

# NEXT

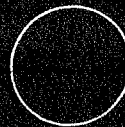
# LASON

6954 N.W. 12 STREET, MIAMI, FLORIDA 33126  
305-422-8149 • 800-287-4709 • FAX 305-477-7528

6954 N.W. 12 STREET, MIAMI, FL 33150  
305-487-8140 • 800-287-4709 • FAX 305-477-752

# 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  | 1.25 | 1.4  | 1.6  |
| 1.1  | 1.3  | 1.5  | 1.7  |
| 1.2  | 1.4  | 1.6  | 1.8  |
| 1.3  | 1.5  | 1.7  | 1.9  |
| 1.4  | 1.6  | 1.8  | 2.0  |
| 1.5  | 1.7  | 1.9  | 2.1  |
| 1.6  | 1.8  | 2.0  | 2.2  |
| 1.7  | 1.9  | 2.1  | 2.3  |
| 1.8  | 2.0  | 2.2  | 2.4  |
| 1.9  | 2.1  | 2.3  | 2.5  |
| 2.0  | 2.2  | 2.4  | 2.6  |
| 2.1  | 2.3  | 2.5  | 2.7  |
| 2.2  | 2.4  | 2.6  | 2.8  |
| 2.3  | 2.5  | 2.7  | 2.9  |
| 2.4  | 2.6  | 2.8  | 3.0  |
| 2.5  | 2.7  | 2.9  | 3.1  |
| 2.6  | 2.8  | 3.0  | 3.2  |
| 2.7  | 2.9  | 3.1  | 3.3  |
| 2.8  | 3.0  | 3.2  | 3.4  |
| 2.9  | 3.1  | 3.3  | 3.5  |
| 3.0  | 3.2  | 3.4  | 3.6  |
| 3.1  | 3.3  | 3.5  | 3.7  |
| 3.2  | 3.4  | 3.6  | 3.8  |
| 3.3  | 3.5  | 3.7  | 3.9  |
| 3.4  | 3.6  | 3.8  | 4.0  |
| 3.5  | 3.7  | 3.9  | 4.1  |
| 3.6  | 3.8  | 4.0  | 4.2  |
| 3.7  | 3.9  | 4.1  | 4.3  |
| 3.8  | 4.0  | 4.2  | 4.4  |
| 3.9  | 4.1  | 4.3  | 4.5  |
| 4.0  | 4.2  | 4.4  | 4.6  |
| 4.1  | 4.3  | 4.5  | 4.7  |
| 4.2  | 4.4  | 4.6  | 4.8  |
| 4.3  | 4.5  | 4.7  | 4.9  |
| 4.4  | 4.6  | 4.8  | 5.0  |
| 4.5  | 4.7  | 4.9  | 5.1  |
| 4.6  | 4.8  | 5.0  | 5.2  |
| 4.7  | 4.9  | 5.1  | 5.3  |
| 4.8  | 5.0  | 5.2  | 5.4  |
| 4.9  | 5.1  | 5.3  | 5.5  |
| 5.0  | 5.2  | 5.4  | 5.6  |
| 5.1  | 5.3  | 5.5  | 5.7  |
| 5.2  | 5.4  | 5.6  | 5.8  |
| 5.3  | 5.5  | 5.7  | 5.9  |
| 5.4  | 5.6  | 5.8  | 6.0  |
| 5.5  | 5.7  | 5.9  | 6.1  |
| 5.6  | 5.8  | 6.0  | 6.2  |
| 5.7  | 5.9  | 6.1  | 6.3  |
| 5.8  | 6.0  | 6.2  | 6.4  |
| 5.9  | 6.1  | 6.3  | 6.5  |
| 6.0  | 6.2  | 6.4  | 6.6  |
| 6.1  | 6.3  | 6.5  | 6.7  |
| 6.2  | 6.4  | 6.6  | 6.8  |
| 6.3  | 6.5  | 6.7  | 6.9  |
| 6.4  | 6.6  | 6.8  | 7.0  |
| 6.5  | 6.7  | 6.9  | 7.1  |
| 6.6  | 6.8  | 7.0  | 7.2  |
| 6.7  | 6.9  | 7.1  | 7.3  |
| 6.8  | 7.0  | 7.2  | 7.4  |
| 6.9  | 7.1  | 7.3  | 7.5  |
| 7.0  | 7.2  | 7.4  | 7.6  |
| 7.1  | 7.3  | 7.5  | 7.7  |
| 7.2  | 7.4  | 7.6  | 7.8  |
| 7.3  | 7.5  | 7.7  | 7.9  |
| 7.4  | 7.6  | 7.8  | 8.0  |
| 7.5  | 7.7  | 7.9  | 8.1  |
| 7.6  | 7.8  | 8.0  | 8.2  |
| 7.7  | 7.9  | 8.1  | 8.3  |
| 7.8  | 8.0  | 8.2  | 8.4  |
| 7.9  | 8.1  | 8.3  | 8.5  |
| 8.0  | 8.2  | 8.4  | 8.6  |
| 8.1  | 8.3  | 8.5  | 8.7  |
| 8.2  | 8.4  | 8.6  | 8.8  |
| 8.3  | 8.5  | 8.7  | 8.9  |
| 8.4  | 8.6  | 8.8  | 9.0  |
| 8.5  | 8.7  | 8.9  | 9.1  |
| 8.6  | 8.8  | 9.0  | 9.2  |
| 8.7  | 8.9  | 9.1  | 9.3  |
| 8.8  | 9.0  | 9.2  | 9.4  |
| 8.9  | 9.1  | 9.3  | 9.5  |
| 9.0  | 9.2  | 9.4  | 9.6  |
| 9.1  | 9.3  | 9.5  | 9.7  |
| 9.2  | 9.4  | 9.6  | 9.8  |
| 9.3  | 9.5  | 9.7  | 9.9  |
| 9.4  | 9.6  | 9.8  | 10.0 |
| 9.5  | 9.7  | 9.9  | 10.1 |
| 9.6  | 9.8  | 10.0 | 10.2 |
| 9.7  | 9.9  | 10.1 | 10.3 |
| 9.8  | 10.0 | 10.2 | 10.4 |
| 9.9  | 10.1 | 10.3 | 10.5 |
| 10.0 | 10.2 | 10.4 | 10.6 |
| 10.1 | 10.3 | 10.5 | 10.7 |
| 10.2 | 10.4 | 10.6 | 10.8 |
| 10.3 | 10.5 | 10.7 | 10.9 |
| 10.4 | 10.6 |      |      |

PROPOSED SOLUTION: First, change

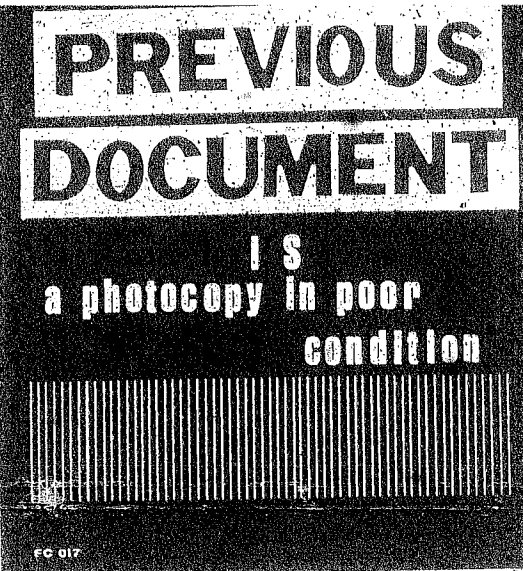
# LACOM

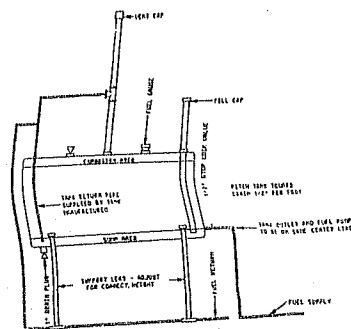
**The Information Management Company**

**PERMIT #**

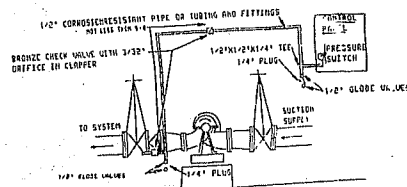
3000 1111







DIESEL FUEL TANK DETAIL  
NOT TO SCALE



FIRE PUMP SENSING LINE DETAIL  
NOT TO SCALE

6" X-HEAVY PUMP TEST HEADER W/  
(4) 2" ANGLE HOSE VALVES, CAPS &  
CHAINS

359 GAL DOUBLE WALLED FUEL OIL  
TANK (320 GAL USABLE). AUTOMATIC  
FUEL DELIVERY SYSTEM, PIPING,  
IN TANK DEVICES AND CONTROLS BY  
OTHERS. MOUNT ON PIPE LEGS TO  
ELEVATION SHOWN.

AURORA MODEL 6-485-17A AUTOMATIC  
FIRE PUMP, 1000 GPM @ 225 PSI W/  
285 HP DETROIT DIESEL ENGINE  
MODEL DDFP-L6FA THIS IS AN EXISTING  
FIRE PUMP TO BE RELOCATED AS  
SHOWN.

NOTE:  
WALLS, DOORS AND BEAMS MUST BE  
POSTPONED UNTIL AFTER THE FIRE  
PUMP IS INSTALLED.

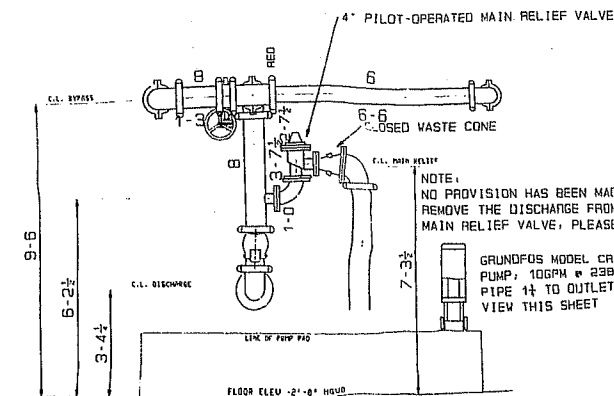
NOTE:  
THIS FIRE PUMP IS CURRENTLY INSTALLED  
WITH A 4" PILOT ACTUATED MAIN RELIEF  
VALVE. THIS VALVE IS NOT REQUIRED BY  
CONSIDERED DESIRABLE BY NFPA 20  
IF IT IS REQUIRED BY THE P.E. OR ARCH  
PLEASE ADVISE AND PROVIDE AN 8" TRAIN  
LINE TO REMOVE THE DISCHARGE TO A  
SAFE LOCATION

CONT'D PP-07

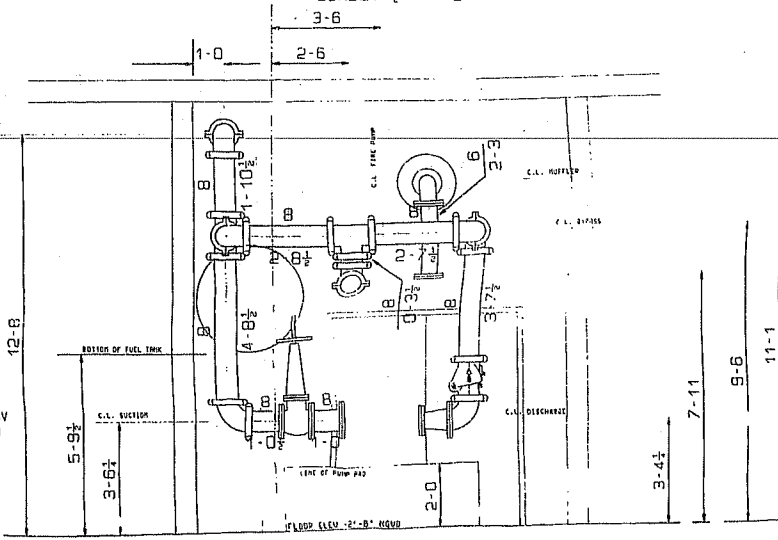
CONT'D PP-07

# FIRE PUMP ROOM

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



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



SECTION A-A  
SCALE: 1/4" = 1'-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. ORLAND PARK BLVD., SUITE 310  
ORLAND PARK, FL 33211 954-777-7400



**IMPORTANT**  
THIS PLAN IS SUBJECT TO THE  
REVISIONS AND MODIFICATIONS  
MADE BY THE ENGINEER. THE  
OWNER AND ARCHITECT ARE  
RESPONSIBLE FOR THE  
CORRECTNESS OF THE  
INFORMATION SHOWN HEREON.  
NO WARRANTY IS MADE  
BY THE ENGINEER FOR THE  
CORRECTNESS OF THE  
INFORMATION SHOWN HEREON.  
NO WARRANTY IS MADE  
BY THE ENGINEER FOR THE  
CORRECTNESS OF THE  
INFORMATION SHOWN HEREON.

**CONTRACT RESPONSIBILITIES**  
ITEM RESP.  
1. CITY CONNECTION  
2. UNDERGROUND  
3. EXCAVATIONS  
4. BRACKETING  
5. PIPING  
6. ELECTRICAL

**SYMBOLS**  
1. 1/2" DIA. PIPE  
2. 1/2" DIA. PIPE  
3. 1/2" DIA. PIPE  
4. 1/2" DIA. PIPE  
5. 1/2" DIA. PIPE  
6. 1/2" DIA. PIPE  
7. 1/2" DIA. PIPE  
8. 1/2" DIA. PIPE  
9. 1/2" DIA. PIPE  
10. 1/2" DIA. PIPE

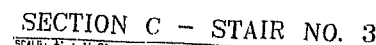
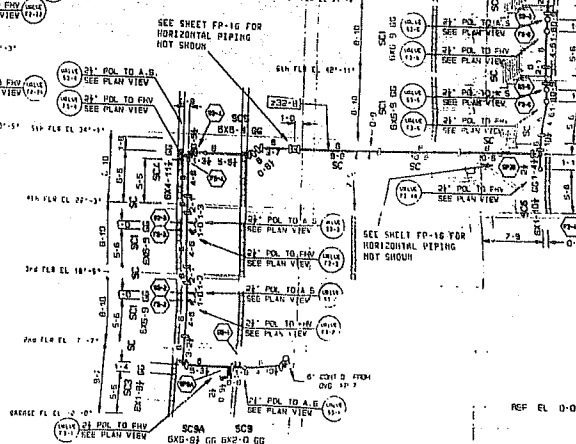
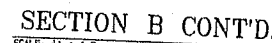
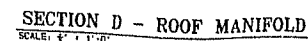
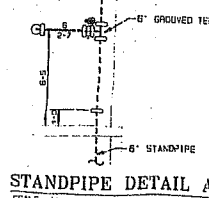
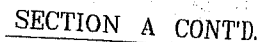
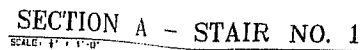
**SPRINKLERS/NOZZLES**  
MODEL STYLE NOT K  
CENTRAL 68 UPRIGHT 1/2 6.8 1/2  
CENTRAL 68 UPRIGHT 1/2 6.8 1/2  
CENTRAL 68 UPRIGHT 1/2 6.8 1/2  
CENTRAL 68 UPRIGHT 1/2 6.8 1/2  
CENTRAL 68 UPRIGHT 1/2 6.8 1/2

**ABBREVIATIONS**  
1. 1/2" DIA. PIPE  
2. 1/2" DIA. PIPE  
3. 1/2" DIA. PIPE  
4. 1/2" DIA. PIPE  
5. 1/2" DIA. PIPE  
6. 1/2" DIA. PIPE  
7. 1/2" DIA. PIPE  
8. 1/2" DIA. PIPE  
9. 1/2" DIA. PIPE  
10. 1/2" DIA. PIPE

**NOTES**  
1. 1/2" DIA. PIPE  
2. 1/2" DIA. PIPE  
3. 1/2" DIA. PIPE  
4. 1/2" DIA. PIPE  
5. 1/2" DIA. PIPE  
6. 1/2" DIA. PIPE  
7. 1/2" DIA. PIPE  
8. 1/2" DIA. PIPE  
9. 1/2" DIA. PIPE  
10. 1/2" DIA. PIPE

**REVISIONS**  
1. 1/2" DIA. PIPE  
2. 1/2" DIA. PIPE  
3. 1/2" DIA. PIPE  
4. 1/2" DIA. PIPE  
5. 1/2" DIA. PIPE  
6. 1/2" DIA. PIPE  
7. 1/2" DIA. PIPE  
8. 1/2" DIA. PIPE  
9. 1/2" DIA. PIPE  
10. 1/2" DIA. PIPE

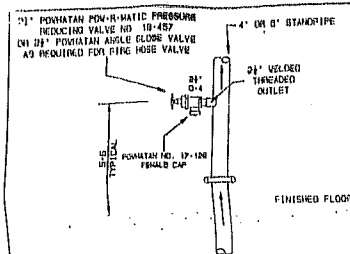
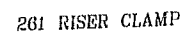
**SYSTEM INFO**  
THE GRAND FLAMINGO  
1800 BAY ROAD  
MIAMI BEACH, FLORIDA  
FIRE PUMP ROOM  
DATE: MAY 12, 2000  
DRAWN BY: R. TIMMONS  
CHECKED BY: PUC  
DESIGNED BY: PUC



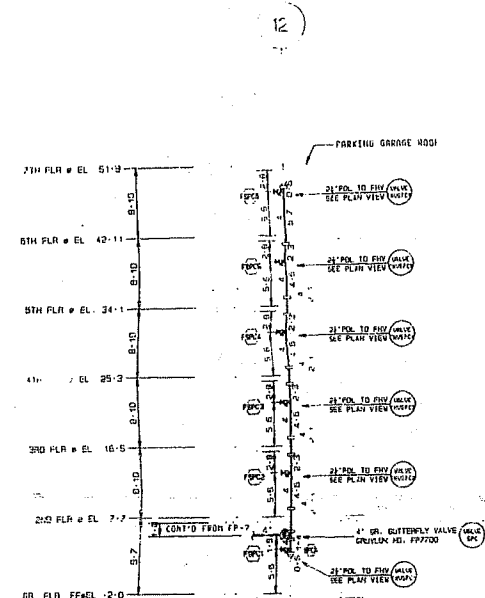
## GENERAL NOTES

- 1 THIS DRAWING DEPICTS THE VERTICAL STAKEPIE RISERS LOCATED IN STAIN 108 1, 2 AND 3  
2 THE STAKEPIE SYSTEM IS DESIGNED TO FLOW 250 GPM FROM EACH OF THE TWO TIE  
3 108C V2 TO AT 100 PSI + 250 GPM ALLOWED FOR EACH OF 2 ADDITIONAL STAKEPIES  
4 SEE DRAWING 11-1 FOR SITE PLAN, MATERIAL NOTES, SYSTEM INDEX AND MISC DETAILS

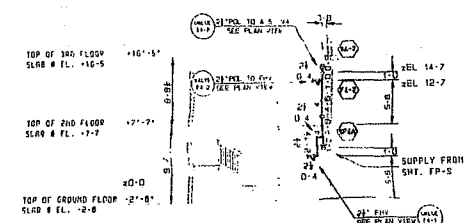
[illegible]



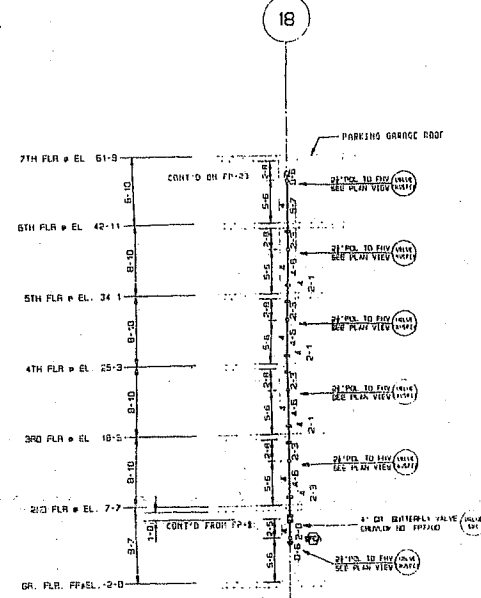
DETAIL A  
FIRE HOSE VALVE  
ARRANGEMENT



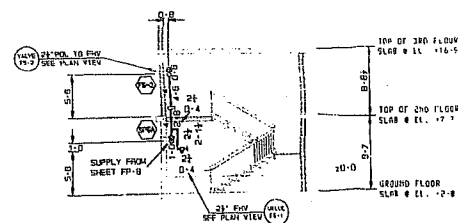
PARKING - STANDPIPE AT 12 / U



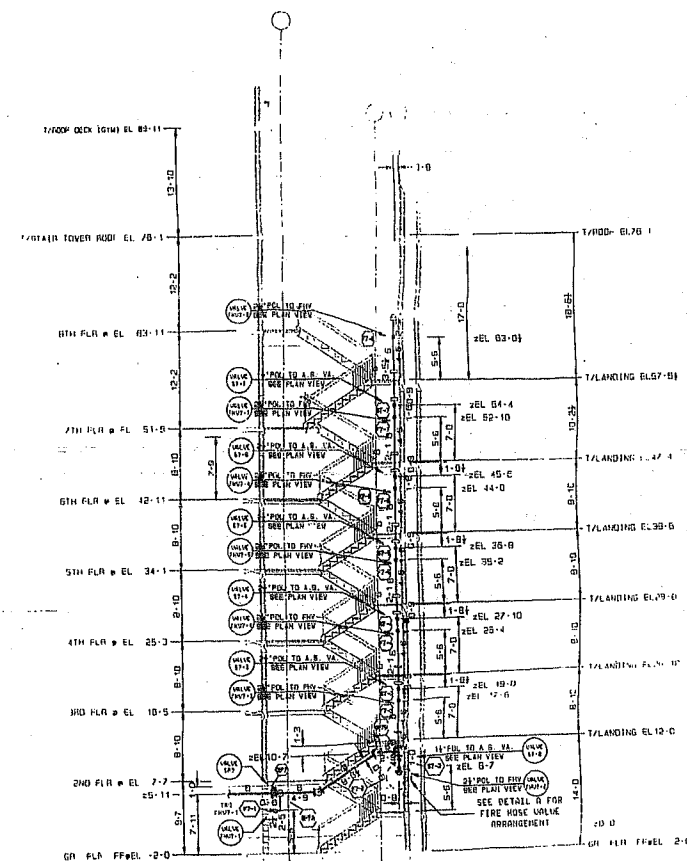
SECTION A - STAIR NO. 4



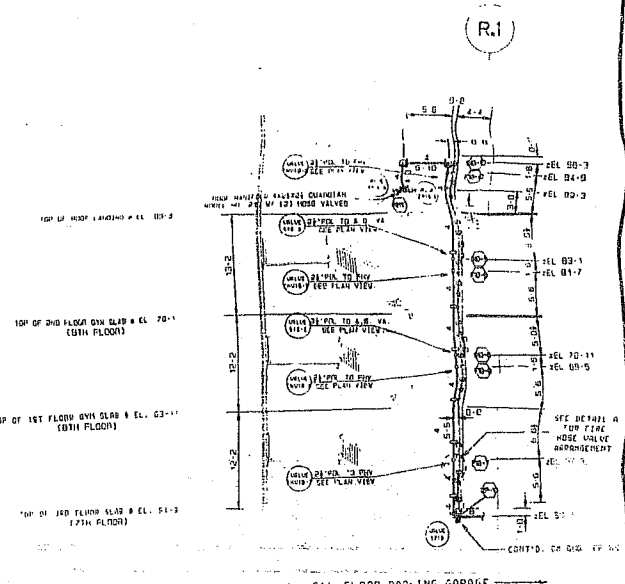
PARKING - STANDPIPE AT 18 / R.1



SECTION B - STAIR NO. 5



SECTION C - STAIR NO. 7



SECTION D - STAIR NO. 10  
SCALE: 1" = 1'-0"

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 |

SEE SHEET FP-42 FOR DETAILS  
OF EXPRESS DRAIN RISERS

**STEVEN FELLER, P.E. INC.**  
CONSULTING ENGINEERS  
2791 W. OAKLAND PARK BLVD. SUITE 310

**tyco**  
Fire & Security

**Grinnell Fire Protection**  
EXECUTIVE OFFICES - HOUSTON, TEXAS, 77002

LOCAL OFFICE: 6700 WEST BENT STREET 11144

| SYSTEM INFO |        |       |        |
|-------------|--------|-------|--------|
| SYSTEM      | SYSTEM | LOCAL | SYSTEM |
| NAME        | TYPE   | SIZE  | AREA   |
|             |        |       |        |

THE GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

SCALE -  
AS NOTED  
DUAL R+  
R. TITRONS  
COLLECTED BY:

|                                                            |  |     |
|------------------------------------------------------------|--|-----|
| ABBREVIATIONS<br>100 BUTTON OF BLANK<br>101 BUTTON OF CIRC |  | APP |
|------------------------------------------------------------|--|-----|

ROVALS

|  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
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STANDPES N STARS 4, 5, 7,  
MODULES DESIGN DATA

NOISE & VIB PREPARED AT:  
DALLAS CENTRAL DESIGN

|     |                       |        |
|-----|-----------------------|--------|
| EDP | EDITION OF FIVE       | RE J I |
| FOR | FEBL CLPP, CONNECTION |        |
| WZ  | WEE LANE              |        |
| NAC | ADDPZ AND EOP         |        |
| NIC | N20 IN CONTRAST       |        |
| WZ  | WZ IN CELL            |        |

SIONS

**SUBJECT:** [REDACTED]  
**REFERENCE:** [REDACTED]

FORMULEA DESTINATA PER IL CALCOLO DELLA CAPACITA' DI CARICA  
 CONSIDERANDO CHE IL CARICO E' IN UNO DEI SEGUENTI CASI:  
 1. CARICO IN UNO DEI SEGUENTI CASI: 1. CARICO IN UNO DEI SEGUENTI CASI:  
 2. CARICO IN UNO DEI SEGUENTI CASI: 2. CARICO IN UNO DEI SEGUENTI CASI:  
 3. CARICO IN UNO DEI SEGUENTI CASI: 3. CARICO IN UNO DEI SEGUENTI CASI:  
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 5. CARICO IN UNO DEI SEGUENTI CASI: 5. CARICO IN UNO DEI SEGUENTI CASI:  
 6. CARICO IN UNO DEI SEGUENTI CASI: 6. CARICO IN UNO DEI SEGUENTI CASI:  
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ENCLOSURE DEPARTMENT  
CONTACT HQ  
027.427841 AI

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|-----|-------------|---|---------|---------------------|
| SP  | STANISLAVE  | 2 | 8-01-00 | TB: ELIMINATED RISK |
| ICB | ICB OF PLAN |   |         |                     |

MAINFOLD STAIR, SEP 12 1964

100-443888-100

NO. 1000

DATE 6/17/2000  
DRAWING NO. EP-4

|     |            |     |         |    |                  |
|-----|------------|-----|---------|----|------------------|
| 100 | 100 OF 100 | 1   | 0-30-00 | 10 | GENERAL REVISION |
| 101 | 101 OF 101 | 101 | DATE    | BY | REVISION 0150    |
| 102 | 102 OF 102 | 102 | DATE    | BY | REVISION 0150    |

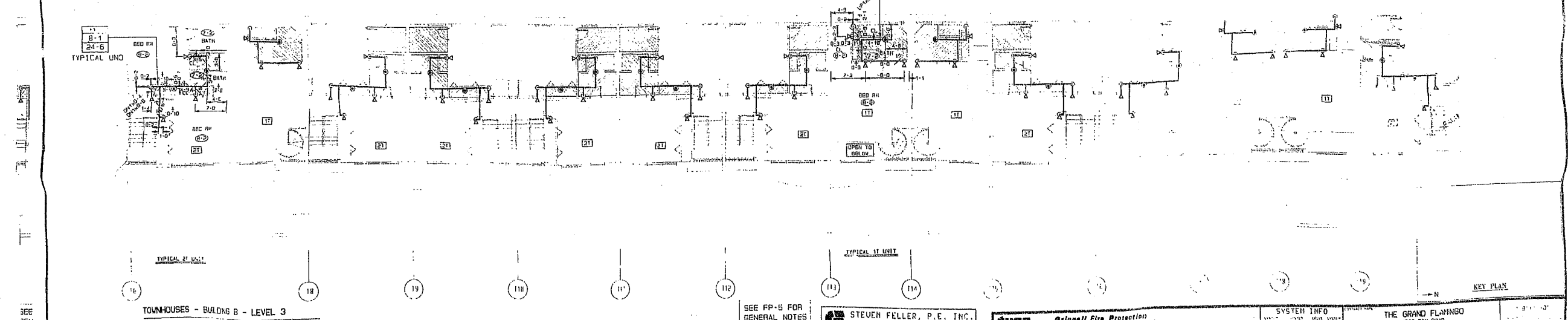
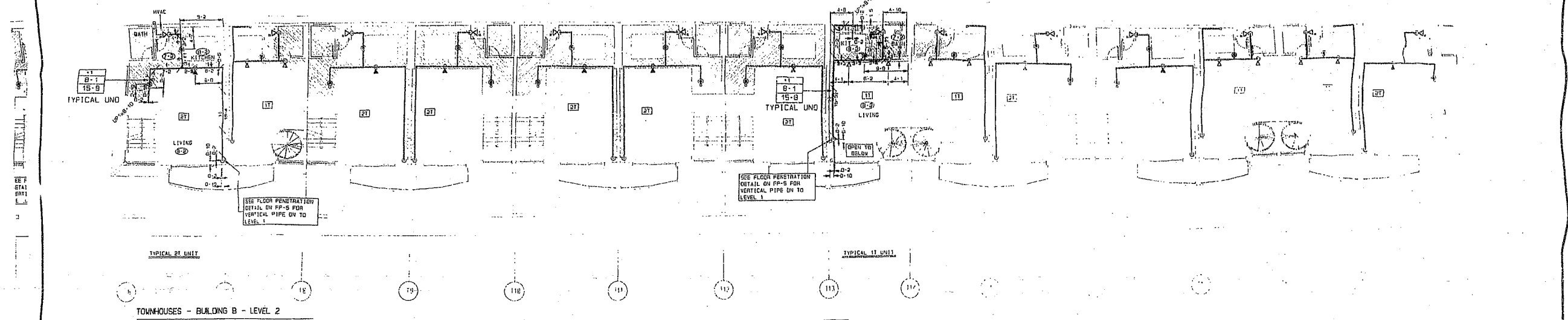
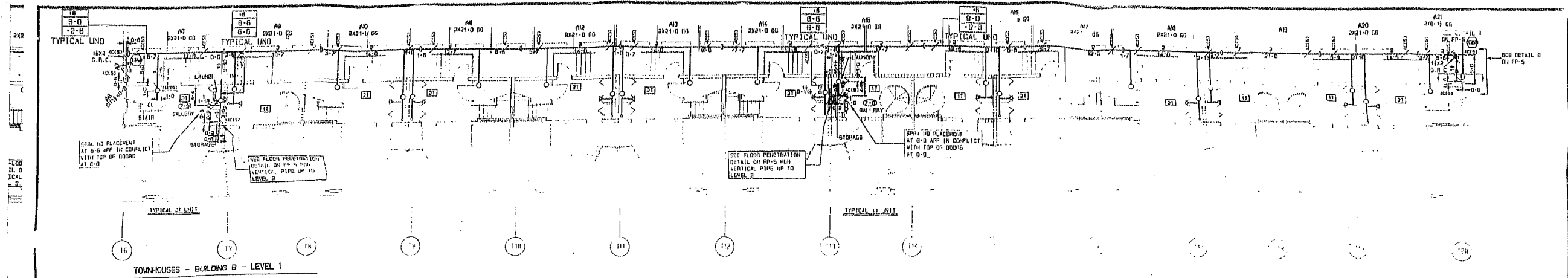
SECTION

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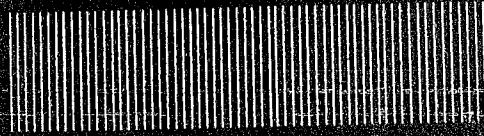
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| <p>SEE PLAN AND</p> | <p>CONTRACT RESPONSIBILITIES</p> | <p>SYMBOLS</p> | <p>SPRINKLERS/NOZZLES</p> | <p>ABBREVIATIONS</p> | <p>THE GRAND FLAMINGO<br/>500 BAY ROAD<br/>MIAMI BEACH, FLORIDA</p> |
|---------------------|----------------------------------|----------------|---------------------------|----------------------|---------------------------------------------------------------------|

LASON SYSTEM'S INC. S.E.

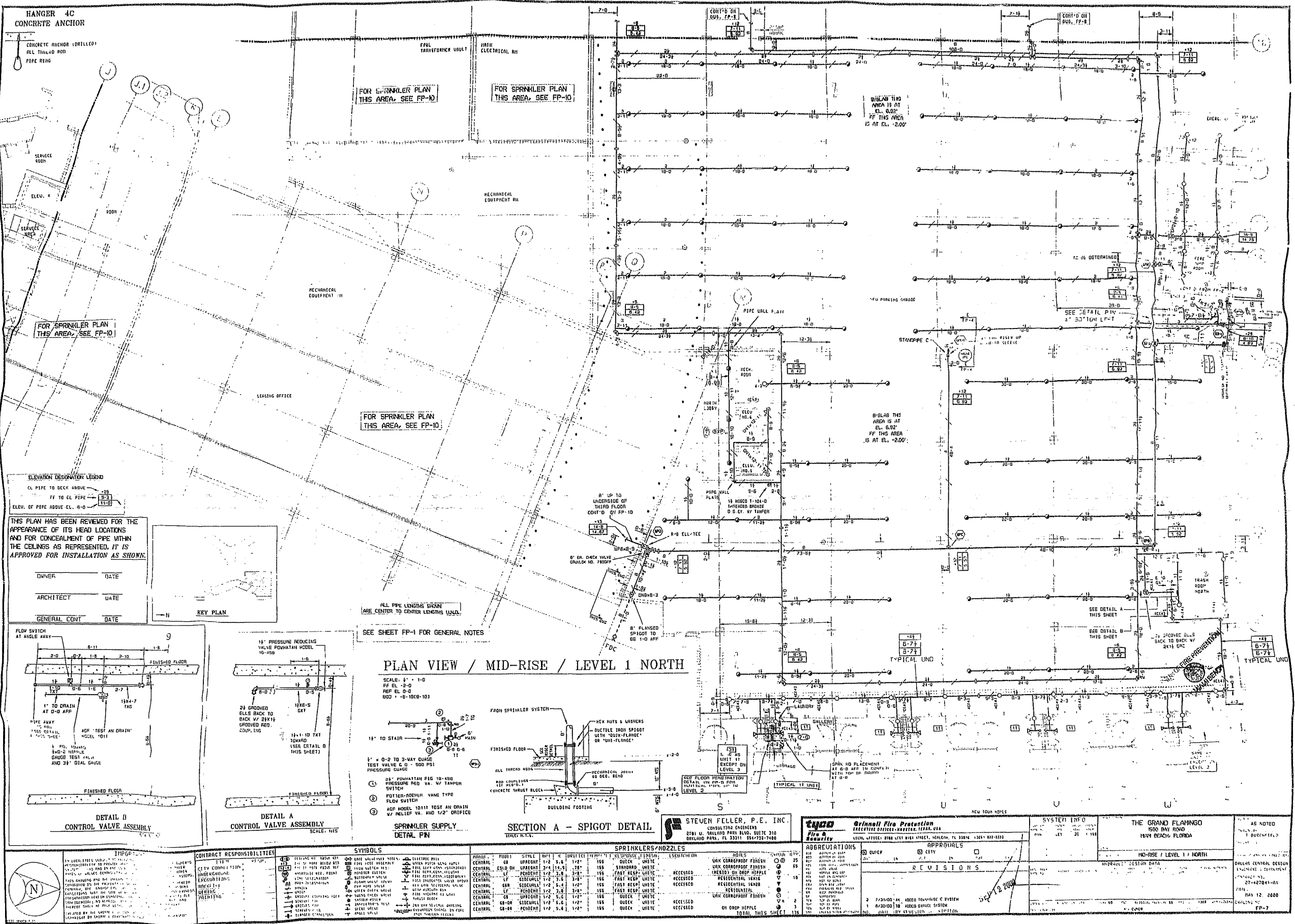
6951 N.W. 12 STREET, MIAMI, FLORIDA 33126  
305-477-9149 • 800-237-4799 • FAX 305-477-7576

# PREVIOUS DOCUMENT

IS  
a photocopy in poor  
condition



FC 017

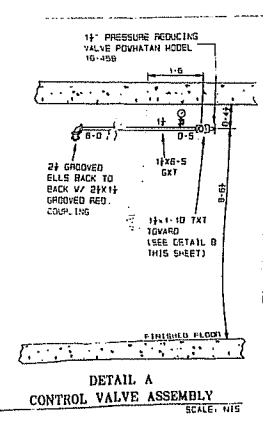
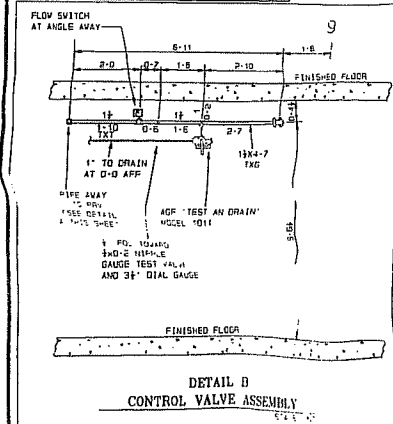


ELEVATION DESIGNATION LEGEND  
CL PIPE TO DECK ABOVE  
FF TO CL PIPE  
ELEV. OF PIPE ABOVE CL. 6'-0"

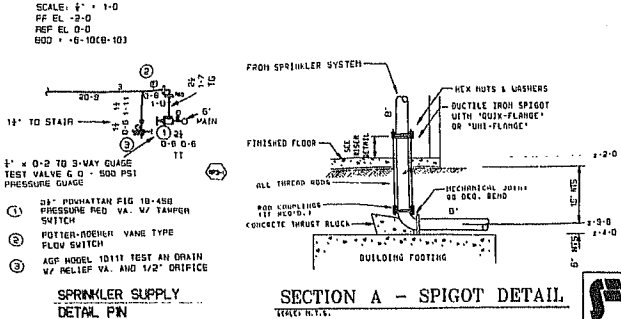
THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILINGS AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

OWNER \_\_\_\_\_ DATE \_\_\_\_\_  
ARCHITECT \_\_\_\_\_ DATE \_\_\_\_\_  
GENERAL CONT. \_\_\_\_\_ DATE \_\_\_\_\_

KEY PLAN



PLAN VIEW / MID-RISE / LEVEL 1 NORTH



NOTES

1. IN ALL CASES, THE SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NFPA 13, 14, 20, 25, 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.

CONTRACT RESPONSIBILITIES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE SPRINKLER SYSTEM IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NFPA 13, 14, 20, 25, 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.

SYMBOLS

1. SPRINKLER HEAD  
2. VALVE  
3. PIPE  
4. FITTING  
5. HANGAR  
6. ANCHOR  
7. RING  
8. BOLT  
9. NUT  
10. WASHER  
11. PLATE  
12. BRACKET  
13. CLAMP  
14. BAND  
15. STRAP  
16. CHAIN  
17. SHOCK  
18. CABLE  
19. ROPE  
20. RIGGING  
21. SLING  
22. LIFTING  
23. HOISTING  
24. MOVING  
25. POSITIONING

SPRINKLER NOZZLES

1. UL-100  
2. UL-150  
3. UL-200  
4. UL-250  
5. UL-300  
6. UL-350  
7. UL-400  
8. UL-450  
9. UL-500  
10. UL-550  
11. UL-600  
12. UL-650  
13. UL-700  
14. UL-750  
15. UL-800  
16. UL-850  
17. UL-900  
18. UL-950  
19. UL-1000  
20. UL-1050  
21. UL-1100  
22. UL-1150  
23. UL-1200  
24. UL-1250  
25. UL-1300

STEVEN FELLER, P.E. INC.

CONSULTING ENGINEERS  
2801 W. BALLBOY PARK BLVD., SUITE 310  
DALLAS, TEXAS 75243-1000  
PHONE: (214) 343-7200  
FAX: (214) 343-7201

ABBREVIATIONS

1. UL-100  
2. UL-150  
3. UL-200  
4. UL-250  
5. UL-300  
6. UL-350  
7. UL-400  
8. UL-450  
9. UL-500  
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18. UL-950  
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22. UL-1150  
23. UL-1200  
24. UL-1250  
25. UL-1300

SYSTEM INFO

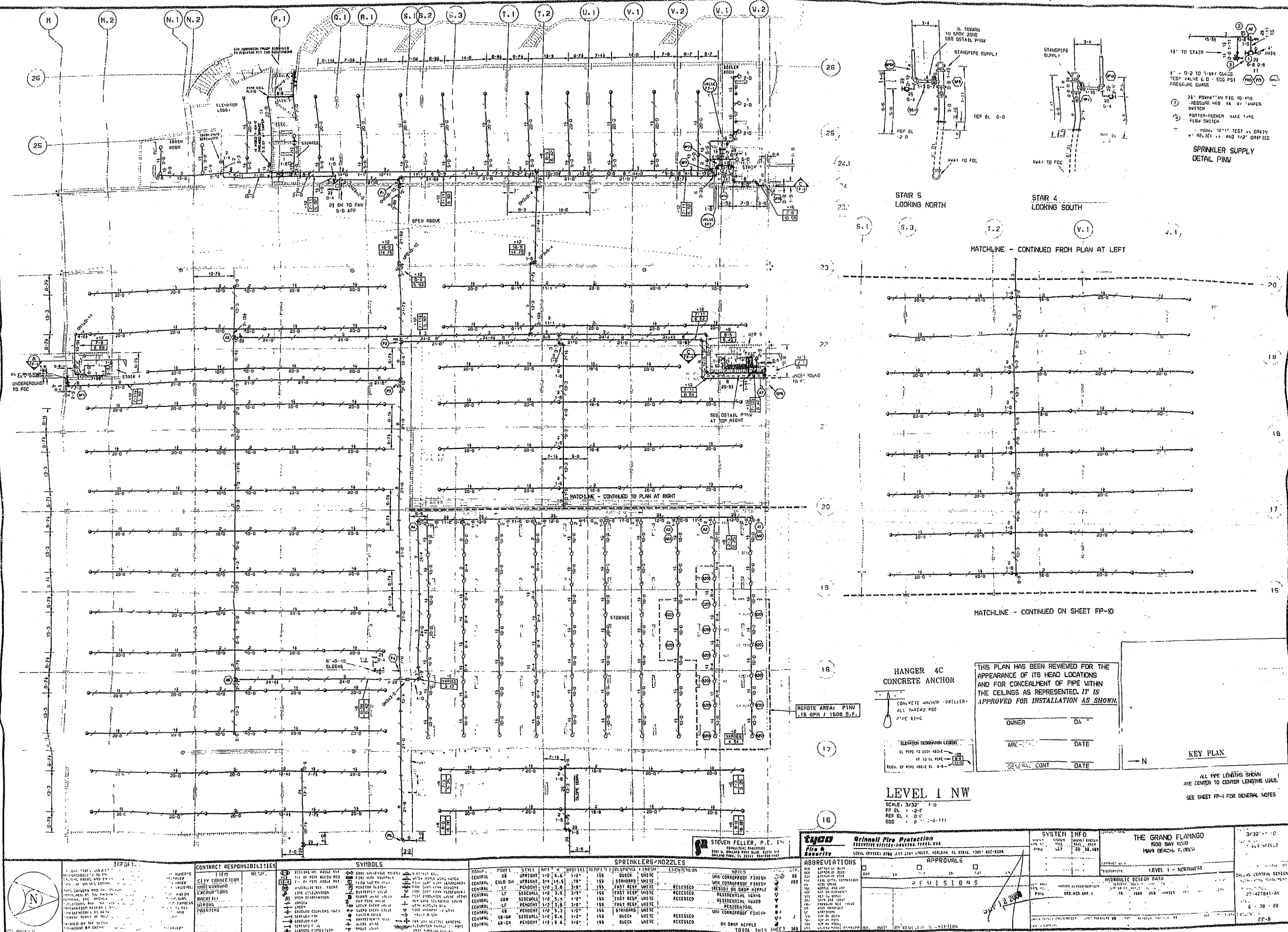
1. SYSTEM TYPE  
2. SYSTEM SIZE  
3. SYSTEM PRESSURE  
4. SYSTEM FLOW RATE  
5. SYSTEM HEAD LOSS  
6. SYSTEM RISE  
7. SYSTEM FALL  
8. SYSTEM GRADE  
9. SYSTEM ELEVATION  
10. SYSTEM LOCATION

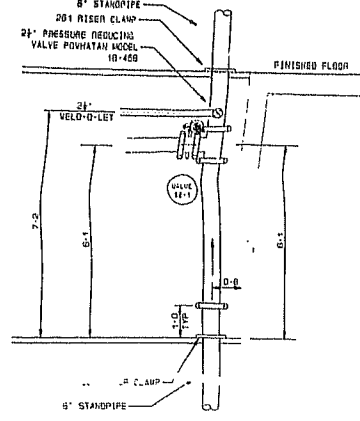
THE GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

NO-RISE / LEVEL 1 / NORTH

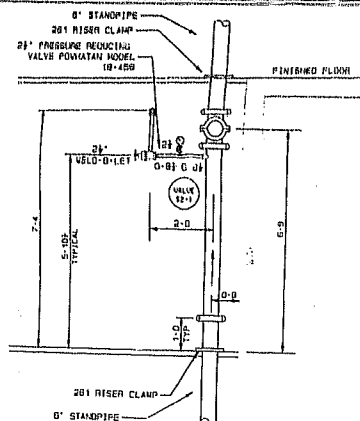
REVISIONS

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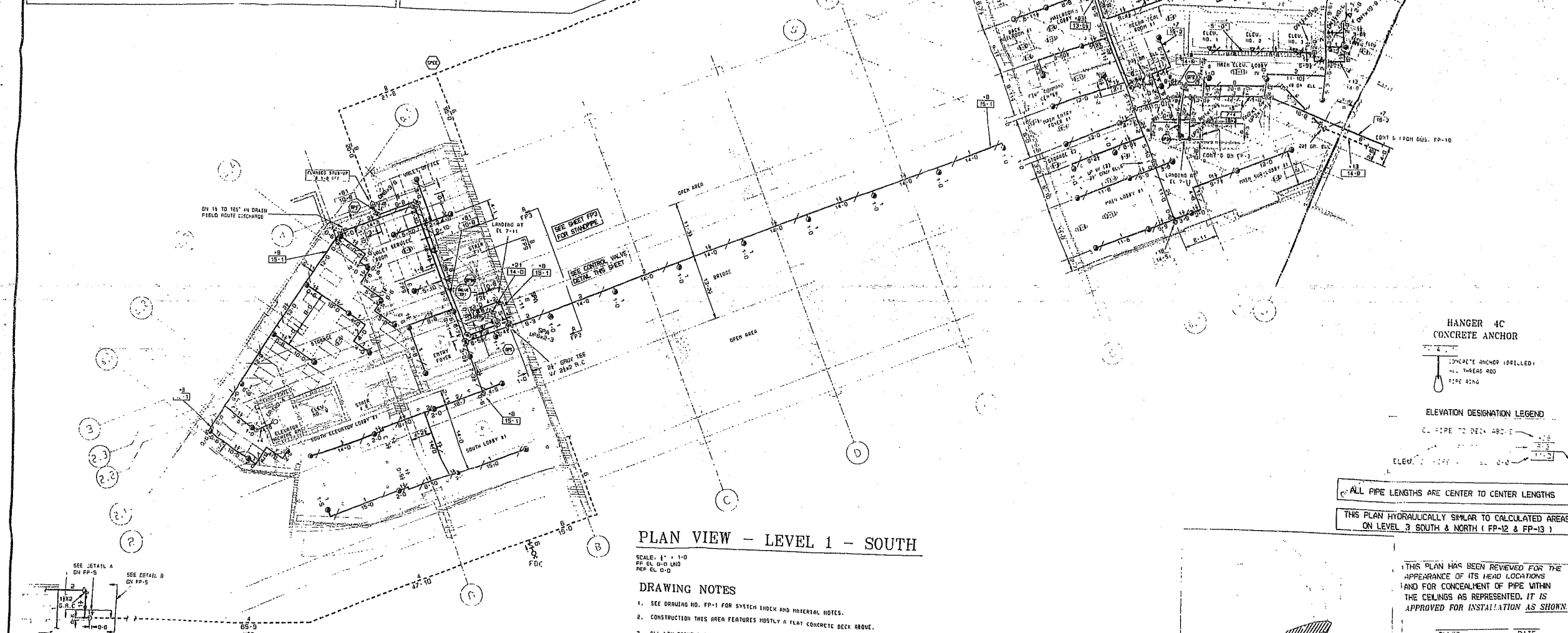




STAIR 1  
FLOOR CONTROL VALVE ASSEMBLY  
SCALE: NTS



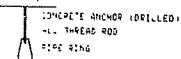
STAIR 2  
FLOOR CONTROL VALVE ASSEMBLY  
SCALE: NTS



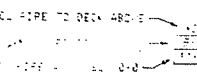
PLAN VIEW - LEVEL 1 - SOUTH

- SCALE: 1" = 1'-0"  
PP: 1/2" O.D. AND  
REF: 1/2" O.D.
- DRAWING NOTES**
- SEE DRAWING NO. FP-1 FOR SYSTEM INCH AND MATERIAL NOTES.
  - CONSTRUCTION THIS AREA FEATURES MOSTLY A FLAT CONCRETE DECK ABOVE.
  - ALL LOW POINT DRAINS TO BE FIELD PIPED TO SAFE POINT OF DISCHARGE WHERE REQUIRED.

HANGER 4C  
CONCRETE ANCHOR



ELEVATION DESIGNATION LEGEND



ALL PIPE LENGTHS ARE CENTER TO CENTER LENGTHS

THIS PLAN HYDRAULICALLY SIMILAR TO CALCULATED AREAS ON LEVEL 3 SOUTH & NORTH (FP-12 & FP-13)

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 \_\_\_\_\_

DESIGNER \_\_\_\_\_ DATE \_\_\_\_\_

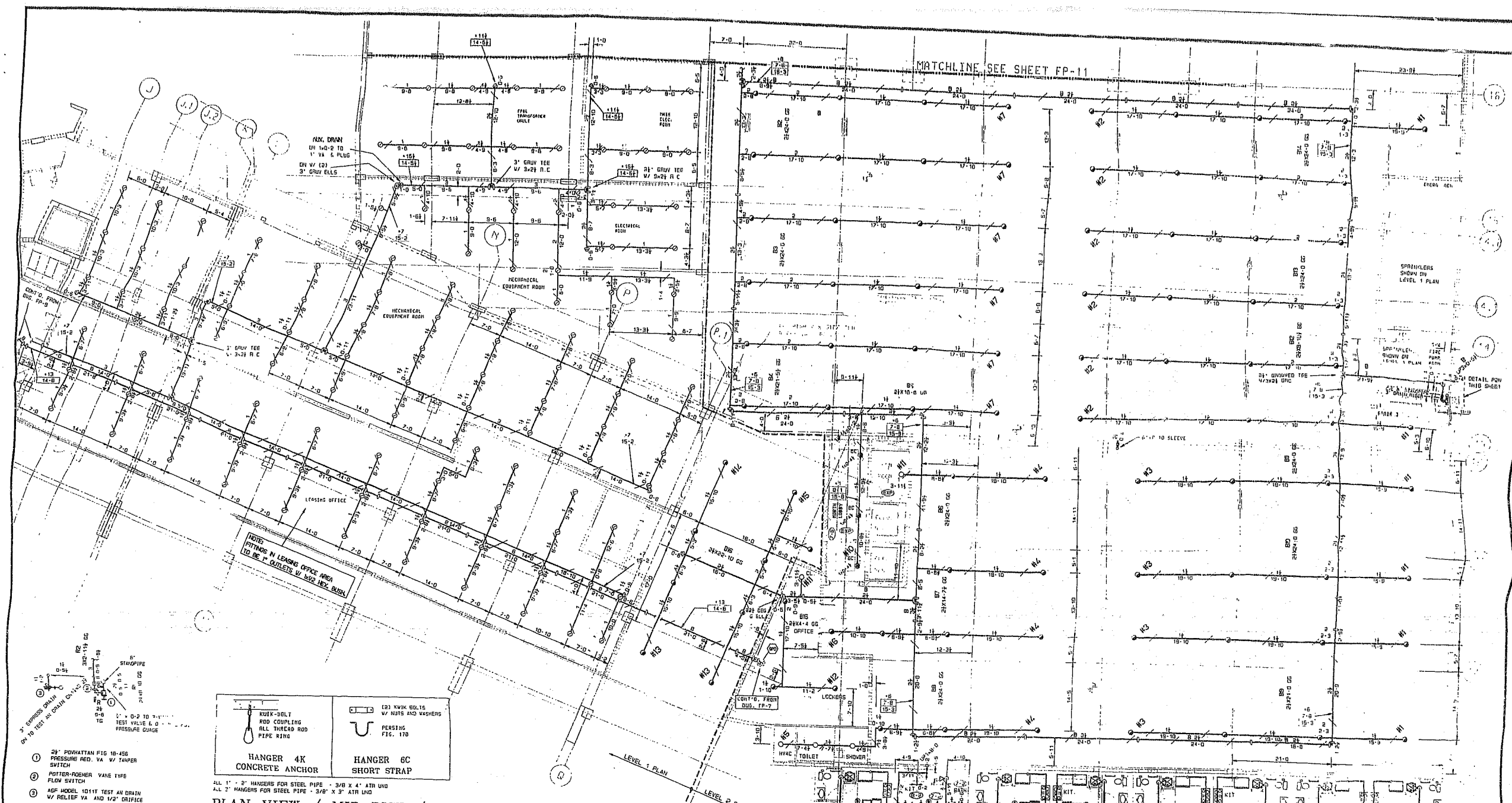
DATE \_\_\_\_\_

KEY PLAN

TOWNHOUSE BUILDING B

SEE SHEET FP-1

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| <p><b>SYMBOLS</b></p> <p>1" = 1'-0"</p> <p>2" = 2'-0"</p> <p>3" = 3'-0"</p> <p>4" = 4'-0"</p> <p>6" = 6'-0"</p> <p>8" = 8'-0"</p> <p>10" = 10'-0"</p> <p>12" = 12'-0"</p> <p>14" = 14'-0"</p> <p>16" = 16'-0"</p> <p>18" = 18'-0"</p> <p>20" = 20'-0"</p> <p>22" = 22'-0"</p> <p>24" = 24'-0"</p> <p>26" = 26'-0"</p> <p>28" = 28'-0"</p> <p>30" = 30'-0"</p> <p>32" = 32'-0"</p> <p>34" = 34'-0"</p> <p>36" = 36'-0"</p> <p>38" = 38'-0"</p> <p>40" = 40'-0"</p> <p>42" = 42'-0"</p> <p>44" = 44'-0"</p> <p>46" = 46'-0"</p> <p>48" = 48'-0"</p> <p>50" = 50'-0"</p> <p>52" = 52'-0"</p> <p>54" = 54'-0"</p> <p>56" = 56'-0"</p> <p>58" = 58'-0"</p> <p>60" = 60'-0"</p> <p>62" = 62'-0"</p> <p>64" = 64'-0"</p> <p>66" = 66'-0"</p> <p>68" = 68'-0"</p> <p>70" = 70'-0"</p> <p>72" = 72'-0"</p> <p>74" = 74'-0"</p> <p>76" = 76'-0"</p> <p>78" = 78'-0"</p> <p>80" = 80'-0"</p> <p>82" = 82'-0"</p> <p>84" = 84'-0"</p> <p>86" = 86'-0"</p> <p>88" = 88'-0"</p> <p>90" = 90'-0"</p> <p>92" = 92'-0"</p> <p>94" = 94'-0"</p> <p>96" = 96'-0"</p> <p>98" = 98'-0"</p> <p>100" = 100'-0"</p> | <p><b>CONTRACT RESPONSIBILITIES</b></p> <p>OWNER: THE GRAND FLAMINGO</p> <p>DESIGNER: STEVEN FELLER, P.E. INC.</p> <p>INSTALLER: [blank]</p> | <p><b>SPRINKLERS/NOZZLES</b></p> <p>1" = 1'-0"</p> <p>2" = 2'-0"</p> <p>3" = 3'-0"</p> <p>4" = 4'-0"</p> <p>6" = 6'-0"</p> <p>8" = 8'-0"</p> <p>10" = 10'-0"</p> <p>12" = 12'-0"</p> <p>14" = 14'-0"</p> <p>16" = 16'-0"</p> <p>18" = 18'-0"</p> <p>20" = 20'-0"</p> <p>22" = 22'-0"</p> <p>24" = 24'-0"</p> <p>26" = 26'-0"</p> <p>28" = 28'-0"</p> <p>30" = 30'-0"</p> <p>32" = 32'-0"</p> <p>34" = 34'-0"</p> <p>36" = 36'-0"</p> <p>38" = 38'-0"</p> <p>40" = 40'-0"</p> <p>42" = 42'-0"</p> <p>44" = 44'-0"</p> <p>46" = 46'-0"</p> <p>48" = 48'-0"</p> <p>50" = 50'-0"</p> <p>52" = 52'-0"</p> <p>54" = 54'-0"</p> <p>56" = 56'-0"</p> <p>58" = 58'-0"</p> <p>60" = 60'-0"</p> <p>62" = 62'-0"</p> <p>64" = 64'-0"</p> <p>66" = 66'-0"</p> <p>68" = 68'-0"</p> <p>70" = 70'-0"</p> <p>72" = 72'-0"</p> <p>74" = 74'-0"</p> <p>76" = 76'-0"</p> <p>78" = 78'-0"</p> <p>80" = 80'-0"</p> <p>82" = 82'-0"</p> <p>84" = 84'-0"</p> <p>86" = 86'-0"</p> <p>88" = 88'-0"</p> <p>90" = 90'-0"</p> <p>92" = 92'-0"</p> <p>94" = 94'-0"</p> <p>96" = 96'-0"</p> <p>98" = 98'-0"</p> <p>100" = 100'-0"</p> | <p><b>ABBREVIATIONS</b></p> <p>1" = 1'-0"</p> <p>2" = 2'-0"</p> <p>3" = 3'-0"</p> <p>4" = 4'-0"</p> <p>6" = 6'-0"</p> <p>8" = 8'-0"</p> <p>10" = 10'-0"</p> <p>12" = 12'-0"</p> <p>14" = 14'-0"</p> <p>16" = 16'-0"</p> <p>18" = 18'-0"</p> <p>20" = 20'-0"</p> <p>22" = 22'-0"</p> <p>24" = 24'-0"</p> <p>26" = 26'-0"</p> <p>28" = 28'-0"</p> <p>30" = 30'-0"</p> <p>32" = 32'-0"</p> <p>34" = 34'-0"</p> <p>36" = 36'-0"</p> <p>38" = 38'-0"</p> <p>40" = 40'-0"</p> <p>42" = 42'-0"</p> <p>44" = 44'-0"</p> <p>46" = 46'-0"</p> <p>48" = 48'-0"</p> <p>50" = 50'-0"</p> <p>52" = 52'-0"</p> <p>54" = 54'-0"</p> <p>56" = 56'-0"</p> <p>58" = 58'-0"</p> <p>60" = 60'-0"</p> <p>62" = 62'-0"</p> <p>64" = 64'-0"</p> <p>66" = 66'-0"</p> <p>68" = 68'-0"</p> <p>70" = 70'-0"</p> <p>72" = 72'-0"</p> <p>74" = 74'-0"</p> <p>76" = 76'-0"</p> <p>78" = 78'-0"</p> <p>80" = 80'-0"</p> <p>82" = 82'-0"</p> <p>84" = 84'-0"</p> <p>86" = 86'-0"</p> <p>88" = 88'-0"</p> <p>90" = 90'-0"</p> <p>92" = 92'-0"</p> <p>94" = 94'-0"</p> <p>96" = 96'-0"</p> <p>98" = 98'-0"</p> <p>100" = 100'-0"</p> | <p><b>NOTES</b></p> <p>1. [blank]</p> <p>2. [blank]</p> <p>3. [blank]</p> <p>4. [blank]</p> <p>5. [blank]</p> <p>6. [blank]</p> <p>7. [blank]</p> <p>8. [blank]</p> <p>9. [blank]</p> <p>10. [blank]</p> <p>11. [blank]</p> <p>12. [blank]</p> <p>13. [blank]</p> <p>14. [blank]</p> <p>15. [blank]</p> <p>16. [blank]</p> <p>17. [blank]</p> <p>18. [blank]</p> <p>19. [blank]</p> <p>20. [blank]</p> <p>21. [blank]</p> <p>22. [blank]</p> <p>23. [blank]</p> <p>24. [blank]</p> <p>25. [blank]</p> <p>26. [blank]</p> <p>27. [blank]</p> <p>28. [blank]</p> <p>29. [blank]</p> <p>30. [blank]</p> <p>31. [blank]</p> <p>32. [blank]</p> <p>33. [blank]</p> <p>34. [blank]</p> <p>35. [blank]</p> <p>36. [blank]</p> <p>37. [blank]</p> <p>38. [blank]</p> <p>39. [blank]</p> <p>40. [blank]</p> <p>41. [blank]</p> <p>42. [blank]</p> <p>43. [blank]</p> <p>44. [blank]</p> <p>45. [blank]</p> <p>46. [blank]</p> <p>47. [blank]</p> <p>48. [blank]</p> <p>49. [blank]</p> <p>50. [blank]</p> <p>51. [blank]</p> <p>52. [blank]</p> <p>53. [blank]</p> <p>54. [blank]</p> <p>55. [blank]</p> <p>56. [blank]</p> <p>57. [blank]</p> <p>58. [blank]</p> <p>59. [blank]</p> <p>60. [blank]</p> <p>61. [blank]</p> <p>62. [blank]</p> <p>63. [blank]</p> <p>64. [blank]</p> <p>65. [blank]</p> <p>66. [blank]</p> <p>67. [blank]</p> <p>68. [blank]</p> <p>69. [blank]</p> <p>70. [blank]</p> <p>71. [blank]</p> <p>72. [blank]</p> <p>73. [blank]</p> <p>74. [blank]</p> <p>75. [blank]</p> <p>76. [blank]</p> <p>77. [blank]</p> <p>78. [blank]</p> <p>79. [blank]</p> <p>80. [blank]</p> <p>81. [blank]</p> <p>82. [blank]</p> <p>83. [blank]</p> <p>84. [blank]</p> <p>85. [blank]</p> <p>86. [blank]</p> <p>87. [blank]</p> <p>88. [blank]</p> <p>89. [blank]</p> <p>90. [blank]</p> <p>91. [blank]</p> <p>92. [blank]</p> <p>93. [blank]</p> <p>94. [blank]</p> <p>95. [blank]</p> <p>96. [blank]</p> <p>97. [blank]</p> <p>98. [blank]</p> <p>99. [blank]</p> <p>100. [blank]</p> | <p><b>APPROVALS</b></p> <p>OWNER: [blank]</p> <p>DESIGNER: [blank]</p> <p>INSTALLER: [blank]</p> | <p><b>SYSTEM INFO</b></p> <p>1. [blank]</p> <p>2. [blank]</p> <p>3. [blank]</p> <p>4. [blank]</p> <p>5. [blank]</p> <p>6. [blank]</p> <p>7. [blank]</p> <p>8. [blank]</p> <p>9. [blank]</p> <p>10. [blank]</p> <p>11. [blank]</p> <p>12. [blank]</p> <p>13. [blank]</p> <p>14. [blank]</p> <p>15. [blank]</p> <p>16. [blank]</p> <p>17. [blank]</p> <p>18. [blank]</p> <p>19. [blank]</p> <p>20. [blank]</p> <p>21. [blank]</p> <p>22. [blank]</p> <p>23. [blank]</p> <p>24. [blank]</p> <p>25. [blank]</p> <p>26. [blank]</p> <p>27. [blank]</p> <p>28. [blank]</p> <p>29. [blank]</p> <p>30. [blank]</p> <p>31. [blank]</p> <p>32. [blank]</p> <p>33. [blank]</p> <p>34. [blank]</p> <p>35. [blank]</p> <p>36. [blank]</p> <p>37. [blank]</p> <p>38. [blank]</p> <p>39. [blank]</p> <p>40. [blank]</p> <p>41. [blank]</p> <p>42. [blank]</p> <p>43. [blank]</p> <p>44. [blank]</p> <p>45. [blank]</p> <p>46. [blank]</p> <p>47. [blank]</p> <p>48. [blank]</p> <p>49. [blank]</p> <p>50. [blank]</p> <p>51. [blank]</p> <p>52. [blank]</p> <p>53. [blank]</p> <p>54. [blank]</p> <p>55. [blank]</p> <p>56. [blank]</p> <p>57. [blank]</p> <p>58. [blank]</p> <p>59. [blank]</p> <p>60. [blank]</p> <p>61. [blank]</p> <p>62. [blank]</p> <p>63. [blank]</p> <p>64. [blank]</p> <p>65. [blank]</p> <p>66. [blank]</p> <p>67. [blank]</p> <p>68. [blank]</p> <p>69. [blank]</p> <p>70. [blank]</p> <p>71. [blank]</p> <p>72. [blank]</p> <p>73. [blank]</p> <p>74. [blank]</p> <p>75. [blank]</p> <p>76. [blank]</p> <p>77. [blank]</p> <p>78. [blank]</p> <p>79. [blank]</p> <p>80. [blank]</p> <p>81. [blank]</p> <p>82. [blank]</p> <p>83. [blank]</p> <p>84. [blank]</p> <p>85. [blank]</p> <p>86. [blank]</p> <p>87. [blank]</p> <p>88. [blank]</p> <p>89. [blank]</p> <p>90. [blank]</p> <p>91. [blank]</p> <p>92. [blank]</p> <p>93. [blank]</p> <p>94. [blank]</p> <p>95. [blank]</p> <p>96. [blank]</p> <p>97. [blank]</p> <p>98. [blank]</p> <p>99. [blank]</p> <p>100. [blank]</p> | <p><b>THE GRAND FLAMINGO</b></p> <p>1500 BAY ROAD</p> <p>MIAMI BEACH, FL 33139</p> <p>DATE: 10/1/2000</p> <p>BY: [blank]</p> <p>FOR: [blank]</p> |
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**PLAN VIEW / MID-RISE / LEVEL 1 NORTH  
PARKING LEVEL 2 NORTH**

SCALE: 1" = 1'-0"  
FP EL. 12'-0"  
RIP EL. 11'-0"  
RIP EL. 10'-0"

**KEY PLAN**

**NOTES:**

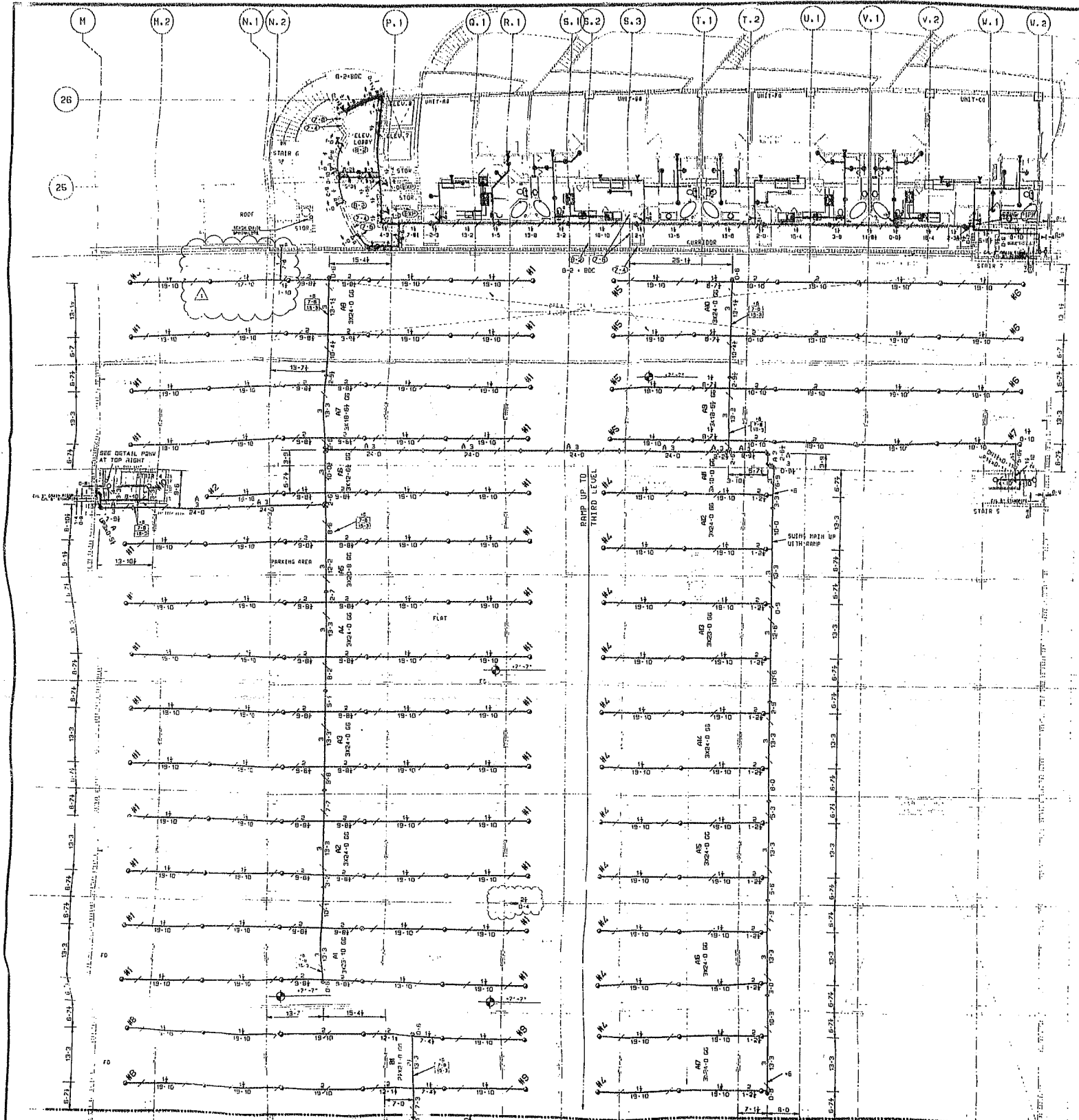
- 1. ALL EXPOSED PIPE TO BE 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN.
- 2. ALL EXPOSED PIPE TO BE 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN.
- 3. ALL EXPOSED PIPE TO BE 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN.

**GENERAL NOTES:**

- 1. ALL EXPOSED PIPE TO BE 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN.
- 2. ALL EXPOSED PIPE TO BE 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN.
- 3. ALL EXPOSED PIPE TO BE 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN AND 3/4" ON 1" IN 1" IN.

**THE LEVEL 1 MID-RISE PLAN IS HYDRAULICALLY SIMILAR TO CALCULATED AREAS ON LEVEL 3 SOUTH & NORTH (FP-12 & FP-13)**

| GENERAL NOTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DATE                                                                                                                                                                                                                                                                                                                                                                                           | GENERAL NOTES | CALCULATED AREAS<br>ON LEVEL 3 SOUTH & NORTH (FP-12 & FP-13) | STEVEN FELLER, P.E. INC.<br>CONSULTING ENGINEER<br>2701 G. GRILLARD PARK DRIVE, SUITE 310<br>MIAMI BEACH, FL 33131 305-793-7400 | CADD<br>Fire & Security<br>Grinnell Fire Protection<br>11000 N.W. 22nd Avenue, Suite 100<br>Miami, FL 33187 305-551-1100 | SYSTEM INFO | THE GRAND FLAMINGO<br>1500 BAY ROAD<br>MIAMI BEACH, FLORIDA |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------|--------------|-------|--------------|-------|-------------|-------|--------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|------------------------------|---------------------------|--------------------------|-----------------------|-------------------|----------------|----------|-------|---------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|-------------|--------------|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|--------------|-----------|--------------|-----------|--------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|--------------|-----------|--------------|-----------|--------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|--------------|-----------|--------------|-----------|--------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>IMPORTANT</b></p> <p>THESE PLANS ARE SUBJECT TO THE FOLLOWING CONDITIONS:</p> <ol style="list-style-type: none"> <li>1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.</li> <li>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.</li> <li>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.</li> </ol> | <p><b>CONTRACT RESPONSIBILITIES</b></p> <table> <tr> <th>ITEM</th><th>RESPONSIBILITY</th></tr> <tr> <td>1. CITY CONNECTION</td><td>OWNER</td></tr> <tr> <td>2. PERMITS</td><td>OWNER</td></tr> <tr> <td>3. INSURANCE</td><td>OWNER</td></tr> <tr> <td>4. UTILITIES</td><td>OWNER</td></tr> <tr> <td>5. ERECTION</td><td>OWNER</td></tr> <tr> <td>6. FINISHING</td><td>OWNER</td></tr> </table> | ITEM          | RESPONSIBILITY                                               | 1. CITY CONNECTION                                                                                                              | OWNER                                                                                                                    | 2. PERMITS  | OWNER                                                       | 3. INSURANCE | OWNER | 4. UTILITIES | OWNER | 5. ERECTION | OWNER | 6. FINISHING | OWNER | <p><b>SYMBOLS</b></p> <table> <tr> <th>SYMBOL</th><th>DESCRIPTION</th></tr> <tr> <td>1. HANGER 4K CONCRETE ANCHOR</td><td>HANGER 4K CONCRETE ANCHOR</td></tr> <tr> <td>2. HANGER 6C SHORT STRAP</td><td>HANGER 6C SHORT STRAP</td></tr> <tr> <td>3. SPRINKLER HEAD</td><td>SPRINKLER HEAD</td></tr> <tr> <td>4. VALVE</td><td>VALVE</td></tr> <tr> <td>5. PIPE</td><td>PIPE</td></tr> </table> | SYMBOL | DESCRIPTION | 1. HANGER 4K CONCRETE ANCHOR | HANGER 4K CONCRETE ANCHOR | 2. HANGER 6C SHORT STRAP | HANGER 6C SHORT STRAP | 3. SPRINKLER HEAD | SPRINKLER HEAD | 4. VALVE | VALVE | 5. PIPE | PIPE | <p><b>SPRINKLERS/NOZZLES</b></p> <table> <tr> <th>SPRINKLER</th><th>NOZZLE</th><th>DESCRIPTION</th></tr> <tr> <td>1. 1/2" K-16</td><td>1/2" K-16</td><td>1/2" K-16</td></tr> <tr> <td>2. 1/2" K-16</td><td>1/2" K-16</td><td>1/2" K-16</td></tr> <tr> <td>3. 1/2" K-16</td><td>1/2" K-16</td><td>1/2" K-16</td></tr> </table> | SPRINKLER | NOZZLE | DESCRIPTION | 1. 1/2" K-16 | 1/2" K-16 | 1/2" K-16 | 2. 1/2" K-16 | 1/2" K-16 | 1/2" K-16 | 3. 1/2" K-16 | 1/2" K-16 | 1/2" K-16 | <p><b>ABBREVIATIONS</b></p> <table> <tr> <th>ABBREVIATION</th><th>DESCRIPTION</th></tr> <tr> <td>1. 1/2" K-16</td><td>1/2" K-16</td></tr> <tr> <td>2. 1/2" K-16</td><td>1/2" K-16</td></tr> <tr> <td>3. 1/2" K-16</td><td>1/2" K-16</td></tr> </table> | ABBREVIATION | DESCRIPTION | 1. 1/2" K-16 | 1/2" K-16 | 2. 1/2" K-16 | 1/2" K-16 | 3. 1/2" K-16 | 1/2" K-16 | <p><b>APPROVALS</b></p> <table> <tr> <th>APPROVAL</th><th>DATE</th></tr> <tr> <td>1. 1/2" K-16</td><td>1/2" K-16</td></tr> <tr> <td>2. 1/2" K-16</td><td>1/2" K-16</td></tr> <tr> <td>3. 1/2" K-16</td><td>1/2" K-16</td></tr> </table> | APPROVAL | DATE | 1. 1/2" K-16 | 1/2" K-16 | 2. 1/2" K-16 | 1/2" K-16 | 3. 1/2" K-16 | 1/2" K-16 | <p><b>SYSTEM INFO</b></p> <table> <tr> <th>SYSTEM</th><th>DESCRIPTION</th></tr> <tr> <td>1. 1/2" K-16</td><td>1/2" K-16</td></tr> <tr> <td>2. 1/2" K-16</td><td>1/2" K-16</td></tr> <tr> <td>3. 1/2" K-16</td><td>1/2" K-16</td></tr> </table> | SYSTEM | DESCRIPTION | 1. 1/2" K-16 | 1/2" K-16 | 2. 1/2" K-16 | 1/2" K-16 | 3. 1/2" K-16 | 1/2" K-16 | <p><b>THE GRAND FLAMINGO</b></p> <p>1500 BAY ROAD<br/>MIAMI BEACH, FLORIDA</p> <p>HYDRAULIC DESIGN DATA</p> <p>DATE: JUN 30, 2000</p> <p>PP-10</p> |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RESPONSIBILITY                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 1. CITY CONNECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OWNER                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 2. PERMITS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OWNER                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 3. INSURANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OWNER                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 4. UTILITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OWNER                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 5. ERECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OWNER                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 6. FINISHING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OWNER                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| SYMBOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                    |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 1. HANGER 4K CONCRETE ANCHOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | HANGER 4K CONCRETE ANCHOR                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 2. HANGER 6C SHORT STRAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | HANGER 6C SHORT STRAP                                                                                                                                                                                                                                                                                                                                                                          |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 3. SPRINKLER HEAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SPRINKLER HEAD                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 4. VALVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | VALVE                                                                                                                                                                                                                                                                                                                                                                                          |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 5. PIPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIPE                                                                                                                                                                                                                                                                                                                                                                                           |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| SPRINKLER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NOZZLE                                                                                                                                                                                                                                                                                                                                                                                         | DESCRIPTION   |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 1. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      | 1/2" K-16     |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 2. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      | 1/2" K-16     |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 3. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      | 1/2" K-16     |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| ABBREVIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                    |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 1. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 2. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 3. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| APPROVAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DATE                                                                                                                                                                                                                                                                                                                                                                                           |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 1. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 2. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 3. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| SYSTEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                    |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 1. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 2. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |
| 3. 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1/2" K-16                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                              |                                                                                                                                 |                                                                                                                          |             |                                                             |              |       |              |       |             |       |              |       |                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                              |                           |                          |                       |                   |                |          |       |         |      |                                                                                                                                                                                                                                                                                                                               |           |        |             |              |           |           |              |           |           |              |           |           |                                                                                                                                                                                                                                                        |              |             |              |           |              |           |              |           |                                                                                                                                                                                                                                         |          |      |              |           |              |           |              |           |                                                                                                                                                                                                                                                |        |             |              |           |              |           |              |           |                                                                                                                                                    |

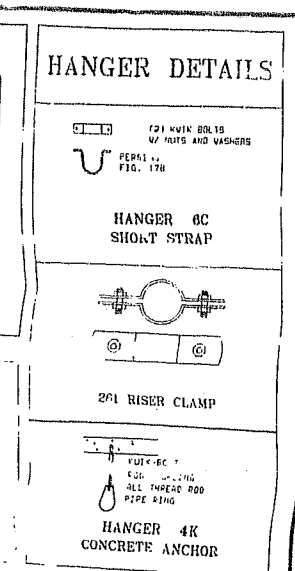
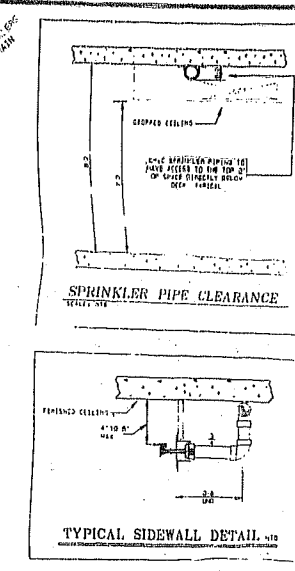
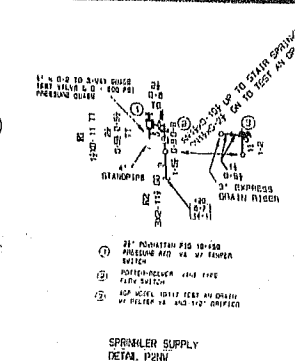


PLAN VIEW / MID-RISE / LEVEL 2 NW

SCALE: 3/32" = 1'-0"  
SHEET NO. 17  
REF. EL. 0'-0"  
SHEET NO. 17

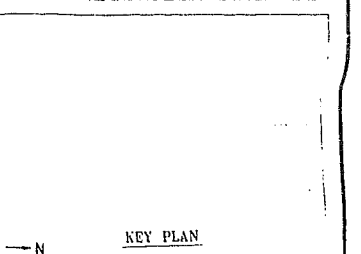
SEE SHEET FP-1 FOR GENERAL NOTES

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

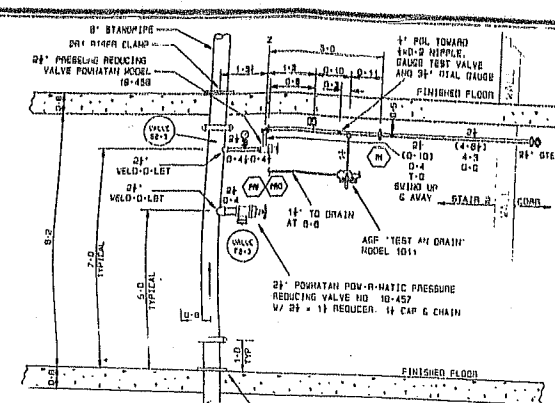


- GENERAL NOTES
1. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.
  2. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.
  3. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.
  4. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.
  5. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.
  6. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.
  7. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.
  8. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.
  9. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.
  10. ALL SPRINKLER HEADS TO BE 2 1/2 INCH K-115 TYPE.

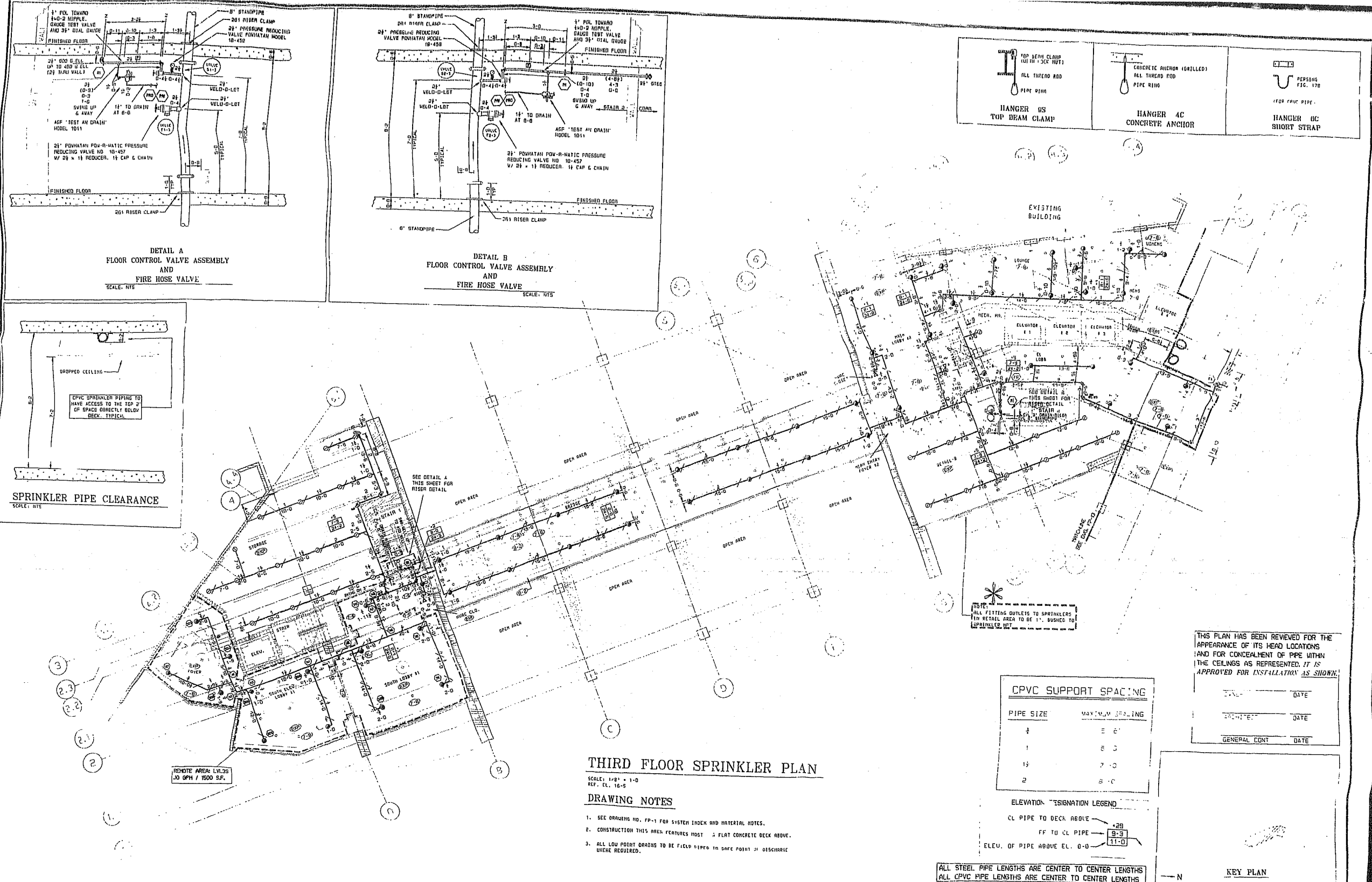
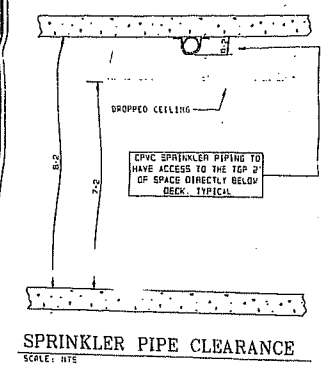
ALL STEEL PIPE LENGTHS SHOWN CUT  
ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER



|                                                                                                                                                                                                                                                                          |                                                                                                                             |                                                                    |                                                                        |                                                  |                                            |                                            |                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------|--------------------------------------------|----------------------------------------------------|
| <b>IMPORTANT</b><br>THIS DRAWING IS THE PROPERTY OF STEVEN FELLER P.E. INC. AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF STEVEN FELLER P.E. INC. ANY VIOLATION OF THIS NOTICE WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW. | <b>CONTRACT RESPONSIBILITIES</b><br>OWNER: THE GRAND FLAMINGO<br>DESIGNER: STEVEN FELLER P.E. INC.<br>INSTALLER: [REDACTED] | <b>SYMBOLS</b><br>[SYMBOLS FOR SPRINKLER HEADS, RISER PIPES, ETC.] | <b>SPRINKLER/NOZZLES</b><br>[TABLE OF SPRINKLER/NOZZLE SPECIFICATIONS] | <b>ABBREVIATIONS</b><br>[TABLE OF ABBREVIATIONS] | <b>APPROVALS</b><br>[SIGNATURES AND DATES] | <b>SYSTEM INFO</b><br>[SYSTEM DESCRIPTION] | <b>THE GRAND FLAMINGO</b><br>[PROJECT INFORMATION] |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------|--------------------------------------------|----------------------------------------------------|



DETAIL B  
FLOOR CONTROL VALVE ASSEMBLY  
AND  
FIRE HOSE VALVE



THIRD FLOOR SPRINKLER PLAN

SCALE: 1/8" = 1'-0"  
REF. CL. 16-5

### DRAWING NOTES

1. SEE DRAWING NO. FP-1 FOR SYSTEM INDEX AND MATERIAL NOTES.
2. CONSTRUCTION THIS AREA FEATURES MOST A FLAT CONCRETE DECK ABOVE.
3. ALL LOW POINT DRAIN TO BE FIELD TYPED TO SAFE POINT OF DISCHARGE WHERE REQUIRED.

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

## ELEVATION DESIGNATION LEGEND

CL PIPE TO DECK ABOVE  
FF TO CL PIPE  
DE PIPE ABOVE EL. 0-0

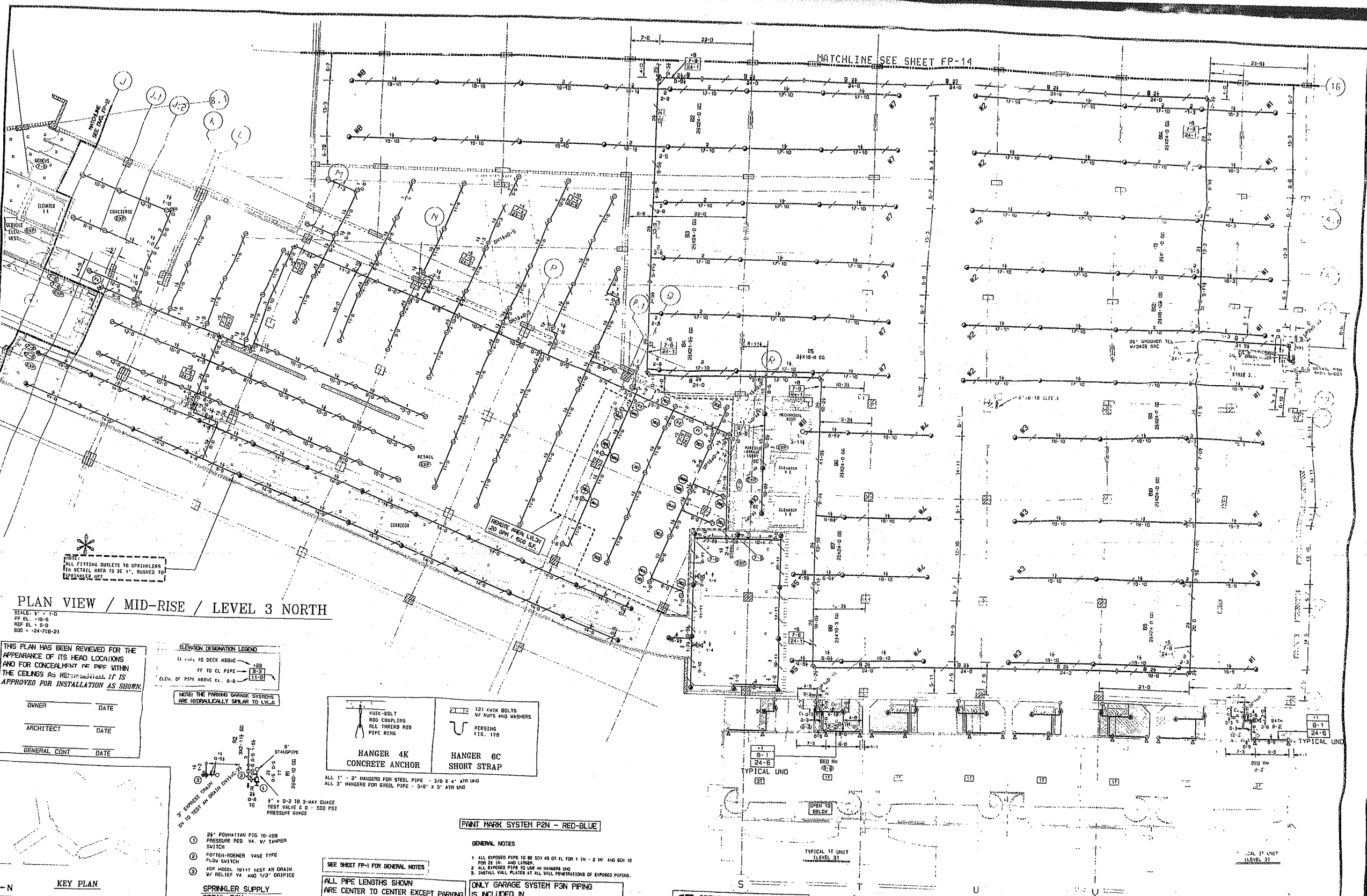
+29  
9-3  
11-0

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.

|              |      |
|--------------|------|
| DATE         | DATE |
| DATE         | DATE |
| GENERAL CONT | DATE |

KEY PLAN

[illegible]



**PLAN VIEW / MID-RISE / LEVEL 3 NORTH**

SCALE: 1" = 10'  
FF EL. = 10'-5"  
REF EL. = 0'-0"  
800 - 24-710-21

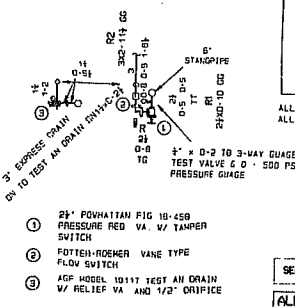
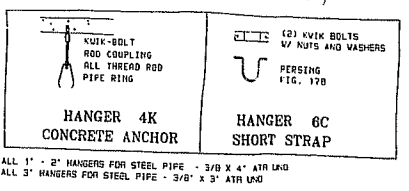
THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONFORMANCE OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

OWNER \_\_\_\_\_ DATE \_\_\_\_\_  
ARCHITECT \_\_\_\_\_ DATE \_\_\_\_\_  
GENERAL CONT. \_\_\_\_\_ DATE \_\_\_\_\_

**ELEVATION DESIGNATION LEGEND**

CL. + 10' TO DECK ABOVE → 10-0  
FF TO CL. PIPE → 10-5  
ELEV. OF PIPE ABOVE CL. 0'-0 → 11-0

NOTE: THE PARKING GARAGE SYSTEMS ARE HYDRAULICALLY SEPARATE TO LEVELS



**PAINT MARK SYSTEM P2N - RED-BLUE**

**GENERAL NOTES**

1. ALL EXPOSED PIPE TO BE 501 40 ON 1 IN. 2 IN. AND 601 10 FOR 2 IN. AND LARGER.  
2. ALL EXPOSED PIPE TO USE 4K HANGERS AND 3. INSTALL WALL PLATES AT ALL WALL PENETRATIONS OF EXPOSED PIPING.

**ONLY GARAGE SYSTEM P2N PIPING IS INCLUDED IN REVISION 3 CONSTRUCTION RELEASE**

**IMPORTANT**

IN OBTAINING SUBJECT TO THE FOLLOWING CONDITIONS: 1. THE USER'S RESPONSIBILITY TO PROVIDE THE NECESSARY INFORMATION FOR THE DESIGN OF THE SYSTEM AND TO OBTAIN THE NECESSARY PERMITS AND APPROVALS FOR THE SYSTEM. 2. THE USER'S RESPONSIBILITY TO OBTAIN THE NECESSARY INFORMATION FOR THE DESIGN OF THE SYSTEM AND TO OBTAIN THE NECESSARY PERMITS AND APPROVALS FOR THE SYSTEM. 3. THE USER'S RESPONSIBILITY TO OBTAIN THE NECESSARY INFORMATION FOR THE DESIGN OF THE SYSTEM AND TO OBTAIN THE NECESSARY PERMITS AND APPROVALS FOR THE SYSTEM.

| ITEM            | RESP. |
|-----------------|-------|
| CITY CONNECTION | OWNER |
| UNDERGROUND     | OWNER |
| EXERCUTIONS     | OWNER |
| INSTALLATION    | OWNER |
| TESTING         | OWNER |
| MAINTENANCE     | OWNER |

| SYMBOLS | DESCRIPTION  |
|---------|--------------|
| ○       | PIPE VALVE   |
| □       | PIPE COUPLER |
| △       | PIPE ELBOW   |
| ◇       | PIPE TEE     |
| ×       | PIPE CROSS   |
| +       | PIPE END     |

| MODEL | STYLE   | SIZE | TYPE | QUANTITY | REMARKS     |
|-------|---------|------|------|----------|-------------|
| 4K    | UPRIGHT | 1/2" | 1/2" | 155      | QUICK WHITE |
| 6C    | UPRIGHT | 1/2" | 1/2" | 155      | QUICK WHITE |
| 4K    | UPRIGHT | 1/2" | 1/2" | 155      | QUICK WHITE |

| MODEL | STYLE   | SIZE | TYPE | QUANTITY | REMARKS     |
|-------|---------|------|------|----------|-------------|
| 4K    | UPRIGHT | 1/2" | 1/2" | 155      | QUICK WHITE |
| 6C    | UPRIGHT | 1/2" | 1/2" | 155      | QUICK WHITE |
| 4K    | UPRIGHT | 1/2" | 1/2" | 155      | QUICK WHITE |

| ABBREVIATIONS | DESCRIPTION |
|---------------|-------------|
| AK            | ALARM KNOB  |
| AK            | ALARM KNOB  |
| AK            | ALARM KNOB  |

| REVISIONS | DATE     | BY            | DESCRIPTION             |
|-----------|----------|---------------|-------------------------|
| 1         | 08/14/00 | STEVEN FELLER | ISSUED FOR CONSTRUCTION |
| 2         | 08/14/00 | STEVEN FELLER | ISSUED FOR CONSTRUCTION |

**THE GRAND FLAMINGO**  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

DATE: 08/14/00  
BY: STEVEN FELLER  
CHECKED: [Signature]  
APPROVED: [Signature]

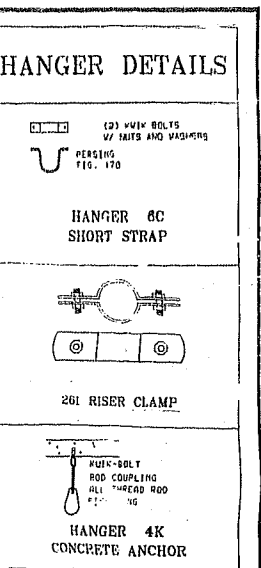
LASON SYSTEM'S INC. S.E.  
6554 N.W. 12 STREET, MIAMI, FLORIDA 33126  
305-477-9149 • 800-557-4799 • FAX 305-477-5326

# PREVIOUS DOCUMENT

IS  
a photocopy in poor  
condition



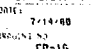
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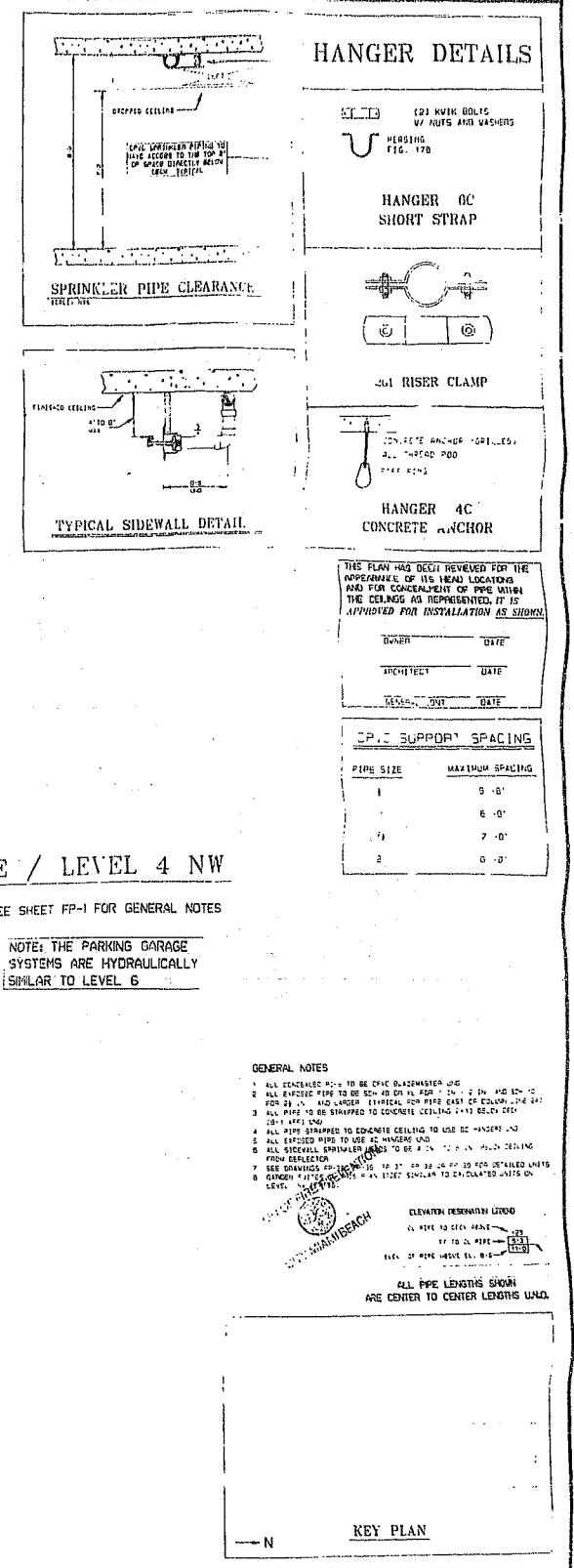
### KEY PLAN

THE GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

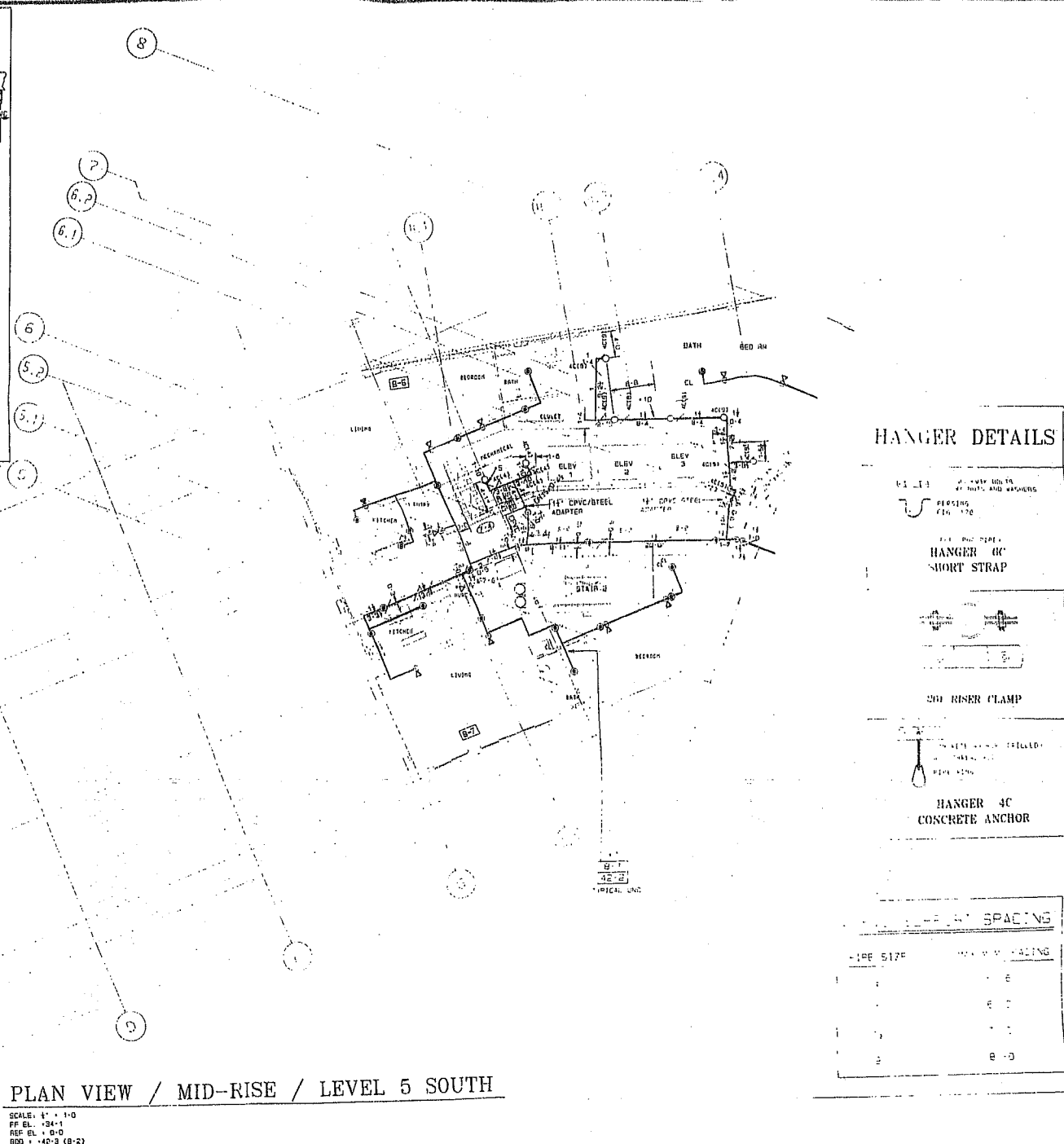
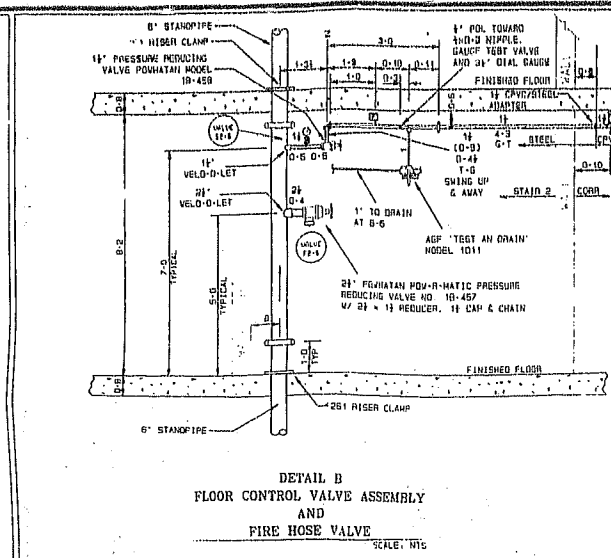
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|---------------------------|--|-------------------------------------------------|--|
| HYDRAULIC DESIGN DATA     |  | DALLAS CENTRAL DESIGN<br>ENGINEERING DEPARTMENT |  |
| CONTRACT NO. 27-427844-01 |  | CONTRACT NO. 27-427844-01                       |  |
| JUNE 30, 2000             |  | JUNE 30, 2000                                   |  |
| PP-14                     |  | PP-14                                           |  |

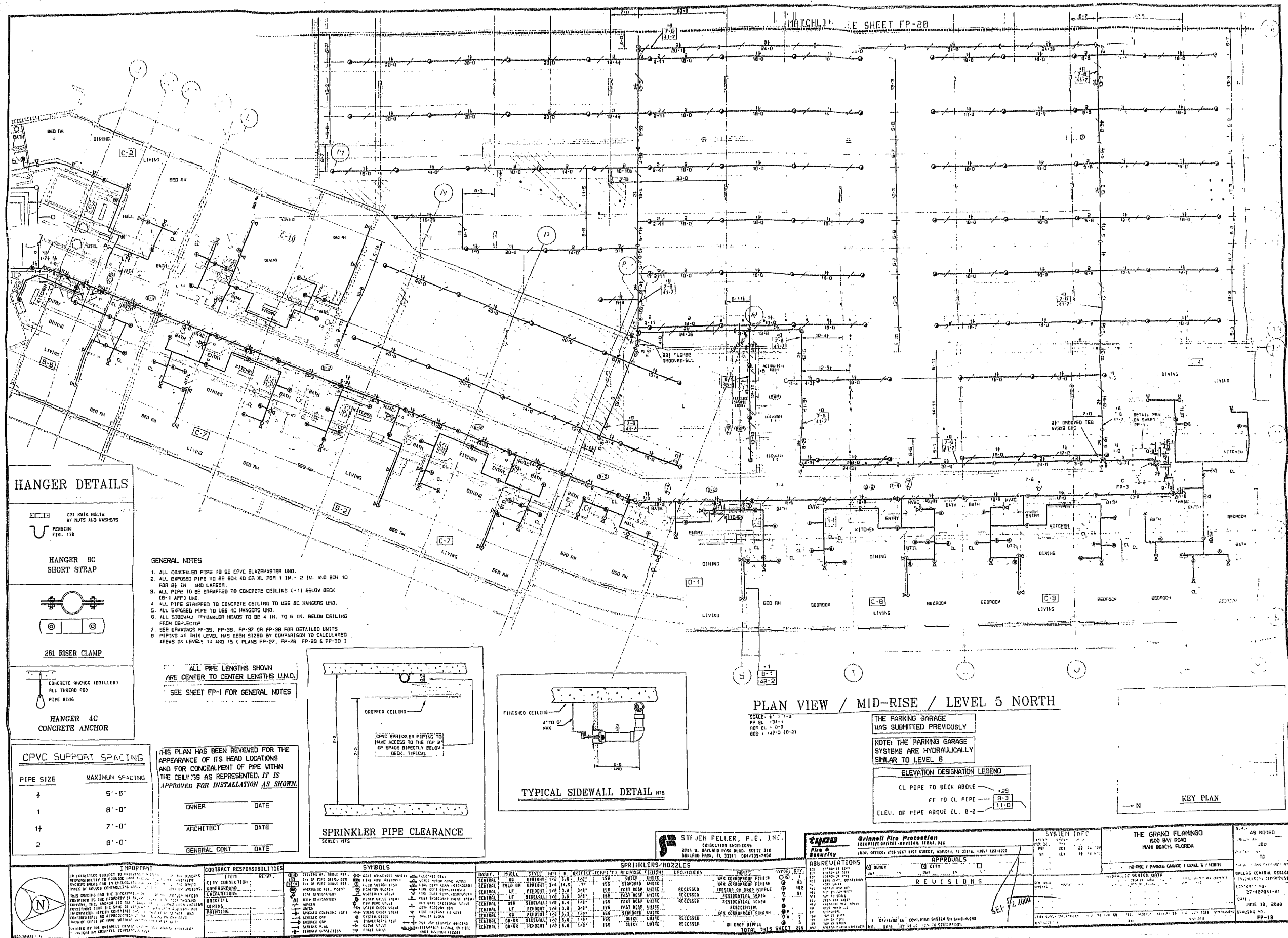


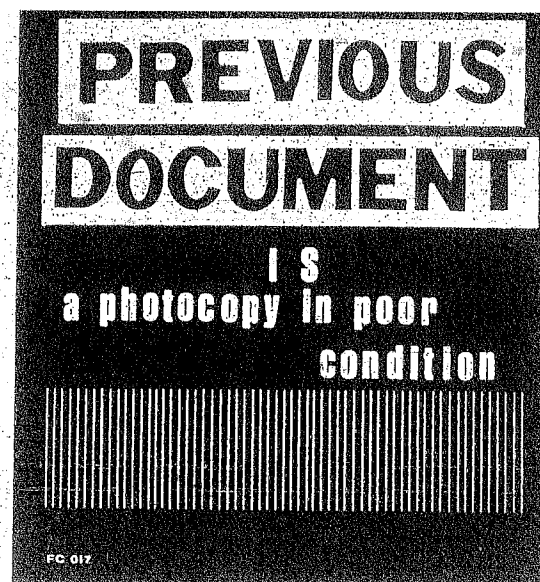


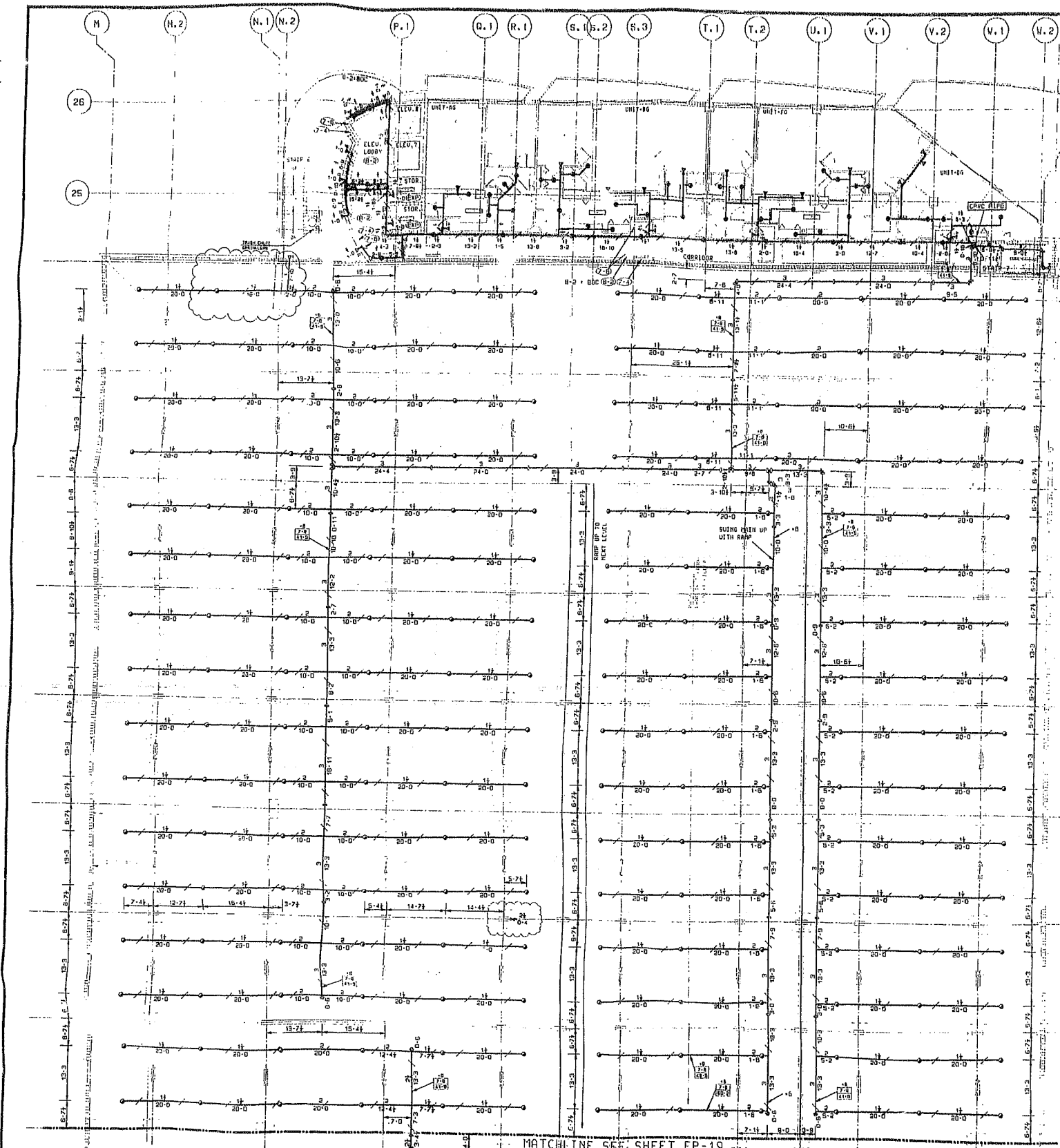


| SYMBOLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                              | SPRINKLER NOZZLES                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                          | ABBREVIATIONS                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>SYMBOLS</b></p> <p>1. FIRE ALARM CALL BOX</p> <p>2. FIRE ALARM CALL BOX WITH TELEPHONE</p> <p>3. FIRE ALARM CALL BOX WITH TELEPHONE AND BELL</p> <p>4. FIRE ALARM CALL BOX WITH TELEPHONE AND BELL AND BATTERY</p> <p>5. FIRE ALARM CALL BOX WITH TELEPHONE AND BELL AND BATTERY AND BELL RINGING</p> <p>6. FIRE ALARM CALL BOX WITH TELEPHONE AND BELL AND BATTERY AND BELL RINGING AND BELL RINGING</p> <p>7. FIRE ALARM CALL BOX WITH TELEPHONE AND BELL AND BATTERY AND BELL RINGING AND BELL RINGING AND BELL RINGING</p> <p>8. FIRE ALARM CALL BOX WITH TELEPHONE AND BELL AND BATTERY AND BELL RINGING AND BELL RINGING AND BELL RINGING</p> <p>9. FIRE ALARM CALL BOX WITH TELEPHONE AND BELL AND BATTERY AND BELL RINGING AND BELL RINGING AND BELL RINGING</p> <p>10. FIRE ALARM CALL BOX WITH TELEPHONE AND BELL AND BATTERY AND BELL RINGING AND BELL RINGING AND BELL RINGING</p> | <p><b>CONTRACT RESPONSIBILITIES</b></p> <p>1. CITY CONNECTION</p> <p>2. CITY CONNECTION</p> <p>3. CITY CONNECTION</p> <p>4. CITY CONNECTION</p> <p>5. CITY CONNECTION</p> <p>6. CITY CONNECTION</p> <p>7. CITY CONNECTION</p> <p>8. CITY CONNECTION</p> <p>9. CITY CONNECTION</p> <p>10. CITY CONNECTION</p> | <p><b>SPRINKLER NOZZLES</b></p> <p>1. 1/2" NIPPLE</p> <p>2. 1/2" NIPPLE</p> <p>3. 1/2" NIPPLE</p> <p>4. 1/2" NIPPLE</p> <p>5. 1/2" NIPPLE</p> <p>6. 1/2" NIPPLE</p> <p>7. 1/2" NIPPLE</p> <p>8. 1/2" NIPPLE</p> <p>9. 1/2" NIPPLE</p> <p>10. 1/2" NIPPLE</p> | <p><b>ABBREVIATIONS</b></p> <p>1. 1/2" NIPPLE</p> <p>2. 1/2" NIPPLE</p> <p>3. 1/2" NIPPLE</p> <p>4. 1/2" NIPPLE</p> <p>5. 1/2" NIPPLE</p> <p>6. 1/2" NIPPLE</p> <p>7. 1/2" NIPPLE</p> <p>8. 1/2" NIPPLE</p> <p>9. 1/2" NIPPLE</p> <p>10. 1/2" NIPPLE</p> | <p><b>REVISIONS</b></p> <p>1. 1/2" NIPPLE</p> <p>2. 1/2" NIPPLE</p> <p>3. 1/2" NIPPLE</p> <p>4. 1/2" NIPPLE</p> <p>5. 1/2" NIPPLE</p> <p>6. 1/2" NIPPLE</p> <p>7. 1/2" NIPPLE</p> <p>8. 1/2" NIPPLE</p> <p>9. 1/2" NIPPLE</p> <p>10. 1/2" NIPPLE</p> | <p><b>APPROVALS</b></p> <p>1. 1/2" NIPPLE</p> <p>2. 1/2" NIPPLE</p> <p>3. 1/2" NIPPLE</p> <p>4. 1/2" NIPPLE</p> <p>5. 1/2" NIPPLE</p> <p>6. 1/2" NIPPLE</p> <p>7. 1/2" NIPPLE</p> <p>8. 1/2" NIPPLE</p> <p>9. 1/2" NIPPLE</p> <p>10. 1/2" NIPPLE</p> |

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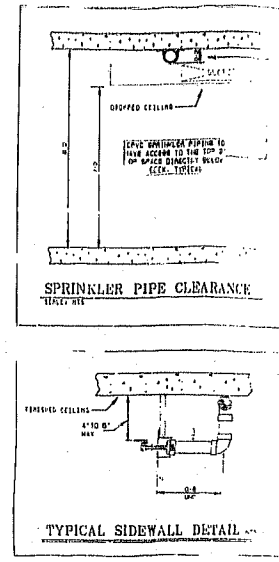


PLAN VIEW / MID-RISE / LEVEL 5 NW

SCALE: 3/32" = 1'-0"  
FF EL. - 24'-1"  
RFP EL. - 1'-0"  
GSD - 42-310-21

SEE SHEET FP-1 FOR GENERAL NOTES

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



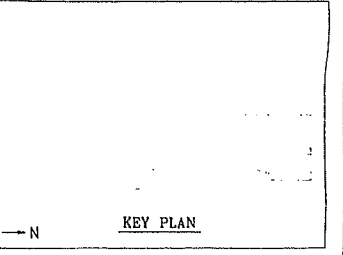
HANGER DETAILS

- 123 KNUX BOLTS  
W/ NUTS AND WASHERS  
FIG. 178
- HANGER 6C  
SHORT STRAP
- 281 RISER CLAMP
- HANGER 4C  
CONCRETE ANCHOR

THIS PLAN HAS BEEN REVIEWED FOR THE  
APPROPRIATENESS OF THE HANGER LOCATIONS  
AND FOR CONFORMANCE WITH THE  
REQUIREMENTS OF THE CITY OF  
ATLANTA. APPROVED FOR INSTALLATION AS SHOWN.

|                      |                 |
|----------------------|-----------------|
| OWNER                | DATE            |
| ARCHITECT            | DATE            |
| GENERAL CONTRACTOR   | DATE            |
| PIPE SUPPORT SPACING |                 |
| PIPE SIZE            | MAXIMUM SPACING |
| 1                    | 5'-0"           |
| 2                    | 6'-0"           |
| 3                    | 7'-0"           |
| 4                    | 8'-0"           |

- GENERAL NOTES
1. ALL CONCEALED PIPING TO BE 1/2" O.D. MINIMUM AND 1/2" MIN. WALL THICKNESS.
  2. ALL EXPOSED PIPING TO BE 1/2" O.D. MINIMUM AND 1/2" MIN. WALL THICKNESS.
  3. ALL PIPING TO BE SHIPPED TO CONCRETE CEILING (1) 1/2" BELOW CEILING.
  4. ALL PIPING TO BE SHIPPED TO CONCRETE CEILING TO USE 1/2" HANGERS AND 1/2" RISER CLAMPS.
  5. ALL EXPOSED PIPING TO USE 1/2" HANGERS AND 1/2" RISER CLAMPS.
  6. ALL EXPOSED PIPING TO BE 1/2" O.D. MINIMUM AND 1/2" MIN. WALL THICKNESS.
  7. SEE SHEET FP-1 FOR DETAILS OF PIPING TO BE SHIPPED TO CONCRETE CEILING.
  8. ELEVATION DESIGNATION LEGEND



**IMPORTANT**

IN LOCATIONS SUBJECT TO FLOODING, THE DESIGNER SHALL PROVIDE FOR THE PROTECTION OF THE SYSTEMS AND THE PROTECTION OF THE SYSTEMS SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER SHALL PROVIDE FOR THE PROTECTION OF THE SYSTEMS AND THE PROTECTION OF THE SYSTEMS SHALL BE THE RESPONSIBILITY OF THE DESIGNER.

**CONTRACT RESPONSIBILITIES**

DESIGNER: STEVEN FELLER, P.C., INC.  
OWNER: THE GRAND FLAMINGO  
ARCHITECT: GRINNELL FIRE PROTECTION

**SYMBOLS**

SPRINKLERS/NOZZLES  
ELECTRICAL  
PLUMBING  
MECHANICAL

**ABBREVIATIONS**

GRINNELL FIRE PROTECTION  
THE GRAND FLAMINGO  
ARCHITECT: GRINNELL FIRE PROTECTION

**REVISIONS**

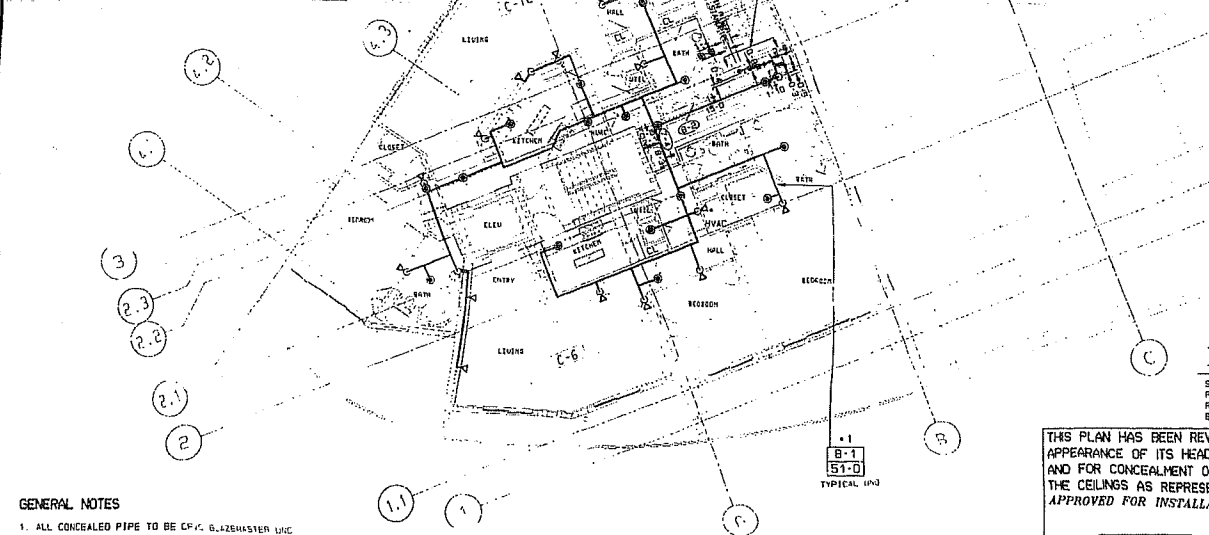
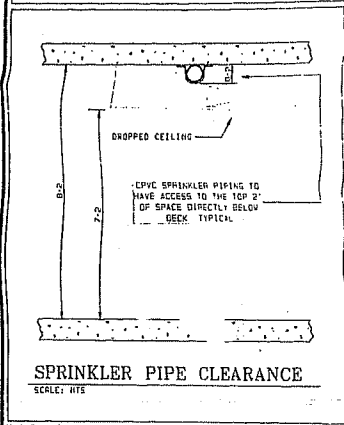
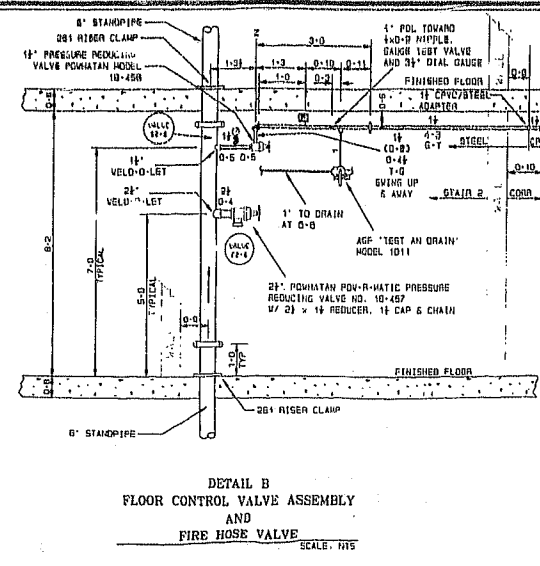
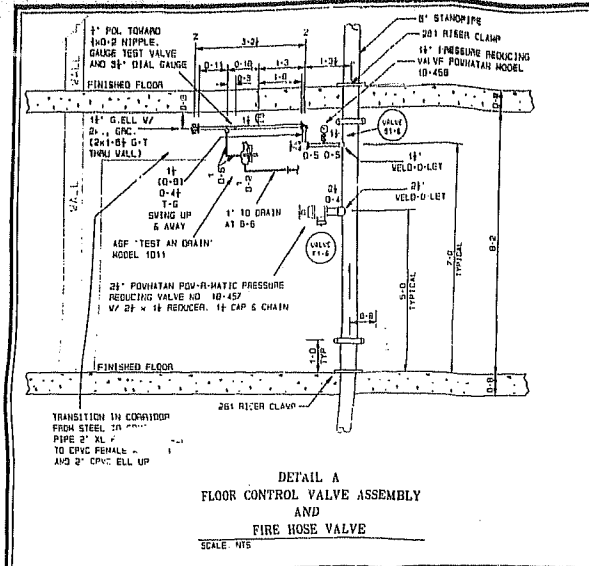
1. 7/21/00 - 10' COMPLETED GROUND WORK  
2. 7/21/00 - 10' COMPLETED GROUND WORK

**SYSTEM INFO**

THE GRAND FLAMINGO  
1500 BAY ROAD  
1500 BAY ROAD

**AS NOTED**

DATE: 7/21/00  
BY: [Signature]



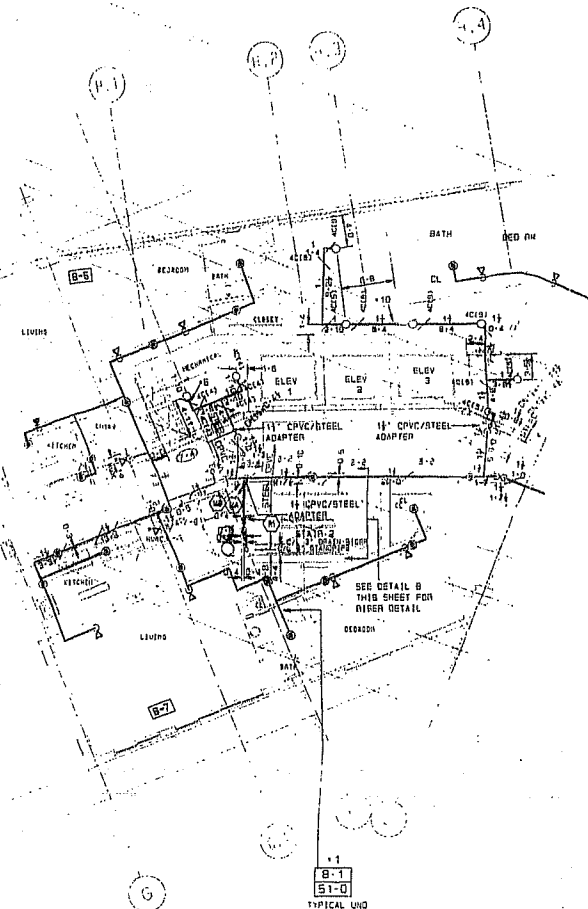
- GENERAL NOTES**
1. ALL CONCEALED PIPE TO BE CPVC, 1/2" OR 3/4" UNLESS OTHERWISE NOTED.
  2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1/2" & 3/4" AND SCH 10 FOR 1" AND LARGER.
  3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (+1) BELOW DECK (0-1) ABOVE UNO.
  4. ALL PIPE STRAPPED TO CONCRETE CEILING 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 PP-35, PP-36, PP-37 OR PP-38 FOR PIPE SCHEDULES UNITS.
  8. PIPING AT THIS LEVEL HAS BEEN SIZED BY COMPARISON TO CALCULATED AREAS ON LEVELS 14 AND 15 (PLANS PP-27, PP-28, PP-29 & PP-30).

**PLAN VIEW / MID-RISE / LEVEL 6 SOUTH**

SCALE: 1/4" = 1'-0"  
PP EL. +42'-11"  
REF EL. +0'-0"  
800' ± S1-1 (0-2)

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 \_\_\_\_\_



**CPVC SUPPORT SPACING**

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

**ELEVATION DESIGNATION LEGEND**

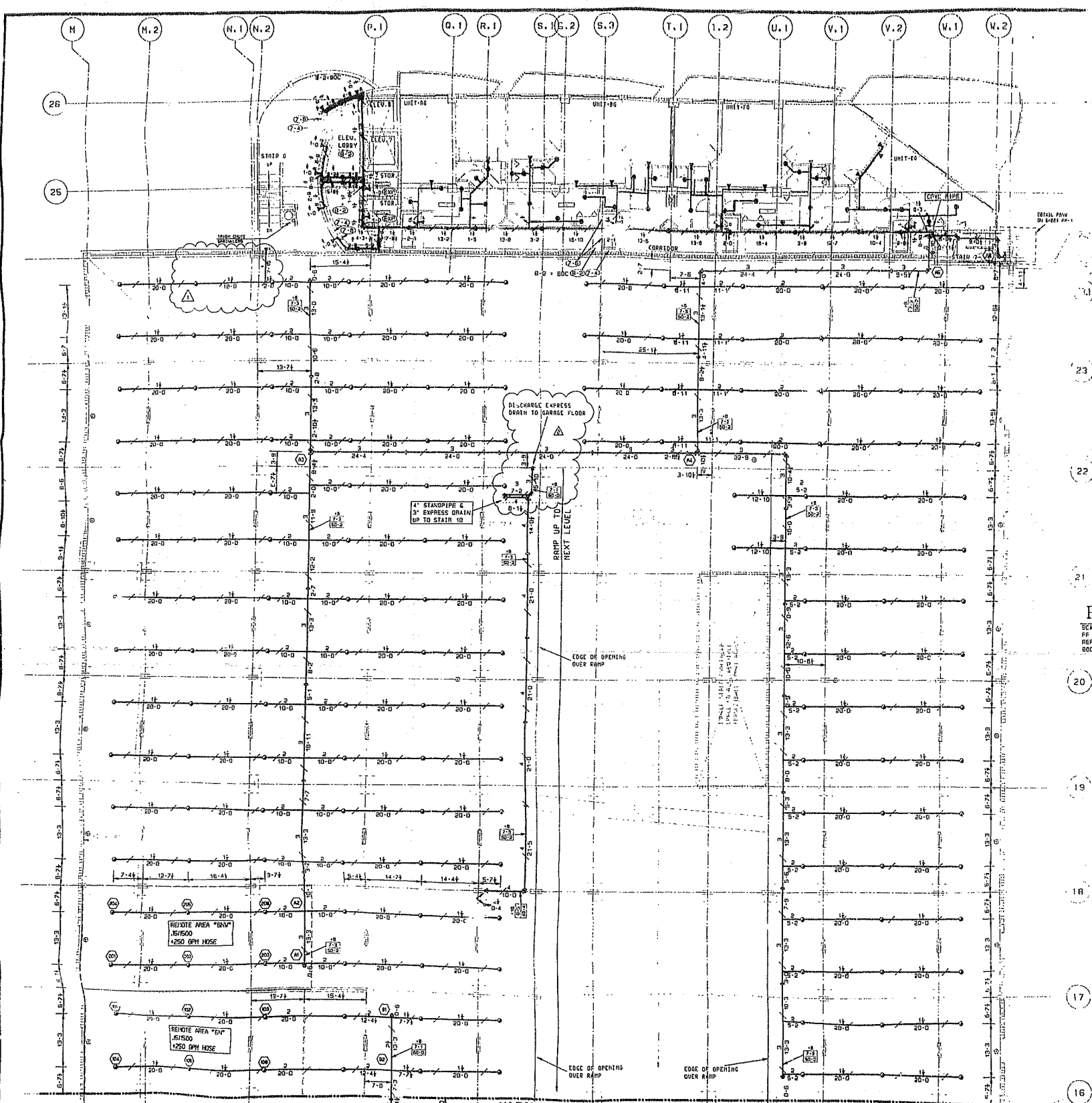
CL PIPE TO DECK ABOVE +29  
FF TO CL PIPE +9-3  
ELEV. OF PIPE ABOVE EL. 0-0 +11-0

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

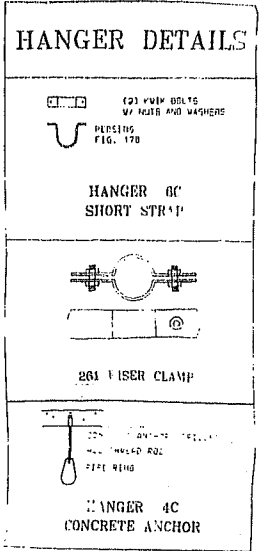
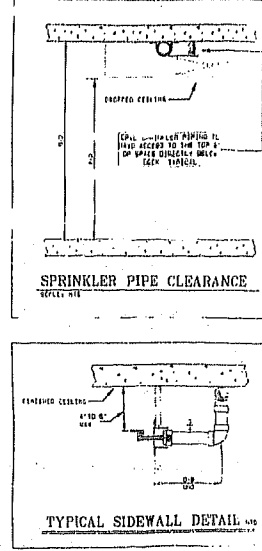
**KEY PLAN**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                    |                                                                                                                                                                         |                                                                                                                                                           |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                   |                                                                                                                                                                                                                                     |                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <p><b>IMPORTANT</b></p> <p>IN ALL CASES SUBJECT TO REVIEW, THE RESPONSIBILITY TO PROVIDE THE CORRECT INFORMATION IS THE RESPONSIBILITY OF THE CLIENT. THE ENGINEER'S RESPONSIBILITY IS TO REVIEW THE INFORMATION PROVIDED BY THE CLIENT AND TO PROVIDE THE ENGINEER'S OPINION THEREON. THE ENGINEER'S OPINION IS BASED ON THE INFORMATION PROVIDED BY THE CLIENT AND IS NOT A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.</p> | <p><b>CONTRACT RESPONSIBILITIES</b></p> <p>CLIENT: THE GRAND FLAMINGO<br/>ENGINEER: STEVEN FELLER, P.E. INC.<br/>DATE: 7-14-00</p> | <p><b>SYMBOLS</b></p> <p>1. SPRINKLER HEAD<br/>2. RISER<br/>3. VALVE<br/>4. CLAMP<br/>5. HANGER<br/>6. ANCHOR<br/>7. STRAP<br/>8. PIPE<br/>9. FITTING<br/>10. JOINT</p> | <p><b>SPRINKLER HEADS</b></p> <p>1. K-16<br/>2. K-20<br/>3. K-24<br/>4. K-28<br/>5. K-32<br/>6. K-36<br/>7. K-40<br/>8. K-44<br/>9. K-48<br/>10. K-52</p> | <p><b>ABBREVIATIONS</b></p> <p>1. CL: CONCRETE<br/>2. FF: FINISHED FLOOR<br/>3. UNO: UNO<br/>4. SCH: SCHEDULE<br/>5. XL: EXTRA LARGE<br/>6. CPVC: CHLORIDE POLYVINYLENE<br/>7. SCH 40: SCHEDULE 40<br/>8. SCH 10: SCHEDULE 10<br/>9. SCH 80: SCHEDULE 80<br/>10. SCH 160: SCHEDULE 160</p> | <p><b>REVISIONS</b></p> <p>1. 7-14-00<br/>2. 7-14-00<br/>3. 7-14-00<br/>4. 7-14-00<br/>5. 7-14-00<br/>6. 7-14-00<br/>7. 7-14-00<br/>8. 7-14-00<br/>9. 7-14-00<br/>10. 7-14-00</p> | <p><b>SYSTEM INFO</b></p> <p>1. SYSTEM: SPRINKLER<br/>2. TYPE: WET<br/>3. RATED: 150 PSI<br/>4. TEMP: 150°F<br/>5. K-VALUE: 1.6<br/>6. HEAD: 1.6<br/>7. RATED: 150 PSI<br/>8. TEMP: 150°F<br/>9. K-VALUE: 1.6<br/>10. HEAD: 1.6</p> | <p><b>THE GRAND FLAMINGO</b></p> <p>300 BAY ROAD<br/>MIAMI BEACH, FLORIDA<br/>LEVEL 6 - SOUTH</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|





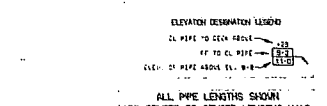
PLAN VIEW / MID-RISE / LEVEL 6 NW  
SCALE: 3/32" = 1'-0"  
FF EL. +42'-11"  
REF. EL. +0'-0"  
SHEET NO. 10-61



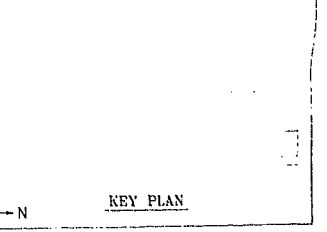
THIS PLAN HAS BEEN REVIEWED FOR THE APPROPRIATE OF THE HEAD LOCATIONS AND FOR CONCENTRATION OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

| 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 PIPING TO BE 2" MIN. DIA. UNLESS NOTED OTHERWISE.
  2. ALL EXPOSED PIPING TO BE SCH 40 OR SCH 80, 1/2" DIA. AND 10' LONG FOR 20' DIA. AND LARGER. TYPICAL FOR HOSE SHED OF CEILING LINE 24".
  3. ALL PIPING TO BE SHIPPED TO CONCRETE CEILING (4" MIN. BELOW DECK) 18" FROM WALL.
  4. ALL PIPING SHIPPED TO CONCRETE CEILING TO USE SC HANGERS AND 1/2" DIA. BRACKET.
  5. ALL EXPOSED PIPING TO USE 4" HANGERS AND 1/2" DIA. BRACKET.
  6. ALL SIDEWALL BRACKET HEADS TO BE 4" DIA. 1/2" DIA. BRACKET HEAD DETECTION.
  7. SEE DRAWING 10-100 FOR 20' DIA. 1/2" DIA. BRACKET HEAD DETECTION.
  8. BRACKET HEADS TO BE 1/2" DIA. 1/2" DIA. BRACKET HEAD DETECTION.



ALL PIPE LENGTHS SHOWN ARE CENTER TO CENTER LENGTHS UNLESS NOTED OTHERWISE.



**CONTRACT RESPONSIBILITIES**

| ITEM         | RESP.                     |
|--------------|---------------------------|
| CLIENT       | THE GRAND FLAMINGO        |
| DESIGN       | STEVEN FELLER, P.E., INC. |
| CONSTRUCTION | GRINNELL FIRE PROTECTION  |

**SYMBOLS**

| SYMBOL | DESCRIPTION           |
|--------|-----------------------|
| (S)    | STANDARD SPRINKLER    |
| (ES)   | ESCAPATION SPRINKLER  |
| (R)    | RESIDENTIAL SPRINKLER |
| (A)    | APPROPRIATE SPRINKLER |

**SPRINKLERS/NOZZLES**

| MODEL  | NOZZLE | TYPE       | SIZE | TEMP. | SPACING |
|--------|--------|------------|------|-------|---------|
| ES-100 | 1/2"   | ESCAPATION | 1/2" | 155°  | 10'-0"  |
| ES-100 | 1/2"   | ESCAPATION | 1/2" | 155°  | 10'-0"  |
| ES-100 | 1/2"   | ESCAPATION | 1/2" | 155°  | 10'-0"  |

**ABBREVIATIONS**

| ABBREVIATION | DESCRIPTION |
|--------------|-------------|
| ES           | ESCAPATION  |
| R            | RESIDENTIAL |
| A            | APPROPRIATE |

**REVISIONS**

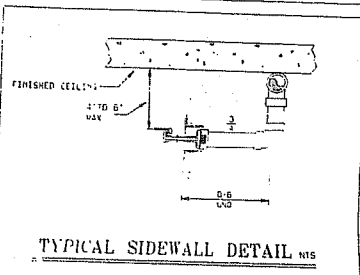
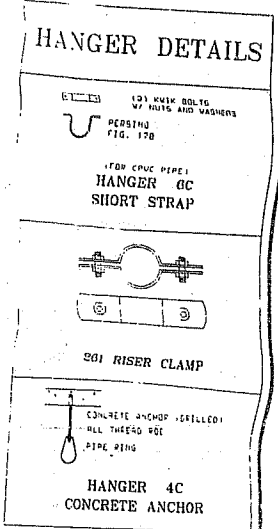
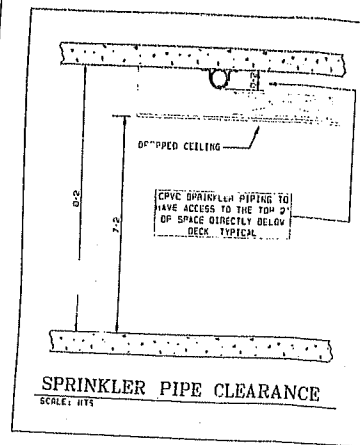
| NO. | DATE     | DESCRIPTION       |
|-----|----------|-------------------|
| 1   | 10-10-10 | ISSUED FOR PERMIT |
| 2   | 10-10-10 | ISSUED FOR PERMIT |

**SYSTEM INFO**

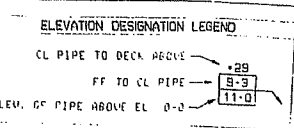
THE GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

**DATE**

SEP 20 2010



| CPVC SUPPORT SPACING |                 |
|----------------------|-----------------|
| PIPE SIZE            | MAXIMUM SPACING |
| $\frac{1}{2}$        | 5'-6"           |
| 1                    | 6'-0"           |
| $1\frac{1}{2}$       | 7'-0"           |
| 2                    | 8'-0"           |



**GENERAL NOTES**

- 1 ALL CONCEALED PIPE TO BE C-10, 4" DIA. MAXIMUM AND
- 2 ALL EXPOSED PIPE TO BE SCH 40 (4" AL. PIPE 1" DIA. AND SCH 10
- 3 FOR 2" IN. AND LARGER.
- 4 ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (11) BELOW DECK
- 5 (B-1 AFF) AND
- 6 ALL PIPE STRAPPED TO CONCRETE CEILING 1" BELOW HANGERS AND
- 7 ALL EXPOSED PIPE TO USE 4" HANGERS UNLESS
- 8 ALL SIDEWALL SPRINKLER HEADS TO BE 6" IN. IN BELOW CEILING
- 9 FROM DEFLECTOR.
- 10 SEE DRAWINGS PP-25, PP-36, PP-37 AND PP-38 FOR DETAILED NOTING
- 11 ALL PIPING IN THIS LEVEL HAS BEEN PLANNED BY OTHERS TO BE CALCULATED
- 12 AREAS ON LEVELS 14 AND 15 CANNOT BE PLANNED BY OTHERS TO BE CALCULATED
- 13 (PP-30) AND (PP-30) 3

-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  
8781 W. OAKLAND PARK BLVD., SUITE 310  
OAKLAND PARK, FL 33311 954/730-7400

**tyco**  
Fire &  
Security

**Original Fire Protection**  
EXECUTIVE OFFICE - HOUSTON, TEXAS, U.S.A.  
LOCAL OFFICE: 2700 WEST BICY STREET, HOUSTON, TEXAS

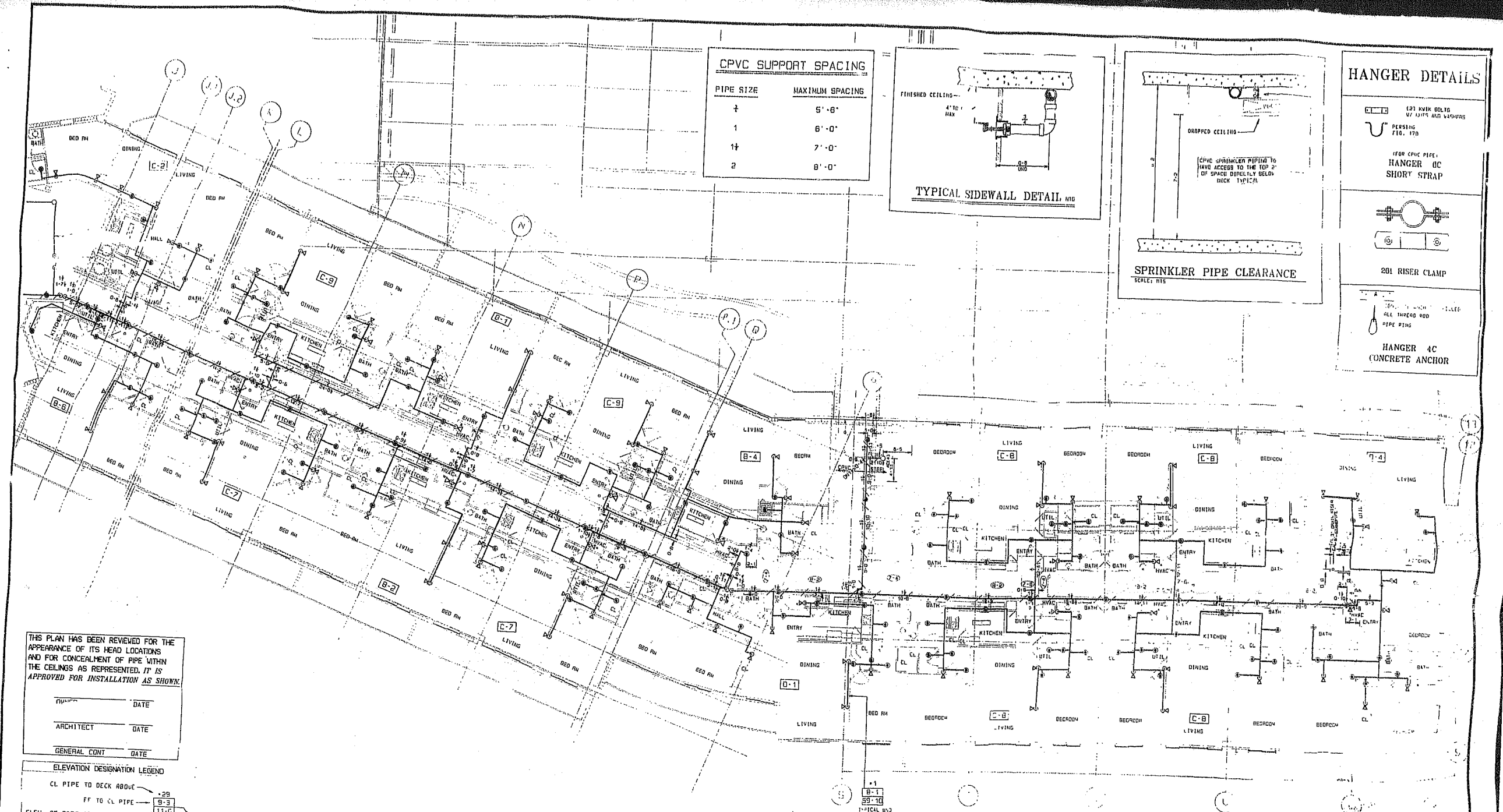
SYSTEM INFO

THE GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

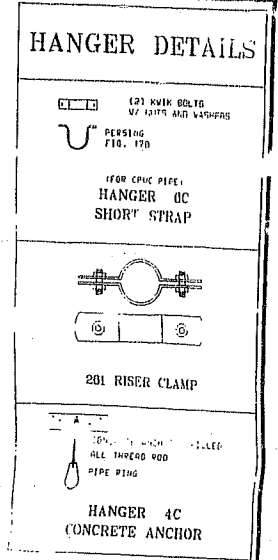
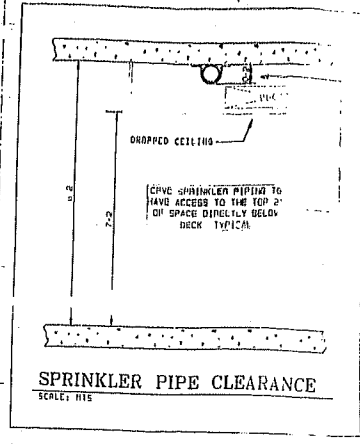
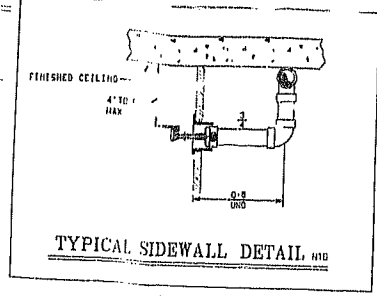
LEVEL 7 - SOUTH

TELEPHONE DISSEM DATA  
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INVESTIGATING DIVISION  
COMM-FBI  
27-427841-31  
FBI  
7-14 80

5-1-1  
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 ALAN KNON  
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 TIB BURCHFIELD  
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 DALLAS CENTRAL DESIGN  
 ENGINEERING CORPORATION  
 1-0-1-1-0-1  
 27-427841-01  
 (011)  
 7-14 00  
 1-0-1-1-0-1



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

|              |      |
|--------------|------|
| DATE         | DATE |
| ARCHITECT    | DATE |
| GENERAL CONT | DATE |

ELEVATION DESIGNATION LEGEND

|                             |      |
|-----------------------------|------|
| CL PIPE TO DECK ABOVE       | +29  |
| FF TO CL PIPE               | 9-3  |
| ELEV. OF PIPE ABOVE EL. 0-0 | 11-6 |

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

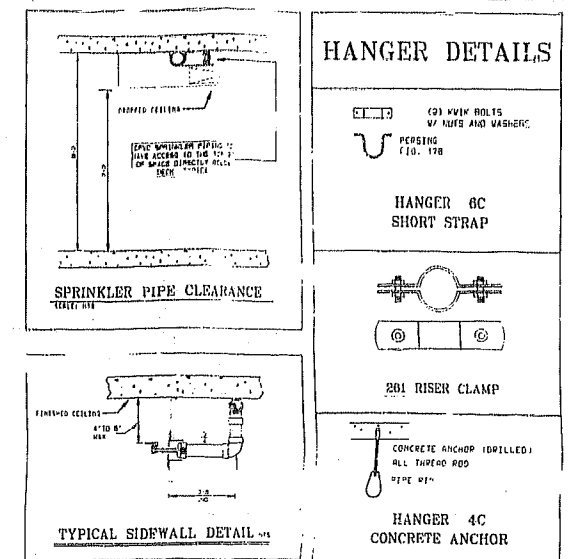
- GENERAL NOTES
1. ALL CONCEALED PIPE TO BE CPVC 1/2" AEMMASTER AND
  2. ALL EXPOSED PIPE TO BE 1/2" CPVC 1/2" AEMMASTER AND SCH 40 FOR 2" IN AND LARGER
  3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING 1" BELOW DECK (B-1 AFF) AND
  4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE 2" HANGERS AND
  5. ALL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

PLAN VIEW / MID-RISE / LEVEL 7 NORTH

SCALE: 1" = 1'-0"  
RF EL. 151-0  
REF EL. 0-0  
500' = 50'-11" (B-2)

KEY PLAN

|                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                             |                                                                   |                                                                                                                                                                                                                                                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                       |  | <b>STEVEN FELLER, P.E.</b><br>CONSULTING ENGINEER<br>2701 N. GARDEN PARK BLVD., SUITE 200<br>DALLAS, TEXAS 75245-1200                                                                                                                                                                                                                            |  | <b>Grinnell Fire Protection</b><br>EXTERIOR SPRINKLER SYSTEMS, ETC.<br>LOCAL OFFICE: 1708 WEST STREET, MIAMI, FL 33136, 305-372-1100                                                                                                                                                                                                        | <b>THE GRAND FLAMINGO</b><br>500 BAY ROAD<br>MIAMI BEACH, FLORIDA | <b>REVISIONS</b><br>1. 10/1/00<br>2. 10/1/00<br>3. 10/1/00<br>4. 10/1/00<br>5. 10/1/00<br>6. 10/1/00<br>7. 10/1/00<br>8. 10/1/00<br>9. 10/1/00<br>10. 10/1/00                                                                                                                                                                           |  |
| <b>SYMBOLS</b><br>1. 1/2" CPVC 1/2" AEMMASTER<br>2. 1/2" CPVC 1/2" AEMMASTER<br>3. 1/2" CPVC 1/2" AEMMASTER<br>4. 1/2" CPVC 1/2" AEMMASTER<br>5. 1/2" CPVC 1/2" AEMMASTER<br>6. 1/2" CPVC 1/2" AEMMASTER<br>7. 1/2" CPVC 1/2" AEMMASTER<br>8. 1/2" CPVC 1/2" AEMMASTER<br>9. 1/2" CPVC 1/2" AEMMASTER<br>10. 1/2" CPVC 1/2" AEMMASTER |  | <b>SPRINKLERS/NOZZLES</b><br>1. 1/2" CPVC 1/2" AEMMASTER<br>2. 1/2" CPVC 1/2" AEMMASTER<br>3. 1/2" CPVC 1/2" AEMMASTER<br>4. 1/2" CPVC 1/2" AEMMASTER<br>5. 1/2" CPVC 1/2" AEMMASTER<br>6. 1/2" CPVC 1/2" AEMMASTER<br>7. 1/2" CPVC 1/2" AEMMASTER<br>8. 1/2" CPVC 1/2" AEMMASTER<br>9. 1/2" CPVC 1/2" AEMMASTER<br>10. 1/2" CPVC 1/2" AEMMASTER |  | <b>ABBREVIATIONS</b><br>1. 1/2" CPVC 1/2" AEMMASTER<br>2. 1/2" CPVC 1/2" AEMMASTER<br>3. 1/2" CPVC 1/2" AEMMASTER<br>4. 1/2" CPVC 1/2" AEMMASTER<br>5. 1/2" CPVC 1/2" AEMMASTER<br>6. 1/2" CPVC 1/2" AEMMASTER<br>7. 1/2" CPVC 1/2" AEMMASTER<br>8. 1/2" CPVC 1/2" AEMMASTER<br>9. 1/2" CPVC 1/2" AEMMASTER<br>10. 1/2" CPVC 1/2" AEMMASTER |                                                                   | <b>APPROVALS</b><br>1. 1/2" CPVC 1/2" AEMMASTER<br>2. 1/2" CPVC 1/2" AEMMASTER<br>3. 1/2" CPVC 1/2" AEMMASTER<br>4. 1/2" CPVC 1/2" AEMMASTER<br>5. 1/2" CPVC 1/2" AEMMASTER<br>6. 1/2" CPVC 1/2" AEMMASTER<br>7. 1/2" CPVC 1/2" AEMMASTER<br>8. 1/2" CPVC 1/2" AEMMASTER<br>9. 1/2" CPVC 1/2" AEMMASTER<br>10. 1/2" CPVC 1/2" AEMMASTER |  |



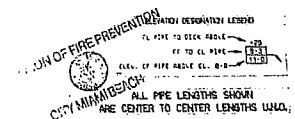
THIS PLAN HAS BEEN REVIEWED FOR THE  
APPEARANCE OF ITS HEAD LOCATIONS  
AND FOR CONCEALMENT OF PIPE WITHIN  
THE CEILING AS REPRESENTED. IT IS  
APPROVED FOR INSTALLATION AS SHOWN.

|                    |      |
|--------------------|------|
| OWNER              | DATE |
| ARCHITECT          | DATE |
| GENERAL CONTRACTOR | DATE |

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

GENERAL NOTES

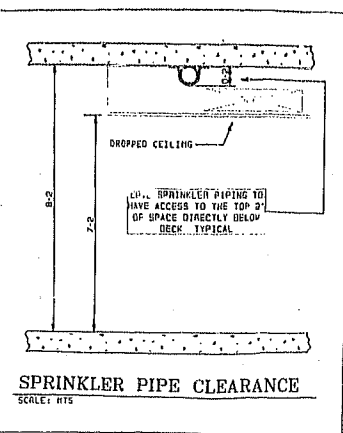
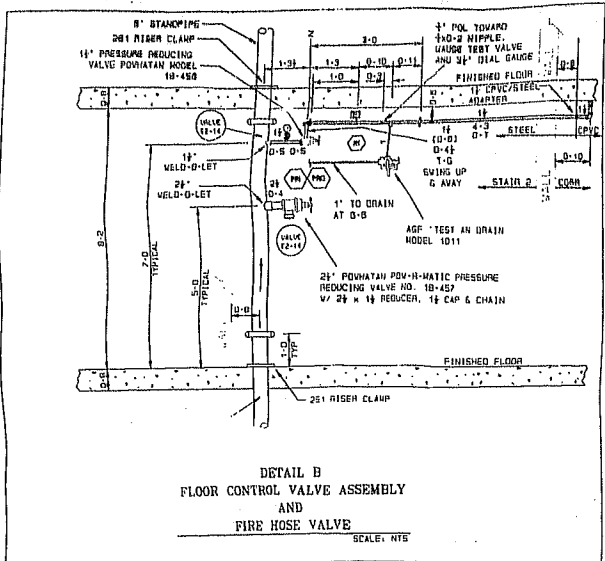
1. CONCEALED PIPE TO BE CPVC OR ALUMINUM
2. EXPOSED PIPE TO BE SCH 40 DA IL FOR 1 IN. 2 IN. AND SCH 10 FOR 2 1/2 IN. AND LARGER THICK FOR PIPE HANGERS AND COUPLERS. SEE PAGE 242
3. PIPE TO BE STRAPPED TO CONCRETE CEILING 2" x 4" ALUM. ANG.
4. 3" x 4" x 1/2" L
5. PIPE STRAPPED TO CONCRETE CEILING 2" x 4" x 1/2" ALUM. ANG.
6. ALL EXPOSED PIPE TO USE 1/2" HANGERS AND
7. 1/2" RIGID WALL SPRINKLER HEADS 2 1/2" x 4" x 1/2" ALUM. CEILING
8. SPRINKLER
9. SEE DRAWINGS 04-15 16-16 17-17 18-18 19-19 20-20 21-21 22-22 23-23 FOR CEILING UNITS



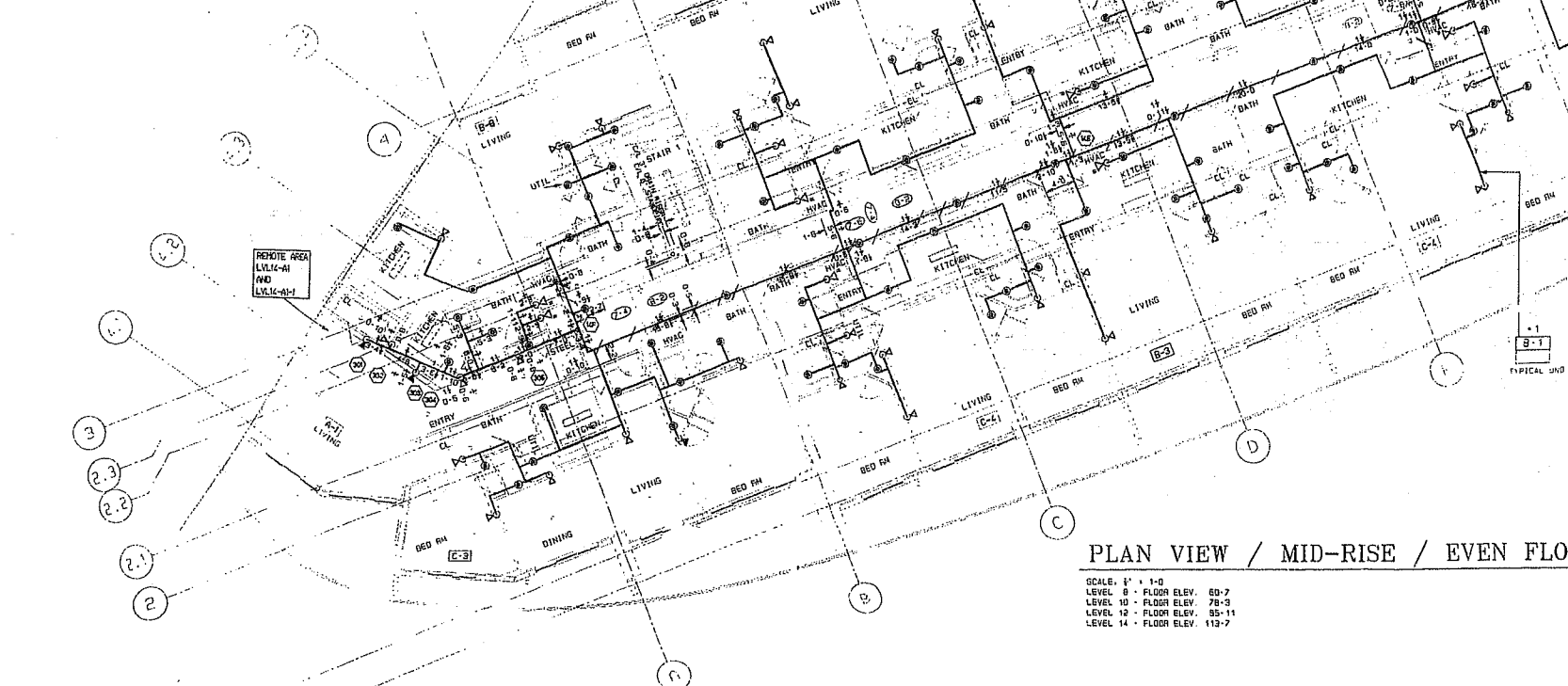
SEE SHEET FP-1 FOR GENERAL NOTES

### KEY PLAN

[illegible]



- 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 (11) BELOW DECK (B-1 AFF) UND
  4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE 6C 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 DEFLECTOR
  7. SEE DRAWINGS PP-25, PP-26, PP-27 OR PP-28 FOR DETAILED UNITS
  8. PIPING AT THIS LEVEL HAS BEEN SIZED BY COMPARISON TO CALCULATED AREAS ON LEVELS 14 AND 15 (PLANS PP-27, PP-28, PP-29 & PP-30)



**CPVC SUPPORT SPACING**

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

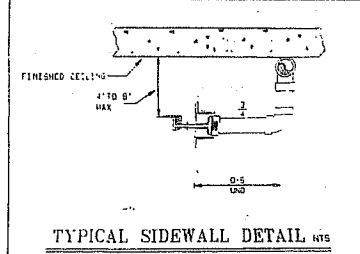
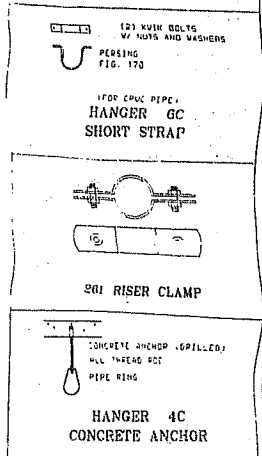
THIS PLAN HAS BEEN REVIEWED FOR THE APPEARANCE OF ITS HEAD LOCATIONS AND FOR CONCEALMENT OF PIPE WITHIN THE CEILING AS REPRESENTED. IT IS APPROVED FOR INSTALLATION AS SHOWN.

OWNER \_\_\_\_\_ DATE \_\_\_\_\_

ARCHITECT \_\_\_\_\_ DATE \_\_\_\_\_

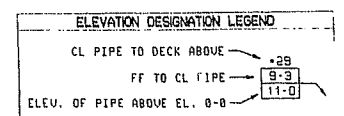
GENERAL CONT. \_\_\_\_\_ DATE \_\_\_\_\_

**HANGER DETAILS**



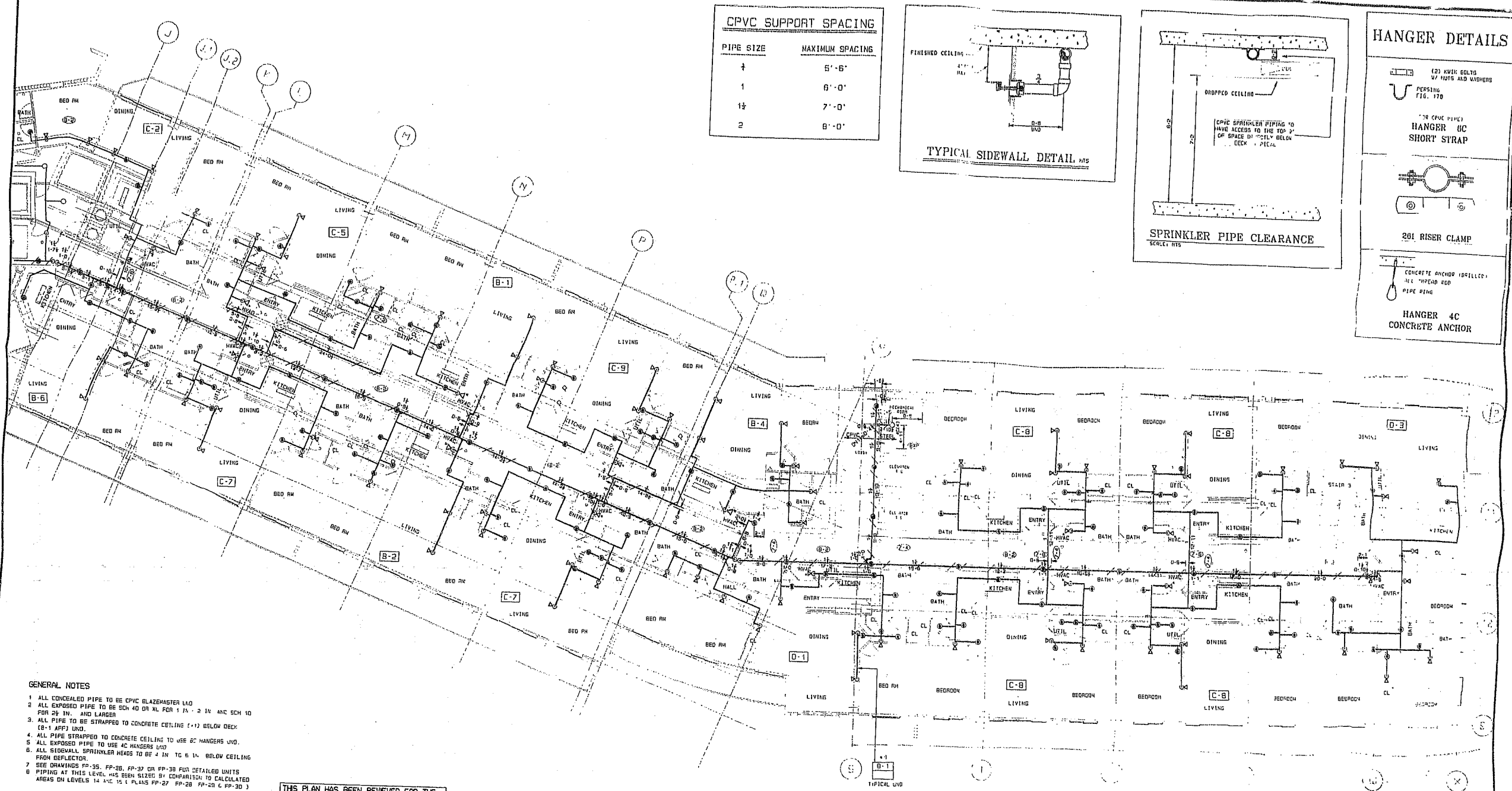
**PLAN VIEW / MID-RISE / EVEN FLOORS 8 THRU 14**

SCALE: 1/8" = 1'-0"  
 LEVEL 8 - FLOOR ELEV. 80'-7"  
 LEVEL 10 - FLOOR ELEV. 78'-3"  
 LEVEL 12 - FLOOR ELEV. 75'-11"  
 LEVEL 14 - FLOOR ELEV. 73'-7"

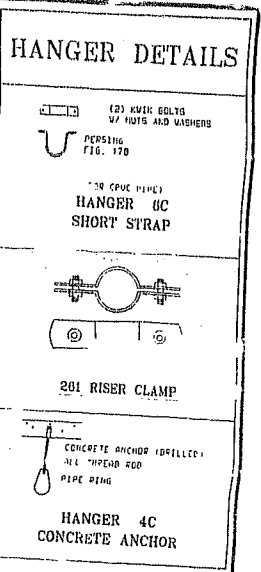
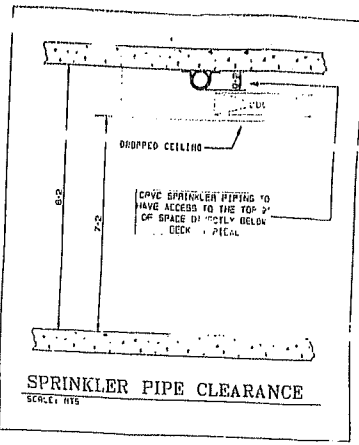
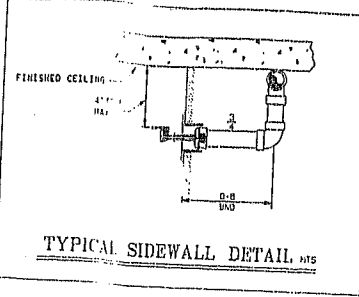


-ALL STEEL PIPE LENGTHS ARE CUT LENGTHS  
 -ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER LENGTHS

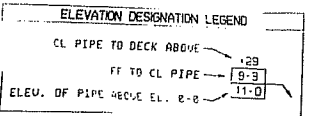
| <p><b>IMPORTANT</b></p> <p>IN ALL CASES, THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR PROVIDING ALL INFORMATION AND DATA NECESSARY FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE FIELD AND FOR PROVIDING IT TO THE DESIGNER. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE FIELD AND FOR PROVIDING IT TO THE DESIGNER. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE FIELD AND FOR PROVIDING IT TO THE DESIGNER.</p> | <p><b>CONTRACT RESPONSIBILITIES</b></p> <p>OWNER: PROVIDE ALL INFORMATION AND DATA NECESSARY FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. PROVIDE ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. OBTAIN ALL NECESSARY INFORMATION FROM THE FIELD AND PROVIDE IT TO THE DESIGNER.</p> <p>DESIGNER: DESIGN THE PROJECT. PROVIDE ALL NECESSARY INFORMATION AND DATA TO THE USER. PROVIDE ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. OBTAIN ALL NECESSARY INFORMATION FROM THE FIELD AND PROVIDE IT TO THE USER.</p> | <p><b>SYMBOLS</b></p> <p>PIPE: 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER. 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER. 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER. 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER. 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER. 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER. 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER. 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER. 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER. 1/2" P.O.V. WITH 1/2" X 1/2" ADAPTER.</p> | <p><b>SPRINKLERS/NOZZLES</b></p> <table border="1"> <thead> <tr> <th>NO.</th> <th>TYPE</th> <th>SIZE</th> <th>LOCATION</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> <tr> <td>2</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> <tr> <td>3</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> <tr> <td>4</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> <tr> <td>5</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> <tr> <td>6</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> <tr> <td>7</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> <tr> <td>8</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> <tr> <td>9</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> <tr> <td>10</td> <td>STANDARD</td> <td>1/2"</td> <td>CEILING</td> <td>QUICK-RESP. WHITE</td> </tr> </tbody> </table> | NO.               | TYPE | SIZE | LOCATION | NOTES | 1 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | 2 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | 3 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | 4 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | 5 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | 6 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | 7 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | 8 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | 9 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | 10 | STANDARD | 1/2" | CEILING | QUICK-RESP. WHITE | <p><b>APPROVALS</b></p> <p>DESIGNER: _____ DATE: _____</p> <p>OWNER: _____ DATE: _____</p> | <p><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7/14/00</td> <td>ISSUED FOR PERMITTING</td> </tr> </tbody> </table> | NO. | DATE | DESCRIPTION | 1 | 7/14/00 | ISSUED FOR PERMITTING | <p><b>SYSTEM INFO</b></p> <p>DESIGNER: STEVEN FELLER, P.E., INC.<br/>   2701 W. OAKLAND PARK BLVD., SUITE 310<br/>   OAKLAND PARK, FL 33111 954-939-7400</p> <p>OWNER: THE GRAND FLAMINGO<br/>   1500 BAY ROAD<br/>   HAVEN BEACH, FLORIDA</p> <p>PROJECT: LEVEL 8-14 EVEN - SOUTH</p> | <p><b>KEY PLAN</b></p> <p>1/8" = 1'-0"</p> <p>ALAN KENYON</p> <p>7/14/00</p> <p>PP-27</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------|------|----------|-------|---|----------|------|---------|-------------------|---|----------|------|---------|-------------------|---|----------|------|---------|-------------------|---|----------|------|---------|-------------------|---|----------|------|---------|-------------------|---|----------|------|---------|-------------------|---|----------|------|---------|-------------------|---|----------|------|---------|-------------------|---|----------|------|---------|-------------------|----|----------|------|---------|-------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-------------|---|---------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SIZE                                                                                                                                                                                                                                                                                                                                                                                                                           | LOCATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NOTES             |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                           | CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QUICK-RESP. WHITE |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                           | CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QUICK-RESP. WHITE |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                           | CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QUICK-RESP. WHITE |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                           | CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QUICK-RESP. WHITE |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                           | CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QUICK-RESP. WHITE |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                           | CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QUICK-RESP. WHITE |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                           | CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QUICK-RESP. WHITE |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                           | CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QUICK-RESP. WHITE |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                           | CEILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QUICK-RESP. WHITE |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |
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| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7/14/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ISSUED FOR PERMITTING                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |      |      |          |       |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |   |          |      |         |                   |    |          |      |         |                   |                                                                                            |                                                                                                                                                                                                                        |     |      |             |   |         |                       |                                                                                                                                                                                                                                                                                        |                                                                                           |



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



- GENERAL NOTES**
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  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 (18" APFT) UNO.
  4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE 6C 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 DEFLECTOR.
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  8. PIPING AT THIS LEVEL HAS BEEN SIZED BY COMPARISON TO CALCULATED AREAS ON LEVELS 14 AND 15. PLANS PP-27, PP-28, PP-29 & PP-30.



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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 80-7

LEVEL 10 - FLOOR ELEV 78-3

LEVEL 12 - FLOOR ELEV 55-11

LEVEL 14 - FLOOR ELEV 113-7

|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IMPORTANT</b><br>IN ORDERING, QUOTE THE FOLLOWING: PROJECT NO., FLOOR, ROOM NO., PIPE SIZE, TYPE OF VALVE, CONTROL, AND ANY OTHER INFORMATION THAT MAY BE REQUIRED BY THE MANUFACTURER. THE MANUFACTURER'S LITERATURE SHOULD BE REFERRED TO FOR THE LATEST INFORMATION. THE MANUFACTURER'S LITERATURE SHOULD BE REFERRED TO FOR THE LATEST INFORMATION. THE MANUFACTURER'S LITERATURE SHOULD BE REFERRED TO FOR THE LATEST INFORMATION. | <b>CONTRACT RESPONSIBILITIES</b><br>OWNER: _____<br>ARCHITECT: _____<br>GENERAL CONT: _____ | <b>SYMBOLS</b><br>SPRINKLER HEADS: S<br>VALVES: V<br>ELBOWS: E<br>TEES: T<br>COUPLERS: C<br>UNIONS: U<br>FLANGES: F<br>GASKETS: G<br>NUTS: N<br>WASHERS: W<br>BOLTS: B<br>ANCHORS: A<br>HANGERS: H<br>STRAPS: S<br>CLAMPS: C<br>RISER CLAMPS: R<br>CONCRETE ANCHORS: A<br>PIPE BENDS: B<br>PIPE TEES: T<br>PIPE COUPLERS: C<br>PIPE UNIONS: U<br>PIPE FLANGES: F<br>PIPE GASKETS: G<br>PIPE NUTS: N<br>PIPE WASHERS: W<br>PIPE BOLTS: B<br>PIPE ANCHORS: A<br>PIPE HANGERS: H<br>PIPE STRAPS: S<br>PIPE CLAMPS: C<br>PIPE RISER CLAMPS: R<br>PIPE CONCRETE ANCHORS: A<br>PIPE PIPE BENDS: B<br>PIPE PIPE TEES: T<br>PIPE PIPE COUPLERS: C<br>PIPE PIPE UNIONS: U<br>PIPE PIPE FLANGES: F<br>PIPE PIPE GASKETS: G<br>PIPE PIPE NUTS: N<br>PIPE PIPE WASHERS: W<br>PIPE PIPE BOLTS: B<br>PIPE PIPE ANCHORS: A<br>PIPE PIPE HANGERS: H<br>PIPE PIPE STRAPS: S<br>PIPE PIPE CLAMPS: C<br>PIPE PIPE RISER CLAMPS: R<br>PIPE PIPE CONCRETE ANCHORS: A | <b>SPRINKLERS/NOZZLES</b><br>SPRINKLER HEADS: S<br>VALVES: V<br>ELBOWS: E<br>TEES: T<br>COUPLERS: C<br>UNIONS: U<br>FLANGES: F<br>GASKETS: G<br>NUTS: N<br>WASHERS: W<br>BOLTS: B<br>ANCHORS: A<br>HANGERS: H<br>STRAPS: S<br>CLAMPS: C<br>RISER CLAMPS: R<br>CONCRETE ANCHORS: A<br>PIPE BENDS: B<br>PIPE TEES: T<br>PIPE COUPLERS: C<br>PIPE UNIONS: U<br>PIPE FLANGES: F<br>PIPE GASKETS: G<br>PIPE NUTS: N<br>PIPE WASHERS: W<br>PIPE BOLTS: B<br>PIPE ANCHORS: A<br>PIPE HANGERS: H<br>PIPE STRAPS: S<br>PIPE CLAMPS: C<br>PIPE RISER CLAMPS: R<br>PIPE CONCRETE ANCHORS: A<br>PIPE PIPE BENDS: B<br>PIPE PIPE TEES: T<br>PIPE PIPE COUPLERS: C<br>PIPE PIPE UNIONS: U<br>PIPE PIPE FLANGES: F<br>PIPE PIPE GASKETS: G<br>PIPE PIPE NUTS: N<br>PIPE PIPE WASHERS: W<br>PIPE PIPE BOLTS: B<br>PIPE PIPE ANCHORS: A<br>PIPE PIPE HANGERS: H<br>PIPE PIPE STRAPS: S<br>PIPE PIPE CLAMPS: C<br>PIPE PIPE RISER CLAMPS: R<br>PIPE PIPE CONCRETE ANCHORS: A | <b>ABBREVIATIONS</b><br>ADJ: ADJUTANT<br>AL: ALTERNATE<br>AS: AS SHOWN<br>B: BATH<br>C: CLOSET<br>CL: CLOSET<br>D: DINING<br>E: ENTRY<br>F: FLOOR<br>G: GARAGE<br>H: HALL<br>I: INTERIOR<br>K: KITCHEN<br>L: LIVING<br>M: MASTER<br>N: NORTH<br>O: OFFICE<br>P: PORCH<br>R: REAR<br>S: SLEEPING<br>T: TERRACE<br>U: UTILITY<br>V: VALVE<br>W: WALKWAY<br>X: EXTERIOR<br>Y: YARD<br>Z: ZONE | <b>THE GRAND FLAMINGO</b><br>500 BAY ROAD<br>MIAMI BEACH, FLORIDA<br>LEVEL 8-14 REVENO - NORTH<br>HYDRAULIC DESIGN DATA<br>DATE: 7/14/88<br>PP-28 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|



LASON SYSTEM'S INC. S.E.

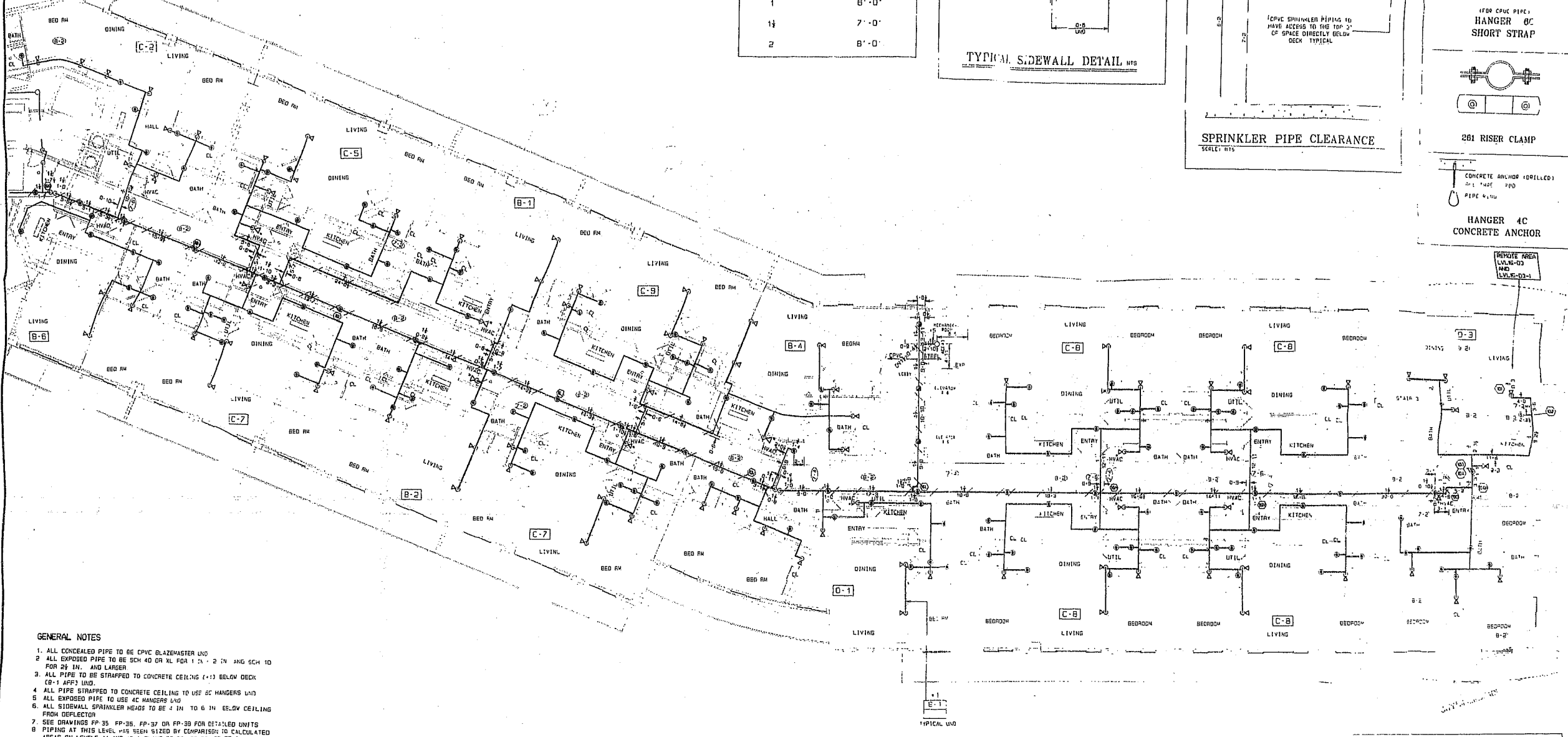
6934 N.W. 12 STREET, MIAMI, FLORIDA 33126  
305-477-9149 • 800-287-4199 • FAX 305-477-7576

# PREVIOUS DOCUMENT

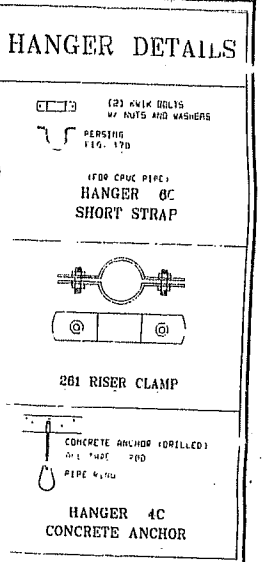
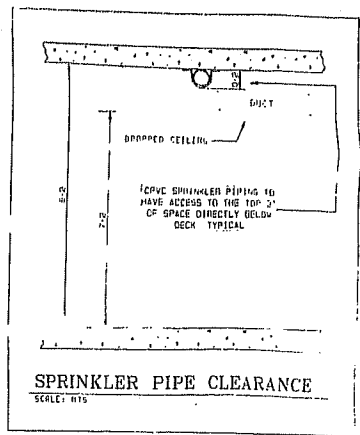
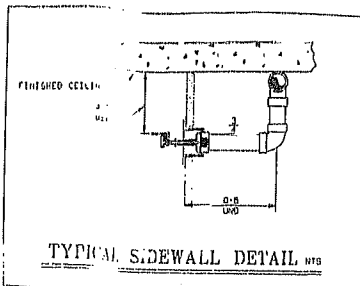
IS  
a photocopy in poor  
condition



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 UNO
2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1/2" - 2" IN. AND SCH 10 FOR 2 1/2" IN. AND LARGER
3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (+1) BELOW DECK
4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE 8C 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 DEFLECTOR
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 AND 15. PLANS PP-27, PP-28, PP-29 & PP-30

**ELEVATION DESIGNATION LEGEND**

1" PIPE TO DECK ABOVE +20  
1" PIPE TO DECK BELOW -20  
ELEV. OF PIPE - ELEV. OF DECK

-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: 1/8" = 1'-0"  
LEVEL 9 - FLOOR ELEV. 80'-5"  
LEVEL 11 - FLOOR ELEV. 87'-1"  
LEVEL 13 - FLOOR ELEV. 101'-9"  
LEVEL 15 - FLOOR ELEV. 108'-5"

KEY PLAN

**STEVEN FELLER, P.E., INC.**  
CONSULTING ENGINEERS  
2701 N. OAKLAND PARK BLVD., SUITE 310  
OAKLAND PARK, FL 33211 813-433-7488

**Brinnell Fire Protection**  
LOCAL OFFICE: 2702 WEST 10TH STREET, MIAMI, FL 33135 305-441-8877

**SYSTEM INFO**

|      |                |
|------|----------------|
| TYPE | RESIDENTIAL    |
| AREA | 11,111 SQ. FT. |
| DATE | 10-21-03       |

**THE GRAND FLAMINGO**  
800 BAY ROAD  
MIAMI BEACH, FLORIDA

LEVEL 9-15 (ODD) - NORTH

1/8" = 1'-0"  
DATE: 7-14-03  
PP-30

**CONTRACT RESPONSIBILITIES**

|              |                           |
|--------------|---------------------------|
| DESIGN       | STEVEN FELLER, P.E., INC. |
| ENGINEERING  | STEVEN FELLER, P.E., INC. |
| CONSTRUCTION | OWNER                     |

**SYMBOLS**

|                |                |
|----------------|----------------|
| SPRINKLER HEAD | SPRINKLER HEAD |
| SPRINKLER HEAD | SPRINKLER HEAD |
| SPRINKLER HEAD | SPRINKLER HEAD |

**SPRINKLERS/NOZZLES**

| NO. | TYPE     | SIZE | SPACING | NOTES          |
|-----|----------|------|---------|----------------|
| 1   | STANDARD | 1/2" | 16'-0"  | QUICK RESPONSE |
| 2   | STANDARD | 1/2" | 16'-0"  | QUICK RESPONSE |
| 3   | STANDARD | 1/2" | 16'-0"  | QUICK RESPONSE |

**ABBREVIATIONS**

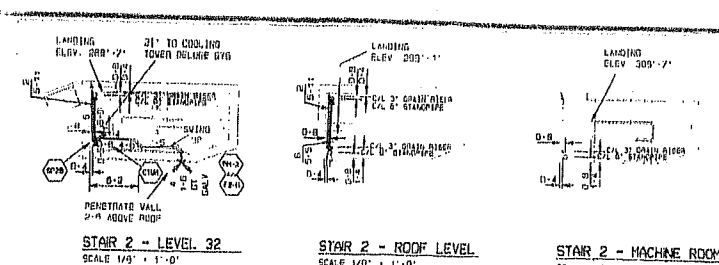
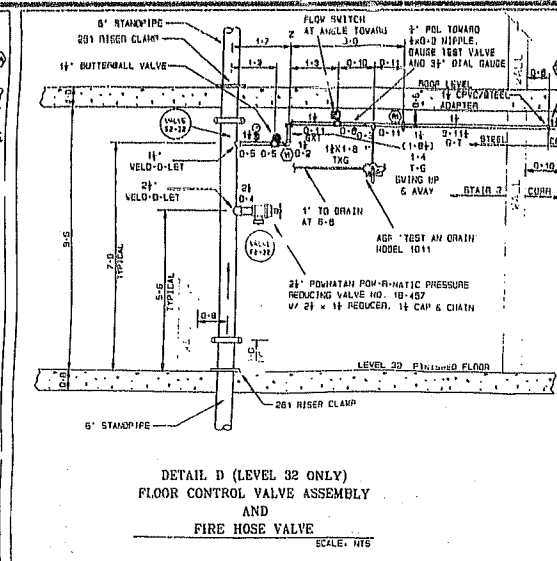
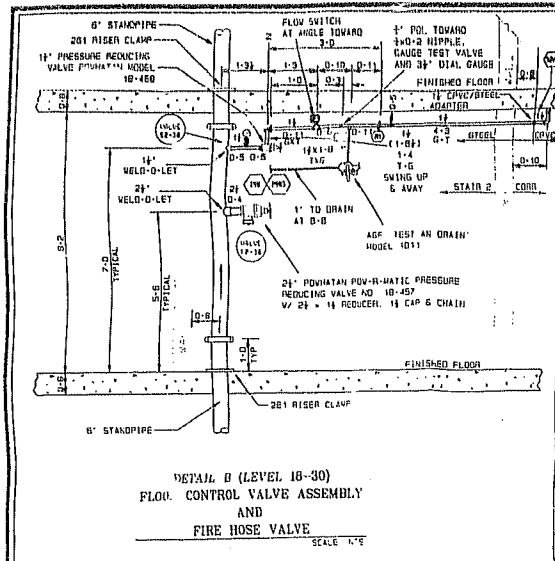
|             |             |
|-------------|-------------|
| RESIDENTIAL | RESIDENTIAL |
| RESIDENTIAL | RESIDENTIAL |
| RESIDENTIAL | RESIDENTIAL |

**REVISIONS**

|     |                          |          |
|-----|--------------------------|----------|
| NO. | DESCRIPTION              | DATE     |
| 1   | ISSUED FOR PERMIT        | 10-21-03 |
| 2   | REVISED FOR CONSTRUCTION | 07-14-03 |

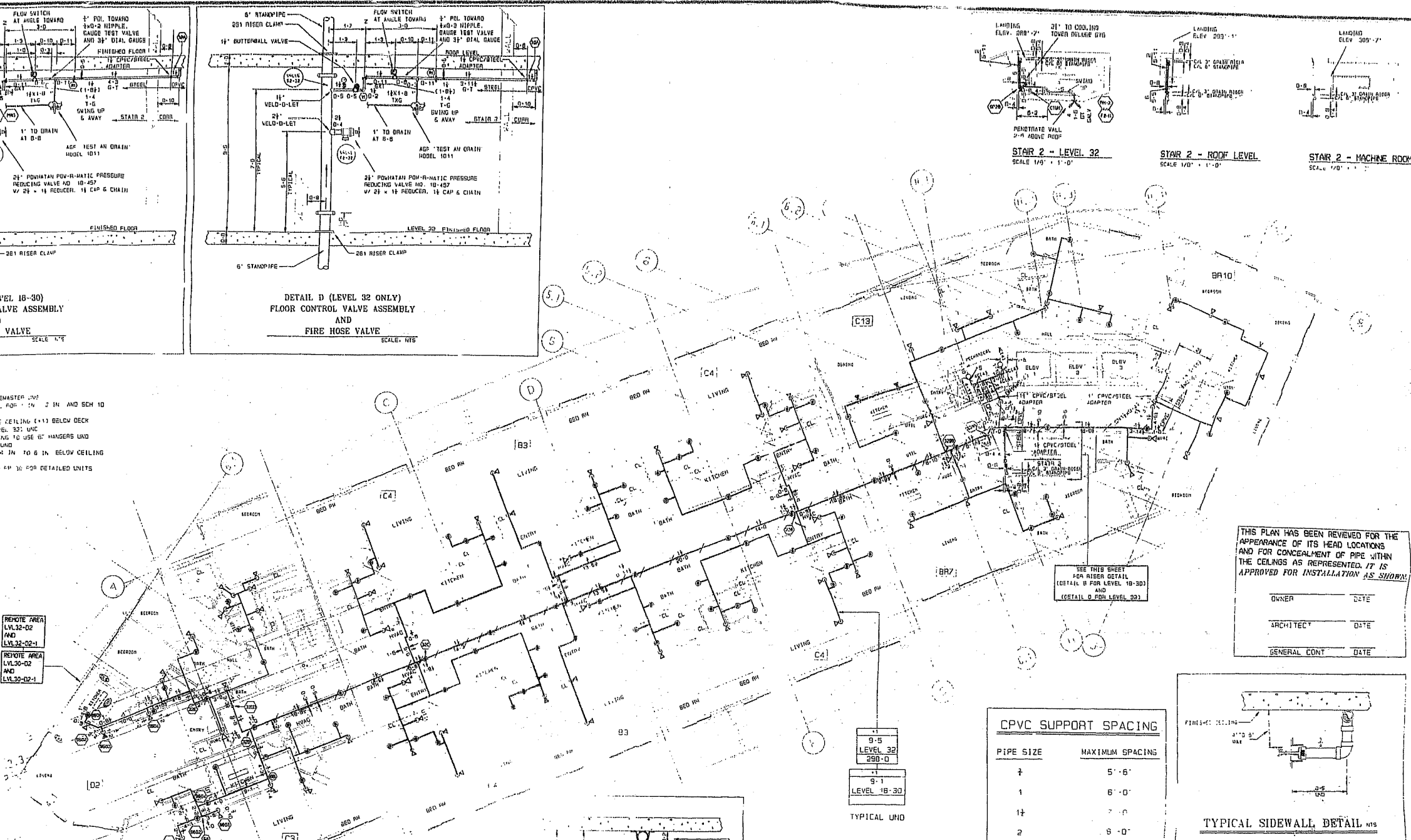
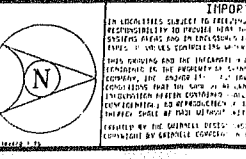
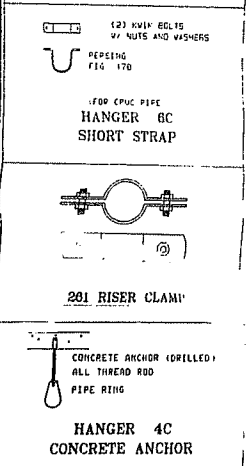






- GENERAL NOTES**
1. ALL CONCEALED PIPE TO BE CPVC GLAZEMASTER UNLESS NOTED OTHERWISE.
  2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 2 IN. AND SCH 10 FOR 2 1/2 IN. AND LARGER.
  3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (111) BELOW DECK (9-1) AFF LEVEL 18-30 (9-5) AFF LEVEL 32 UNLESS NOTED OTHERWISE.
  4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE 6 IN. HANGERS UNLESS NOTED OTHERWISE.
  5. ALL EXPOSED PIPE TO USE 4 IN. HANGERS UNLESS NOTED OTHERWISE.
  6. ALL SIDEWALL SPRINKLER HEADS TO BE 4 IN. TO 6 IN. BELOW CEILING FROM DEFLECTOR.
  7. SEE DRAWINGS PP 35, 36, 37, 38, 39, 40, 41, 42 FOR DETAILED UNITS.

**HANGER DETAILS**



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.

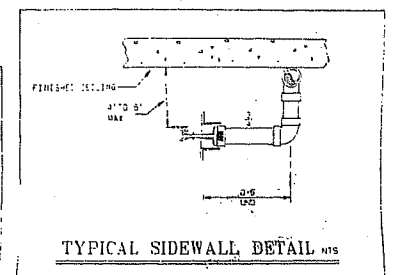
OWNER \_\_\_\_\_ DATE \_\_\_\_\_

ARCHITECT \_\_\_\_\_ DATE \_\_\_\_\_

GENERAL CONT. \_\_\_\_\_ DATE \_\_\_\_\_

**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 18 THRU 32**

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

LEVEL 18 - FLOOR ELEV. 150'-11"

LEVEL 20 - FLOOR ELEV. 170'-3"

LEVEL 22 - FLOOR ELEV. 190'-3"

LEVEL 24 - FLOOR ELEV. 209'-11"

LEVEL 26 - FLOOR ELEV. 229'-7"

LEVEL 28 - FLOOR ELEV. 249'-3"

LEVEL 30 - FLOOR ELEV. 269'-11"

LEVEL 32 - FLOOR ELEV. 289'-3"

POOF - FLOOR ELEV. 299'-1"

**ELEVATION DESIGNATION LEGEND**

CL PIPE TO DECK ABOVE → 25

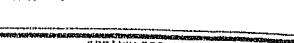
FF TO CL PIPE → 9-3

ELEV. OF PIPE ABOVE EL. 1'-0" → 11-0

-ALL STEEL PIPE LENGTHS ARE CUT LENGTHS

-ALL CPVC PIPE LENGTHS ARE CENTER TO CENTER LENGTHS

**SPRINKLER PIPE CLEARANCE**



**STEVEN FELLER, P.E. INC.**  
2701 W. OAKLAND PARK BLVD., SUITE 310  
OAKLAND PARK, FL 33111 954-728-7400

**THE GRAND FLAMINGO**  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

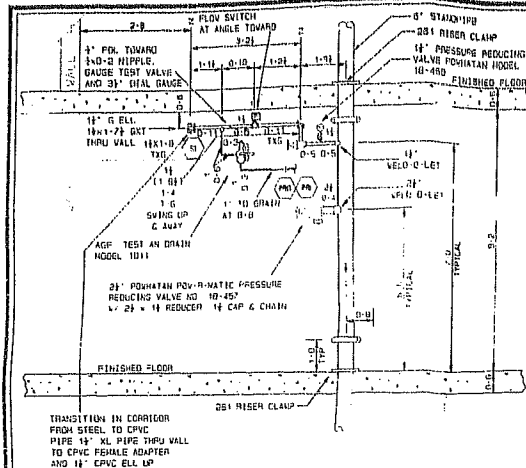
LEVEL 18-32 EVEN - SOUTH

DESIGNED BY: ALAN KROCK

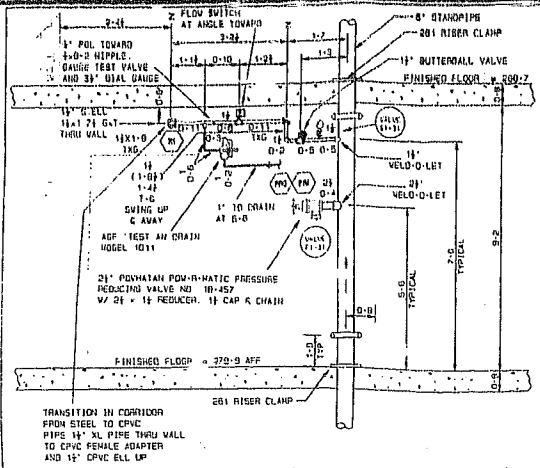
CHECKED BY: TIM BURENFELD

DATE: 7-28-00

PP-33



DETAIL A (LEVEL 19-29)  
FLOOR CONTROL VALVE ASSEMBLY  
AND  
FIRE HOSE VALVE  
SCALE: NTS

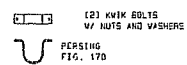


DETAIL C (LEVEL 31 ONLY)  
FLOOR CONTROL VALVE ASSEMBLY  
AND  
FIRE HOSE VALVE  
SCALE: NTS

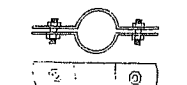
#### GENERAL NOTES

1. ALL CONCEALED PIPE TO BE CPVC BLAZEMASTER UND
2. ALL EXPOSED PIPE TO BE SCH 40 OR XL FOR 1" IN. AND SCH 10 FOR 2" IN. AND LARGER
3. ALL PIPE TO BE STRAPPED TO CONCRETE CEILING (1" BELOW DECK (5'-1" AFF LEVEL 19-29) (5'-5" AFF LEVEL 31) UND
4. ALL PIPE STRAPPED TO CONCRETE CEILING TO USE EC 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 CEILING
7. SEE DRAWINGS PP-35, PP-36, PP-37, OR PP-38 FOR DETAILED UNITS

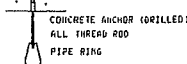
#### HANGER DETAILS



(FOR CPVC PIPE)  
HANGER 6C  
SHORT STRAP



201 RISER CLAMP



HANGER 4C  
CONCRETE ANCHOR



IMPORTANT  
IN LOCATING SUBJECT TO PROJECT, CONSULT THE DESIGNER'S NOTES AND THE SPECIFICATIONS FOR THE PROJECT. THE DESIGNER'S NOTES AND THE SPECIFICATIONS FOR THE PROJECT ARE THE PRIMARY SOURCE OF INFORMATION FOR THE PROJECT. THE DESIGNER'S NOTES AND THE SPECIFICATIONS FOR THE PROJECT ARE THE PRIMARY SOURCE OF INFORMATION FOR THE PROJECT.

CONTRACT RESPONSIBILITIES  
OWNER: THE GRAND FLAMINGO  
DESIGNER: STEVEN FELLER, P.E. INC.  
INSTALLER: GRINNELL FIRE PROTECTION

SYMBOLS  
SPRINKLER: A circle with a cross inside.  
NOZZLE: A circle with a dot inside.

SPRINKLERS/NOZZLES  
SPRINKLER: A circle with a cross inside.  
NOZZLE: A circle with a dot inside.

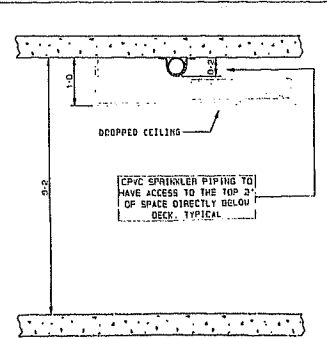
ABBREVIATIONS  
RESIDENTIAL: A circle with a cross inside.  
COMMERCIAL: A circle with a dot inside.

REVISIONS  
1. REVISED: A circle with a cross inside.  
2. REVISED: A circle with a dot inside.

APPROVALS  
DESIGNER: A circle with a cross inside.  
INSTALLER: A circle with a dot inside.

SYSTEM INFO  
THE GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

DATE: 7-26-00  
PP-34



SPRINKLER PIPE CLEARANCE  
SCALE: NTS

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

SCALE: 1/4" = 1'-0"  
LEVEL 19 - FLOOR ELEV. 160'-0"  
LEVEL 21 - FLOOR ELEV. 180'-0"  
LEVEL 23 - FLOOR ELEV. 200'-0"  
LEVEL 25 - FLOOR ELEV. 210'-0"  
LEVEL 27 - FLOOR ELEV. 230'-0"  
LEVEL 29 - FLOOR ELEV. 250'-0"  
LEVEL 31 - FLOOR ELEV. 270'-0"

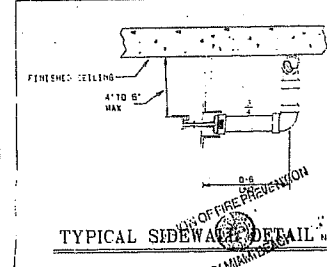
#### ELEVATION DESIGNATION LEGEND

CL PIPE TO DECK ABOVE  
FF TO CL PIPE  
ELEV. OF PIPE ABOVE EL. 0'-0"

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

#### CPVC SUPPORT SPACING

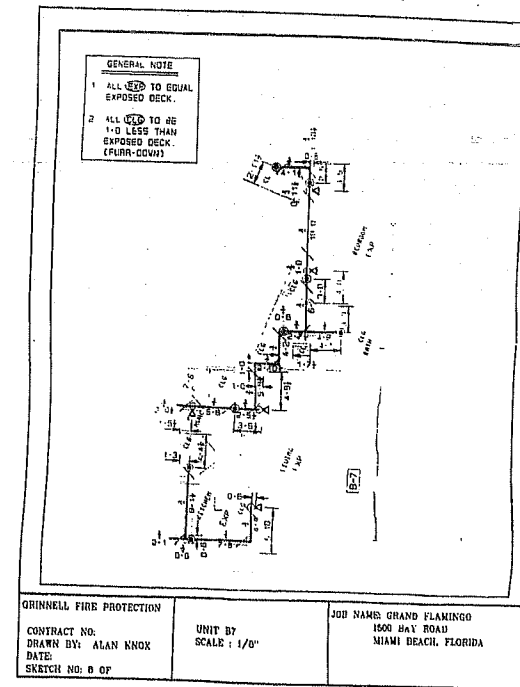
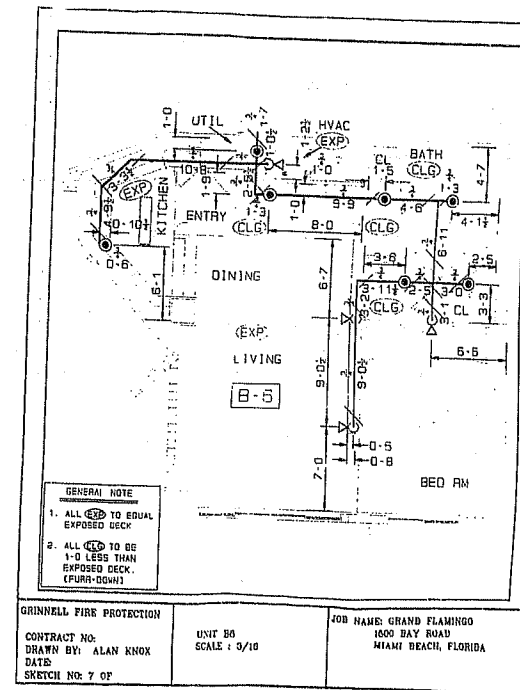
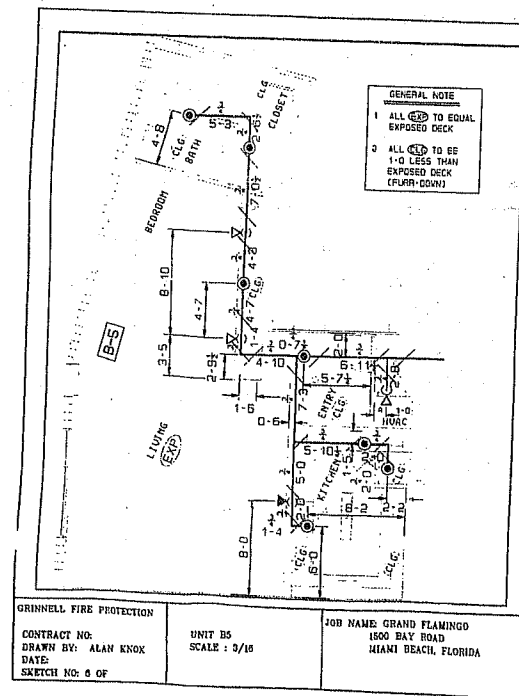
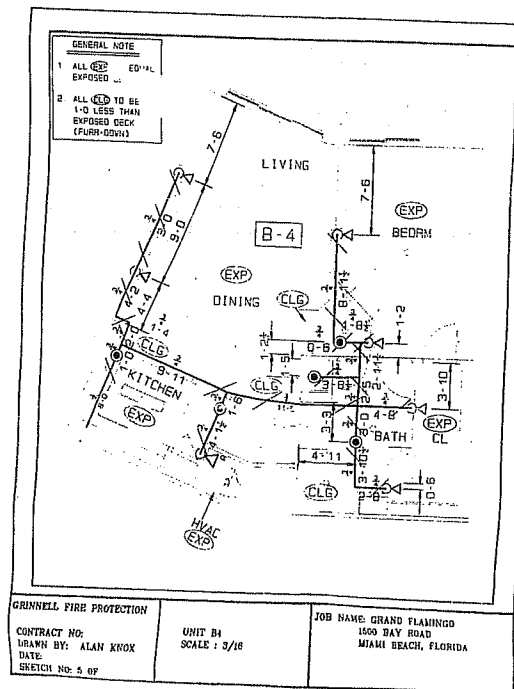
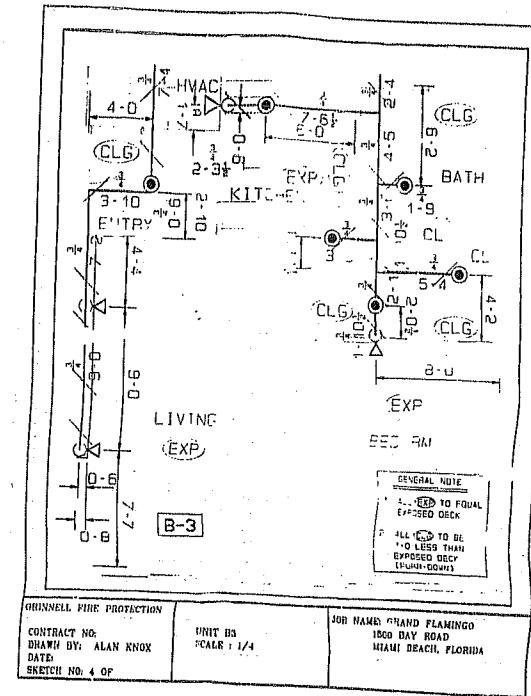
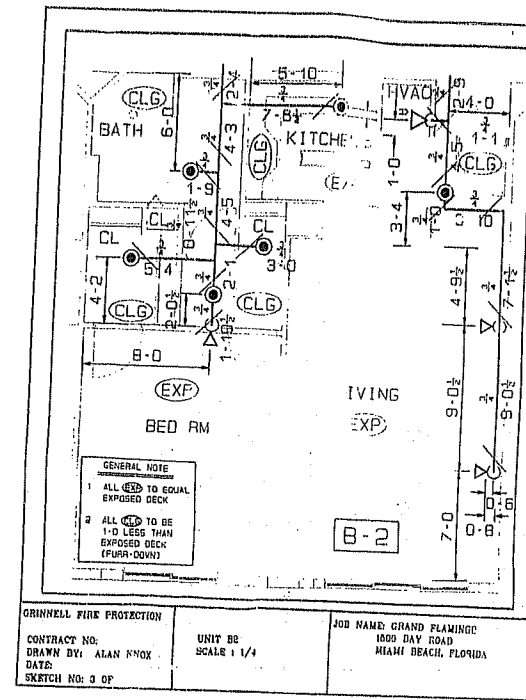
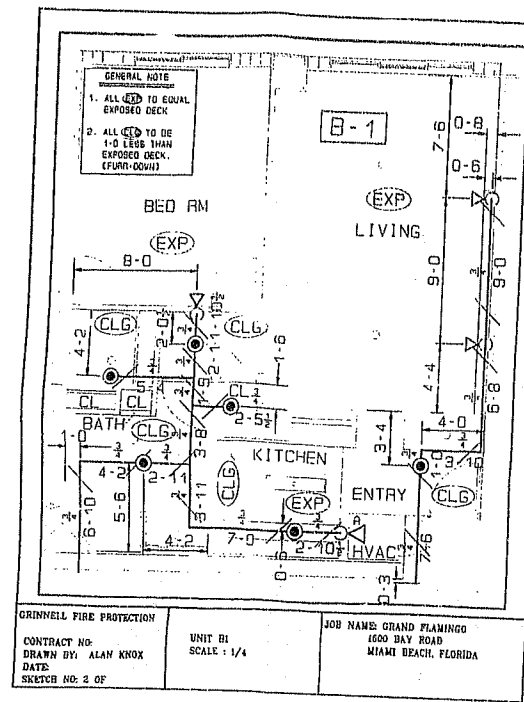
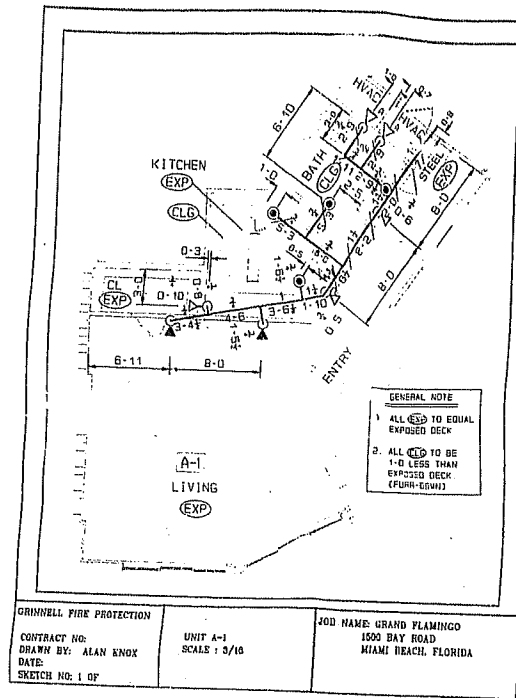
| PIPE SIZE | MAXIMUM SPACING |
|-----------|-----------------|
| 1/2"      | 5'-6"           |
| 1"        | 6'-0"           |
| 1 1/2"    | 7'-0"           |
| 2"        | 8'-0"           |



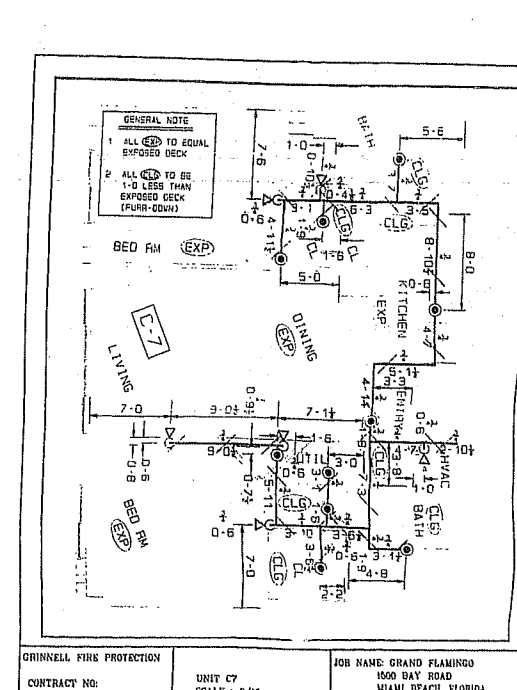
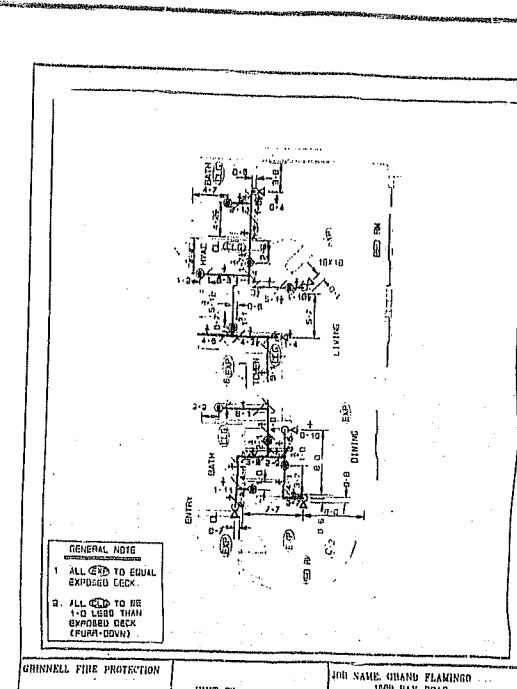
TYPICAL SIDEWALL DETAIL  
SCALE: NTS

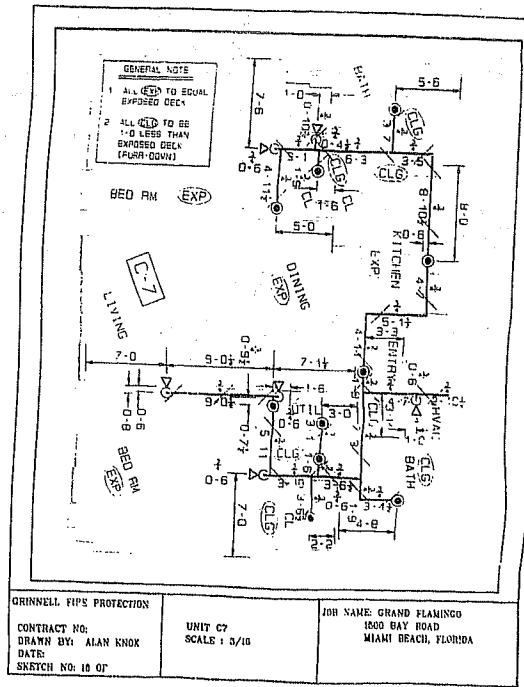
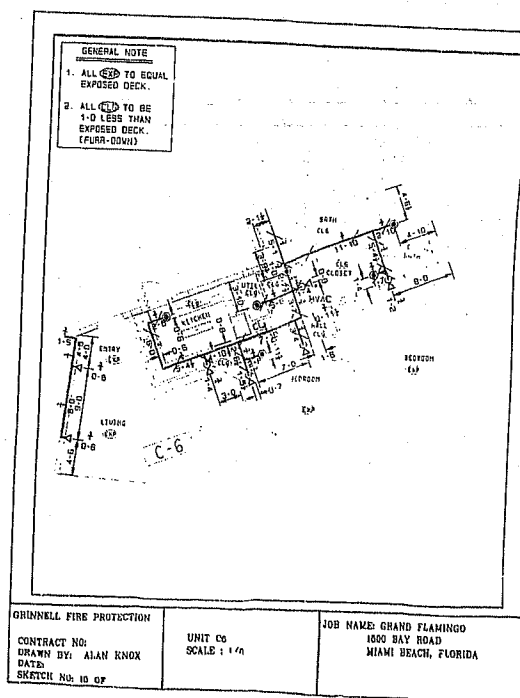
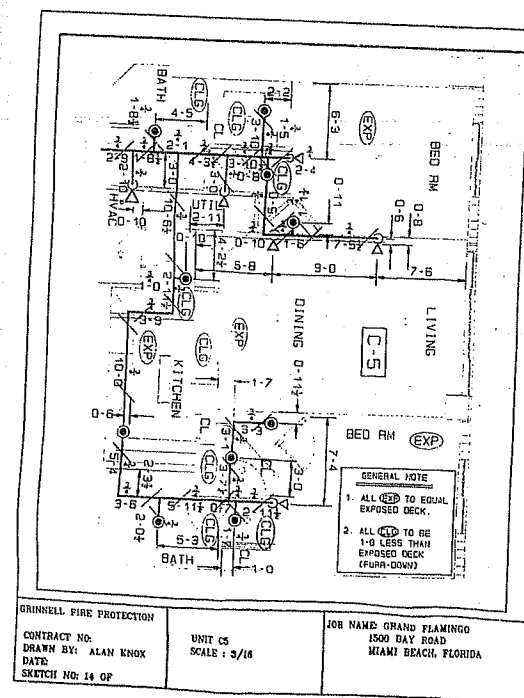
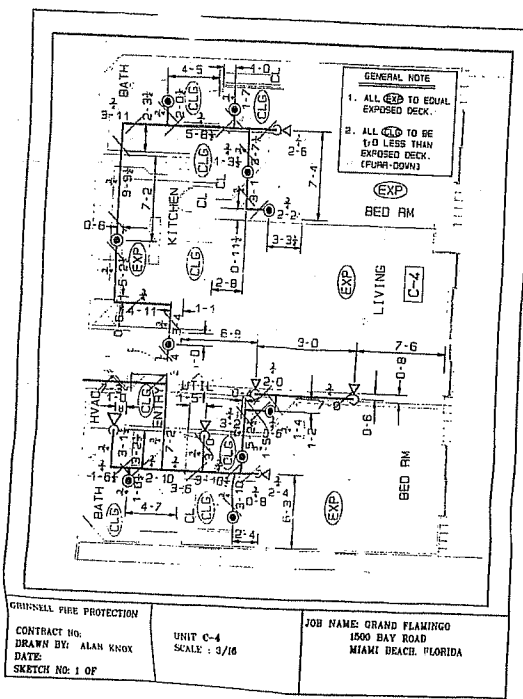
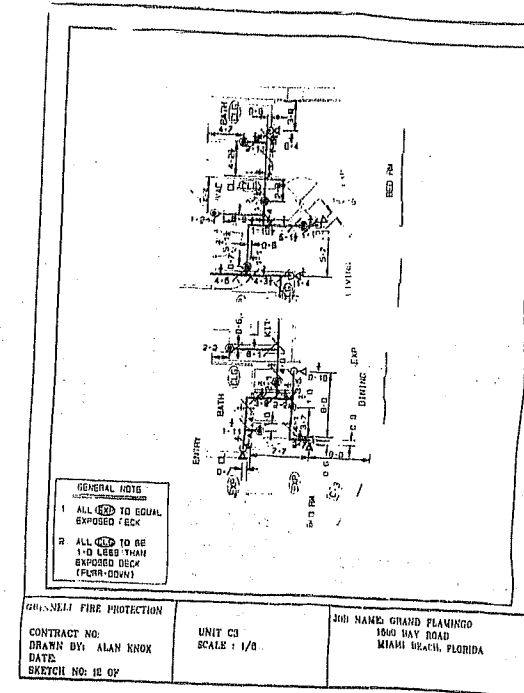
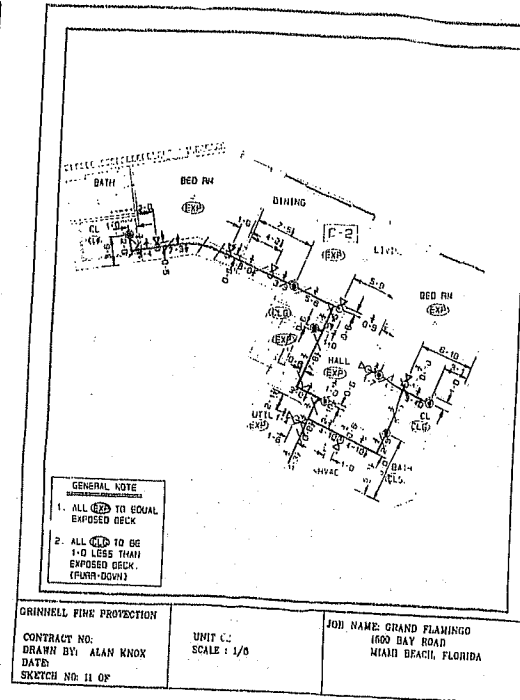
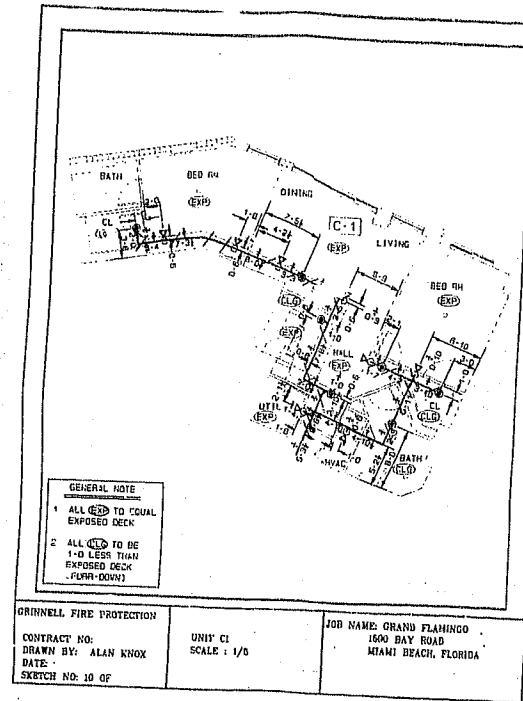
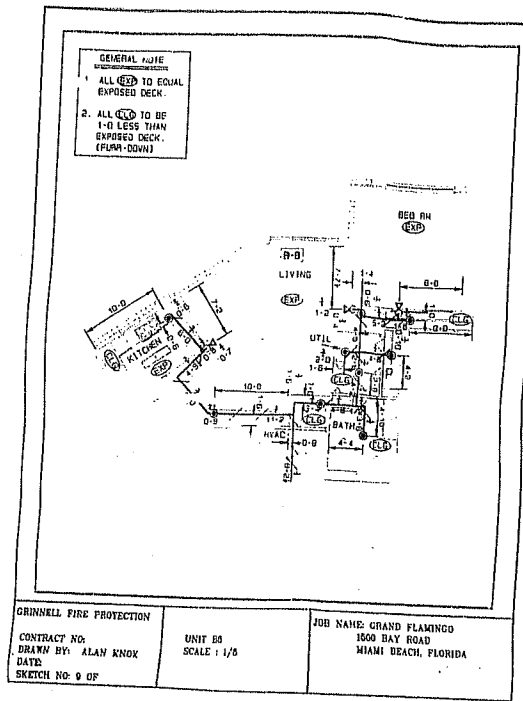
#### KEY PLAN

N

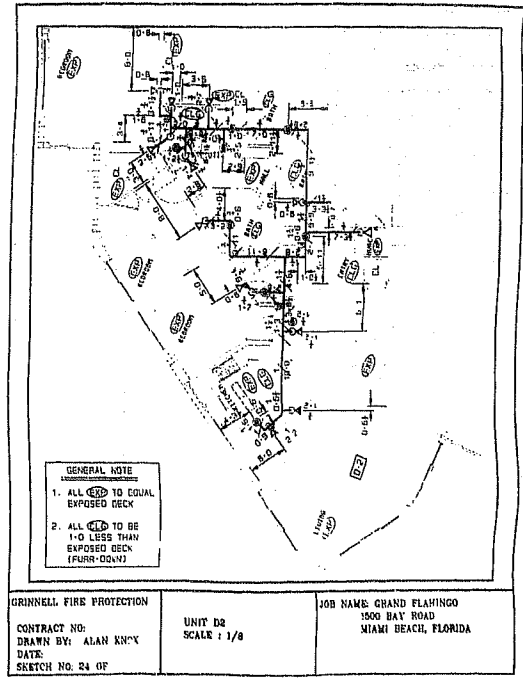
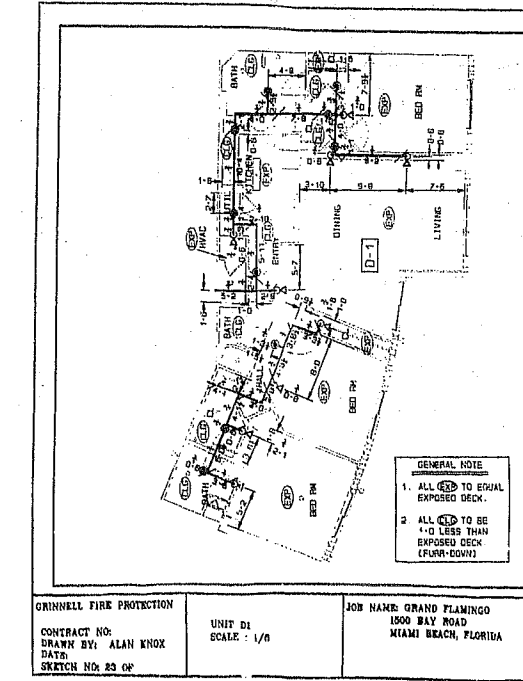
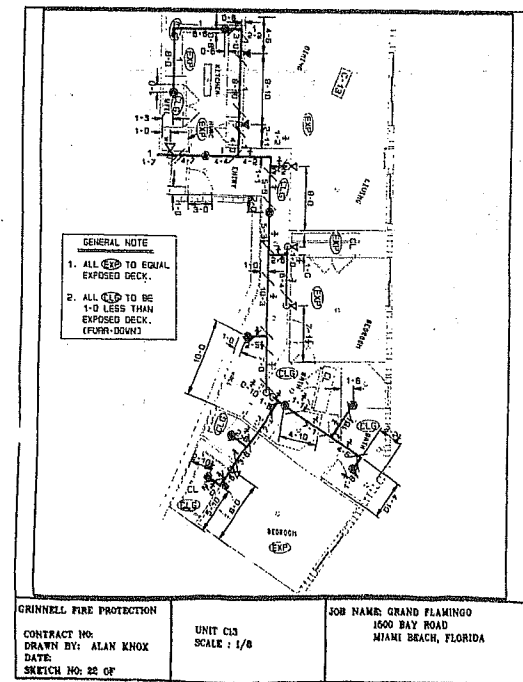
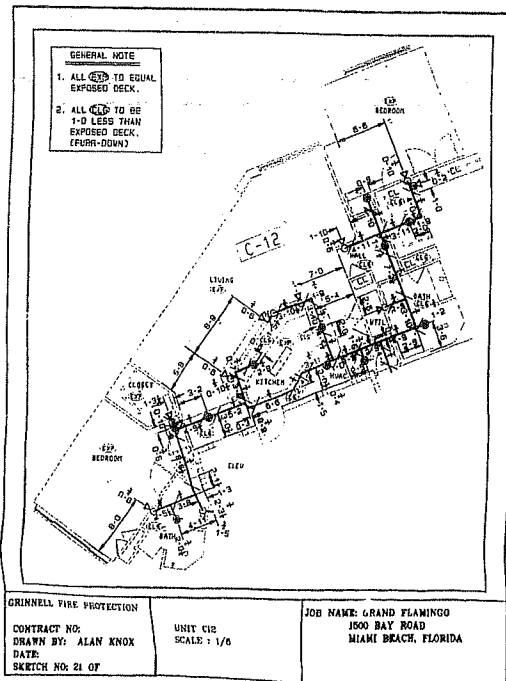
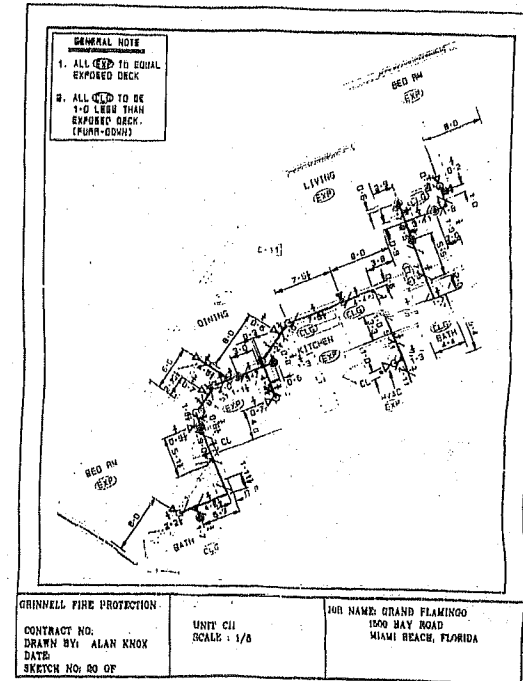
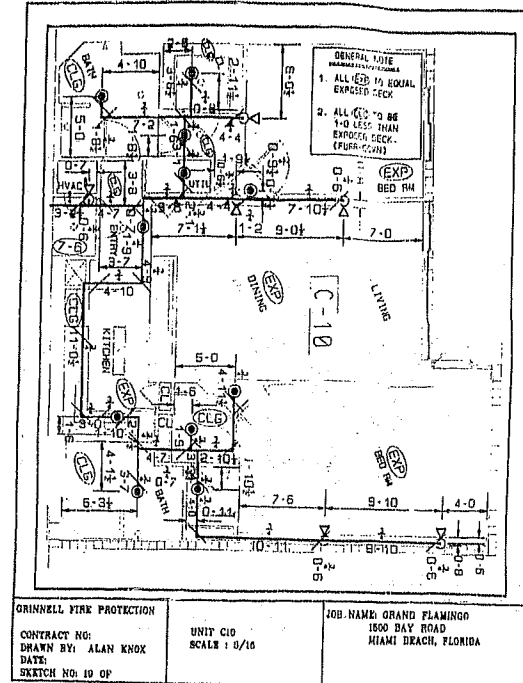
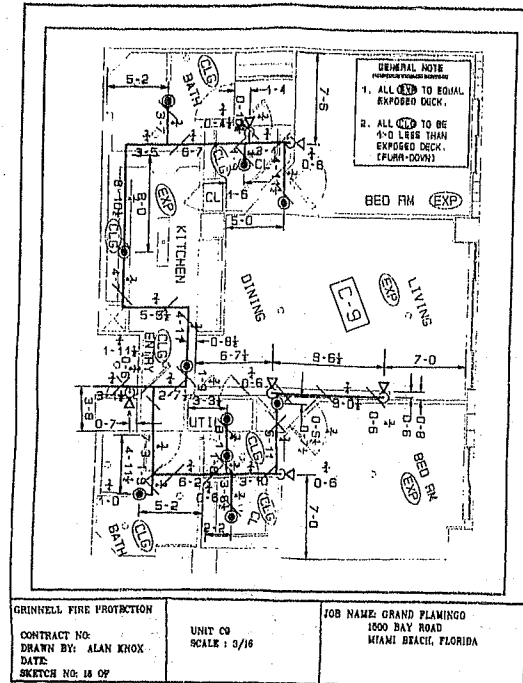
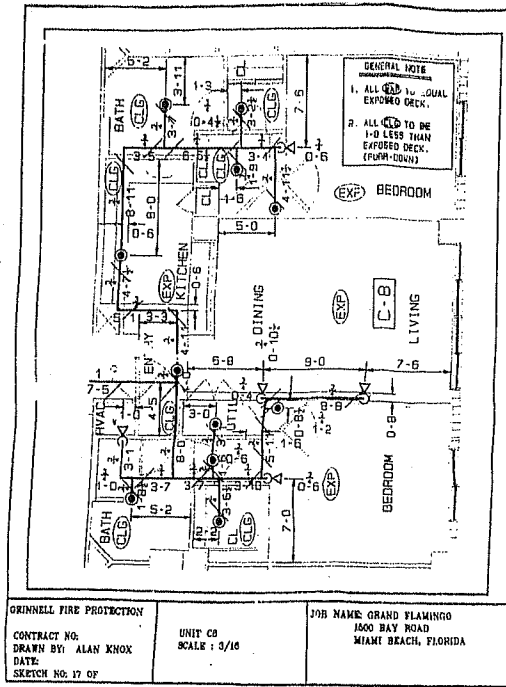


|                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                     |  |                                                                                                                                |  |                                                                                               |  |                                                                         |  |                                                                      |  |                                                                                   |  |                                                                                                              |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|----------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------|--|
| <b>IMPORTANT</b><br>IN ALL CASES, THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR THE PROPER INTERPRETATION AND APPLICATION OF THE SAME. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INTERPRETATION AND APPLICATION OF THE SAME. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INTERPRETATION AND APPLICATION OF THE SAME. |  | <b>CONTRACT RESPONSIBILITIES</b><br>CITY ENGINEERING: [ ]<br>ARCHITECT: [ ]<br>ELECTRICAL: [ ]<br>MECHANICAL: [ ]<br>PLUMBING: [ ]<br>STRUCTURAL: [ ]<br>OTHER: [ ] |  | <b>SYMBOLS</b><br>FIRE PROTECTION: [ ]<br>ELECTRICAL: [ ]<br>MECHANICAL: [ ]<br>PLUMBING: [ ]<br>STRUCTURAL: [ ]<br>OTHER: [ ] |  | <b>SPRINKLERS/NOZZLES</b><br>MODEL: [ ]<br>STYLE: [ ]<br>SIZE: [ ]<br>TYPE: [ ]<br>OTHER: [ ] |  | <b>ABBREVIATIONS</b><br>CLG: [ ]<br>EXP: [ ]<br>FURN: [ ]<br>OTHER: [ ] |  | <b>REVISIONS</b><br>NO. [ ]<br>DATE [ ]<br>BY [ ]<br>DESCRIPTION [ ] |  | <b>SYSTEM INFO</b><br>THE GRAND FLAMINGO<br>1500 BAY ROAD<br>MIAMI BEACH, FLORIDA |  | <b>AS NOTED</b><br>ALAN KNOX<br>TERRY BURCHFIELD<br>DALLAS CENTRAL DESIGN<br>27-427041-01<br>9/1/00<br>PP-35 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|----------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------|--|

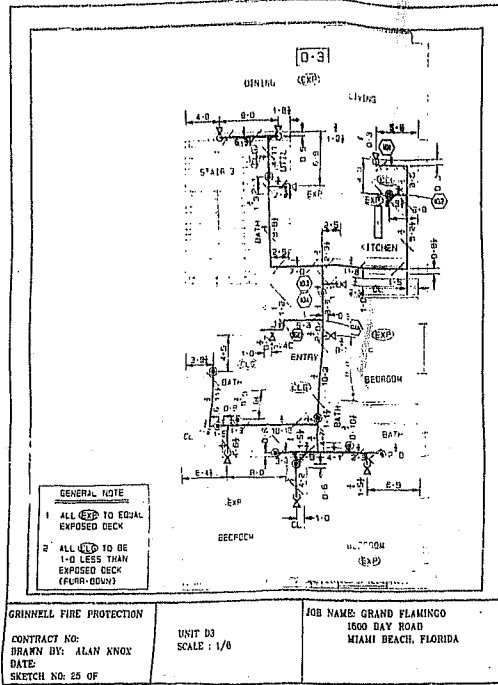
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                          |                                                                          |                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IMPORTANT</b><br>1. ALL EXP TO EQUAL EXPOSED DECK.<br>2. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>3. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>4. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>5. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>6. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>7. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>8. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>9. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>10. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN). | <b>CONTRACT RESPONSIBILITIES</b><br>1. ALL EXP TO EQUAL EXPOSED DECK.<br>2. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>3. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>4. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>5. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>6. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>7. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>8. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>9. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>10. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN). | <b>SYMBOLS</b><br>1. ALL EXP TO EQUAL EXPOSED DECK.<br>2. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>3. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>4. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>5. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>6. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>7. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>8. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>9. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>10. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN). | <b>SPRINKLERS/NOZZLES</b><br>1. ALL EXP TO EQUAL EXPOSED DECK.<br>2. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>3. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>4. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>5. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>6. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>7. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>8. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>9. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN).<br>10. ALL CLD TO BE 1-0 LESS THAN EXPOSED DECK (FLUSH-DOWN). | <b>STEVEN FELLER, P.E., INC.</b><br>CONSULTING ENGINEERS<br>2701 N. WILSON PARK BLVD., SUITE 310<br>OAKLAND PARK, FL 33061, 305-781-7000 | <b>Grinnell Fire Protection</b><br>1000 BAY ROAD<br>MIAMI BEACH, FLORIDA | <b>SYSTEM INFO</b><br>THE GRAND FLAMINGO<br>1000 BAY ROAD<br>MIAMI BEACH, FLORIDA<br>HYDRAULIC DESIGN PAGE 2 OF 2<br>27-427841-01<br>7/14/00<br>PP-35 |
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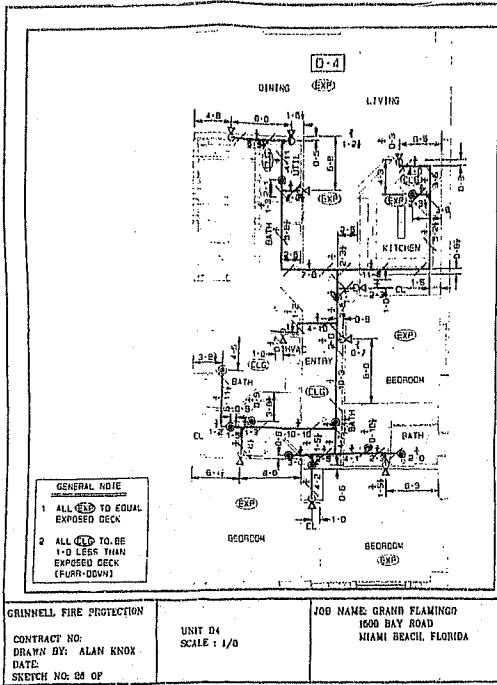
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>IMPORTANT</b><br>IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, THE DESIGNER IS NOT RESPONSIBLE FOR THE PROPER INSTALLATION OF THE SPRINKLER SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE SPRINKLER SYSTEM. |  | <b>CONTRACT RESPONSIBILITIES</b><br>DESIGN: GRINNELL FIRE PROTECTION<br>CONTRACTOR: [ ]<br>INSURANCE: [ ]<br>PERMITS: [ ]<br>TESTING: [ ]<br>MAINTENANCE: [ ] |  | <b>SYMBOLS</b><br>SPRINKLER: [ ]<br>NOZZLE: [ ]<br>VALVE: [ ]<br>PIPE: [ ]<br>FITTING: [ ]<br>HANGER: [ ]<br>BRACKET: [ ]<br>SUPPORT: [ ]<br>ANCHOR: [ ]<br>BOLT: [ ]<br>NUT: [ ]<br>WASHER: [ ]<br>GASKET: [ ]<br>SEAL: [ ]<br>O-RING: [ ]<br>GROMMET: [ ]<br>PLUG: [ ]<br>STOP: [ ]<br>END: [ ] |  | <b>SPRINKLER NOZZLES</b><br>NOZZLE: [ ]<br>TYPE: [ ]<br>SIZE: [ ]<br>MATERIAL: [ ]<br>FINISH: [ ]<br>COLOR: [ ]<br>WEIGHT: [ ]<br>LENGTH: [ ]<br>DIAMETER: [ ]<br>AREA: [ ]<br>VOLUME: [ ]<br>WEIGHT: [ ]<br>LENGTH: [ ]<br>DIAMETER: [ ]<br>AREA: [ ]<br>VOLUME: [ ] |  | <b>ABBREVIATIONS</b><br>GRINNELL: [ ]<br>KNOX: [ ]<br>FELLER: [ ]<br>INC.: [ ]<br>P.E.: [ ]<br>CONSULTING: [ ]<br>ENGINEERS: [ ]<br>ARCHITECTS: [ ]<br>PLANNERS: [ ]<br>ENGINEERS: [ ]<br>ARCHITECTS: [ ]<br>PLANNERS: [ ]<br>ENGINEERS: [ ]<br>ARCHITECTS: [ ]<br>PLANNERS: [ ] |  | <b>SYSTEM INFO</b><br>SYSTEM: [ ]<br>TYPE: [ ]<br>SIZE: [ ]<br>MATERIAL: [ ]<br>FINISH: [ ]<br>COLOR: [ ]<br>WEIGHT: [ ]<br>LENGTH: [ ]<br>DIAMETER: [ ]<br>AREA: [ ]<br>VOLUME: [ ]<br>WEIGHT: [ ]<br>LENGTH: [ ]<br>DIAMETER: [ ]<br>AREA: [ ]<br>VOLUME: [ ] |  | <b>THE GRAND FLAMINGO</b><br>1500 BAY ROAD<br>MIAMI BEACH, FLORIDA<br>UNIT PAGE 3 (C-8, C-9, C-10, C-11, C-12, D-1, D-2)<br>SCALE: AS NOTED<br>DRAWN BY: ALAN KNOX<br>CHECKED BY: TIM BURCHFIELD<br>DESIGNED BY: GRINNELL FIRE PROTECTION<br>CONTRACT NO. 1500 BAY ROAD<br>DATE: 10/1/77<br>SHEET NO. 24 OF 24 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|



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

UNIT D3  
SCALE: 1/8

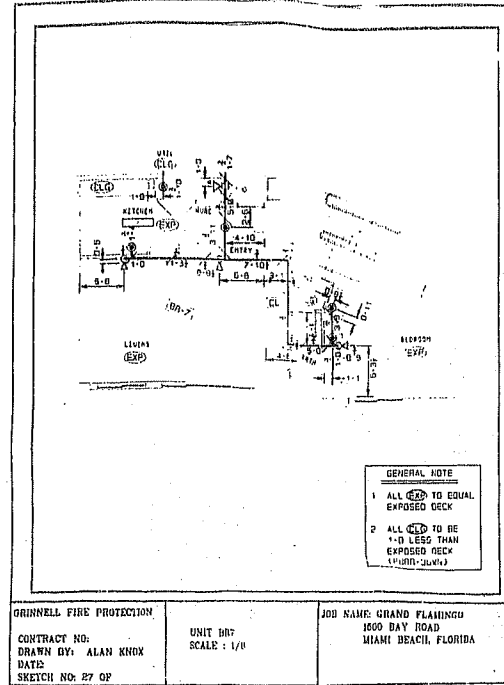
JOB NAME: GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA



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

UNIT D4  
SCALE: 1/8

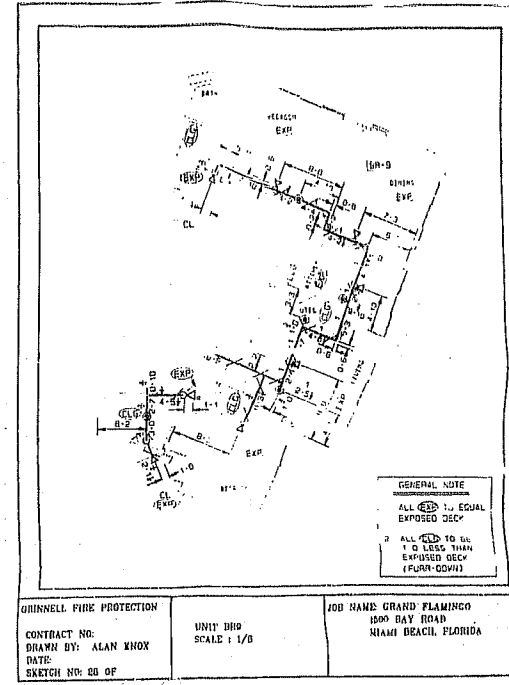
JOB NAME: GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA



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

UNIT D5  
SCALE: 1/8

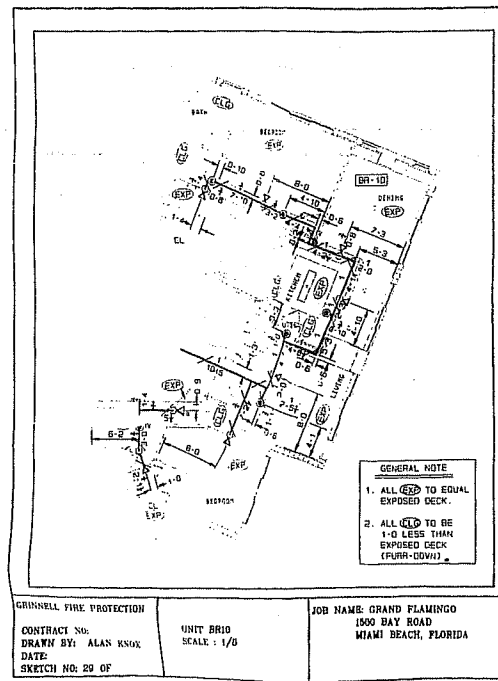
JOB NAME: GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA



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

UNIT D6  
SCALE: 1/8

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

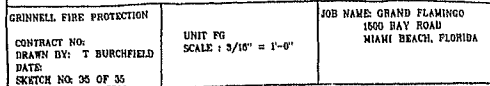
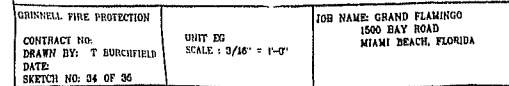
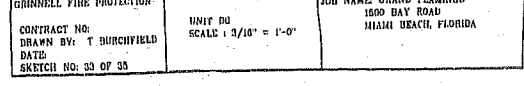
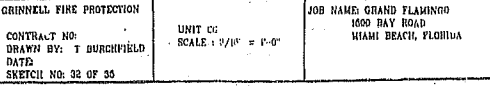
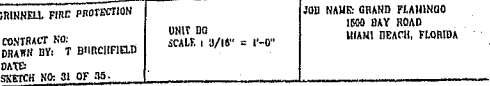
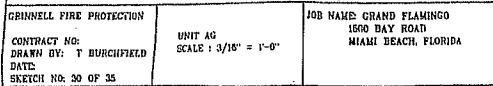


GRINNELL FIRE PROTECTION  
CONTRACT NO:  
DRAWN BY: ALAN KNOX  
DATE:  
SKETCH NO. 29 OF

UNIT D7  
SCALE: 1/8

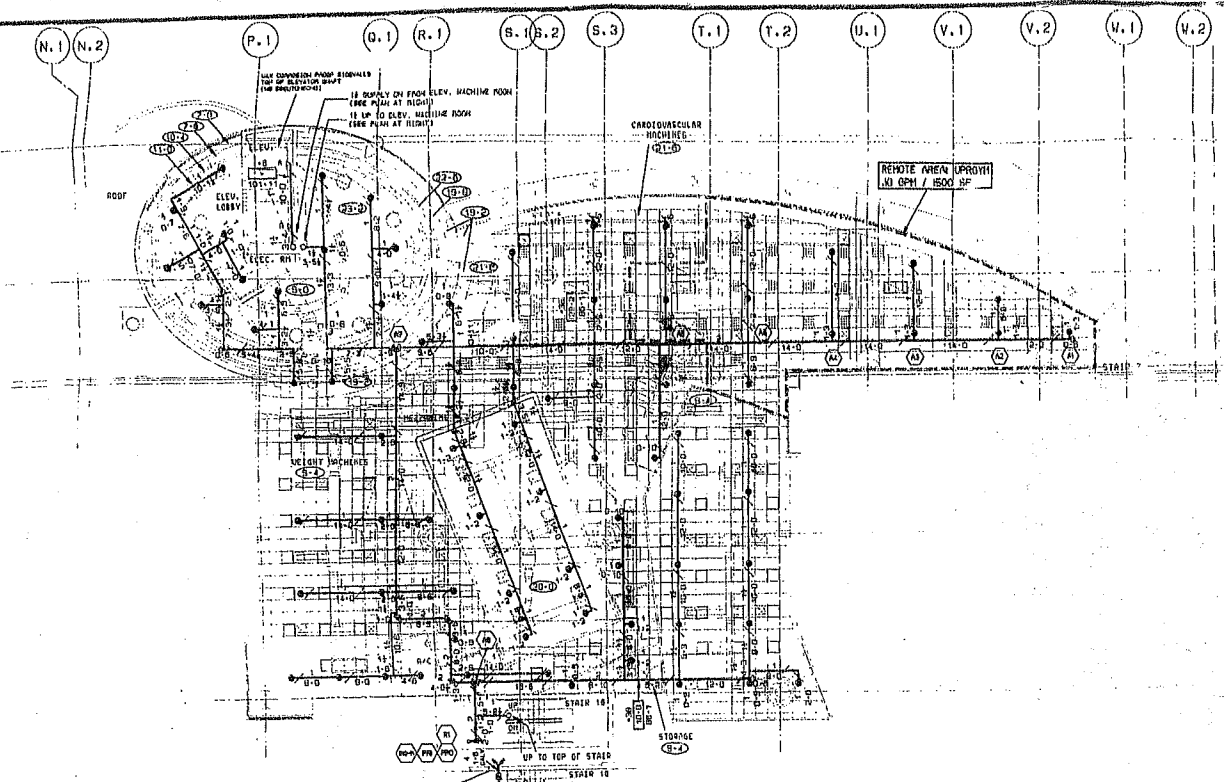
JOB NAME: GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

|                                                                                                                                                                                         |  |                                                                                                                                                  |  |                                                                                   |  |                                                                                                                                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>STEVEN FELLER P.E. INC.</b><br>CONSULTING ENGINEERS<br>2781 W. ORLAND PARK BLVD. S. STE 210<br>ORLAND PARK, IL 60161-1221                                                            |  | <b>Grinnell Fire Protection</b><br>EXECUTIVE OFFICE - HOUSTON, TEXAS, USA<br>LOCAL OFFICE: 2708 WEST WIND STREET, MIAMI, FL 33134 (305) 882-1828 |  | <b>SYSTEM INFO</b><br>THE GRAND FLAMINGO<br>1500 BAY ROAD<br>MIAMI BEACH, FLORIDA |  | AS NOTED<br>DRAWN BY: ALAN KNOX<br>CHECKED BY: TIM BURCHFIELD<br>DALLAS CENTRAL DESIGN<br>(512) 465-2000<br>CONTRACT NO: 87-427041-01<br>DATE: 7-14-00<br>PP-30 |  |
| <b>IMPORTANT</b><br>THIS DRAWING IS THE PROPERTY OF STEVEN FELLER P.E. INC. AND IS NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF STEVEN FELLER P.E. INC. |  | <b>CONTRACT RESPONSIBILITIES</b><br>CITY CONNECTION<br>UNDERGROUND<br>EXCAVATIONS<br>DUCTS<br>PAINTING                                           |  | <b>SYMBOLS</b><br>SPRINKLER NOZZLES<br>SPRINKLER NOZZLES<br>SPRINKLER NOZZLES     |  | <b>ABBREVIATIONS</b><br>APPROVALS<br>REVISIONS                                                                                                                  |  |

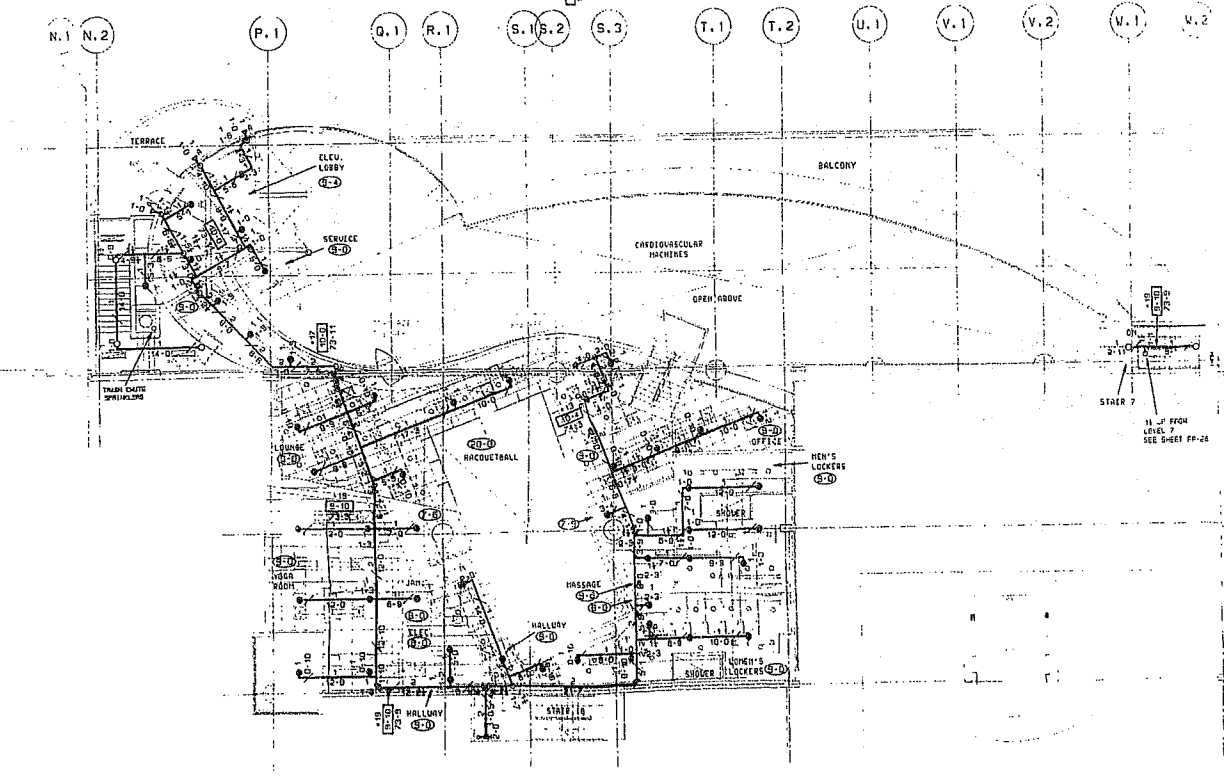


ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 01-11-2001 BY 60322  
UCBAW

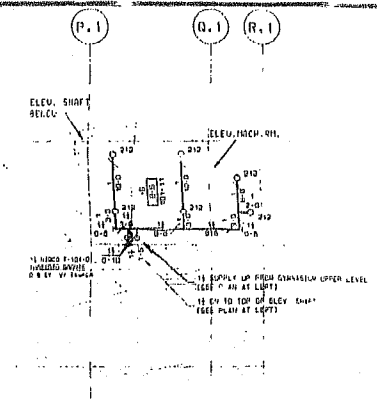
[illegible]



**GYMNASIUM UPPER LEVEL SPRINKLER PLAN**  
 SCALE: 3/16" = 1'-0"  
 REF. FLP. 22-1



**GYMNASIUM LOWER LEVEL SPRINKLER PLAN**  
 SCALE: 3/16" = 1'-0"  
 REF. FLP. 22-1



**HANGER DETAILS**

CONCRETE ANCHOR (FILLED)  
 ALL WROOD PDB  
 PIPE RING

**HANGER 4C  
 CONCRETE ANCHOR**

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

CHECKED \_\_\_\_\_ DATE \_\_\_\_\_  
 ARCHITECT \_\_\_\_\_ DATE \_\_\_\_\_  
 GENERAL CONT. \_\_\_\_\_ DATE \_\_\_\_\_

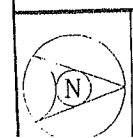
**ELEVATOR MACHINE ROOM**  
 SCALE: 3/16" = 1'-0"  
 REF. FLP. 22-5

**GENERAL NOTES**

1. ALL PIPE TO BE 2" OR 1 1/2" OR 1" IN. AND 50# OR 100#  
 FOR 2" AND LARGER  
 2. EXCEPT AS NOTED

**SEE SHEET FP-1 FOR GENERAL NOTES**

**KEY PLAN**



**CONTRACT RESPONSIBILITIES**

| ITEM               | RESP. |
|--------------------|-------|
| 1. CITY CONNECTION | OWNER |
| 2. INSURANCE       | OWNER |
| 3. PERMITS         | OWNER |
| 4. TESTING         | OWNER |
| 5. PAINTING        | OWNER |

**SYMBOLS**

|                |                |
|----------------|----------------|
| SPRINKLER HEAD | SPRINKLER HEAD |
| SPRINKLER HEAD | SPRINKLER HEAD |
| SPRINKLER HEAD | SPRINKLER HEAD |
| SPRINKLER HEAD | SPRINKLER HEAD |
| SPRINKLER HEAD | SPRINKLER HEAD |

**SPRINKLERS/NOZZLES**

| SPRINKLER | NOZZLE | TYPE | SIZE | TEMP. | LOCATION |
|-----------|--------|------|------|-------|----------|
| SPRINKLER | NOZZLE | TYPE | SIZE | TEMP. | LOCATION |
| SPRINKLER | NOZZLE | TYPE | SIZE | TEMP. | LOCATION |
| SPRINKLER | NOZZLE | TYPE | SIZE | TEMP. | LOCATION |
| SPRINKLER | NOZZLE | TYPE | SIZE | TEMP. | LOCATION |

**STEVEN FELLER P.E. INC.**  
 CONSULTING ENGINEERS  
 8781 W. GARDEN PARK BLVD. SUITE 310  
 GARDEN PARK, FL 33141 774-722-7400

**Grinnell Fire Protection**  
 EXECUTIVE OFFICE - BOSTON, MASS.  
 LOCAL OFFICE - 2200 WEST 31ST STREET, MIAMI, FL 33141 774-722-7400

**ABBREVIATIONS**

|              |         |
|--------------|---------|
| ABBREVIATION | MEANING |
| ABBREVIATION | MEANING |
| ABBREVIATION | MEANING |
| ABBREVIATION | MEANING |
| ABBREVIATION | MEANING |

**REVISIONS**

| NO.                                    | DATE | DESCRIPTION |
|----------------------------------------|------|-------------|
| NO. <td>DATE</td> <td>DESCRIPTION</td> | DATE | DESCRIPTION |
| NO. <td>DATE</td> <td>DESCRIPTION</td> | DATE | DESCRIPTION |
| NO. <td>DATE</td> <td>DESCRIPTION</td> | DATE | DESCRIPTION |
| NO. <td>DATE</td> <td>DESCRIPTION</td> | DATE | DESCRIPTION |

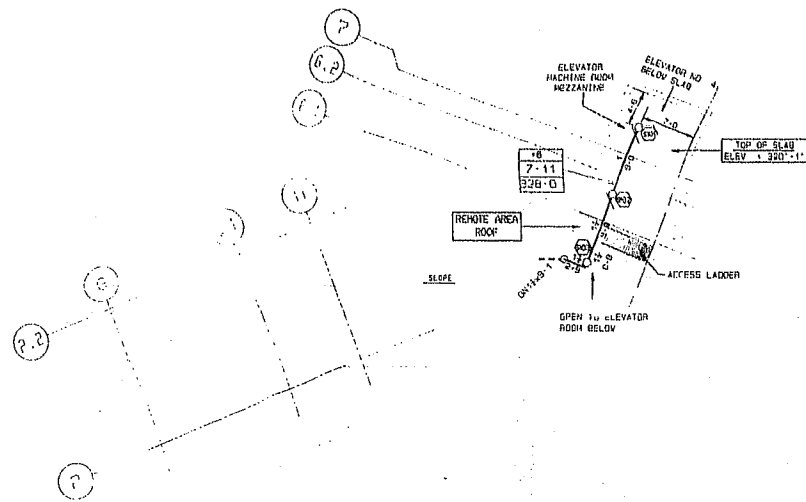
**SYSTEM INFO**

|             |             |
|-------------|-------------|
| SYSTEM INFO | SYSTEM INFO |
| SYSTEM INFO | SYSTEM INFO |
| SYSTEM INFO | SYSTEM INFO |
| SYSTEM INFO | SYSTEM INFO |
| SYSTEM INFO | SYSTEM INFO |

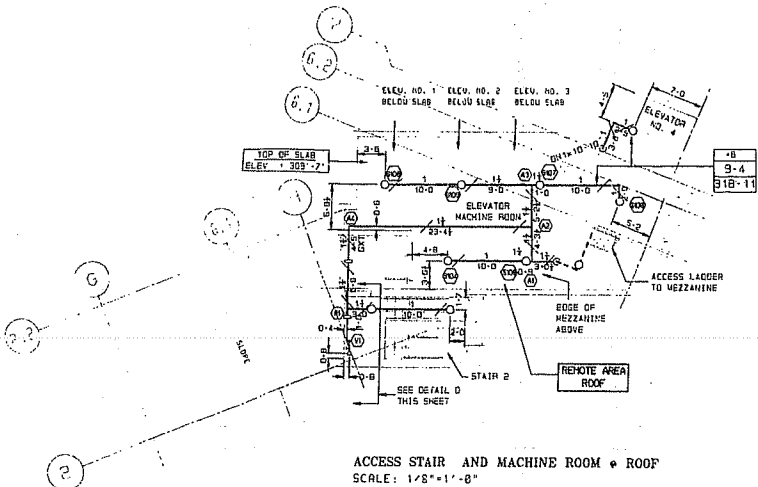
**THE GRAND FLAMINGO**  
 1500 BAY ROAD  
 MIAMI BEACH, FLORIDA

**GYMNASIUM SPRINKLER PLAN**

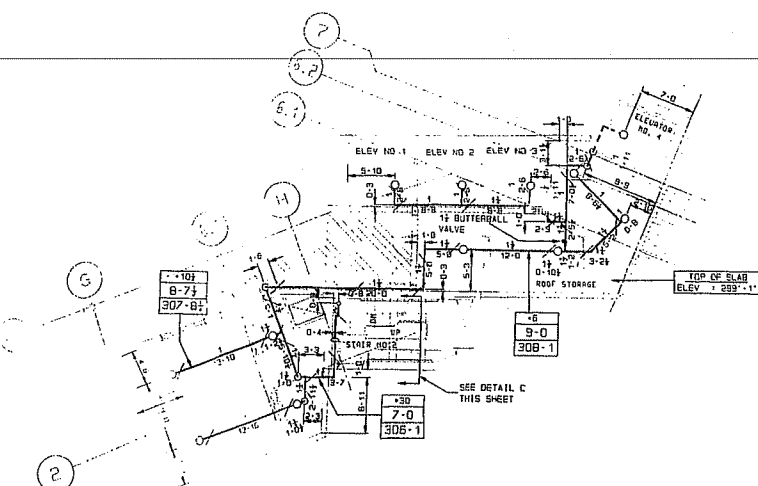
DATE: 07-27-00  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 APPROVED BY: [Name]



ELEVATOR 4 MACHINE ROOM  
SCALE: 1/8" = 1'-0"



ACCESS STAIR AND MACHINE ROOM - ROOF  
SCALE: 1/8" = 1'-0"

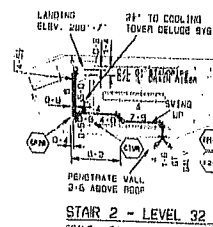


ACCESS STAIR # 2 AND BOILER ROOM - ROOF  
SCALE: 1/8" = 1'-0"

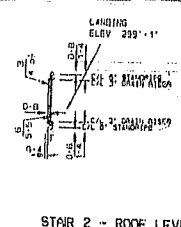
## HANGER DET ILS

CONCRETE BRIDGE (BILLED)  
ALL TIEING ROD  
PIPE RING  
HANGER 4C  
CONCRETE ANCHOR

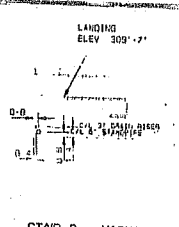
ALL HANGERS TO BE 4C UNO



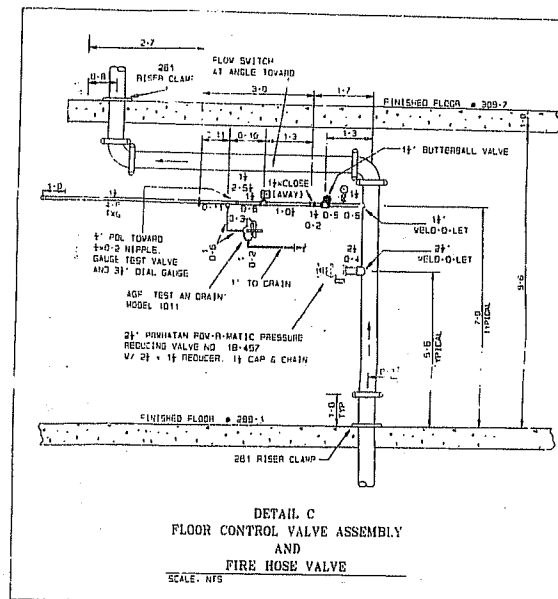
STAIR 2 - LEVEL 32  
SCALE: 1/8" = 1'-0"



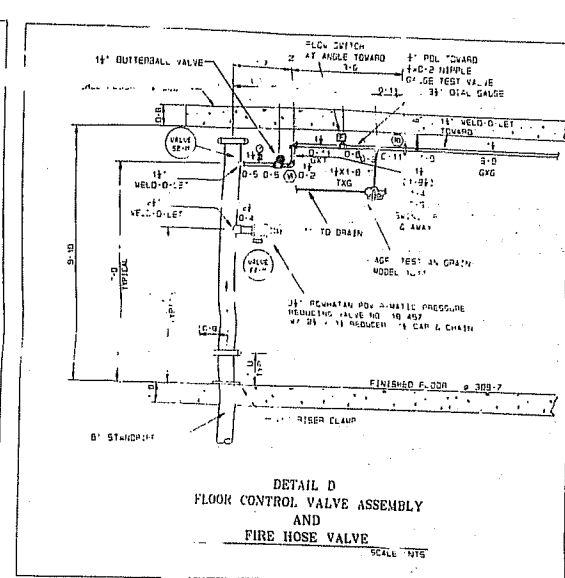
STAIR 2 - ROOF LEVEL  
SCALE: 1/8" = 1'-0"



STAIR 2 - MACHINE ROOM  
SCALE: 1/8" = 1'-0"



DETAIL C  
FLOOR CONTROL VALVE ASSEMBLY  
AND  
FIRE HOSE VALVE  
SCALE: NTS



DETAIL D  
FLOOR CONTROL VALVE ASSEMBLY  
AND  
FIRE HOSE VALVE  
SCALE: NTS

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 CONTRACTOR \_\_\_\_\_ DATE \_\_\_\_\_

## ELEVATION DESIGNATION LEGEND

CL PIPE TO DECK ABOVE  
FF TO CL PIPE  
ELEV. OF PIPE ABOVE EL. 8'-0"

ALL STEEL PIPE LENGTHS ARE CENTER TO CENTER LENGTHS

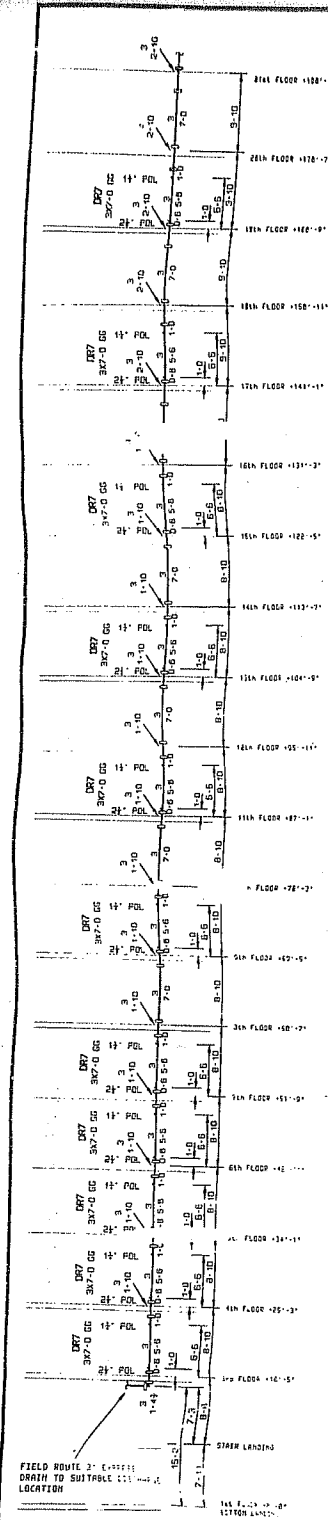
KEY PLAN

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

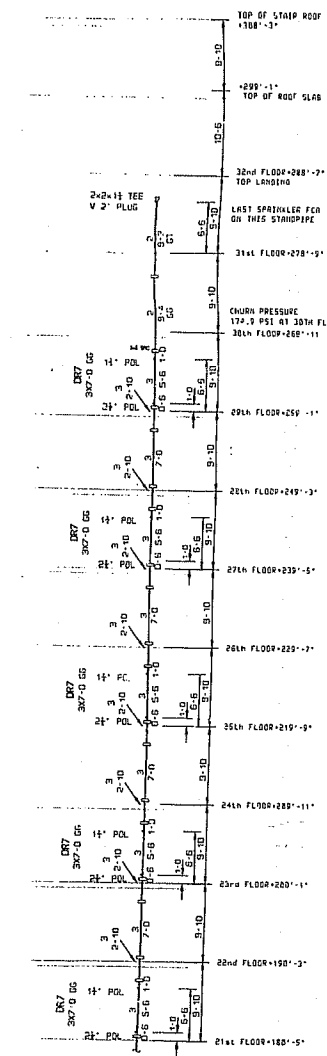
Grinnell Fire Protection  
EXECUTIVE OFFICE - MIAMI, FL 33134 305-752-0224  
LOCAL OFFICE: 2700 WEST 81ST STREET, MIAMI, FL 33143 305-752-0224

THE GRAND FLAMINGO  
1500 BAY ROAD  
MIAMI BEACH, FLORIDA

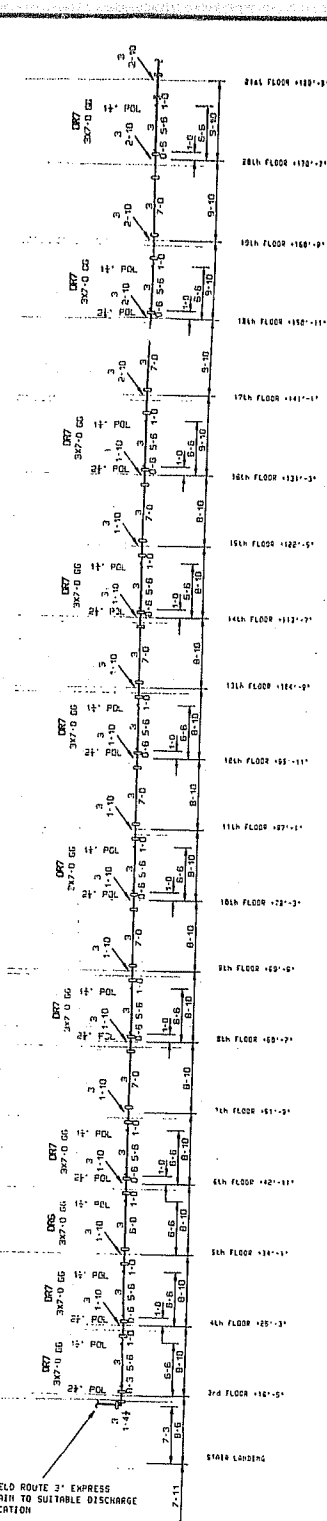
| TYPICAL                                                                                                                                                                                                   |  | CONTRACT RESPONSIBILITIES                                                                                                                              |  | SYMBOLS                                                                                                                                                |  | SPRINKLERS/NOZZLES                                                                                                                                     |  | ABBREVIATIONS                                                                                                                                          |  | APPROVALS                                                                                                                                              |  | REVISIONS                                                                                                                                              |  | SYSTEM INFO                                                                                                                                            |  | DESIGNER                                                                                                                                               |  | DATE                                                                                                                                                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. ALL WORK SHALL BE SUBJECT TO THE GENERAL CONDITIONS OF CONTRACT AND THE SPECIFICATIONS OF THE AMERICAN INSTITUTE OF FIRE ENGINEERS (A.I.F.E.) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (N.F.P.A.). |  | 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.  |  | 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.  |  | 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.  |  | 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.  |  | 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.  |  | 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.  |  | 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.  |  | 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.  |  | 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  |
| 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.                                                    |  | 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  | 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  | 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  | 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  | 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  | 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  | 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  | 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  | 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES AND FOR THE PROTECTION OF ALL ADJACENT PROPERTIES. |  |



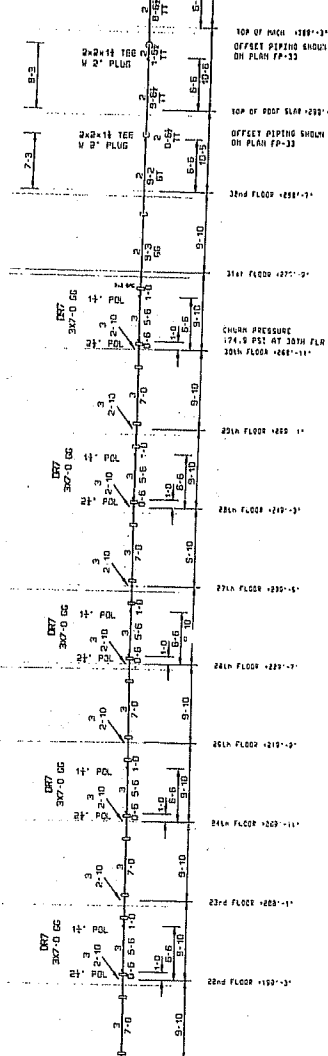
STAIR NO. 1 DRAIN RISER  
SCALE: 1/4" = 1'-0"



STAIR NO. 1 CONT'D.

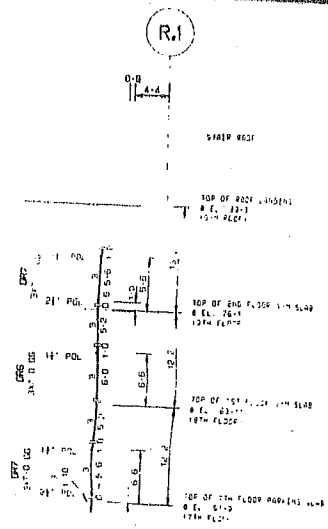


STAIR NO. 2 DRAIN RISER  
SCALE: 1/4" = 1'-0"

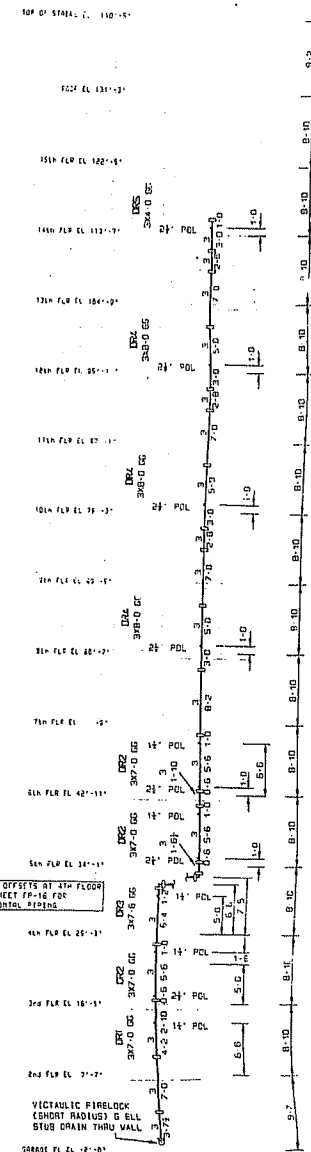


STAIR NO. 2 CONT'D.

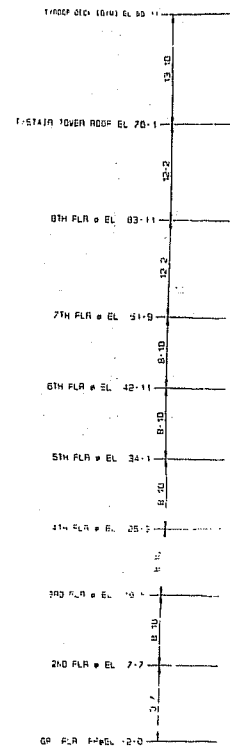
- DRAIN RISER NOTES**
- ALL 1/4" OUTLETS FOR SPRINKLER SYSTEM TEST AND DRAIN CONNECTIONS
  - ALL 1/2" OUTLETS FOR TESTING OF PRESSURE REDUCING FIRE HOSE VALVES - EACH OUTLET TO HAVE 2 1/2" GUARDIAN FIG 216 - HIPT X FIRST PIN LOG CONNECTION 1/2" PLUG
  - FIRE HOSE TESTING CONNECTIONS ARE PROVIDED ON ALTERNATING FLOORS - STARTING ON LEVEL 3. LOWER TWO FLOORS CAN BE TESTED BY DISCHARGING AT GRADE
  - RISER CLAMP ON DRAIN LINE AT EACH FLOOR
  - STANDPIPE RISERS SHOWN ON SHEETS PP-3 & PP-4



STAIR NO. 10 DRAIN RISER  
SCALE: 1/4" = 1'-0"



STAIR NO. 3 DRAIN RISER  
SCALE: 1/4" = 1'-0"



STAIR NO. 7 DRAIN RISER  
SCALE: 1/4" = 1'-0"

|                                                                                                                                                                                                                                                             |                                                                                                                                               |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                               |                                                                                  |                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>SYMBOLS</b></p> <p>1. 1/4" OUTLET FOR SPRINKLER SYSTEM TEST AND DRAIN CONNECTIONS</p> <p>2. 1/2" OUTLET FOR TESTING OF PRESSURE REDUCING FIRE HOSE VALVES</p> <p>3. FIRE HOSE TESTING CONNECTIONS</p> <p>4. RISER CLAMP</p> <p>5. STANDPIPE RISER</p> | <p><b>CONTRACT RESPONSIBILITIES</b></p> <p>OWNER: THE GRAND FLAMINGO</p> <p>DESIGNER: STEVEN FELLER, P.E., INC.</p> <p>INSTALLER: [Blank]</p> | <p><b>SYMBOLS</b></p> <p>1. 1/4" OUTLET FOR SPRINKLER SYSTEM TEST AND DRAIN CONNECTIONS</p> <p>2. 1/2" OUTLET FOR TESTING OF PRESSURE REDUCING FIRE HOSE VALVES</p> <p>3. FIRE HOSE TESTING CONNECTIONS</p> <p>4. RISER CLAMP</p> <p>5. STANDPIPE RISER</p> | <p><b>SPRINKLERS/NOZZLES</b></p> <p>1. 1/4" OUTLET FOR SPRINKLER SYSTEM TEST AND DRAIN CONNECTIONS</p> <p>2. 1/2" OUTLET FOR TESTING OF PRESSURE REDUCING FIRE HOSE VALVES</p> <p>3. FIRE HOSE TESTING CONNECTIONS</p> <p>4. RISER CLAMP</p> <p>5. STANDPIPE RISER</p> | <p><b>ABBREVIATIONS</b></p> <p>1. 1/4" OUTLET FOR SPRINKLER SYSTEM TEST AND DRAIN CONNECTIONS</p> <p>2. 1/2" OUTLET FOR TESTING OF PRESSURE REDUCING FIRE HOSE VALVES</p> <p>3. FIRE HOSE TESTING CONNECTIONS</p> <p>4. RISER CLAMP</p> <p>5. STANDPIPE RISER</p> | <p><b>REVISIONS</b></p> <p>1. 1/4" OUTLET FOR SPRINKLER SYSTEM TEST AND DRAIN CONNECTIONS</p> <p>2. 1/2" OUTLET FOR TESTING OF PRESSURE REDUCING FIRE HOSE VALVES</p> <p>3. FIRE HOSE TESTING CONNECTIONS</p> <p>4. RISER CLAMP</p> <p>5. STANDPIPE RISER</p> | <p><b>THE GRAND FLAMINGO</b></p> <p>500 BAY ROAD</p> <p>MIAMI BEACH, FLORIDA</p> | <p><b>AS NOTED</b></p> <p>1. 1/4" OUTLET FOR SPRINKLER SYSTEM TEST AND DRAIN CONNECTIONS</p> <p>2. 1/2" OUTLET FOR TESTING OF PRESSURE REDUCING FIRE HOSE VALVES</p> <p>3. FIRE HOSE TESTING CONNECTIONS</p> <p>4. RISER CLAMP</p> <p>5. STANDPIPE RISER</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

STEVEN FELLER, P.E., INC.  
CONSULTING ENGINEERS  
2701 W. GULFVIEW BLVD., SUITE 310  
DALLAS, TEXAS 75221-1111  
TEL: 214-343-7400 FAX: 214-343-7401

**Grinnell Fire Protection**  
EXECUTIVE OFFICE: HOUSTON, TEXAS  
LOCAL OFFICES: 2701 WEST 1ST STREET, HOUSTON, TX 77006  
JULY 1, 1997

**THE GRAND FLAMINGO**  
500 BAY ROAD  
MIAMI BEACH, FLORIDA

**AS NOTED**  
1. 1/4" OUTLET FOR SPRINKLER SYSTEM TEST AND DRAIN CONNECTIONS  
2. 1/2" OUTLET FOR TESTING OF PRESSURE REDUCING FIRE HOSE VALVES  
3. FIRE HOSE TESTING CONNECTIONS  
4. RISER CLAMP  
5. STANDPIPE RISER

SEP 14 2000

TOTAL THIS SHEET



**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

05-21-2001

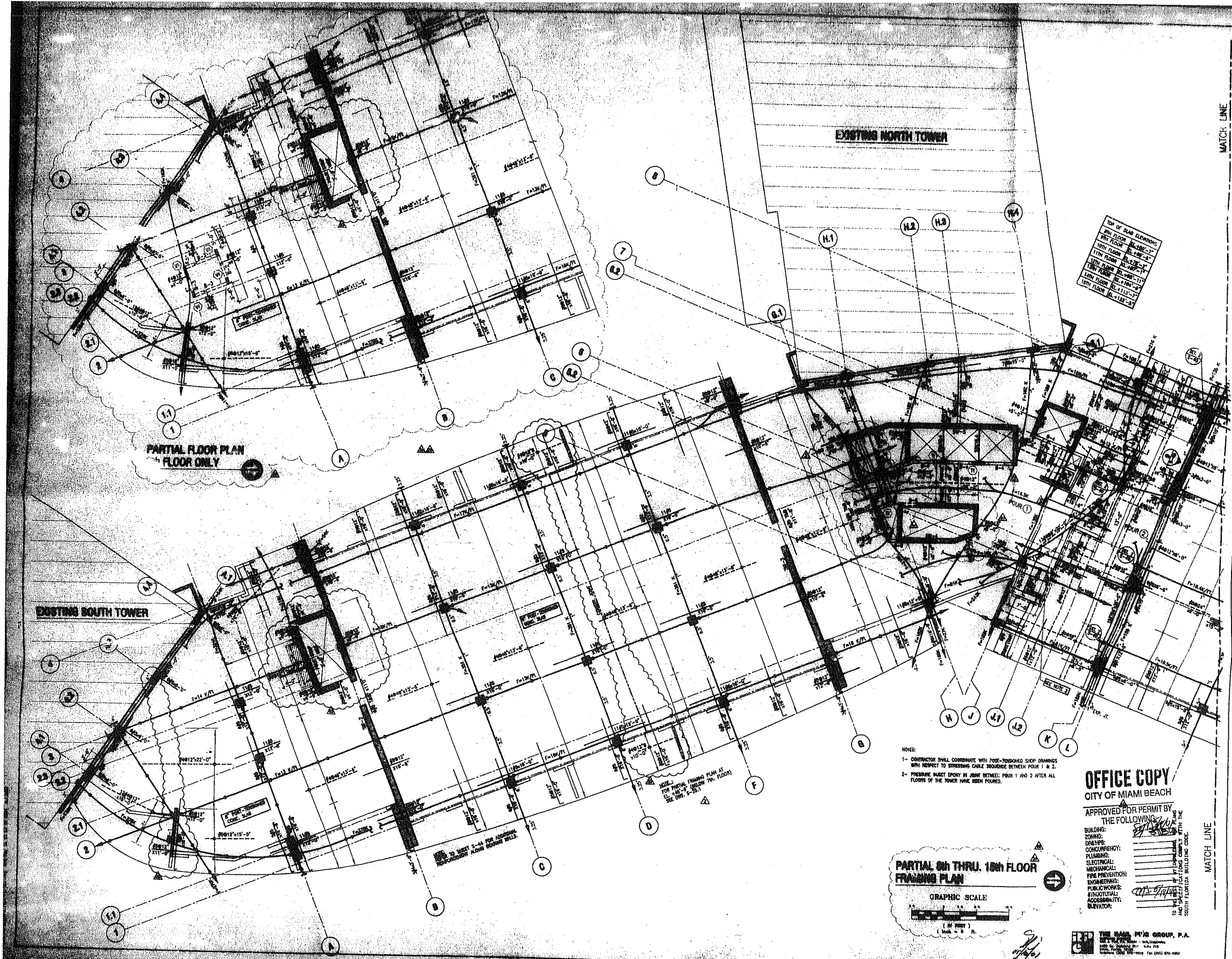
Activity Number: BMS0102489

|               |                                                                           |                 |                                                          |
|---------------|---------------------------------------------------------------------------|-----------------|----------------------------------------------------------|
| Status:       | APPROVED                                                                  | Issued By:      | BULLHERC                                                 |
| Site Address: | 1500 BAY RD MDC11                                                         | Applied:        | 05/18/2001                                               |
| Parcel #:     | 32330070030                                                               | Approved:       | 05/18/2001                                               |
|               |                                                                           | Completed:      |                                                          |
|               |                                                                           | To Expire:      |                                                          |
| Valuation:    | \$0.00                                                                    |                 |                                                          |
| Applicant:    | TURNER CONSTRUCTION<br>3500 SW 2ND AVE<br>MIAMI, FL 33129<br>305-850-8686 | Property Owner: | AIMCO<br>2180 W HWY 434-SUITE 6110<br>LONGWOOD, FL 32779 |

Description: REV H0903540A0001111-STRCT-FOUR STRIP DELITION  
Inspector Area: R      Class Code: REVIS

Fees Summary

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



TOP OF SLAB ELEVATIONS

|            |           |
|------------|-----------|
| 8th FLOOR  | 8'-0 1/2" |
| 9th FLOOR  | 8'-0 1/2" |
| 10th FLOOR | 8'-0 1/2" |
| 11th FLOOR | 8'-0 1/2" |
| 12th FLOOR | 8'-0 1/2" |
| 13th FLOOR | 8'-0 1/2" |
| 14th FLOOR | 8'-0 1/2" |
| 15th FLOOR | 8'-0 1/2" |

- NOTES:
- 1- CONTRACTOR SHALL COORDINATE WITH POST-TENSIONED SHOP DRAWINGS WITH RESPECT TO TENSIONING CABLE BRIDGES BETWEEN POOR 1 & 2.
  - 2- PRESSURE MUST BE EPXY IN JOINT RETAINED: 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:  
CONCURRENCY:  
PLUMBING:  
ELECTRICAL:  
MECHANICAL:  
FIRE PREVENTION:  
ENGINEERING:  
PUBLIC WORKS:  
ENVIRONMENTAL:  
ACCESSIBILITY:  
ELEVATOR:

**PARTIAL 8th THRU. 15th FLOOR  
FRAMING PLAN**

GRAPHIC SCALE

1" = 8' 0"

**THE B&B PT'G GROUP, P.A.**  
2001 N. W. 10th Ave., Suite 200  
Miami, FL 33136  
Tel: (305) 571-1000 Fax: (305) 571-1001

**AIMCO** Properties

**MURAKAMI**

Office of Construction  
2001 N. W. 10th Ave., Suite 200  
Miami, FL 33136

**ROLF JENSEN & ASSOCIATES, INC.**  
FIRE PROTECTION ENGINEERING CONSULTANTS  
5855 N. W. 11th Ave., Suite 600  
Oak Park, FL 33157  
Tel: (305) 571-1000 Fax: (305) 571-1001

**WILMER PARKINS CONSULTANTS (P.C.) INC.**  
2001 N. W. 10th Ave., Suite 200  
Miami, FL 33136  
Tel: (305) 571-1000 Fax: (305) 571-1001

**STEVEN FELLER, P.E. INC.**  
CONSULTING ENGINEER  
2001 N. W. 10th Ave., Suite 200  
Miami, FL 33136  
Tel: (305) 571-1000 Fax: (305) 571-1001

**THE B&B PT'G GROUP, P.A.**  
2001 N. W. 10th Ave., Suite 200  
Miami, FL 33136  
Tel: (305) 571-1000 Fax: (305) 571-1001

**WILMER PARKINS CONSULTANTS (P.C.) INC.**  
2001 N. W. 10th Ave., Suite 200  
Miami, FL 33136  
Tel: (305) 571-1000 Fax: (305) 571-1001

**CURTIS+ROGERS  
DESIGN STUDIO, INC.**  
2001 N. W. 10th Ave., Suite 200  
Miami, FL 33136  
Tel: (305) 571-1000 Fax: (305) 571-1001

**ZVSCOVICH**  
2001 N. W. 10th Ave., Suite 200  
Miami, FL 33136  
Tel: (305) 571-1000 Fax: (305) 571-1001

**THE GRAND  
FLAMINGO**  
Miami Beach, Florida

**AREA 'A' PARTIAL  
8th THRU. 15th FLOOR**

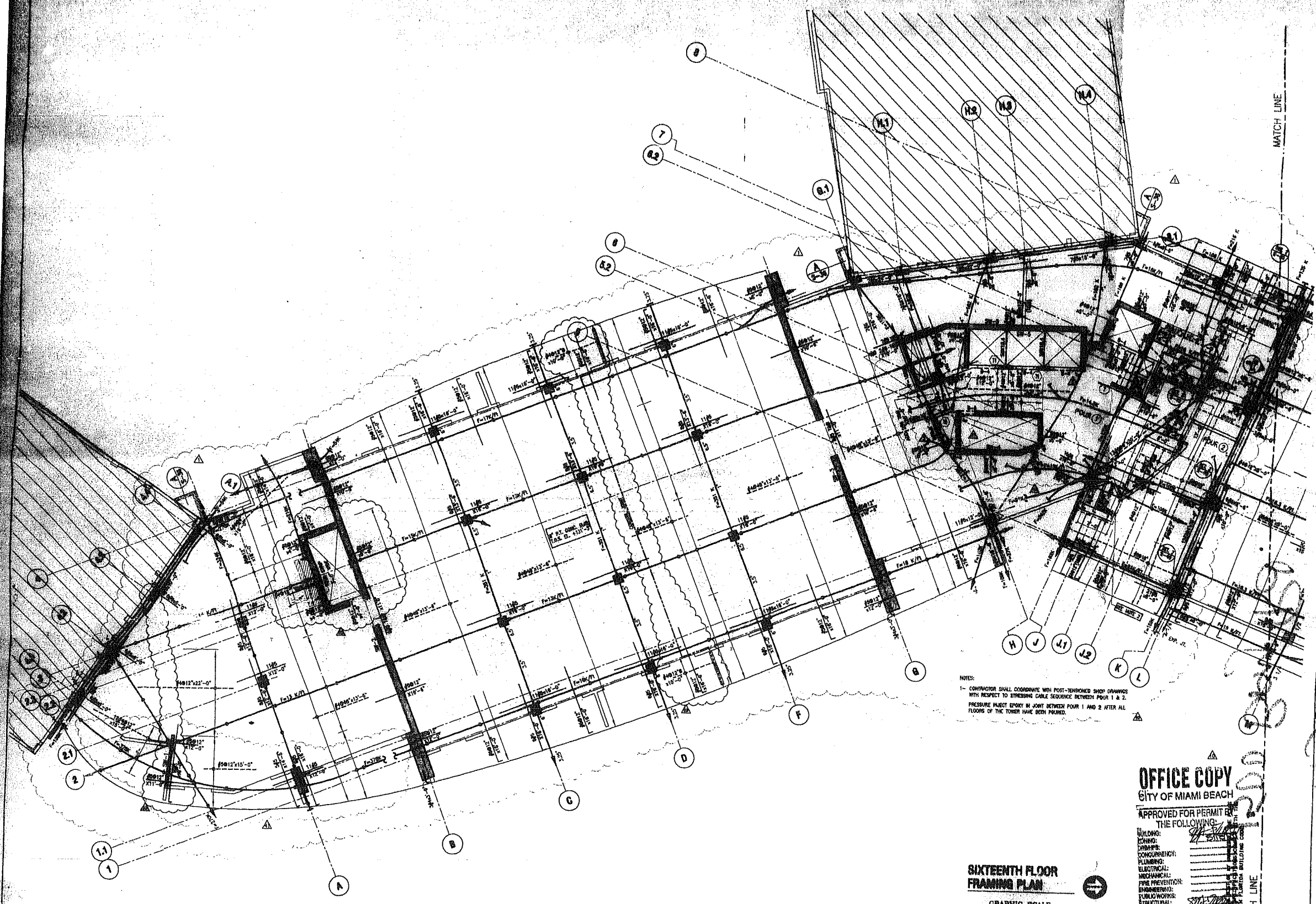
Revised: 8/18/98  
Revised: 7-14-00  
Revised: 8/20/00  
Revised: 1/18/01  
Revised: 4/24/01 - GENERAL  
Revised: 5/16/01 - FOUR STAIR RIGGS & C.A.

**AREA 'A' PARTIAL  
8th THRU. 15th FLOOR**

Revised: 5/10/98 SHELL PERMIT  
Revised: 9/10/98 BUILDING PERMIT  
Revised: 2/8/99 BID SET  
Revised: 4/24/99 ADDENDUM - 2/25/99  
Revised: 4/24/99 ADDENDUM - 3/19/99  
Revised: 05-14-00

**CONTRACTOR SET  
LABOR CONSTRUCTION SET-2**

**S-25**



**SIXTEENTH FLOOR  
FRAMING PLAN**



**OFFICE COPY**  
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

- BUILDING: \_\_\_\_\_
- MECHANICAL: \_\_\_\_\_
- ELECTRICAL: \_\_\_\_\_
- PLUMBING: \_\_\_\_\_
- FIRE PREVENTION: \_\_\_\_\_
- ENVIRONMENTAL: \_\_\_\_\_
- STRUCTURAL: \_\_\_\_\_
- ACCESSIBILITY: \_\_\_\_\_
- ELEVATOR: \_\_\_\_\_

**THE RAIL PUNK GROUP, P.A.**  
2001 N. Collins Ave., Suite 110  
Miami, FL 33139  
Tel: (305) 575-0000 Fax: (305) 575-0000

**AIMCO Properties**

**MURAKAMI**

600 N. American  
Ave. Suite 1200  
Tampa, FL 33602

**ROLY WILSON & ASSOCIATES, INC.**  
FIRE PROTECTION ENGINEERING CONSULTANTS  
2800 N. W. 11th Ave. Suite 100  
Coral Gables, FL 33134  
Tel: (305) 447-8811 Fax: (305) 447-8811

**STEVEN PELLER, P.E. INC.**  
2001 N. Collins Ave., Suite 110  
Miami, FL 33139  
Tel: (305) 575-0000 Fax: (305) 575-0000

**THE RAIL PUNK GROUP, P.A.**  
2001 N. Collins Ave., Suite 110  
Miami, FL 33139  
Tel: (305) 575-0000 Fax: (305) 575-0000

**CURTIS+ROCKERS**  
ARCHITECTS

**ZVSCOVICH**  
ARCHITECTS

**THE GRAND FLAMINGO**  
HOTEL

**AREA 'A' (TOWER)**

**SIXTEENTH FLOOR**

5/10/00 SHELL PERMIT  
5/10/00 BUILDING PERMIT  
5/10/00 3D SET  
5/10/00 3D SET  
5/10/00 3D SET  
5/10/00 3D SET  
5/10/00 3D SET  
5/10/00 3D SET

**S-31**

Bm 50102489

B0001111

1500 Bay Rd.

B0001111

GRAND FLEMING

Bm 0102489

OFFICE

B0001111

1500 Bay Rd.

Four Strip

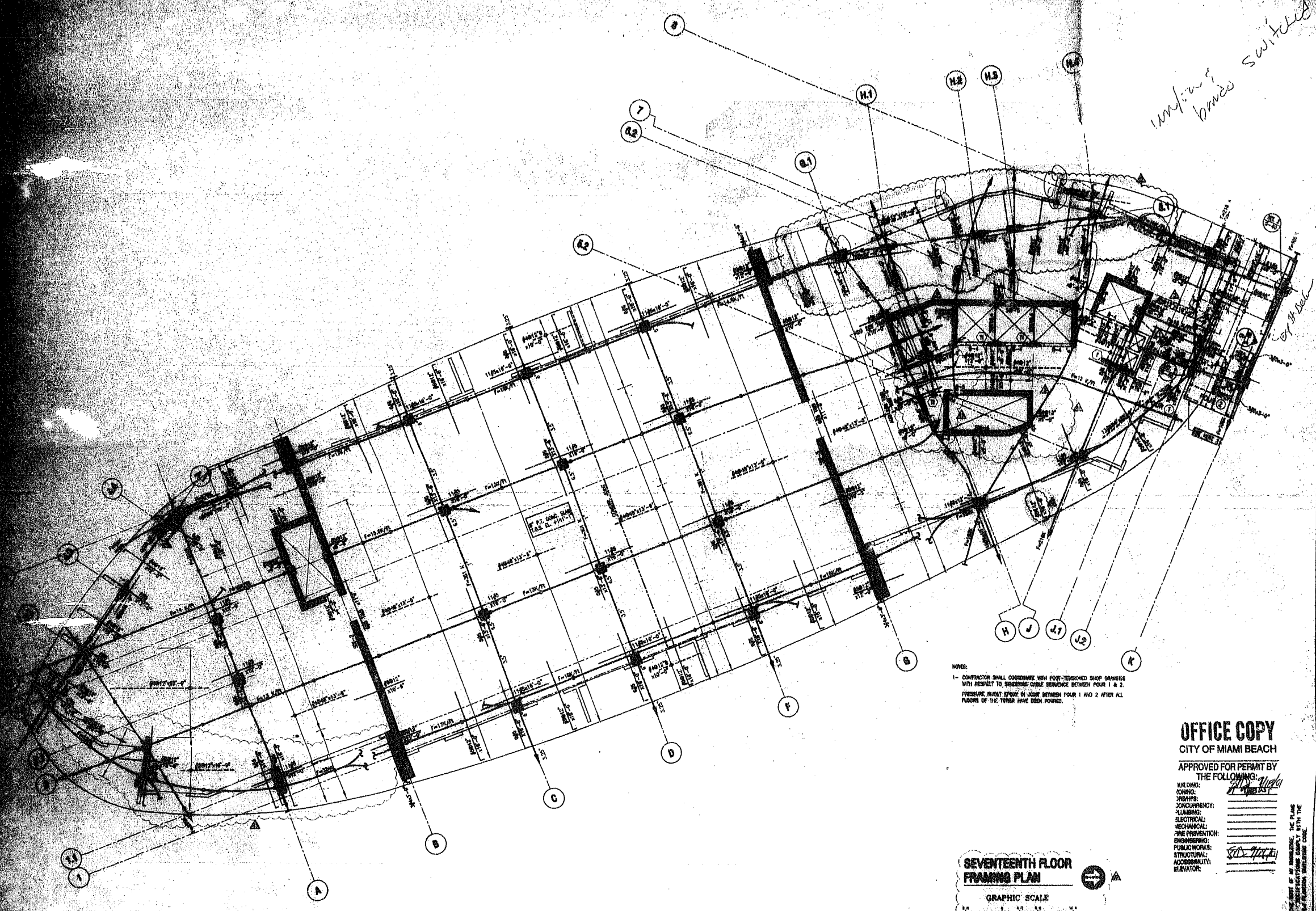
Relocation

Struct. Calc.

PERMIT #  
B0001111

Bms 0104003

ADDRESS  
1500 Bay RD.



NOTES:  
 1- CONTRACTOR SHALL COORDINATE WITH POST-TENSIONED SLAB DRAWINGS WITH REFERENCE TO BRIDGE CHAIR SPACING BETWEEN POOR 1 & 2. PRESSURE MUST BE IN JOINT BETWEEN POOR 1 AND 2 AFTER ALL FLOORING OF THE TOWER HAVE BEEN POURED.

**SEVENTEENTH FLOOR  
FRAMING PLAN**



**OFFICE COPY**  
 CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING: \_\_\_\_\_  
 ZONING: \_\_\_\_\_  
 CONFORMANCE: \_\_\_\_\_  
 PLUMBING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 FIRE PROTECTION: \_\_\_\_\_  
 ENGINEERING: \_\_\_\_\_  
 PUBLIC WORKS: \_\_\_\_\_  
 STRUCTURAL: \_\_\_\_\_  
 ACCESSIBILITY: \_\_\_\_\_  
 ELEVATOR: \_\_\_\_\_

**AMCO**

**MECHANICAL**

**ELECTRICAL**

**PLUMBING**

**MECHANICAL**

**ELECTRICAL**

**PLUMBING**

**MECHANICAL**

**ELECTRICAL**

**PLUMBING**

**MECHANICAL**

**ELECTRICAL**

**PLUMBING**

**MECHANICAL**

**ELECTRICAL**

**PLUMBING**

**MECHANICAL**

**ELECTRICAL**

# **TOWER COLUMN SCHEDULE**

| FLOOR    | 17TH | 16TH | 15TH | 14TH | 13TH | 12TH | 11TH | 10TH | 9TH | 8TH  | 7TH  | 6TH  | 5TH  | 4TH  | 3RD  | 2ND  | 1ST  | TOP OF PILE CAP | LEVEL | 17TH | 16TH | 15TH | 14TH | 13TH | 12TH | 11TH | 10TH | 9TH  | 8TH  | 7TH  | 6TH  | 5TH  | 4TH  | 3RD  | 2ND  | 1ST  | TOP OF PILE CAP | LEVEL |      |      |
|----------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|-----------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|-------|------|------|
| COL. NO. | 1-1  | 1-2  | 1-3  | 1-4  | 1-5  | 1-6  | 1-7  | 1-8  | 1-9 | 1-10 | 1-11 | 1-12 | 1-13 | 1-14 | 1-15 | 1-16 | 1-17 | 1-18            | 1-19  | 1-20 | 1-21 | 1-22 | 1-23 | 1-24 | 1-25 | 1-26 | 1-27 | 1-28 | 1-29 | 1-30 | 1-31 | 1-32 | 1-33 | 1-34 | 1-35 | 1-36 | 1-37            | 1-38  | 1-39 | 1-40 |
| SECTION  | 1-1  | 1-2  | 1-3  | 1-4  | 1-5  | 1-6  | 1-7  | 1-8  | 1-9 | 1-10 | 1-11 | 1-12 | 1-13 | 1-14 | 1-15 | 1-16 | 1-17 | 1-18            | 1-19  | 1-20 | 1-21 | 1-22 | 1-23 | 1-24 | 1-25 | 1-26 | 1-27 | 1-28 | 1-29 | 1-30 | 1-31 | 1-32 | 1-33 | 1-34 | 1-35 | 1-36 | 1-37            | 1-38  | 1-39 | 1-40 |
| REMARKS  |      |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |                 |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                 |       |      |      |

# **MID-RISE COLUMN SCHEDULE**

|            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 17TH FLOOR |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 18'x24" 8/9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**AIMCO**  
INCORPORATED  
1111 N. MIAMI AVE.  
MIAMI, FLORIDA 33136

**STEVEN MILLER, P.E.**  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
NO. 12345  
EXPIRATION DATE 12/31/99

**CURTIS & ROSS**  
DESIGN STUDIO, INC.  
1111 N. MIAMI AVE.  
MIAMI, FLORIDA 33136

**ZYSKOVICH**  
INCORPORATED  
1111 N. MIAMI AVE.  
MIAMI, FLORIDA 33136

**THE GRAND PLANNING**  
INCORPORATED  
1111 N. MIAMI AVE.  
MIAMI, FLORIDA 33136

**OFFICE COPY**  
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY THE FOLLOWING:

BUILDING: [Signature]  
ELECTRICAL: [Signature]  
MECHANICAL: [Signature]  
PLUMBING: [Signature]  
PNEUMATICAL: [Signature]  
ELEVATOR: [Signature]

# **TOWER AND MID-RISE COLUMN SCHEDULE**

| NO.     | 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   |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| SECTION | 1-1 | 1-2 | 1-3 | 1-4 | 1-5 | 1-6 | 1-7 | 1-8 | 1-9 | 1-10 | 1-11 | 1-12 | 1-13 | 1-14 | 1-15 | 1-16 | 1-17 | 1-18 | 1-19 | 1-20 | 1-21 | 1-22 | 1-23 | 1-24 | 1-25 | 1-26 | 1-27 | 1-28 | 1-29 | 1-30 | 1-31 | 1-32 | 1-33 | 1-34 | 1-35 | 1-36 | 1-37 | 1-38 | 1-39 | 1-40 |
| REMARKS |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

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MASTER PERMIT

STRUCTURAL REVISION ONLY

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BMS 0104003

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ADDRESS  
1500 BAY RD

CITY OF MIAMI BEACH  
Building Department  
1700 Convention Cir 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 16TH FLOOR CABLES, #100001111  
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 Cir 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: CHNOCNTR  
Issued By: BUIHHERC  
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  
9901 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: S

Total of All Fees: \$56,922.71  
Total of Payments: \$56,922.71  
Balance Due: \$0.00

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

Building Work Permit

04-27-2001

Receipt: Activity Number: B0001111  
Status: APPROVED  
Date Applied: 12/22/1999 Date Issued: 01/03/2000 Entered By: BUILLECS  
Date Completed: 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  
3500 S.W. 3RD AVENUE 33129  
305-860-8686  
Owner: MORTON TOWERS APARTMENTS LP  
8 CHIEF FINANCIAL OFFICER  
1875 S BELLAIRE ST 17TH FL 80222

Description: NEW CONST OF A 2 LEVEL BLDG 512 UNITS

Payments made for this receipt

Type Method Amount Paid  
Payment Made: Accepted By:  
Total Payment: 00 Payee:

Current Payment Made to the Following Items:

Account Summary for Fees and Payments:

| Item Description   | Account Code  | Est. Fee | Paid  | Pror. Est. | Cur. Est. |
|--------------------|---------------|----------|-------|------------|-----------|
| 10 Building Permit | 0110000121100 | \$10.00  | 10.00 | 110.00     | 20        |

[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: BUILTECH

Site Address: 1500 BAY RD MIAMI  
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: RESTRUCTURE 45'9" THRU 16' FLOOR CABLES #B000111  
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

Receipt:

Activity Number: B0001111  
Status: APPROVED

Date Applied: 12/22/1999  
Date Completed:

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

Entered By: BUILTECH

Site Address: 1500 BAY RD MIAMI  
Parcel #: 32330070030

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

Applicant: TURNER CONSTRUCTION CO  
ANDREW L. MIKOWITZ  
1500 S.W. 3RD AVENUE 33129  
305 660-8606

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

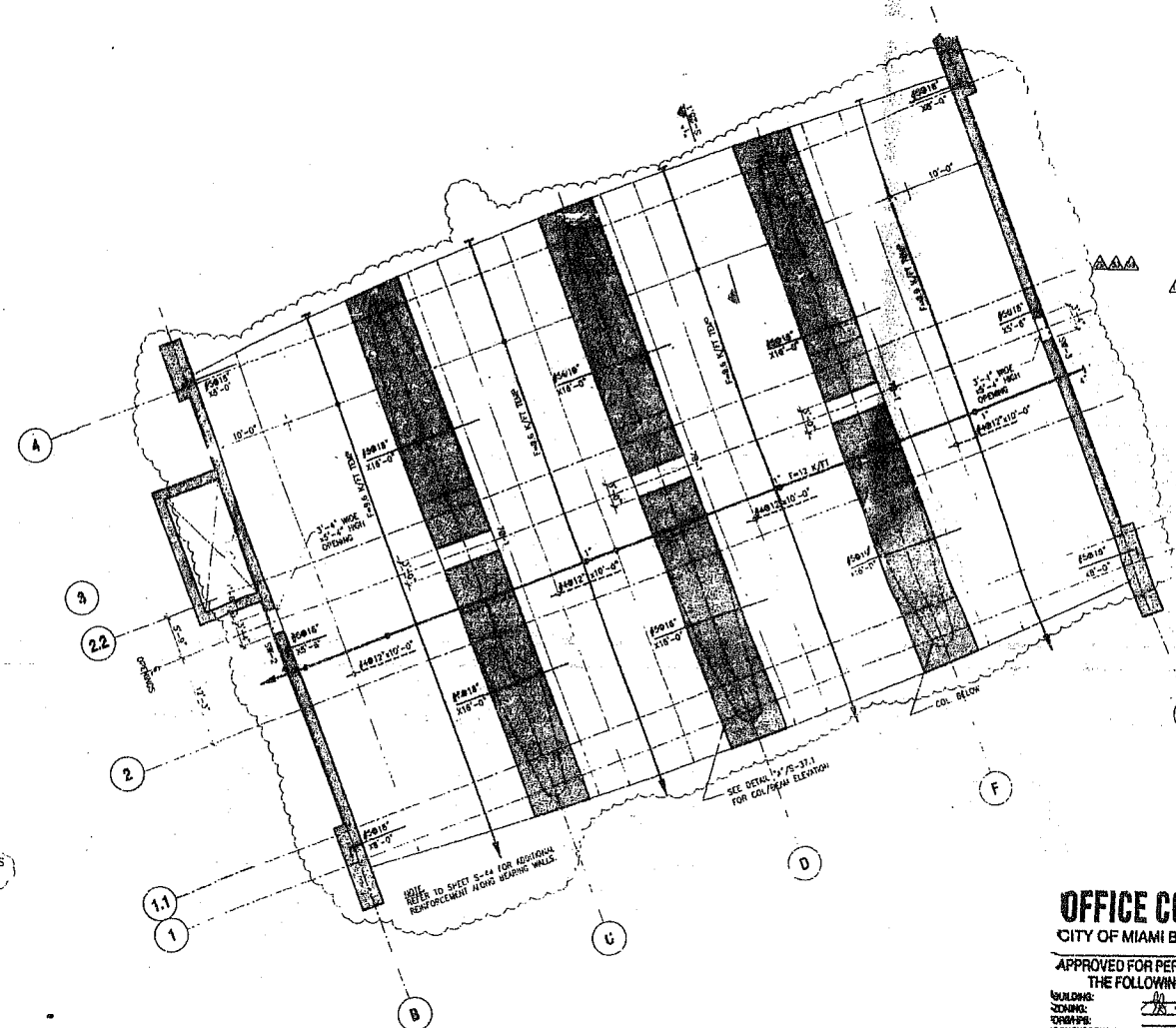
Description: NEW CONST OF A 2 LEVEL BLDG 5120818

Payments made for this receipt:

Current Payment Made to the Following Items:

Account Summary for Fees and Payments:

[RECEIPT]



GRAPHIC SCALE

( IN FEET )  
1 inch = 8 ft

BUILDING: 20  
 ZONING: 2B  
 DASHES: 1/2  
 CONCURRENCY: \_\_\_\_\_  
 PLUMBING: \_\_\_\_\_  
 ELECTRICAL: \_\_\_\_\_  
 MECHANICAL: \_\_\_\_\_  
 FIRE PREVENTION: \_\_\_\_\_  
 ENGINEERING: \_\_\_\_\_  
 PUBLIC WORKS: \_\_\_\_\_  
 STRUCTURAL: 5  
 ACCESSIBILITY: 1/2  
 EVALUATE: \_\_\_\_\_

**EL.-45'-0" FL. PLAN**

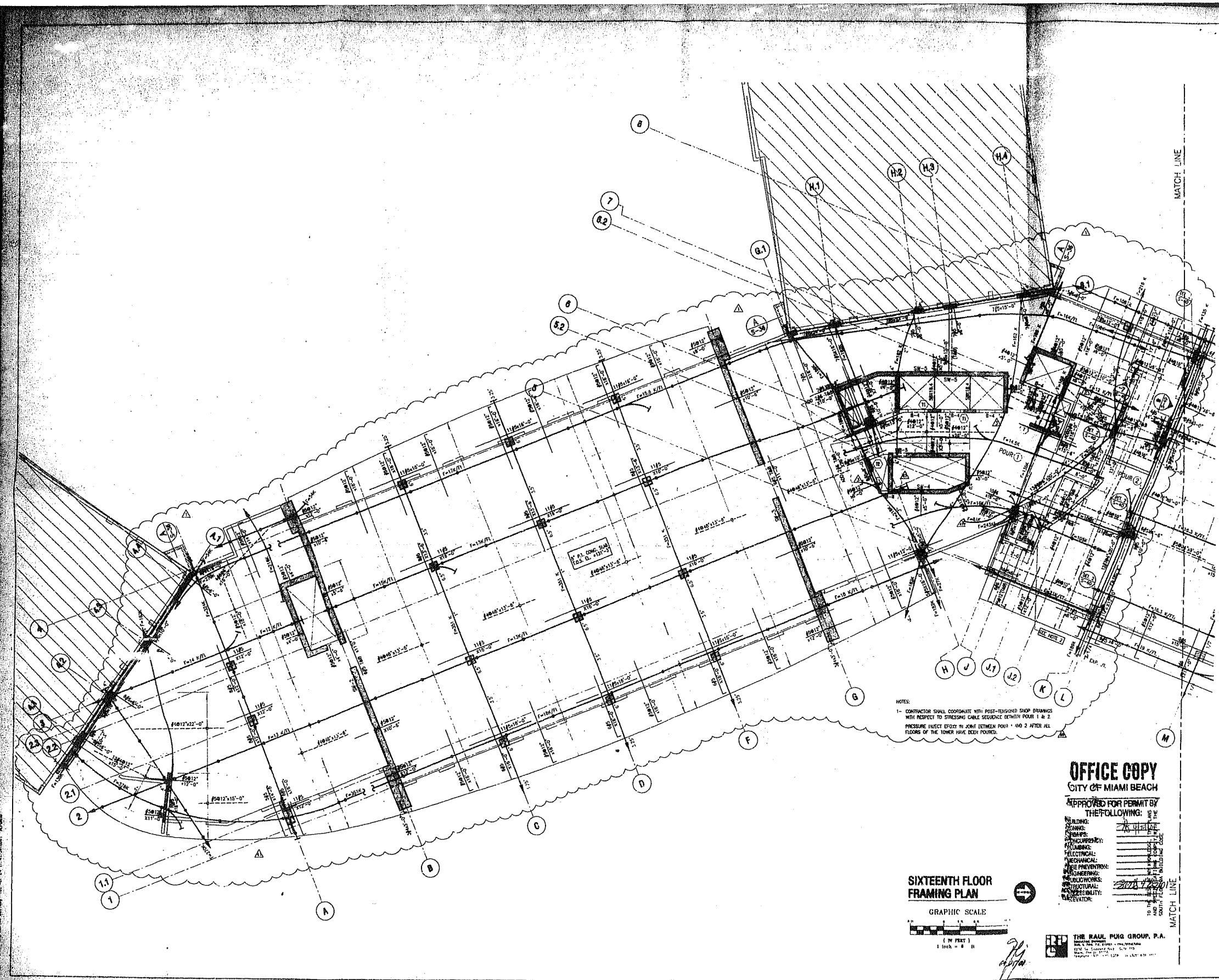
|          |                    |
|----------|--------------------|
| 8/10/98  | SHELL PERMIT       |
| 9/10/98  | BUILDING PERMIT    |
| Revised: | 2/8/99 2ND SET     |
| Revised: | APPROXIM - 3/12/99 |
| Revised: | CS-16-00           |
| Revised: |                    |
| Revised: |                    |

5/7/80 CONSTRUCTION SET  
1/12/80 CONSTRUCTION SET-2

S-25.1

**THE GRAND  
FLAMINGO**  
1600 Bay Road  
Miami Beach, Florida

**THE RAUL PING GROUP, P.A.**  
10000 N. 10th Ave., Suite 100, Scottsdale, AZ 85258  
2022 N. Central Expy., Suite 100, Phoenix, AZ 85016  
Phone: (602) 998-8888 Fax: (602) 998-8887



**AIMCO** Properties

**MURAKAMI**

One Park of Commerce Blvd.  
Suite 1000, Ft. Lauderdale, FL 33304  
Tel: (954) 557-4100

**HOLF JENSEN & ASSOCIATES, INC.**  
1001 PUEBLO BLVD., SUITE 100  
CORAL GABLES, FL 33134  
Tel: (305) 441-1100

**PAULSEN ENGINEERING CONSULTANTS, INC.**  
1001 PUEBLO BLVD., SUITE 100  
CORAL GABLES, FL 33134  
Tel: (305) 441-1100

**STEVEN FELLER, P.E. INC.**  
1001 PUEBLO BLVD., SUITE 100  
CORAL GABLES, FL 33134  
Tel: (305) 441-1100

**THE RAUL PUG GROUP, P.A.**  
1001 PUEBLO BLVD., SUITE 100  
CORAL GABLES, FL 33134  
Tel: (305) 441-1100

**WATKINS & TOWNE CONSULTING ENGINEERS**  
1001 PUEBLO BLVD., SUITE 100  
CORAL GABLES, FL 33134  
Tel: (305) 441-1100

**CURTIS+ROGERS DESIGN STUDIO, INC.**  
1001 PUEBLO BLVD., SUITE 100  
CORAL GABLES, FL 33134  
Tel: (305) 441-1100

**zyscovich**  
1001 PUEBLO BLVD., SUITE 100  
CORAL GABLES, FL 33134  
Tel: (305) 441-1100

**THE GRAND FLAMINGO**  
1001 PUEBLO BLVD., SUITE 100  
CORAL GABLES, FL 33134  
Tel: (305) 441-1100

**CONTRACT WITH EXHIBIT, INC.**  
1001 PUEBLO BLVD., SUITE 100  
CORAL GABLES, FL 33134  
Tel: (305) 441-1100

Set:  
8/16/99  
9/20/00  
1/18/01  
4/24/01-GENERAL

**AREA 'A' (TOWER)**  
**SIXTEENTH FLOOR**

0/10/98 SHELL PERMIT  
0/10/98 BUILDING PERMIT  
Revised: 2/8/99 BID SET  
Revised: 3/22/99  
Revised: 4/24/01  
Revised:

**CONSTRUCTION SET**  
**1/2000 CONSTRUCTION SET-2**

**S-31**