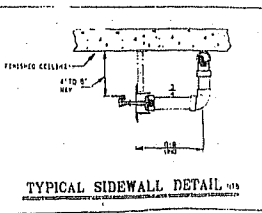
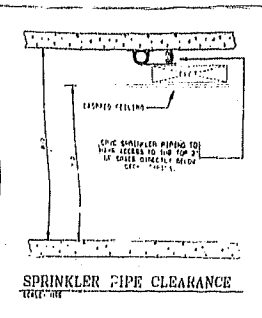


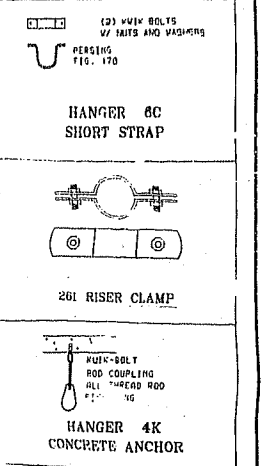
21" POSITION FIG 18-45B
PRESSURE RED VA W/ TAMPER
2-1/2\"/>

SPRINKLER SUPPLY
DETAIL P30V



ALL 1\"/>

HANGER DETAILS



THIS PLAN HAS BEEN REVIEWED FOR THE
APPEARANCE OF ITS HEAD LOCATIONS
AND FOR COMPLIANCE OF PIPE WITHIN
THE COLLARS AS REPRESENTED. IT IS
APPROVED FOR INSTALLATION AS SHOWN.

OWNER _____ DATE _____
ARCHITECT _____ DATE _____
GENERAL CONTRACTOR _____ DATE _____

CPVC SUPPORT SPACING

PIPE SIZE	MAXIMUM SPACING
1	5'-0"
1 1/2	6'-0"
2	7'-0"
3	8'-0"

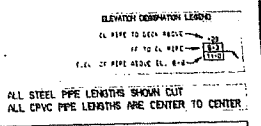
PLAN VIEW / MID-RISE / LEVEL 3 NW

SCALE: 3/32" = 1'-0"
FP EL. 18'-5"
REF. EL. 0'-0"
EOD 1'-24" (18'-2")

SEE SHEET FP-1 FOR GENERAL NOTES

NOTE: THE PARKING GARAGE
SYSTEMS ARE HYDRAULICALLY
SIMILAR TO LEVEL 6

- GENERAL NOTES
- 1 ALL CEILING PIPE TO BE CPVC BLENDED AND
 - 2 ALL BRANCHED PIPE TO BE SCH 40 OR SCH 10S 1 1/2" - 2" IN. AND SCH 10S FOR 2 1/2" AND LARGER (TYPICAL FOR PIPE EAST OF COLUMN LINE 24)
 - 3 ALL PIPE TO BE STRAPPED TO CONCRETE CEILING 1" BELOW CEILING
 - 4 ALL PIPE STRAPPED TO CONCRETE CEILING TO USE 6C HANGERS AND 261 RISER CLAMP
 - 5 ALL BRANCHED PIPE TO USE 4K HANGERS AND
 - 6 ALL SIDEWALL SPRINKLER HEADS TO BE 4" P. TO 5" IN. BELOW CEILING FROM DEFLECTOR
 - 7 SEE DRAWINGS FP-15, FP-30, FP-31, FP-32 OR FP-33 FOR DETAILED NOTES
 - 8 GARDEN APARTMENT SYSTEMS TO BE HYDRAULICALLY SIMILAR TO LEVEL 3 NW
 - 9 INSTALL WALL PLATES AT ALL WALL PENETRATIONS OF CEILING PIPING

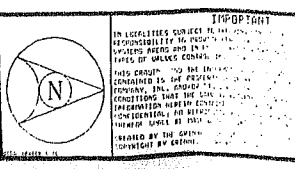


ALL STEEL PIPE LENGTHS SHOWN CUT
ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER.

GARDEN APARTMENT CPVC PIPING - WEST
OF COLUMN LINE 24 - NOT INCLUDED IN
REVISION 2 CONSTRUCTION RELEASE

PAINT MARK SYSTEM P30V - RED

KEY PLAN



IMPORTANT
IN LOCATIONS SUBJECT TO
CONSTRUCTION DELAYS...
CONTRACTOR TO BE RESPONSIBLE FOR
OBTAINING NECESSARY PERMITS AND
APPROVALS FROM ALL AFFECTED
AGENCIES AND AGENCIES.
CONTRACTOR TO BE RESPONSIBLE FOR
OBTAINING NECESSARY PERMITS AND
APPROVALS FROM ALL AFFECTED
AGENCIES AND AGENCIES.

CONTRACT RESPONSIBILITIES
OWNER: THE GRAND FLAMINGO
ARCHITECT: STEVEN FELLER, P.E. INC.
GENERAL CONTRACTOR: [Blank]

SYMBOLS
SPRINKLER HEAD: [Symbol]
RISER: [Symbol]
VALVE: [Symbol]
TAMPER: [Symbol]

SPRINKLERS/NOZZLES

MODEL	SHALL	NOT	REPLACE	REPLACE	REPLACE	REPLACE	REPLACE	REPLACE	REPLACE
CENTRAL	ESLD ON UPRIGHT	1/2" 5.4"	1-1/2"	155	STANDARD	WHITE	RECEIVED	RESIDENTIAL	RESIDENTIAL
CENTRAL	ESLD ON PENDENT	1/2" 3.9"	1-1/2"	155	FAST RESP.	WHITE	RECEIVED	RESIDENTIAL	RESIDENTIAL
CENTRAL	ESLD ON STEWALL	1/2" 5.4"	1-1/2"	155	STANDARD	WHITE	RECEIVED	RESIDENTIAL	RESIDENTIAL
CENTRAL	ESLD ON PENDENT	1/2" 3.9"	1-1/2"	155	FAST RESP.	WHITE	RECEIVED	RESIDENTIAL	RESIDENTIAL
CENTRAL	ESLD ON STEWALL	1/2" 5.4"	1-1/2"	155	STANDARD	WHITE	RECEIVED	RESIDENTIAL	RESIDENTIAL
CENTRAL	ESLD ON PENDENT	1/2" 3.9"	1-1/2"	155	FAST RESP.	WHITE	RECEIVED	RESIDENTIAL	RESIDENTIAL
CENTRAL	ESLD ON STEWALL	1/2" 5.4"	1-1/2"	155	STANDARD	WHITE	RECEIVED	RESIDENTIAL	RESIDENTIAL
CENTRAL	ESLD ON PENDENT	1/2" 3.9"	1-1/2"	155	FAST RESP.	WHITE	RECEIVED	RESIDENTIAL	RESIDENTIAL

ABBREVIATIONS
[List of abbreviations and their meanings]

APPROVALS
OWNER: [Signature]
ARCHITECT: [Signature]
GENERAL CONTRACTOR: [Signature]

REVISIONS
1. [Revision description]
2. [Revision description]

THE GRAND FLAMINGO
1600 BAY ROAD
MIAMI BEACH, FLORIDA

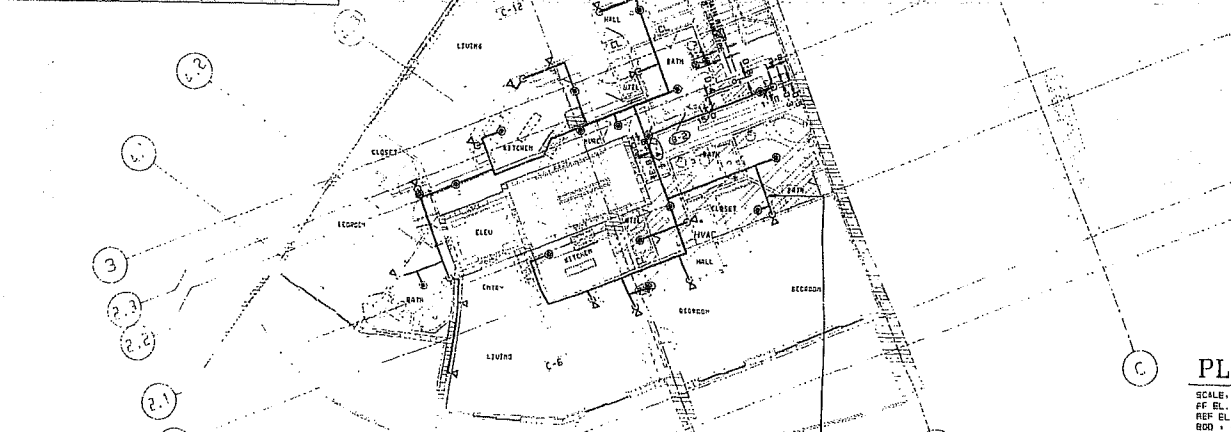
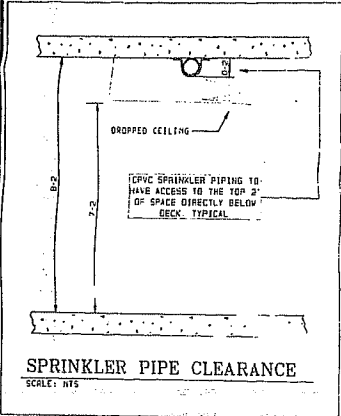
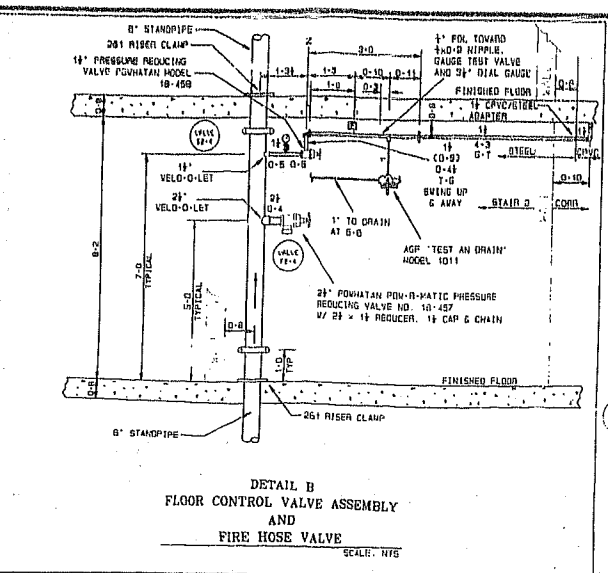
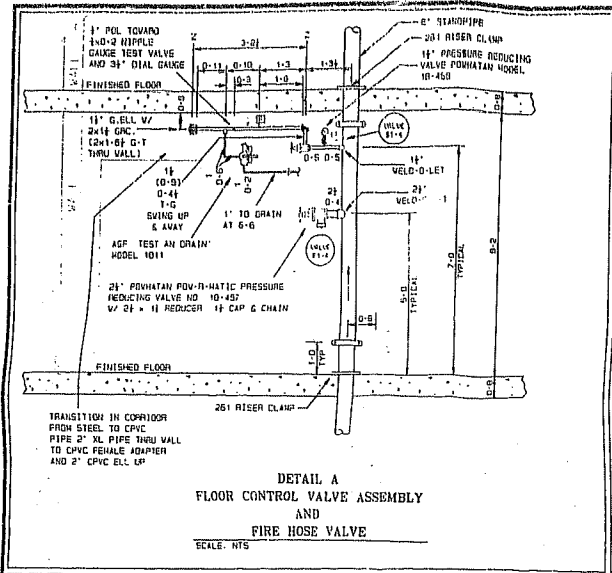
STEVEN FELLER, P.E. INC.
CONSULTING ENGINEER
1811 W. BUCKINGHAM ROAD, SUITE 210
MIAMI BEACH, FL 33134

Griffin Fire Protection
LITTLE ROCK, ARIZONA, TEXAS, VTA
LOCAL OFFICE: 2720 WEST 151ST STREET, MIAMI, FL 33146, 305-418-0370

SYSTEM INFO
PROJECT: MID-RISE SPRINKLER / LEVEL 3 / NORTH WEST
DATE: OCT 28 2008

AS NOTED
DRAWN BY: JDU
CHECKED BY: [Blank]
DATE: [Blank]
SCALE: [Blank]
DATE: [Blank]

DATE: JUNE 30, 2008
PROJECT NO.: 07-427841-01
SHEET NO.: FP-14



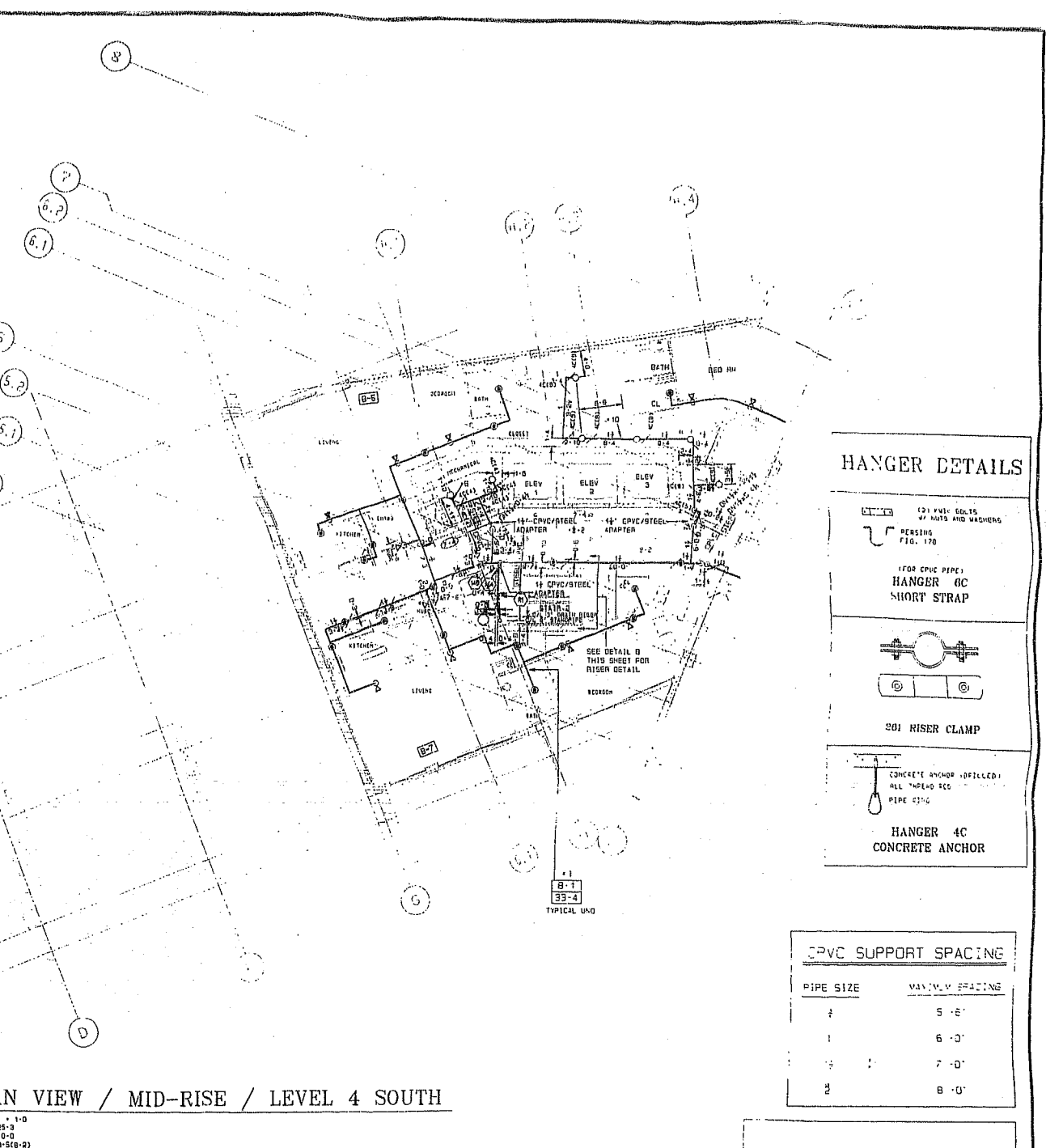
GENERAL NOTES

1. ALL CONCEALED PIPE TO BE CPVC BLUEMASTER UND.
2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1/2\"/>

OWNER _____ **DATE** _____

ARCHITECT _____ **DATE** _____

GENERAL CONT _____ **DATE** _____



CPVC SUPPORT SPACING

PIPE SIZE	MAXIMUM SPACING
1/2"	5'-0"
1"	6'-0"
1 1/2"	7'-0"
2"	8'-0"

ELEVATION DESIGNATION LEGEND

CL PIPE TO DECK ABOVE → 29

FF TO CL PIPE → B-3

ELEV. OF PIPE ABOVE EL. 0-0 → 11-0

KEY PLAN

STEVEN FELLER, P.E. INC.
CONSULTING ENGINEER
2781 W. OAKLAND PARK BLVD., SUITE 310
OAKLAND PARK, FL 33111 954-720-7920

Orionel Fire Protection
EXECUTIVE OFFICE - MIAMI, FL
LOCAL OFFICE: 6700 WEST 131ST ST., MIAMI, FL 33146, (305) 829-3224

THE GRAND FLAMINGO
1500 BAY ROAD
MIAMI BEACH, FLORIDA

LEVEL 4 - SOUTH

HYDRAULIC DESIGN DATA

CONTRACT NO. 27-427041-01

DATE: 7-14-00

DESIGNER: JF-15

APPROVALS

REVISIONS

ABBREVIATIONS

SPRINKLERS/NOZZLES

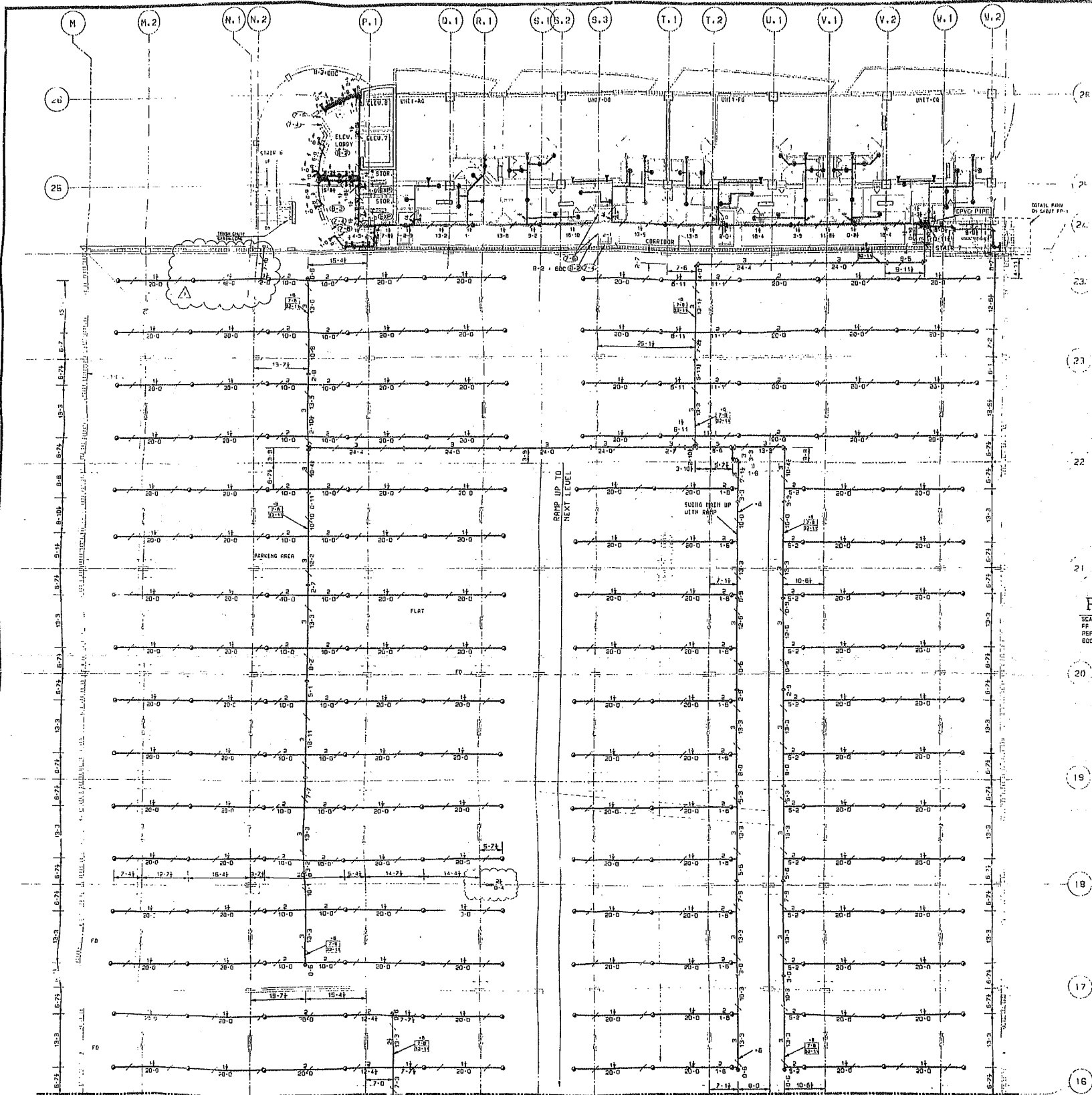
MODEL	SYMBOL	TYPE	SIZE	ORIFICE	TEMP.	SPRINKLER	NOZZLES
CENTRAL	40	UPRIGHT	1/2"	5.6	165	QUICK	WHITE
CENTRAL	40	UPRIGHT	1/2"	5.6	165	STANDARD	WHITE
CENTRAL	47	PENDANT	1/2"	3.0	165	FAST RESP.	WHITE
CENTRAL	47	PENDANT	1/2"	3.0	165	FAST RESP.	WHITE
CENTRAL	48	PENDANT	1/2"	5.6	165	STANDARD	WHITE
CENTRAL	48	PENDANT	1/2"	5.6	165	STANDARD	WHITE
CENTRAL	48	PENDANT	1/2"	5.6	165	QUICK	WHITE

NOTES:

1. ALL CONCEALED PIPE TO BE CPVC BLUEMASTER UND.
2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1/2\"/>

DATE: 7-14-00

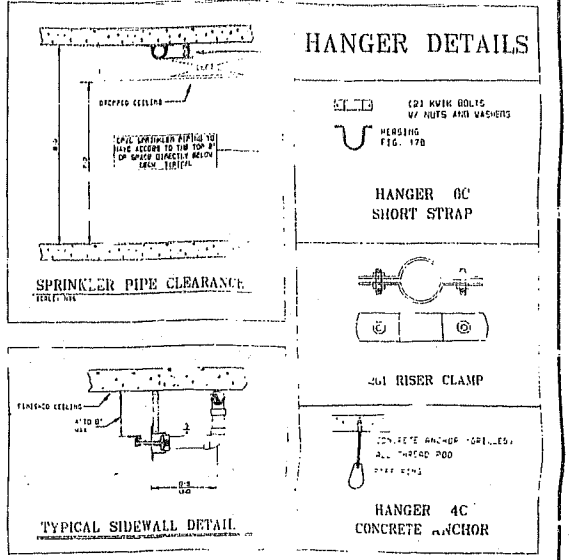
DESIGNER: JF-15



PLAN VIEW / MID-RISE / LEVEL 4 NW

SCALE: 3/32" = 1'-0"
 FF EL. 155'-3"
 REF. EL. 0'-0"
 000 - 33-510-21

SEE SHEET FP-1 FOR GENERAL NOTES
 NOTE: THE PARKING GARAGE SYSTEMS ARE HYDRAULICALLY SIMILAR TO LEVEL 6



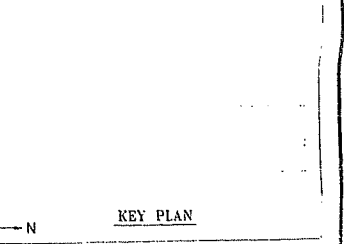
THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONFORMANCE OF PIPE WITH THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

OWNER	DATE
ARCHITECT	DATE
DESIGNER	DATE

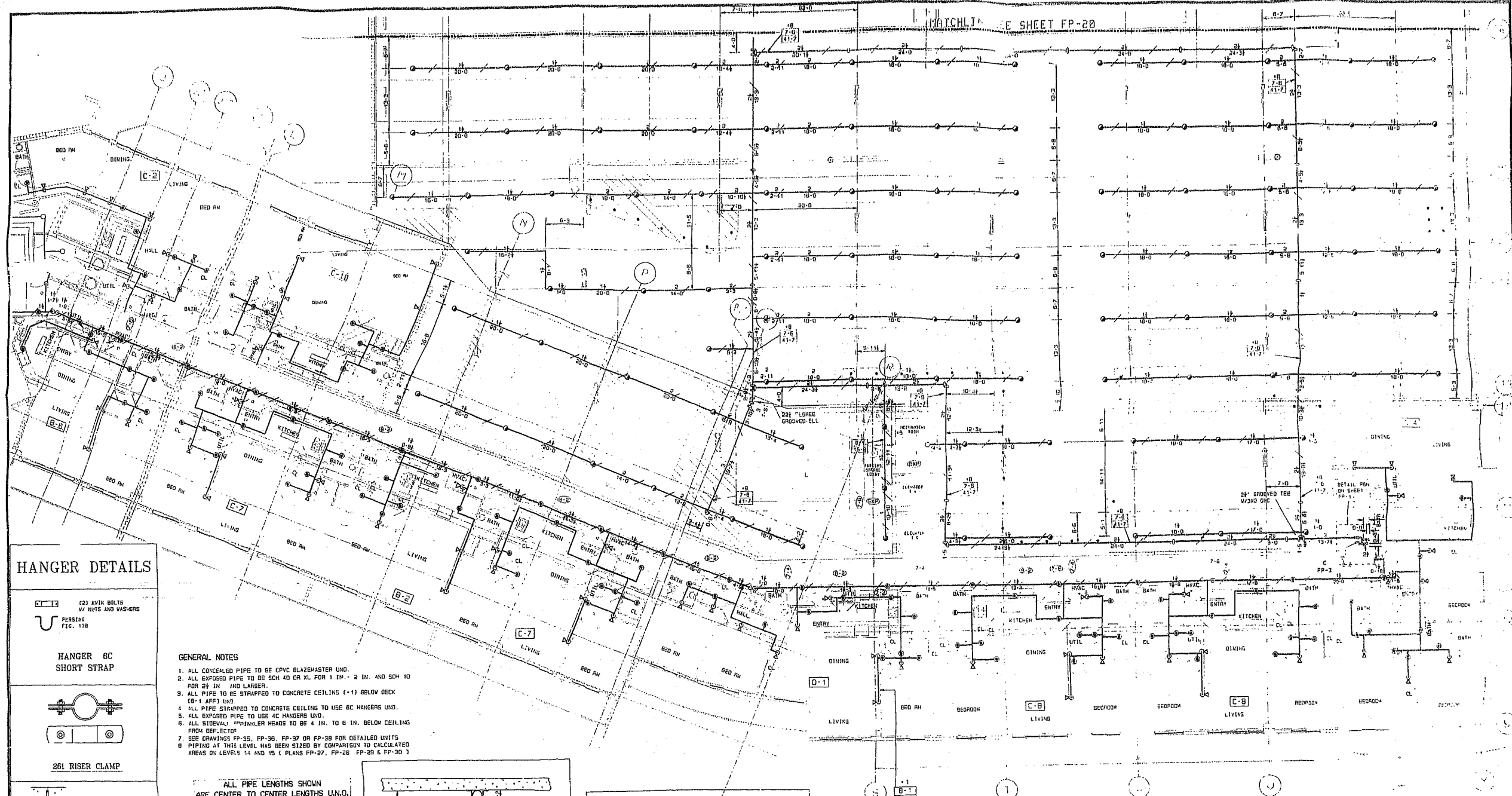
PIPE SIZE	MAXIMUM SPACING
1	5'-0"
2	6'-0"
3	7'-0"
4	8'-0"

- GENERAL NOTES**
- ALL CONCEALED PIPING TO BE 1/2" O.D. MINIMUM AND 1/2" DIA. AND 1/2" DIA. FOR 2" AND LARGER. TYPICAL FOR PIPE EAST OF COLUMN, SEE DETAIL.
 - ALL PIPING TO BE SHIPPED TO CONCRETE CEILING 1" BELOW CEILING.
 - ALL EXPOSED PIPING TO CONCRETE CEILING TO USE HANGER 4C.
 - ALL EXPOSED PIPING TO USE IC HANGER AND SPRINKLER HEADS TO BE 2" DIA. UNLESS OTHERWISE NOTED.
 - SEE DRAWINGS FOR HEAD LOCATIONS AND FOR HEADS TO BE INSTALLED ON LEVEL.
 - CONCRETE CEILING FINISH TO BE 1/2" BELOW CEILING.

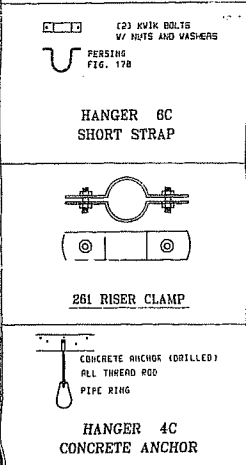
ELEVATION OF CEILING TO BE 155'-3" UNLESS OTHERWISE NOTED.
 ALL PIPING TO BE 1/2" BELOW CEILING.
 ALL PIPING TO BE 1/2" BELOW CEILING.
 ALL PIPING TO BE 1/2" BELOW CEILING.



<p>SYMBOLS</p> <p>SPRINKLERS/NOZZLES</p> <p>ABBREVIATIONS</p>	<p>CONTRACT RESPONSIBILITIES</p> <p>OWNER: THE GRAND FLAMINGO</p> <p>ARCHITECT: [Firm Name]</p> <p>DESIGNER: [Firm Name]</p>	<p>SYMBOLS</p> <p>SPRINKLERS/NOZZLES</p> <p>ABBREVIATIONS</p>	<p>APPROVALS</p> <p>DESIGNER: [Signature]</p> <p>CITY: [Signature]</p>	<p>SYSTEM INFO</p> <p>THE GRAND FLAMINGO</p> <p>1500 BAY ROAD</p> <p>MIAMI BEACH, FLORIDA</p>	<p>REVISIONS</p> <p>1. 2/15/00 TO CORRECT GARDEN APIS</p> <p>2. 2/15/00 TO CORRECT GARDEN APIS</p>	<p>DATE</p> <p>SEP 2, 2000</p>



HANGER DETAILS

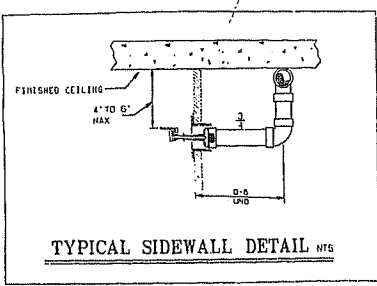
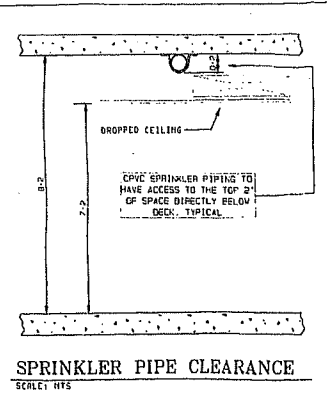


- GENERAL NOTES**
1. ALL CONCEALED PIPE TO BE CPVC BLAZEMASTER UND.
 2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1 IN. - 2 IN. AND SCH 10 FOR 2 1/2 IN. AND LARGER.
 3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (+1) BELOW DECK (C-1) AFD'S UND.
 4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE BC HANGERS UND.
 5. ALL EXPOSED PIPE TO USE 4C HANGERS UND.
 6. ALL SIDEWALL SPRINKLER HEADS TO BE 4 IN. TO 6 IN. BELOW CEILING FROM DECK TOP.
 7. SEE DRAWINGS FP-35, FP-36, FP-37 OR FP-38 FOR DETAILED UNITS.
 8. PIPING AT THIS LEVEL HAS BEEN SIZED BY COMPARISON TO CALCULATED AREAS ON LEVELS 14 AND 15 (PLANS FP-27, FP-28 & FP-30).

ALL PIPE LENGTHS SHOWN ARE CENTER TO CENTER LENGTHS U.N.O. SEE SHEET FP-1 FOR GENERAL NOTES

THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CELV'S AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

OWNER _____ DATE _____
 ARCHITECT _____ DATE _____
 GENERAL CONT _____ DATE _____



PLAN VIEW / MID-RISE / LEVEL 5 NORTH

SCALE: 1" = 1'-0"
 FF EL. +34'-1"
 REF. EL. +0'-0"
 000' ± = +2'-0" (10'-2")

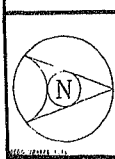
THE PARKING GARAGE WAS SUBMITTED PREVIOUSLY

NOTE: THE PARKING GARAGE SYSTEMS ARE HYDRAULICALLY SIMILAR TO LEVEL 6

ELEVATION DESIGNATION LEGEND

CL PIPE TO DECK ABOVE	+29
FF TO CL PIPE	+9'-3"
ELEV. OF PIPE ABOVE EL. 0'-0"	+11'-0"

KEY PLAN



IMPORTANT

IN LOCALITIES SUBJECT TO SEISMIC ACTIVITY, THE HANGER RESPONSIBILITY TO PROVIDE VIBRATION ISOLATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE VIBRATION ISOLATION TO ALL HANGERS AND SPRING SUPPORTS. THE CONTRACTOR SHALL PROVIDE VIBRATION ISOLATION TO ALL HANGERS AND SPRING SUPPORTS. THE CONTRACTOR SHALL PROVIDE VIBRATION ISOLATION TO ALL HANGERS AND SPRING SUPPORTS.

SYMBOLS

CEILING HANGERS	CONCRETE ANCHORS	SPRINKLER HEADS	PIPE RISERS
...

SPRINKLERS/NOZZLES

MANUF.	MODEL	TYPE	RTI	ORIFICE	TEMP. (°F)	RESPONSE TIME (SEC)	ESCAPES
...

SIFJEN FELLER, P.E., INC.
 CONSULTING ENGINEERS
 2781 W. DUNLAP PARK BLVD., SUITE 310
 DALLAS, TEXAS 75241 (972) 242-2400

Grinnell Fire Protection
 CONSULTING ENGINEERS
 1500 WEST 17TH STREET, MIAMI, FL 33134 (305) 358-8200

ABBREVIATIONS

...	...
...	...

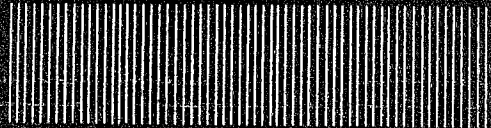
THE GRAND FLAMINGO
 1600 BAY ROAD
 MIAMI BEACH, FLORIDA

REVISIONS

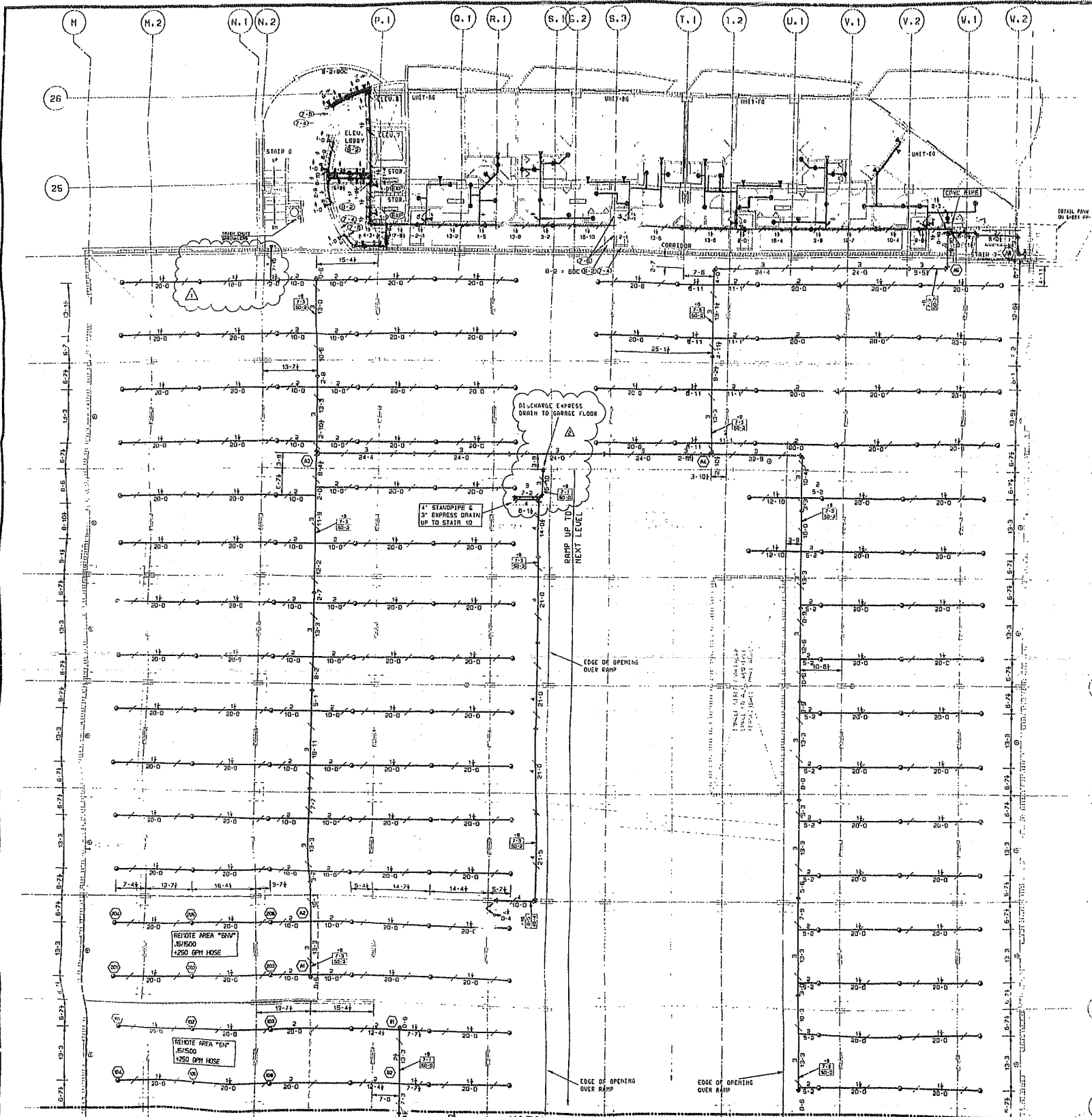
NO.	DATE	DESCRIPTION
1

**PREVIOUS
DOCUMENT**

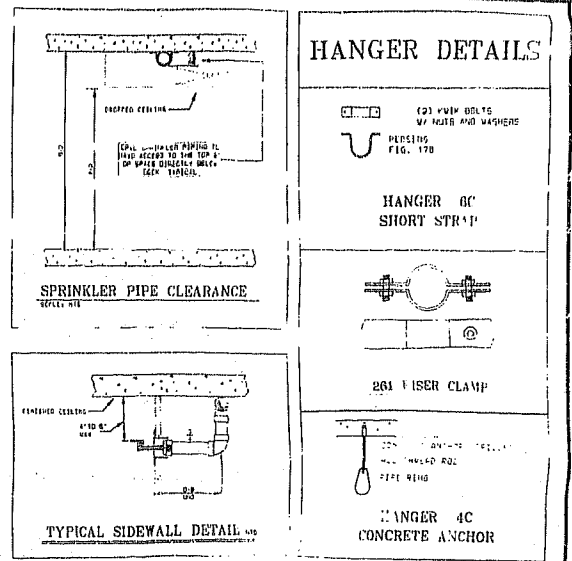
**IS
a photocopy in poor
condition**



FC 017



PLAN VIEW / MID-RISE / LEVEL 6 NW
 SCALE: 3/32" = 1'-0"
 FF EL. +42-11
 REF. EL. 1'-0-0
 SEE SHEET FP-1 FOR GENERAL NOTES

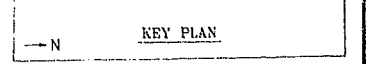


THIS PLAN HAS BEEN REVIEWED FOR THE PERFORMANCE OF THE HANGER LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

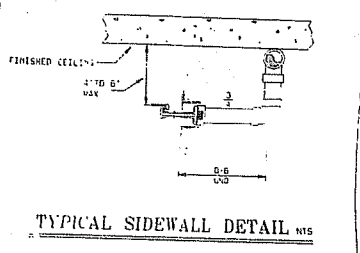
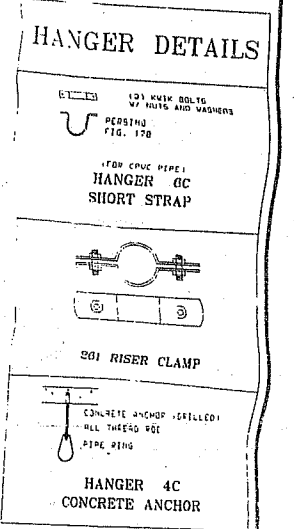
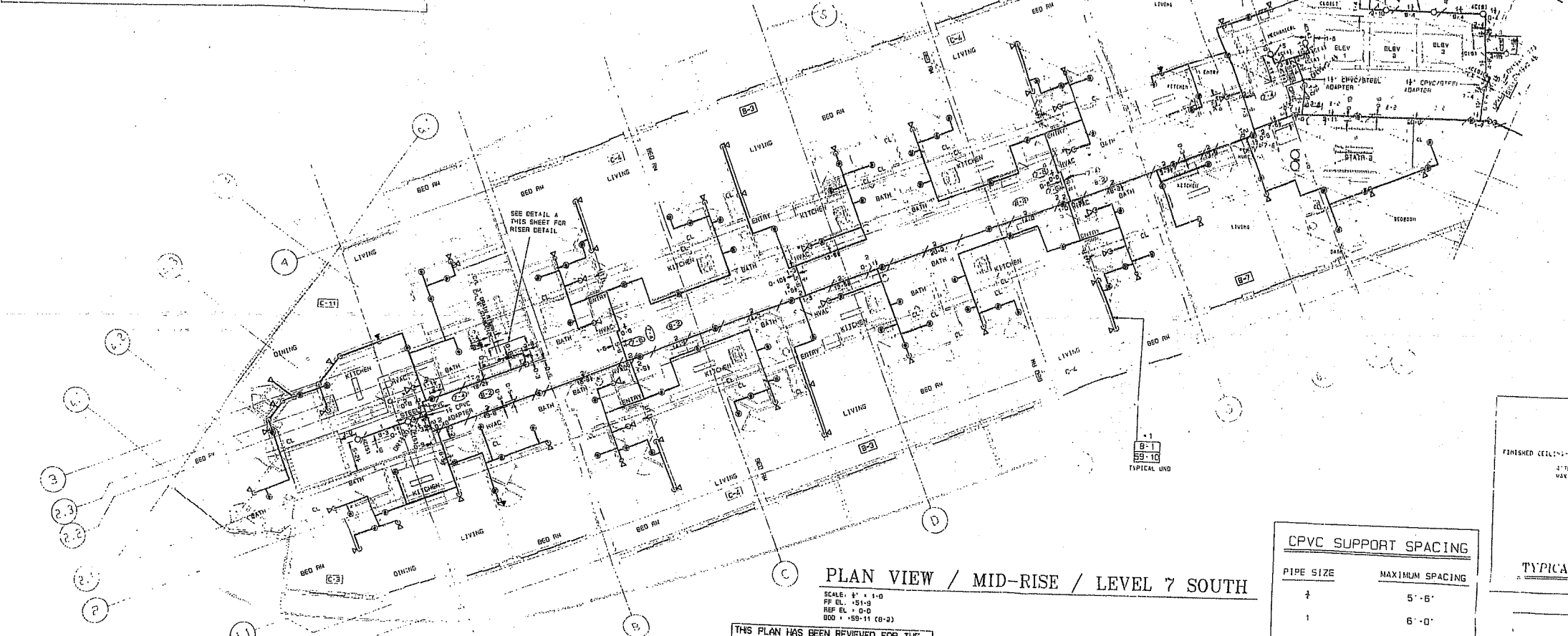
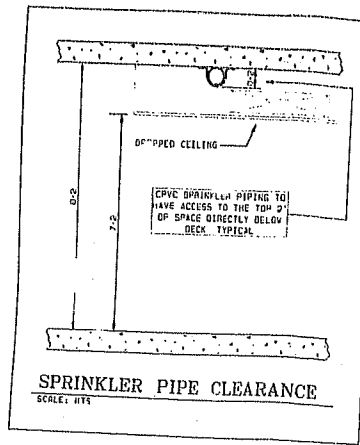
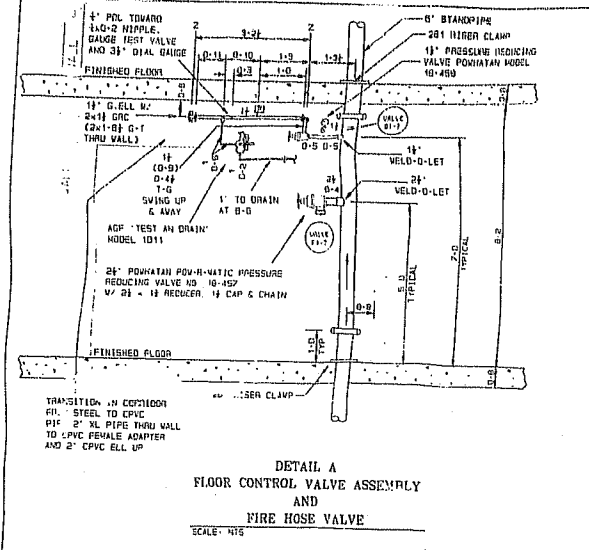
DESIGNER	DATE
ARCHITECT	DATE
GENERAL CONTRACTOR	DATE

"RVC SUPPORT" SPACING	
PIPE SIZE	MAXIMUM SPACING
1"	5'-0"
1 1/2"	6'-0"
2"	7'-0"
3"	8'-0"

- GENERAL NOTES**
1. ALL CONCEALED PIPE TO BE CIVIL RATEWAYS AND
 2. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK
 3. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK
 4. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK
 5. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK
 6. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK
 7. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK
 8. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK
- ELEVATION DESIGNATION LEGEND
 2L PIPE TO BE CENTER
 4L PIPE TO BE CENTER
 6L PIPE TO BE CENTER
 8L PIPE TO BE CENTER
- ALL PIPE LENGTHS SHOWN ARE CENTER TO CENTER UNLESS NOTED OTHERWISE.

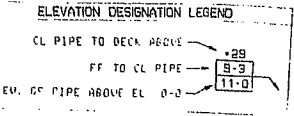


<p>NOTES</p> <p>1. ALL CONCEALED PIPE TO BE CIVIL RATEWAYS AND</p> <p>2. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>3. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>4. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>5. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>6. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>7. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>8. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p>	<p>CONTRACT RESPONSIBILITIES</p> <p>CLIENT: GRAND FLAMINGO</p> <p>DESIGNER: STEVEN FELLER, P.E. INC.</p> <p>GENERAL CONTRACTOR: []</p>	<p>SYMBOLS</p> <p>○ SPRINKLER NOZZLE</p> <p>□ HANGER</p> <p>— PIPE</p> <p>— RAMP</p>	<p>SPRINKLERS/NOZZLES</p> <table border="1"> <tr> <th>MODEL</th> <th>NO.</th> <th>STYLE</th> <th>SIZE</th> <th>ORIF.</th> <th>TEMP.</th> <th>RESP.</th> <th>FINISH</th> <th>NOTES</th> </tr> <tr> <td>CENTRAL</td> <td>08</td> <td>UPRIGHT</td> <td>1/2"</td> <td>5.6</td> <td>142°</td> <td>155</td> <td>QUICK</td> <td>WHITE</td> </tr> <tr> <td>CENTRAL</td> <td>08</td> <td>UPRIGHT</td> <td>1/2"</td> <td>5.6</td> <td>142°</td> <td>155</td> <td>QUICK</td> <td>WHITE</td> </tr> <tr> <td>CENTRAL</td> <td>08</td> <td>UPRIGHT</td> <td>1/2"</td> <td>5.6</td> <td>142°</td> <td>155</td> <td>QUICK</td> <td>WHITE</td> </tr> </table>	MODEL	NO.	STYLE	SIZE	ORIF.	TEMP.	RESP.	FINISH	NOTES	CENTRAL	08	UPRIGHT	1/2"	5.6	142°	155	QUICK	WHITE	CENTRAL	08	UPRIGHT	1/2"	5.6	142°	155	QUICK	WHITE	CENTRAL	08	UPRIGHT	1/2"	5.6	142°	155	QUICK	WHITE	<p>ABBREVIATIONS</p> <p>○ SPRINKLER NOZZLE</p> <p>□ HANGER</p> <p>— PIPE</p> <p>— RAMP</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td>02/24/2000</td> <td>ISSUED FOR PERMIT</td> </tr> </table>	NO.	DATE	DESCRIPTION	1	02/24/2000	ISSUED FOR PERMIT	<p>SYSTEM INFO</p> <p>THE GRAND FLAMINGO</p> <p>1800 BAY ROAD</p> <p>MIAMI BEACH, FLORIDA</p>	<p>APPROVALS</p> <p>DESIGNER: STEVEN FELLER, P.E.</p> <p>GENERAL CONTRACTOR: []</p>
				MODEL	NO.	STYLE	SIZE	ORIF.	TEMP.	RESP.	FINISH	NOTES																																					
CENTRAL	08	UPRIGHT	1/2"	5.6	142°	155	QUICK	WHITE																																									
CENTRAL	08	UPRIGHT	1/2"	5.6	142°	155	QUICK	WHITE																																									
CENTRAL	08	UPRIGHT	1/2"	5.6	142°	155	QUICK	WHITE																																									
NO.	DATE	DESCRIPTION																																															
1	02/24/2000	ISSUED FOR PERMIT																																															
<p>NOTES</p> <p>1. ALL CONCEALED PIPE TO BE CIVIL RATEWAYS AND</p> <p>2. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>3. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>4. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>5. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>6. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>7. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>8. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p>	<p>NOTES</p> <p>1. ALL CONCEALED PIPE TO BE CIVIL RATEWAYS AND</p> <p>2. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>3. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>4. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>5. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>6. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>7. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p> <p>8. ALL EXPOSED PIPE TO BE 40# OR 50# 1/2" DIA. 1/2" THICK AND 1/2" DIA. 1/2" THICK</p>																																																



CPVC SUPPORT SPACING

PIPE SIZE	MAXIMUM SPACING
1/2"	5'-6"
1"	6'-0"
1 1/2"	7'-0"
2"	8'-0"



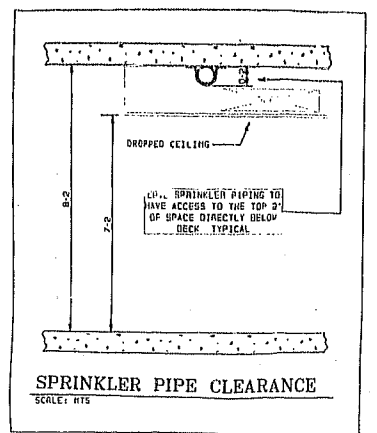
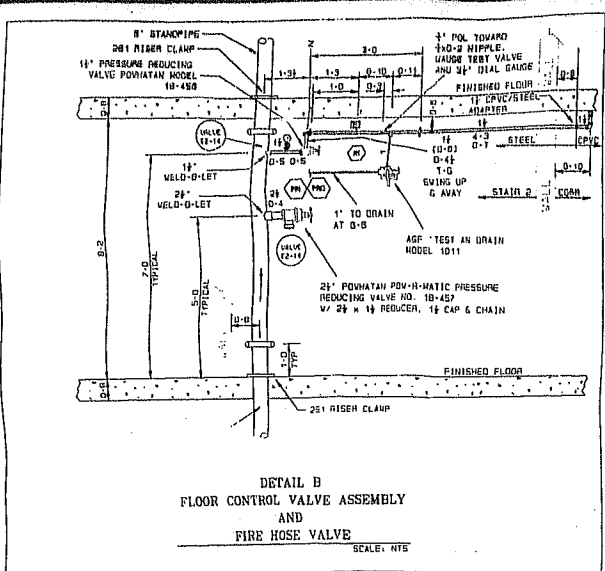
- GENERAL NOTES**
- ALL CONCEALED PIPE TO BE CPVC UNLESS OTHERWISE SHOWN.
 - ALL EXPOSED PIPE TO BE SCH 40 GALV. STEEL PIPE 1/2" AND SCH 10 FOR 2" IN. AND LARGER.
 - ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (1-1) BELOW DECK (0-1 AFF) UNO.
 - ALL PIPE STRAPPED TO CONCRETE CEILING TO USE 0C HANGERS UNO.
 - ALL EXPOSED PIPE TO USE 4C HANGERS UNO.
 - ALL SIDEWALL SPRINKLER HEADS TO BE 4" IN. 1G IN. BELOW CEILING FROM DEFLECTOR.
 - SEE DRAWINGS PP-25, PP-36, PP-37 OR PP-38 FOR DETAILED UNITS PIPING AT THIS LEVEL HAS BEEN SIZED BY CONVALENTS TO CALCULATED AREAS ON LEVELS 14 AND 15 (PLANS PP-27, PP-28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).

-ALL STEEL PIPE LENGTHS ARE CUT LENGTHS
-ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER LENGTHS

THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

OWNER _____ DATE _____
ARCHITECT _____ DATE _____
GENERAL CONT. _____ DATE _____

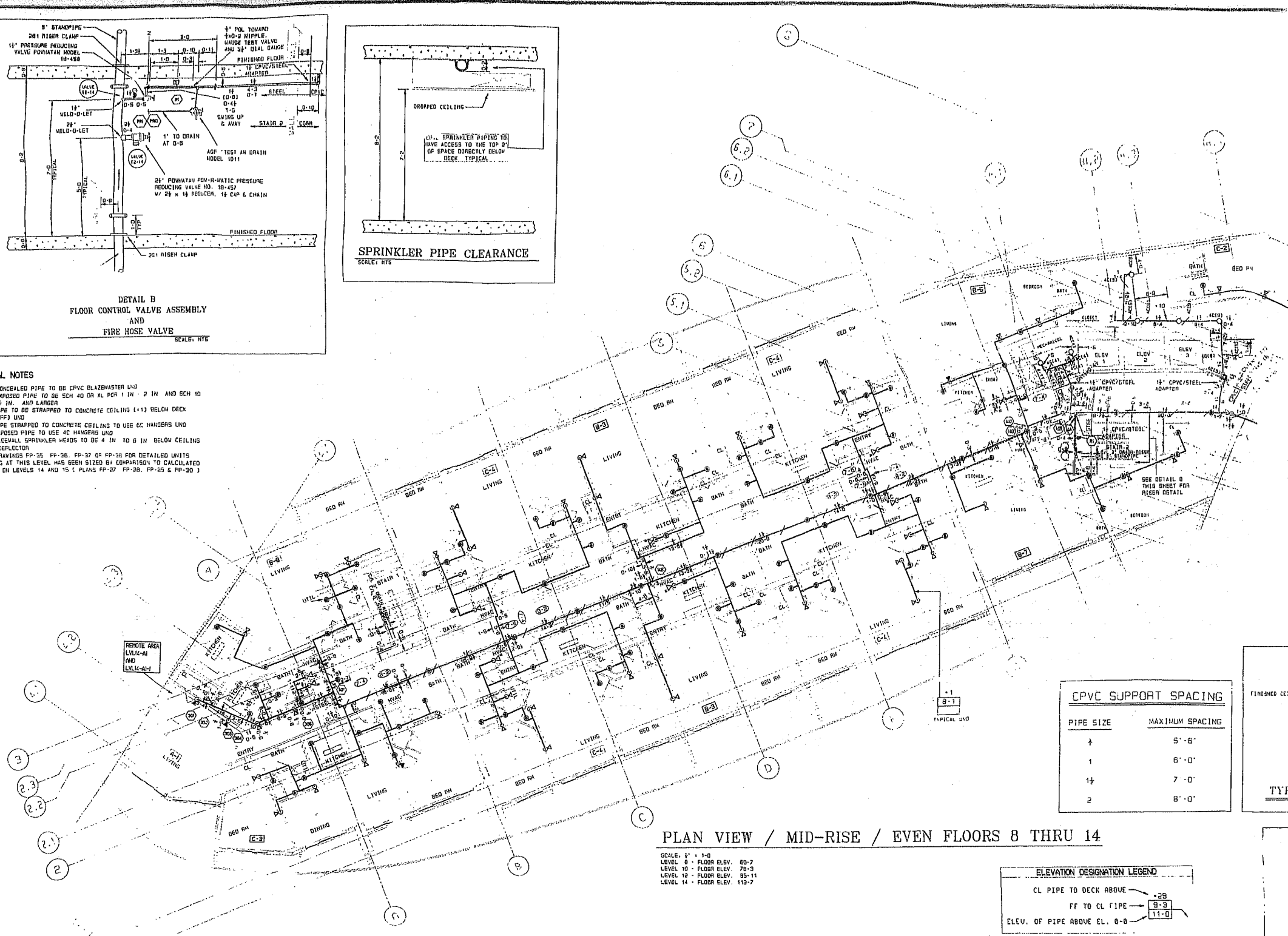
	IMPORTANCE THIS DRAWING IS SUBJECT TO THE GENERAL CONDITIONS OF CONTRACT AND SPECIFICATIONS FOR THE PROJECT. IT IS THE RESPONSIBILITY OF THE USER TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.	CONTRACT RESPONSIBILITIES CLIENT: THE GRAND FLAMINGO ARCHITECT: STEVEN FELLER, P.E. INC. ENGINEER: TYPHO CONTRACT NO.: 27-427081-01 DATE: 7-14-00 SHEET NO.: PP-28	SYMBOLS (List of symbols for various pipe types, valves, and fittings)	SPRINKLERS/NOZZLES (List of sprinkler and nozzle specifications)	ABBREVIATIONS (List of abbreviations used in the drawing)	SYSTEM INFO SYSTEM: FIRE SPRINKLER DATE: 10-20-99 DESIGNER: TYPHO	THE GRAND FLAMINGO 1500 BAY ROAD MIAMI BEACH, FLORIDA LEVEL 7 - SOUTH HYDRAULIC DESIGN DATA	REVISIONS (Table of revisions with dates and descriptions)	APPROVALS (Signatures and dates of project approvals)
	STEVEN FELLER, P.E. INC. CONSULTING ENGINEERS 8701 W. BUNGALOW PARK BLVD., SUITE 310 OAKLAND PARK, FL 33311 954-930-3400	TYPHO Fire Protection 2700 WEST 10TH STREET, MIAMI, FL 33135 305-442-8200	APPROVALS (Signatures and dates of project approvals)	REVISIONS (Table of revisions with dates and descriptions)	APPROVALS (Signatures and dates of project approvals)	REVISIONS (Table of revisions with dates and descriptions)	APPROVALS (Signatures and dates of project approvals)	REVISIONS (Table of revisions with dates and descriptions)	APPROVALS (Signatures and dates of project approvals)



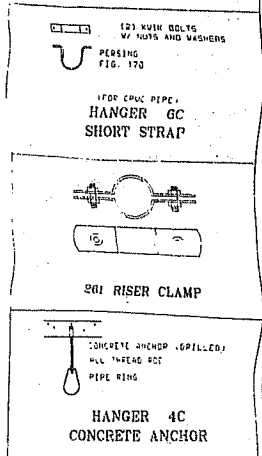
THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

OWNER _____ DATE _____
 ARCHITECT _____ DATE _____
 GENERAL CONT. _____ DATE _____

- GENERAL NOTES**
1. ALL CONCEALED PIPE TO BE CPVC BLAZEMASTER UND
 2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1 IN - 2 IN AND SCH 10 FOR 2 1/2 IN. AND LARGER
 3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (+1) BELOW DECK (B-1 AFF) UND
 4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE EC HANGERS UND
 5. ALL EXPOSED PIPE TO USE IC HANGERS UND
 6. ALL SIDEWALL SPRINKLER HEADS TO BE 4 IN TO 6 IN BELOW CEILING FROM DEFLECTOR
 7. SEE DRAWINGS FP-25, FP-26, FP-27 OR FP-28 FOR DETAILED UNITS
 8. PIPING AT THIS LEVEL HAS BEEN SIZED BY COMPARISON TO CALCULATED AREAS ON LEVELS 14 AND 15 (PLANS FP-27, FP-28, FP-29 & FP-30)

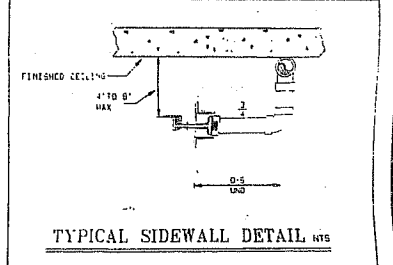


HANGER DETAILS



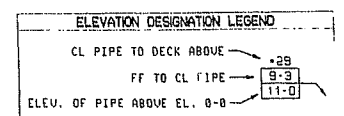
CPVC SUPPORT SPACING

PIPE SIZE	MAXIMUM SPACING
1/2"	5'-6"
1"	6'-0"
1 1/2"	7'-0"
2"	8'-0"

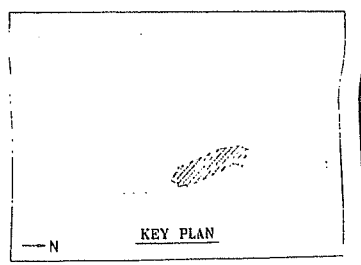


PLAN VIEW / MID-RISE / EVEN FLOORS 8 THRU 14

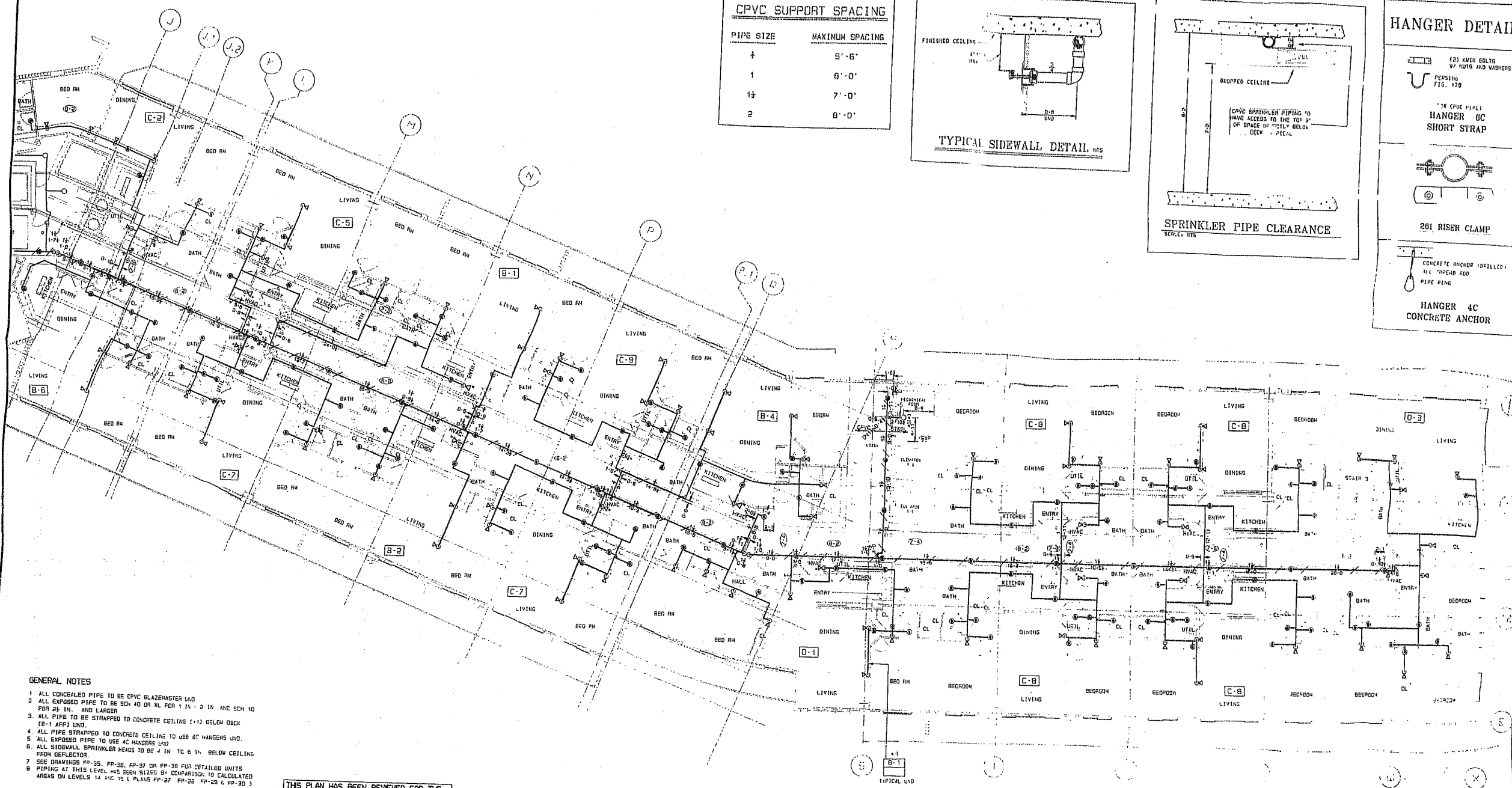
SCALE: 1/4" = 1'-0"
 LEVEL 8 - FLOOR ELEV. 80'-7"
 LEVEL 10 - FLOOR ELEV. 78'-9"
 LEVEL 12 - FLOOR ELEV. 85'-11"
 LEVEL 14 - FLOOR ELEV. 113'-7"



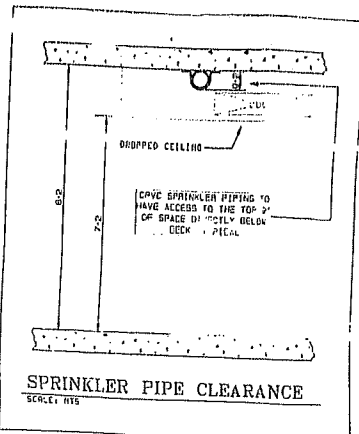
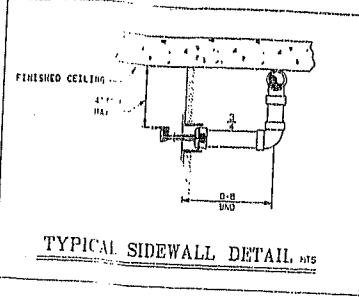
-ALL STEEL PIPE LENGTHS ARE CUT LENGTHS
 -ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER LENGTHS



<p>IMPORTANT</p> <p>IN ORDER TO AVOID ANY LIABILITY, THE USER OF THIS DRAWING SHALL BE RESPONSIBLE TO PROVIDE ANY INFORMATION AND ANSWERS TO ANY QUESTIONS THAT MAY ARISE FROM THE USE OF THIS DRAWING. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE ARCHITECT AND ENGINEER. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE ARCHITECT AND ENGINEER. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE ARCHITECT AND ENGINEER.</p>	<p>CONTRACT RESPONSIBILITIES</p> <p>OWNER: PROVIDE ALL NECESSARY INFORMATION AND ANSWERS TO ANY QUESTIONS THAT MAY ARISE FROM THE USE OF THIS DRAWING. PROVIDE ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. PROVIDE ALL NECESSARY INFORMATION FROM THE ARCHITECT AND ENGINEER.</p>	<p>SYMBOLS</p> <p>SPRINKLER HEAD: [Symbol]</p> <p>PIPE: [Symbol]</p> <p>VALVE: [Symbol]</p> <p>CLAMP: [Symbol]</p> <p>ANCHOR: [Symbol]</p>	<p>SPRINKLERS/NOZZLES</p> <table border="1"> <thead> <tr> <th>MODEL</th> <th>STYLE</th> <th>SIZE</th> <th>K</th> <th>TEMP</th> <th>LISTED</th> <th>RESPONSE</th> <th>TYPE</th> </tr> </thead> <tbody> <tr> <td>CENTRAL</td> <td>UPRIGHT</td> <td>1/2"</td> <td>5.6</td> <td>172°</td> <td>166</td> <td>QUICK</td> <td>WHITE</td> </tr> <tr> <td>CENTRAL</td> <td>UPRIGHT</td> <td>3/4"</td> <td>11.5</td> <td>172°</td> <td>166</td> <td>QUICK</td> <td>WHITE</td> </tr> <tr> <td>CENTRAL</td> <td>PENDANT</td> <td>1/2"</td> <td>5.6</td> <td>172°</td> <td>166</td> <td>FAST RESP.</td> <td>WHITE</td> </tr> <tr> <td>CENTRAL</td> <td>PENDANT</td> <td>3/4"</td> <td>11.5</td> <td>172°</td> <td>166</td> <td>FAST RESP.</td> <td>WHITE</td> </tr> <tr> <td>CENTRAL</td> <td>STANDARD</td> <td>1/2"</td> <td>5.6</td> <td>172°</td> <td>166</td> <td>QUICK</td> <td>WHITE</td> </tr> <tr> <td>CENTRAL</td> <td>STANDARD</td> <td>3/4"</td> <td>11.5</td> <td>172°</td> <td>166</td> <td>QUICK</td> <td>WHITE</td> </tr> <tr> <td>CENTRAL</td> <td>PENDANT</td> <td>1/2"</td> <td>5.6</td> <td>172°</td> <td>166</td> <td>QUICK</td> <td>WHITE</td> </tr> <tr> <td>CENTRAL</td> <td>PENDANT</td> <td>3/4"</td> <td>11.5</td> <td>172°</td> <td>166</td> <td>QUICK</td> <td>WHITE</td> </tr> </tbody> </table>	MODEL	STYLE	SIZE	K	TEMP	LISTED	RESPONSE	TYPE	CENTRAL	UPRIGHT	1/2"	5.6	172°	166	QUICK	WHITE	CENTRAL	UPRIGHT	3/4"	11.5	172°	166	QUICK	WHITE	CENTRAL	PENDANT	1/2"	5.6	172°	166	FAST RESP.	WHITE	CENTRAL	PENDANT	3/4"	11.5	172°	166	FAST RESP.	WHITE	CENTRAL	STANDARD	1/2"	5.6	172°	166	QUICK	WHITE	CENTRAL	STANDARD	3/4"	11.5	172°	166	QUICK	WHITE	CENTRAL	PENDANT	1/2"	5.6	172°	166	QUICK	WHITE	CENTRAL	PENDANT	3/4"	11.5	172°	166	QUICK	WHITE	<p>ABBREVIATIONS</p> <p>CL: CENTER LINE</p> <p>FF: FINISHED FLOOR</p> <p>EC: EXPOSED CONCRETE</p> <p>IC: INSULATED CONCRETE</p> <p>CPVC: CHLORINE POLYVINYLENE</p> <p>SCH: SCHEDULE</p> <p>XL: EXTRA LARGE</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SEP 12, 2000</td> <td>ISSUED FOR PERMIT</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	SEP 12, 2000	ISSUED FOR PERMIT	<p>SYSTEM INFO</p> <p>DESIGNER: STEVEN FELLER, P.E., INC.</p> <p>DATE: SEP 12, 2000</p>	<p>THE GRAND FLAMINGO</p> <p>1500 BAY ROAD</p> <p>MIAMI BEACH, FLORIDA</p> <p>LEVEL 8-14 (EVEN) - SOUTH</p>	<p>APPROVALS</p> <p>DESIGNER: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DATE: SEP 12, 2000</p>
				MODEL	STYLE	SIZE	K	TEMP	LISTED	RESPONSE	TYPE																																																																											
CENTRAL	UPRIGHT	1/2"	5.6	172°	166	QUICK	WHITE																																																																															
CENTRAL	UPRIGHT	3/4"	11.5	172°	166	QUICK	WHITE																																																																															
CENTRAL	PENDANT	1/2"	5.6	172°	166	FAST RESP.	WHITE																																																																															
CENTRAL	PENDANT	3/4"	11.5	172°	166	FAST RESP.	WHITE																																																																															
CENTRAL	STANDARD	1/2"	5.6	172°	166	QUICK	WHITE																																																																															
CENTRAL	STANDARD	3/4"	11.5	172°	166	QUICK	WHITE																																																																															
CENTRAL	PENDANT	1/2"	5.6	172°	166	QUICK	WHITE																																																																															
CENTRAL	PENDANT	3/4"	11.5	172°	166	QUICK	WHITE																																																																															
NO.	DATE	DESCRIPTION																																																																																				
1	SEP 12, 2000	ISSUED FOR PERMIT																																																																																				
<p>STEVEN FELLER, P.E., INC.</p> <p>CONSULTING ENGINEERS</p> <p>8781 W. OAKLAND PARK BLVD., SUITE 310</p> <p>OKLAHOMA PARK, FL 33551 954-239-7468</p>	<p>tyco</p> <p>Fire & Security</p> <p>10000 W. BIRCHWOOD BLVD., SUITE 100</p> <p>MIAMI, FL 33156 305-444-1111</p>	<p>REVISIONS</p> <p>1. [Signature]</p> <p>2. [Signature]</p>																																																																																				



CPVC SUPPORT SPACING	
PIPE SIZE	MAXIMUM SPACING
1/2"	5'-6"
1"	6'-0"
1 1/2"	7'-0"
2"	8'-0"



HANGER DETAILS

(2) KWIK BOLTS WITH NUTS AND WASHERS
POSTING FIG. 170

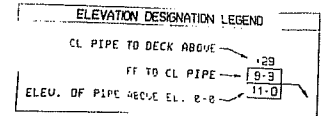
(2) CPVC PIPES
HANGER UC SHORT STRAP

201 RISER CLAMP

CONCRETE ANCHOR (FILLED) 1/2" HOLE DIA. PIPE DIA.

HANGER 4C CONCRETE ANCHOR

- #### GENERAL NOTES
1. ALL CONCEALED PIPE TO BE CPVC BLAZEMASTER L40
 2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1/2" & 3/4" AND SCH 10 FOR 1" AND LARGER
 3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (1") BELOW DECK (B-1 APPL) UNL.
 4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE 4C HANGERS UNL.
 5. ALL EXPOSED PIPE TO USE 4C HANGERS UNL.
 6. ALL SIDEWALL SPRINKLER HEADS TO BE 4" IN TO 6" IN BELOW CEILING FROM REFLECTOR.
 7. SEE DRAWINGS PP-35, PP-36, PP-37 OR PP-38 FOR DETAILED UNITS
 8. PIPING AT THIS LEVEL HAS BEEN SIZED BY COMPARISON TO CALCULATED AREAS ON LEVELS 14 L&C 15 L PLANS PP-27, PP-28, PP-29 & PP-30



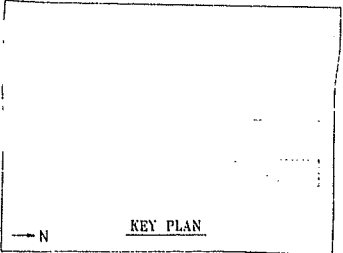
-ALL STEEL PIPE LENGTHS ARE CUT LENGTHS
-ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER LENGTHS

THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILINGS AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

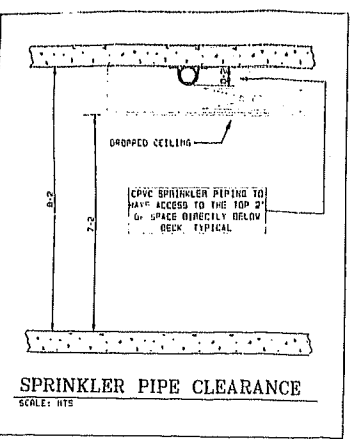
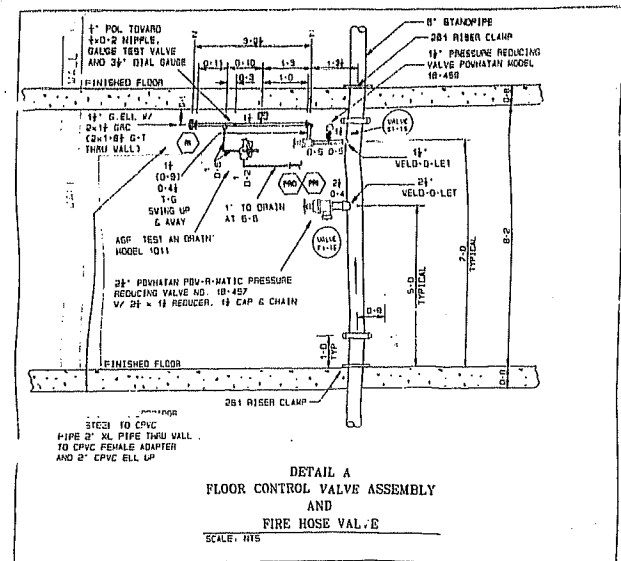
OWNER _____ DATE _____
 ARCHITECT _____ DATE _____
 GENERAL CONT. _____ DATE _____

PLAN VIEW / MID-RISE / EVEN FLOORS 8 THRU 14

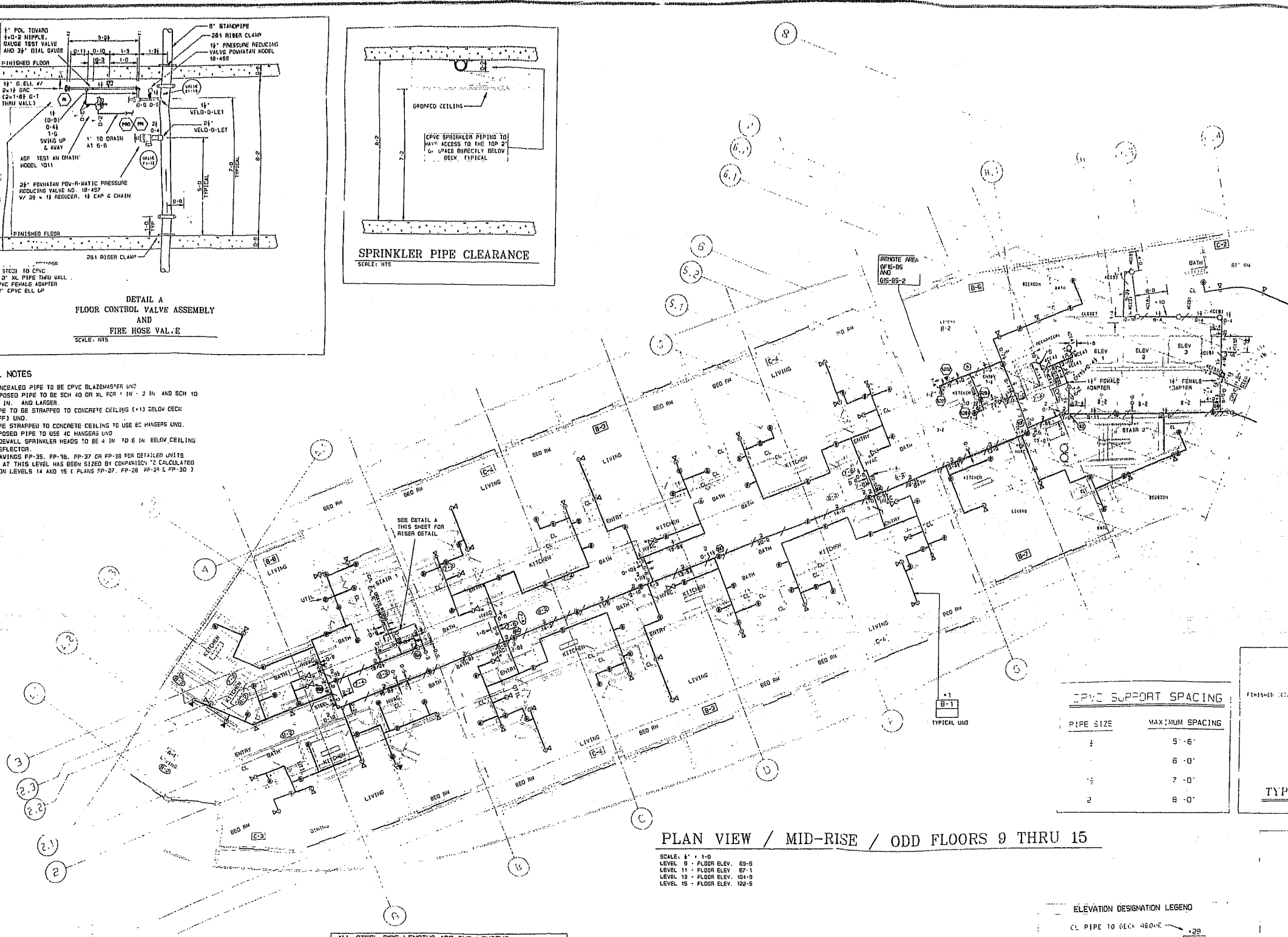
SCALE: 1/8" = 1'-0"
 LEVEL 8 - FLOOR ELEV 80'-2"
 LEVEL 10 - FLOOR ELEV 78'-3"
 LEVEL 12 - FLOOR ELEV 55'-11"
 LEVEL 14 - FLOOR ELEV 113'-7"



	IMPORTANT IN EMPLOYING OUR SERVICES YOU AGREE TO HOLD US RESPONSIBLE TO PROVIDE THE BEST SERVICE POSSIBLE AND TO HOLD US RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. YOU AGREE TO HOLD US RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. YOU AGREE TO HOLD US RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.	CONTRACT RESPONSIBILITIES ARCHITECT: DESIGN, PREPARE CONTRACT DOCUMENTS, SUPERVISE CONSTRUCTION. ENGINEER: DESIGN, PREPARE CONTRACT DOCUMENTS, SUPERVISE CONSTRUCTION.	SYMBOLS (List of symbols for various components)	SPRINKLERS/NOZZLES (List of sprinkler and nozzle specifications)	ABBREVIATIONS (List of abbreviations used in the drawing)	APPROVALS (Signatures and dates for approval)	SYSTEM INFO THE GRAND FLAMINGO 600 BAY ROAD MIAMI BEACH, FLORIDA LEVEL 8-14 (EVEN - NORTH)	REVISIONS (List of revisions)	DATE 7/14/88 PP-28
	STEVEN FELLER, P.E. INC. CONSULTING ENGINEERS 2701 N. OAKLAND PARK BLVD., SUITE 310 OAKLAND PARK, FL 33067, 561-253-2400	Grinnell Fire Protection SECURITY, ALARMS, DETECTION, FIRE, GAS LOCAL OFFICE: 2700 WEST BAY STREET, MIAMI, FL 33134, (305) 522-2222	REVISIONS 1. REVISED FOR APPROVAL 2. REVISED FOR APPROVAL 3. REVISED FOR APPROVAL						



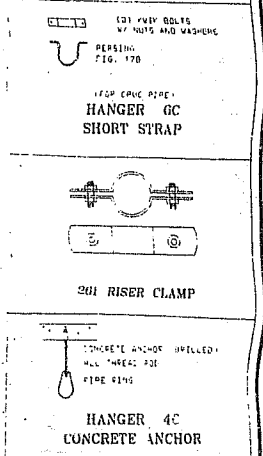
- GENERAL NOTES**
1. ALL CONCEALED PIPE TO BE CPVC BLAZEMASTER UNO
 2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1 IN - 2 IN AND SCH 10 FOR 2 1/2 IN - AND LARGER
 3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (+1) BELOW DECK (0-1 AFF) UNO.
 4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE GC HANGERS UNO.
 5. ALL EXPOSED PIPE TO USE GC HANGERS UNO.
 6. ALL SIDEWALL SPRINKLER HEADS TO BE 4 IN TO 6 IN BELOW CEILING FROM DEFLECTOR.
 7. SEE DRAWINGS FP-35, FP-36, FP-37 OR FP-38 FOR DETAILED UNITS
 8. PIPING AT THIS LEVEL HAS BEEN SIZED BY COMPARISON TO CALCULATED AREAS ON LEVELS 14 AND 15 (PLANS FP-27, FP-28, FP-29, 5 FP-30)



THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

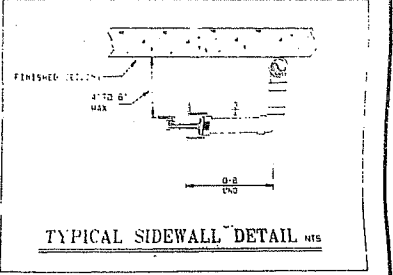
CHECKED _____ DATE _____
 ARCHITECT _____ DATE _____
 GENERAL CONTRACTOR _____ DATE _____

HANGER DETAILS



CPVC SUPPORT SPACING

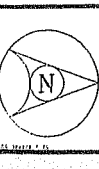
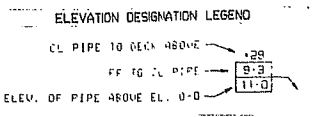
PIPE SIZE	MAXIMUM SPACING
1/2"	5'-6"
3/4"	6'-0"
1"	7'-0"
2"	8'-0"



PLAN VIEW / MID-RISE / ODD FLOORS 9 THRU 15

SCALE: 1" = 1'-0"
 LEVEL 9 - FLOOR ELEV. 69'-6"
 LEVEL 11 - FLOOR ELEV. 87'-1"
 LEVEL 13 - FLOOR ELEV. 104'-9"
 LEVEL 15 - FLOOR ELEV. 122'-5"

-ALL STEEL PIPE LENGTHS ARE CUT LENGTHS
 -ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER LENGTHS



CONTRACT RESPONSIBILITIES

ITEM	RESP.
CLIENT	OWNER
DESIGN	ARCHITECT
PERMITS	ENGINEER
INSTALLATION	CONTRACTOR
MAINTENANCE	OWNER

SYMBOLS

SYMBOL	DESCRIPTION
(Circle with number)	SPRINKLER HEAD
(Line with circle)	PIPE ABOVE ELEV.
(Line with square)	PIPE AT ELEV.
(Line with triangle)	PIPE BELOW ELEV.

SPRINKLERS/HOZZLES

MODEL	STYLE	SIZE	TEMP.	ORIFICE	TEMP.	SPRINKLER	HOZZLE	NOTES
CENTRAL	OR	UPRIGHT	1-2"	1/2"	160	STANDARD	WHITE	WHITE CORRODPROOF FINISH
CENTRAL	ES	OR	1-2"	3/8"	160	STANDARD	WHITE	WHITE CORRODPROOF FINISH
CENTRAL	LF	PENDENT	1-2"	3/8"	160	FACT RESP	WHITE	RECEIVED
CENTRAL	LF	STICWALL	1-2"	3/8"	160	FACT RESP	WHITE	RECEIVED
CENTRAL	SM	STICWALL	1-2"	3/8"	160	FACT RESP	WHITE	RECEIVED
CENTRAL	LF	PENDENT	1-2"	3/8"	160	FACT RESP	WHITE	RECEIVED
CENTRAL	ES	STICWALL	1-2"	3/8"	160	STANDARD	WHITE	RECEIVED
CENTRAL	ES	STICWALL	1-2"	3/8"	160	STANDARD	WHITE	RECEIVED
CENTRAL	ES	STICWALL	1-2"	3/8"	160	STANDARD	WHITE	RECEIVED

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
CPVC	CHLORIDE POLYVINYLENE
SCH 40	STANDARD WEIGHT
XL	EXTRA LIGHT
SCH 10	EXTRA LIGHT

SYSTEM INFO

ITEM	VALUE
DESIGN DATE	11/14/00
REVISION DATE	11/14/00
DESIGNER	STEVEN FULLER, P.E., INC.
CONTRACT NO.	27-127841-01
DATE	7/14/00
DRAWING NO.	FP-29

THE GRAND FLAMINGO
 530 BAY ROAD
 LAKE BEACH, FLORIDA

LEVEL 9-15 (ODD) - SOUTH

1/8" = 1'-0"

11/14/00

STEVEN FULLER, P.E., INC.

DALLAS CENTRAL DESIGN ENGINEERING ARCHITECTS

CONTRACT NO. 27-127841-01

DATE 7/14/00

DRAWING NO. FP-29

STEVEN FULLER, P.E., INC.
 CONSULTING ENGINEERS
 2781 W. OAKLAND PARK BLVD., SUITE 310
 LAKELAND PARK, FL 32151 384-3700-2000

tyco Original Fire Protection
 EXECUTIVE OFFICE - WILMINGTON, DE, USA
 LOCAL OFFICE - 6700 WEST 41ST STREET, MIAMI, FL 33166 (305) 427-1212

APPROVALS

DATE	BY	FOR
11/14/00	STEVEN FULLER	DESIGN
11/14/00	STEVEN FULLER	CHECK

REVISIONS

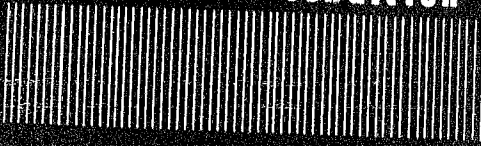
NO.	DATE	DESCRIPTION
1	11/14/00	ISSUE FOR PERMITS

LASON SYSTEMS INC. S.E.

6934 N.W. 12 STREET, MIAMI, FLORIDA 33126
305-477-9149 • 800-287-4199 • FAX 305-477-7525

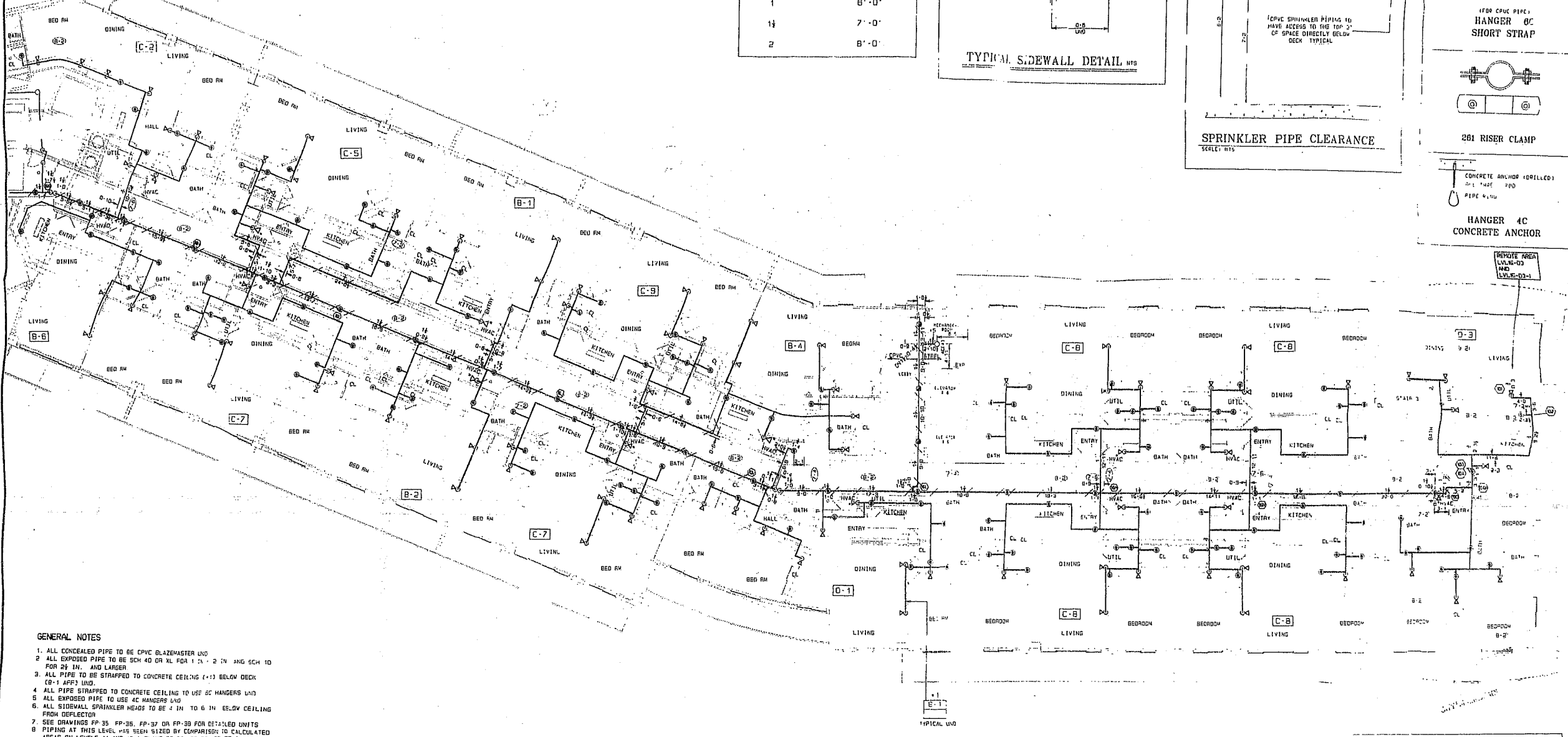
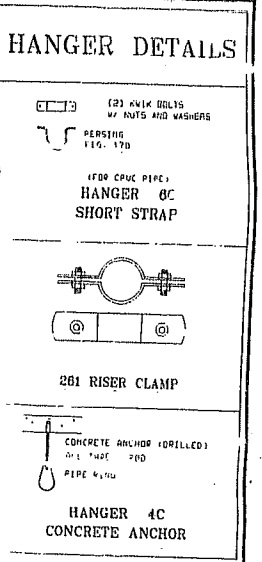
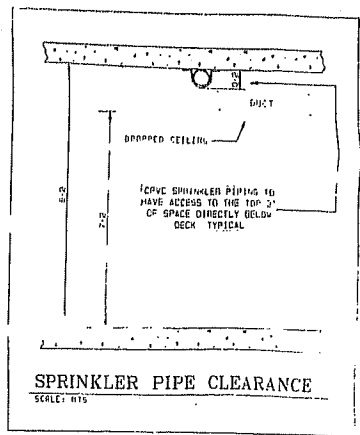
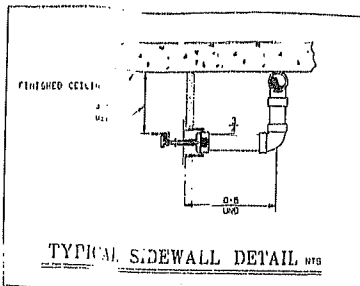
**PREVIOUS
DOCUMENT**

**IS
a photocopy in poor
condition**

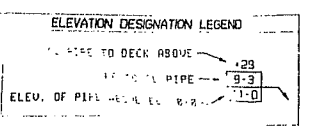


FC 017

CPVC SUPPORT SPACING	
PIPE SIZE	MAXIMUM SPACING
1/2"	5'-0"
3/4"	6'-0"
1"	7'-0"
1 1/2"	8'-0"



- GENERAL NOTES**
1. ALL CONCEALED PIPE TO BE CPVC GLAZEMASTER LIND
 2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1/2" - 2" AND SCH 10 FOR 2 1/2" AND LARGER
 3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (+1) BELOW DECK CP-1 APPROX. 2" UNID.
 4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE 0C HANGERS LIND
 5. ALL EXPOSED PIPE TO USE 4C HANGERS LIND
 6. ALL SIDEWALL SPRINKLER HEADS TO BE 4" IN TO 6" IN BELOW CEILING FROM DEFLECTOR
 7. SEE DRAWINGS FP-35, FP-36, FP-37 ON FP-29 FOR RETAINED UNITS
 8. PIPING AT THIS LEVEL HAS BEEN SIZED BY COMPARISON TO CALCULATED AREAS ON LEVELS 14 AND 15. PLANS FP-27, FP-28, FP-29 & FP-30



-ALL STEEL PIPE LENGTHS ARE CUT LENGTHS
-ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER LENGTHS

THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

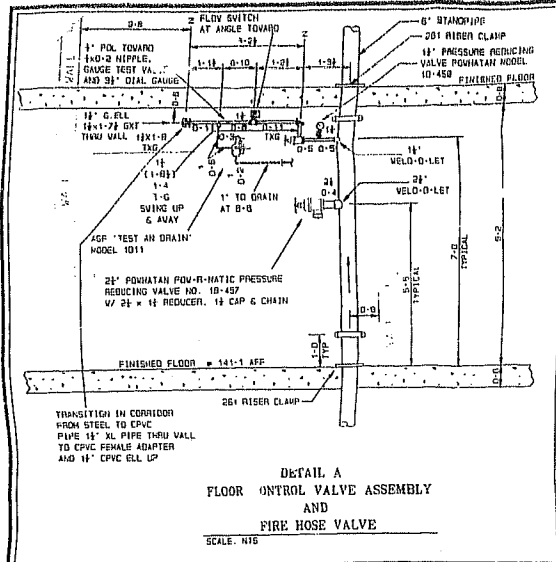
OWNER	DATE
ARCHITECT	DATE
GENERAL CONT.	DATE

PLAN VIEW / MID-RISE / ODD FLOORS 9 THRU 15

SCALE: 1/4" = 1'-0"
LEVEL 9 - FLOOR ELEV. 00'-5"
LEVEL 11 - FLOOR ELEV. 07'-1"
LEVEL 13 - FLOOR ELEV. 10'-9"
LEVEL 15 - FLOOR ELEV. 12'-5"

KEY PLAN

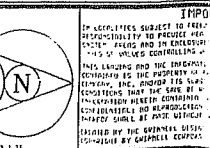
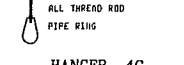
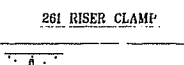
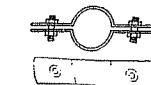
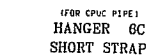
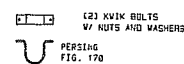
	STEVEN FELLER, P.E. INC. CONSULTING ENGINEERS 2701 W. GARDLAND PARK BLVD., SUITE 310 OAKLAND PARK, FL 33311 954-239-2488	THOR Fire & Security Grinnell Fire Protection EXECUTIVE OFFICE: 2700 WEST 101ST STREET, MIAMI, FL 33166 305-551-0227 LOCAL OFFICE: 2700 WEST 101ST STREET, MIAMI, FL 33166 305-551-0227	SYSTEM INFO THE GRAND FLAMINGO 800 BAY ROAD MIAMI BEACH, FLORIDA LEVEL 9-15 (ODD) - NORTH	1/8" = 1'-0" 1/4" = 1'-0" 1/2" = 1'-0" 3/4" = 1'-0" 1" = 1'-0" 1 1/4" = 1'-0" 1 1/2" = 1'-0" 2" = 1'-0" 2 1/2" = 1'-0" 3" = 1'-0" 3 1/2" = 1'-0" 4" = 1'-0" 4 1/2" = 1'-0" 5" = 1'-0" 5 1/2" = 1'-0" 6" = 1'-0" 6 1/2" = 1'-0" 7" = 1'-0" 7 1/2" = 1'-0" 8" = 1'-0" 8 1/2" = 1'-0" 9" = 1'-0" 9 1/2" = 1'-0" 10" = 1'-0" 10 1/2" = 1'-0" 11" = 1'-0" 11 1/2" = 1'-0" 12" = 1'-0" 12 1/2" = 1'-0" 13" = 1'-0" 13 1/2" = 1'-0" 14" = 1'-0" 14 1/2" = 1'-0" 15" = 1'-0" 15 1/2" = 1'-0" 16" = 1'-0" 16 1/2" = 1'-0" 17" = 1'-0" 17 1/2" = 1'-0" 18" = 1'-0" 18 1/2" = 1'-0" 19" = 1'-0" 19 1/2" = 1'-0" 20" = 1'-0" 20 1/2" = 1'-0" 21" = 1'-0" 21 1/2" = 1'-0" 22" = 1'-0" 22 1/2" = 1'-0" 23" = 1'-0" 23 1/2" = 1'-0" 24" = 1'-0" 24 1/2" = 1'-0" 25" = 1'-0" 25 1/2" = 1'-0" 26" = 1'-0" 26 1/2" = 1'-0" 27" = 1'-0" 27 1/2" = 1'-0" 28" = 1'-0" 28 1/2" = 1'-0" 29" = 1'-0" 29 1/2" = 1'-0" 30" = 1'-0" 30 1/2" = 1'-0" 31" = 1'-0" 31 1/2" = 1'-0" 32" = 1'-0" 32 1/2" = 1'-0" 33" = 1'-0" 33 1/2" = 1'-0" 34" = 1'-0" 34 1/2" = 1'-0" 35" = 1'-0" 35 1/2" = 1'-0" 36" = 1'-0" 36 1/2" = 1'-0" 37" = 1'-0" 37 1/2" = 1'-0" 38" = 1'-0" 38 1/2" = 1'-0" 39" = 1'-0" 39 1/2" = 1'-0" 40" = 1'-0" 40 1/2" = 1'-0" 41" = 1'-0" 41 1/2" = 1'-0" 42" = 1'-0" 42 1/2" = 1'-0" 43" = 1'-0" 43 1/2" = 1'-0" 44" = 1'-0" 44 1/2" = 1'-0" 45" = 1'-0" 45 1/2" = 1'-0" 46" = 1'-0" 46 1/2" = 1'-0" 47" = 1'-0" 47 1/2" = 1'-0" 48" = 1'-0" 48 1/2" = 1'-0" 49" = 1'-0" 49 1/2" = 1'-0" 50" = 1'-0" 50 1/2" = 1'-0" 51" = 1'-0" 51 1/2" = 1'-0" 52" = 1'-0" 52 1/2" = 1'-0" 53" = 1'-0" 53 1/2" = 1'-0" 54" = 1'-0" 54 1/2" = 1'-0" 55" = 1'-0" 55 1/2" = 1'-0" 56" = 1'-0" 56 1/2" = 1'-0" 57" = 1'-0" 57 1/2" = 1'-0" 58" = 1'-0" 58 1/2" = 1'-0" 59" = 1'-0" 59 1/2" = 1'-0" 60" = 1'-0" 60 1/2" = 1'-0" 61" = 1'-0" 61 1/2" = 1'-0" 62" = 1'-0" 62 1/2" = 1'-0" 63" = 1'-0" 63 1/2" = 1'-0" 64" = 1'-0" 64 1/2" = 1'-0" 65" = 1'-0" 65 1/2" = 1'-0" 66" = 1'-0" 66 1/2" = 1'-0" 67" = 1'-0" 67 1/2" = 1'-0" 68" = 1'-0" 68 1/2" = 1'-0" 69" = 1'-0" 69 1/2" = 1'-0" 70" = 1'-0" 70 1/2" = 1'-0" 71" = 1'-0" 71 1/2" = 1'-0" 72" = 1'-0" 72 1/2" = 1'-0" 73" = 1'-0" 73 1/2" = 1'-0" 74" = 1'-0" 74 1/2" = 1'-0" 75" = 1'-0" 75 1/2" = 1'-0" 76" = 1'-0" 76 1/2" = 1'-0" 77" = 1'-0" 77 1/2" = 1'-0" 78" = 1'-0" 78 1/2" = 1'-0" 79" = 1'-0" 79 1/2" = 1'-0" 80" = 1'-0" 80 1/2" = 1'-0" 81" = 1'-0" 81 1/2" = 1'-0" 82" = 1'-0" 82 1/2" = 1'-0" 83" = 1'-0" 83 1/2" = 1'-0" 84" = 1'-0" 84 1/2" = 1'-0" 85" = 1'-0" 85 1/2" = 1'-0" 86" = 1'-0" 86 1/2" = 1'-0" 87" = 1'-0" 87 1/2" = 1'-0" 88" = 1'-0" 88 1/2" = 1'-0" 89" = 1'-0" 89 1/2" = 1'-0" 90" = 1'-0" 90 1/2" = 1'-0" 91" = 1'-0" 91 1/2" = 1'-0" 92" = 1'-0" 92 1/2" = 1'-0" 93" = 1'-0" 93 1/2" = 1'-0" 94" = 1'-0" 94 1/2" = 1'-0" 95" = 1'-0" 95 1/2" = 1'-0" 96" = 1'-0" 96 1/2" = 1'-0" 97" = 1'-0" 97 1/2" = 1'-0" 98" = 1'-0" 98 1/2" = 1'-0" 99" = 1'-0" 99 1/2" = 1'-0" 100" = 1'-0" 100 1/2" = 1'-0" 101" = 1'-0" 101 1/2" = 1'-0" 102" = 1'-0" 102 1/2" = 1'-0" 103" = 1'-0" 103 1/2" = 1'-0" 104" = 1'-0" 104 1/2" = 1'-0" 105" = 1'-0" 105 1/2" = 1'-0" 106" = 1'-0" 106 1/2" = 1'-0" 107" = 1'-0" 107 1/2" = 1'-0" 108" = 1'-0" 108 1/2" = 1'-0" 109" = 1'-0" 109 1/2" = 1'-0" 110" = 1'-0" 110 1/2" = 1'-0" 111" = 1'-0" 111 1/2" = 1'-0" 112" = 1'-0" 112 1/2" = 1'-0" 113" = 1'-0" 113 1/2" = 1'-0" 114" = 1'-0" 114 1/2" = 1'-0" 115" = 1'-0" 115 1/2" = 1'-0" 116" = 1'-0" 116 1/2" = 1'-0" 117" = 1'-0" 117 1/2" = 1'-0" 118" = 1'-0" 118 1/2" = 1'-0" 119" = 1'-0" 119 1/2" = 1'-0" 120" = 1'-0" 120 1/2" = 1'-0" 121" = 1'-0" 121 1/2" = 1'-0" 122" = 1'-0" 122 1/2" = 1'-0" 123" = 1'-0" 123 1/2" = 1'-0" 124" = 1'-0" 124 1/2" = 1'-0" 125" = 1'-0" 125 1/2" = 1'-0" 126" = 1'-0" 126 1/2" = 1'-0" 127" = 1'-0" 127 1/2" = 1'-0" 128" = 1'-0" 128 1/2" = 1'-0" 129" = 1'-0" 129 1/2" = 1'-0" 130" = 1'-0" 130 1/2" = 1'-0" 131" = 1'-0" 131 1/2" = 1'-0" 132" = 1'-0" 132 1/2" = 1'-0" 133" = 1'-0" 133 1/2" = 1'-0" 134" = 1'-0" 134 1/2" = 1'-0" 135" = 1'-0" 135 1/2" = 1'-0" 136" = 1'-0" 136 1/2" = 1'-0" 137" = 1'-0" 137 1/2" = 1'-0" 138" = 1'-0" 138 1/2" = 1'-0" 139" = 1'-0" 139 1/2" = 1'-0" 140" = 1'-0" 140 1/2" = 1'-0" 141" = 1'-0" 141 1/2" = 1'-0" 142" = 1'-0" 142 1/2" = 1'-0" 143" = 1'-0" 143 1/2" = 1'-0" 144" = 1'-0" 144 1/2" = 1'-0" 145" = 1'-0" 145 1/2" = 1'-0" 146" = 1'-0" 146 1/2" = 1'-0" 147" = 1'-0" 147 1/2" = 1'-0" 148" = 1'-0" 148 1/2" = 1'-0" 149" = 1'-0" 149 1/2" = 1'-0" 150" = 1'-0" 150 1/2" = 1'-0" 151" = 1'-0" 151 1/2" = 1'-0" 152" = 1'-0" 152 1/2" = 1'-0" 153" = 1'-0" 153 1/2" = 1'-0" 154" = 1'-0" 154 1/2" = 1'-0" 155" = 1'-0" 155 1/2" = 1'-0" 156" = 1'-0" 156 1/2" = 1'-0" 157" = 1'-0" 157 1/2" = 1'-0" 158" = 1'-0" 158 1/2" = 1'-0" 159" = 1'-0" 159 1/2" = 1'-0" 160" = 1'-0" 160 1/2" = 1'-0" 161" = 1'-0" 161 1/2" = 1'-0" 162" = 1'-0" 162 1/2" = 1'-0" 163" = 1'-0" 163 1/2" = 1'-0" 164" = 1'-0" 164 1/2" = 1'-0" 165" = 1'-0" 165 1/2" = 1'-0" 166" = 1'-0" 166 1/2" = 1'-0" 167" = 1'-0" 167 1/2" = 1'-0" 168" = 1'-0" 168 1/2" = 1'-0" 169" = 1'-0" 169 1/2" = 1'-0" 170" = 1'-0" 170 1/2" = 1'-0" 171" = 1'-0" 171 1/2" = 1'-0" 172" = 1'-0" 172 1/2" = 1'-0" 173" = 1'-0" 173 1/2" = 1'-0" 174" = 1'-0" 174 1/2" = 1'-0" 175" = 1'-0" 175 1/2" = 1'-0" 176" = 1'-0" 176 1/2" = 1'-0" 177" = 1'-0" 177 1/2" = 1'-0" 178" = 1'-0" 178 1/2" = 1'-0" 179" = 1'-0" 179 1/2" = 1'-0" 180" = 1'-0" 180 1/2" = 1'-0" 181" = 1'-0" 181 1/2" = 1'-0" 182" = 1'-0" 182 1/2" = 1'-0" 183" = 1'-0" 183 1/2" = 1'-0" 184" = 1'-0" 184 1/2" = 1'-0" 185" = 1'-0" 185 1/2" = 1'-0" 186" = 1'-0" 186 1/2" = 1'-0" 187" = 1'-0" 187 1/2" = 1'-0" 188" = 1'-0" 188 1/2" = 1'-0" 189" = 1'-0" 189 1/2" = 1'-0" 190" = 1'-0" 190 1/2" = 1'-0" 191" = 1'-0" 191 1/2" = 1'-0" 192" = 1'-0" 192 1/2" = 1'-0" 193" = 1'-0" 193 1/2" = 1'-0" 194" = 1'-0" 194 1/2" = 1'-0" 195" = 1'-0" 195 1/2" = 1'-0" 196" = 1'-0" 196 1/2" = 1'-0" 197" = 1'-0" 197 1/2" = 1'-0" 198" = 1'-0" 198 1/2" = 1'-0" 199" = 1'-0" 199 1/2" = 1'-0" 200" = 1'-0" 200 1/2" = 1'-0" 201" = 1'-0" 201 1/2" = 1'-0" 202" = 1'-0" 202 1/2" = 1'-0" 203" = 1'-0" 203 1/2" = 1'-0" 204" = 1'-0" 204 1/2" = 1'-0" 205" = 1'-0" 205 1/2" = 1'-0" 206" = 1'-0" 206 1/2" = 1'-0" 207" = 1'-0" 207 1/2" = 1'-0" 208" = 1'-0" 208 1/2" = 1'-0" 209" = 1'-0" 209 1/2" = 1'-0" 210" = 1'-0" 210 1/2" = 1'-0" 211" = 1'-0" 211 1/2" = 1'-0" 212" = 1'-0" 212 1/2" = 1'-0" 213" = 1'-0" 213 1/2" = 1'-0" 214" = 1'-0" 214 1/2" = 1'-0" 215" = 1'-0" 215 1/2" = 1'-0" 216" = 1'-0" 216 1/2" = 1'-0" 217" = 1'-0" 217 1/2" = 1'-0" 218" = 1'-0" 218 1/2" = 1'-0" 219" = 1'-0" 219 1/2" = 1'-0" 220" = 1'-0" 220 1/2" = 1'-0" 221" = 1'-0" 221 1/2" = 1'-0" 222" = 1'-0" 222 1/2" = 1'-0" 223" = 1'-0" 223 1/2" = 1'-0" 224" = 1'-0" 224 1/2" = 1'-0" 225" = 1'-0" 225 1/2" = 1'-0" 226" = 1'-0" 226 1/2" = 1'-0" 227" = 1'-0" 227 1/2" = 1'-0" 228" = 1'-0" 228 1/2" = 1'-0" 229" = 1'-0" 229 1/2" = 1'-0" 230" = 1'-0" 230 1/2" = 1'-0" 231" = 1'-0" 231 1/2" = 1'-0" 232" = 1'-0" 232 1/2" = 1'-0" 233" = 1'-0" 233 1/2" = 1'-0" 234" = 1'-0" 234 1/2" = 1'-0" 235" = 1'-0" 235 1/2" = 1'-0" 236" = 1'-0" 236 1/2" = 1'-0" 237" = 1'-0" 237 1/2" = 1'-0" 238" = 1'-0" 238 1/2" = 1'-0" 239" = 1'-0" 239 1/2" = 1'-0" 240" = 1'-0" 240 1/2" = 1'-0" 241" = 1'-0" 241 1/2" = 1'-0" 242" = 1'-0" 242 1/2" = 1'-0" 243" = 1'-0" 243 1/2" = 1'-0" 244" = 1'-0" 244 1/2" = 1'-0" 245" = 1'-0" 245 1/2" = 1'-0" 246" = 1'-0" 246 1/2" = 1'-0" 247" = 1'-0" 247 1/2" = 1'-0" 248" = 1'-0" 248 1/2" = 1'-0" 249" = 1'-0" 249 1/2" = 1'-0" 250" = 1'-0" 250 1/2" = 1'-0" 251" = 1'-0" 251 1/2" = 1'-0" 252" = 1'-0" 252 1/2" = 1'-0" 253" = 1'-0" 253 1/2" = 1'-0" 254" = 1'-0" 254 1/2" = 1'-0" 255" = 1'-0" 255 1/2" = 1'-0" 256" = 1'-0" 256 1/2" = 1'-0" 257" = 1'-0" 257 1/2" = 1'-0" 258" = 1'-0" 258 1/2" = 1'-0" 259" = 1'-0" 259 1/2" = 1'-0" 260" = 1'-0" 260 1/2" = 1'-0" 261" = 1'-0" 261 1/2" = 1'-0" 262" = 1'-0" 262 1/2" = 1'-0" 263" = 1'-0" 263 1/2" = 1'-0" 264" = 1'-0" 264 1/2" = 1'-0" 265" = 1'-0" 265 1/2" = 1'-0" 266" = 1'-0" 266 1/2" = 1'-0" 267" = 1'-0" 267 1/2" = 1'-0" 268" = 1'-0" 268 1/2" = 1'-0" 269" = 1'-0" 269 1/2" = 1'-0" 270" = 1'-0" 270 1/2" = 1'-0" 271" = 1'-0" 271 1/2" = 1'-0" 272" = 1'-0" 272 1/2" = 1'-0" 273" = 1'-0" 273 1/2" = 1'-0" 274" = 1'-0" 274 1/2" = 1'-0" 275" = 1'-0" 275 1/2" = 1'-0" 276" = 1'-0" 276 1/2" = 1'-0" 277" = 1'-0" 277 1/2" = 1'-0" 278" = 1'-0" 278 1/2" = 1'-0" 279" = 1'-0" 279 1/2" = 1'-0" 280" = 1'-0" 280 1/2" = 1'-0" 281" = 1'-0" 281 1/2" = 1'-0" 282" = 1'-0" 282 1/2" = 1'-0" 283" = 1'-0" 283 1/2" = 1'-0" 284" = 1'-0" 284 1/2" = 1'-0" 285" = 1'-0" 285 1/2" = 1'-0" 286" = 1'-0" 286 1/2" = 1'-0" 287" = 1'-0" 287 1/2" = 1'-0" 288" = 1'-0" 288 1/2" = 1'-0" 289" = 1'-0" 289 1/2" = 1'-0" 290" = 1'-0" 290 1/2" = 1'-0" 291" = 1'-0" 291 1/2" = 1'-0" 292" = 1'-0" 292 1/2" = 1'-0" 293" = 1'-0" 293 1/2" = 1'-0" 294" = 1'-0" 294 1/2" = 1'-0" 295" = 1'-0" 295 1/2" = 1'-0" 296" = 1'-0" 296 1/2" = 1'-0" 297" = 1'-0" 297 1/2" = 1'-0" 298" = 1'-0" 298 1/2" = 1'-0" 299" = 1'-0" 299 1/2" = 1'-0" 300" = 1'-0" 300 1/2" = 1'-0" 301" = 1'-0" 301 1/2" = 1'-0" 302" = 1'-0" 302 1/2" = 1'-0" 303" = 1'-0" 303 1/2" = 1'-0" 304" = 1'-0" 304 1/2" = 1'-0" 305" = 1'-0" 305 1/2" = 1'-0" 306" = 1'-0" 306 1/2" = 1'-0" 307" = 1'-0" 307 1/2" = 1'-0" 308" = 1'-0" 308 1/2" = 1'-0" 309" = 1'-0" 309 1/2" = 1'-0" 310" = 1'-0" 310 1/2" = 1'-0" 311" = 1'-0" 311 1/2" = 1'-0" 312" = 1'-0" 312 1/2" = 1'-0" 313" = 1'-0" 313 1/2" = 1'-0" 314" = 1'-0" 314 1/2" = 1'-0" 315" = 1'-0" 315 1/2" = 1'-0" 316" = 1'-0" 316 1/2" = 1'-0" 317" = 1'-0" 317 1/2" = 1'-0" 318" = 1'-0
--	--	--	--	---



GENERAL NOTES

1. ALL CONCEALED PIPE TO BE CPVC ELASTOMER UNO
2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1 IN - 2 IN AND SCH 10 FOR 2 1/2 IN AND LARGER
3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (+1) BELOW DECK (3'-1 AFF LEVEL (B-30) (3'-5 AFF LEVEL (S-3) UNO
4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE EC HANGERS UNO
5. ALL EXPOSED PIPE TO USE 4C HANGERS UNO
6. ALL SIDEWALL SPRINKLER HEADS TO BE 4 IN TO 6 IN BELOW CEILING FROM DEFLECTION
7. SEE DRAWINGS FP-35, FP-36, FP-37 OR FP-38 FOR DETAILED UNITS

HANGER DETAILS



IMPORTANT
 IN ALL PLACES SUBJECT TO THE
 RESPONSIBILITY OF THE ENGINEER
 THE CITY ENGINEER AND THE
 CONTRACTOR SHALL BE RESPONSIBLE
 FOR THE PROPER INSTALLATION
 OF THE PIPE AND FITTINGS.
 THE CONTRACTOR SHALL BE RESPONSIBLE
 FOR THE PROPER INSTALLATION
 OF THE PIPE AND FITTINGS.
 THE CONTRACTOR SHALL BE RESPONSIBLE
 FOR THE PROPER INSTALLATION
 OF THE PIPE AND FITTINGS.

CONTRACT RESPONSIBILITIES

ITEM	RESP.
CITY CONNECTION	OWNER
PERMITS	OWNER
ERECTOR	CONTRACTOR
INSPECTION	CONTRACTOR
TESTING	CONTRACTOR
PAINTING	CONTRACTOR

SYMBOLS

CPVC PIPE	CPVC FITTING	CPVC VALVE	CPVC HANGER
STEEL PIPE	STEEL FITTING	STEEL VALVE	STEEL HANGER
DRIP PAN	DRIP PAN	DRIP PAN	DRIP PAN
SPRINKLER HEAD	SPRINKLER HEAD	SPRINKLER HEAD	SPRINKLER HEAD

SPRINKLERS/NOZZLES

MODEL	SYMBOL	SIZE	TEMP.	RESPONSE	FINISH
CENTRAL	QR	UPRGRH 1/2	172	155	QUICK
CENTRAL	QR	UPRGRH 3/4	172	155	QUICK
CENTRAL	LF	PERHENT 1/2	172	155	FAST RESP
CENTRAL	LF	PERHENT 3/4	172	155	FAST RESP
CENTRAL	QR	STOGRAL 1/2	172	155	FAST RESP
CENTRAL	QR	STOGRAL 3/4	172	155	FAST RESP
CENTRAL	QR	PERHENT 1/2	172	155	QUICK
CENTRAL	QR	STOGRAL 1/2	172	155	QUICK
CENTRAL	QR	PERHENT 1/2	172	155	QUICK
CENTRAL	QR	STOGRAL 1/2	172	155	QUICK

ABBREVIATIONS

1/2" CPVC	1/2" CPVC
3/4" CPVC	3/4" CPVC
1" CPVC	1" CPVC
1 1/2" CPVC	1 1/2" CPVC
2" CPVC	2" CPVC
2 1/2" CPVC	2 1/2" CPVC
3" CPVC	3" CPVC
4" CPVC	4" CPVC
5" CPVC	5" CPVC
6" CPVC	6" CPVC
8" CPVC	8" CPVC
10" CPVC	10" CPVC
12" CPVC	12" CPVC
14" CPVC	14" CPVC
16" CPVC	16" CPVC
18" CPVC	18" CPVC
20" CPVC	20" CPVC
24" CPVC	24" CPVC
30" CPVC	30" CPVC
36" CPVC	36" CPVC
42" CPVC	42" CPVC
48" CPVC	48" CPVC
54" CPVC	54" CPVC
60" CPVC	60" CPVC
72" CPVC	72" CPVC
84" CPVC	84" CPVC
96" CPVC	96" CPVC
108" CPVC	108" CPVC
120" CPVC	120" CPVC
144" CPVC	144" CPVC
168" CPVC	168" CPVC
192" CPVC	192" CPVC
216" CPVC	216" CPVC
240" CPVC	240" CPVC
264" CPVC	264" CPVC
288" CPVC	288" CPVC
312" CPVC	312" CPVC
336" CPVC	336" CPVC
360" CPVC	360" CPVC
384" CPVC	384" CPVC
408" CPVC	408" CPVC
432" CPVC	432" CPVC
456" CPVC	456" CPVC
480" CPVC	480" CPVC
504" CPVC	504" CPVC
528" CPVC	528" CPVC
552" CPVC	552" CPVC
576" CPVC	576" CPVC
600" CPVC	600" CPVC
624" CPVC	624" CPVC
648" CPVC	648" CPVC
672" CPVC	672" CPVC
696" CPVC	696" CPVC
720" CPVC	720" CPVC
744" CPVC	744" CPVC
768" CPVC	768" CPVC
792" CPVC	792" CPVC
816" CPVC	816" CPVC
840" CPVC	840" CPVC
864" CPVC	864" CPVC
888" CPVC	888" CPVC
912" CPVC	912" CPVC
936" CPVC	936" CPVC
960" CPVC	960" CPVC
984" CPVC	984" CPVC
1008" CPVC	1008" CPVC
1032" CPVC	1032" CPVC
1056" CPVC	1056" CPVC
1080" CPVC	1080" CPVC
1104" CPVC	1104" CPVC
1128" CPVC	1128" CPVC
1152" CPVC	1152" CPVC
1176" CPVC	1176" CPVC
1200" CPVC	1200" CPVC
1224" CPVC	1224" CPVC
1248" CPVC	1248" CPVC
1272" CPVC	1272" CPVC
1296" CPVC	1296" CPVC
1320" CPVC	1320" CPVC
1344" CPVC	1344" CPVC
1368" CPVC	1368" CPVC
1392" CPVC	1392" CPVC
1416" CPVC	1416" CPVC
1440" CPVC	1440" CPVC
1464" CPVC	1464" CPVC
1488" CPVC	1488" CPVC
1512" CPVC	1512" CPVC
1536" CPVC	1536" CPVC
1560" CPVC	1560" CPVC
1584" CPVC	1584" CPVC
1608" CPVC	1608" CPVC
1632" CPVC	1632" CPVC
1656" CPVC	1656" CPVC
1680" CPVC	1680" CPVC
1704" CPVC	1704" CPVC
1728" CPVC	1728" CPVC
1752" CPVC	1752" CPVC
1776" CPVC	1776" CPVC
1800" CPVC	1800" CPVC
1824" CPVC	1824" CPVC
1848" CPVC	1848" CPVC
1872" CPVC	1872" CPVC
1896" CPVC	1896" CPVC
1920" CPVC	1920" CPVC
1944" CPVC	1944" CPVC
1968" CPVC	1968" CPVC
1992" CPVC	1992" CPVC
2016" CPVC	2016" CPVC
2040" CPVC	2040" CPVC
2064" CPVC	2064" CPVC
2088" CPVC	2088" CPVC
2112" CPVC	2112" CPVC
2136" CPVC	2136" CPVC
2160" CPVC	2160" CPVC
2184" CPVC	2184" CPVC
2208" CPVC	2208" CPVC
2232" CPVC	2232" CPVC
2256" CPVC	2256" CPVC
2280" CPVC	2280" CPVC
2304" CPVC	2304" CPVC
2328" CPVC	2328" CPVC
2352" CPVC	2352" CPVC
2376" CPVC	2376" CPVC
2400" CPVC	2400" CPVC
2424" CPVC	2424" CPVC
2448" CPVC	2448" CPVC
2472" CPVC	2472" CPVC
2496" CPVC	2496" CPVC
2520" CPVC	2520" CPVC
2544" CPVC	2544" CPVC
2568" CPVC	2568" CPVC
2592" CPVC	2592" CPVC
2616" CPVC	2616" CPVC
2640" CPVC	2640" CPVC
2664" CPVC	2664" CPVC
2688" CPVC	2688" CPVC
2712" CPVC	2712" CPVC
2736" CPVC	2736" CPVC
2760" CPVC	2760" CPVC
2784" CPVC	2784" CPVC
2808" CPVC	2808" CPVC
2832" CPVC	2832" CPVC
2856" CPVC	2856" CPVC
2880" CPVC	2880" CPVC
2904" CPVC	2904" CPVC
2928" CPVC	2928" CPVC
2952" CPVC	2952" CPVC
2976" CPVC	2976" CPVC
3000" CPVC	3000" CPVC

REVISIONS

NO.	DATE	DESCRIPTION
1	SEP 1 2000	ISSUED FOR PERMIT

SYSTEM INFO

THE GRAND FLAMINGO
 1800 BAY ROAD
 MIAMI BEACH, FLORIDA

APPROVALS

OWNER: _____ DATE: _____
 ARCHITECT: _____ DATE: _____
 GENERAL CONT: _____ DATE: _____

KEY PLAN

SPRINKLER PIPE CLEARANCE

CPVC SUPPORT SPACING

PIPE SIZE	MAXIMUM SPACING
1/2"	5'-0"
3/4"	6'-0"
1"	7'-0"
1 1/2"	8'-0"

TYPICAL SIDEWALL DETAIL

PLAN VIEW / MID-RISE / LEVEL 17

SCALE: 1" = 1'-0"
 LEVEL 17 - FLOOR ELEV. 121.1

ELEVATION DESIGNATION LEGEND

CL PIPE TO DECK ABOVE +29
 FF TO CL PIPE +3.0
 ELEV. OF PIPE ABOVE EL. 0-0

NOTES

-ALL STEEL PIPE LENGTHS ARE CUT LENGTHS
 -ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER LENGTHS

THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILINGS AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

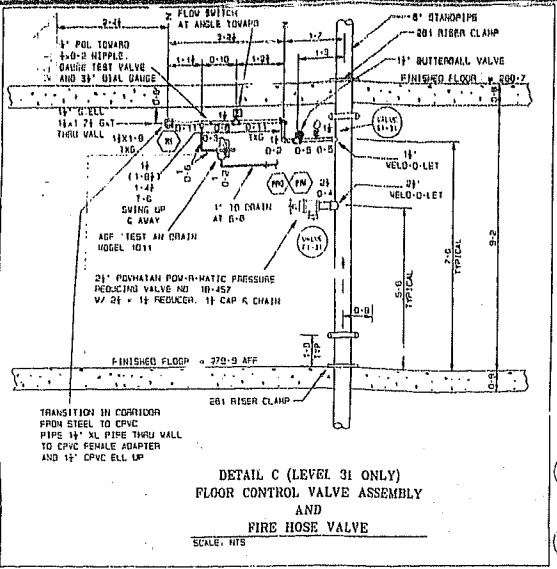
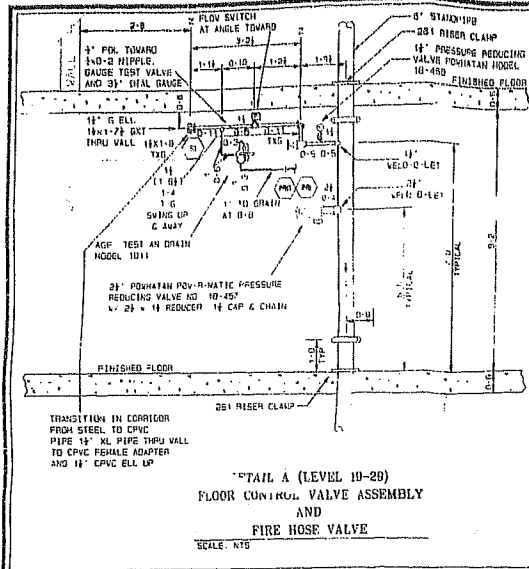
OWNER: _____ DATE: _____
 ARCHITECT: _____ DATE: _____
 GENERAL CONT: _____ DATE: _____

STEVEN FELLER, P.E. INC.
 CONSULTING ENGINEERS
 2701 AL OAKLAND PARK BLVD., SUITE 310
 OAKLAND PARK, FL 33311 561-739-7400

Grinnell Fire Protection
 Fire & Security
 LEGAL OFFICE: 2700 WEST BERRY STREET, MIAMI, FL 33135, (305) 872-8220

SEP 1 2000

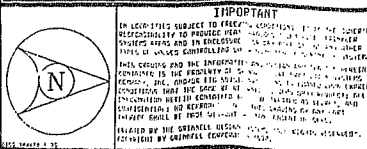
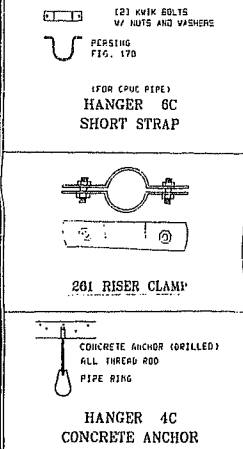
DRILLING
 7-29-00
 FP-32



GENERAL NOTES

1. ALL CONCEALED PIPE TO BE CPVC BLAZEMASTER UNO
2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1/2 IN. AND SCH 10 FOR 3/4 IN. AND LARGER
3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (1) BELOW DECK (2) AFF LEVEL (19-20) (3) AFF LEVEL 31 UNO
4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE EC HANGERS UNO
5. ALL EXPOSED PIPE TO USE EC HANGERS UNO
6. ALL SIDEWALL SPRINKLER HEADS TO BE 4 IN. TO 8 IN. BELOW CEILING FROM CONDUCTOR
7. SEE DRAWINGS FP-35 FP-36 FP-37 OR FP-76 FOR DETAILED UNITS

HANGER DETAILS



CONTRACT RESPONSIBILITIES

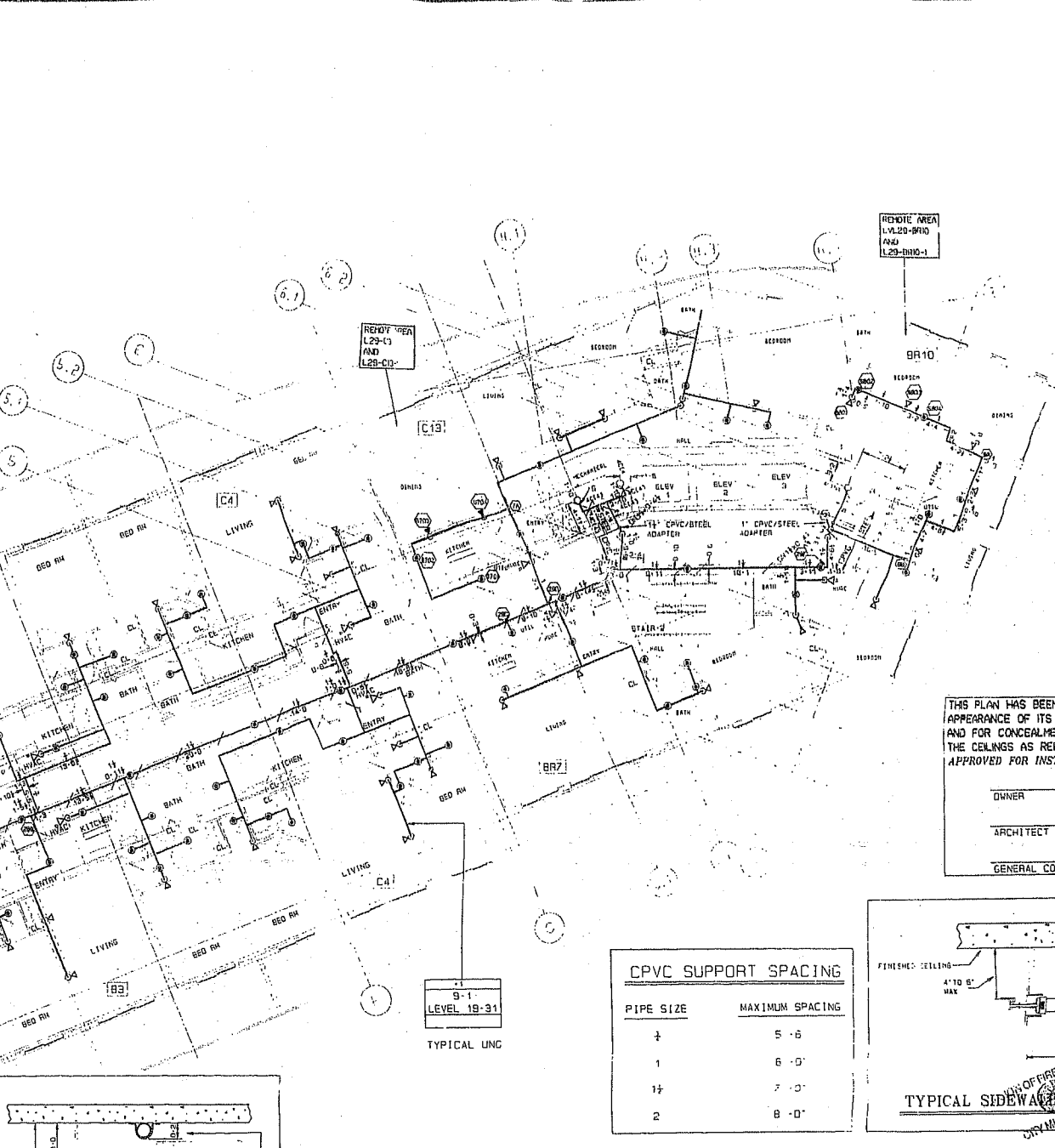
SYMBOL	RESPONSIBILITY
1	OWNER
2	DESIGNER
3	INSTALLER
4	INSPECTOR
5	MAINTENANCE

SYMBOLS

SYMBOL	DESCRIPTION
1	201 RISER CLAMP
2	CONCRETE ANCHOR
3	HANGER 6C
4	HANGER 4C
5	SPRINKLER HEAD
6	CONDUCTOR
7	VALVE
8	FLOW SWITCH
9	TEST POINT
10	TEST POINT
11	TEST POINT
12	TEST POINT
13	TEST POINT
14	TEST POINT
15	TEST POINT
16	TEST POINT
17	TEST POINT
18	TEST POINT
19	TEST POINT
20	TEST POINT
21	TEST POINT
22	TEST POINT
23	TEST POINT
24	TEST POINT
25	TEST POINT
26	TEST POINT
27	TEST POINT
28	TEST POINT
29	TEST POINT
30	TEST POINT
31	TEST POINT
32	TEST POINT
33	TEST POINT
34	TEST POINT
35	TEST POINT
36	TEST POINT
37	TEST POINT
38	TEST POINT
39	TEST POINT
40	TEST POINT
41	TEST POINT
42	TEST POINT
43	TEST POINT
44	TEST POINT
45	TEST POINT
46	TEST POINT
47	TEST POINT
48	TEST POINT
49	TEST POINT
50	TEST POINT

SPRINKLERS/NOZZLES

SYMBOL	DESCRIPTION	NOTES
1	QUICK RESPONSE	RESIDENTIAL
2	STANDARD	RESIDENTIAL
3	FAST RESPONSE	RESIDENTIAL
4	STANDARD	RESIDENTIAL
5	QUICK RESPONSE	RESIDENTIAL
6	STANDARD	RESIDENTIAL
7	QUICK RESPONSE	RESIDENTIAL
8	STANDARD	RESIDENTIAL
9	QUICK RESPONSE	RESIDENTIAL
10	STANDARD	RESIDENTIAL
11	QUICK RESPONSE	RESIDENTIAL
12	STANDARD	RESIDENTIAL
13	QUICK RESPONSE	RESIDENTIAL
14	STANDARD	RESIDENTIAL
15	QUICK RESPONSE	RESIDENTIAL
16	STANDARD	RESIDENTIAL
17	QUICK RESPONSE	RESIDENTIAL
18	STANDARD	RESIDENTIAL
19	QUICK RESPONSE	RESIDENTIAL
20	STANDARD	RESIDENTIAL
21	QUICK RESPONSE	RESIDENTIAL
22	STANDARD	RESIDENTIAL
23	QUICK RESPONSE	RESIDENTIAL
24	STANDARD	RESIDENTIAL
25	QUICK RESPONSE	RESIDENTIAL
26	STANDARD	RESIDENTIAL
27	QUICK RESPONSE	RESIDENTIAL
28	STANDARD	RESIDENTIAL
29	QUICK RESPONSE	RESIDENTIAL
30	STANDARD	RESIDENTIAL
31	QUICK RESPONSE	RESIDENTIAL
32	STANDARD	RESIDENTIAL
33	QUICK RESPONSE	RESIDENTIAL
34	STANDARD	RESIDENTIAL
35	QUICK RESPONSE	RESIDENTIAL
36	STANDARD	RESIDENTIAL
37	QUICK RESPONSE	RESIDENTIAL
38	STANDARD	RESIDENTIAL
39	QUICK RESPONSE	RESIDENTIAL
40	STANDARD	RESIDENTIAL
41	QUICK RESPONSE	RESIDENTIAL
42	STANDARD	RESIDENTIAL
43	QUICK RESPONSE	RESIDENTIAL
44	STANDARD	RESIDENTIAL
45	QUICK RESPONSE	RESIDENTIAL
46	STANDARD	RESIDENTIAL
47	QUICK RESPONSE	RESIDENTIAL
48	STANDARD	RESIDENTIAL
49	QUICK RESPONSE	RESIDENTIAL
50	STANDARD	RESIDENTIAL

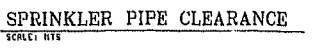


PLAN VIEW / MID-RISE / ODD FLOORS 19 THRU 31

ELEVATION DESIGNATION LEGEND

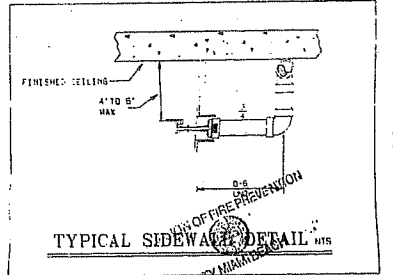
CL PIPE TO DECK ABOVE	FF TO CL PIPE	ELEV. OF PIPE ABOVE EL. 0-0
201	201	201-0
202	202	202-0
203	203	203-0
204	204	204-0
205	205	205-0
206	206	206-0
207	207	207-0
208	208	208-0
209	209	209-0
210	210	210-0
211	211	211-0
212	212	212-0
213	213	213-0
214	214	214-0
215	215	215-0
216	216	216-0
217	217	217-0
218	218	218-0
219	219	219-0
220	220	220-0
221	221	221-0
222	222	222-0
223	223	223-0
224	224	224-0
225	225	225-0
226	226	226-0
227	227	227-0
228	228	228-0
229	229	229-0
230	230	230-0
231	231	231-0
232	232	232-0
233	233	233-0
234	234	234-0
235	235	235-0
236	236	236-0
237	237	237-0
238	238	238-0
239	239	239-0
240	240	240-0
241	241	241-0
242	242	242-0
243	243	243-0
244	244	244-0
245	245	245-0
246	246	246-0
247	247	247-0
248	248	248-0
249	249	249-0
250	250	250-0

ALL STEEL PIPE LENGTHS ARE CUT LENGTHS
ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER LENGTHS



CPVC SUPPORT SPACING

PIPE SIZE	MAXIMUM SPACING
1/2	5'-0"
3/4	6'-0"
1	7'-0"
1 1/4	8'-0"



THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

OWNER	DATE
ARCHITECT	DATE
GENERAL CONT.	DATE

STEVEN FELLER, P.E. INC.
CONSULTING ENGINEERS
2701 W. OAKLAND PARK BLVD., SUITE 310
OAKLAND PARK, FL 32711 854-253-7488

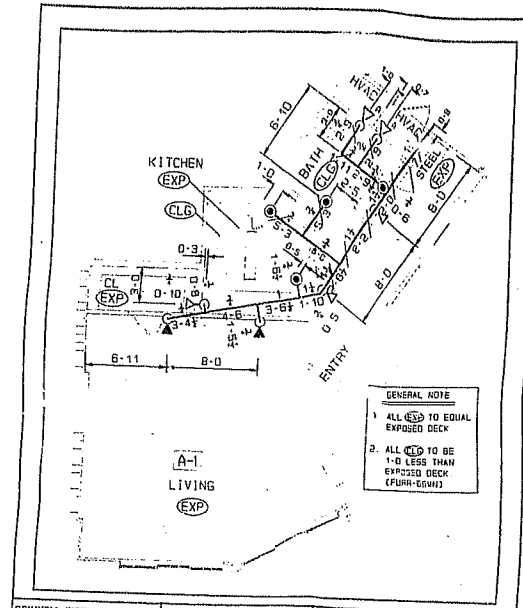
THE GRAND FLAMINGO
1500 BAY ROAD
MIAMI BEACH, FLORIDA

LEVEL 19 THRU 31 (ODD # FLOORS)

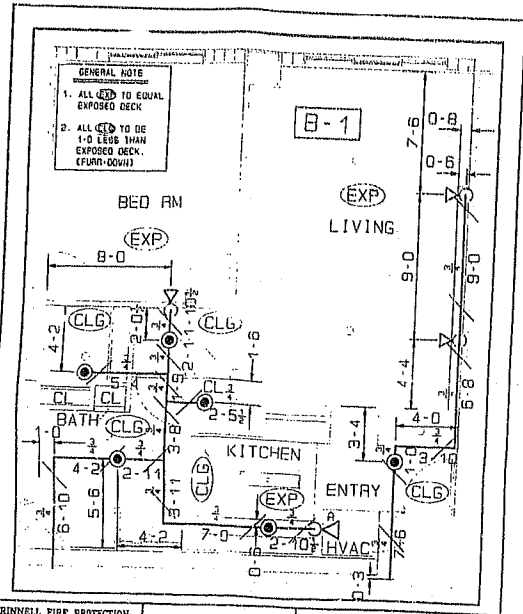
REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

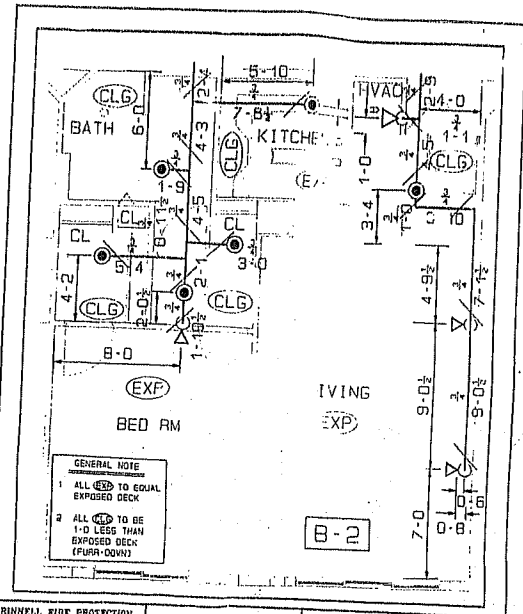
SEP 12 2000



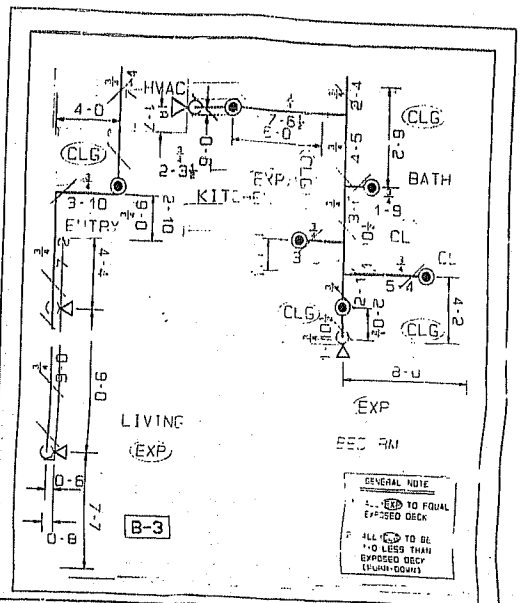
GRINNELL FIRE PROTECTION
 CONTRACT NO. UNIT A-1
 DRAWN BY: ALAN KNOX SCALE: 3/16
 DATE: JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA
 SKETCH NO. 1 OF



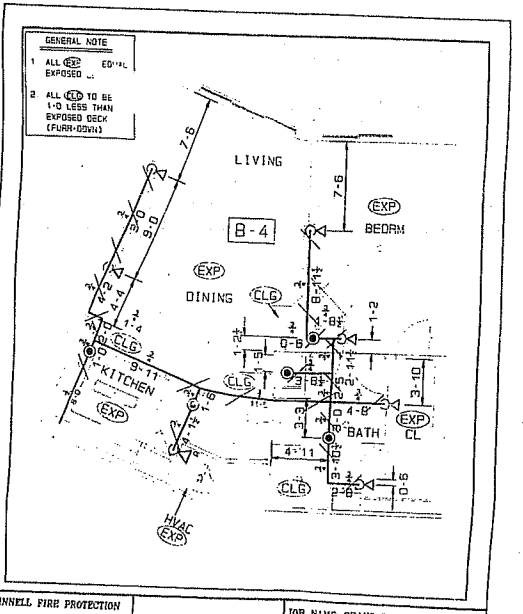
GRINNELL FIRE PROTECTION
 CONTRACT NO. UNIT B-1
 DRAWN BY: ALAN KNOX SCALE: 1/4
 DATE: JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA
 SKETCH NO. 2 OF



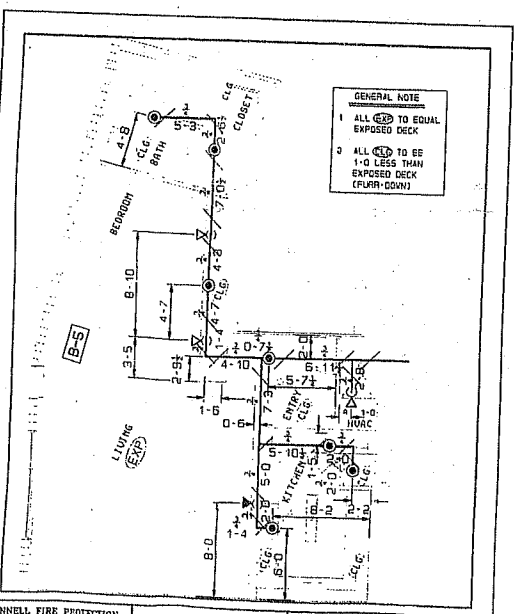
GRINNELL FIRE PROTECTION
 CONTRACT NO. UNIT B-2
 DRAWN BY: ALAN KNOX SCALE: 1/4
 DATE: JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA
 SKETCH NO. 3 OF



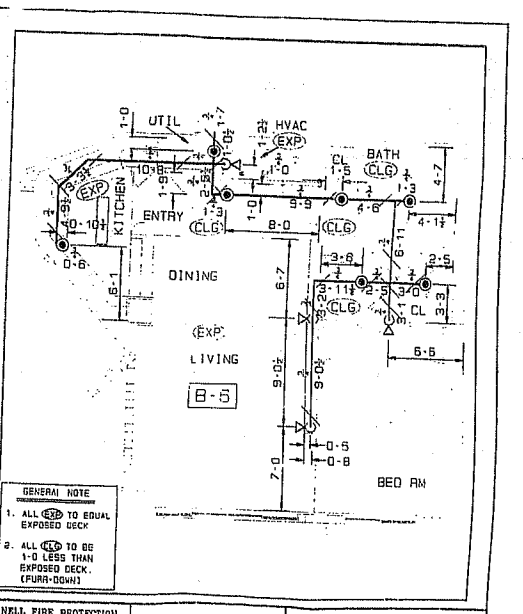
GRINNELL FIRE PROTECTION
 CONTRACT NO. UNIT B-3
 DRAWN BY: ALAN KNOX SCALE: 1/4
 DATE: JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA
 SKETCH NO. 4 OF



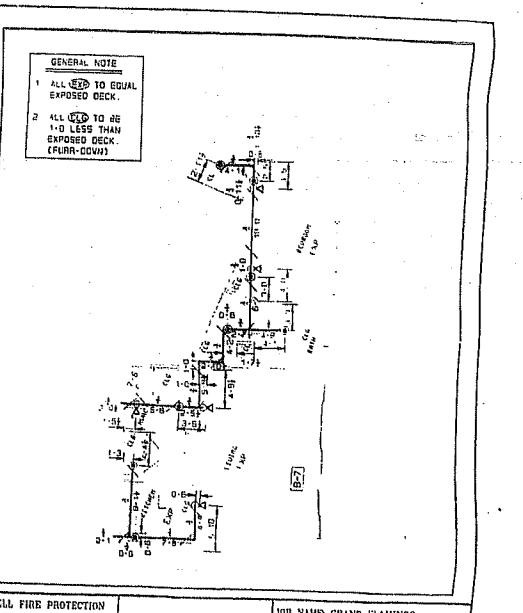
GRINNELL FIRE PROTECTION
 CONTRACT NO. UNIT B-4
 DRAWN BY: ALAN KNOX SCALE: 3/16
 DATE: JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA
 SKETCH NO. 5 OF



GRINNELL FIRE PROTECTION
 CONTRACT NO. UNIT B-5
 DRAWN BY: ALAN KNOX SCALE: 3/16
 DATE: JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA
 SKETCH NO. 6 OF



GRINNELL FIRE PROTECTION
 CONTRACT NO. UNIT B-6
 DRAWN BY: ALAN KNOX SCALE: 3/16
 DATE: JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA
 SKETCH NO. 7 OF



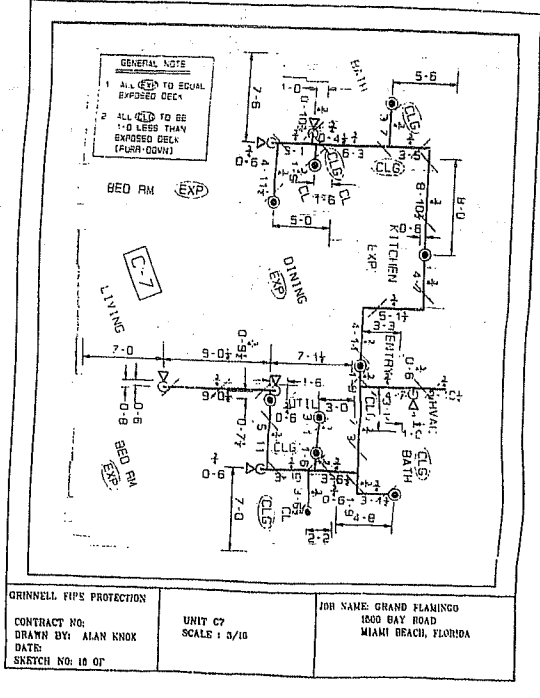
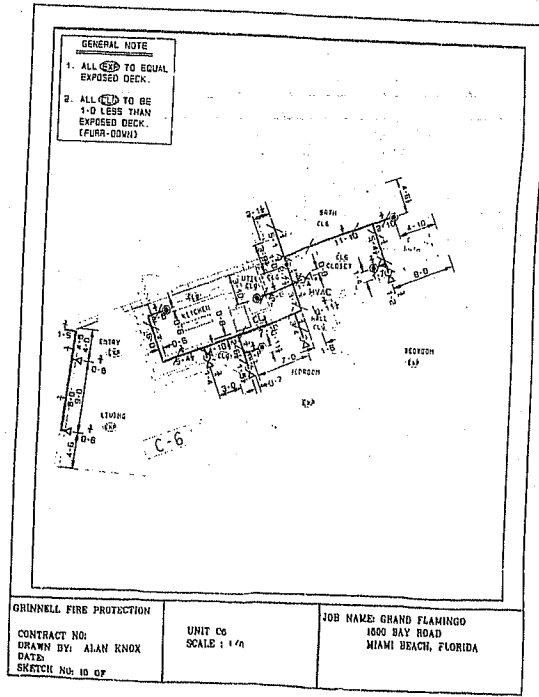
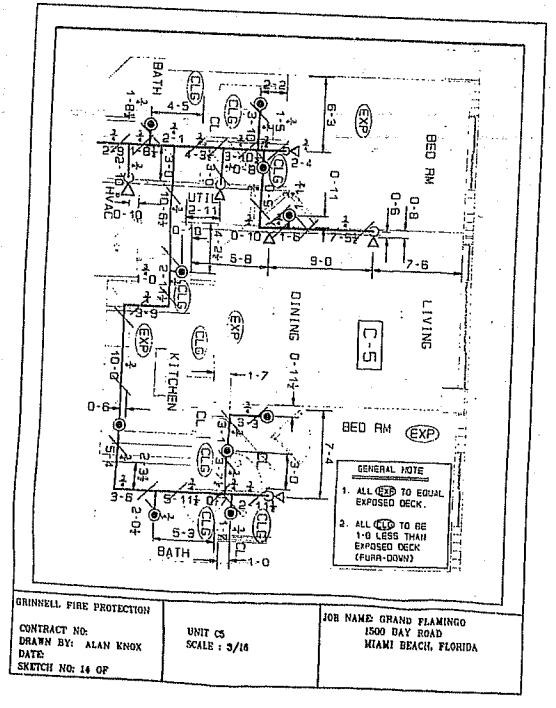
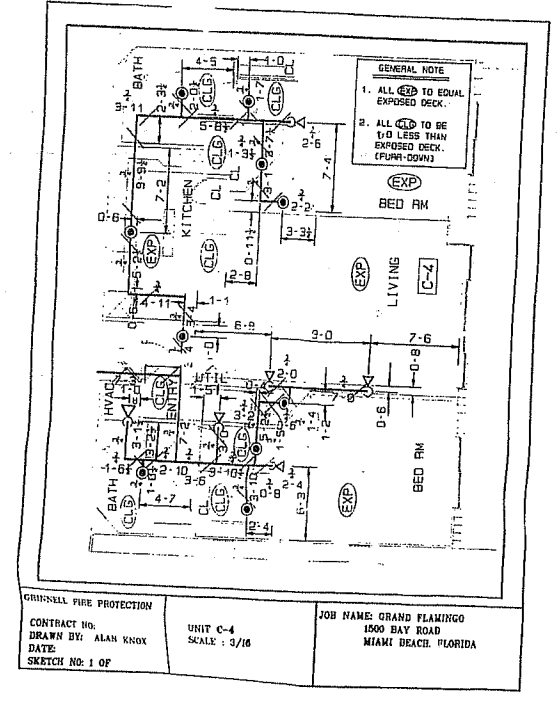
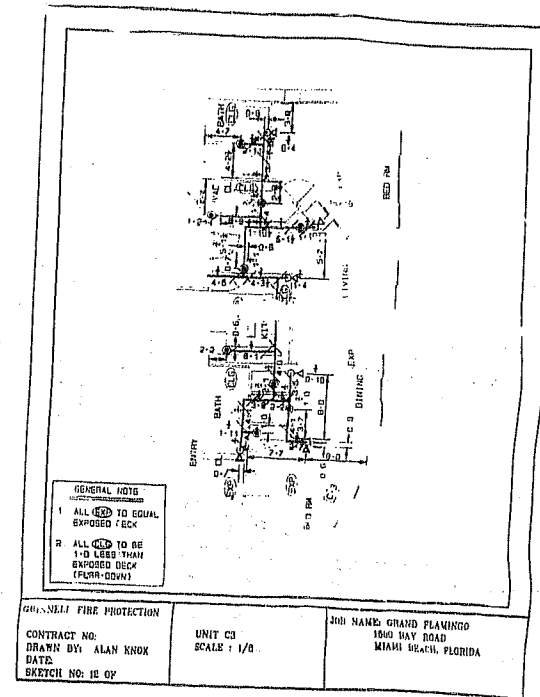
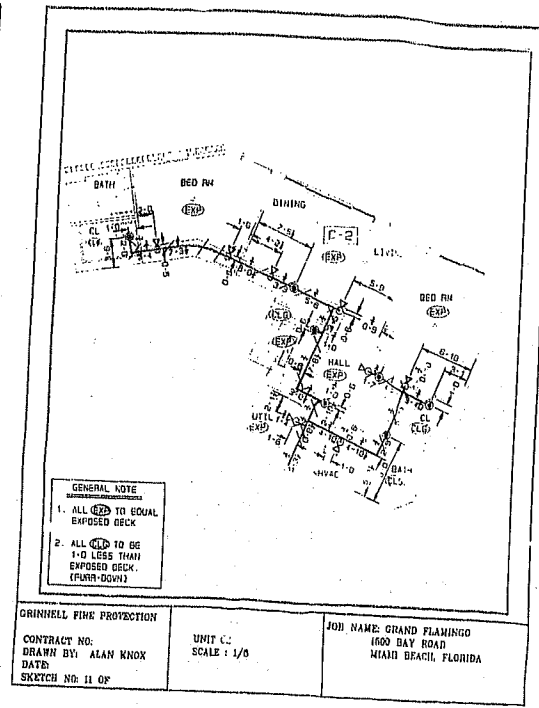
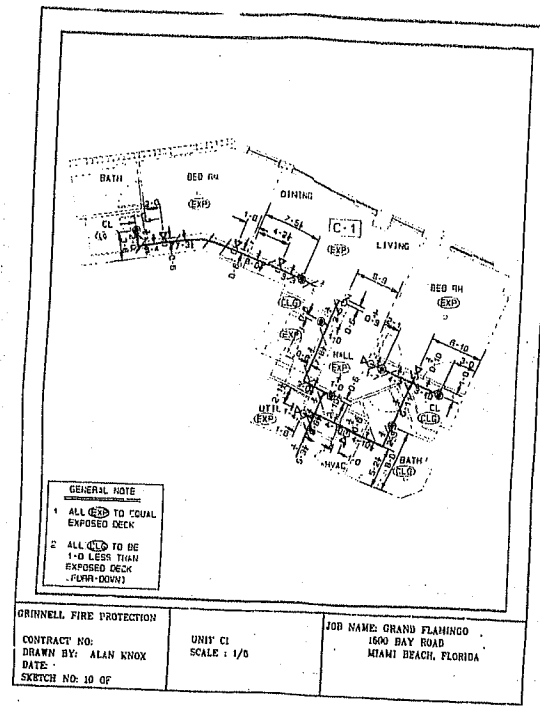
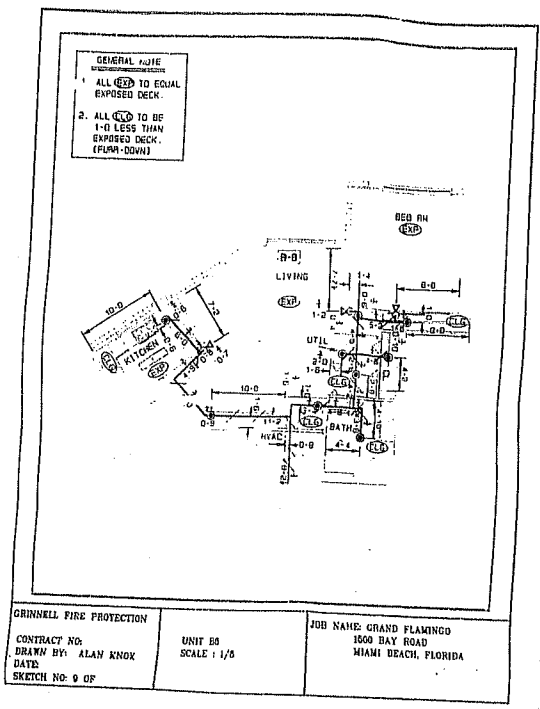
GRINNELL FIRE PROTECTION
 CONTRACT NO. UNIT B-7
 DRAWN BY: ALAN KNOX SCALE: 1/8
 DATE: JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA
 SKETCH NO. 8 OF

IMPORTANT IN ALL CASES THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND THE PUBLIC.	CONTRACT RESPONSIBILITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND THE PUBLIC.	SYMBOLS (List of symbols for fire protection components)	SPRINKLERS/NOZZLES (List of sprinkler and nozzle specifications)	ABBREVIATIONS (List of abbreviations used in the drawings)	SYSTEM INFO THE GRAND FLAMINGO 1500 BAY ROAD MIAMI BEACH, FLORIDA	AS NOTED (List of notes and references)

STEVEN FELLER, P.E. INC.
 CONSULTING ENGINEERS
 2741 W. ORLAND PARK BLVD., SUITE 310
 ORLAND PARK, IL 60161 312-223-2488

Grinnell Fire Protection
 CONSULTING ENGINEERS
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA

REVISIONS
 (Table with columns for revision number, description, and date)

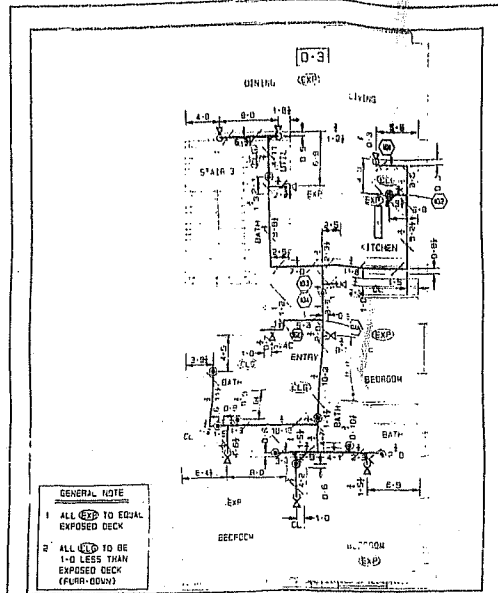


IMPORTANT ALL CONTRACTS SUBJECT TO APPROVAL BY THE CITY OF MIAMI BEACH AND THE COUNTY OF DADE. CONTRACTS MUST BE REGISTERED WITH THE COUNTY CLERK'S OFFICE. CONTRACTS MUST BE REGISTERED WITH THE COUNTY CLERK'S OFFICE. CONTRACTS MUST BE REGISTERED WITH THE COUNTY CLERK'S OFFICE.	CONTRACT RESPONSIBILITIES CITY CONNECTION ELECTRICAL MECHANICAL PLUMBING PAINTING	SYMBOLS (List of symbols for fire protection components)	SPRINKLERS/NOZZLES (List of sprinkler and nozzle specifications)	ABBREVIATIONS (List of abbreviations used in the drawings)	APPROVALS (Approval stamps and signatures)	SYSTEM INFO THE GRAND FLAMINGO 1500 BAY ROAD MIAMI BEACH, FLORIDA	AS NOTED (Additional notes and references)

STEVEN FELLER, P.E., INC.
 CONSULTING ENGINEERS
 2701 N. OAKLAND PARK BLVD., SUITE 318
 OAKLAND PARK, FL 33055 305-281-7400

Grinnell Fire Protection
 Fire & Security
 LOCAL OFFICE: 2700 WEST BIRCH STREET, MIAMI, FL 33135 305-887-8128

SEP 12 2000

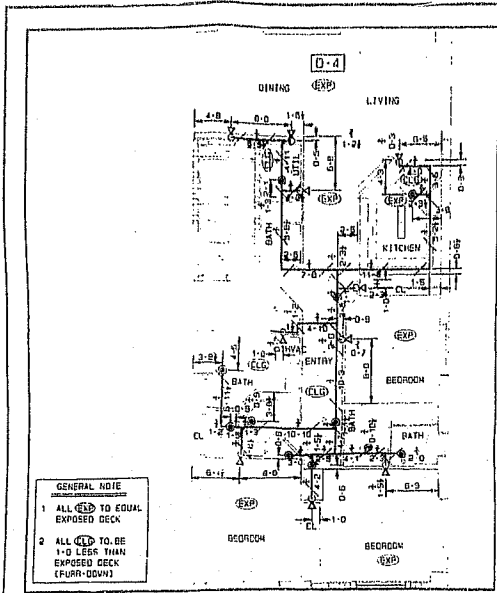


GENERAL NOTE
 1. ALL (EXP) TO EQUAL EXPOSED DECK
 2. ALL (EXP) TO BE 1'-0" LESS THAN EXPOSED DECK (FLUR-DOWN)

GRINNELL FIRE PROTECTION
 CONTRACT NO:
 DRAWN BY: ALAN KNOX
 DATE:
 SKETCH NO. 25 OF

UNIT D3
 SCALE: 1/8"

JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA

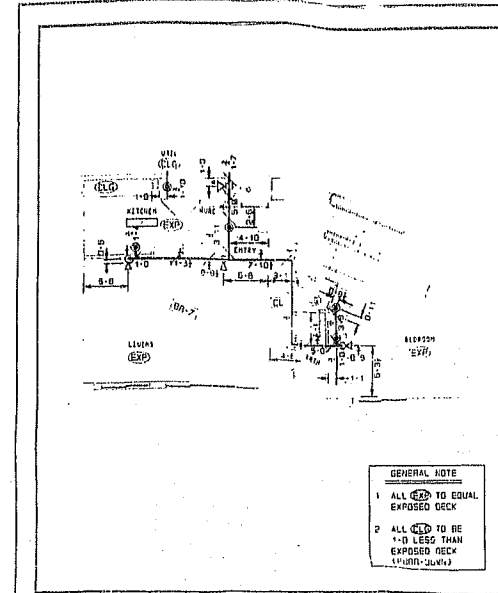


GENERAL NOTE
 1. ALL (EXP) TO EQUAL EXPOSED DECK
 2. ALL (EXP) TO BE 1'-0" LESS THAN EXPOSED DECK (FLUR-DOWN)

GRINNELL FIRE PROTECTION
 CONTRACT NO:
 DRAWN BY: ALAN KNOX
 DATE:
 SKETCH NO. 26 OF

UNIT D4
 SCALE: 1/8"

JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA

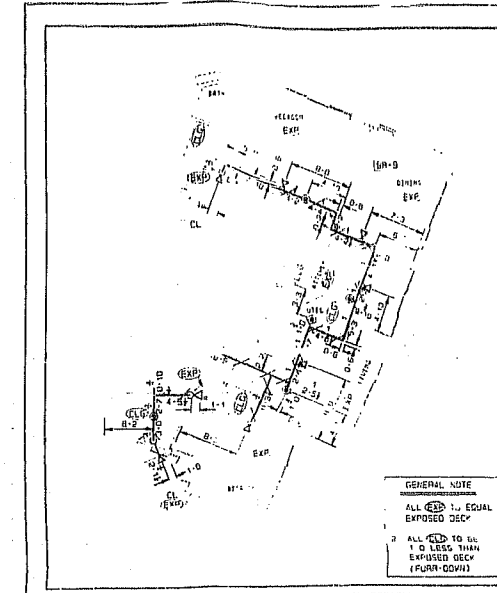


GENERAL NOTE
 1. ALL (EXP) TO EQUAL EXPOSED DECK
 2. ALL (EXP) TO BE 1'-0" LESS THAN EXPOSED DECK (FLUR-DOWN)

GRINNELL FIRE PROTECTION
 CONTRACT NO:
 DRAWN BY: ALAN KNOX
 DATE:
 SKETCH NO. 27 OF

UNIT D7
 SCALE: 1/8"

JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA

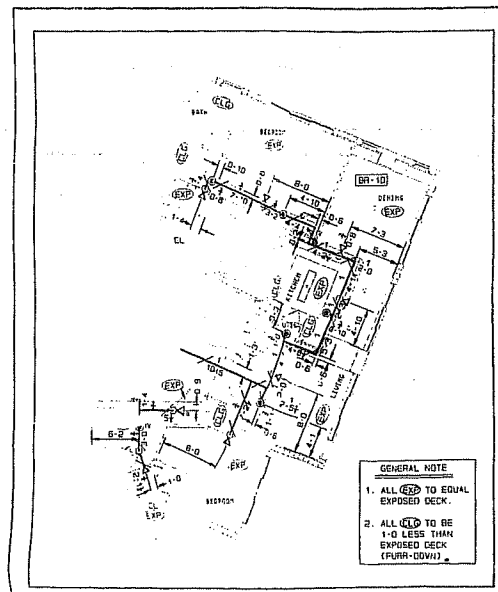


GENERAL NOTE
 1. ALL (EXP) TO EQUAL EXPOSED DECK
 2. ALL (EXP) TO BE 1'-0" LESS THAN EXPOSED DECK (FLUR-DOWN)

GRINNELL FIRE PROTECTION
 CONTRACT NO:
 DRAWN BY: ALAN KNOX
 DATE:
 SKETCH NO. 28 OF

UNIT D10
 SCALE: 1/8"

JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA



GENERAL NOTE
 1. ALL (EXP) TO EQUAL EXPOSED DECK
 2. ALL (EXP) TO BE 1'-0" LESS THAN EXPOSED DECK (FLUR-DOWN)

GRINNELL FIRE PROTECTION
 CONTRACT NO:
 DRAWN BY: ALAN KNOX
 DATE:
 SKETCH NO. 29 OF

UNIT D10
 SCALE: 1/8"

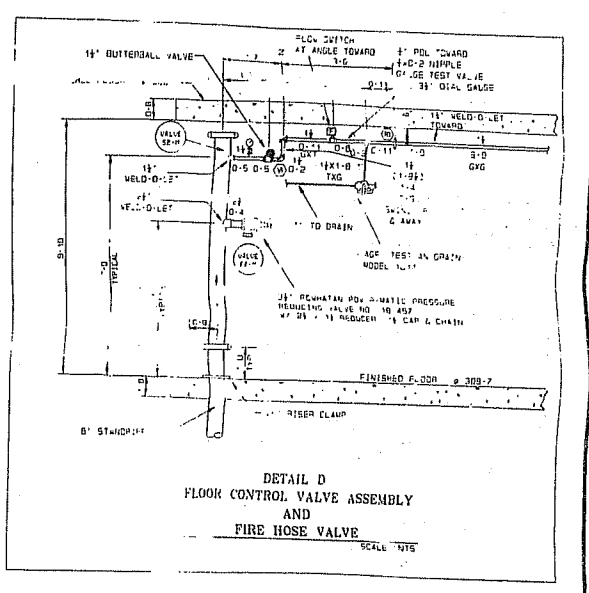
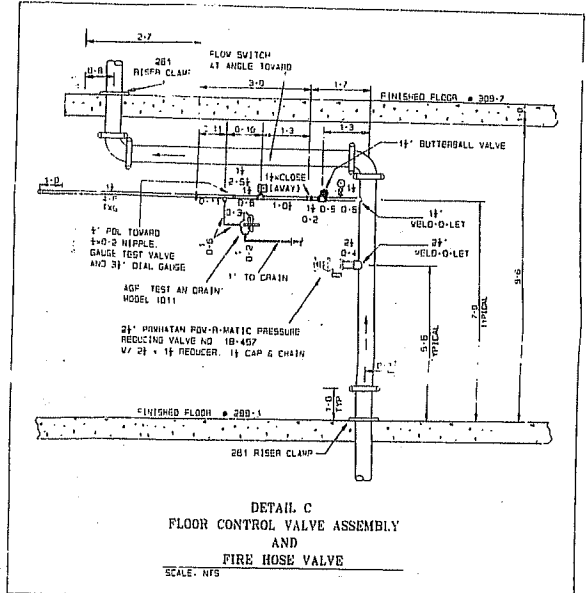
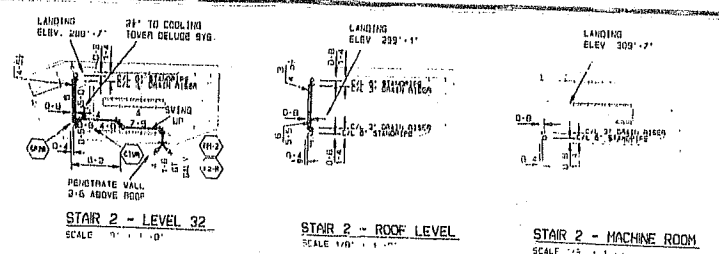
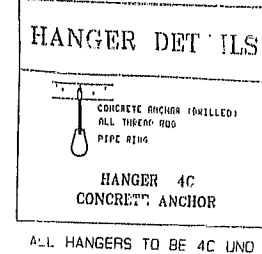
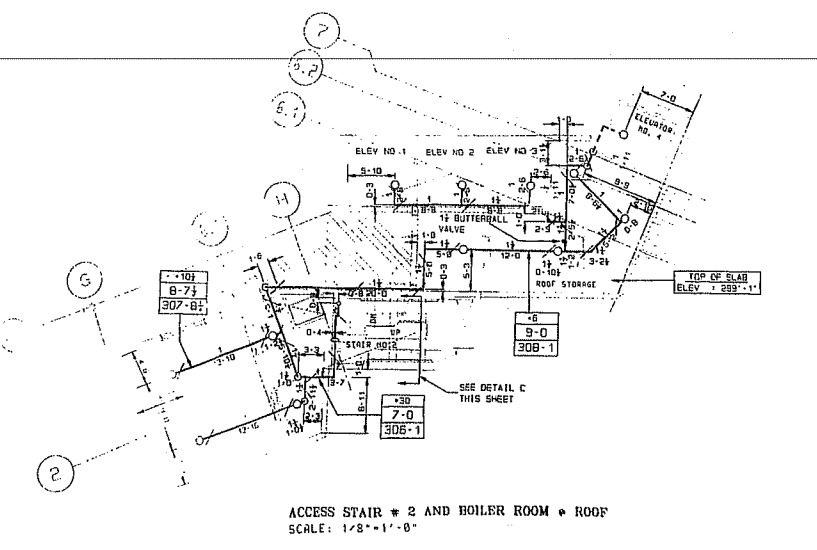
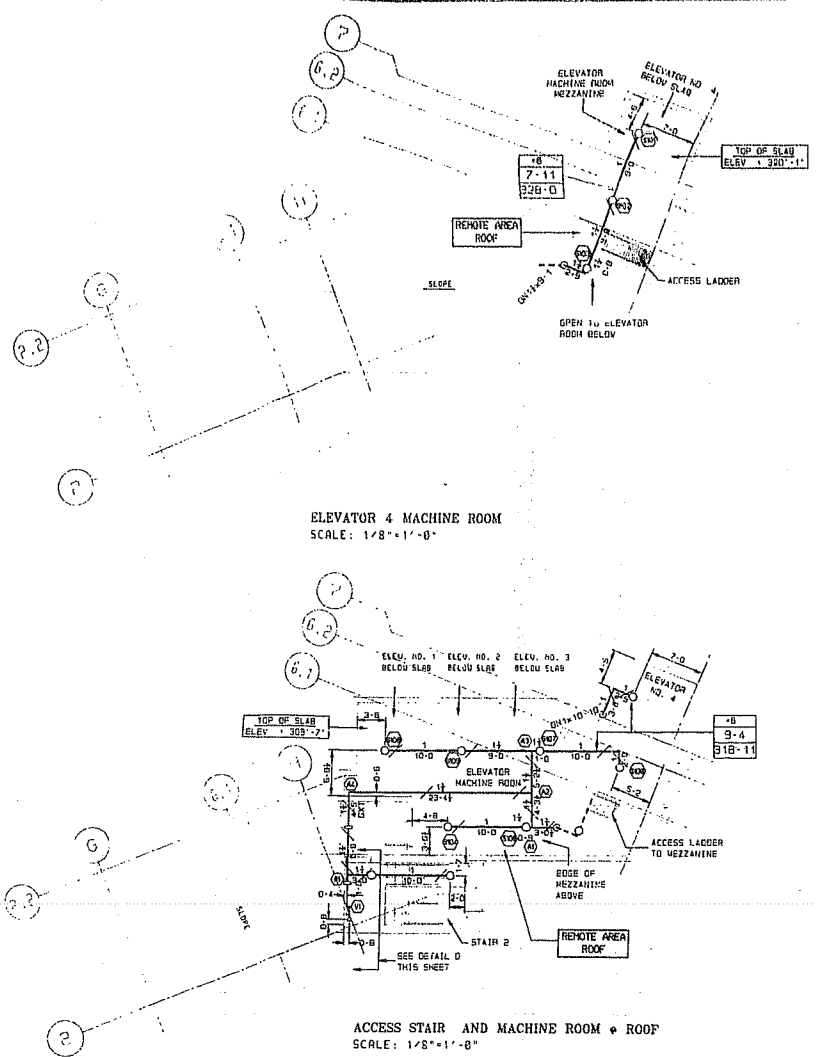
JOB NAME: GRAND FLAMINGO
 1500 BAY ROAD
 MIAMI BEACH, FLORIDA

IMPORT ALL MATERIALS SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF MIAMI BEACH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF MIAMI BEACH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF MIAMI BEACH.		CONTRACT RESPONSIBILITIES CITY CONSTRUCTION: GRINNELL FIRE PROTECTION ELECTRICAL: GRINNELL FIRE PROTECTION MECHANICAL: GRINNELL FIRE PROTECTION PLUMBING: GRINNELL FIRE PROTECTION		SYMBOLS (List of symbols for fire protection components)		SPRINKLERS/NOZZLES (List of sprinkler and nozzle specifications)		ABBREVIATIONS (List of abbreviations used in the drawings)		APPROVALS (Approval stamps and signatures)		SYSTEM INFO THE GRAND FLAMINGO 1500 BAY ROAD MIAMI BEACH, FLORIDA		AS NOTED (Additional notes and references)	
---	--	---	--	--	--	--	--	--	--	--	--	---	--	--	--

STEVEN FELLER P.E. INC.
 CONSULTING ENGINEERS
 2781 W. ORLAND PARK BLVD., SUITE 310
 ORLAND PARK, IL 60467-2300

tyco
 Fire & Security
 Grinnell Fire Protection
 EXECUTIVE OFFICE: HOUSTON, TEXAS, USA
 LOCAL OFFICE: 2708 WEST WIND STREET, MIAMI, FL 33166 (305) 852-4228

SEP 12 2000



THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

OWNER _____ DATE _____

ARCHITECT _____ DATE _____

GENERAL CONTRACTOR _____ DATE _____

ELEVATION DESIGNATION LEGEND

CL PIPE TO DECK ABOVE → 29

FF TO CL PIPE → 9-3

ELEV. OF PIPE ABOVE EL. 0-0 → 11-0

ALL STEEL PIPE LENGTHS ARE CENTER TO CENTER LENGTHS

KEY PLAN

STEVEN FELLER, P.E. INC.
CONSULTING ENGINEERS
2701 W. OAKLAND PARK BLVD., SUITE 310
OAKLAND PARK, FL 33311 954-739-7400

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMITS	7/1/00	SM	SM
2	REVISIONS			

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMITS	7/1/00	SM	SM
2	REVISIONS			

NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS AND CODES.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

3. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE AUTHORITY HAVING JURISDICTION.

CONTRACT RESPONSIBILITIES:

OWNER: PROVIDE PERMITS AND APPROVALS.

ARCHITECT: PROVIDE DESIGN AND SPECIFICATIONS.

ENGINEER: PROVIDE ENGINEERING DESIGN AND CALCULATIONS.

GENERAL CONTRACTOR: EXECUTE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

SYMBOLS:

SPRINKLER: (Symbol)

NOZZLE: (Symbol)

VALVE: (Symbol)

PIPE: (Symbol)

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMITS	7/1/00	SM	SM
2	REVISIONS			

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMITS	7/1/00	SM	SM
2	REVISIONS			

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMITS	7/1/00	SM	SM
2	REVISIONS			

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMITS	7/1/00	SM	SM
2	REVISIONS			

THE GRAND FLAMINGO
1500 BAY BLVD
MIAMI BEACH, FLORIDA

DATE: JULY 31, 2000

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

NEXT



LASON
The Information Management Company

6024 NW 12 STREET, MIAMI, FLORIDA 33142
305-477-9149 • 800-387-4799 • FAX 305-477-7426

CASE

THIS IS TO CERTIFY THAT AMERICAN MICRO-IMAGE, INC.
PRESENTS THE FOLLOWING IMAGES AS AN ACCURATE AND
COMPLETE MICROFILM COPY OF THE ORIGINAL BUSINESS
FILES AS EDITED BY THE INSTITUTION INSTRUCTIONS.



1.0	1.1	1.25	1.4	1.6
1.8	2.0	2.25	2.5	2.8
3.0	3.5	4.0	4.5	5.0
5.5	6.0	6.5	7.0	7.5
8.0	8.5	9.0	9.5	10.0

AMERICAN MICRO-IMAGE, INC.
10000 W. BAYVIEW BLVD., SUITE 100
MIAMI BEACH, FLORIDA 33154

PERMIT #
B0001111
bms 0102489

ADDRESS
1500 BAY RD
GRAND FLAMINGO

CITY OF MIAMI BEACH
Building Department
1700 Convention Ctr Drive, 2nd Floor
Miami Beach, Florida 33139
Inspections: (305) 673-7370 Office: (305) 673-7410

Miscellaneous Receipt

05-21-2001

Activity Number: **BMS0102489**

Status: APPROVED

Issued By: BULLBERG

Site Address: 1500 BAY RD MDC11
Parcel #: 32330070030

Applied: 05/18/2001
Approved: 05/18/2001
Completed:
To Expire:

Valuation: \$0.00

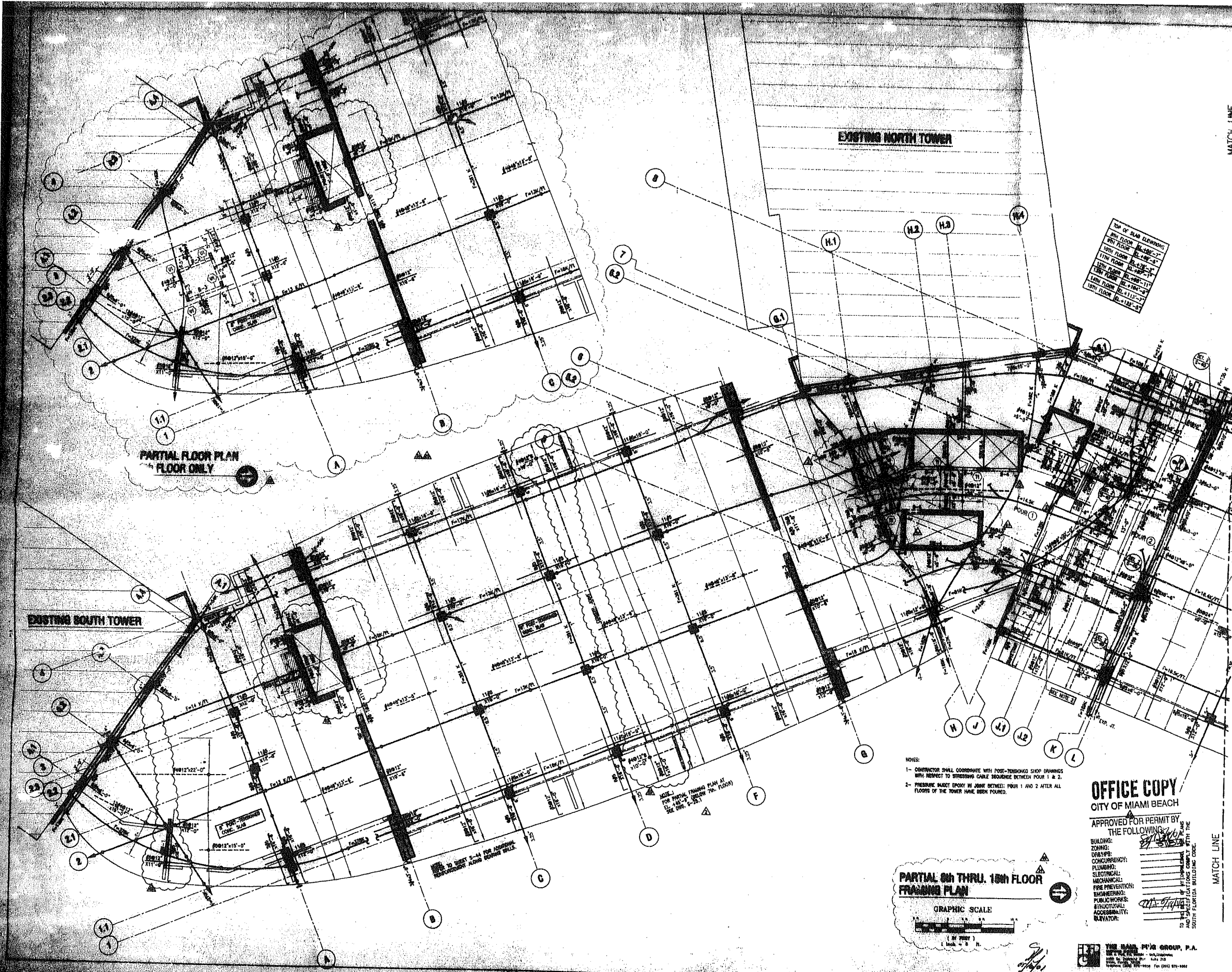
Applicant: TURNER CONSTRUCTION
3300 SW 2ND AVE
MIAMI, FL 33129
305-850-8686

Property Owner: AIMCO
2180 W HWY 434-SUITE 6110
LONGWOOD, FL 32779

Description: REV H0803540D0001111-STRCT-FOUR STRIP DELITION
Inspector Area: S Class Code: REVIS

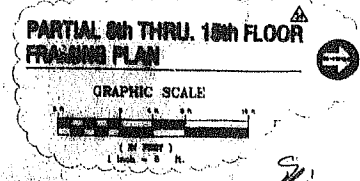
Fees Summary

Total of All Fees	\$300.00
Total of Payments	\$200.00
Balance Due:	\$0.00



FLOOR	TOP OF SLAB ELEVATION
8TH FLOOR	81.480'-0"
9TH FLOOR	81.480'-0"
10TH FLOOR	81.480'-0"
11TH FLOOR	81.480'-0"
12TH FLOOR	81.480'-0"
13TH FLOOR	81.480'-0"
14TH FLOOR	81.480'-0"
15TH FLOOR	81.480'-0"
16TH FLOOR	81.480'-0"
17TH FLOOR	81.480'-0"
18TH FLOOR	81.480'-0"

- NOTES:
- 1- CONTRACTOR SHALL COORDINATE WITH POST-TENSIONED SHOP DRAWINGS WITH RESPECT TO STEELWORK GABLE SEQUENCE BETWEEN FLOOR 1 & 2.
 - 2- PRESSURE WASH EPoxy IN JOINT DETAIL: POUR 1 AND 2 AFTER ALL FLOORS OF THE TOWER HAVE BEEN POURED.



OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: _____
 ZONING: _____
 CONCURRING: _____
 PLUMBING: _____
 ELECTRICAL: _____
 MECHANICAL: _____
 FIRE PREVENTION: _____
 ENGINEERING: _____
 PUBLIC WORKS: _____
 HISTORICAL: _____
 ACCESSIBILITY: _____
 ELEVATOR: _____

THE BAIN, P'ING GROUP, P.A.
 1100 N. BAYVIEW BLVD., SUITE 1100
 MIAMI, FL 33134
 TEL: (305) 371-1100 FAX: (305) 371-1100

AIMCO Properties

MURAKAMI

1000 N. BAYVIEW BLVD.
SUITE 1100
MIAMI, FL 33134

ROLF JENSEN & ASSOCIATES, INC.
 FIRE PROTECTION ENGINEERING CONSULTANTS
 5855 N. W. 11th AVENUE, SUITE 600
 MIAMI, FLORIDA 33157
 TEL: (305) 557-6664 FAX: (305) 557-6192

MILNER PARKER CONSULTANTS (P.C.), INC.
 2000 BROADWAY BUILDING, SUITE 201
 MIAMI, FLORIDA 33134
 TEL: (305) 371-3000 FAX: (305) 371-3000

STEVEN FELLER, P.E., INC.
 CONSULTING ENGINEER
 200 N. BAYVIEW BLVD., SUITE 1100
 MIAMI, FLORIDA 33134
 TEL: (305) 371-1100 FAX: (305) 371-1100

THE BAIN, P'ING GROUP, P.A.
 1100 N. BAYVIEW BLVD., SUITE 1100
 MIAMI, FLORIDA 33134
 TEL: (305) 371-1100 FAX: (305) 371-1100

MARSH & MANN CONSULTANTS, INC.
 1100 N. BAYVIEW BLVD., SUITE 1100
 MIAMI, FLORIDA 33134
 TEL: (305) 371-1100 FAX: (305) 371-1100

CURTIS+ROGERS DESIGN STUDIO, INC.
 2000 BROADWAY BUILDING, SUITE 201
 MIAMI, FLORIDA 33134
 TEL: (305) 371-3000 FAX: (305) 371-3000

ZYSOVICH
 CONSULTING ENGINEER
 1100 N. BAYVIEW BLVD., SUITE 1100
 MIAMI, FLORIDA 33134
 TEL: (305) 371-1100 FAX: (305) 371-1100

THE GRAND FLAMINGO
 Miami Beach, Florida

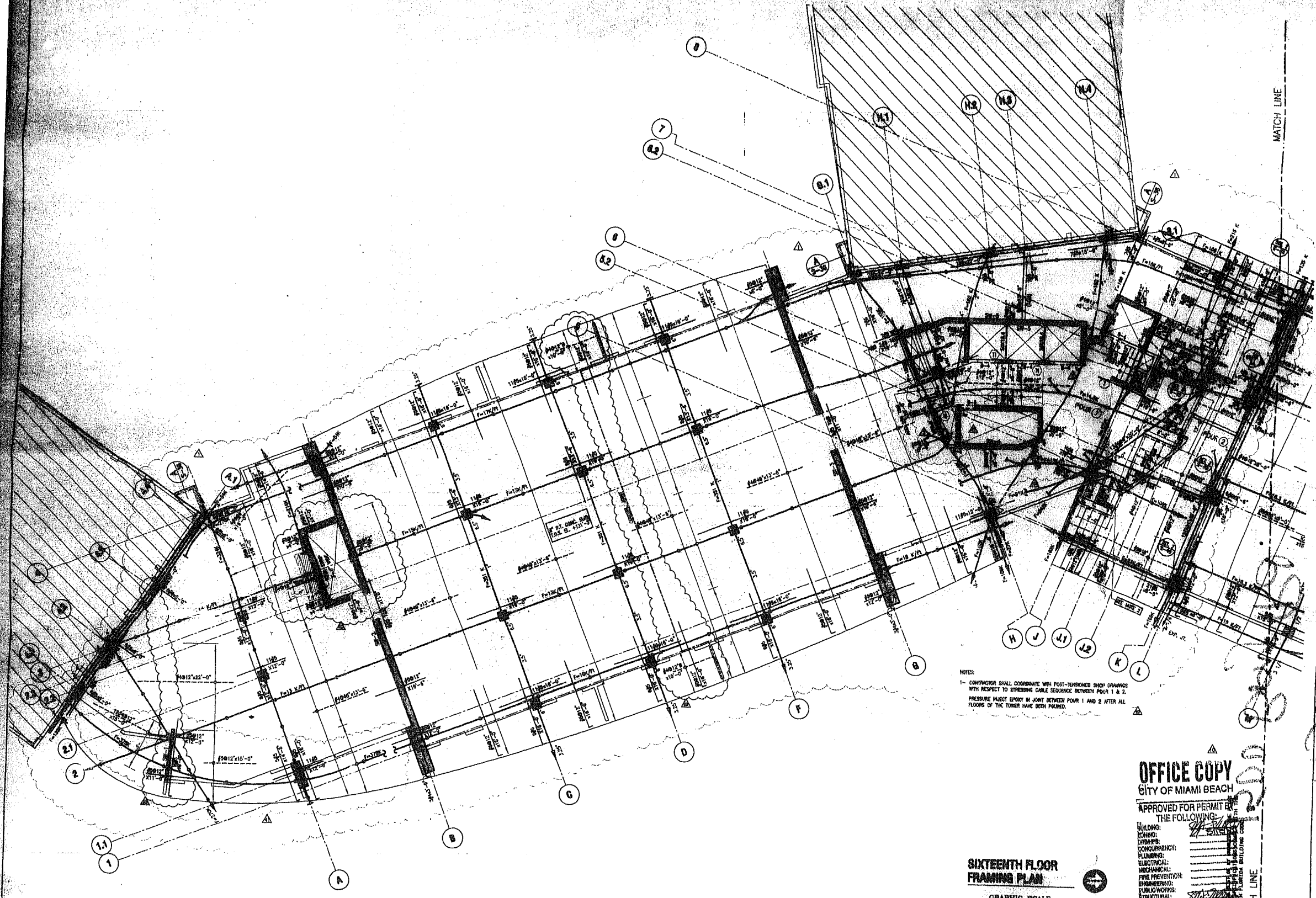
AREA 'A' PARTIAL 8th THRU. 18th FL. PLAN

Scale:
 8/18/98
 7-14-00
 9/29/00
 1/18/01
 4/24/01 - GENERAL
 5/16/01 - FOUR STAIR RELOC. & C.A.

9/10/98 SHELL PERMIT
 9/10/98 BUILDING PERMIT
 Revised: 2/3/99 BID SET
 Revised: 4/23/99
 Revised: 4/23/99
 Revised: 05-14-99

DESIGNER
 5700 CONSTRUCTION SET
 TABS 01 CONSTRUCTION SET-2

S-25



NOTES:
 1- CONTRACTOR SHALL COORDINATE WITH POST-TENSIONING SHOP DRAWINGS WITH RESPECT TO STRESSING CABLE SEQUENCE BETWEEN POUR 1 & 2. PRESSURE MAST EPXY IN JOINT BETWEEN POUR 1 AND 2 AFTER ALL FLOORS OF THE TOWER HAVE BEEN POURED.

OFFICE COPY
 CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

- BUILDING: _____
- GRAPHIC: _____
- CONCRETE: _____
- PLUMBING: _____
- ELECTRICAL: _____
- Mechanical: _____
- FIRE PREVENTION: _____
- ENGINEERING: _____
- PUBLIC WORKS: _____
- STRUCTURAL: _____
- ACCESSIBILITY: _____
- ELEVATOR: _____

SIXTEENTH FLOOR FRAMING PLAN

GRAPHIC SCALE



THE RAM, PUGH GROUP, P.A.
 2001 N. Collins Ave., Suite 110
 Miami Beach, FL 33139
 Phone: (305) 531-2000 Fax: (305) 531-2000

AIMCO Properties
MURAKAMI

00744-00000000
 00744-00000000
 100000000000

HOLY WERNER & ASSOCIATES, INC.
 FINE PROTECTION ENGINEERING CONSULTANTS
 2800 N. O. LEE BLVD. SUITE 100
 MIAMI BEACH, FLORIDA 33154-1007
 TEL: (305) 857-8554 FAX: (305) 857-8554

WALTER HARRIS CONSULTANTS, INC.
 1001 BRICKMAN BLVD., SUITE 100
 MIAMI BEACH, FLORIDA 33154
 TEL: (305) 857-2000 FAX: (305) 857-2000

STEVEN PELLER, P.E. INC.
 1001 BRICKMAN BLVD., SUITE 100
 MIAMI BEACH, FLORIDA 33154
 TEL: (305) 857-2000 FAX: (305) 857-2000

THE RAM, PUGH GROUP, P.A.
 2001 N. Collins Ave., Suite 110
 Miami Beach, FL 33139
 Phone: (305) 531-2000 Fax: (305) 531-2000

WALTER HARRIS CONSULTANTS, INC.
 1001 BRICKMAN BLVD., SUITE 100
 MIAMI BEACH, FLORIDA 33154
 TEL: (305) 857-2000 FAX: (305) 857-2000

CURTIS+ROCKERS
 A DESIGN STUDIO
 1001 BRICKMAN BLVD., SUITE 100
 MIAMI BEACH, FLORIDA 33154
 TEL: (305) 857-2000 FAX: (305) 857-2000

ZVSCOVICH
 1001 BRICKMAN BLVD., SUITE 100
 MIAMI BEACH, FLORIDA 33154
 TEL: (305) 857-2000 FAX: (305) 857-2000

THE GRAND FLAMINGO
 1001 BRICKMAN BLVD., SUITE 100
 MIAMI BEACH, FLORIDA 33154
 TEL: (305) 857-2000 FAX: (305) 857-2000

REVISIONS

1/16/00	1/16/00
1/20/00	1/20/00
1/19/01	1/19/01
4/24/01	4/24/01
5/18/01	5/18/01 - POOR-STEP RELOC. & C.

AREA 'A' (TOWER)
SIXTEENTH FLOOR

5/10/00	SHELL PERMIT
5/10/00	BUILDING PERMIT
2/5/00	50 SET
Revised: 1/16/00	1/16/00
Revised: 1/19/01	1/19/01
Revised:	

6/7/00 CONSTRUCTION SET
 1/16/00 CONSTRUCTION SET-2

S-31

Bm 50102489

B0001111

1500 Bay Rd.

B0001111
GIRARD FLEMING
Bm 0102489
OFFICE

B0001111
1500 Bay Rd.
Four Strip
Relocation
Struct. Only

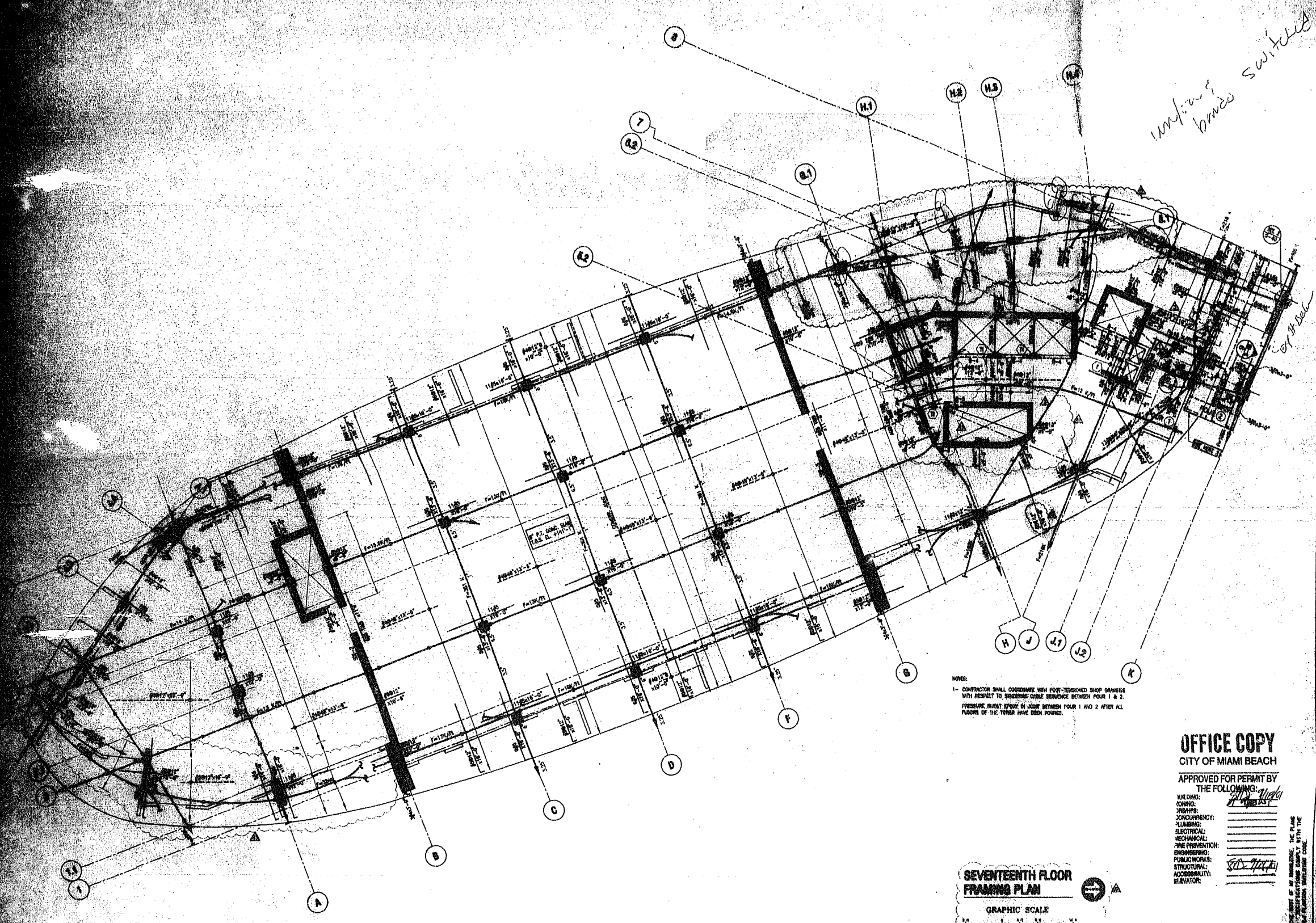
PERMIT #

B0001111

Bms 0104003

ADDRESS

1500 Bay RD.



NOTE:
 1- CONTRACTOR SHALL COORDINATE WITH POST-TENSIONED SHOP DRAWINGS WITH REFERENCE TO BRACING CHAIR SPACING BETWEEN POOR 1 & 2. PRESSURE MUST EXIST IN JOINT BETWEEN POOR 1 AND 2 AFTER ALL FLOORS OF THE TOWER HAVE BEEN Poured.



OFFICE COPY
 CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
 THE FOLLOWING:

- BUILDING: _____
- ZONING: _____
- ORDINANCE: _____
- PLUMBING: _____
- ELECTRICAL: _____
- MECHANICAL: _____
- FIRE PREVENTION: _____
- ENGINEERING: _____
- PUBLIC WORKS: _____
- STRUCTURAL: _____
- ACCESSIBILITY: _____
- ELEVATOR: _____

AMCO

MECHANICAL

MECHANICAL ENGINEERING
 10101 BAYVIEW BLVD., SUITE 100
 MIAMI BEACH, FL 33154
 TEL: (305) 866-1111

STEVEN FELDMAN, P.E.
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 NO. 12457

THE GRAND PLANNING

ARCHITECTS

DESIGN STUDIOS

ARCHITECTS

THE GRAND PLANNING

ARCHITECTS

DESIGN STUDIOS

ARCHITECTS

DESIGN STUDIOS

ARCHITECTS

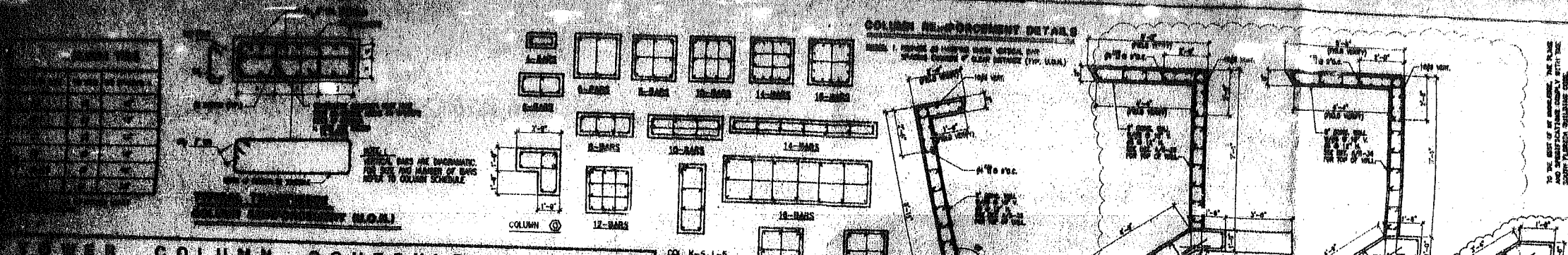
DESIGN STUDIOS

ARCHITECTS

DESIGN STUDIOS

ARCHITECTS

DESIGN STUDIOS



TOWER COLUMN SCHEDULE

FLOOR	17TH FLOOR	16TH FLOOR	15TH FLOOR	14TH FLOOR	13TH FLOOR	12TH FLOOR	11TH FLOOR	10TH FLOOR	9TH FLOOR	8TH FLOOR	7TH FLOOR	6TH FLOOR	5TH FLOOR	4TH FLOOR	LEVEL 3	LEVEL 2	LEVEL 1	TOP OF PILE CAP	DOWELS	
COL.	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5
NO.	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117

MID-RISE COLUMN SCHEDULE

FLOOR	17TH FLOOR	16TH FLOOR	15TH FLOOR	14TH FLOOR	13TH FLOOR	12TH FLOOR	11TH FLOOR	10TH FLOOR	9TH FLOOR	8TH FLOOR	7TH FLOOR	6TH FLOOR	5TH FLOOR	4TH FLOOR	LEVEL 3	LEVEL 2	LEVEL 1	TOP OF PILE CAP	DOWELS	
COL.	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5	COL. J-5, Q-5	COL. K-5, L-5	COL. M-5, N-5, P-5
NO.	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117

AIMCO

WYKAM

STEVEN FULLER, P.E.

CURTIS+ROGERS DESIGN STUDIO, INC.

ZYSOVICH

THE GRAND PLANNING

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: [Signature]
ZONING: [Signature]
CONCRETE: [Signature]
ELECTRICAL: [Signature]
MECHANICAL: [Signature]
FIRE PROTECTION: [Signature]
PLUMBING: [Signature]
PUBLIC WORKS: [Signature]
STRUCTURAL: [Signature]
ASBESTOS: [Signature]
ELEVATOR: [Signature]

TOWER AND MID-RISE COLUMN SCHEDULE

DATE: 10/10/00
BY: [Signature]
CHECKED: [Signature]
DATE: 9/12/01

GRAND FLAMINGO
B0001111
MASTER PERMIT
STRUCTURAL REVISION ONLY

OFFICE COPY
BMS 0104003

BMS0104003
B0001111
1500 BAY RD

PERMIT #
B000111

BMS 0102204

ADDRESS
1500 BAY RD

CITY OF MIAMI BEACH
 Building Department
 1700 Convention Ctr Drive, 2nd Floor
 Miami Beach, Florida 33139
 Inspections: (305) 673-7378 Office: (305) 673-7610

Miscellaneous Receipt

04-27-2001

Activity Number: BMS0102204

Status: APPROVED Issued By: BUILLECS
 Site Address: 1500 BAY RD MBCH Parcel #: 32330070030
 Applied: 04/26/2001 Approved: 04/27/2001 Completed: 04/27/2001 To Expire:
 Valuation: \$0.00
 Applicant: TURNER CONSTRUCTION Property Owner: MORTON TOWERS APARTMENTS LP

Description: REV/STRUC/SLAB 45.9 THRU 16 FLOOR CABLES #10001111
 Inspector Area: C Class Code: REVIS

Fees Summary

Total of All Fees:	\$200.00
Total of Payments:	\$200.00
Balance Due:	\$0.00

CITY OF MIAMI BEACH
 Building Department
 1700 Convention Ctr Drive, 2nd Floor
 Miami Beach, Florida 33139
 Inspections: (305) 673-7378 Office: (305) 673-7610

BUILDING WORK PERMIT

04-27-2001

Activity Number: B9803540

Status: CHINGNTR Issued By: BUIHHRG
 Site Address: 1500 BAY RD MBCH Parcel #: 32330070030
 Applied: 08/21/1998 Approved: 11/06/1998 Completed: 10/23/2001 To Expire:
 Valuation: \$67,500,000.00
 Applicant: MILLER & SOLOMON 5491 NW 17TH ST, SYE 1, MIAMI, FL 33126 33126 305-599-2300 Property Owner: MORTON TOWERS APARTMENTS LP

Description: NEW CONST OF A 2 LEVEL BLDG 512 UNITS
 Inspector Area: 5

Total of All Fees:	156,922.71
Total of Payments:	156,922.71
Balance Due:	\$0.00

CITY OF MIAMI BEACH
 Miami Beach, Florida 33139
 Receipt of Payment

Building Work Permit

04-27-2001

Receipt: Activity Number: B0901111 Status: APPROVED
 Date Applied: 12/22/1999 Date Issued: 01/03/2000 Entered By: BUILLECS
 Date Completed: 10/23/2001 Date Expired: 10/23/2001
 Site Address: 1500 BAY RD MBCH Parcel #: 32330070030 Balance Due: \$0.00 Valuation: \$67,500,000.00
 Applicant: TURNER CONSTRUCTION CO ANDREW I. MIROWITZ 2500 S.W. 3RD AVENUE 33129 305 860-8686 Owner: MORTON TOWERS APARTMENTS LP % CHIEF FINANCIAL OFFICER 1075 N BELLAIRE ST 17TH FL 30222

Description: NEW CONST OF A 2 LEVEL BLDG 512 UNITS

Payments made for this receipt

Type	Amount	Accepted By
Payment Made		
TOTAL PAYMENT	0.00	Payment

Current Payment Made to the Following Items:

Account Summary for Fees and Payments:

Item Description	Account Code	Fee Code	Fee	Pror	Insta	Sur	Insta
10 Building Permit	011000122100		150.00	10.00	110.00		00

[RECEIPT]

CITY OF MIAMI BEACH
Building Department
1700 Convention Ctr Drive, 2nd Floor
Miami Beach, Florida 33139
Inspections: (305) 673-7370 Office: (305) 673-7610

Miscellaneous Receipt

84-30-2001

Activity Number: BMS0102204

Status: APPROVED

Issued By: BUILLECS

Site Address: 1500 BAY RD MBCH
Parcel #: 32330070030

Applied: 04/26/2001
Approved: 04/27/2001
Completed:
To Expire:

Valuation: \$0.00

Applicant: TURNER CONSTRUCTION

Property Owner: MORTON TOWERS APARTMENTS LP

Description: REV/STRUC/BLAD 45'9" THRU 16FLOOR CABLES #0001111
Inspector Area: C Class Code: REVIS

Fees Summary

Total of All Fees	\$200.00
Total of Payments	\$200.00
Balance Due	\$0.00

CITY OF MIAMI BEACH
Miami Beach, Florida 33139
Receipt of Payment

Building Work Permit

84-30-2001

Activity Number: B0001111
Status: APPROVED

Receipt:

Date Applied: 12/22/1999
Date Completed:

Date Issued: 01/03/2000
Date Expired: 10/23/2001

Entered By: BUILLECS

Site Address: 1500 BAY RD MBCH
Parcel #: 32330070030

Balance Due: \$0.00
Valuation: \$67,500,000.00

Applicant: TURNER CONSTRUCTION CO
ANDREW L. MIROWITZ
2500 S.W. JRD AVENUE 33129
305 550-8686

Owner: MORTON TOWERS APARTMENTS LP
% CHIEF FINANCIAL OFFICER
1873 S BELLAIRE ST 17TH FL 30222

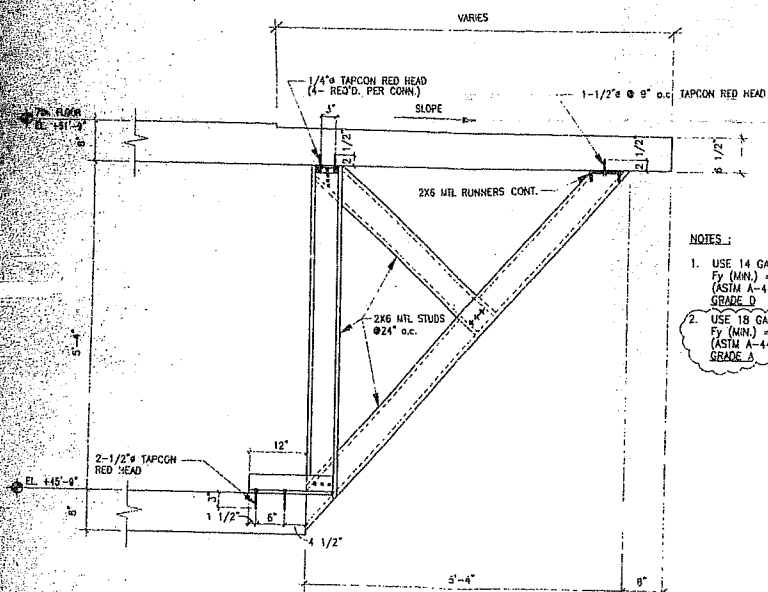
Description: NEW CONST OF A 2 LEVEL BLDG 512 UNITS

Payments made for this receipt:

Current Payment Made to the Following Items:

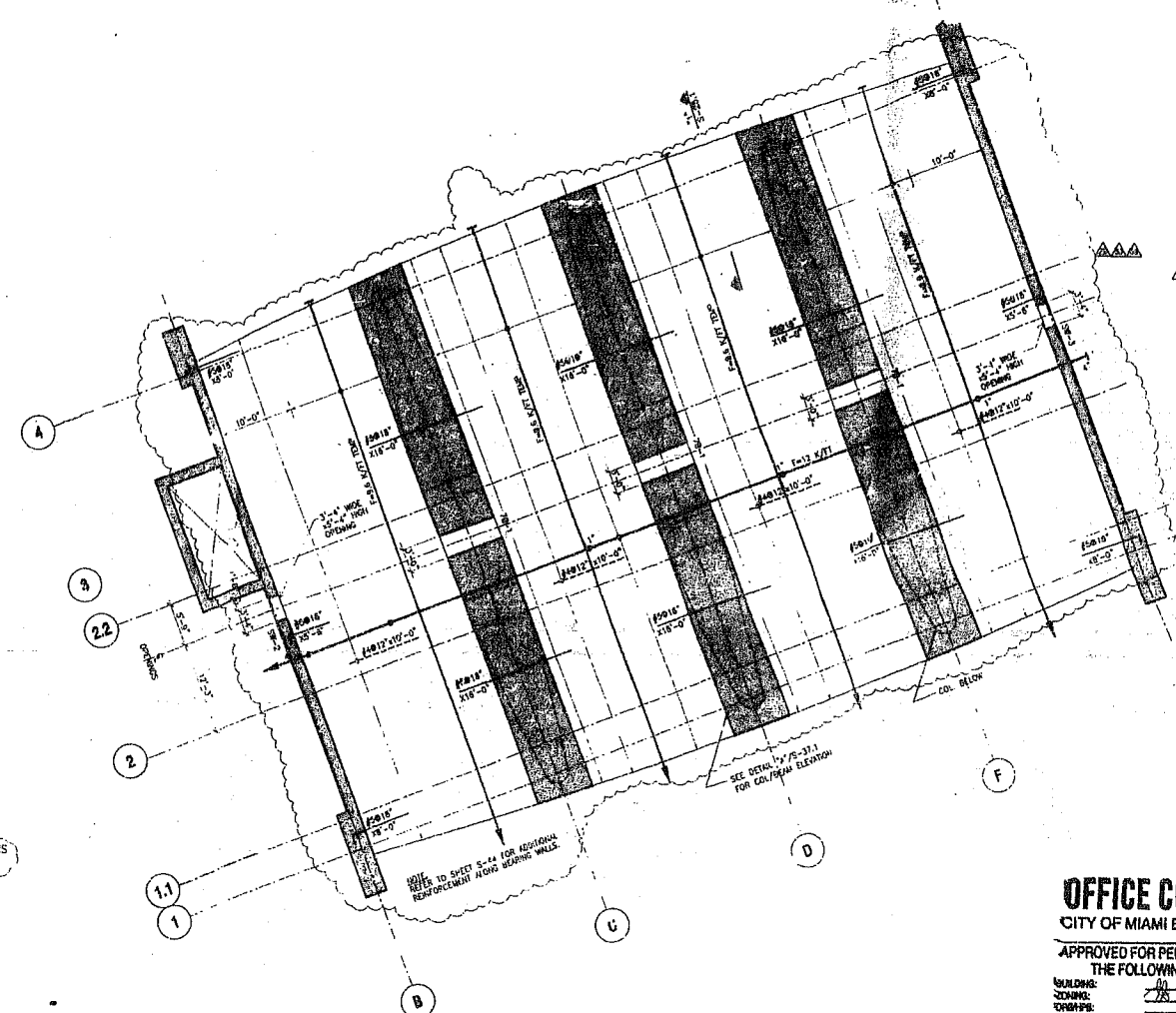
Account Summary for Fees and Payments:

[RECEIPT]

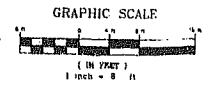


- NOTES:
1. USE 14 GAGE METAL STUDS
 F_y (MIN.) = 50 KSI
 (ASTM A-446)
 GRADE D
 2. USE 18 GAGE METAL RUNNERS
 F_y (MIN.) = 33 KSI
 (ASTM A-446)
 GRADE B

SECTION '1'
 SCALE: 1/2" = 1'-0"



PARTIAL FRAMING PLAN
 AT ELEV. +45'-0"



OFFICE COPY
 CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY
 THE FOLLOWING:

BUILDING:	_____
MECHANICAL:	_____
ELECTRICAL:	_____
PLUMBING:	_____
STRUCTURAL:	_____
ACCESSIBILITY:	_____
ELEVATOR:	_____

SEAL: 1/28/00
 4/27/00
 1/23/01

AREA 'A' PARTIAL

EL. +45'-0" FL. PLAN

07/10/98	SHELL PERMIT
07/10/98	BUILDING PERMIT
Revised:	2/5/99 803 SET
Revised:	MOOREM - 3/12/99
Revised:	CS-16-06
Revised:	

1/1/99 CONSTRUCTION SET
 1/1/99 CONSTRUCTION SET-2

S-25.1

AIMCO

MURAKAMI

ROLF JENSEN & ASSOCIATES, INC.
 FAL PROVISION ENGINEERING CONSULTANTS
 5850 N. W. 11TH AVENUE SUITE 405
 DUNEDIN, FLORIDA 33426-4055
 TEL: (407) 251-1111 FAX: (407) 251-1112

STEVEN FELLER, P.E. INC.
 CONSULTING ENGINEER
 270 N. BAYVIEW BLVD. SUITE 200
 MIAMI BEACH, FLORIDA 33139
 TEL: (305) 438-1800 FAX: (305) 438-1800

THE RAIL PING GROUP, P.A.
 2222 N. W. 11TH AVENUE SUITE 200
 MIAMI, FLORIDA 33142
 TEL: (305) 438-1800 FAX: (305) 438-1800

CURTIS+ROGERS
 DESIGN STUDIO, INC.
 1000 BAY ROAD SUITE 200
 MIAMI BEACH, FLORIDA 33139

zyscovich

THE GRAND FLAMINGO
 1000 Bay Road
 Miami Beach, Florida

THE RAIL PING GROUP, P.A.
 2222 N. W. 11TH AVENUE SUITE 200
 MIAMI, FLORIDA 33142
 TEL: (305) 438-1800 FAX: (305) 438-1800

[Signature]

