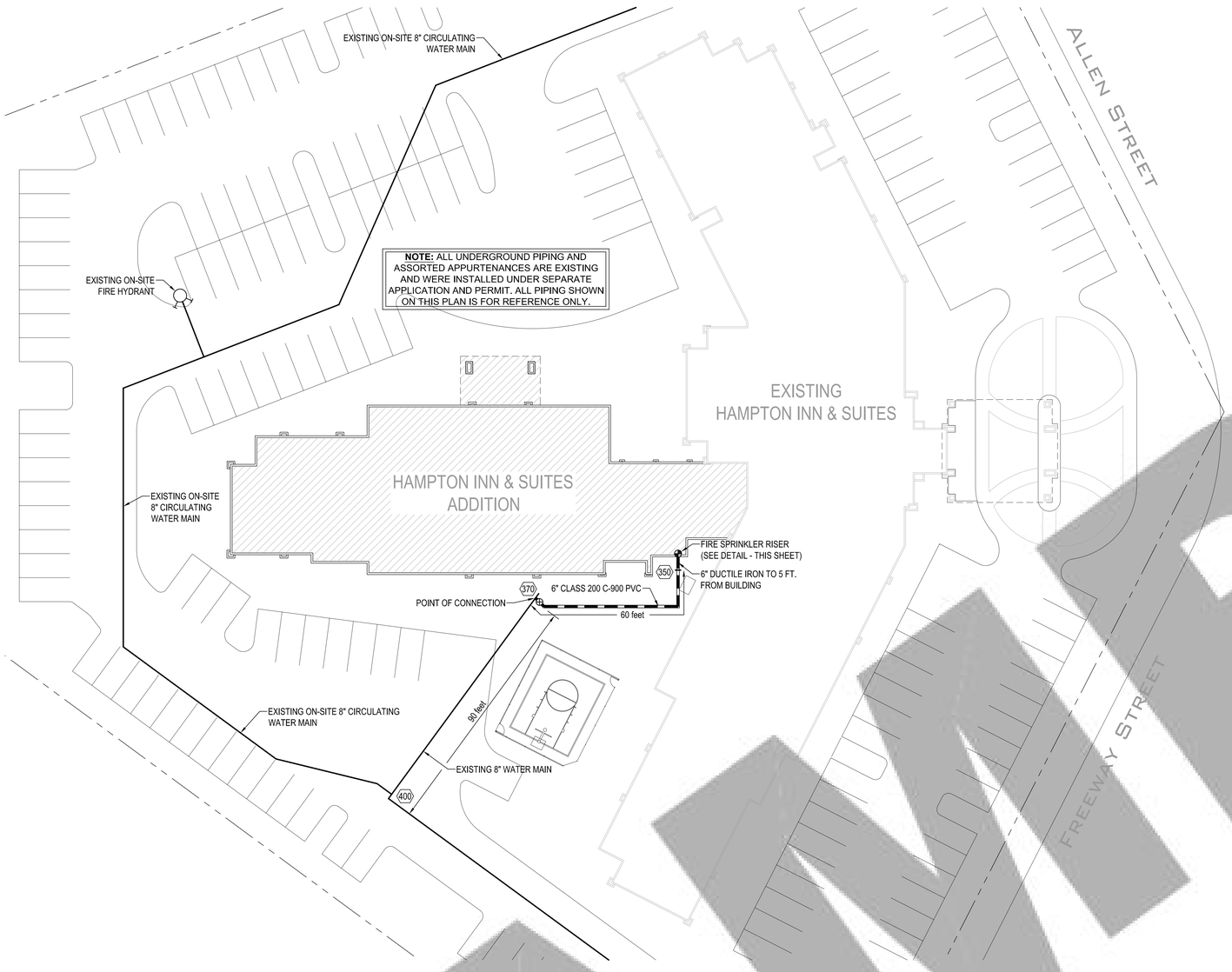


North

SITE PLAN

Hampton Inn & Suites

Scale: 1"=20'

CALCULATED AREA #1 - Accessible Suite 363

DESIGN CRITERIA PER MANUFACTURER'S LITERATURE.
MAX. SPACING:
HSW SPRINKLERS: 16' x 16'
RESIDENTIAL PENDENTS: 14' x 14'

NUMBER OF SPRINKLERS FLOWING:	4
SPRINKLER DISCHARGE:	64.1 GPM
RESIDUAL PRESSURE AT THE BASE OF THE RISER (300):	46.6 PSI
RESIDUAL PRESSURE AT INFLOW NODE (400):	47.1 PSI

CALCULATED AREA #2 - Double Queen 360

DESIGN CRITERIA PER MANUFACTURER'S LITERATURE.
MAX. SPACING:
HSW SPRINKLERS: 16' x 18'
RESIDENTIAL PENDENTS: 14' x 14'

NUMBER OF SPRINKLERS FLOWING:	2
SPRINKLER DISCHARGE:	38.1 GPM
RESIDUAL PRESSURE AT THE BASE OF THE RISER (300):	45.8 PSI
RESIDUAL PRESSURE AT INFLOW NODE (400):	46.3 PSI

CALCULATED AREA #3 - Accessible King 358

DESIGN CRITERIA PER MANUFACTURER'S LITERATURE.
MAX. SPACING:
RESIDENTIAL PENDENTS: 14' x 14'

NUMBER OF SPRINKLERS FLOWING:	4
SPRINKLER DISCHARGE:	58.3 GPM
RESIDUAL PRESSURE AT THE BASE OF THE RISER (300):	45.0 PSI
RESIDUAL PRESSURE AT INFLOW NODE (400):	45.4 PSI

CALCULATED AREA #4 - Corridor 368

OCCUPANCY:	LIGHT HAZARD
DENSITY:	0.10 GPM/ SQ. FT.
CALCULATION METHOD:	ROOM DESIGN (5 CORRIDOR SPRINKLERS)
NUMBER OF SPRINKLERS FLOWING:	5
SPRINKLER DISCHARGE:	77.0 GPM
RESIDUAL PRESSURE AT THE BASE OF THE RISER (300):	40.6 PSI
RESIDUAL PRESSURE AT INFLOW NODE (400):	41.0 PSI

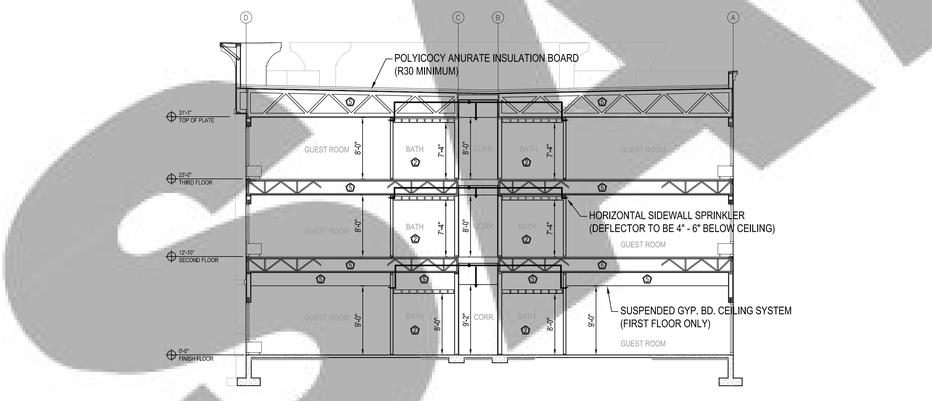
CALCULATED AREA #5 - Corridor 369

OCCUPANCY:	LIGHT HAZARD
DENSITY:	0.10 GPM/ SQ. FT.
CALCULATION METHOD:	ROOM DESIGN (5 CORRIDOR SPRINKLERS)
NUMBER OF SPRINKLERS FLOWING:	5
SPRINKLER DISCHARGE:	77.9 GPM
RESIDUAL PRESSURE AT THE BASE OF THE RISER (300):	46.1 PSI
RESIDUAL PRESSURE AT INFLOW NODE (400):	46.6 PSI

1. FIRE PROTECTION SYSTEM TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODES, STATE AND LOCAL FIRE MARSHALS REQUIREMENTS, NFPA 13R, 2002 EDITION.
2. ALL ELECTRICAL WIRING OF FIRE PROTECTION SYSTEM AND COMPONENTS TO BE PERFORMED BY OTHER TRADE DIVISIONS.
3. ALL PAINTING OF FIRE PROTECTION PIPING AND RELATED COMPONENTS TO BE PERFORMED BY OTHER TRADE DIVISIONS.
4. ALL INSULATING OF FIRE PROTECTION PIPING AND RELATED COMPONENTS TO BE PERFORMED BY OTHER TRADE DIVISIONS.
5. SPRINKLER PIPING TO BE HUNG AS PER NFPA 13R.
6. SYSTEM TO BE INSTALLED, TESTED, AND FLUSHED per NFPA 13R STANDARDS AND LOCAL REQUIREMENTS.
7. UNDERGROUND AND ABOVEGROUND PIPING TO BE HYDRO-STATICALLY TESTED AT 200 PSI FOR 2 HOURS.
8. ALL SPRINKLER FITTINGS SHALL MEET OR EXCEED THE REQUIREMENTS OF NFPA 13R.
9. ALL SPRINKLER PIPING SHALL CONFORM TO NFPA 13R 5.2.1 STANDARDS AND LOCAL REQUIREMENTS.
10. SPARE SPRINKLER CABINET AND WRENCH TO BE FURNISHED PER NFPA 13R.
11. DOMESTIC MATERIAL NOT REQUIRED.
12. SPRINKLER HEADS ARE CENTER LINE OF CEILING TILE AS SHOWN IN DETAIL ON SHEET 1.
13. PIPING: CPVC PIPE CONFORMING TO ASTM F 442
14. FITTINGS: CPVC PIPE FITTINGS CONFORMING TO ASTM F 437, ASTM F 438, AND ASTM F 439

FLOW TEST INFORMATION

STATIC:	50 PSI
RESIDUAL:	24 PSI
FLOW:	2500 GPM
SOURCE OF INFORMATION:	
TEST DATE:	11-8-06
UNDERGROUND:	8" CIRCULATING
ORIFICE:	--



SECTION A

Hampton Inn & Suites

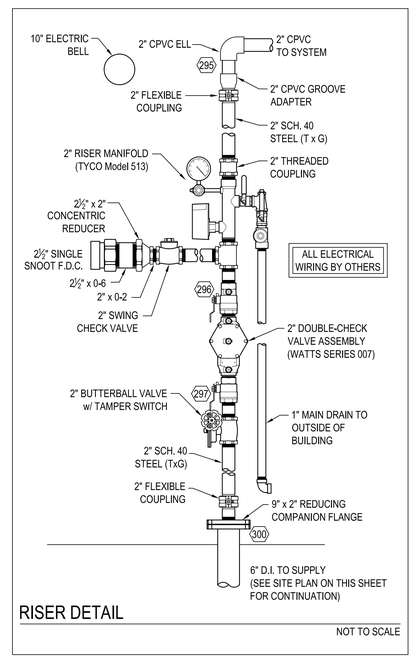
0 8' 16'
1/8" = 1'-0"

SPRINKLER SCHEDULE & LEGEND (ENTIRE PROJECT)

SYMBOL	SIN	SPRINKLER DESCRIPTION	RESP.	K-FAC	ORIFICE	TEMP.	FINISH	ESCUTCHEON	QTY.
●	TY2596	CSC MODEL LF II CONC.	QR	4.2	1/2"	162	White	Concealed	87
◕	TY3231	CSC MODEL TY-FRB SSP	QR	5.6	1/2"	155	Chr	Recessed	99
◀	TY1.334	CSC MODEL LF II RES HSW	QR	4.2	1/2"	155	White	See Plans	51
HEAD CABINET WITH MIN. 6 SPARE HEADS & WRENCH(ES) PROVIDED								TOTAL COUNT THIS JOB =	237

SYMBOLS & ABBREVIATIONS LEGEND

●	PENDENT SPRINKLER ON 1" DROP	TxG	THREAD BY GROOVE
◕	ADDITIONAL SPRINKLER TYPE DESIGNATION	P.O.C.	POINT OF CONNECTION
◀	HORIZONTAL SIDEWALL SPRINKLER	F.D.C.	FIRE DEPT. CONNECTION
◉	AUTOMATIC SPRINKLER SYSTEM RISER	DN	DOWN
⊙	PIPE RISER TO FLOOR ABOVE	TOR	TOP OF RISER
—o—	PIPE ELEVATION CHANGE (90° UP OR DOWN)	BOR	BASE OF RISER
—S—	DROP DOWN ON MAIN OR BRANCH LINE	TYP	TYPICAL
—2	PIPE CONTINUATION	℄	CENTER LINE
A / 2	SECTION LINE MARKER		
4999	HYDRAULIC CALCULATION NODE		



RISER DETAIL

NOT TO SCALE

SAMPLE

Revisions:

FILE NAME:
CHECKED BY:
DRAWN BY: Sam Kassab

NOTICE

CONTRACT WITH:
ADDRESS:
ADDRESS:
PHONE NUMBER:
FAX:

Hampton Inn & Suites Addition

GENERAL NOTES, SPRINKLER LEGEND
SITE PLAN, SECTION, RISER DETAIL

SCALE:
DATE:
DRAWING TYPE:
JOB #:
BLD #:

SHEET
FP-1
OF
4
Hampton