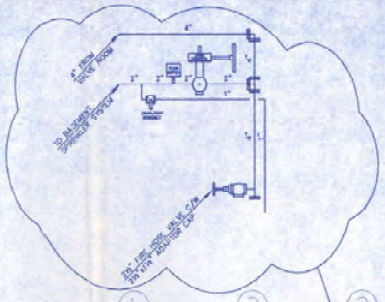
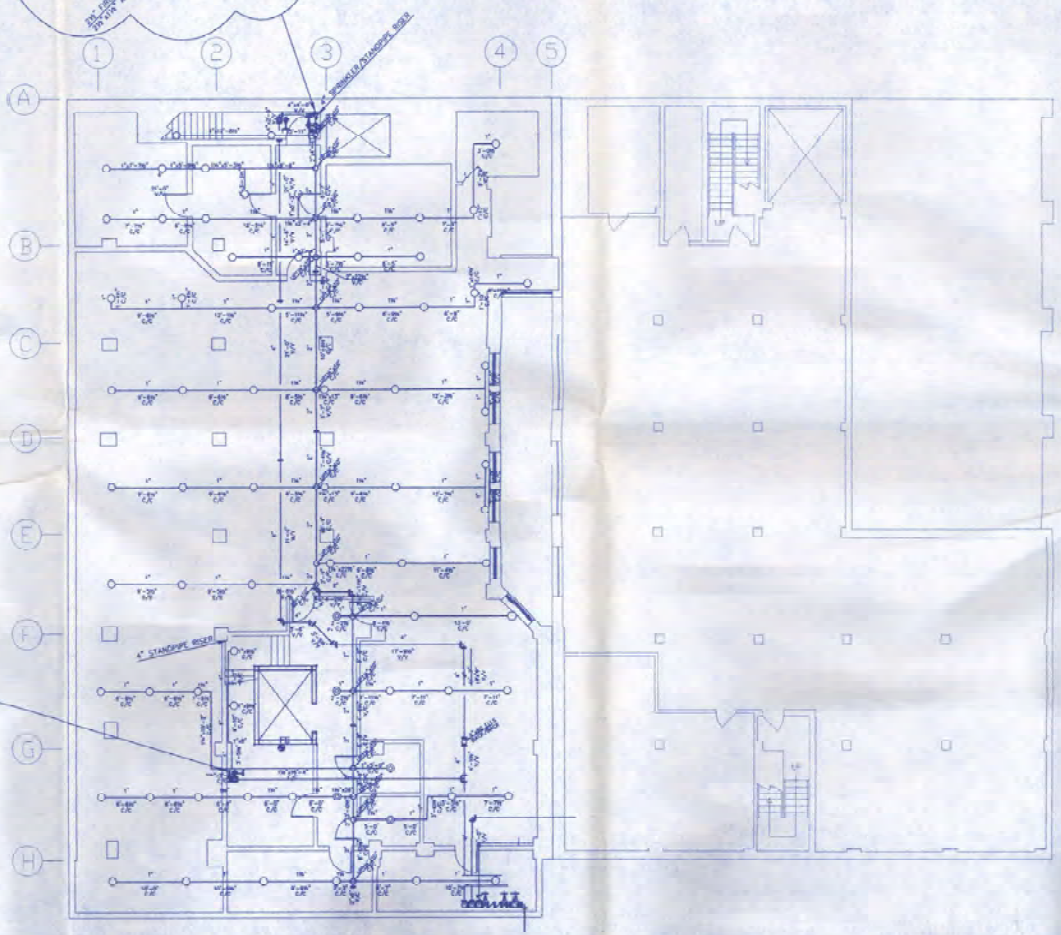
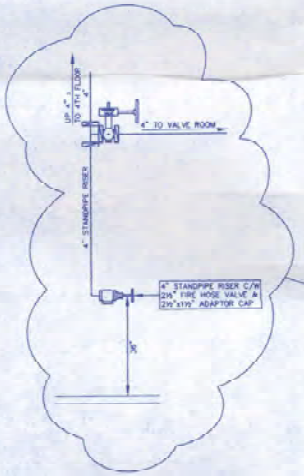




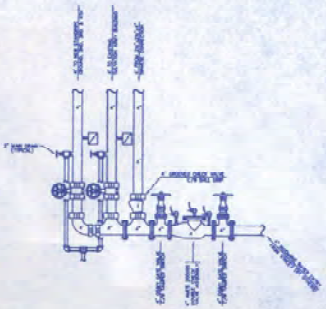
BASEMENT FLOOR PLAN

1st Street S.E.

5th Avenue S.E.



TYPICAL STANDPIPE HOSE STATION
(DO NOT SCALE)



MAIN VALVE ROOM DETAIL
(DO NOT SCALE)

SPRINKLER DRAWINGS

CITY RECORD COPY
515 1 ST SE
Interior Alteration (Base Building Only)
HALLETT ARCHITECTS
(403) 247-0444
503 BP2002-13068

CITY OF CALGARY
PLANNING DEVELOPMENT & BUILDING DEPARTMENT
BUILDING REGULATIONS DIVISION
JAN - 7 2003

RECEIVED
DEC 11 2002
BUILDING REGULATIONS

PERMIT TO PRACTICE
FIRECODE ENGINEERING LTD.
05 DECEMBER 2002

FIRE CODE ENGINEERING LTD.
2nd Flr, 814 - 16 Ave. N.W.
Calgary, Alberta T2M 0J9
Telephone: (403) 284-3673

STOUGHTON FIRE PROTECTION
Suite 837, 3545-32nd Avenue N.E.
Calgary, Alberta, T1Y 6M6
Office (403) 291-0291
Fax (403) 291-5236

NOTES:
- THE SPRINKLER SYSTEM HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF NFPA#13 (1996 EDITION). LIGHT HAZARD OCCUPANCY (0.10 OVER 1500 SQFT).
- ALL LINE PIPING TO BE "SYMATHREAD" ASTM A-795 SCH 40 REPLACEMENT.
- ALL MAIN PIPING TO BE "SYMFLOW" ASTM A-795 SCH 10 REPLACEMENT.
- ALL FITTINGS ON MAIN PIPING TO BE GROOVED. (MECHANICAL TEES, ELBOWS, STRAIGHT TEES, COUPLINGS, ETC.)
- ALL FITTINGS ON LINE PIPING TO BE STRAP TEES, OR CAST IRON SCREWED 90 ELBY APPLICATION.
- WATER SUPPLY INFORMATION OBTAINED FROM THE CITY OF CALGARY. THE HYDRAULIC CALCULATION IS BASED ON THE FOLLOWING WATER SUPPLY STATUS: PRESSURE: 84.0 PSI @ FTR RESIDUAL PRESSURE: 81.0 PSI @ 1115 USGPM

IMPORTANT:
THE FOLLOWING ITEMS ARE NOT INCLUDED IN THE CONTRACT AWARDED TO STOUGHTON FIRE PROTECTION LIMITED:
- FIRE HOSE CABINETS, RACKS, OR REELS.
- FIRE PUMP AND/OR BOOSTER PUMP.
- CUTTING, PATCHING, SLEEVING, AND FIRE STOPPING.
- ELECTRICAL WORK.
- PAINTING OF PIPE AND/OR EQUIPMENT.
- HEAT TRACING OR INSULATING OF SPRINKLER PIPING.
- OUTSIDE SERVICES AND THEIR TESTING TO NFPA STANDARDS.

STOUGHTON FIRE PROTECTION TO START AT A FLANGED CONNECTION LEFT BY OTHERS.

IMPORTANT:
IN LOCALITIES SUBJECT TO FREEZING CONDITIONS, IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE HEAT THROUGHOUT NOT PIPE SPRINKLERED AREAS AND IN ENCLOSURES CONTAINING MAIN CONTROL VALVES AND OTHER TYPES OF VALVES WHICH CONTROL THE SPRINKLER SYSTEMS.

THIS DRAWING AND THE DESIGN INFORMATION CONTAINED WITHIN ARE THE PROPERTY OF STOUGHTON FIRE PROTECTION LIMITED.

INFORMATION CONTAINED SHALL BE TREATED AS CONFIDENTIAL. NO REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF SHALL BE MADE WITHOUT WRITTEN CONSENT FROM STOUGHTON FIRE PROTECTION LIMITED.

ANY CONTRACTOR OR PERSON USING THIS BLUEPRINT SHOULD VERIFY ALL DIMENSIONS, CALCULATIONS, AND SPECIFICATIONS AND INFORM THIS DESIGNER OF ANY ERRORS AND/OR OMISSIONS BEFORE IMPLEMENTATION.

TOTAL SPRINKLERS ON THIS DRAWING

DESCRIPTION	K-FACTOR	ORIFICE	TEMP	SYMBOL	TOTAL
NEW UPRIGHT OR ONCHE UPRIGHT SPRINKLER	5.6	1/2"	155F	○	88
NEW UPRIGHT OR CHROME PENDENT SPRINKLER	5.6	1/2"	155F	◎	6
NEW HORIZ OR CHROME HORZ. SIDEWALL SPRINKLER	5.6	1/2"	155F	⊳	4
PORTABLE FIRE EXTINGUISHERS				■	3
TOTAL SPRINKLERS ON THIS DRAWING					78

REV.	DESCRIPTION	DATE
1	ISSUED FOR APPROVAL	DEC/02

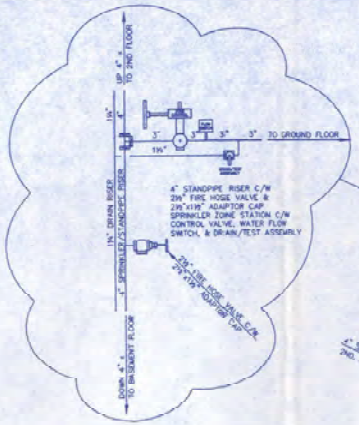
DEVELOPMENT PERMIT NUMBER: D.P.# 2002-02425

BUILDING PERMIT NUMBER: R.P.# 2002-13068

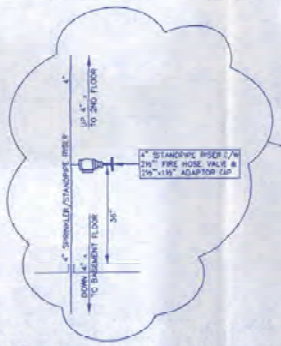
LEGAL DESCRIPTION: LOTS: 17-20 BLOCK: 31 PLAN: C

NORTH-WEST TRAVELLERS BUILDING
515 FIRST STREET S.E.
CALGARY, ALBERTA.

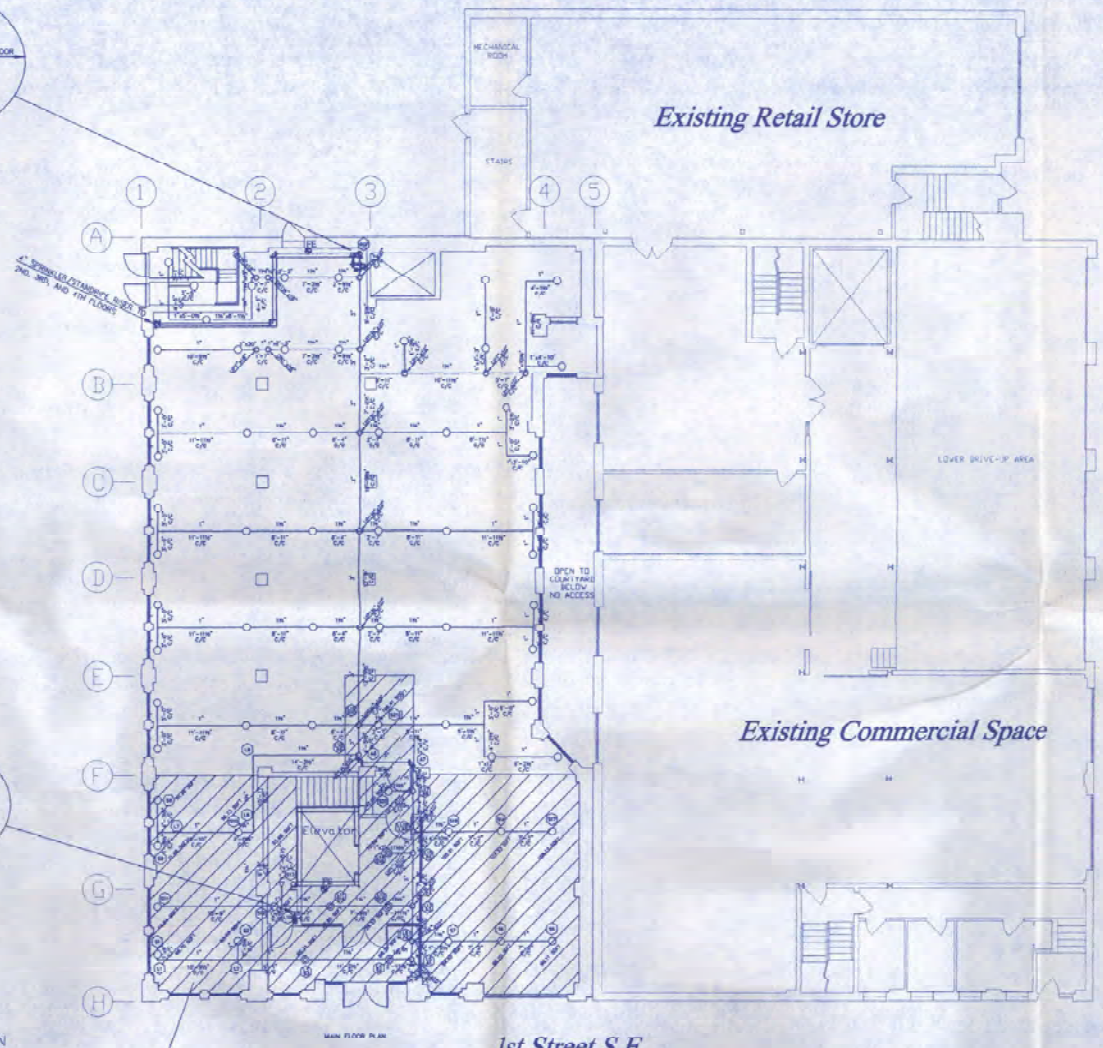
CHECKED BY: FURBY NICHOLSON — 84"=36"
DRAWN BY: FURBY NICHOLSON — DEC 2002
CITY OF CALGARY - BUILDING & FIRE DEPTS
NFPA 903 - ORDINARY HAZARD GROUP TWO
BASEMENT FLOOR SPRINKLER SYSTEM
A2241 | A2241-1



SRINKLER ZONE STATION
(DO NOT SCALE)



TYPICAL STANDPIPE HOSE STATION
(DO NOT SCALE)



DESIGN AREA NUMBER ONE
NFPA 13 1Y ORDINARY HAZARD GROUP TWO OCCUPANCY
(0.20 OVER 1340.90 SQFT)
TOTAL NUMBER OF OR SPRINKLERS CALCULATED = 31
TOTAL AVAILABLE WATER SUPPLY = 92.70 PSI @ 708.5 USGPM
TOTAL REQUIRED WATER SUPPLY = 57.40 PSI @ 708.5 USGPM
DESIGN SAFETY FACTOR = 35.30 PSI @ 708.5 USGPM

PERMIT TO PRACTICE
FIRECODE ENGINEERING LTD.
05 DECEMBER 2002
PERMIT NUMBER P6054

FIRE CODE ENGINEERING LTD.
2nd Flr, 814 - 16 Ave. N.W.
Calgary, Alberta T2M 0J9
Telephone: (403) 264-3675

CITY OF CALGARY
PLANNING AND BUILDING DEPARTMENT
BUILDING REGULATIONS DIVISION
FOR CONDITIONS SEE ATTACHED
PERMIT APPROVAL
DATE JAN 7 2003
EXAMINED BY SONIA KLAMER
BP 02/1306

STOUGHTON FIRE PROTECTION
Suite 837, 3515-32nd Avenue NE
Calgary, Alberta, CT 6M6
Office: (403) 291 9079
Fax: (403) 291-5736

NOTES:
- THE SPRINKLER SYSTEM HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF NFPA 13 (1996 EDITION) FOR ORDINARY HAZARD GROUP TWO OCCUPANCIES OVER 1990 SQFT).
- ALL STEEL PIPING TO BE "SPRAYWELD" ASTM A-795 SCH 40 REPLACEMENT
- ALL MAIN PIPING TO BE "SPRAYWELD" ASTM A-795 SCH 40 REPLACEMENT
- ALL FITTINGS ON MAIN PIPING TO BE GROOVED MECHANICAL TEES ELBOWS, STRAIGHT TEES, COUPLINGS, ETC.).
- ALL FITTINGS ON LINE PIPING TO BE STRAP TEES, OR CAST IRON GROOVED TO SUIT APPLICATION.
- WATER SUPPLY INFORMATION OBTAINED FROM THE CITY OF CALGARY. THE HYDRAULIC CALCULATION IS BASED ON THE FOLLOWING WATER SUPPLY: STATIC PRESSURE 84.0 PSI RESIDUAL PRESSURE 80.0 PSI @ 1115 USGPM

IMPORTANT:
THE FOLLOWING ITEMS ARE NOT INCLUDED IN THE CONTRACT AWARDED TO STOUGHTON FIRE PROTECTION LIMITED
- FIRE STOPPING AND/OR SEALING
- CUTTING, PATCHING, ELECTRICAL AND FIRE STOPPING
- ELECTRICAL WORK
- PAINTING OF PIPES AND/OR EQUIPMENT
- HEAT TRACING OR INSULATING OF SPRINKLER PIPING
- OUTSIDE SUPPLIES AND VALVE HOUSE TO NFPA STANDARDS
STOUGHTON FIRE PROTECTION TO START AT A FLANGED CONNECTION LEFT BY OTHERS.

IMPORTANT:
IN LOCALITIES SUBJECT TO FREEZING CONDITIONS, IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE HEAT IMMEDIATELY WET PIPE SPRINKLERED AREAS AND IN ENCLOSURES CONTAINING MAIN CONTROL VALVES AND OTHER TYPES OF VALVES WHICH CONTROL THE SPRINKLER SYSTEMS.

THIS DRAWING AND THE DESIGN INFORMATION CONTAINED WITHIN ARE THE PROPERTY OF STOUGHTON FIRE PROTECTION LIMITED.

INFORMATION CONTAINED SHALL BE TREATED AS CONFIDENTIAL. NO REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF SHALL BE MADE WITHOUT WRITTEN CONSENT FROM STOUGHTON FIRE PROTECTION LIMITED.

ANY CONTRACTOR OR SUPPLIER USING THIS BLUEPRINT SHOULD VERIFY ALL DIMENSIONS, QUANTITIES, AND SPECIFICATIONS AND NOTIFY THE DESIGNER OF ANY ERRORS AND/OR OMISSIONS BEFORE IMPLEMENTATION.

TOTAL SPRINKLERS ON THIS DRAWING

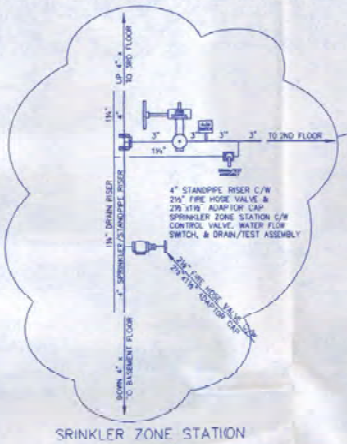
DESCRIPTION	½" ACTIVE	½" ORIFICE	TEMP	SYMBOL	TOTAL
WIRING MOREFAST OR CHROME UPRIGHT SPRINKLER	3/8	1/2"	155F	○	51
WIRING MOREFAST OR CHROME PENDENT SPRINKLER	3/8	1/2"	155F	⊕	9
WIRING MOREFAST OR CHROME HORZ. SIDEWALL SPRINKLER	3/8	1/2"	155F	▷	1
PORTABLE FIRE EXTINGUISHERS				🧯	7
TOTAL SPRINKLERS ON THIS DRAWING					68

REV.	DESCRIPTION	DATE
1	ISSUED FOR APPROVAL	DEC/02

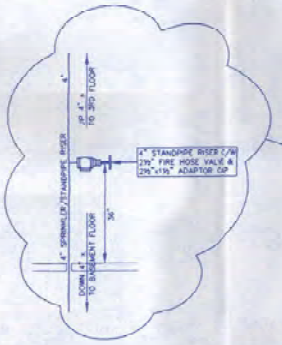
DEVELOPMENT PERMIT NUMBER: D.P.# 2002-02625
BUILDING PERMIT NUMBER: B.P.# 2002-13048
LEGAL DESCRIPTION: LOTS: 17-20 BLOCK: 31 PLAN: C

NORTH-WEST TRAVELLERS BUILDING
515 FIRST STREET S.E.
CALGARY, ALBERTA.

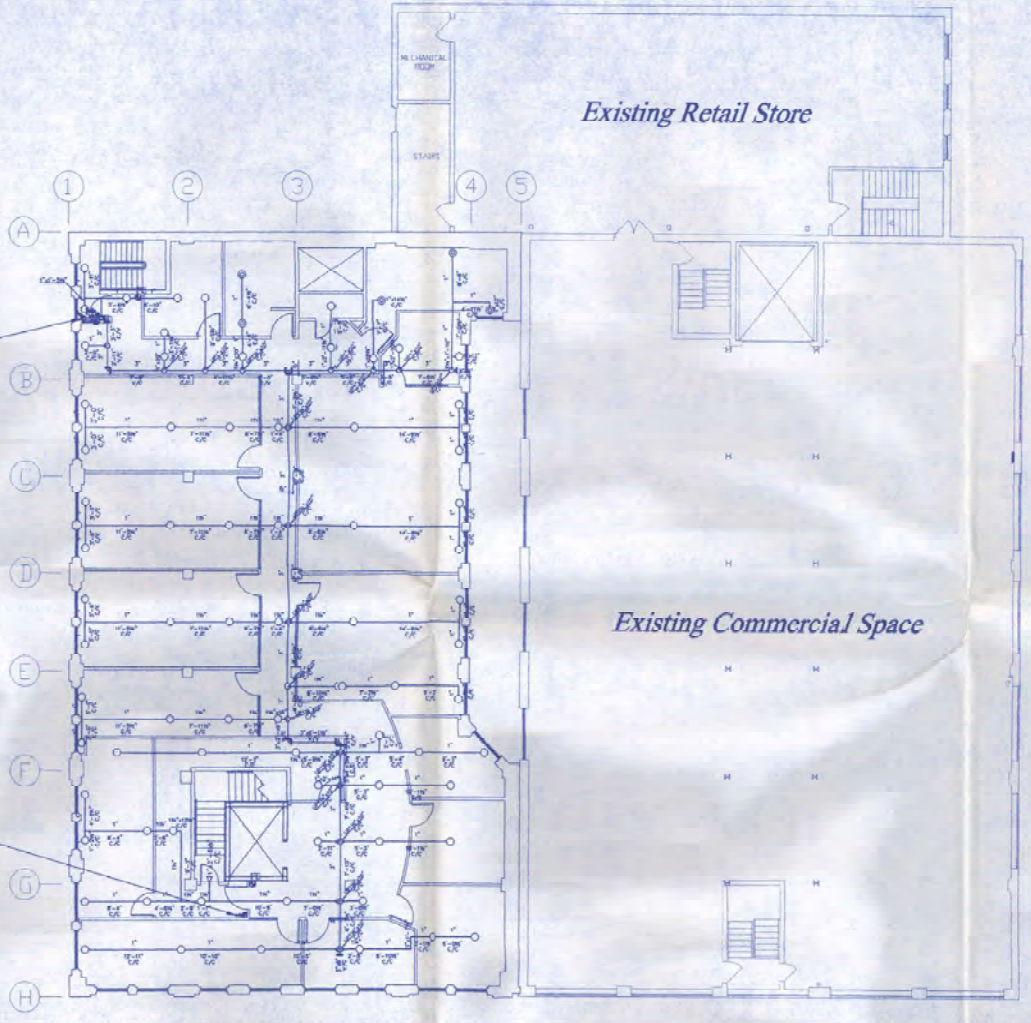
CHECKED BY: FURBY NICHOLSON | 24"x36"
DRAWN BY: FURBY NICHOLSON | DEC 2002
CITY OF CALGARY / BUILDING & FIRE DEPTS
NFPA 13 SPRINKLER / STANDPIPE SYSTEM
MAIN FLOOR SPRINKLER SYSTEM
A22#1 | A22#1-2



SRINKLER ZONE STATION
(DO NOT SCALE)



TYPICAL STANDPIPE HOSE STATION
(DO NOT SCALE)



SECOND FLOOR PLAN

W
S N
E

PERMIT TO PRACTICE
FIRECODE ENGINEERING LTD.
Signature
Date 05 DECEMBER 2002
PERMIT NUMBER: P6854
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

FIRE CODE
ENGINEERING LTD.
2nd Flr, 814 - 16 Ave. N.W.
Calgary, Alberta T2M 0J9
Telephone: (403) 284-3673

CITY OF CALGARY
BUILDING AND SIGNS DEVELOPMENT
BUILDING REGULATIONS SECTION
FOR CONDITIONS SEE ATTACHED
PERMIT SIGNOFF SHEET
DATED JAN - 7 2003
EXAMINED BY SONIA KLAMER
B.P.# 02/136687

STOUGHTON FIRE PROTECTION
Suite 837, 3040-32nd Avenue N.E.
Calgary, Alberta. T1Y 6M6
OFFICE (403) 291-0251
Fax (403) 291-5236

NOTES:
- THE SPRINKLER SYSTEM HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF NFPA#13 (1999 EDITION) LIGHT HAZARD OCCUPANCY.
- ALL LINE PIPING TO BE "DYNAMIC PIPE" ASTM A-795 SCH 40 REPLACEMENT
- ALL MAIN PIPING TO BE "DYNALOY" ASTM A-795 SCH 10 REPLACEMENT
- ALL FITTINGS ON MAIN PIPING TO BE GROOVED. (MECHANICAL TEES, ELBOWS, STRAIGHT TEES, COUPLINGS, ETC.)
- ALL FITTINGS ON LINE PIPING TO BE STRAP TEES OR CAST IRON GROOVED 90 ELBOW CONNECTION.
- WATER SUPPLY INFORMATION OBTAINED FROM THE CITY OF CALGARY. THE HYDRAULIC CALCULATION IS BASED ON THE FOLLOWING WATER SUPPLY STATIC PRESSURE 94.0 PSI RESIDUAL PRESSURE 81.0 PSI @ 1115 USGPM

IMPORTANT:
THE FOLLOWING ITEMS ARE NOT INCLUDED IN THE CONTRACT AWARDED TO STOUGHTON FIRE PROTECTION LIMITED
- FIRE HOSE CABINETS, RACKS OR HOSE.
- FIRE EXTINGUISHERS OR CABINETS.
- ELECTRICAL WORK.
- PAINTING OF PIPE AND/OR EQUIPMENT.
- HEAT TRACING OR INSULATION OF SPRINKLER PIPING.
- CUTTING, REMOVING AND MAKE GOOD TO NFPA STANDARDS.

STOUGHTON FIRE PROTECTION TO START AT A FLANGED CONNECTION LEFT BY OTHERS.

IMPORTANT:
IN LOCATIONS SUBJECT TO FREEZING CONDITIONS, IT IS THE OWNER'S RESPONSIBILITY TO ENSURE HEAT THROUGHOUT WET PIPE SPRINKLERED AREAS AND IN ENCLOSURES CONTAINING MAIN PIPING VALVES AND OTHER TYPES OF VALVES WHICH CONTROL THE SPRINKLER SYSTEMS.

THIS DRAWING AND THE DESIGN INFORMATION CONTAINED WITHIN ARE THE PROPERTY OF STOUGHTON FIRE PROTECTION LIMITED.

INFORMATION CONTAINED SHALL BE TREATED AS CONFIDENTIAL. NO REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF SHALL BE MADE WITHOUT WRITTEN CONSENT FROM STOUGHTON FIRE PROTECTION LIMITED.

ANY CONTRACTOR OR PERSON USING THIS BLUEPRINT SHOULD VERIFY ALL DIMENSIONS, QUESTIONS, AND OMISSIONS AND NOTIFY THE ENGINEER OF ANY ERRORS AND/OR DISCREPANCIES BEFORE IMPLEMENTATION.

TOTAL SPRINKLERS ON THIS DRAWING

DESCRIPTION	K FACTOR	ORIFICE	TEMP	FINISH	TOTAL
WHITE MICROFAST QR CHROME UPRIGHT SPRINKLER	5.6	1/2"	155F	CHROME	52
WHITE MICROFAST QR CHROME PENDENT SPRINKLER	5.6	1/2"	155F	CHROME	4
WHITE MICROFAST QR CHROME HORIZ. SIDEWALL SPRINKLER	5.6	1/2"	155F	CHROME	1
PORTABLE FIRE EXTINGUISHER					7
TOTAL SPRINKLERS ON THIS DRAWING					65

REV	DESCRIPTION	DATE
1	ISSUED FOR APPROVAL	DEC/02

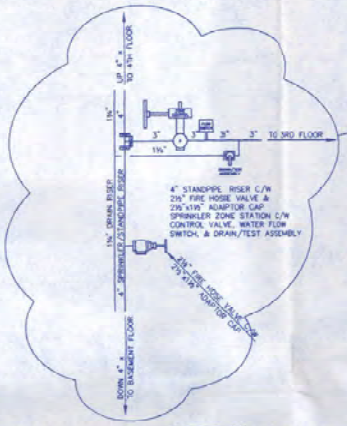
DEVELOPMENT PERMIT NUMBER:
D.P.# 2002-0885

BUILDING PERMIT NUMBER:
B.P.# 2002-13668

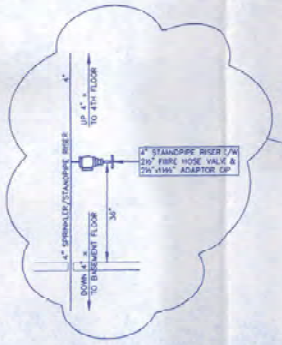
LEGAL DESCRIPTION:
LOTS: 17-20
BLOCK: 31
PLAN: 6

NORTH-WEST TRAVELLERS BUILDING
515 FIRST STREET S.E.
CALGARY, ALBERTA.

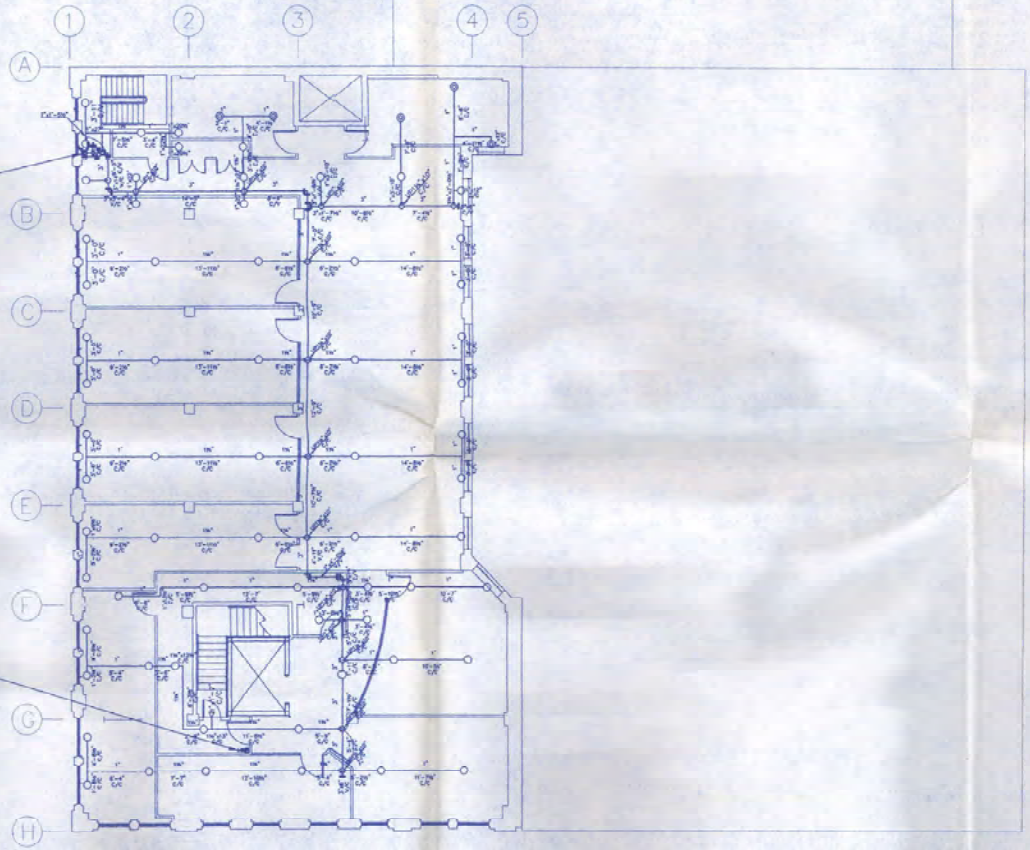
CHECKED BY: TERRY NICHOLSON — 24"=1'-0"
DRAWN BY: TERRY NICHOLSON — DEC '02
CITY OF CALGARY / BUILDING & FIRE DEPTS.
NFPA #13 LIGHT HAZARD OCCUPANCY
SECOND FLOOR SPRINKLER SYSTEM
SCALE: 1/8"=1'-0" — A2241 — A2241-3



SRINKLER ZONE STATION
(DO NOT SCALE)



TYPICAL STANDPIPE HOSE STATION
(DO NOT SCALE)



THIRD FLOOR PLAN

N

W
S
E

PERMIT TO PRACTICE
FIRECODE ENGINEERING LTD.
05 DECEMBER 2002

FIRE CODE
ENGINEERING LTD.
2nd Flr, 814 - 16 Ave. N.W.
Calgary, Alberta T2M 0J9
Telephone: (403) 284-3673

STOUGHTON FIRE PROTECTION
Suite 837, 3545-32nd Avenue NE
Calgary, Alberta, T1Y 6M6
Office: (403) 291-0292
Fax#(403) 291-5236

NOTES:
- THE SPRINKLER SYSTEM HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF NFPA#13 (1996 EDITION) LIGHT HAZARD OCCUPANCY (S10 UNDER 1998 SBC 12)
- ALL LINE PIPING TO BE "SYMMETRICAL" ASTM A-795 SCH.40 REPLACEMENT
- ALL MAIN PIPING TO BE "SYMMFLOW" ASTM A-795 SCH.10 REPLACEMENT
- ALL FITTINGS ON MAIN PIPING TO BE GROOVED MECHANICAL TEES, ELBOWS, STRAIGHT TEES, COUPLINGS ETC.)
- ALL FITTINGS ON LINE PIPING TO BE STREAT TEES, OR CAST IRON SCREWED TO SUIT APPLICATION.
- WATER SUPPLY INFORMATION OBTAINED FROM THE CITY OF CALGARY. THE HYDRAULIC CALCULATION IS BASED ON THE FOLLOWING WATER SUPPLY STATIC PRESSURE 94.0 PSI
RESIDUAL PRESSURE 91.0 PSI @ 1715 USGPM

IMPORTANT:
THE FOLLOWING ITEMS ARE NOT INCLUDED IN THE CONTRACT AWARDED TO STOUGHTON FIRE PROTECTION LIMITED
- FIRE HOSE CABINETS, RACKS OR HOSES
- FIRE PUMP AND/OR BOOSTER PUMP
- CUTTING, PATCHING, SLEEVING, PIPE SUPPORTS
- ELECTRICAL WORK
- PAINTING OF PIPE AND/OR EQUIPMENT
- HEAT TRACING OR INSULATING OF SPRINKLER PIPING
- GLYCOL SYSTEMS AND THEIR DETAILS TO NFPA STANDARDS

STOUGHTON FIRE PROTECTION IS TO START AT A FLANGED CONNECTION LEFT BY OTHERS.

IMPORTANT:
IN LOCALITIES SUBJECT TO FREEZING CONDITIONS, IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE HEAT SATISFACTORILY TO ALL FIRE SPRINKLERED AREAS AND IN ENCLOSURES CONTAINING MAIN CONTROL VALVES AND OTHER TYPES OF VALVES WHICH CONTROL THE SPRINKLER SYSTEMS.

THIS DRAWING AND THE DESIGN INFORMATION CONTAINED WITHIN ARE THE PROPERTY OF STOUGHTON FIRE PROTECTION LIMITED.

INFORMATION CONTAINED SHALL BE TREATED AS CONFIDENTIAL, NO REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF SHALL BE MADE WITHOUT WRITTEN CONSENT FROM STOUGHTON FIRE PROTECTION LIMITED.

ANY CONTRACTOR OR PERSON USING THIS BLUEPRINT SHOULD VERIFY ALL DIMENSIONS, QUANTITIES, AND SPECIFICATIONS AND REPORT THE DISCOVERY OF ANY ERRORS AND/OR OMISSIONS BEFORE IMPLEMENTATION.

TOTAL SPRINKLERS ON THIS DRAWING

DESCRIPTION	K FACTOR	ORIFICE	TEMP	STYLES	TOTAL
10MG MICROFAST QR CHROME UPRIGHT SPRINKLER	5.6	1/2"	155F	○	85
10MG MICROFAST QR CHROME PENDENT SPRINKLER	5.6	1/2"	155F	◎	5
10MG MICROFAST QR CHROME HORZ. SIDEWALL SPRINKLER	5.6	1/2"	155F	◁	1
PORTABLE FIRE EXTINGUISHERS				◉	4
TOTAL SPRINKLERS ON THIS DRAWING					95

REV.	DESCRIPTION	DATE
1	ISSUED FOR APPROVAL	DEC/02

DEVELOPMENT PERMIT NUMBER:
D.P.# 2002-02075

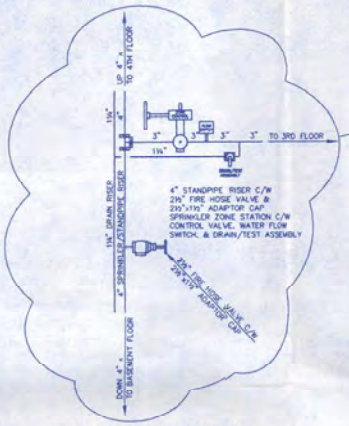
BUILDING PERMIT NUMBER:
B.P.# 2002-13068

LEGAL DESCRIPTION:
LOTS: 17-20
BLOCK: 31
PLAN: C

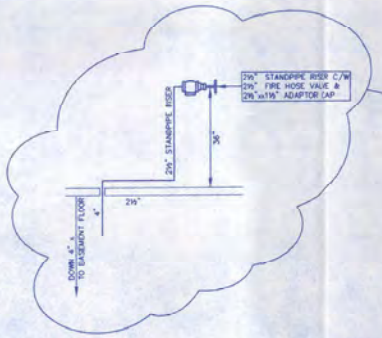
NORTH-WEST TRAVELLERS BUILDING

515 FIRST STREET S.E.
CALGARY, ALBERTA.

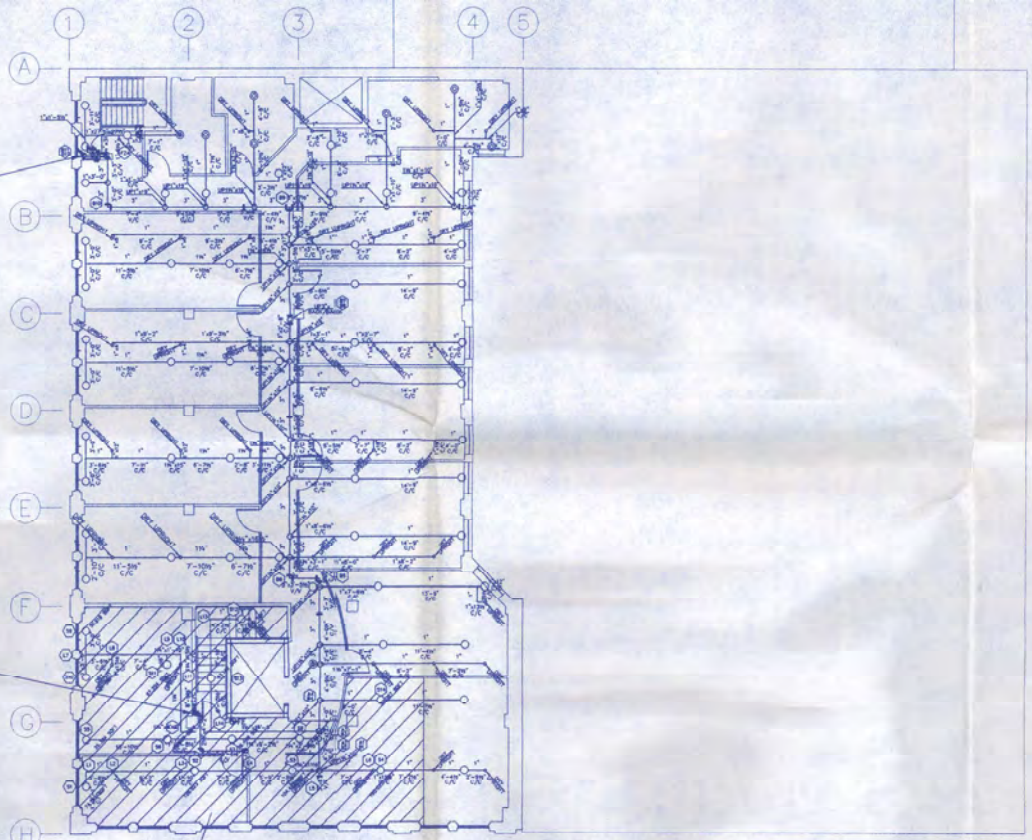
CHECKED BY: FURBY NICHOLSON	24"=1'-0"
DRAWN BY: FURBY NICHOLSON	DEC. 2002
CITY OF CALGARY / BUILDING & FIRE DEPTS	
NFPA #13 LIGHT HAZARD OCCUPANCY	
THIRD FLOOR SPRINKLER SYSTEM	
SHEET NO.	A2241 A2241-4



SRINKLER ZONE STATION
(DO NOT SCALE)



STANDPIPE HOSE STATION
(DO NOT SCALE)



FOURTH FLOOR PLAN

DESIGN AREA NUMBER FOUR
NFPA # 13 LIGHT HAZARD OCCUPANCY
(0.10 OVER 977 SQFT)
TOTAL NUMBER OF OR SPRINKLERS CALCULATED = 14
TOTAL AVAILABLE WATER SUPPLY = 93.50 PSI @ 429.2 USGPM
TOTAL REQUIRED WATER SUPPLY = 79.50 PSI @ 429.2 USGPM
DESIGN SAFETY FACTOR = 14.00 PSI @ 429.2 USGPM

PERMIT TO PRACTICE
FIRECODE ENGINEERING LTD.
Signature
Date 05 DECEMBER 2002
PERMIT NUMBER: P8054
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

FIRE CODE
ENGINEERING LTD.
2nd Flr, 814 - 16 Ave. N.W.
Calgary, Alberta T2M 0J9
Telephone: (403) 284-3673

CITY OF CALGARY
PLANNING AND BUILDING DEPT.
BUILDING REGULATIONS
FOR CONSTRUCTION
PERMIT DOES NOT INCLUDE
DATED JAN - 7 2003
EXAMINED BY SONIA KUMER

STOUGHTON FIRE PROTECTION
Suite 937, 3545-32nd Avenue N.E.
Calgary, Alberta, T1Y 6M6
Office: (403) 291-5291
Fax:(403) 291-5236

NOTES:
- THE SPRINKLER SYSTEM HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF NFPA#13 (1996 EDITION) LIGHT HAZARD OCCUPANCY (0.10 OVER 968 SQFT).
- ALL LINE PIPING TO BE "SYMATHREAD" ASTM A-795 SCH.40 REPLACEMENT
- ALL MAIN PIPING TO BE "SYMAFLOW" ASTM A-795 SCH.10 REPLACEMENT
- ALL FITTINGS ON MAIN PIPING TO BE GROOVED. (MECHANICAL TEES, ELBOWS, STRAIGHT TEES, COUPLINGS, ETC.)
- ALL FITTINGS ON LINE PIPING TO BE STRAP TEES, OR CAST IRON SCREWED TO SUIT APPLICATION.
- WATER SUPPLY INFORMATION OBTAINED FROM THE CITY OF CALGARY. THE HYDRAULIC CALCULATION IS BASED ON THE FOLLOWING WATER SUPPLY
STATIC PRESSURE 84.0 PSI
RESIDUAL PRESSURE 84.0 PSI @ 3115 USGPM

IMPORTANT:
THE FOLLOWING ITEMS ARE NOT INCLUDED IN THE CONTRACT AWARDED TO STOUGHTON FIRE PROTECTION LIMITED.
- FIRE HOSE CABINETS, RACKS, OR REELS.
- FIRE PUMP AND/OR BOOSTER PUMP.
- CUTTING, PATCHING, SLEEVING, AND FIRE STOPPING
- ELECTRICAL WORK.
- PAINTING OF PIPE AND/OR EQUIPMENT.
- HEAT TRACING OR INSULATING OF SPRINKLER PIPING.
- OUTSIDE SERVICES AND WATER TESTING TO NFPA STANDARDS.
STOUGHTON FIRE PROTECTION TO START AT A FLANGED CONNECTION LEFT BY OTHERS.

IMPORTANT:
IN LOCALITIES SUBJECT TO FREEZING CONDITIONS, IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE HEAT THROUGHOUT WET PIPE SPRINKLERED AREAS AND IN ENCLOSURES CONTAINING MAIN CONTROL VALVES AND OTHER TYPES OF VALVES WHICH CONTROL THE SPRINKLER SYSTEMS.

THIS DRAWING AND THE DESIGN INFORMATION CONTAINED WITHIN ARE THE PROPERTY OF STOUGHTON FIRE PROTECTION LIMITED.

INFORMATION CONTAINED SHALL BE TREATED AS CONFIDENTIAL, NO REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF SHALL BE MADE WITHOUT WRITTEN CONSENT FROM STOUGHTON FIRE PROTECTION LIMITED.

ANY CONTRACTOR OR PERSON USING THIS BLUEPRINT SHOULD VERIFY ALL DIMENSIONS, QUOTATIONS, AND SPECIFICATIONS AND INFORM THIS DESIGNER OF ANY ERRORS AND/OR OMISSIONS BEFORE IMPLEMENTATION.

TOTAL SPRINKLERS ON THIS DRAWING

DESCRIPTION	"K" FACTOR	ORIFICE	TEMP	SYMBOL	TOTAL
VIKING MICROFAST OR CHROME UPRIGHT SPRINKLER	5.6	1/2"	155F	○	66
VIKING MICROFAST OR CHROME PENDENT SPRINKLER	5.6	1/2"	155F	◎	6
PORTABLE FIRE EXTINGUISHERS				◆	2
TOTAL SPRINKLERS ON THIS DRAWING					74

REV.	DESCRIPTION	DATE
1	ISSUED FOR APPROVAL	DEC/02

DEVELOPMENT PERMIT NUMBER:
D.P.# 2002-02625

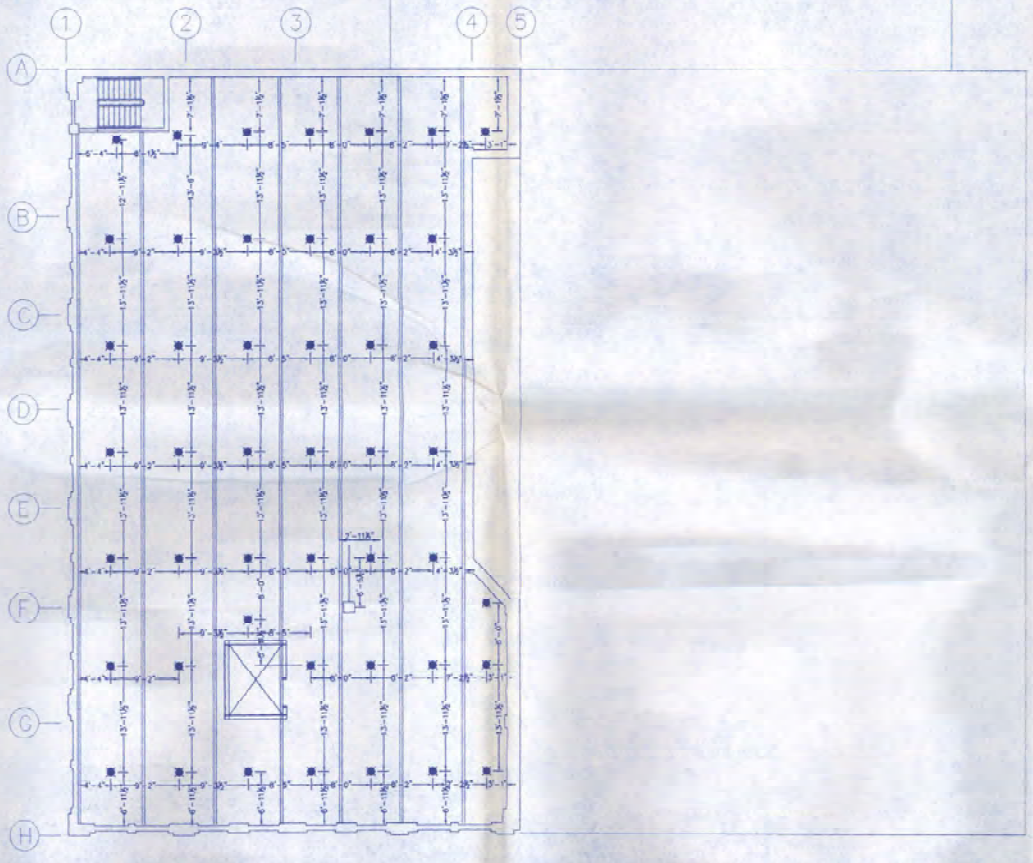
BUILDING PERMIT NUMBER:
B.P.# 2002-13068

LEGAL DESCRIPTION:
LOTS: 17-20
BLOCK: 31
PLAN: C

NORTH-WEST TRAVELLERS BUILDING

515 FIRST STREET S.E.
CALGARY, ALBERTA.

CHECKED BY: FURBY NICHOLSON	24"x36"
DRAWN BY: FURBY NICHOLSON	DEC 2002
CITY OF CALGARY / BUILDING & FIRE DEPTS	
NFPA #13 LIGHT HAZARD OCCUPANCY	
FOURTH FLOOR SPRINKLER SYSTEM	
1/8"=1'-0"	A2241 A2241-5



PERMIT TO PRACTICE
FIRECODE ENGINEERING LTD.
Signature
Date 05 DECEMBER 2002
PERMIT NUMBER: P8824
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

FIRE CODE ENGINEERING LTD.
2nd Flr. 814 - 16 Ave. N.W.
Calgary, Alberta T2M 0J9
Telephone: (403) 284-3673

STOUGHTON FIRE PROTECTION
Suite 837, 3545-32nd Avenue NE
Calgary, Alberta T1Y 6M6
Office: (403) 291-0291
Fax:(403) 291-5236

DESIGNED BY: JAY

NOTES:

- THE SPRINKLER SYSTEM HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF REPAIRS (FIRE FLEXIBLE) LIGHT HAZARD OCCUPANCY (0.10 OVER 1000 SQFT).
- ALL WET PIPING TO BE "DYNATHREAD" ASTM A-795 SCH 10 REPLACEMENT
- ALL MAIN PIPING TO BE "DYNAFLOW" ASTM A-795 SCH 10 REPLACEMENT
- ALL FITTINGS ON 65MM PIPING TO BE GROOVED. (MECHANICAL TEES, ELBOWS, STRAIGHT TEES, COUPLINGS, ETC.)
- ALL FITTINGS ON LINE PIPING TO BE STEAM TEES, OR CAST IRON SCREWED TO SUIT APPLICATION.
- WATER SUPPLY INFORMATION OBTAINED FROM THE CITY OF CALGARY. THE SPRINKLER CALCULATION IS BASED ON THE FOLLOWING WATER SUPPLY STATIC PRESSURE 84.0 PSI
  RESIDUAL PRESSURE 91.0 PSI @ 1115 USGPM

IMPORTANT:

THE FOLLOWING ITEMS ARE NOT INCLUDED IN THE CONTRACT AWARDED TO STOUGHTON FIRE PROTECTION LIMITED
- FIRE HOSE CABINETS, VALVES OR HOSES
- CUTTING, PATCHING
- FIRE RATED CEILINGS AND FIRE STOPPING
- PAINTING OF PIPE AND WORK EQUIPMENT
- HEAT TRACING OR INSULATING OF SPRINKLER PIPING OUTSIDE BUILDING AND WATER TESTING TO NFPA STANDARDS.

STOUGHTON FIRE PROTECTION 300 START AT 6 FLANGED CONNECTION LEFT BY OTHERS.

IMPORTANT:

IN LOCALITIES SUBJECT TO FREEZING CONDITIONS, IT IS THE OWNER'S RESPONSIBILITY TO ENSURE HEAT THROUGHOUT NOT PIPE SPRINKLERED AREAS AND IN ENCLOSURES CONTAINING MAIN CONTROL VALVES AND OTHER TYPES OF VALVES WHICH CONTROL THE SPRINKLER SYSTEMS.

THIS DRAWING AND THE DESIGN INFORMATION CONTAINED WITHIN ARE THE PROPERTY OF STOUGHTON FIRE PROTECTION LIMITED.

INFORMATION CONTAINED SHALL BE TREATED AS CONFIDENTIAL. NO REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF SHALL BE MADE WITHOUT WRITTEN CONSENT FROM STOUGHTON FIRE PROTECTION LIMITED.

ANY CONTRACTOR OR PERSON USING THIS BLUEPRINT SHOULD VERIFY ALL DIMENSIONS, QUANTITIES, AND SPECIFICATIONS AND REPORT SUCH SCHEMES OF ANY ERRORS AND/OR OMISSIONS BEFORE IMPLEMENTATION.

TOTAL SPRINKLERS ON THIS DRAWING

DESCRIPTION	STANDARD	UPRIGHT	PENDENT	SIDEWALL	TOTAL
WET WOOD & WATER TOPCOAT DRY UPRIGHT SPRINKLER	3/8	1/2"	3/8"	■	98
TOTAL SPRINKLERS ON THIS DRAWING					98

REV	DESCRIPTION	DATE
1	ISSUED FOR APPROVAL	DEC/02

DEVELOPMENT PERMIT NUMBER:
D.P.# 2002-03626

BUILDING PERMIT NUMBER:
B.P.# 2002- 19088

LEGAL DESCRIPTION:
LOTS: 17-20
BLOCK: 31
PLAN: C

NORTH-WEST TRAVELLERS BUILDING

515 FIRST STREET S.E.
CALGARY, ALBERTA

SCALE	3/4"=1'-0"
DRAWN BY: FURBY NICHOLSON	DES. 2002
CITY OF CALGARY / BUILDING & FIRE DEPTS	
NFPA #13 LIGHT HAZARD OCCUPANCY	
FOURTH FLOOR BLIND SPACE SPRINKLER SYSTEM	
WORK ORDER	A2241 | A2241-6