VILLAGE OF PALMETTO BAY
9705 E. HIBISCUS STREET
PALMETTO BAY, FLORIDA 33157
(305) 259-1234 Fax: (305) 259-1290

**REQUEST FOR PUBLIC RECORDS**

Requests are filled in accordance with the provisions of Chapters 119 and 257, Florida Statutes.

DATE: 9-27-17

NAME: Robert Conley

COMPANY:

ADDRESS:

PHONE: 262-501-5151 FAX:

EMAIL: rconley@gmail.com

REQUEST (Attach additional page, if necessary): Copies of the following documents:

* Please see attached online records request

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**FOR USE BY VILLAGE STAFF ONLY**

TRACKING NO.: 2017-222

DATE FORWARDED: 10/6/17

ASSIGNED DEPT: Building

DATE REQUEST FILLED: 10/11/17

NUMBER OF COPIES: 6

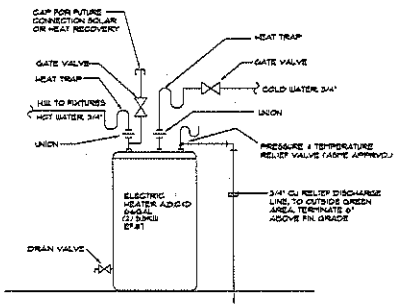
ESTIMATED TIME (IF APPLICABLE):

ESTIMATED COST:

HOW WAS REQUEST FILLED?

IF NOT FILLED, REASON:

BY:




## WATER HEATER PIPING DIAGRAM
NO SCALE

| PLUMBING FIXTURE SCHEDULE | | | | |
|---|---|---|---|---|
| MARK | TRAP SIZE | FIXTURE UNITS | HOT WATER | COLD WATER |
| WC | 3" | 4 | - | 1½" |
| LAV | 1½" | 2 | ½" | ½" |
| SH | 2" | 2 | ½" | ½" |
| SK | 1½" | 2 | ½" | ½" |
| WM | 2" | 4 | ½" | ½" |
| DW | 1½" SW | 2 | ½" | - |
| HB | - | - | - | ½" W/VALVE & VAC. BREAKER |
| TUB | UG: 2" / AG: 1½" | 2 | ½" | ½" |
| SD | UG: 2" / AG: 1½" | 2 | ½" | ½" |

1-) FIXTURES TO COMPLY W/ SFBC TABLE 46-R-2

2-) ANTI-SCALD VALVE:
ALL SHOWERS & BATH/SHOWER COMBINATIONS SHALL BE PROTECTED WITH A CONTROL VALVE OF THE PRESSURE BALANCE, THERMOSTATIC MIXING OR COMBINATION TYPE SET, HANDLE POSITION STOPS PER MANUFACTURERS INSTRUCTIONS AT TIME OF INSTALLATION TO A MAXIMUM MIXED WATER OUTLET TEMPERATURE OF 120° F.

| AIR CONDITIONING SCHEDULE | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UNIT | MANUFACTURER AND MODEL NO. | NOM. TONS | NOM. CFM | ESP IN. WG. | ELECT. HEAT KW | TOTAL FLA/MIN | COOLING CAP. B/T BTUH @ 95° / 67° W | O/A CFM | DIMENSIONS WLXH (IN.) | WEIGHT LBS. | ELECT. SERVICE VOLTS/PH/HZ | SEER |
| AHU 4A | TRANE TUE060B0DF0 | ---- | 1600 | .40 | 10 | 7.0/4 | ---- | ---- | 26 x 21 x 63 | 156 | 208-230/1/60 | 13.0 |
| CU 4A | TRANE TTP048D100A | 4 | ---- | ---- | ---- | 20.5 | 34,000/30,000 | ---- | 47 x 40 x 39 | 243 | 208-230/1/60 | |
| AHU 1B | TRANE TUE048C1DF0 | ---- | 1600 | .40 | 10 | 4.2/½ | ---- | ---- | 24 x 21 x 62 | 173 | 208-230/1/60 | 12.0 |
| CU 1B | TRANE TTP048D100A | 4 | ---- | ---- | ---- | 20.5 | 32,000/32,000 | ---- | 47 x 40 x 39 | 243 | 208-230/1/60 | |
| AHU 1C | TRANE TVP036A1A0A | ---- | 1200 | .40 | 5 | 3.3/½ | ---- | ---- | 21 x 19 x 57 | 126 | 208-230/1/60 | 12.0 |
| CU 1C | TRANE TTP036D100A | 3 | ---- | ---- | ---- | 15.8 | 25,000/23,400 | ---- | 33 x 41 x 28 | 256 | 208-230/1/60 | |
| AHU 1D | TRANE TUE042F0DF0 | ---- | 1400 | .40 | 10 | 3.3/½ | ---- | ---- | 24 x 21 x 62 | 160 | 208-230/1/60 | 12.0 |
| CU 1D | TRANE TTP042C100A | 3.5 | ---- | ---- | ---- | 17.9 | 33,000/41,000 | ---- | 37 x 36 x 39 | 243 | 208-230/1/60 | |
| RTU 1E | TRANE TCY060G100A | 3.5 | 1400 | .40 | 10 | 26.7 | 25,600/41,000 | ---- | 25 x 34 x 64 | 386 | 208-230/1/60 | 14.0 |
| RTU 1F | TRANE TCP042K100A | 3.5 | 1400 | .40 | 10 | 26.8 | 25,400/47,000 | ---- | 36 x 56 x 28 | 374 | 208-230/1/60 | 12.0 |
| RTU 1G | TRANE TCP036F100A | 3 | 1000 | .40 | 10 | 24.4 | 25,200/36,000 | ---- | 36 x 56 x 28 | 384 | 208-230/1/60 | 12.0 |

| FAN SCHEDULE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| FAN # | MANUFACTURER AND MODEL NO. | RPM | WATTS | CFM @ S.P. | ELECT. SERVICE VOLTS/PH/HZ | DIMENSIONS WLXH (IN.) | WEIGHT LBS. | REMARKS | SONES |
| EF1 | CARNES-VCDD008C | 1500 | 40 | 80 @ 1/8" | 120/1/60 | 8x8x3-1/4 | 10 | W/GRILLE, 4" DUCT DAMPER & ROOF CAP | 12 |
| EF2 | CARNES-VCDD008C | 1500 | 100 | 90 @ 1/8" | 120/1/60 | 12x12x3-1/4 | 15 | W/GRILLE, 4" DUCT DAMPER & ROOF CAP | 14 |
| KIT EXH FAN | QUOTON KIT HOOD MANUFACTER BY OWNER | 900 | 120 | 150 @ 1/8" | 120/1/60 | 22"x22"x18" | -- | W/BT STEEL HOOD FILTERS LIGHT & 16" DUCT TO ROOF CAP | -- |

## PLUMBING GENERAL NOTES AND SPECIFICATIONS:

1. A. SCOPE OF WORK:

THE WORK SHALL INCLUDE ALL PLUMBING NECESSARY SHOWN ON THE DRAWINGS, SPECIFIED HEREIN AND/OR AS NEEDED FOR A COMPLETE SYSTEM, INCLUDING BUT NOT NECESSARILY LIMITED TO:

1. DOMESTIC COLD AND HOT WATER PIPING SYSTEMS
2. SANITARY DRAIN AND VENT SYSTEMS
3. PLUMBING FIXTURES AND TRIM
4. AIR CONDITIONING CONDENSATE DRAINS
5. PRESSURE AND TEMPERATURE RELIEF FROM WATER HEATER
6. PIPING INSULATION
7. SUPPORTS AND HANGERS

B. ALL PLUMBING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE "SOUTH FLORIDA BUILDING CODE" ON, AN LOCAL ORDINANCES AND IN COMPLIANCE WITH THE "FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION", AND "NFPA" REGULATIONS. IN THE EVENT OF CONFLICT BETWEEN ANY CODE OR REGULATIONS, THE MORE STRINGENT REQUIREMENTS WILL GOVERN.

2. CONTRACTOR TO VERIFY AT SITE THE LOCATION, ELEVATION AND SIZE OF ALL EXISTING LINES FOR CONNECTION BEFORE INSTALLATION OF ANY PIPING.

3. UNDERGROUND METAL PIPING SHALL BE PROTECTED WITH A COAT OF BITUMINOUS COMPOUND BEFORE COVERING.

4. ALL FIXTURES SHALL BE PROTECTED AGAINST WATER HAMMER WITH AIR CHAMBERS OR SHOCK ABSORBERS AS INDICATED ON PLANS.

5. ALL FLOOR DRAINS TO HAVE TRAP PRIMERS 1/2" LINE FROM THE NEAREST PLUMBING FIXTURE.

6. PLUMBING FIXTURES SHALL BE CONSTRUCTED WITH THE APPROVED MATERIALS, SHALL HAVE SMOOTH IMPERVIOUS SURFACES AND SHALL BE FREE FROM DEFECTS AND CONCEALED FOULING SURFACES. ALL FIXTURE TRIM TO BE CHROME PLATED. FIXTURES SHALL BE PROVIDED WITH SUPPORTS, HANGERS, ETC.

7. UNDERGROUND WASTE LINES 3" AND SMALLER TO BE PVC SCH 40 AND SLOPE 1/8"/FT. WASTE LINES 2" AND UNDER AND ABOVE GROUND PIPES SLOPE AT 1/4"/FT.

8. PROVIDE FULLY ACCESSIBLE CLEAN OUTS ON SANITARY AND ANY WASTE PIPING AT EVERY CHANGE OF DIRECTION, AND AT BOTTOM OF STACKS. CLEAN OUT LOCATIONS AND SIZES ON HORIZONTAL LINES SHALL BE ACCORDING TO CODE.

9. VENT LINES TO EXTEND 9" MIN. ABOVE ROOF AND FLASH WITH LEAD.

10. WATER PIPE BELOW GROUND SHALL BE COPPER TYPE "K" ABOVE GROUND TO BE COPPER TYPE "L", OR APPROVED CPVC. NO JOINTS ALLOWED UNDER SLAB.

11. PIPING:

A. SUPPORT ALL PIPE FROM SOUND PORTIONS OF STRUCTURE AND AT PROPER INTERVALS ACCORDING WITH CODE.

B. PROVIDE SLEEVES FOR ALL PIPING PASSING THROUGH FOUNDATION SLABS OR MASONRY WALLS. CAULK OPENINGS BETWEEN PIPE AND SLEEVES.

C. WHERE EXPOSED PIPES PASS THROUGH FLOORS, WALLS, OR CEILINGS, PROVIDE ESCUTCHEONS FIRMLY SECURED TO THE PIPES AND OF SUFFICIENT OUTSIDE DIAMETER TO COVER THE SLEEVED OPENINGS FOR THE PIPES. PROVIDE CHROMIUM PLATED ESCUTCHEONS IN BATHROOMS.

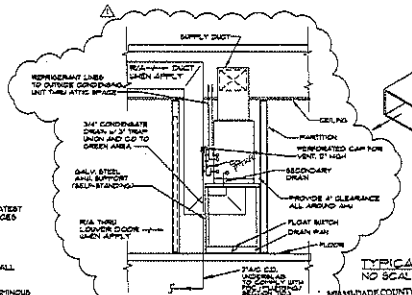
12. INSPECTIONS AND TESTS

A. CONTRACTOR SHALL BE RESPONSIBLE TO ARK FOR INSPECTIONS TO THE AUTHORITIES HAVING JURISDICTION, AS THE WORK PROGRESSES. ALL SYSTEMS SHALL BE TESTED BY CODE AND/OR LOCAL REGULATIONS.

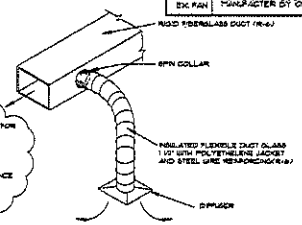
B. DRAINAGE PIPING: BEFORE INSTALLATION OF ANY DRAINS, THE ENDS OF SYSTEMS SHALL BE CAPPED AND ALL LINES FILLED WITH THE WATER TO THE HIGHEST POINT AND ALLOWED TO STAND UNTIL INSPECTION IS MADE BY AN OWNER REPRESENTATIVE.

13. STERILIZE ALL WATER LINES WITH A MIXTURE OF TWO (2) POUNDS OF CHLORINATED LIME TO EACH 1000 GALLONS OF WATER (50 PPM OF AVAILABLE CHLORINE). RETAIN MIXTURE IN PIPES 24 HOURS AND FLUSH THOROUGHLY WITH POTABLE WATER BEFORE PLACING IN SERVICE.

14. COMPLETE SYSTEM, FIXTURES AND EQUIPMENT SHALL BE GIVEN AN IN-SERVICE TEST AFTER COMPLETION OF THE INSTALLATION.



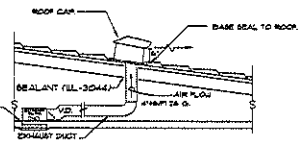

## AIR HANDLER UNIT INSTALLATION DETAIL
NO SCALE



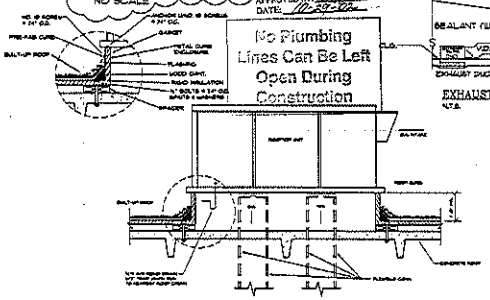

## TYPICAL DIFFUSER CONNECTION DETAIL
NO SCALE

MIAMI-DADE COUNTY BUILDING DEPARTMENT
PLUMBING SECTION
APPROVED BY
DATE: 10-29-02

No Plumbing Lines Can Be Left Open During Construction




## EXHAUST FAN & DUCT DETAIL
N.T.S.



## A/C UNIT (ROOF TOP) INSTALLATION DETAIL
NO SCALE

NOTE:
FIRE SPRINKLER DRAWINGS & HYDRAULIC CALCULATIONS TO BE DONE BY THE FIRE SPRINKLE CONTRACTOR & SUBMITTED TO THE BLDG. DEPT. BEFORE FINAL PERMIT IS ISSUED. SHOP DRAWINGS TO BE REVISED BY ENGINEERS & ARCHITECTS BEFORE BE SUBMITTED FOR PERMIT.

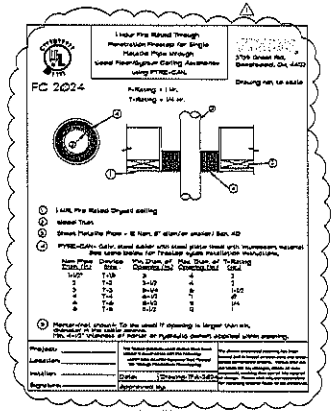
| HVAC DESIGN REQUIREMENTS | YES | NO |
|---|---|---|
| DUCT SMOKE DETECTOR | | X |
| FIRE DAMPER (S) | | X |
| SMOKE DAMPER(S) | | X |
| FIRE RATED ENCLOSURE | | X |
| FIRE DISTRICT DOOR/CLOSER (SELF-CLOSING) | | X |
| FIRE STOPPING | | X |
| SMOKE CONTROL | | X |

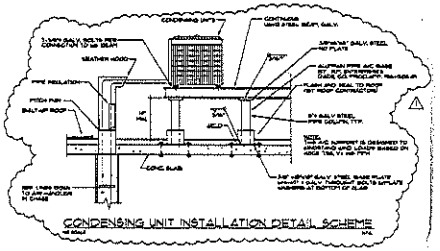
## AIR CONDITIONING SYSTEM - GENERAL NOTES:

1. DUCTWORK SHALL BE 1 1/2" THICK, 3 POUNDS PER CUBIC FOOT DENSITY FIBERGLASS WITH VAPOR BARRIER, UNLESS OTHERWISE SPECIFIED. DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ACCORDING TO "ASHRAE" AND "FLORIDA STATE CODE".
2. COORDINATE LOCATIONS, SIZES AND OPENINGS WITH OTHER TRADES ON THE JOB. A/C CONTRACTOR SHALL PROVIDE THE COMPLETE DUCT SYSTEM. A/C CONTRACTOR SHALL USE THE BEST PRACTICES OF THE TRADE IN THE FABRICATION AND INSTALLATION OF THE SYSTEM.
3. DIFFUSERS SHALL BE SELECTED, LOCATED, AND BALANCED IN ORDER THAT THEY DELIVER THE REQUIRED CFM TO THE ENTIRE ROOM EVENLY AND DRAFT FREE TO MAINTAIN THE FOLLOWING DESIGN CONDITIONS:

| MODE | OUTSIDE | RELATIVE HUMIDITY |
|---|---|---|
| COOLING - 74° DB | 91° DB - 75° WB | 50% TO 60% |
| HEATING - 70° DB | 45° DB | |

4. ALL FAN UNITS, MOTORS, COMPRESSORS, ETC. SHALL BE ISOLATED AS REQUIRED TO OPERATE QUIETLY, SO THE "CONDITIONABLE SOUND" WILL BE HEARD IN THE VARIOUS SPACES DUE TO AIR VELOCITY, MOTOR HUM, VIBRATION, OR MECHANICAL MOVEMENT.
5. A/C SYSTEM SHALL HAVE CLEANABLE AIR FILTERS LOCATED AS REQUIRED FOR EASY ACCESSIBILITY.
6. A/C SYSTEM SHALL BE CONTROLLED BY A THERMOSTAT. MOUNT THERMOSTAT 5'-0" ABOVE FINISHED FLOOR LEVEL.
7. ALL GRILLS AND DIFFUSERS TO BE ALUMINUM CONSTRUCTION. DIFFUSERS TO HAVE OPPOSED BLADE DAMPERS. PROVIDE GASKETS ON ALL GRILLES. TRIM OR ARRANGE OR APPROVED EQUAL WITH SHADES. FINISH COLOR BY ARCHITECT.
8. UNDERCUT DOORS 1" APP. AS INDICATED.
9. ALL REFRIGERANT PIPING SHALL BE COPPER - TYPE L, ACR TYPE, DEHYDRATED AND SEALED. ALL FITTINGS SHALL BE WROUGHT COPPER. ALL JOINTS SHALL BE MADE WITH HIGH TEMPERATURE BRAZING ALLOY OF NOT LESS THAN 5% SILVER. PIPING INSTALLATION NOT LESS THAN 1/4" INCH. "ANCHOFLEX". LIQUID AND SUCTION LINES SHALL BE SIZED ACCORDING TO EQUIPMENT MANUFACTURER'S RECOMMENDATIONS FOR EQUIVALENT LENGTH OF PIPING RUN FOR CONNECTED TONNAGE. ALL PIPING ACCESSORIES SHALL BE CONNECTED AS SUGGESTED BY EQUIPMENT MANUFACTURER. ALL PIPINGS SHALL BE EVACUATED PER GOOD PIPING PRACTICE BEFORE START-UP.



## CONDENSING UNIT INSTALLATION DETAIL SCHEME
NO SCALE

MIAMI-DADE COUNTY
BUILDING DEPARTMENT
MECHANICAL DIVISION
APPROVED
DATE MAY 5 2003


Lawrence A. Lordi
Lic#AR0015793
13370 SW 131 St.
Suite 104
Miami, Fl. 33186
786-293-2313


PORTO VECCHIO
6200 Paradise Point Drive
MIAMI, FLORIDA 33157

SCHEDULES & DETAILS

Lic. # AR0008223

Revisions

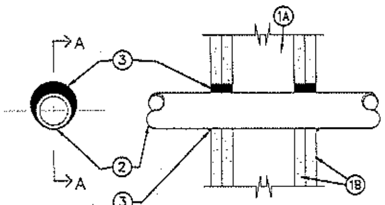
| No. | Date | Description |
|---|---|---|
| 1 | 11/1/03 | B. DEPT. |

0101-PV-ph2

| | |
|---|---|
| Date | 11-21-01 |
| Drawn by | FLR |
| Checked by | NGL |
| Scale | 1/4"=1'-0" |

Sheet MP-1

GUERRERO/GONZALEZ ENGINEERS, INC.




## SECTION A–A

System No. WL1080
F Rating – 2 Hr
T Ratings – 0 on 3/4 Hr (See Item 2)

1. Wall Assembly – The 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and across braces. Steel studs to be min 3-5/8 in. wide channels spaced max 24 in. OC.

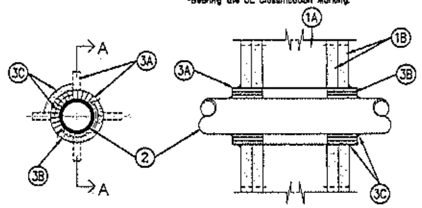
B. Wallboard, Gypsum* – Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual U300 and U400 Series Design in the UL Fire Resistance Directory. Max. diam. of opening is 5-1/4 in.

Diam of circular opening cut through both layers of gypsum wallboard on each side of wall assembly to be min 3/4 in. to max 1-1/2 in. larger than outside diam of pipe, conduit or tube. Side edge of through opening to be min 3 in. from nearest stud in wall cavity.

2. Pipe or Conduit– Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 4 in. diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 4 in. diam (or smaller) Class 50 (or heavier) ductile iron pressure pipe, nom 4 in. diam (or smaller) steel conduit, nom 4 in. diam (or smaller) steel electrical metallic tubing or nom 2 in. diam Type L (or heavier) copper tubing. When steel or iron pipe, conduit or tube is used, T Rating of firestop system (item 3) is 3/4 h. When copper tubing is used, T Rating of firestop system (item 3) is 0 h. A max of one pipe, conduit or tube is permitted in the firestop system. Max annular space between pipe, conduit or tube and edge of opening is 3/4 in. Min annular space between pipe, conduit or tube and edge of opening is zero in. (point contact). Pipe, conduit or tube to be rigidly supported on both sides of wall assembly.

3. Fill, Void or Cavity Material* – Putty – Putty fill material installed to fill annular space throughout thickness of gypsum wallboard layers on each side of wall assembly. A min. 1/4 in. diam. bead of putty is to be applied to the wall surface where the pipe, conduit or tube is installed in point contact with the edge of the through opening. Putty installed symmetrically on both sides of wall assembly.

Minnesota Mining & Mfg. Co. – Type MPS-2+putty
*Bearing the UL Classification Marking.




## SECTION A–A

System No. WL2004
(Formerly System No. 148)
F Rating – 2 Hr
T Ratings – 3/4, 1 1/2 amd 2 Hr (See Item 3)
L Rating At Ambient – 7 CFM/sq ft (See Item 3C)
L Rating At 400 F – less than 1 CFM/sq ft (See Item 3C)

1. Wall Assembly – The 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in.lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces.Steel studs to be min 3-5/8 in.wide by 1-3/8 in.deep channels spaced max 24 in.OC.

B. Wallboard, Gypsum* – Two layers of nom 5/8 in.thick gypsum wallboard, as specified in the individual wall and Partition Design. Max diam of opening is 6-1/4 in2.Nonmetallic Pipe or Conduit– One

2. Nonmetallic Pipe or Conduit– One nonmetallic pipe or conduit centered in firestop system, Pipe or conduit to be rigidly supported on both sides of wall. The following types and sizes of nonmetallic pipes or conduit may be used in closed (process or supply) or vented (drain, waste or vent) piping systems:

A. Nom 4 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) pipe.
B. Nom 4 in.diam (or smaller) Schedule 40 solid-core acrylonitrile butadiene-styrene (ABS) pipe.
C. Nom 4 in. diam (or smaller) Schedule 40 (or heavier) fire retardant polypropylene (FRPP) pipe.
D. Nom 4 in. diam (or smaller) Rigid Nonmetallic Conduit formed of PVC.
E. Nom 1 in. diam (or smaller) Electrical Nonmetallic Tubing formed of PVC.
F. Nom 2 in. diam (or smaller) SDR11 (or heavier) polybutylene (PB) pipe.
G. Nom 3 in. diam (or smaller) SDR13.5 (or heavier) chlorinated polyvinyl chloride (CPVC) pipe.

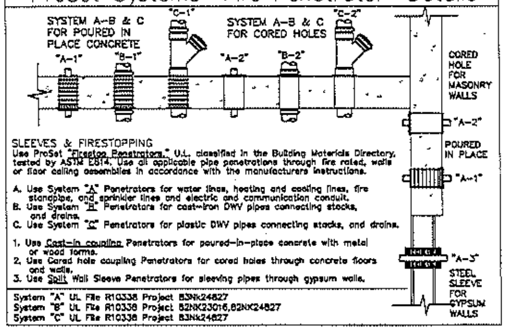
See Rigid Nonmetallic Conduit (DZKT) and Electrical Nonmetallic Tubing (FKHU) categories in Electrical Construction Materials Directory for names of manufacturers.

3. Firestop System – Installed symmetrically on both sides of wall assembly.The hourly T Ratings for the firestop system are dependent upon the type and size of nonmetallic pipe or conduit, as tabulated below:

| PIPE CONDUIT TYPE | NOM PIPE DIAM., IN. | ANNULAR SPACE, IN | F RATING, HR. | T RATING, HR |
|---|---|---|---|---|
| PB | 1/2 TO 2 | 1/4-3/8 | 2 | 2 |
| PP+ | 2-1/2,3 | 1/2-5/8 | 2 | 3/4 |
| PP+ | 3-1/2,4 | 3/4-7/8 | 2 | 3/4 |
| PVC, CPVC, ABS | 2-1/2,3 | 1/2-5/8 | 2 | 2 |
| PVC,ABS | 3-1/2,3 | 3/4-7/8 | 2 | 1-1/2 |

+Pipe covering material wrap required on pipe on both sides of wall.

## ProSet Systems "Fire Penetrator" Details

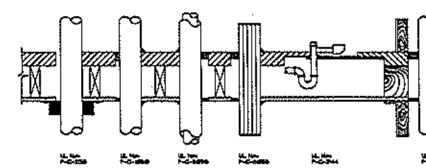



SLEEVES & FIRESTOPPING
Use ProSet "Firestop Penetrators," U.L. classified in the Building Materials Directory, tested by ASTM E814. Use all applicable pipe penetrations through fire rated, walls or floor ceiling assemblies in accordance with the manufacturers instructions.

A. Use System "A" Penetrators for water lines, heating and cooling lines, fire standpipe, and sprinkler lines and electric and communication conduit.
B. Use System "B" Penetrators for cast-iron DWV pipes connecting stacks, and drains.
C. Use System "C" Penetrators for plastic DWV pipes connecting stacks, and drains.

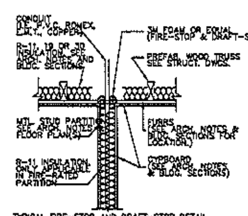
1. Use Cast-in coupling Penetrators for poured-in-place concrete with metal or wood forms.
2. Use Cored hole coupling Penetrators for cored holes through concrete floors and walls.
3. Use Split Wall Sleeve Penetrators for sleeving pipes through gypsum walls.

System "A" UL File R10338 Project 83NK24827
System "B" UL File R10338 Project 82NK23016,82NK24827
System "C" UL File R10338 Project 83NK24827



WOOD FRAME/GYPSUM CEILING/FLOOR ASSEMBLIES

FIRESTOPPING:
USE TREMCO FIRESTOPPING PRODUCTS AND SYSTEMS, UL CLASSIFIED IN THE BUILDING MATERIALS DIRECTORY AND TO ASTM E814, UL ALL APPLICABLE PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS OR FLOOR/CEILING ASSEMBLIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.




TYPICAL FIRE-STOP AND DRAFT-STOP DETAIL FOR PARTITION/CONDUIT PENETRATION N.T.S.

(System No. WL2004 Continued)

The details of the firestop system shall be as follows,System No. WL2004 Continued

A. Steel Sleeve – Nom 8 in. long cylindrical sleeve with nom 7/8 in. wide by 1-3/4 in. long anchortabs and nom. 3/4 in. long tabs to retain wrap strip layers (Item B).Sheets of precut 0.016 in.thick (30 gauge) galv sheet steel available from wrap strip manufacturer.As an alternate, cylindrical sleeve may be fabricated from min 0.016 in. thick (No. 30 gauge) galv. sheet steel in accordance with instruction sheet supplied by wrap strip manufacturer.Sheet steel formed into cylindrical sleeve with inside diam of steel sleeve and diam of through opening in the gypsum wallboard layers to be equal to outside diam of wrap strip (Item B) layers on pipe (-0,+ 1/8 in.).Cylindrical sleeve inserted in annular space around nonmetallic pipe, centered in wall and locked in position by bending the anchor tabs outward 90 deg against the inner layer of gypsum wallboard within the stud cavity.After installation of wrap strip layers (Item B), retainer tabs of cylindrical sleeve bent 90 deg toward pipe on both sides of wall assembly to lock wrap strip layers in position.

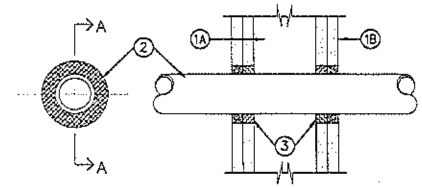
B. Fill, Void or Cavity Material* – Wrap Strip – Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips.Nom 2 in. wide strips tightly wrapped around nonmetallic pipe (foil side exposed) and slid into steel sleeve on both sides of wall assembly.For nom 1/2 in. to nom 2 in. diam nonmetallic pipes, one layer of wrap strip is required. For nom 2-1/2 in. and nom 3 in. diam nonmetallic pipes, two layers of wrap strip are required. For nom 3-1/2 in. and nom 4 in. diam nonmetallic pipes, threelayers of wrap strip are required.Each layer of wrap strip to be installed with butted seam, with butted seams in successive layers staggered. Wrap strip layers on each side of wall toprotrude approx 3/4 in. from wall surface with the exposed edges abutting the retainer tabs of the steel sleeve.Minnesota Mining & Mfg. Co. – FS-195+

C. Fill, Void or Cavity Material* – Caulk or Putty – Generous bead applied to outer perimeter of steel sleeve at interface with wall surface and to perimeter of nonmetallic pipe at itsegress from the wrap strip layers approx. 3/4 in.from the wall surface.Minnesota Mining & Mfg. Co. – CP 25WB+ Caulk or MPS-2+ Putty.D.Pipe Covering*

D. Pipe Covering* – (Not shown) – Nom 1 in. thick hollow cylindrical heavy density (min 3.5pcf) glass fiber units jacketed on the outside with an all service jacket.When required (see table), min 6 in. length of pipe covering installed around PVC pipe at its egress from steel collar on both sides of the wall. Pipe covering secured to pipe with steel wire ties spaced max 4 in. OC. Edge of pipe covering abutting wrap strip to be sealed with a min 1/4 in. diam bead of caulk (Item C).

See Pipe And Equipment Covering – Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 less and a Smoke Developed Index of 50 or less may be used.

*Bearing the UL Classification Marking.




## SECTION A–A

System No. WL1082
2F Rating – 2 Hr
T Rating – 0 Hr

1. Wall Assembly – The fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-1/2in.wide and spaced max. 24 in. OC.

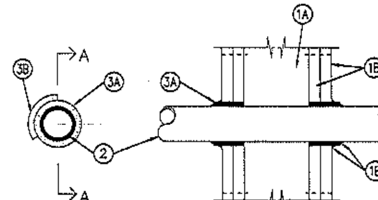
B. Wallboard, Gypsum* – Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design.Diam of opening is 1-1/2 in. larger than the outside diam of pipe.

2. Through-Penetrant – One metallic pipe, conduit or tubing to be centered within the firestop system. An annular space of 3/4 in. is required within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
A. Steel Pipe – Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
B. Conduit – Nom 6 in. diam (or smaller) steel conduit.
C. Conduit – Nom 4 in. diam (or smaller) steel electrical metallic tubing.
D. Copper Tubing – Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
E. Copper Pipe – Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.

3. Forming Material – Nom 1 in. diam polyethylene backer rod friction fitted into opening as a permanent form. Forming material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

4. Fill, Void or Cavity Material* – Sealant – Min 5/8 in. thickness of fill material applied within annulus, flush with top surface of floor or both surfaces of wall assembly.

Minnesota Mining & Mfg. Co. – Types FB-2000
*Bearing the UL Classification Marking.




## SECTION A–A

System No. WL2003
(Formerly System No. 148)
P Ratings – 1 and 2 Hr (See Item 3)
T Ratings – 1 and 2 Hr (See Item 3)
L Rating At Ambient – 7 CFM/sq ft (See Item 3B)
L Rating At 400 F – less than 1 CFM/sq ft (See Item 3B)

1. Wall Assembly – The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs – Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.

B. Wallboard, Gypsum* – 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 3-1/8 in.

2. Nonmetallic Pipe – Nom 2 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. One pipe to be centered in firestop system. The annular space between the pipe and the circular cutout in the gypsum wallboard layers on each side of the wall shall be min 1/4 in. to max 3/8 in. Pipe to be be rigidly supported on both sides of the wall assembly.

3. Firestop System – Installed symmetrically on both sides of wall assembly. The hourly F and T Ratings for the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed. The details of the firestop system shall be as follows.

A. Fill, Void or Cavity Materials* – Wrap Strip – Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips. Nom 2 in. widestrip tightly wrapped around nonmetallic pipe (foil side out) with seam butted. Wrap strip layer securely bound with steel wire or aluminum foil tape and slid into annular space approx. 1-1/4 in. such that approx. 3/4 in. of the wrap strip protrudes from the wall surface.
Minnesota Mining & Mfg. Co. – Types FS-195, FS-195+

B. Fill, Void or Cavity Materials* – Caulk–Min 1/4 in. diam continuous bead applied to leading edge of wrap strip layer (Item A) prior to insertion of wrap strip layer into annular space. After insertion of wrap strip layer in annular space, a nom 1/4 in. diam continuous bead is to be applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layers approx. 3/4 in. from the wall surface.

Minnesota Mining & Mfg. Co. – Types CP-25 S/L, CP-25 N/S, CP-25 WB, CP-25WB+. (Note: L Ratings apply only when Type CP-25 WB+ caulk is used.)
*Bearing the UL Classification Marking.

MIAMI-DADE COUNTY BUILDING DEPARTMENT MECHANICAL DIVISION
APPROVED
DATE MAY 0 5 2002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786-293-2313


PORTO VECCHIO
6200 Paradise Point Drive
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Lic. # AR0015793

| Revisions | | |
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| No. | Date | Description |
| △ | 7/1/02 | B. DEPT. |

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| Drawn by | H.H. |
| Checked by | NG |
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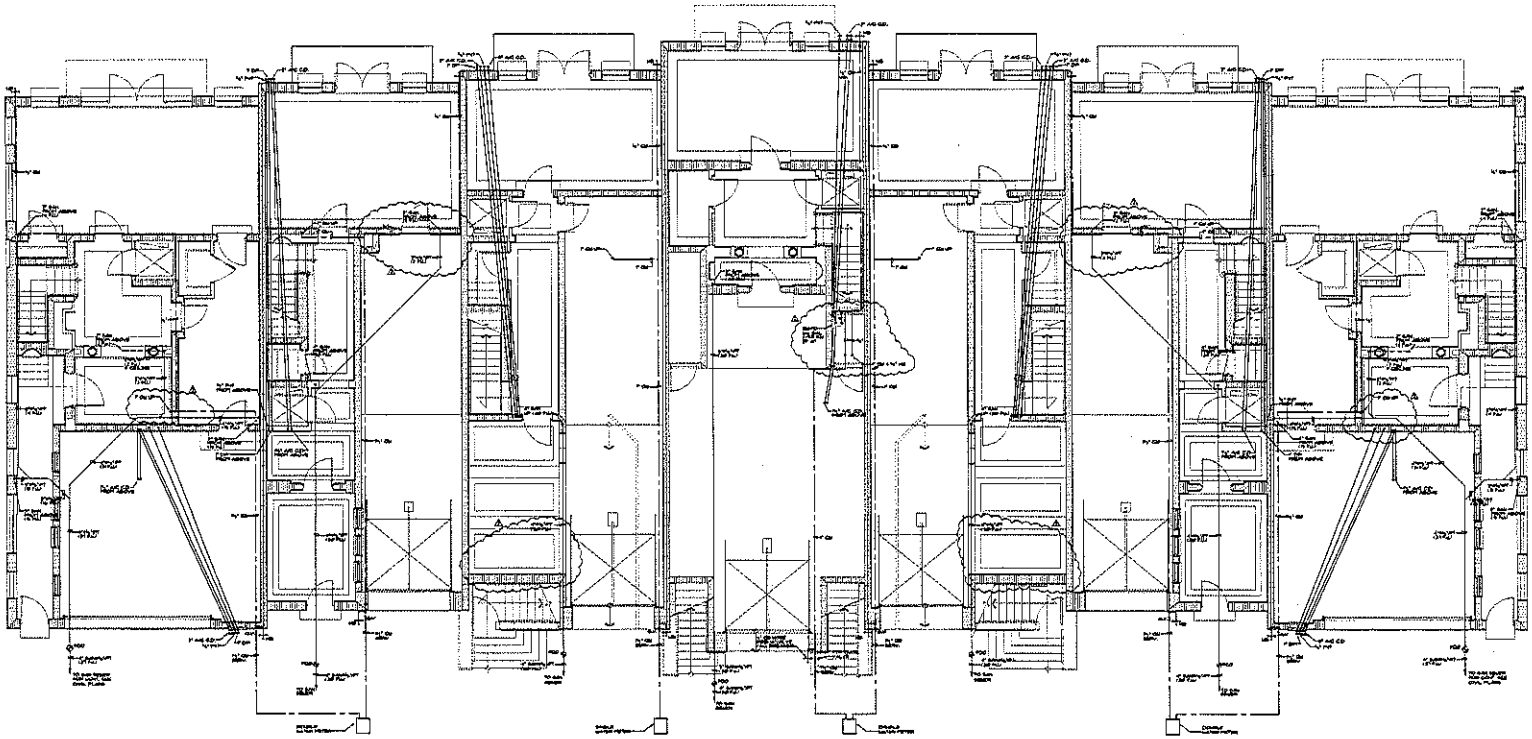

Ground Floor Plan

Units ABCD 3/16"=1'-0"

ROSELLO BALBOA + LORDI
ARCHITECTURE TOWNPLANNING
13370 SOUTHWEST 131 STREET
SUITE 104 MIAMI, FLORIDA 33186
Tel. 786.293.2313 Fax 786.293.2344

# PORTO VECCHIO-PHASE II

6200 Paradise Point Drive
MIAMI, FLORIDA 33157

Units ABC
Building Ground
Floor Plans

A.A. 26000619

Lic. # AR0015760

Revisions

| No. | Date | Description |
|---|---|---|
| 1 | | 01/25/03 |
| 2 | 10/31/03 | BLDG. DEPT. |

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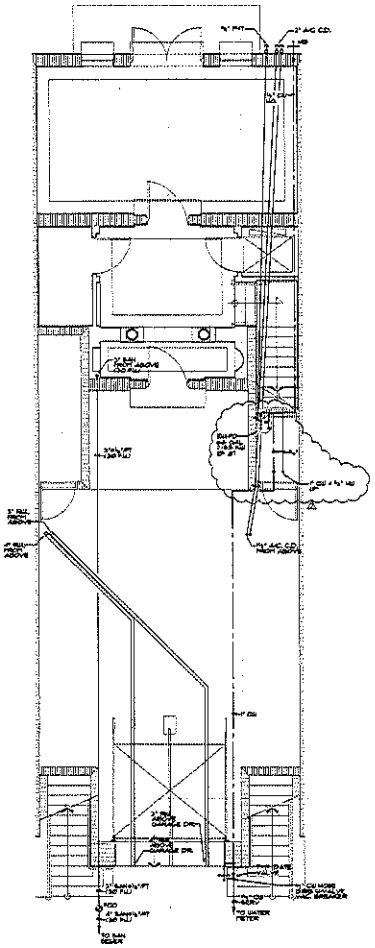
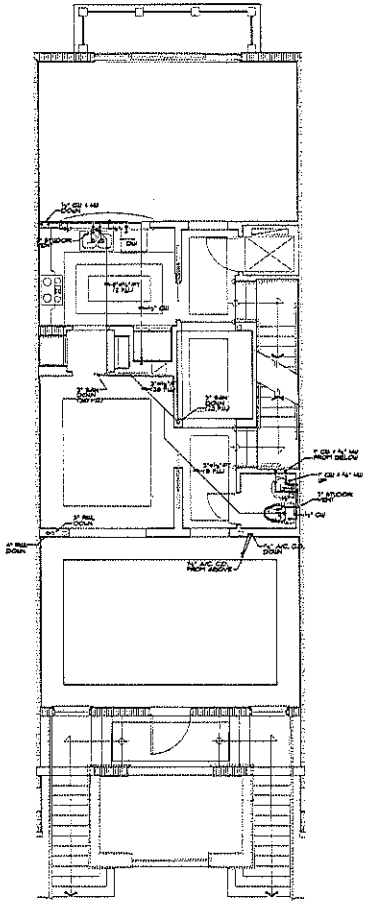
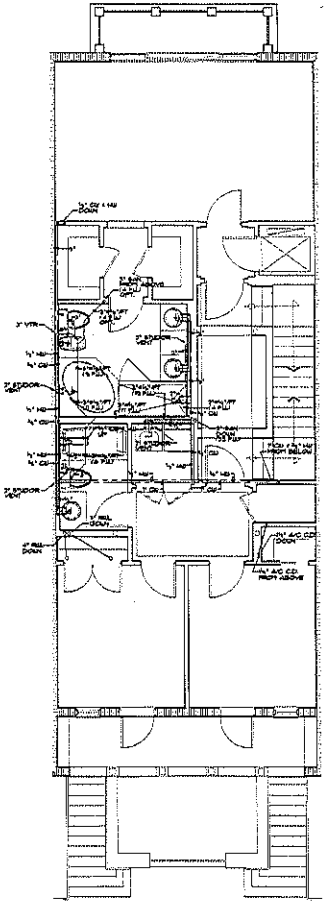


Ground Floor Plan
Unit D 1/4"=1'-0"



First Floor Plan
Unit D 1/4"=1'-0"



Second Floor Plan
Unit D 1/4"=1'-0"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# PORTO VECCHIO-PHASE II

6200 Paradise Point Drive
MIAMI, FLORIDA 33157

Unit D
Ground, 1st and 2nd
Floor Plans

A.A. 26000619

LIC. # AR0018703

Revisions

| No. | Date | Description |
|---|---|---|
| 1 | | 01/25/03 |
| 2 | 03/31/03 | BLDG. DEPT. |

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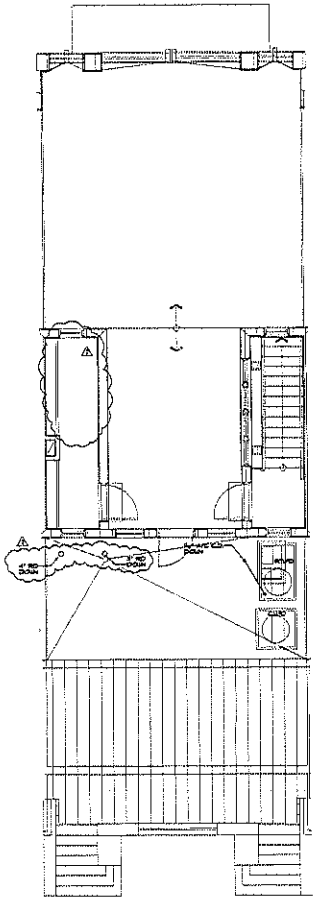

Third Floor Plan

Unit D 1/4"=1'-0"


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# PORTO VECCHIO-PHASE II

6200 Paradise Point Drive
MIAMI, FLORIDA 33157

Unit D
3rd, Roof Plan

A.A. 2000/2019

Lic. # AR0015703

Revisions

| No. | Date | Description |
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| 1 | | 01/25/03 |
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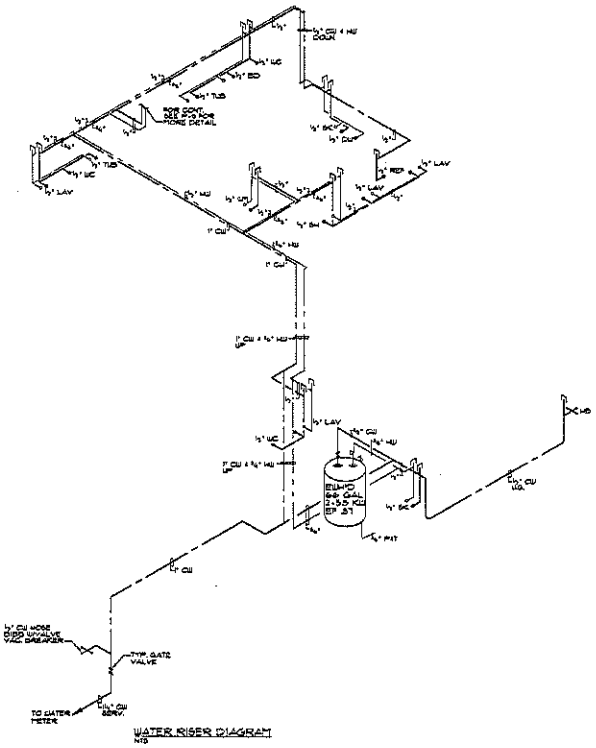
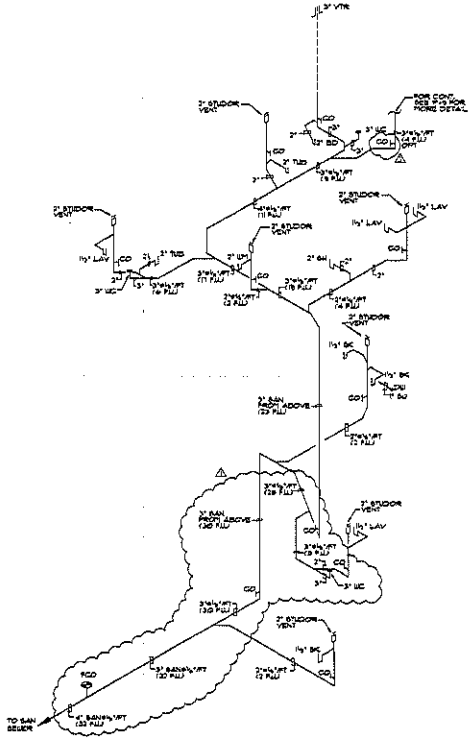



WATER RISER DIAGRAM
NTS




SANITARY RISER DIAGRAM
NTS

MIAMI-DADE COUNTY
BUILDING DEPARTMENT
PLUMBING SECTION
APPROVED BY:
DATE: 10-29-02

No Plumbing Lines Can Be Left Open During Construction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PORTO VECCHIO
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Revisions

| No | Date | Description |
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| 1 | 11/1/02 | B. DEPT. |

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