTH

## NOTE: QF BEAM CLAMP TO STEEL JOIST AND/OR BEAM FLANGES BE ATTACHED TO

ANGLE

HANGE NOT OT DET/ SCALE

3/8" 3/8" 3/8" ADJUSTABLE SWIVEL ANTI SURGE CLIP MACHINE THREAD BEAM CLAMP ROD RING