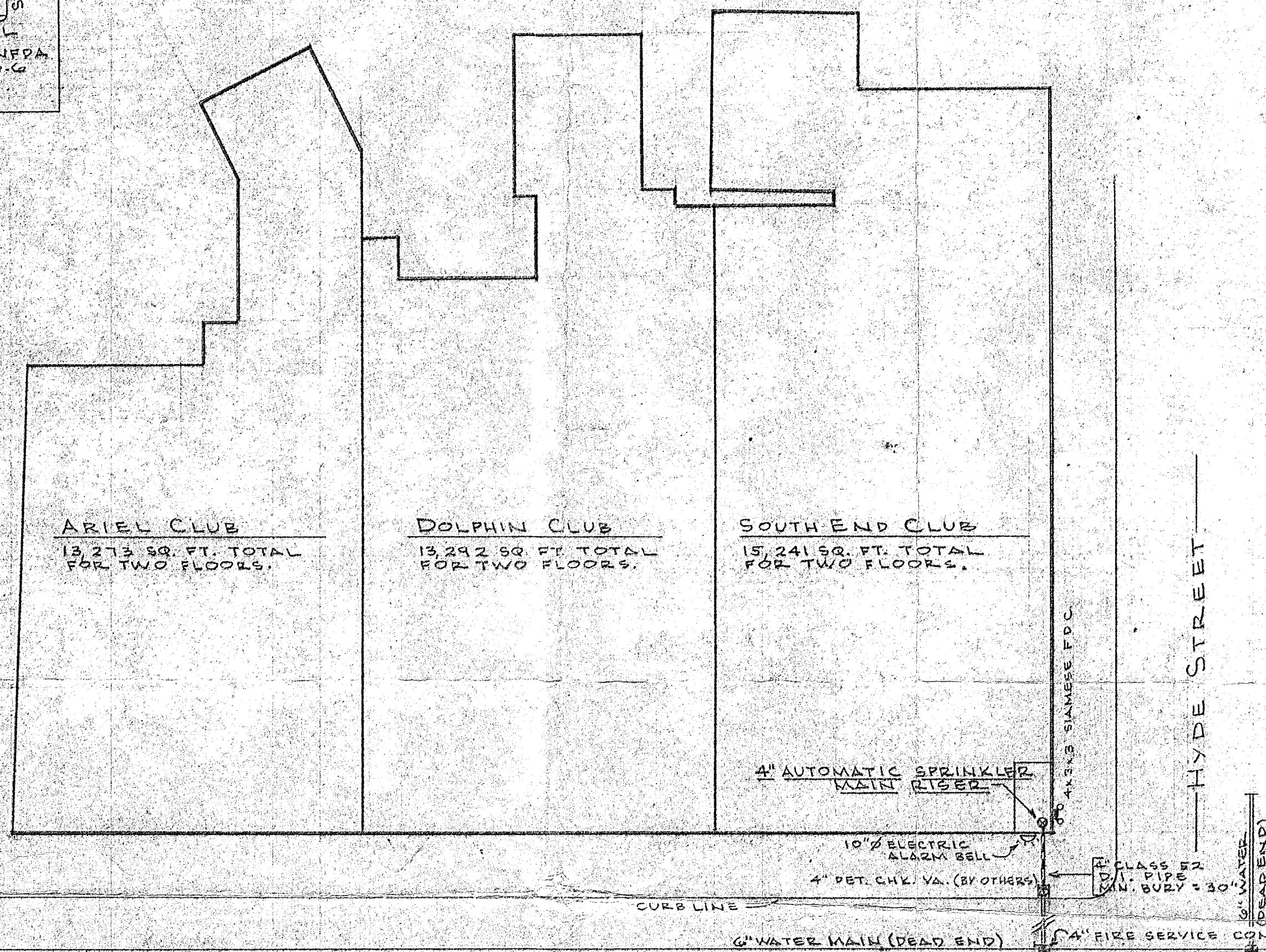
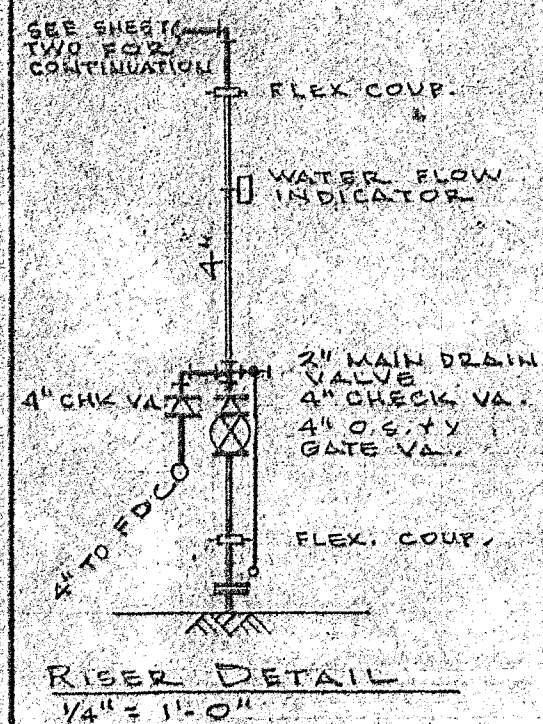
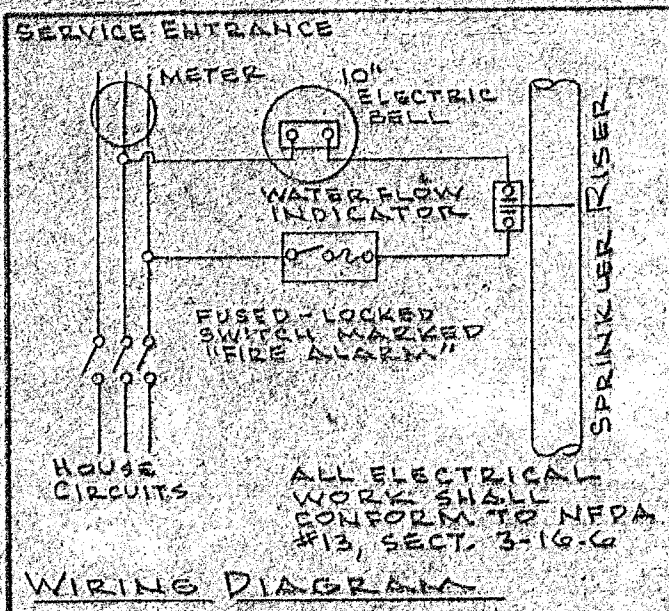
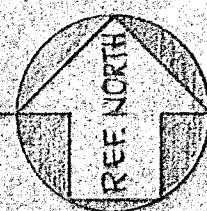




UNDERGROUND & SITE PLAN
SCALE: 1" = 20'



SYSTEM DESIGN SPECIFICATIONS

- 1) LIGHT HAZARD PIPE SCHEDULE IN ACCORDANCE WITH NFPA #13 (1974) EXCEPT ALL KITCHEN, STORAGE AND UTILITY ROOMS, AND WORKSHOP SHALL BE ORDINARY HAZARD.
- 2) SPRINKLERS SHALL BE INSTALLED THROUGHOUT THE THE STRUCTURE INCLUDING ALL ATTICS, MEZZANINES AND STAIRWELLS.
- 3) NO UNDERFLOOR SPRINKLERS SHALL BE INSTALLED.
- 4) SEE SHEETS 2 AND 3 OF 3 FOR OVERHEAD PIPING LAYOUT.

WATER SUPPLY SUMMARY

- 1) RESIDUAL PRESSURE AT HIGHEST SPRINKLER 15.0 PSI
 - 2) ELEVATION HIGHEST SPRINKLER 35' 15.2
 - 3) FRICTION LOSS THRU 4" D.I. UNDERGROUND: .106 PSI/FT.
I.D. = 4.09" C = 140 FLOW = 750 GPM
RUN = 30' E = 4' CV = 22' GV = 2' T = 11' EQUIV. = 7.5
 - 4) FRICTION LOSS THRU 6" C.I. DEAD END: .065 PSI/FT.
I.D. = 5.89" C = 70 FLOW = 750 GPM
RUN = 50' T = 22' EQUIVALENT = 4.7
- PRESSURE REQUIRED AT 750 GPM 42.4 PSI
- 5) PRESSURE AVAILABLE AT 750 GPM 64.8 PSI

FLOW TEST: 8-26-80
STATIC: 75 PSI
RESIDUAL: 57 PSI
FLOW: 1027 GPM

FLOW TEST: 8-26-80
STATIC: 74 PSI
RESIDUAL: 61 PSI
FLOW: 905 GPM

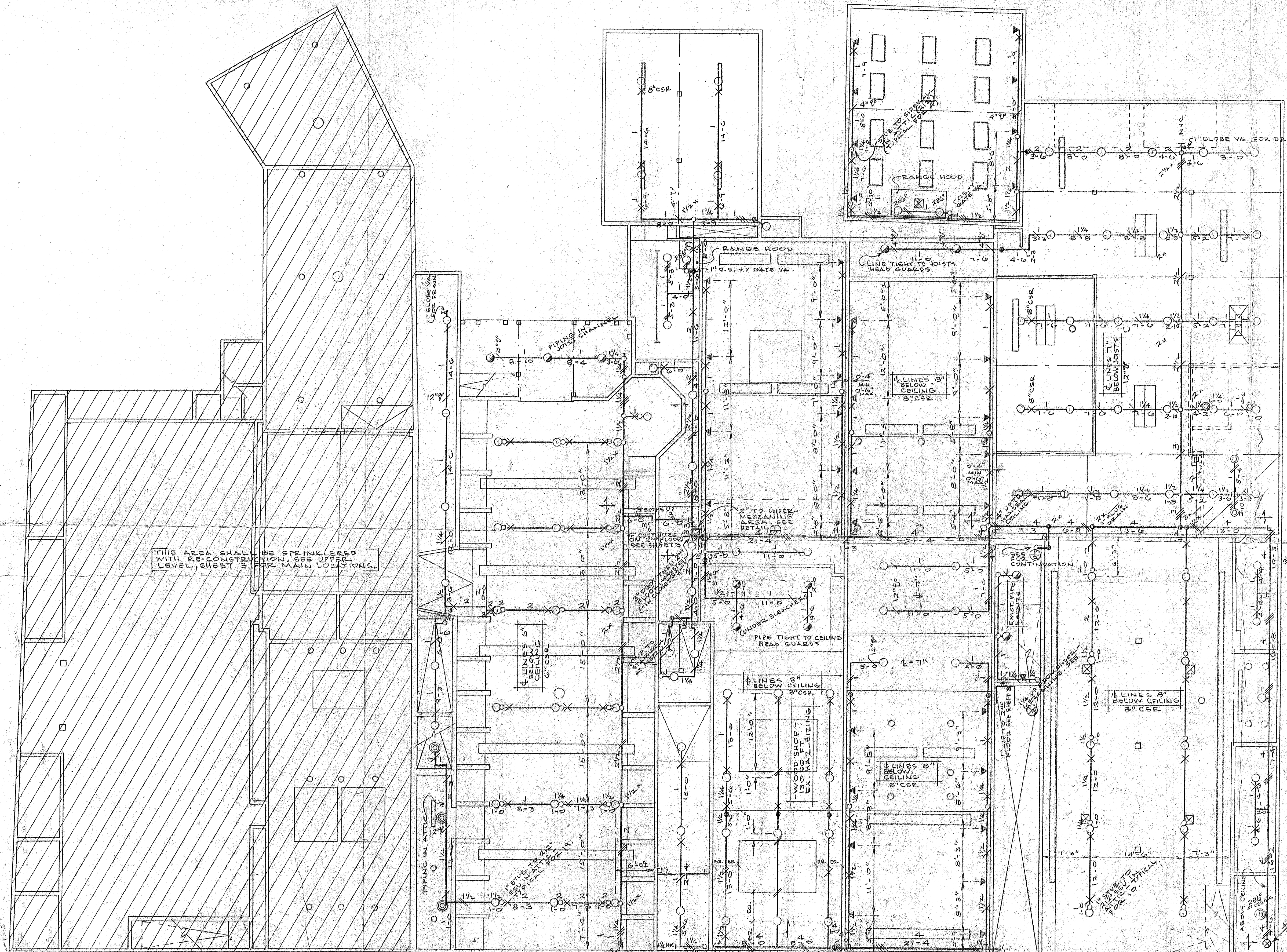
NOR-CAL PLUMBING AND HEATING COMPANY
1301 - SIXTH STREET, SAN FRANCISCO, CA 94107
(415) 626-6073

CONTRACTOR'S LICENSE
NO. 260225

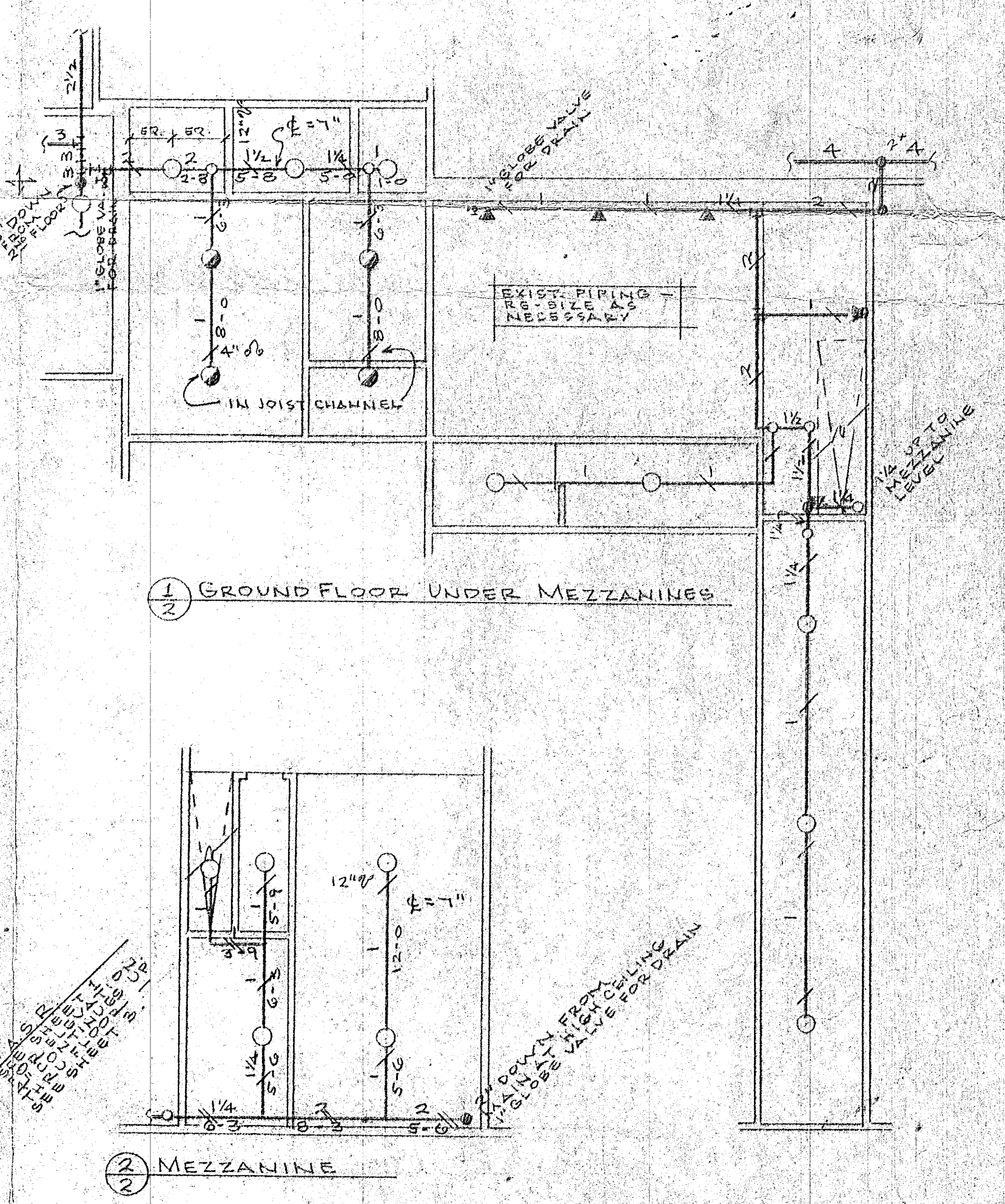
DRAWN: 12-3-80

THE DOLPHIN CLUB
JEFFERSON STREET
SAN FRANCISCO, CALIFORNIA

SHEET NO
1
OF 3



- LEGEND**
- - DENOTES UPRIGHT SPRINKLER, EXPOSED PIPING
 - - DENOTES PENDENT " " " "
 - - DENOTES CONCEALED PIPING
 - - DENOTES STANDARD SIDEWALL SPRINKLER, EXPOSED PIPING
 - - DENOTES UPRIGHT AND PENDENT SPRINKLERS ON 1X1/2X1 B.H.TEE 212'SSU IN ATTIC, PIPING CONCEALED.
 - - DENOTES RISE IN LINE OF PIPE
 - - DENOTES DROP " " "
 - - DENOTES HANGER
 - - DENOTES SIDE BEAM BRACKET, ALL THD. ROD, RING OR CLEVIS
 - - DENOTES CHANNEL OR ANGLE IRON HEADER, ROD + RING OR CLEVIS
 - - DENOTES COACHSCREW ROD, RING OR CLEVIS



GROUND LEVEL PIPING PLAN

NOTES:

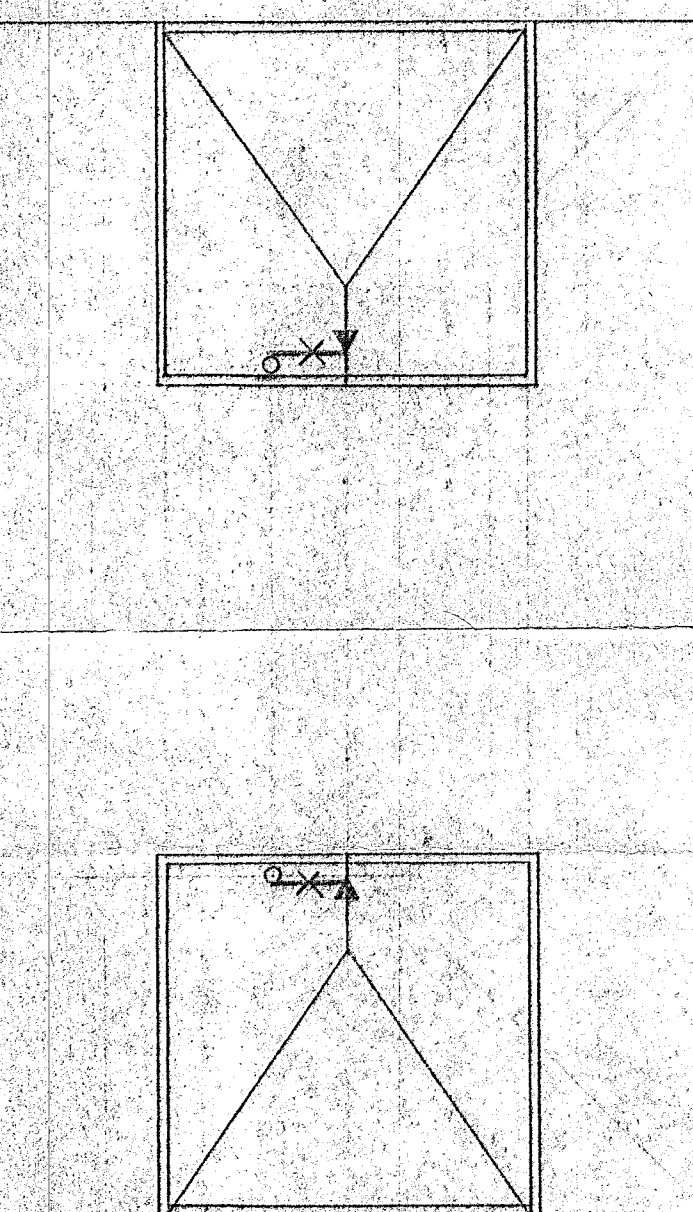
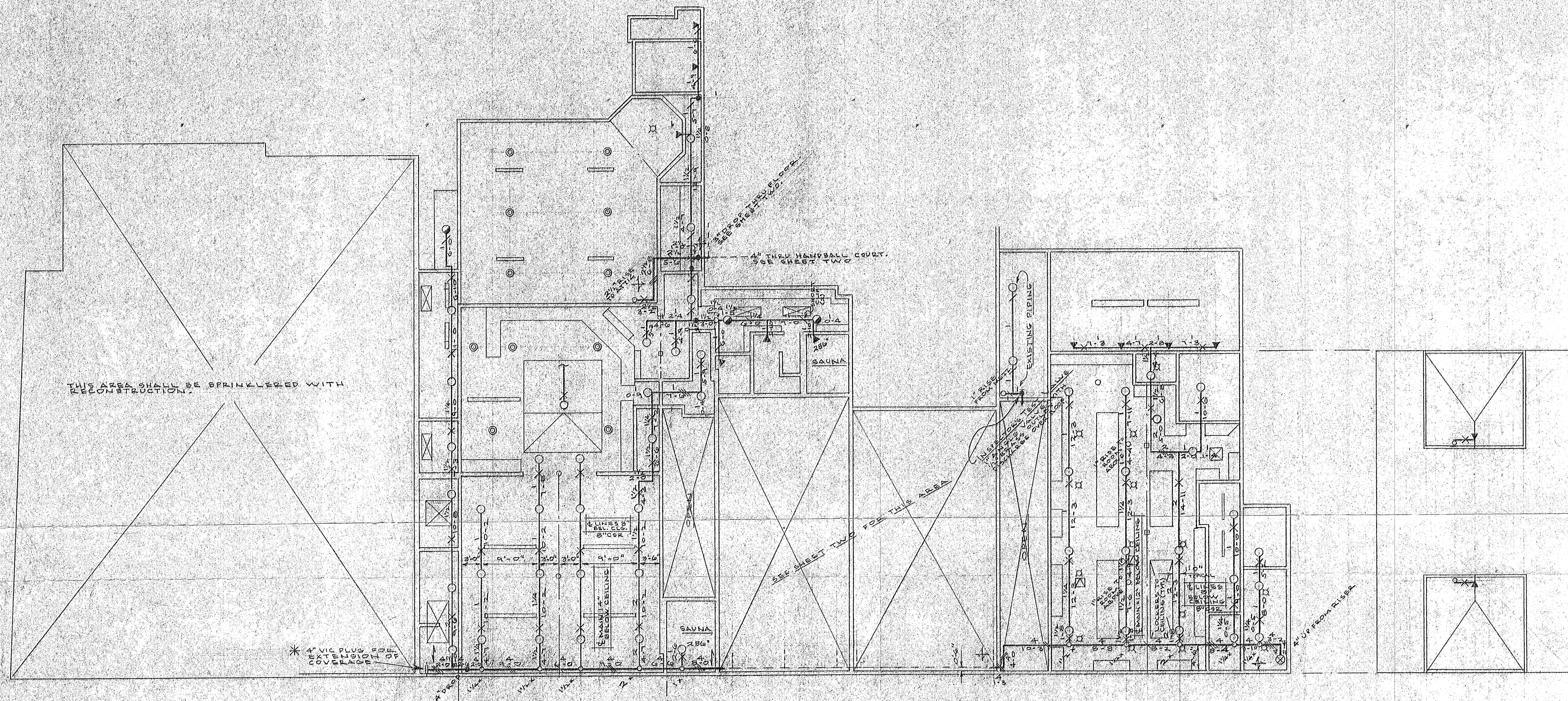
- 1) ALL DIMENSIONS FROM STRUCTURE ARE APPROXIMATE. VERIFY IN FIELD.
- 2) ALL PIPE DIMENSIONS NOTED ARE APPROXIMATE CENTER-TO-CENTER. VERIFY IN FIELD.
- 3) INSPECTORS TEST VALVE ON UPPER LEVEL - SEE SHEET 3.

NOR - CAL PLUMBING AND HEATING COMPANY
 1301 - SIXTH STREET, SAN FRANCISCO, CA 94107
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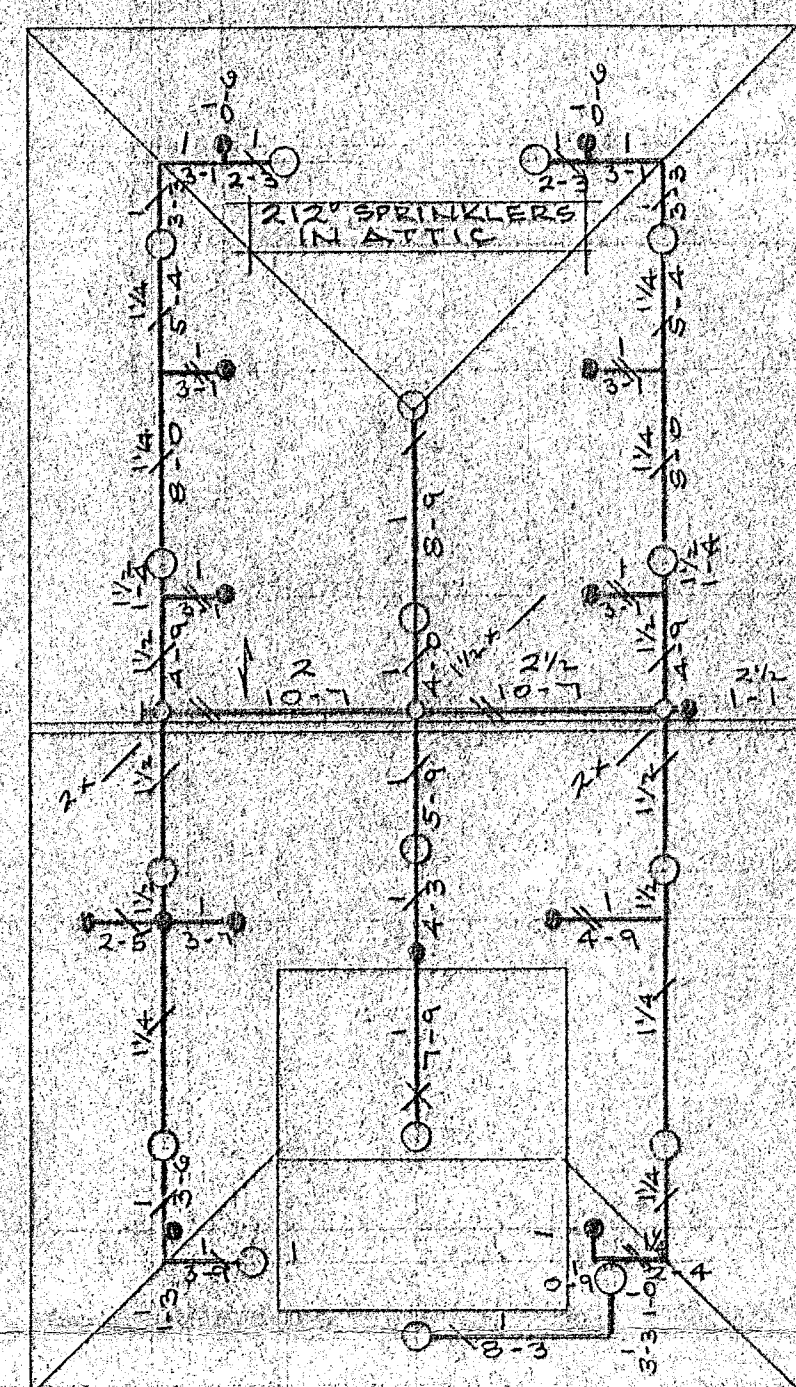
DRAWN: 12-28-80 **SCALE: 1/8" = 1'-0"**

THE DOLPHIN CLUB
 502 JEFFERSON STREET
 SAN FRANCISCO, CALIFORNIA

SHEET N°
2
 OF 3



ROOMS ON ROOF



ATTIC

UPPER LEVEL PIPING PLAN

- NOTES:
- 1) ALL DIMENSIONS FROM STRUCTURE ARE APPROXIMATE. VERIFY IN FIELD.
 - 2) ALL PIPE DIMENSIONS ARE APPROXIMATE CENTER-TO-CENTER.

- LEGEND
- DENOTES UPRIGHT SPRINKLER, EXPOSED PIPING.
 - DENOTES PENDENT " " " " " "
 - DENOTES CONCEALED " " " " " "
 - DENOTES STANDARD SIDEWALL SPRINKLER, EXPOSED PIPING.
 - DENOTES RISE IN LINE OF PIPE.
 - DENOTES PROP " " " " " "
 - DENOTES UPRIGHT SPRINKLER, EXPOSED PIPING.
 - DENOTES PENDENT " " " " " "
 - DENOTES CONCEALED " " " " " "
 - DENOTES STANDARD SIDEWALL SPRINKLER, EXPOSED PIPING.
 - DENOTES RISE IN LINE OF PIPE.
 - DENOTES PROP " " " " " "
 - DENOTES UPRIGHT SPRINKLER, EXPOSED PIPING.
 - DENOTES PENDENT " " " " " "
 - DENOTES CONCEALED " " " " " "
 - DENOTES STANDARD SIDEWALL SPRINKLER, EXPOSED PIPING.
 - DENOTES RISE IN LINE OF PIPE.
 - DENOTES PROP " " " " " "