

**Fire Protection
and Sprinkler Associates, Inc.**

1569 Cascade Drive
MARION, OHIO 43302

(614) 387-1005 387-1003

LETTER OF TRANSMITTAL

TO NAPOLEON MUNICIPAL BLDG.
DEPT. OF BLDG. INSPECTION
255 W. RIVERVIEW ST.
NAPOLEON, OHIO 43545

DATE <u>1/11/85</u>	JOB NO. <u>C-4293</u>
ATTENTION <u>VON BERLIN</u>	
RE: <u>LUTHERAN NURSING HOME</u> <u>NAPOLEON, OH.</u>	

1036 S.
Perry
S.O.

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

- Shop drawings Prints Plans Samples Specifications
 Copy of letter Change order _____

COPIES	DATE	NO.	DESCRIPTION
<u>1</u>			<u>MATERIAL & TEST CERTIFICATES (INSIDE & UNDERGROUND)</u>

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit _____ copies for approval
 For your use Approved as noted Submit _____ copies for distribution
 As requested Returned for corrections Return _____ corrected prints
 For review and comment _____
 FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

SIGNED: Kevin Green

CONTRACTOR'S MATERIAL & TEST CERTIFICATE
SPRINKLER SYSTEMS - WATER SPRAY SYSTEMS
 PART "A" GENERAL

PROCEDURE

UPON COMPLETION OF WORK, INSPECTION AND TESTS SHOULD BE MADE BY CONTRACTOR'S REPRESENTATIVE AND WITNESSED BY AN OWNER'S REPRESENTATIVE. ALL DEFECTS SHOULD BE CORRECTED AND SYSTEM LEFT IN SERVICE BEFORE CONTRACTOR'S MEN FINALLY LEAVE THE JOB.

A CERTIFICATE SHOULD BE FILLED OUT AND SIGNED BY BOTH REPRESENTATIVES. COPIES SHOULD BE PREPARED FOR INSPECTING AUTHORITIES, OWNER AND CONTRACTOR. IT IS UNDERSTOOD THE OWNER'S REPRESENTATIVE'S SIGNATURE IN NO WAY PREJUDICES ANY CLAIM AGAINST CONTRACTOR FOR FAULTY MATERIAL, POOR WORKMANSHIP OR FAILURE TO COMPLY WITH INSPECTING AUTHORITY'S REQUIREMENTS OR LOCAL ORDINANCES.

PROPERTY NAME LUTHERAN NURSING HOME	DATE
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PROPERTY ADDRESS WILLIAMS ST. NAPOLEON OH.	
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PLANS	ACCEPTED BY INSPECTION AUTHORITY ('S) NAMES I.S.O. STATE OF OHIO STATE FIRE MARSHALL	
	ADDRESS COLUMBUS OHIO	
	INSTALLATION CONFORMS TO ACCEPTED PLANS EQUIPMENT USED IS APPROVED IF NO, STATE DEVIATIONS	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

INSTRUC- TIONS	HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE OF THIS NEW EQUIPMENT IF NO, EXPLAIN	YES <input type="checkbox"/> NO <input type="checkbox"/>
	HAS A COPY OF INSTRUCTION AND MAINTENANCE CHART BEEN LEFT AT PLANT IF NO, EXPLAIN	YES <input type="checkbox"/> NO <input type="checkbox"/>

TEST DESCRIP- TION	<p>FLUSHING: Flow the required rate until mains are clear as indicated by no collection of foreign material in burlap bags at outlets such as hydrants and blow-offs.</p> <p>Flush at flows not less than 750 GPM for 6-inch pipe and smaller, 1000 GPM for 8-inch, 1500 GPM for 10-inch, 2000 GPM for 12-inch. Where supply cannot produce stipulated flow rate, obtain maximum available by using properly sized discharge devices.</p> <p>HYDROSTATIC: Hydrostatic test should be made at not less than 200 PSI for two hours or 50 PSI above static pressure in excess of 150 PSI. Differential dry-pipe valve clappers should be left open during test to prevent damage. Air above ground piping leakage should be stopped.</p> <p>LEAKAGE: New pipe laid with rubber gasketed joints should, if the workmanship is satisfactory, have no leakage at the joints. Unsatisfactory amounts of leakage usually result from twisted, pinched or cut gaskets. However, some leakage might result from small amounts of grit or small imperfections. The amount of leakage at the joints should not exceed 2 quarts per hour per 100 joints irrespectively of pipe diameter. The leakage should be distributed over all joints. If such leakage occurs at a few joints the installation should be considered unsatisfactory and necessary repairs made. New pipe laid with caulked lead or lead-substitute joints should, if the workmanship is satisfactory, have little or no leakage at the joints. Any joint having leakage or more than a "slight drip" or "weeping" should be repaired. Leakage should not exceed 1 oz. (liquid measure) per hour per inch of pipe diameter per joint. The leakage should be distributed over all joints. If such leakage occurs almost entirely at a few joints, the installation should be considered unsatisfactory and necessary repairs made.</p> <p>PNEUMATIC: Establish 40 PSI air pressure and measure pressure drop which should not exceed 1 1/2 PSI in 24 hours. Test pressure tanks at normal water level and air pressure, and measure air pressure drop which should not exceed 1 1/2 PSI in 24 hours.</p>
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PART "B" — UNDERGROUND PIPING

LOCATION	FEEDS BLDGS.		
UNDER- GROUND PIPES AND JOINTS	PIPE TYPE AND CLASS	TYPE JOINT	
	CONFORMS TO _____ STANDARD IF NO, EXPLAIN	YES <input type="checkbox"/>	NO <input type="checkbox"/>
	JOINTS NEEDING ANCHORAGE CLAMPED, STRAPPED OR BACKED IN ACCORDANCE WITH _____ STANDARD IF NO, EXPLAIN	YES <input type="checkbox"/>	NO <input type="checkbox"/>
TESTS REQUIRED	FLUSHING	HYDROSTATIC	LEAKAGE
FLUSHING TESTS	NEW UNDERGROUND PIPING FLUSHED ACCORDING TO _____ STANDARD BY (COMPANY)		YES <input type="checkbox"/>
	HOW WAS FLUSHING FLOW OBTAINED		
	PUBLIC WATER <input type="checkbox"/>	TANK OR RESERVOIR <input type="checkbox"/>	FIRE PUMP <input type="checkbox"/>
THROUGH WHAT TYPE OPENING			
LEAD-INS FLUSHED ACCORDING TO _____ STANDARD BY (COMPANY)			YES <input type="checkbox"/>
HOW WAS FLUSHING FLOW OBTAINED			
PUBLIC WATER <input type="checkbox"/>	TANK OR RESERVOIR <input type="checkbox"/>	FIRE PUMP <input type="checkbox"/>	HYD. BUTT. <input type="checkbox"/>
THROUGH WHAT TYPE OPENING			
			Y CONN. TO FLANGE & SPIGOT <input type="checkbox"/>
			OPEN PIPE <input type="checkbox"/>

CONTRACTOR'S MATERIAL & TEST CERTIFICATE
 SPRINKLER SYSTEMS - WATER SPRAY SYSTEMS
 PART "A" GENERAL

PROCEDURE

UPON COMPLETION OF WORK, INSPECTION AND TESTS SHOULD BE MADE BY CONTRACTOR'S REPRESENTATIVE AND WITNESSED BY AN OWNER'S REPRESENTATIVE, ALL DEFECTS SHOULD BE CORRECTED AND SYSTEM LEFT IN SERVICE BEFORE CONTRACTOR'S MEN FINALLY LEAVE THE JOB.

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PROPERTY NAME

LUTHERAN NURSING HOME

DATE

9-18-84

PROPERTY ADDRESS

SOUTH 108 NAPOLLEON - OHIO 43545

PLANS

ACCEPTED BY INSPECTION AUTHORITY ("S") NAMES

STATE OF OHIO FIRE MARSHAL REYNOLDSBURG - OHIO

ADDRESS

CITY OF NAPOLLEON 255 W. RIVERVIEW NAPOLLEON - OHIO

INSTALLATION CONFORMS TO ACCEPTED PLANS
 EQUIPMENT USED IS APPROVED
 IF NO, STATE DEVIATIONS

YES NO
 YES NO

INSTRUC-

HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE OF THIS NEW EQUIPMENT
 IF NO, EXPLAIN

YES NO

TIONS

HAS A COPY OF INSTRUCTION AND MAINTENANCE CHART BEEN LEFT AT PLANT
 IF NO, EXPLAIN

YES NO

TEST

FLUSHING: Flow the required rate until mains are clear as indicated by no collection of foreign material in tarp bags at outlets such as hydrants and blow-offs.

Flush at flows not less than 750 GPM for 6-inch pipe and smaller, 1000 GPM for 8-inch, 1500 GPM for 10-inch, 2000 GPM for 12-inch. Where supply cannot produce stipulated flow rate, obtain maximum available by using properly sized discharge devices.

DESCRIP-

HYDROSTATIC: Hydrostatic test should be made at not less than 200 PSI for two hours or 50 PSI above static pressure in excess of 150 PSI. Differential dry-pipe valve clappers should be left open during test to prevent damage. All above ground piping leakage should be stopped.

TION

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PNEUMATIC: Establish 40 PSI air pressure and measure pressure drop which should not exceed 1 1/2 PSI in 24 hours. Test pressure tanks at normal water level and air pressure, and measure air pressure drop which should not exceed 1 1/2 PSI in 24 hours.

PART "B" - UNDERGROUND PIPING

LOCATION

FEEDS BLDGS.

ONE BUILDING - LUTHERAN NURSING HOME

UNDER-

PIPE TYPE AND CLASS

CLASS 52 DUCTILE IRON

TYPE JOINT

O-RINGS - PUSH JOINT & M.J. FITTINGS

GROUND

CONFORMS TO NEPA & AWSA STANDARD

YES NO

PIPES

AND

JOINTS NEEDING ANCHORAGE CLAMPED, STRAPPED OR BACKED IN ACCORDANCE WITH NEPA STANDARD & AWWA
 IF NO, EXPLAIN

YES NO

JOINTS

TESTS

FLUSHING

HYDROSTATIC

LEAKAGE

NEW UNDERGROUND PIPING FLUSHED ACCORDING TO NEPA & AWSA STANDARD BY (COMPANY).

YES

C.F. GERKEN & SONS INC.

FLUSHING

HOW WAS FLUSHING FLOW OBTAINED

PUBLIC WATER

TANK OR RESERVOIR

FIRE PUMP

THROUGH WHAT TYPE OPENING

HYD. HUTT.

OPEN PIPE

TESTS

LEAD-INS FLUSHED ACCORDING TO NEPA & AWSA STANDARD BY (COMPANY)

YES

C.F. GERKEN & SONS INC.

HOW WAS FLUSHING FLOW OBTAINED

PUBLIC WATER

TANK OR RESERVOIR

FIRE PUMP

THROUGH WHAT TYPE OPENING

Y CONN. TO FLANGE & SPIGOT

OPEN PIPE

4" PIPE