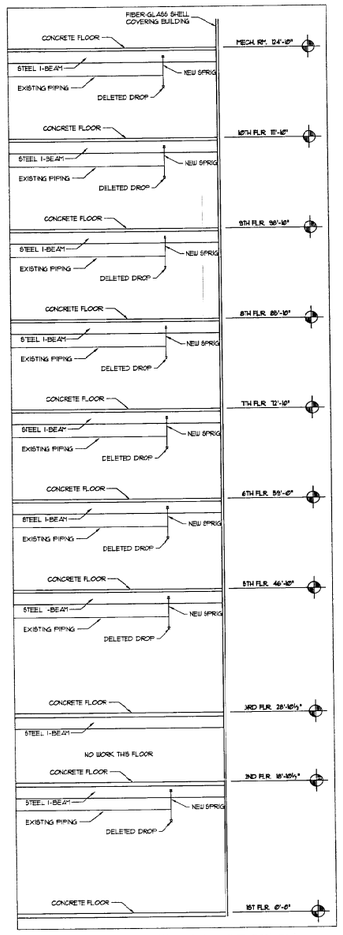
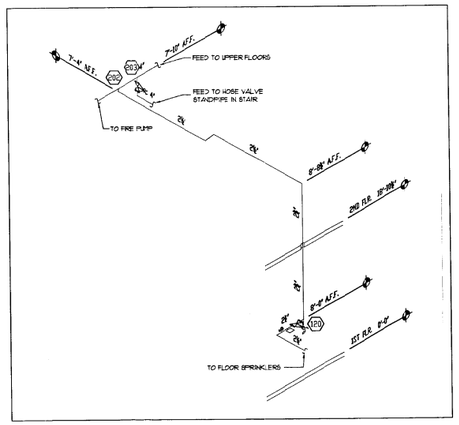


C 1 TYPICAL BUILDING SECTION

SCALE: ¼" = 1'-0"

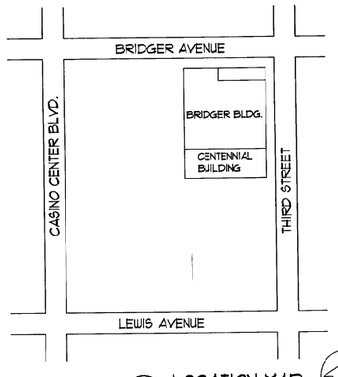


D 1 FIRST FLOOR FEED

SCALE: ⅛" = 1'-0"

GENERAL NOTES:

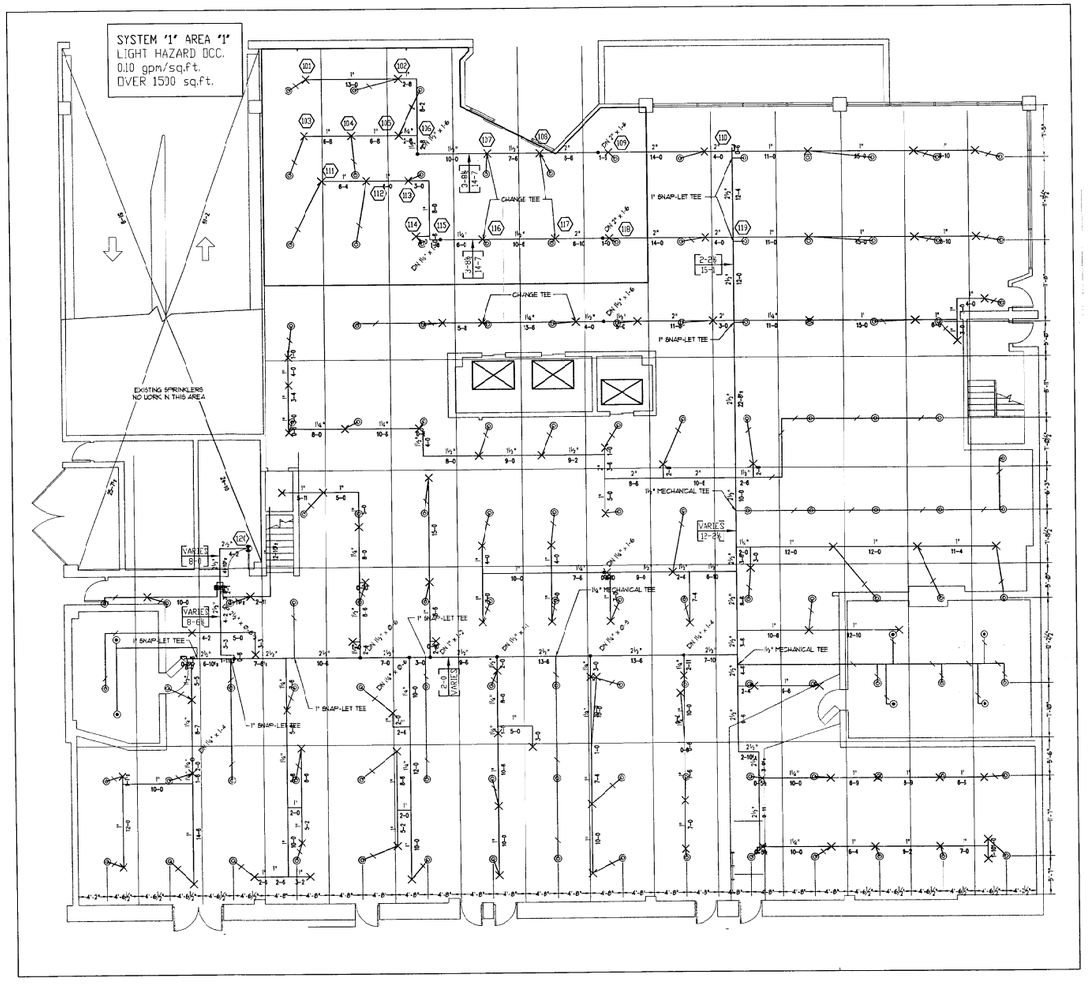
1. PROVIDE A NEW WET SPRINKLER SYSTEM ON PARKING LEVEL 3B TO MATCH EXISTING WET SYSTEMS ON LEVELS 2 AND 4. LEVEL 3B IS TO BE SUPPLIED FROM THE EXISTING RISER IN THE EAST STAIR.
2. PROVIDE NEW SPRINKLERS IN THE EXISTING FILE STORAGE ROOM AND VAULT ON THE FIRST FLOOR.
3. FLOORS 1B,6,7,8,9 AND 10:
   THESE FLOORS HAVE EXISTING FIRE SPRINKLER SYSTEMS WHICH NEED TO HAVE THE SPRINKLER HEAD LOCATIONS REVISED DUE TO THE REMOVAL OF ALL OF THE CEILINGS. THE EXISTING 1" ARMOVERS AND DROPS ARE TO BE REMOVED AND NEW PIPE AND FITTINGS ADDED AS NECESSARY, TO FEED NEW 1/2" ORIFICE, QUICK RESPONSE, 155°F SPRINKLER HEADS. OTHER SPRINKLER CRITERIA INCLUDES:
   15'-0" MAXIMUM SPACING BETWEEN SPRINKLERS.
   7'-6" MAXIMUM SPACING FROM WALLS.
   12" MAX. DEFLECTOR DIST. FROM DECK FOR UNOBSTRUCTED CONSTRUCTION.
   22" MAX. DEFLECTOR DIST. FROM DECK FOR OBSTRUCTED CONSTRUCTION.
   6'-0" MINIMUM SPACING BETWEEN SPRINKLERS.
4. REPAIR OR REPLACE EXISTING HANGERS PER NFPA 13.
5. REMOVE EXISTING HOSE CABINETS (2 PER FLOOR) AND CAP EXISTING WATER SUPPLY LINE.
6. RECONNECT THE EXISTING FIRE ALARM CONTROL PANEL ON THE FIRST FLOOR TO THE ELEVATOR CONTROLS, TO PROVIDE AUTOMATIC RECALL (CONTROLS WERE DISCONNECTED DURING THE ASBESTOS ABATEMENT PROJECT.)
7. REPLACE EXISTING CORRODED OS&Y FLOOR CONTROL VALVES ON THE 3RD, 5TH 6TH, 7TH, AND 9TH FLOORS AND RECONNECT THE TAMPER SWITCHES.
8. REPAIR/REPLACE VALVE TAMPER SWITCHES ON FLOORS 7,9,A AND B, FOR RECIEPT OF PROPER SUPERVISORY SIGNALS AT THE BUILDING FIRE ALARM CONTROL PANEL.
9. REPAIR/REPLACE WATERFLOW ALARM SWITCH FOR THE 8TH FLOOR SPRINKLER SYSTEM, FOR RECIEPT OF PROPER ALARM SIGNALS AT THE BUILDING FIRE ALARM CONTROL PANEL.
10. REMOUNT AN EXISTING FIREMAN'S PHONE JACK IN THE 2ND FLOOR EAST STAIR.
11. THE FIRE SPRINKLERS IN THE CENTENIAL BUILDING ON THE SOUTH SIDE OF THE BRIDGER BUILDING IS FED FROM THE BRIDGER BUILDING SYSTEM. DELTA FIRE SHALL PROVIDE FOR A FIRE WATCH DURING ANY IMPAIREMENTS TO THE CENTENNIAL BUILDING SPRINKLERS.
12. EXPANSION SHIELDS SHALL BE USED FOR HANGERS AND SWAY BRACES. POWDER-DRIVEN STUDS SHALL NOT BE USED.
13. NEW PIPE 2" AND SMALLER SHALL BE SCHEDULE 40. NEW PIPE 2½" AND LARGER SHALL BE SCHEDULE 10.
14. ALL PIPING SHALL BE HYDROSTATICALLY TESTED AT 200 p.s.i. FOR 2 HOURS AS PER NFPA 13, 1999.
15. ALL PIPE HANGERS AND SWAY BRACING SHALL COMPLY WITH NFPA 13 STANDARDS. SEE PLAN FOR DETAILS AND LOCATIONS.



E 1 LOCATION MAP

SCALE: NONE

NORTH

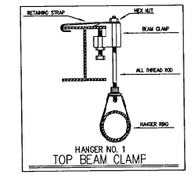


A 1 FIRE SPRINKLER CEILING PLAN LEVEL 1

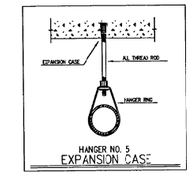
SCALE: ⅛" = 1'-0"

14,469 sq. ft.

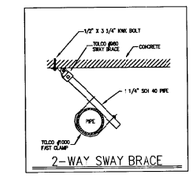
NORTH



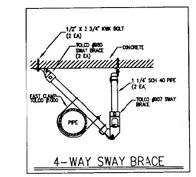
HANGER NO. 1
TOP BEAM CLAMP



HANGER NO. 5
EXPANSION CASE



2-WAY SWAY BRACE



4-WAY SWAY BRACE

NOTES:

ALL NEW PIPING IS 1" SCH. 40 UNLESS NOTED OTHERWISE.

X INDICATES EXISTING 1" OUTLET

CONTRACTOR

THESE PLANS ARE PREPARED AND SUBMITTED BY THE CONTRACTOR AS AN EXEMPTION TO NRS 623.330 FOR WORK UNDER THE CONTRACTOR'S LICENSE CATEGORY AUTHORIZED UNDER NRS 624.

DELTA FIRE SYSTEMS COMPANY NAME	LEE ANDERSON CONTRACTOR REPRESENTATIVE
022018 CONTRACTOR LICENSE NUMBER	
LEE ANDERSON PLANS PREPARED BY	SIGNATURE

AS BUILT

HYDRAULIC DESIGN INFORMATION

☑ THIS SYSTEM IS HYDRAULICALLY DEMANDED ☐ THIS SYSTEM IS NOT HYDRAULICALLY DEMANDED

SYSTEM NUMBER	REMOTE AREA NO.	SYSTEM NUMBER	REMOTE AREA NO.	SYSTEM NUMBER	REMOTE AREA NO.
1	1	-	-	-	-
REMOTE AREA = 1500 SQ. FT.		REMOTE AREA = - SQ. FT.		REMOTE AREA = - SQ. FT.	
DENSITY = .10 GPM/SQ. FT.		DENSITY = - GPM/SQ. FT.		DENSITY = - GPM/SQ. F.	
414.86 GPM (DESIGN) 124.83 GPM (ADJUSTED) PSI INNER BASE		- GPM (DESIGN) - GPM (ADJUSTED) PSI INNER BASE - GPM HOSE		- GPM (DESIGN) - GPM (ADJUSTED) PSI INNER BASE - GPM HOSE	
100 GPM					

SUPPLY - STATIC PSID - RESIDUAL PSID - GPM FLOWING

☑ FIRE PUMP SEE PUMP DATA

DATE	REVISION	BY	ISSUE
10-1-02	AS BUILT DRAWINGS	L.A.	B
	TESTS TO BE WITNESSED BY:	PHONE No.	

NORTH

NOTICE:
IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN ALL OF THE FIRE PROTECTION SYSTEMS. FAILURE OF PROPERLY MAINTAINING SET FIRE SPRINKLER SYSTEMS AND IN ROOMS FOR DRY PIPE, DELUGE AND OTHER VALVES CONTROLLING WATER SUPPLIES TO AUTOMATIC SPRINKLER SYSTEMS.

TEST DATE: 10 DEC 01

SYMBOLS

- ALARM VALVE RISER
- DRY PIPE RISER
- FLOW SWITCH RISER
- DELUGE VALVE RISER
- PIPE "RISE"
- PIPE "DROP"
- SWAY BRACING
- PIPE HANGER (SEE CHART)
- SPRIG / DROP (SEE CHART)
- FLEXIBLE GROOVED COUPLING
- RIGID GROOVED COUPLING
- THREADED PIPE COUPLING
- CONTROL VALVE
- CHECK VALVE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- WATER MOTOR GONG
- ELECTRIC ALARM BELL
- (A-1) MAIN PIPE NUMBER
- 21-0 MAIN PIPE LENGTH
- (01) BRANCHLINE NUMBER
- (08) HYDRAULIC CALC REFERENCE
- (F) OF PIPE BELOW DECK / CEILING
- (C) OF PIPE ABOVE FINISHED FLOOR
- (E) CEILING ELEVATION
- (B) ELEVATION DATUM

HEAD COUNT

SYMBOL	MAKE	MODEL		TYPE	FINISH	K-FACTOR	ORIFICE	TEMP.	CONCEPT	QUANTITY
(G)	RELIABLE	FRR		SPRIG	BRASS	5.62	1/2"	155°	-	123
(H)	RELIABLE	FRR		PENDENT	CHROME	5.62	1/2"	155°	2 PIECE	6
649	TOTAL PROJECT SPRINKLERS								TOTAL SPRINKLERS THIS SHEET ONLY	129

DELTA FIRE SYSTEMS INC.
Fire Protection at its BEST

☑ 8467 PIONEER RD.
SALT LAKE CITY, UTAH 84124
PH.: (801) 972-9900
FAX.: (801) 972-8843
UT CONT. LICENSE NO. 22-227-199-5902

☐ 1864 SPICER AVENUE
SPARKS, NEVADA 89431
PH.: (775) 355-7220
FAX.: (775) 355-7221
NV CONT. LICENSE NO. 0026318

JOB NAME: BRIDGER BULDING

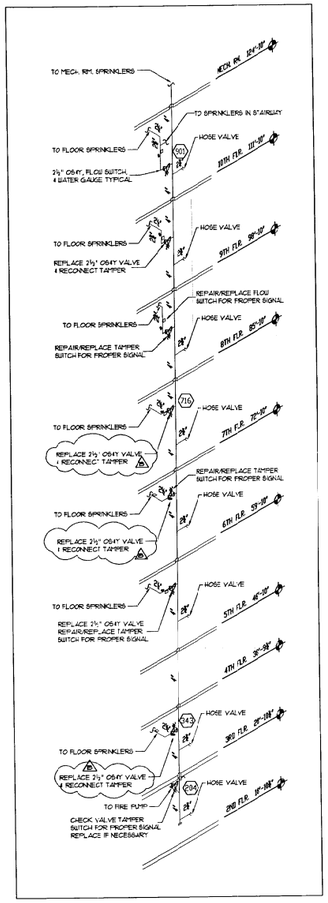
JOB ADDRESS: 225 BRIDGER AVENIE LAS VEGAS, NEVADA

FIRE SPRINKLER PLAN

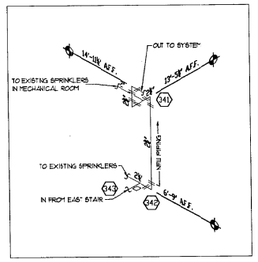
ISSUE "B"
REVIEWED BY: B. OLAR
FILE NAME: BRIDGER
DRAWN: NOT TO SCALE L. ANDERSON
DATE: 3-20-01
SCALE: AS NOTED
SHEET 1 of 5
JOB NUMBER: 1-46-45883

D-00-01021

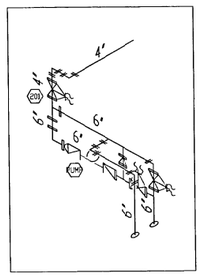
1609



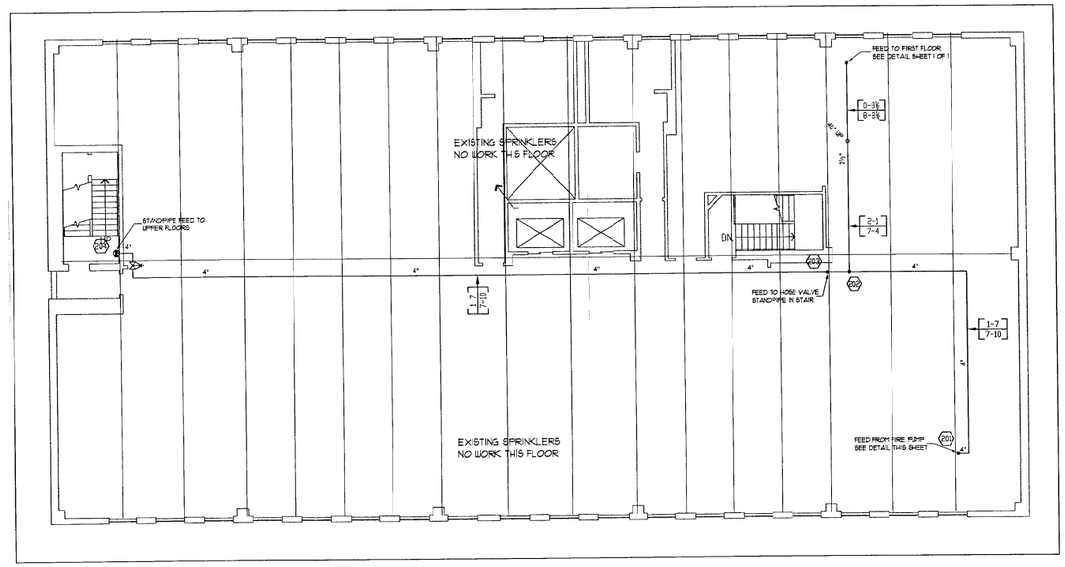
C/2 STANDPIPE FEED IN EAST STAIR
SCALE: ¼" = 1'-0"



D/2 LEVEL 3B FEED
SCALE: ¼" = 1'-0"

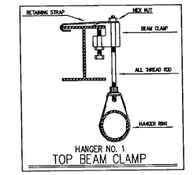


E/2 FIRE PUMP
SCALE: ¼" = 1'-0"

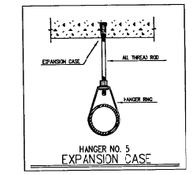


A/2 FIRE SPRINKLER CEILING PLAN LEVEL 2
SCALE: ¼" = 1'-0"
9,447 sq. ft.

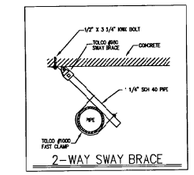
NORTH



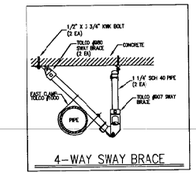
HANGER NO. 1
TOP BEAM CLAMP



HANGER NO. 5
EXPANSION CASE

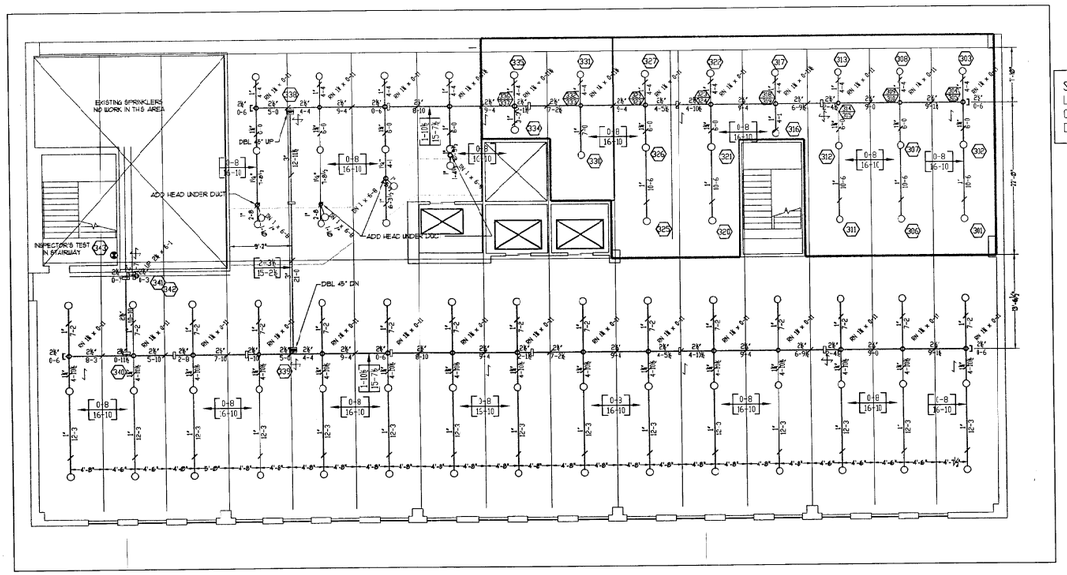


2-WAY SWAY BRACE



4-WAY SWAY BRACE

SYSTEM "3" AREA "3"
LIGHT HAZARD OCC.
0.15 gpm/sq.ft.
OVER 1500 sq.ft.



B/2 FIRE SPRINKLER CEILING PLAN LEVEL 3B
SCALE: ¼" = 1'-0"
9,441 sq. ft.

NORTH

CONTRACTOR

THESE PLANS ARE PREPARED AND SUBMITTED BY THE CONTRACTOR AS AN EXEMPTION TO NRS 623.330 FOR WORK UNDER THE CONTRACTOR'S LICENSE CATEGORY AUTHORIZED UNDER NRS 624.

DELTA FIRE SYSTEMS COMPANY NAME	LEE ANDERSON CONTRACTOR REPRESENTATIVE
020318 CONTRACTOR LICENSE NUMBER	
LEE ANDERSON PLANS PREPARED BY	SIGNATURE

AS BUILT

2' 4' 6' 8' 10' 12' 14' 16' 18' 20'

HYDRAULIC DESIGN INFORMATION

☑ THIS SYSTEM IS HYDRAULICALLY DESIGNED ☐ THIS SYSTEM IS NOT HYDRAULICALLY DESIGNED

SYSTEM NUMBER	REMOTE AREA NO.	SYSTEM NUMBER	REMOTE AREA NO.	SYSTEM NUMBER	REMOTE AREA NO.
3	3	-	-	-	-
REMOTE AREA = 1500 SQ. FT.		REMOTE AREA = - SQ. FT.		REMOTE AREA = - SQ. FT.	
DENSITY = .15 GPM/SQ.FT.		DENSITY = - GPM/SQ.FT.		DENSITY = - GPM/SQ.FT.	
425.12 GPM (INSIDE)	72.18 GPM (OUTSIDE) PSI RISER BASE	- GPM (INSIDE)	- GPM (OUTSIDE) PSI RISER BASE	- GPM (INSIDE)	- GPM (OUTSIDE) PSI RISER BASE
150 GPM (INSIDE)	GPM-HOSE	- GPM (INSIDE)	- GPM-HOSE	- GPM (INSIDE)	- GPM-HOSE

SUPPLY - STATIC (PSI) - RESIDUAL (PSI) - GPM FLOWING

☑ FIRE PUMP SEE PUMP DATA

DATE	REVISION	BY	ISSUE
10-21-02	REVISIONS PER ENGINEER	L.A.	A

TESTS TO BE WITNESSED BY | PHONE No.

NORTH

NOTICE:
IT IS THE OWNERS RESPONSIBILITY TO MAKE THE SPRINKLER HEAD FOR THE PREVENTION OF FREEZING THROUGHOUT THE FIRE SPRINKLER SYSTEM AND IN ROOMS FOR DRY PIPE, DELUGE AND PREACTION VALVES CONTROLLING WATER SUPPLIES TO AUTOMATIC SPRINKLER SYSTEMS.
NAC 640A.15 DEC. 81

SYMBOLS

- ALARM VALVE RISER
- DRY PIPE RISER
- FLOW SWITCH RISER
- DELUGE VALVE RISER
- PIPE "RISE"
- PIPE "DROP"
- SWAY BRACING
- PIPE HANGER (SEE CHART)
- SPRIG / DROP (SEE CHART)
- FLEXIBLE GROOVED COUPLING
- RIGID GROOVED COUPLING
- THREADED PIPE COUPLING
- CONTROL VALVE
- CHECK VALVE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- WATER METER GENG
- ELECTRIC ALARM BELL
- (A-1) MAIN PIPE NUMBER
- 21-6 MAIN PIPE LENGTH
- 00 BRANCHLINE NUMBER
- 00 HYDRAULIC CALC REFERENCE
- 3" PIPE BELOW DECK / CEILING
- 3" PIPE ABOVE FINISHED FLOOR
- CEILING ELEVATION
- ELEVATION DATUM

HEAD COUNT

SYMBOL	MAKE	MODEL	TYPE	FINISH	K-FACTOR	ORIFICE	TEMP.	CANOPY	QUANTITY
Ⓢ	RELIABLE	FPR	SPRIG	BRASS	5.6	1/2"	155°	-	-
○	RELIABLE	FPR	UPRIGHT	BRASS	5.6	1/2"	155°	-	81
6-49	TOTAL PROJECT SPRINKLERS						TOTAL SPRINKLERS THIS SHEET ONLY		81

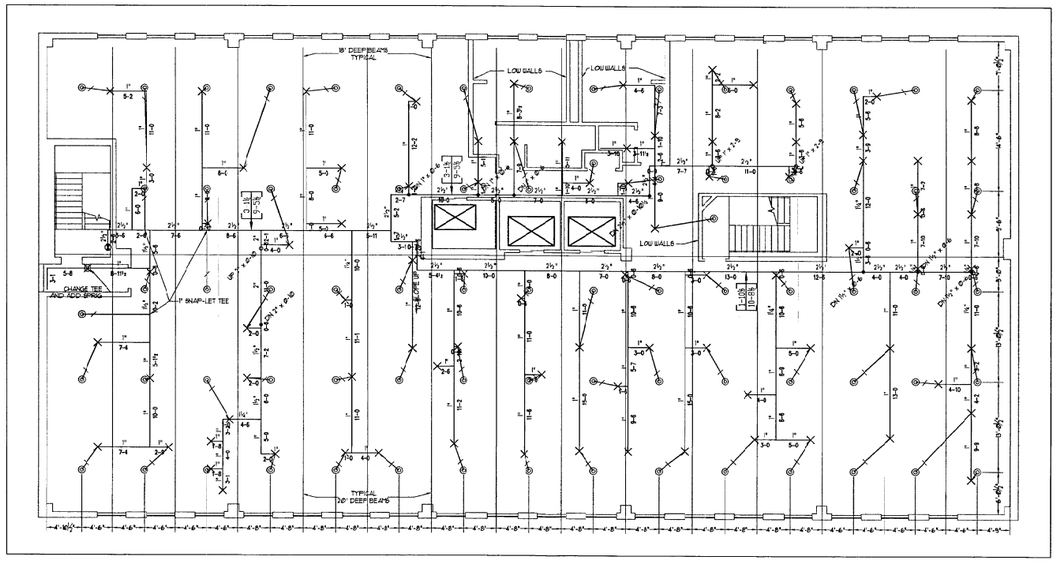
DELTA FIRE SYSTEMS INC.
Fire Protection at its BEST

8967 PIONEER RD.
SALT LAKE CITY, UTAH 84124
ph.: (801) 972-4900
fax: (801) 972-4563
UT CONT. LICENSE NO. 22-371-6616
924 SPICE ISLAND
SPARKS, NEVADA 89431
ph.: (702) 355-2096
fax.: (702) 331-1813
NV CONT. LICENSE NO. 0020318

JOB NAME: BRIDGER BUILDING
JOB ADDRESS: 225 BRIDGER AVENUE LAS VEGAS, NEVADA
FIRE SPRINKLER PLAN

ISSUE: "B"
REVIEWED BY: B. CLAR
FILE NAME: BRIDGER
DRAWN: MEGA IN F:\000023
L. ANDERSON
DATE: 3-20-02
SCALE: AS NOTED
SHEET: 2 OF 5
JOB NUMBER: 1-40-45853

1609



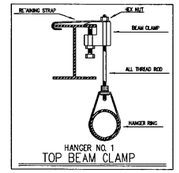
FIRE SPRINKLER CEILING PLAN LEVEL 5

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

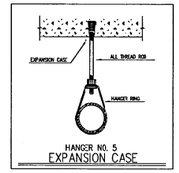
9,447 sq. ft.

FRD CALCULATIONS SEE LEVEL 7

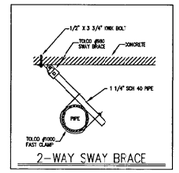
NORTH



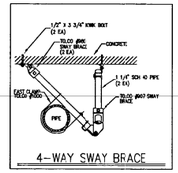
HANGER NO. 1
TOP BEAM CLAMP



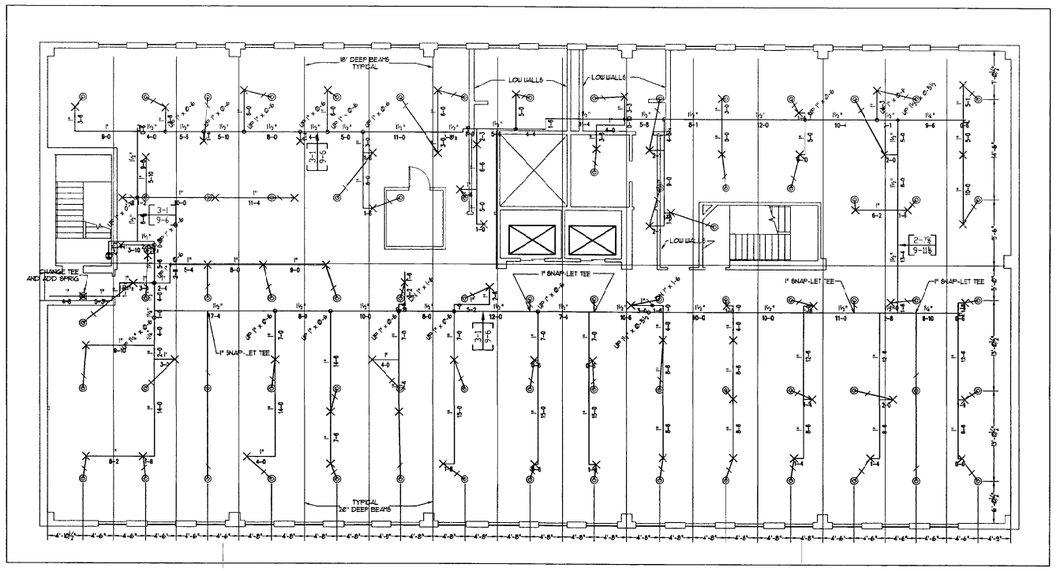
HANGER NO. 5
EXPANSION CASE



2-WAY SWAY BRACE



4-WAY SWAY BRACE



FIRE SPRINKLER CEILING PLAN LEVEL 6

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

9,447 sq. ft.

FRD CALCULATIONS SEE LEVEL 10

NORTH

NOTES:

ALL NEW PIPING IS 1" SCH. 40 UNLESS NOTED OTHERWISE.

X INDICATES EXISTING 1" OUTLET

CONTRACTOR

THESE PLANS ARE PREPARED AND SUBMITTED BY THE CONTRACTOR AS AN EXEMPTION TO NRS 623.330 FOR WORK UNDER THE CONTRACTOR'S LICENSE CATEGORY AUTHORIZED UNDER NRS 624.

DELTA FIRE SYSTEMS COMPANY NAME	LEE ANDERSON CONTRACTOR REPRESENTATIVE
020318 CONTRACTOR LICENSE NUMBER	
LEE ANDERSON PLANS PREPARED BY	SIGNATURE

AS BUILT

2' 4' 6' 8' 10' 12' 14' 16' 18' 20'

HYDRAULIC DESIGN INFORMATION

☑ THIS SYSTEM IS HYDRAULICALLY DIMENSIONED ☐ THIS SYSTEM IS NOT HYDRAULICALLY DIMENSIONED

SYSTEM NUMBER	-	REMOTE AREA NO.	-	SYSTEM NUMBER	-	REMOTE AREA NO.	-	SYSTEM NUMBER	-	REMOTE AREA NO.	-
REMOTE AREA +	-	SQ. FT.		REMOTE AREA +	-	SQ. FT.		REMOTE AREA +	-	SQ. FT.	
DENSITY +	-	GPM/SQ. FT.		DENSITY +	-	GPM/SQ. FT.		DENSITY +	-	GPM/SQ. FT.	
-	GPM	-	PSI INNER BARE	-	GPM	-	PSI INNER BARE	-	GPM	-	PSI INNER BARE
-	GPM	-	GPM-HOSE	-	GPM	-	GPM-HOSE	-	GPM	-	GPM-HOSE
(INSIDE)	(OUTSIDE)			(INSIDE)	(OUTSIDE)			(INSIDE)	(OUTSIDE)		

SUPPLY - STATIC (PSI) - RESIDUAL (PSI) - GPM FLOWING

☐ FIRE PUMP SEE PUMP DATA

DATE	REVISION	BY	ISSUE
10-7-02	AS BUILT DRAWINGS	L.A.	B
	"TESTS TO BE WITNESSED BY:	PHONE No.	

NORTH

NOTICE:
IT IS THE OWNER RESPONSIBILITY TO MAINTAIN ADEQUATE HEAT FOR THE PREVENTION OF FREEZING THROUGHOUT SET FIRE SPRINKLER SYSTEMS AND AS SHOWN ON DRY PIPE, DELUGE AND PRE-ACTION SYSTEMS. FAILURE TO COMPLY MAY RESULT IN AUTOMATIC SPRINKLER SYSTEMS.

SYMBOLS

- ALARM VALVE RISER
- DRY PIPE RISER
- FLOW SWITCH RISER
- DELUGE VALVE RISER
- PIPE "RISE"
- PIPE "DROP"
- SWAY BRACING
- PIPE HANGER (SEE CHART)
- SPRIG / DROP (SEE CHART)
- FLEXIBLE GROOVED COUPLING
- RIGID GROOVED COUPLING
- THREADED PIPE COUPLING
- CONTROL VALVE
- CHECK VALVE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- WATER METER CONG
- ELECTRIC ALARM BELL
- (A-1) 21-0 — MAIN PIPE NUMBER / MAIN PIPE LENGTH
- (00) BRANCHLINE NUMBER
- (00) HYDRAULIC CALC. REFERENCE
- (B) 8" PIPE BELOW DECK / CEILING
- (B) 8" PIPE ABOVE FINISHED FLOOR
- CEILING ELEVATION
- ELEVATION DATUM

HEAD COUNT

SYMBOL	MAKE	MODEL	TYPE	FINISH	K-FACTOR	ORIFICE	TEMP	CANOPY	QUANTITY
◎	RELIABLE	FRR	SPRIG	BRASS	5.6-2	1/2"	155°	-	151
○	RELIABLE	FRR	UPRIGHT	BRASS	5.6-2	1/2"	155°	-	-
649	TOTAL PROJECT SPRINKLERS						TOTAL SPRINKLERS THIS SHEET ONLY		151

DELTA FIRE SYSTEMS INC.
Fire Protection at its BEST

☑ 8401 PIONEER RD.
SALT LAKE CITY, UTAH 84124
ph.: (801) 972-4040
fax.: (801) 972-4043
UT CONT. LICENSE NO. 22-321-915-5927
☐ 1814 SPICE ISLAND
SPARKS, NEVADA 89431
ph.: (702) 355-0394
fax.: (702) 331-7827
NV CONT. LICENSE NO. 0020318

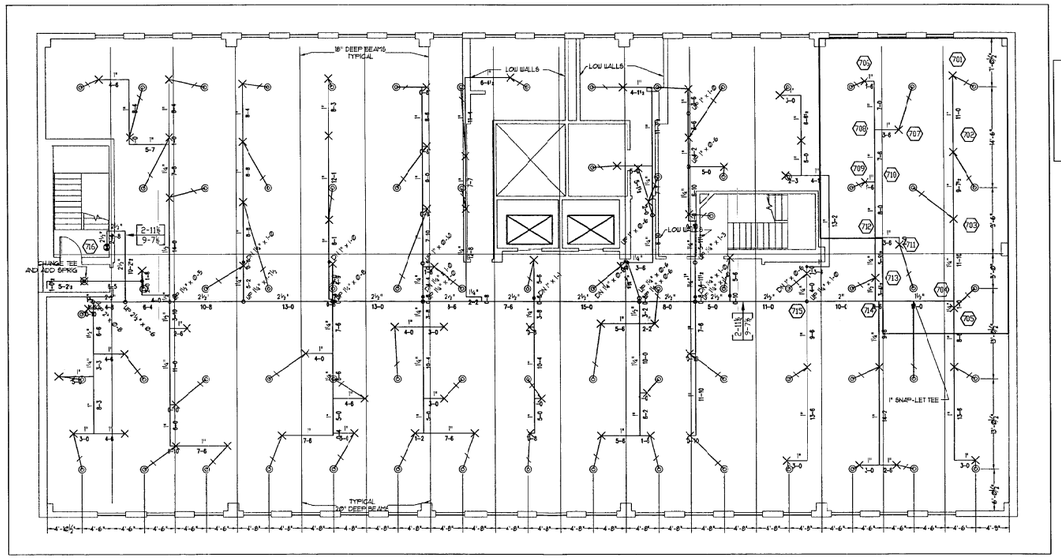
JOB NAME: BRIDGER BUILDING

JOB ADDRESS: 225 BRIDGER AVENUE
LAS VEGAS, NEVADA

FIRE SPRINKLER PLAN

ISSUE	"B"
REVISED BY	B. OLAR
FILE NAME	BRIDGER
DRAWN NOTE #	2100003
	L. ANDERSON
DATE	3-20-02
SCALE	AS NOTED
SHEET	3 or 5
JOB NUMBER	1-40-45883

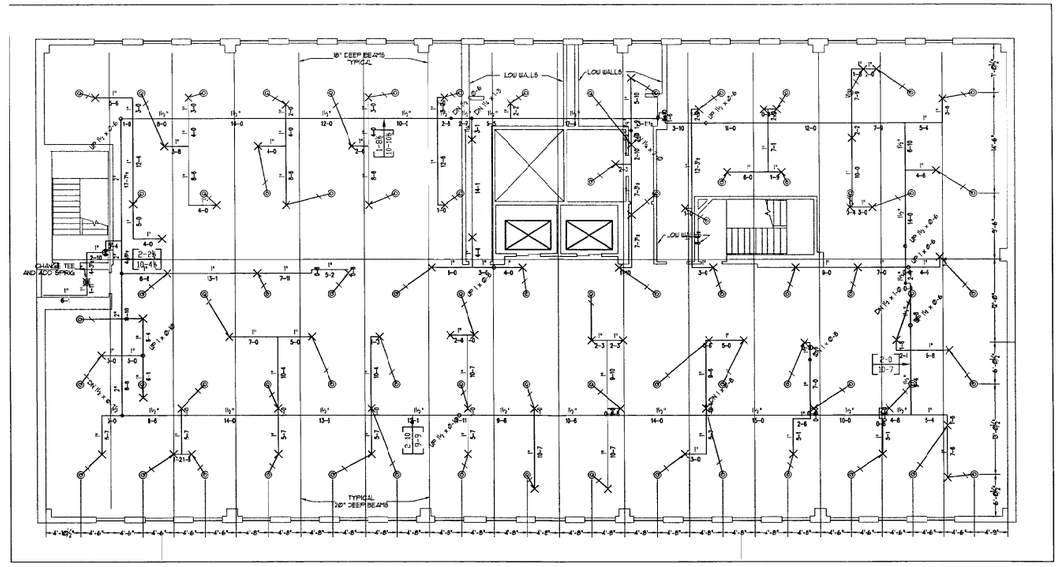
1609



SYSTEM '7' AREA '7'
LIGHT HAZARD OCC.
0.10 gpm/sq.ft.
OVER 1038sq.ft.
AREA REDUCED PER
NFPA 13, 7-2.3.2.4

A/4 FIRE SPRINKLER CEILING PLAN LEVEL 7
SCALE: 1/8" = 1'-0" 3,447 sq. ft.

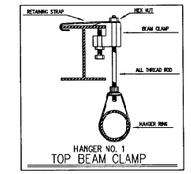
NORTH



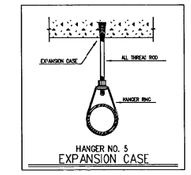
B/4 FIRE SPRINKLER CEILING PLAN LEVEL 8
SCALE: 1/8" = 1'-0" 3,447 sq. ft.

FOR CALCULATIONS SEE LEVEL 10

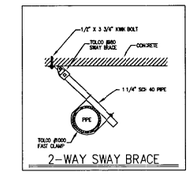
NORTH



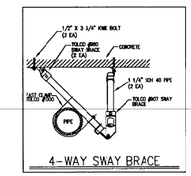
HANGER NO. 1
TOP BEAM CLAMP



HANGER NO. 5
EXPANSION CASE



2-WAY SWAY BRACE



4-WAY SWAY BRACE

NOTES:

ALL NEW PIPING IS 1" SCH. 40 UNLESS NOTED OTHERWISE.

X INDICATES EXISTING 1" OUTLET

CONTRACTOR

THESE PLANS ARE PREPARED AND SUBMITTED BY THE CONTRACTOR AS AN EXEMPTION TO NRS 623.330 FOR WORK UNDER THE CONTRACTOR'S LICENSE CATEGORY AUTHORIZED UNDER NRS 624.

DELTA FIRE SYSTEMS COMPANY NAME	LEE ANDERSON CONTRACTOR REPRESENTATIVE
020318 CONTRACTOR LICENSE NUMBER	
LEE ANDERSON PLANS PREPARED BY	SIGNATURE

AS BUILT

2' 4' 6' 8' 10' 12' 14' 16' 18' 20'

HYDRAULIC DESIGN INFORMATION

☑ THIS SYSTEM IS HYDRAULICALLY DESIGNED ☐ THIS SYSTEM IS NOT HYDRAULICALLY DESIGNED

SYSTEM NUMBER 7	REMOTE AREA NO. 7	SYSTEM NUMBER -	REMOTE AREA NO. -	SYSTEM NUMBER -	REMOTE AREA NO. -
REMOTE AREA + 1038 SQ. FT.		REMOTE AREA + " SQ. FT.		REMOTE AREA + " SQ. FT.	
DENSITY + .10 GPM/SQ. FT.		DENSITY + " GPM/SQ. FT.		DENSITY + " GPM/SQ. FT.	
240.25 GPM 6163 PSI RISER BASE		" GPM " PSI RISER BASE		" GPM " PSI RISER BASE	
100 GPM " GPM+HOSE		" GPM " GPM+HOSE		" GPM " GPM+HOSE	
(ORIGINAL) (ULTIMATE)		(ORIGINAL) (ULTIMATE)		(ORIGINAL) (ULTIMATE)	

SUPPLY " STATIC (PSI) " RESIDUAL (PSI) " GPM FLOWING ☑ FIRE PUMP SEE PUMP DATA

DATE	REVISION	BY:	ISSUE
10-7-02	AS BUILT DRAWINGS	L.A.	B

TESTS TO BE WITNESSED BY: PHONE No.

NORTH

NOTICE:
IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN ADEQUATE HEAT FOR THE PREVENTION OF FREEZING THROUGHOUT FIRE SPRINKLER SYSTEMS AND IN ACCORDANCE WITH THE DESIGN AND INSTALLATION STANDARDS OF THE FIRE SUPPLIER TO AUTOMATIC SPRINKLER SYSTEMS.
FILE DATE: 10-30-01

SYMBOLS

- ALARM VALVE RISER
- DRY PIPE RISER
- FLOW SWITCH RISER
- BELLIGE VALVE RISER
- PIPE "RISE"
- PIPE "DROP"
- SWAY BRACING
- PIPE HANGER (SEE CHART)
- SPRIG / DROP (SEE CHART)
- FLEXIBLE GROOVED COUPLING
- RIGID GROOVED COUPLING
- THREADED PIPE COUPLING
- CONTROL VALVE
- CHECK VALVE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- WATER MOTOR GONG
- ELECTRIC ALARM BELL
- (A-1) MAIN PIPE NUMBER; 21-0 MAIN PIPE LENGTH
- (00) BRANCHLINE NUMBER
- (00) HYDRAULIC CALC. REFERENCE
- (5' PIPE BELOW DECK / CEILING
- (5' PIPE ABOVE FINISHED FLOOR
- CEILING ELEVATION
- ELEVATED DATUM

HEAD COUNT

SYMBOL	MAKE	MODEL	TYPE	FINISH	K-FACTOR	ORIFICE	TEMP.	CANOPY	QUANTITY
	RELIABLE	FFR	SPRIG	BRASS	5.62	1/2"	155°	-	60
	RELIABLE	FFR	UPRIGHT	BRASS	5.62	1/2"	155°	-	-
649	TOTAL PROJECT SPRINKLERS						TOTAL SPRINKLERS THIS SHEET ONLY		60

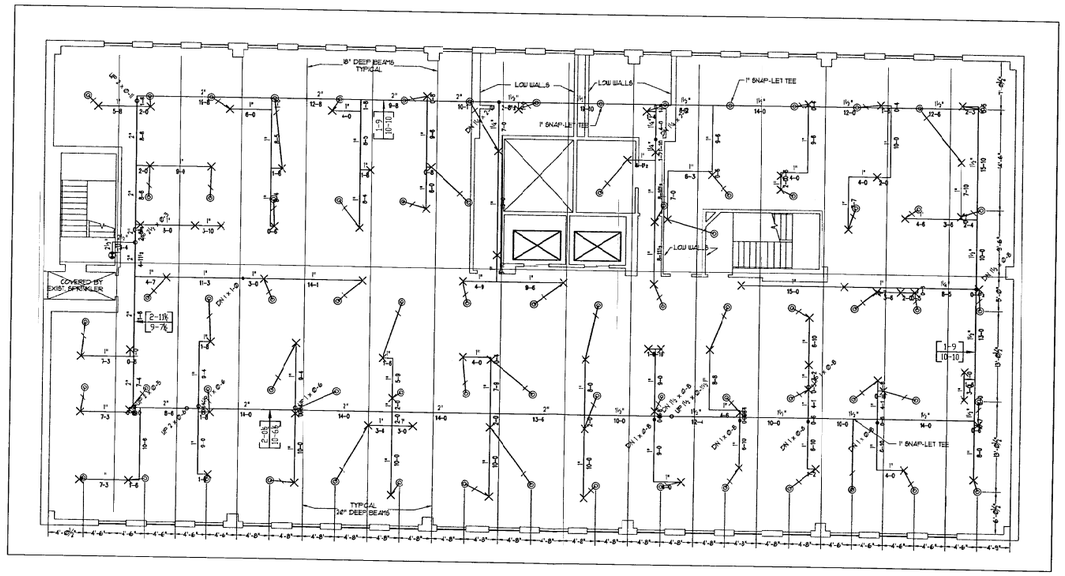
DELTA FIRE SYSTEMS INC.
Fire Protection at its BEST

8421 PIONEER RD.
SALT LAKE CITY, UTAH 84124
ph.: (801) 972-4900
fax.: (801) 972-6943
UT. CONT. LICENSE NO. 020318
SPRINKLER ONLY
☐ 4414 SPICE PLANT
SPARKS, NEVADA 89431
ph.: (702) 355-0196
fax.: (702) 331-7812
NV CONT. LICENSE NO. 0058318

JOB NAME: BRIDGER BUILDING
JOB ADDRESS: 225 BRIDGER AVENUE LAS VEGAS, NEVADA
FIRE SPRINKLER PLAN

ISSUE	"B"
REVIEWED BY:	B. OLAR
FILE NAME	BRIDGER
DRAWN: NCEY III (F100002)	L. ANDERSON
DATE	3-26-02
SCALE	AS NOTED
SHEET	4 of 5
JOB NUMBER	1-40-45853

1609



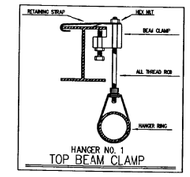
A/5 FIRE SPRINKLER CEILING PLAN LEVEL 9

SCALE: 1/8" = 1'-0"

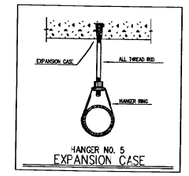
3447 sq. ft.

FOR CALCULATIONS SEE LEVEL 10

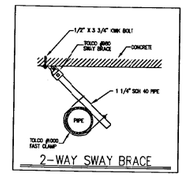
NORTH



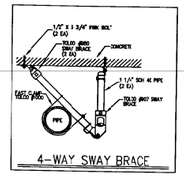
HANGER NO. 1
TOP BEAM CLAMP



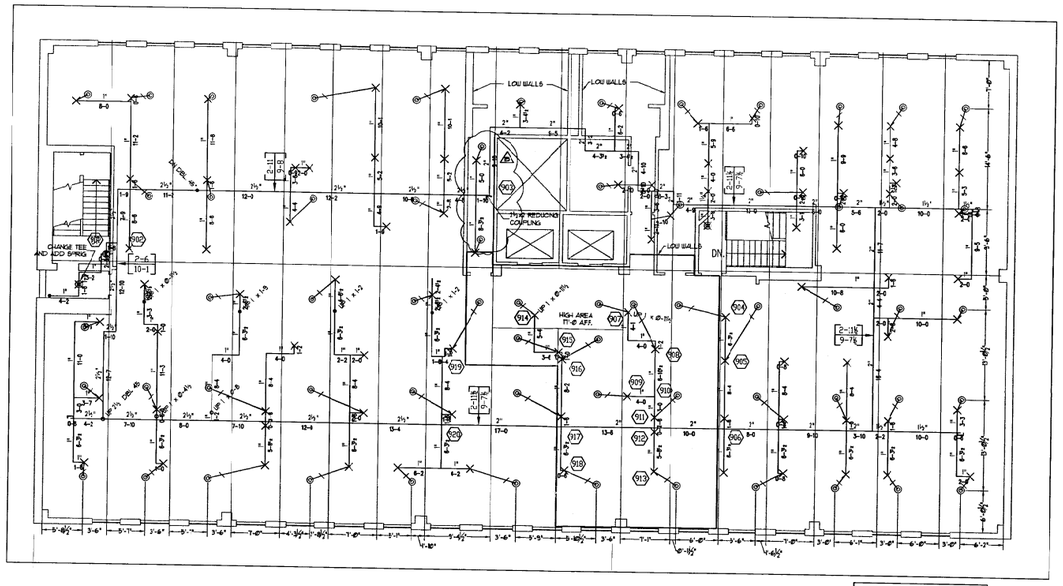
HANGER NO. 5
EXPANSION CASE



2-WAY SWAY BRACE



4-WAY SWAY BRACE



B/5 FIRE SPRINKLER CEILING PLAN LEVEL 10

SCALE: 1/8" = 1'-0"

3441 sq. ft.

NORTH

SYSTEM "10" AREA "10"
LIGHT HAZARD OCC.
0.10 gpm/sq.ft.
OVER 1080 sq.ft.
AREA REDUCED PER
NFPA 13, 7-2.3.2.4

NOTES:

ALL NEW PIPING IS 1" SCH. 40 UNLESS NOTED OTHERWISE.

X INDICATES EXISTING 1" OUTLET

CONTRACTOR

THESE PLANS ARE PREPARED AND SUBMITTED BY THE CONTRACTOR AS AN EXEMPTION TO NRS 623.330 FOR WORK UNDER THE CONTRACTOR'S LICENSE CATEGORY AUTHORIZED UNDER NRS 624.

DELTA FIRE SYSTEMS COMPANY NAME	LEE ANDERSON CONTRACTOR REPRESENTATIVE
0020118 CONTRACTOR LICENSE NUMBER	
LEE ANDERSON PLANS PREPARED BY	SIGNATURE

AS BUILT

2' 4' 6' 8' 10' 12' 14' 16' 18' 20'

HYDRAULIC DESIGN INFORMATION

☑ THIS SYSTEM IS HYDRAULICALLY DESIGNED ☐ THIS SYSTEM IS NOT HYDRAULICALLY DESIGNED

SYSTEM NUMBER	REMOTE AREA NO.	REMOTE AREA	DENSITY	DIST.	SUPPLY	RESIDUAL (PSI)	FDC FLOW
10	10	1080 sq. ft.	10 gpm/sq. ft.	319.88 GPM @ 87.85 PSI INSIDE HOSE; 100 GPM @ - PSI OUTSIDE HOSE	- PSI RIDER BASE	-	-
SYSTEM NUMBER -	REMOTE AREA NO. -	REMOTE AREA - sq. ft.	DENSITY - gpm/sq. ft.	- GPM @ - PSI INSIDE HOSE; - GPM @ - PSI OUTSIDE HOSE	- PSI RIDER BASE	-	-
SYSTEM NUMBER -	REMOTE AREA NO. -	REMOTE AREA - sq. ft.	DENSITY - gpm/sq. ft.	- GPM @ - PSI INSIDE HOSE; - GPM @ - PSI OUTSIDE HOSE	- PSI RIDER BASE	-	-

☑ FIRE PUMP SEE PUMP DATA

DATE	REVISION	BY	ISSUE
10-7-02	AS BUILT DRAWINGS	L.A.	A

TESTED TO BE WITNESSED BY | PHONE No.

NORTH

NOTICE:
IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN ADEQUATE HEAT FOR THE FIRE SPRINKLER SYSTEM. THEREFORE, THE FIRE SPRINKLER SYSTEM MUST BE INSPECTED PRIOR TO ROOFS FOR DRY PIPE SYSTEMS AND OTHER VALVES CONTROLLING WATER SUPPLIES TO AUTOMATIC SPRINKLER SYSTEMS.
MAX. DATE IS ONE YR

SYMBOLS

- ALARM VALVE RISER
- DRY PIPE RISER
- FLOW SWITCH RISER
- DELUGE VALVE RISER
- PIPE "RISE"
- PIPE "DROP"
- SWAY BRACING
- PIPE HANGER (SEE CHART)
- SPRKS / DROP (SEE CHART)
- FLEXIBLE GROOVED COUPLING
- RIGID GROOVED COUPLING
- THREADED PIPE COUPLING
- CONTROL VALVE
- CHECK VALVE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- WATER MOTOR GONG
- ELECTRIC ALARM BELL
- (A-1) / 21-0 MAIN PIPE NUMBER / MAIN PIPE LENGTH
- (00) BRANCHLINE NUMBER
- (00) HYDRAULIC CALC. REFERENCE
- OF PIPE BELOW DECK / CEILING
- OF PIPE ABOVE FINISHED FLOOR
- CEILING ELEVATION
- ELEVATION DATUM

HEAD COUNT

SYMBOL	NAME	MODEL	TYPE	FINISH	K-FACTOR	ORIFICE	TEMP.	CANOPY	QUANTITY
◎	REL ABLE	FIRE	SPRIG	BRASS	5.6	1/2"	155°	-	38
649	TOTAL PROJECT SPRINKLERS						TOTAL SPRINKLERS THIS SHEET ONLY		38

DELTA FIRE SYSTEMS INC.
Fire Protection at its BEST

☑ 3147 PIONEERS RD. SALT LAKE CITY, UTAH 84104 PH. (801) 972-6900 FAX (801) 972-6963 ST. CONT. LICENSE NO. 23-271-919-RMD
☐ 984 SPICE ISLAND SPARKS, NEVADA #9-31 PH. (702) 355-2996 FAX (702) 331-1213 NV CONT. LICENSE NO #20858

JOB NAME	BRIDGER BUILDING
JOB ADDRESS	225 BRIDGER AVENUE LAS VEGAS, NEVADA
	FIRE SPRINKLER PLAN

ISSUE	"B" 5
REVIEWED BY	B. OLAR
FILE NAME	BRIDGER
DRAWN	NCOT III #1000022 L. ANDERSON
DATE	3-20-02
SCALE	AS NOTED
SHEET	5 of 5
JOB NUMBER	1-42-45653

409