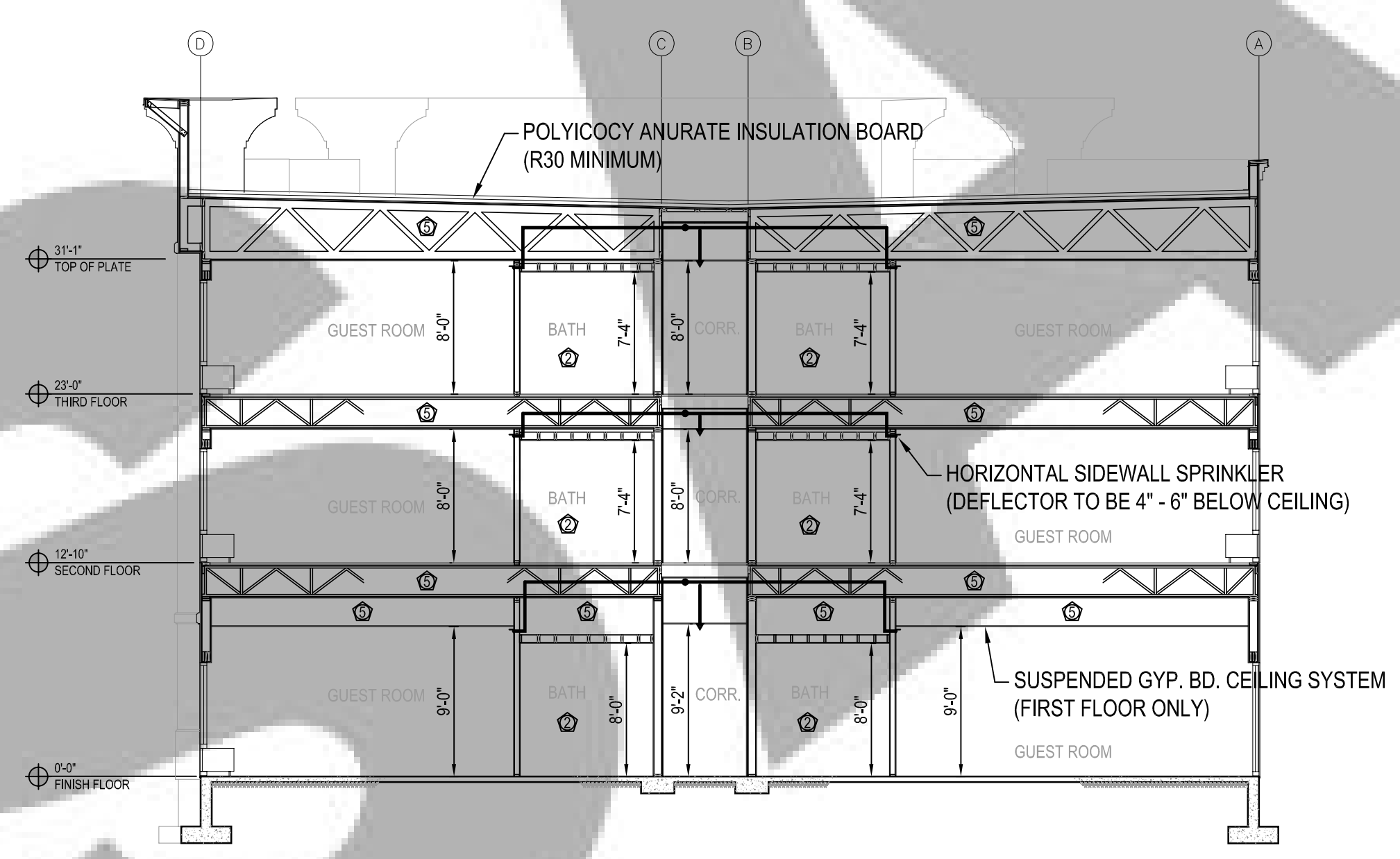


North  
SITE PLAN  
Hampton Inn & Suites

Scale: 1"=20'



SECTION A  
Hampton Inn & Suites

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

SPRINKLER SCHEDULE & LEGEND (ENTIRE PROJECT)

SYMBOL	S/N	SPRINKLER DESCRIPTION	RESP.	K-FAC	ORFICE	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
●	TY1334	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
●	PIPE ELEVATION CHANGE (90° UP OR DOWN)	BOR	BASE OF RISER
●	DROP DOWN ON MAIN OR BRANCH LINE	TYP	TYPICAL
●	PIPE CONTINUATION	℄	CENTER LINE
●	SECTION LINE MARKER		
●	HYDRAULIC CALCULATION NODE		

**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 16'  
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

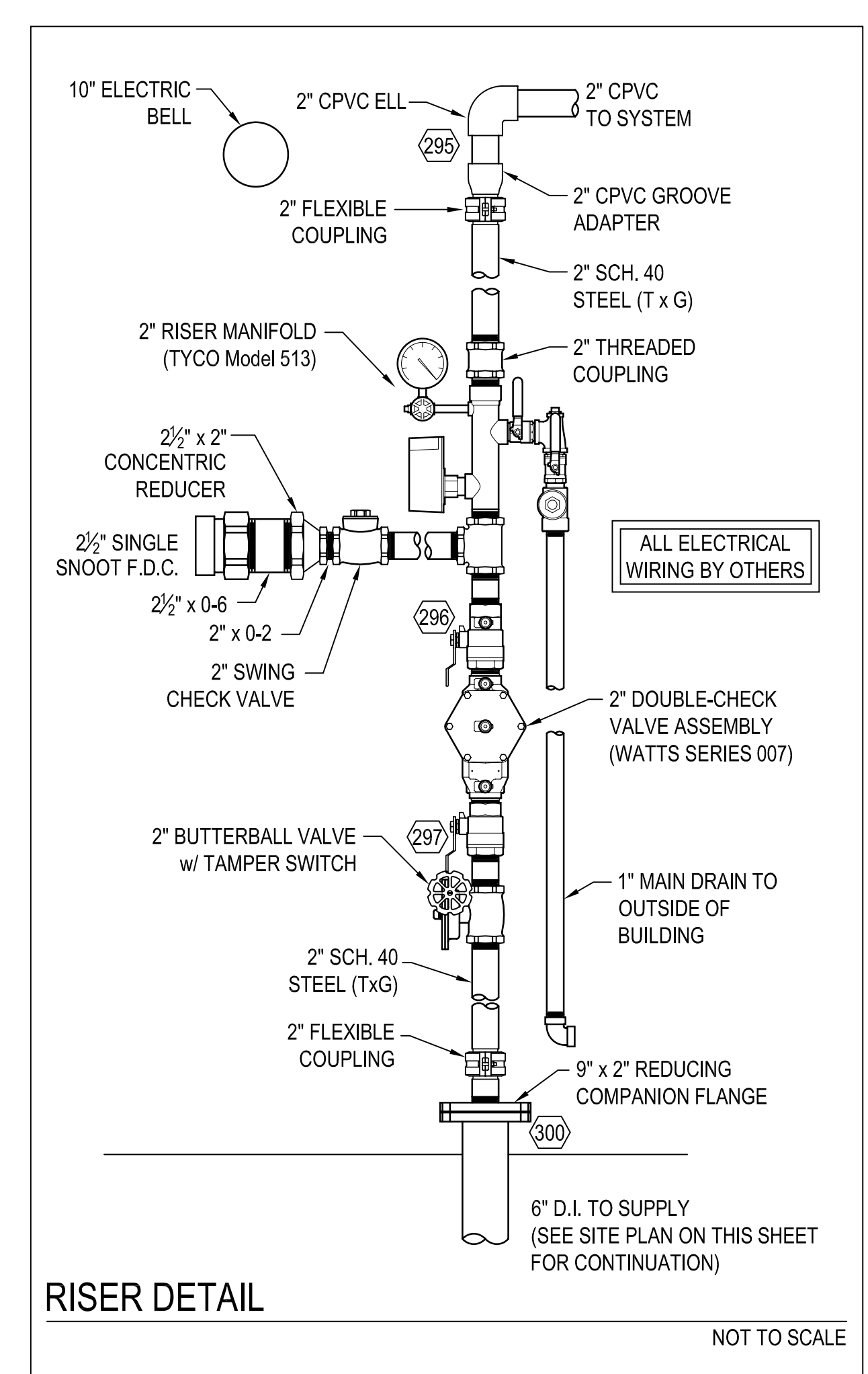
**CALCULATED AREA #5 - Corridor 369**  
OCCUPANCY: LIGHT HAZARD  
DENSITY: 0.10 GPM/SQ. FT.  
CALCULATION METHOD: ROOM DESIGN (5 CORRIDOR SPRINKLERS)

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

- 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.
- ALL ELECTRICAL WIRING OF FIRE PROTECTION SYSTEM AND COMPONENTS TO BE PERFORMED BY OTHER TRADE DIVISIONS.
- ALL PAINTING OF FIRE PROTECTION PIPING AND RELATED COMPONENTS TO BE PERFORMED BY OTHER TRADE DIVISIONS.
- ALL INSULATING OF FIRE PROTECTION PIPING AND RELATED COMPONENTS TO BE PERFORMED BY OTHER TRADE DIVISIONS.
- SPRINKLER PIPING TO BE HUNG AS PER NFPA 13R.
- SYSTEM TO BE INSTALLED, TESTED, AND FLUSHED per NFPA 13R STANDARDS AND LOCAL REQUIREMENTS.
- UNDERGROUND AND ABOVEGROUND PIPING TO BE HYDRO-STATICALLY TESTED AT 200 PSI FOR 2 HOURS.
- ALL SPRINKLER FITTINGS SHALL MEET OR EXCEED THE REQUIREMENTS OF NFPA 13R.
- ALL SPRINKLER PIPING SHALL CONFORM TO NFPA 13R 5.2.1 STANDARDS AND LOCAL REQUIREMENTS.
- SPARE SPRINKLER CABINET AND WRENCH TO BE FURNISHED PER NFPA 13R.
- DOMESTIC MATERIAL NOT REQUIRED.
- SPRINKLER HEADS ARE CENTER LINE OF CEILING TILE AS SHOWN IN DETAIL ON SHEET 1.
- PIPING: CPVC PIPE CONFORMING TO ASTM F 442
- 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: --



RISER DETAIL  
NOT TO SCALE

Revisions:

NO.	DATE	DESCRIPTION

FILE NAME:  
CHECKED BY:  
DRAWN BY: Sam Kossob

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

Hampton Inn & Suites Addition  
GENERAL NOTES, SPRINKLER LEGEND  
SITE PLAN, SECTION, RISER DETAIL  
DATE:  
SCALE:  
JOB #:  
B.D.#:  
DRAWING FOR:





