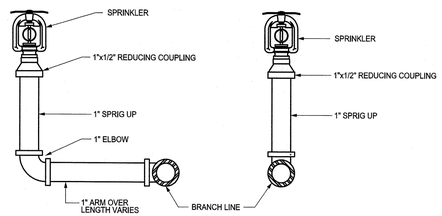
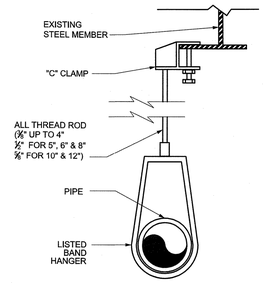


UPRIGHT SPRINKLER BRANCH LINE CONNECTIONS



HANGER DETAIL

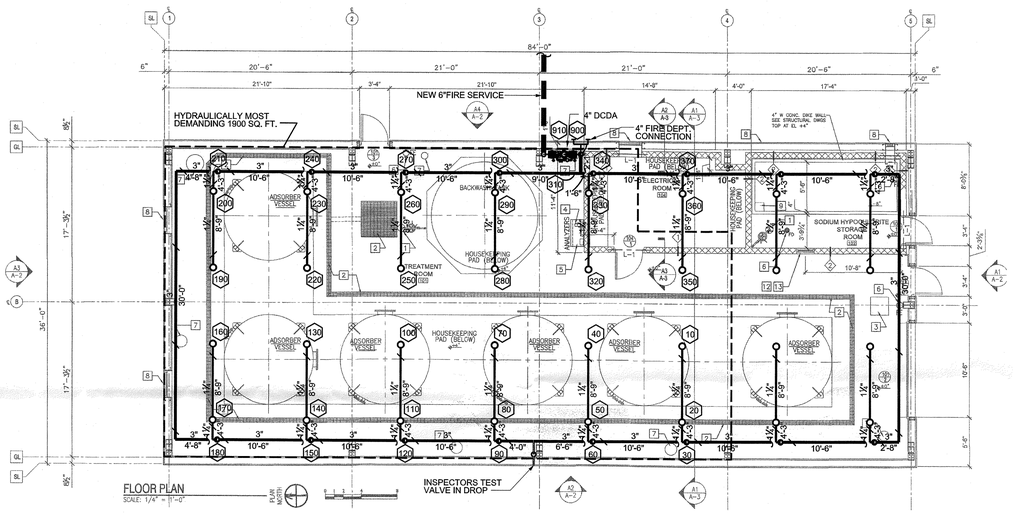
N.T.S.

EQUIPMENT				
SIZE	SYMBOL	DESCRIPTION	MAKE & MODEL	COMMENTS
4"		RISER CHECK VALVE	RELIABLE MODEL G RISER CHECK	
4"		BUTTERFLY VALVE	VICTAULIC MODEL 705	W/ INTEGRAL TAMPER SW.
4"	N	CHECK VALVE	RELIABLE MODEL G CHECK	W/ AUTO BALL DRIP
4"		BACKFLOW PREVENTER	FEBCO MODEL 806DCDA	W/ BYPASS METER
6"		ALARM	RELIABLE	
1"		INSP. TEST VALVE	AGF MODEL 1000	W/ 1/2" ORIFICE
N/A	FS	FLOW SWITCH	SYSTEM SENSOR MODEL WFD	
PIPE & FITTINGS		2" & SMALLER	THREADED BLACK STEEL, ASTM A53, SCHEDULE 40 WITH CLASS 125 C.I. FITTINGS	
		2 1/2" & LARGER	ROLL GROOVED, BLACK STEEL, ASTM A53, SCHEDULE 10, WITH VICTAULIC FIRELOCK FITTINGS AND TYPE OOS RIGID COUPLINGS	

NOTES

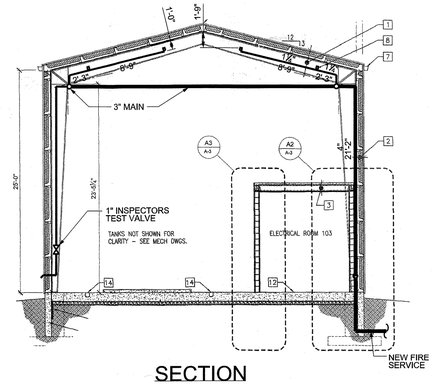
1. ALL WORK WILL BE DONE IN ACCORDANCE WITH 2010 NEW YORK STATE BUILDING CODE, SECTION 903 AND NFPA 13-2007.
2. ALL NEW EQUIPMENT FURNISHED WILL BE LISTED FOR FIRE PROTECTION SERVICE.
3. ALL REQUIRED SIGNS WILL BE PROVIDED.
4. THE "CONTRACTORS MATERIALS AND TEST CERTIFICATES FOR ABOVEGROUND AND UNDERGROUND PIPE" WILL BE SUBMITTED TO THE FIRE MARSHAL PRIOR TO APPROVAL OF THE INSTALLATION.
5. FIRE DEPT. CONNECTIONS AND HOSE CONNECTION THREADS WILL BE COMPATIBLE WITH THE LOCAL FIRE DEPT. EQUIPMENT.
6. FIRE SERVICE MAIN INSTALLATION SHALL COMPLY WITH NFPA 24.
7. ALL SPRINKLER PIPING IS WITHIN HEATED SPACES, UNLESS NOTED OTHERWISE.
8. ALL PIPING DIMENSIONS SHOWN ARE CENTER OF FITTING TO CENTER OF FITTING.
9. THIS IS AN EXISTING BUILDING NOT DESIGNED FOR SEISMIC CRITERIA. NO SEISMIC SUPPORT IS PROVIDED.
10. OWNER: AQUA AMERICA - NEW YORK
    OCCUPANT: US NAVY
    BLOCK / SECTION / LOT: 403 / 51 / 27

HYDRANT FLOW TEST
STATIC PRESSURE: 65 PSI
RESIDUAL PRESSURE: 53 PSI WITH 1060 GPM FLOWING
PERFORMED BY: NEW YORK AMERICAN WATER
DATE OF TEST: 8-14-2012

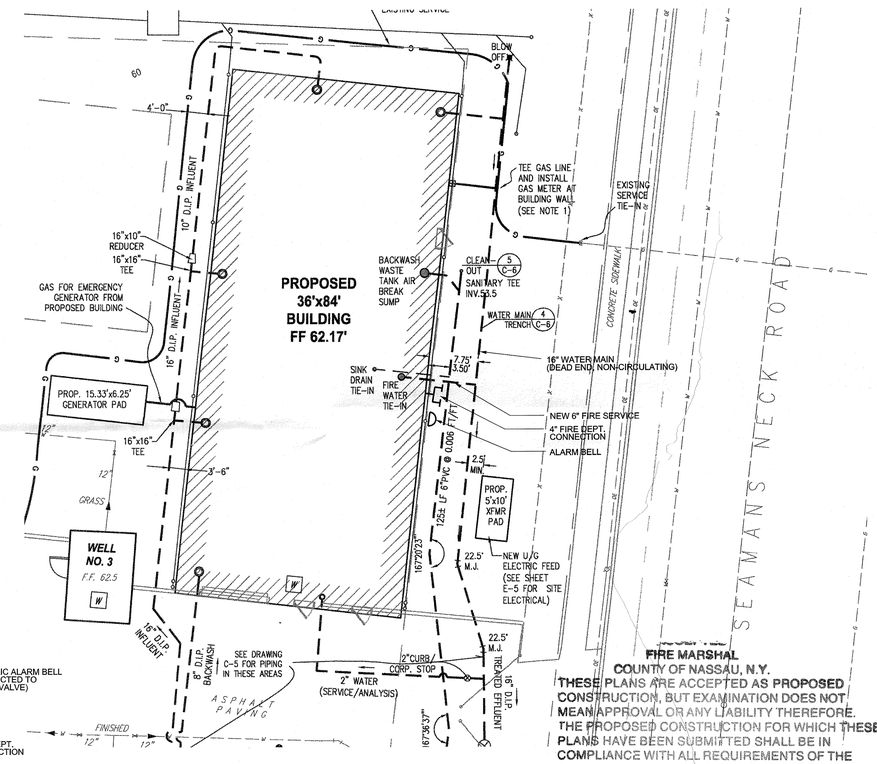


FLOOR PLAN
SCALE: 1/4" = 1'-0"

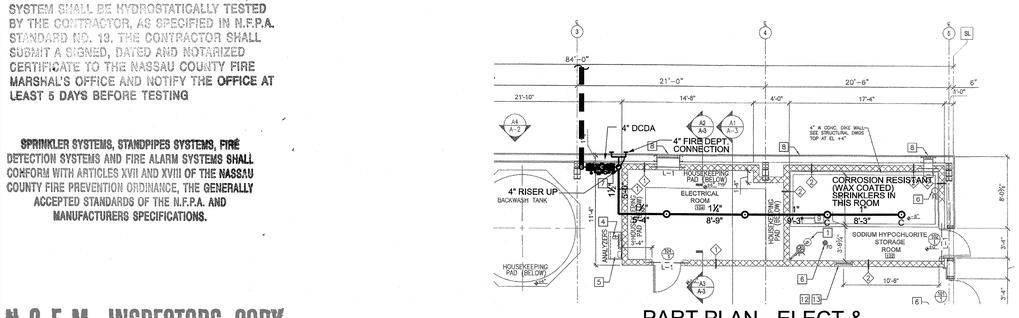
1ST FLOOR PLAN



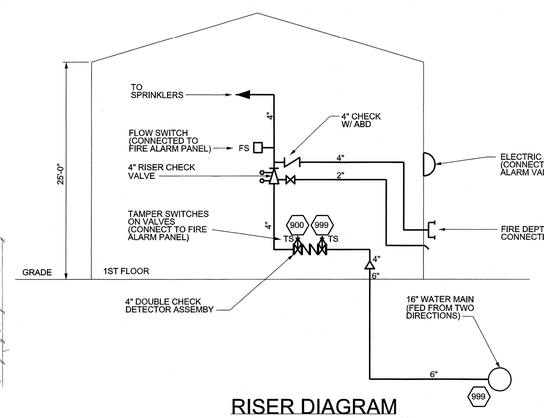
SECTION



SITE PLAN



PART PLAN - ELECT & STORAGE RMS.



RISER DIAGRAM

TEST OF SPRINKLER SYSTEM
UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE HYDROSTATICALLY TESTED BY THE CONTRACTOR, AS SPECIFIED IN N.F.P.A. STANDARD NO. 13. THE CONTRACTOR SHALL SUBMIT A SIGNED, DATED AND NOTARIZED CERTIFICATE TO THE NASSAU COUNTY FIRE MARSHAL'S OFFICE AND NOTIFY THE OFFICE AT LEAST 5 DAYS BEFORE TESTING

SPRINKLER SYSTEMS, STANDPIPES SYSTEMS, FIRE DETECTION SYSTEMS AND FIRE ALARM SYSTEMS SHALL CONFORM WITH ARTICLES XVII AND XVIII OF THE NASSAU COUNTY FIRE PREVENTION ORDINANCE, THE GENERALLY ACCEPTED STANDARDS OF THE N.F.P.A. AND MANUFACTURERS SPECIFICATIONS.

N.C.F.M. INSPECTORS COPY
APPROVED PLANS MUST BE ON JOB SITE DURING SYSTEM INSTALLATION

Acceptance test - performance.
All tests required by this standard for new work shall be performed by the installer. When the Fire Marshal desires to be present when tests are conducted, the installer shall give the Fire Marshal advance notification of the time when the tests will be performed. When the representative of the Fire Marshal is not available and permission is granted by the Fire Marshal, test may be witnessed by the owner or his representative and the contractor's material and test certificate shall be completed and forwarded to the Fire Marshal

Acceptance of plans for construction does not relieve the applicant from meeting requirements of any other law or ordinances of any other authority having jurisdiction. No construction of the type for which the plans were submitted (fire prevention or fire safety) shall be started until those plans are approved by the Fire Marshal. A copy of the approved plans shall be on the site during construction. The Fire Marshal shall be notified in writing when the construction is started and completed. (Amended by ORD. No. 413, effective 11/20/92)

FIRE MARSHAL
COUNTY OF NASSAU, N.Y.
THESE PLANS ARE ACCEPTED AS PROPOSED CONSTRUCTION, BUT EXAMINATION DOES NOT MEAN APPROVAL OR ANY LIABILITY THEREFORE. THE PROPOSED CONSTRUCTION FOR WHICH THESE PLANS HAVE BEEN SUBMITTED SHALL BE IN COMPLIANCE WITH ALL REQUIREMENTS OF THE NASSAU COUNTY FIRE MARSHAL AND WITH ALL APPLICABLE REFERENCE STANDARDS, LAWS AND/OR ORDINANCES WHETHER OR NOT CORRECTLY OR INCORRECTLY SHOWN.
LOCATION ID #20000833 PLANS ID # 20001123
FIRE MARSHAL D.I.D. DATE APR 3 2013

FIRE MARSHAL ROBERT J. DILAVORE
SHIELD # 90
OFFICE OF THE FIRE MARSHAL
COUNTY OF NASSAU, N.Y.

REV	DATE	DESCRIPTION
	2-16-13	CORRECTED ADDRESS

DESIGN CRITERIA No.

OCCUPANCY HAZARD:	ORDINARY GROUP 2		
DENSITY:	0.20	GPM/ SQ. FT.	
AREA OF OPERATION:	1950	SQ. FT.	
COVERAGE PER SPK:	VARIES (130 MAX.)	SQ. FT.	
NO. OF SPRINKLERS, CALC.:	23		
'K' FACTOR: 5.6	ORIFICE: 1/2"		
HOSE STREAMS:	250	GPM	
SYSTEM DEMAND:	476	GPM @ 42.7 PSI	
WATER SUPPLY: STATIC: 65 PSI	RESIDUAL: 53 PSI @ 1060 GPM		

SPRINKLERS

QUANT.	SYMBOL	DESCRIPTION	TEMP.	K-FACT.	MAKE & MODEL	RESPONSE	SIN	COMMENTS
	●	CONCEALED	165	5.6	RELIABLE G4A	QUICK	R5415	NON ADJ., WHITE ESC.
32	O	UPRIGHT	155	5.6	RELIABLE F1FR56	QUICK	RA1425	
2	⊙	PENDENT	155	5.6	RELIABLE F1FR56	QUICK	RA1414	
2	⊙C	PENDENT-COR. RESIST.	155	5.6	RELIABLE F1-56	STD	RA1314	WAX COATED
36	TOTAL NEW AND RELOCATED HEADS THIS SHEET							

LEGEND

	SPRINKLER TO BE REMOVED		RISER CHECK VALVE		SIAMESE CONN.
	NEW ARMOVER		ALARM VALVE		ALARM
	NEW SPRINKLER PIPING		DRY PIPE VALVE	FS	FLOW SWITCH
	SPRINKLER PIPING TO REMAIN		PREACTION VALVE	B.O.P.	BOTTOM OF PIPE
	SPRINKLER PIPING TO BE REMOVED		DELUGE VALVE	T.O.P.	TOP OF PIPE
	HANGER LOCATION		O.S.&Y. VALVE	DN	DROP NIPPLE
[ ]	DENOTES CEILING HEIGHT		BUTTERFLY VALVE	RN	RISER NIPPLE
+X-XX"	DENOTES FIN. FL. TO ℄ OF PIPE	N	CHECK VALVE	A.B.D.	AUTOMATIC BALL DRIP
	NEW CONNECTION		GATE VALVE	A.F.F.	ABOVE FINISHED FLOOR
	HYDRAULIC REFERENCE POINT		BACKFLOW PREVENTER		

SUBMITTED BY:
KG MECHANICAL
162 MILBAR BLVD.
FARMINGDALE, NY 11735
TEL: 631-777-2627
FAX: 631-777-2629

PROJECT:
NAVAL FACILITIES WATER TREATMENT PLANT
670 SEAMANS NECK RD.
SEAFORD, NY11783

SEAL & SIGNATURE:
STATE OF NEW YORK · THOMAS PATRICK KENNY · 071593 · LICENSED PROFESSIONAL ENGINEER

DRAWING TITLE: SPINKLER PLAN & SECTION, RISER DIAGRAM, SITE PLAN & NOTES

JOB NO. 373
SCALE AS NOTED
DATE 1-29-13
DWG No. SP-101.00
SHEET No: 1 OF: 1

N.C.F.M. INSPECTORS COPY
APPROVED PLANS MUST BE ON JOB SITE DURING SYSTEM INSTALLATION