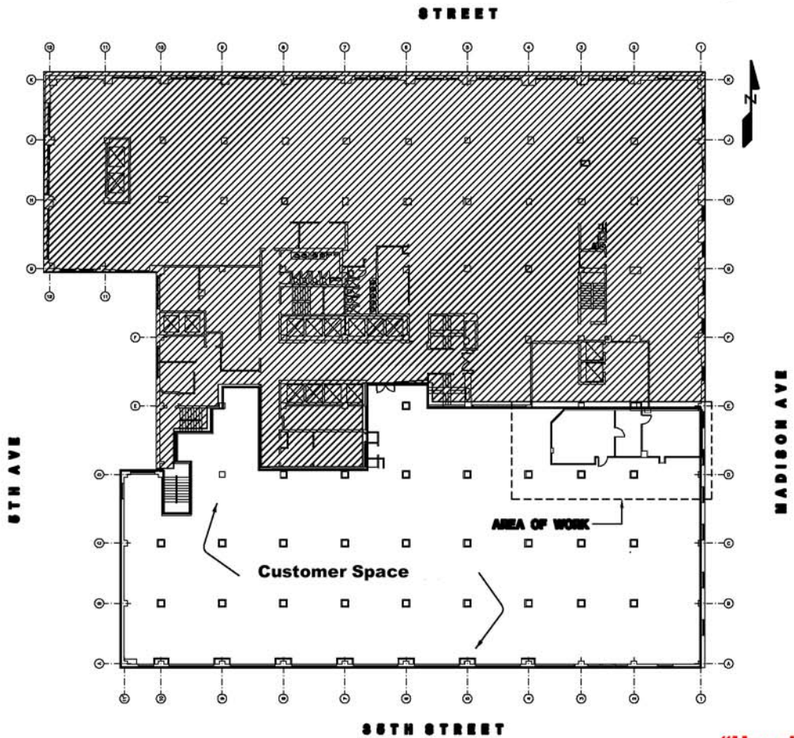
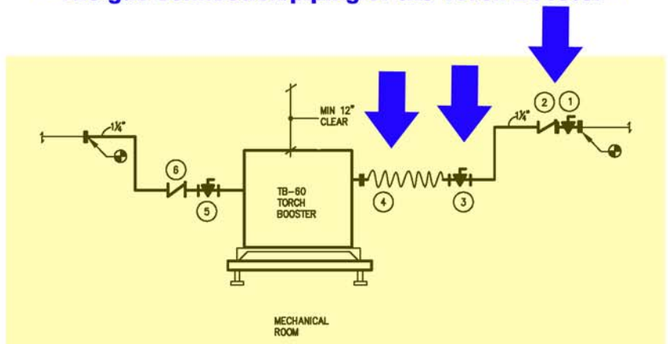
This document provides examples of the information the NYC Fire Department requires on the drawing submitted in support of a Site-Specific Certificate Of Approval.



TH FLOOR PLAN
SCALE: NTS

"The gas connection/piping of the Torch Booster"



NATURAL GAS TORCH BOOSTER PIPING DIAGRAM
SCALE: NTS

LEGEND

- EXISTING GAS PIPING TO BE REMOVED
- EXISTING GAS PIPING TO REMAIN
- NEW GAS PIPING
- EXISTING OXYGEN PIPING
- (S) NEW SMOKE DETECTOR

① 1¼" LUBRICATED GAS VALVE
② CHECK VALVE
③ 1/2" ACCESSIBLE APPLIANCE SHUT OFF VALVE
④ FLEXIBLE SUPPLY HOSE
⑤ FDNY RULE 2609-01 COMPLIANT REGULATOR
⑥ LISTED COMBINATION FLASHBACK ARRESTOR/CHECK VALVE

NOTES:

½" GAS DISCHARGE OUTLET PIPE FROM OWNER FURNISHED TB-60 NATURAL GAS TORCH BOOSTER TO "HOKE" TORCH. DISCHARGE OUTLET PIPE TO BE EQUIPPED WITH REGULATOR AND LISTED COMBINATION FLASHBACK ARRESTOR/CHECK VALVE.

THE GAS BOOSTER SHALL BE MOUNTED AND INSTALLED AS PER THE MANUFACTURER'S SPECIFICATIONS AND/OR DRAWING.

A CHECK VALVE SHALL BE INSTALLED BETWEEN THE GAS METER AND THE GAS BOOSTER. THE CHECK VALVE IS REQUIRED TO PREVENT FLOW BACK THROUGH THE GAS METER AND INTO THE GAS DISTRIBUTION SYSTEM.

ONLY CON-EDISON APPROVED CHECK VALVES AND MERCURY FREE LOW-PRESSURE SWITCHES SHALL BE INSTALLED.

SUPPLY OF GAS TO EQUIPMENT NOT REQUIRING "BOOSTED PRESSURE" SHALL BE LOCATED ON UPSTREAM SIDE OF THE CHECK VALVE, BRANCH SUPPLY MAY BE CONNECTED THROUGH THE SAME METER OR SEPARATED METER DEPENDING ON THE SERVICE CLASSIFICATION INVOLVED.

ALL PIPING SYSTEM SHALL BE IN ACCORDANCE WITH THE "NATIONAL FUEL GAS CODE"-ANSI Z223.1 (NFPA 58), NFPA 51, NEW YORK CITY BUILDING CODE, NEW YORK CITY FIRE CODE AND CON-EDISON SPECIFICATIONS.

PROVIDE FLASHBACK ARRESTOR ON OXYGEN SUPPLY LINE.

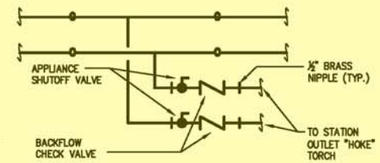
THE USE OF THE NATURAL GAS TORCH BOOSTER COMPLIES WITH APPLICABLE NFPA STANDARDS INCLUDING BUT NOT LIMITED TO NFPA 51 AND THE NYC BUILDING CODE, FIRE CODE, FIRE DEPT. RULE 2609-01 AND ELECTRICAL CODE.

CHECK - ALL CHECK VALVES CAN BE INSTALLED IN THE HORIZONTAL OR VERTICAL (WITH FLOW DOWNWARD) POSITION. THERE SHOULD BE AT LEAST TEN PIPE DIAMETER OF STRAIGHT PIPE UPSTREAM OF THE CHECK VALVE.

FLASHBACK ARRESTOR MAY BE INSTALLED EITHER ON THE MAIN SUPPLY LINE OR AT EACH INDIVIDUAL TORCH.

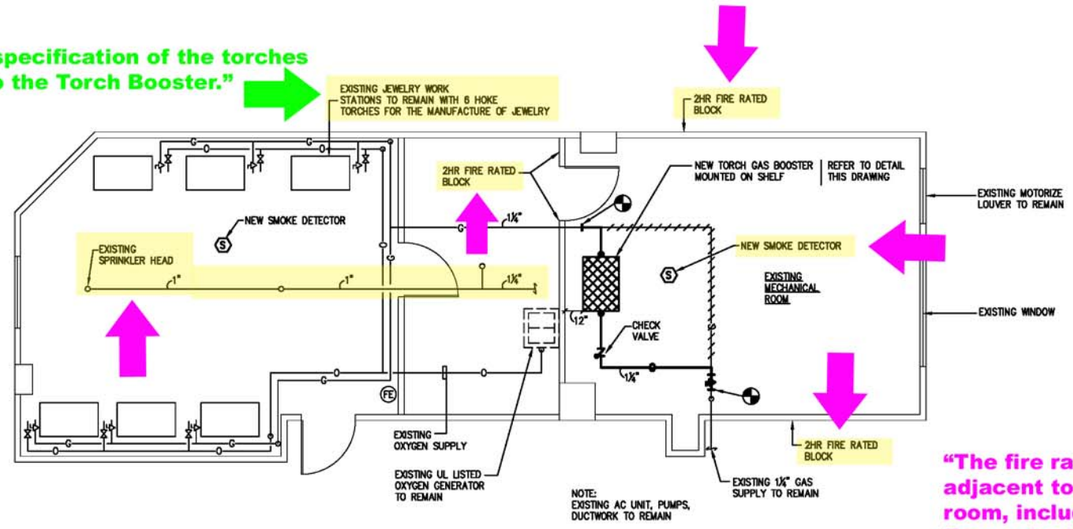
"This statement: 'The use of the natural gas torch booster complies with all applicable NFPA Standards including, but not limited to NFPA 51 and the New York City Building Code, Fire Code, Fire Dept. Rule 2609-01 and Electrical Code."

"How low pressure natural gas is supplied to the Torch Booster and how high-pressure gas is delivered to the torches, including all valves, check valves and other fittings required by NYC Codes, Rules and other Regulations."



EXISTING WORKBENCH GAS/OXYGEN STATION OUTLET DIAGRAM
SCALE: N.T.S.

"The number and specification of the torches to be connected to the Torch Booster."



WORK AREA PART PLAN

PROPOSED NATURAL GAS BOOSTER PUMP:

G-TEC TB-60 GAS BOOSTER
25 PSI MAX. GAS PRESSURE AT 60CF/HR
ELECTRICAL POWER 110V, 15 AMP.
GAS SUPPLY LINE -½" SCHEDULE 40 PIPE
MAXIMUM NUMBER OF TORCH CONNECTION - 6 STATIONS

MOUNT MIN. 12" ABOVE FINISHED FLOOR WITH MINIMUM 12" CLEARANCE ALL AROUND FOR VENTILATION

SITE DATA:

LOCATION: 200 MADISON AVENUE, NEW YORK, NY
BLOCK: 863
LOT: 14
ZONE:

BUILDING CONSTRUCTION CLASSIFICATION - CLASS 1
FIREPROOF (OLD CODE)
BUILDING OCCUPANCY GROUP: COMMERCIAL

BUILDING HAS SPRINKLER/STANDPIPE & INTERIOR ALARM SYSTEM

NOTE:

WORKSHOP IS SPRINKLERED ENTIRELY, HEATING BY HOT WATER BASEBOARD, TWO EXISTING AIR CONDITIONING UNITS SUPPLY TENANT SPACE ONLY.

"The fire rating of the rooms that are situated directly adjacent to the designated natural gas Torch Booster room, including all applicable safety features such as fire protection system, mechanical ventilation, gas detector(s), or alarm system that is installed in the workshop."

REVISION	DATE
-	-

PROJECT:
Location :
Madison Avenue
New York, New York

TITLE:
GAS BOOSTER INSTALLATION
JEWELRY WORKSHOP
PLANS & DETAILS

SEAL & SIGNATURE

DATE:
PROJECT NO.
DRAWN BY: MB/EF
CHK BY: M.K.B.
DWG NO. P-301.00

THESE PLANS ARE APPROVED ONLY FOR THE WORK ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.