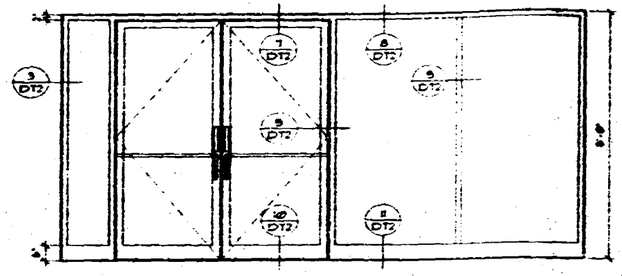
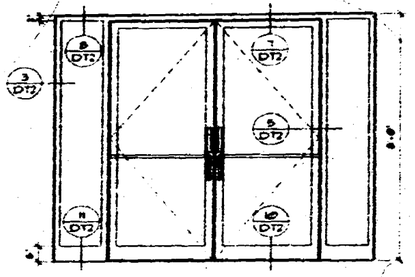
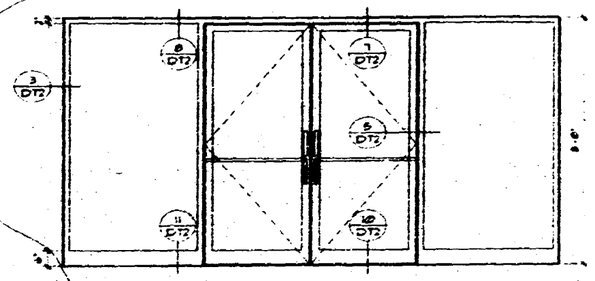


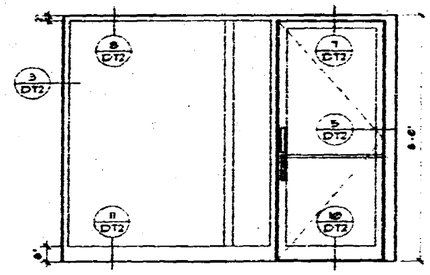
1 ELEVATION @ ELEVATOR LOBBY
1/2"= 1'-0"



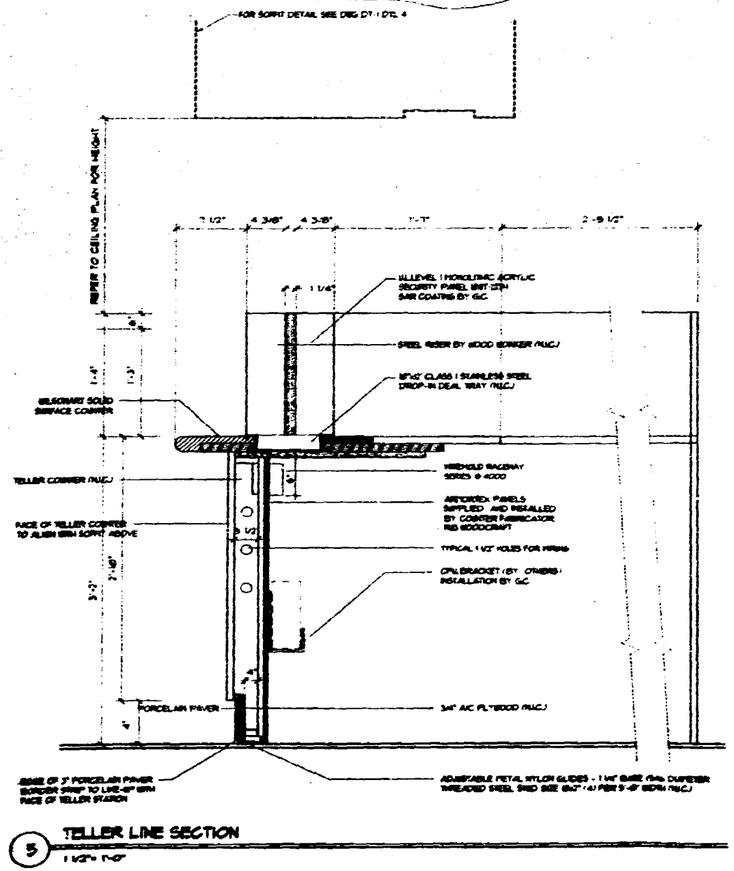
2 ENTRANCE @ ARTHUR GODFREY RD. SIDE
1/2"= 1'-0"



3 ENTRANCE @ PINE TREE DR.
1/2"= 1'-0"



4 ELEVATION @ CONFERENCE ROOM
1/2"= 1'-0"



5 TELLER LINE SECTION
1 1/2"= 1'-0"

The following shop drawings are not part of this permit. Must provide shop drawings under separate permit for:

- Mechanical Systems
- Dead Load Design
- Pool
- Fire Alarm

Mechanical
Electrical
Plumbing
Structural
Elevator

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
MECHANICAL
PLUMBING
ELECTRICAL
FIRE PROTECTION
ENGINEERING
PUBLIC WORKS
STRUCTURAL
ACCESSIBILITY
ELEVATOR

THE CONTRACTOR SHALL VERIFY AND CONFIRM IN FIELD ALL ELEVATIONS AND DIMENSIONS OF EXISTING WORK. COPIES OF THE OFFICIAL SURVEY ARE AVAILABLE UPON REQUEST.

CONTRACTOR AND SUBCONTRACTORS SHALL EXAMINE ARCHITECTURAL DRAWINGS & DRAWINGS OF ALL OTHER TRADES TO VERIFY THE LOCATION OF FIXTURES, EQUIPMENT, AND RUNNING AND FOR THE COORDINATION OF ALL TRADES.

MSA

MILLER SAVARESE ASSOCIATES
ARCHITECTS - PLANNERS

120 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036
voice (212)-764-4044
fax (212)-764-2390
internet msaarchitect.com

REVISIONS
No. Date Description

ISSUED
No. Date Issued

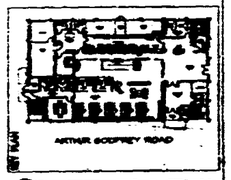
PROJECT
HSBC
301 ARTHUR GODFREY ROAD
MIAMI BEACH, FLORIDA

NORTH

DRAWING TITLE
ELEVATIONS & DETAILS

JOB NO. 544-0038
SCALE AS NOTED
DWG. DT-4
DATE 3/15/01

SITE PLAN



DT-4

06

HVAC SPECIFICATIONS

[illegible]

4. [illegible] EXACT LOCATION OF CEILING DIFFUSERS, VALVES AND EXISTING REFER TO ARCHITECTURAL PLANS AND DETAILS.

[illegible] PLAN FROM THE ENGINEER THE LOCATION [illegible] APPARATUS NOT [illegible] LOCATED ON THE DRAWINGS, [illegible] EQUIPMENT AND [illegible] IN SUCH A MANNER AS [illegible] SERVICE AND MAINTENANCE [illegible] EQUIPMENT AND ITEMS [illegible] MAINTENANCE.

[illegible] WITH THE ENGINEER AND THE BUILDING MANAGER AND [illegible] WHICH PREVENTS ADEQUATE [illegible] MAINTENANCE PRIOR TO INSTALLATION OF THE WORK. ALL EQUIPMENT AND [illegible] ACCESSORIES THAT ARE INSTALLED WITHOUT PRIOR ACCESS [illegible] THE OPINION OF THE BUILDING MANAGER AND INSTALLED WITHOUT [illegible] THE BUILDING MANAGER'S AND/OR ENGINEER'S APPROVAL SHALL BE REMOVED AND REVISED AS DIRECTED BY THE BUILDING MANAGER OR ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

[illegible] CONTRACTOR'S WORK SHALL INCLUDE THE COST OF SPRINKLING SCRAPING AND REASSEMBLY OF THE NEW EQUIPMENT AS NECESSARY TO FIT THE EQUIPMENT INTO THE BUILDING.

[illegible] CONTRACTOR'S WORK SHALL INCLUDE THE MOVING OF ALL MATERIALS AND EQUIPMENT, AND HE SHALL ASSUME ALL RESPONSIBILITY FOR SUCH HOISTING AND WORK.

[illegible] CONTRACTOR SHALL REPAIR AND RESTORE ORIGINAL CONDITION ANY EXISTING EQUIPMENT OR MATERIALS DAMAGED IN THE PROCESS OF INSTALLATION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVES.

[illegible] CONTRACTOR IS TO FILE THE REQUIRED DOCUMENTS WITH THE CITY OF MIAMI FLORIDA.

[illegible] AND REMOVAL

[illegible] CONTRACTOR SHALL ERECT AND MAINTAIN BARRIERS TO PROTECT ADJACENT AREAS FROM DUST AND DURING ENTIRE PERIOD OF DEMOLITION AND CONSTRUCTION.

[illegible] EXISTING WORK NOT INDICATED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE. IF EXISTING IS DAMAGED, CONTRACTOR SHALL MAKE REPAIRS USING SAME MATERIALS AT THE CONTRACTOR'S [illegible]

[illegible] CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGER PRIOR TO [illegible] ON OR CONNECTING TO BUILDING SYSTEM AND SHALL TAKE PRECAUTIONS AGAINST DAMAGING OR [illegible] BUILDING SYSTEMS, WIRING OR CONTROL TUBING FOR THE TENANTS ABOVE OR BELOW. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S [illegible]

[illegible] REMOVE ALL EXISTING DUCTWORK AND ANY TERMINALS. PROVIDE FOR [illegible] REMOVAL AND DISPOSAL OF ALL RUBBISH AND DEBRIS FROM THE BUILDING AND SITE. COORDINATE ALL DEMOLITIONS AND REMOVALS WITH BUILDING MANAGEMENT. PROTECT ALL WORK NOT SLATED FOR DEMOLITION.

[illegible] ALL EQUIPMENT REMOVED. STORE ALL EQUIPMENT SLATED FOR RELOCATION ON THE FLOOR [illegible] OVER TO THE BUILDING MANAGEMENT. ALL OTHER REMOVED EQUIPMENT. DISPOSE OF EQUIPMENT AND MATERIAL AS REQUIRED BY THE BUILDING MANAGEMENT.

[illegible] CLEANING AND PROTECTION

[illegible] STORE MATERIALS IN A MANNER THAT WILL MAINTAIN AN ORDERLY, CLEAN APPEARANCE.

[illegible] INLET AND DISCHARGE OPENINGS OF ALL EQUIPMENT SHALL BE KEPT COVERED UNTIL THE EQUIPMENT IS READY TO RUN.

[illegible] EQUIPMENT AND MATERIAL DAMAGED IS SUBJECT TO REJECTION AND REPLACEMENT.

[illegible] PIPING CONSTRUCTION. PROTECT ALL DUCTWORK, PIPING AND EQUIPMENT FROM DAMAGE AND DIRT. CAP THE OPENINGS OF ALL DUCTWORK, PIPING AND EQUIPMENT NOZZLES.

[illegible] AFTER COMPLETION OF PROJECT, CLEAN THE THE EXTERIOR SURFACES OF THE EQUIPMENT.

[illegible] SCOPE OF WORK

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND CONTRACTOR'S SERVICES NECESSARY FOR A COMPLETE SAFE INSTALLATION OF ALL WORK INDICATED IN CONTRACT DOCUMENTS, IN FULL CONFORMITY WITH REQUIREMENTS OF BUILDING CODES, THE BUILDING MANAGEMENT, AND OF ALL AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. SECURE CERTIFICATES, PAY ALL FEES AND CHARGES FOR ALL
2. WORK INSTALLED CERTIFYING COMPLIANCE WITH CODES OF LOCAL GOVERNING AUTHORITIES. DELIVER CERTIFICATES TO OWNER BEFORE FINAL BILLING.
3. DEMOLITION AND REMOVAL FROM SITE OF EXISTING A/C UNITS AND DUCTWORK, CEILING EXHAUST FANS, UNLESS OTHERWISE NOTED.
4. NEW LOW PRESSURE DUCTWORK AND ACCESSORIES
5. FIXED AND LOW VOLTAGE THERMOSTATS
6. DIFFUSERS, REGISTERS AND GRILLES
7. INSULATION AND ACOUSTICAL LINING
8. VIBRATION ISOLATION FOR ALL EQUIPMENT
9. MOTORS, STARTERS AND MISCELLANEOUS ELECTRICAL EQUIPMENT
10. SHOP DRAWINGS AND REVISED DRAWINGS
11. OBTAINING GOVERNMENT APPROVALS AND PERMITS.
12. COMPLETE AUTOMATIC CONTROL SYSTEMS FOR ALL THE UNITS
13. RELOCATION OF EXISTING THERMOSTATS
14. STOPPING AND PROTECTION OF EQUIPMENT AND/OR APPURTENANCES SPECIFIED HEREIN
15. CUTTING AND ROUGH PATCHING REQUIRED FOR THE WORK OF THIS TRADE
16. NEW THERMOSTATS, CONTROL VALVES
17. TESTING OF NEW PIPING
18. INSTALLATION AND TESTING OF SMOKE DETECTORS

E. CODES AND REGULATIONS

1. WORK SHALL MEET OR EXCEED THE LATEST REQUIREMENTS OF NATIONAL, STATE, COUNTY, MUNICIPAL AND OTHER AUTHORITIES EXERCISING JURISDICTION OVER THE CONSTRUCTION WORK AT THE PROJECT.
2. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING BUILDING TO WHICH REFERENCE OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS. ALL INSPECTIONS SHALL BE CARRIED OUT BY THE CONTRACTOR. SHALL INFORM THE OWNER PRIOR TO SUBMITTING A PROPOSAL [illegible] ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS OR REGULATIONS. ANY WORK DONE BY THE CONTRACTOR ALTERATION SHALL BE CORRECTED BY THE CONTRACTOR.
3. CONTRACTOR SHALL GIVE NECESSARY NOTICES, FILE DRAWINGS AND SPECIFICATIONS WITH ALL DEPARTMENTS HAVING JURISDICTION, OBTAIN ALL NECESSARY PERMITS AND CERTIFICATES. PAY ALL FEES AND CHARGES CONNECTED THEREWITH. ALL FEES AND CHARGES CONNECTED THEREWITH. ALL FEES AND CHARGES SHALL BE REIMBURSED TO THE OWNER BEFORE THE WORK IS FINALLY ACCEPTED.

F. GUARANTEE AND CERTIFICATION

THE CONTRACTOR SHALL GUARANTEE WORK PERFORMED AND MATERIALS INSTALLED TO BE FREE FROM DEFECTS AND SHALL REPLACE ANY DEFECTIVE MATERIAL OR WORKMANSHIP FREE OF COST TO THE OWNER FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE, EXCEPTING [illegible] OF DATE OF FINAL PAYMENT.

G. SUBMITTALS AND RECORD DRAWINGS

1. PRIOR TO ASSEMBLING OR INSTALLING THE WORK THE FOLLOWING SHALL BE SUBMITTED FOR APPROVAL:
   a. SHOP SCALE DRAWINGS INDICATING DUCT LAYOUT
   b. DUCT CONSTRUCTION STANDARDS AND DETAILS
   c. CUTS AND TECHNICAL DATA ON EACH EQUIPMENT, [illegible] DIFFUSER, GRILLE, DAMPER, ACCESS DOOR, THERMOSTAT, VIBRATION ISOLATION EQUIPMENT, INSTALLATION DETAILS.
2. DOCUMENTS WILL NOT BE ACCEPTED FOR APPROVAL UNLESS:
   a. FOUR (4) COPIES OF EACH ARE SUBMITTED, ONE OF THESE COPIES BEING OF THE SEPIA TYPE.
   b. DUCTWORK SHOP DRAWINGS SHALL BE FULLY COORDINATED WITH EXISTING FIELD CONDITIONS AND WORK OF OTHER TRADES AND SHALL BE SO STATED ON THE SHOP DRAWINGS.
3. RECORD DRAWINGS. RECORD ALL DEVIATIONS FROM CONTRACT DRAWINGS AND DELIVER TO OWNER MYLAR TRANSFERS SHOWING BUILT AS ACTUALLY INSTALLED.

H. CONNECTIONS TO EXISTING WORK

1. PLAN INSTALLATION OF NEW WORK AND CONNECTIONS TO EXISTING WORK TO ENSURE MINIMUM INTERFERENCE WITH REGULAR OPERATION OF EXISTING FACILITIES. SUBMIT WRITTEN FOR APPROVAL DETAILED SCHEDULE OF NECESSARY MEMBERS AND DURATION OF EXISTING SERVICES. ALL SHUTDOWNS SHALL BE MADE AT SUCH TIMES AS WILL NOT INTERFERE WITH REGULAR OPERATION OF EXISTING FACILITIES AND ONLY AFTER WRITTEN APPROVAL OF THE BUILDING.
2. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND APPROVED MANNER. RESTORE EXISTING WORK DISTURBED WHILE INSTALLING NEW WORK TO A CONDITION ACCEPTABLE TO THE ENGINEER.

I. WIRING

THE RESPONSIBILITY OF THIS TRADE IN CONNECTION WITH ELECTRICAL WORK IS AS FOLLOWS:

1. FURNISH AND DELIVER TO THE SITE ACTUATING DEVICES WHICH REQUIRE ELECTRICAL CONNECTION ONLY (SUCH AS PUSH-BUTTON STATIONS, WALL-MOUNTED ELECTRICAL CONTACTING THERMOSTATS, ETC.) FOR MOUNTING AND CONNECTION BY THE ELECTRICAL TRADE.
2. PROVIDE NECESSARY INFORMATION, SUPERVISION AND COORDINATION AS REQUIRED TO IMPLEMENT THE WIRING DIAGRAMS AND OTHER INFORMATION FOR WORK OF THE ELECTRICAL TRADE.
3. FURNISH AND INSTALL AUTOMATIC CONTROL WIRING BELOW 100 VOLT WIRING SHALL CONFORM TO THE NATIONAL ELECTRIC CODE AND TO AND LOCAL AND/OR STATE CODES THAT APPLY.

J. MOTORS

1. ALL MOTOR AND MOTOR CONTROL EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND THE LOCAL PUBLIC UTILITY FURNISHING CURRENT TO THE BUILDING.
2. MOTOR CONTROL
   a. FURNISH SUITABLE STARTING AND CONTROLLING EQUIPMENT FOR MOTORS FURNISHED AS PART OF THE AIR CONDITIONING SYSTEMS.
   b. STARTING EQUIPMENT FOR ALL MOTORS SHALL BE THE PRODUCT OF CUTLER-HAMMER, WESTINGHOUSE, GENERAL ELECTRIC, OR ALLEN BRADLEY.
   c. PROVIDE PERMANENT NAMEPLATES MOUNTED ON THE COVER OF EVERY STARTER, SWITCH, OR CIRCUIT BREAKER, REGARDLESS OF ITS LOCATION.
   d. PROVIDE "HANDS-OFF AUTOMATIC" (HOA) STARTERS FOR ALL CYCLING EQUIPMENT.

K. CUTTING AND PATCHING

ALL CUTTING AND ROUGH PATCHING FOR THE INSTALLATION OF THE NEW WORK SHALL BE INCLUDED. FINISH PATCHING SHALL BE BY THE GENERAL CONTRACTOR.

L. SLEEVES AND OPENINGS

1. SLEEVES FOR ALL PIPING AND DUCTWORK PASSING THROUGH WALLS
2. SLEEVES SHALL BE 20 USSG GALVANIZED IRON
3. SEAL OPENINGS BETWEEN SLEEVES AND PIPE OR PIPE INSULATION, FOR FULL DEPTH OF SLEEVE, WITH MINERAL WOOL OR EQUIVALENT NON-ASBESTOS, NON-COMBUSTIBLE MATERIAL.

M. PIPING FOR HVAC SYSTEMS

1. GENERAL
   a. NO PIPING SHALL BE LESS THAN 3/4", UNLESS OTHERWISE NOTED.
   b. FOR PIPE SIZES NOT INDICATED ON PLANS, SEE MANUFACTURER'S EQUIPMENT CONNECTION DETAILS.
   c. PROVIDE FITTINGS FOR CHANGE IN PIPE SIZE FOR FINAL CONNECTION AT EQUIPMENT AS REQUIRED.
   d. PROVIDE UNION CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON EACH SIDE OF ALL VALVES AND IN-LINE EQUIPMENT. ALL EQUIPMENT SHALL BE PROVIDED WITH UNIONS FOR EASY REMOVAL AND SERVICING.
   e. PROVIDE VALVES AND CAPPED CONNECTIONS AT ALL LOW POINTS IN PIPING SYSTEMS, AS REQUIRED FOR DRAINING SYSTEMS.
   f. ALL PIPING BETWEEN STEEL OR BRONZE DIELECTRIC FITTINGS SHALL BE BRAZED USING SILVER SOLDER AND ALL DIELECTRIC FITTINGS TO COPPER PIPE SHALL BE BRAZED USING [illegible] APPROVED 95-5 % LEAD-FREE SOLDER ALLOY.
   g. PRESSURE RATING OF STRAINER TO MATCH THAT OF THE VALVES IN THE SAME LINE. PROVIDE DIELECTRIC UNIONS BETWEEN ALL FERROUS AND NON-FERROUS PIPING.
   h. HIGH POINTS OF ALL WATER PIPING AND AT ALL LOWS SHALL BE PROVIDED WITH AUTOMATIC AIR VENTS AND FLUSH VENTS. SHALL HAVE DRAIN VALVES WITH HOSE CONNECTIONS FOR COMPLETE DRAINING OF THE LINES, RATED FOR 200 P.S.I.G.
   i. PROVIDE COLLECTING GASKETS BETWEEN JOINTS OF DISSIMILAR METALS AND SLEEVES AND WASHERS BETWEEN FLANGES, BOLTS AND NUTS.
   j. ALL PIPING SHALL BE LABELLED TO INDICATE SIZE, DIRECTION AND DIRECTION OF FLOW IN SUCH A MANNER THAT IT CAN EASILY BE READ FROM THE FLOOR. LETTERS SHALL NOT BE LESS THAN 2".
   k. BALANCE AND ADJUST ALL MANUAL BALANCING VALVES.
   l. PROVIDE MINIMUM PITCH TO ENSURE ADEQUATE VENTING AND DRAINAGE.
   m. PROVIDE, AS REQUIRED, AUTOMATIC AIR VENTS, MANUAL AIR VENTS AND RELIEF AIR VENTS.
   n. AVOID ENTRY OF FOREIGN MATTER INTO PIPING DURING CONSTRUCTION. AFTER COMPLETION OF PIPING, FLUSH SYSTEM WITH WATER FOR AN 8 HOUR PERIOD. REMOVE AND CLEAN STRAINERS, AND BLOW OFF ALL DRAIN POINTS. REPEAT THE 8 HOUR PERIOD. FILL SYSTEM WITH WATER OR FOR GLYCOL SYSTEMS, REFILL WITH 40% OF ETHYLENE GLYCOL SOLUTION [illegible] CORROSION INHIBITOR AND PROVIDE WATER TREATMENT IN ACCORDANCE WITH THE BUILDING STANDARDS.
2. COMPLETE WITH:
   a. PIPE
   b. FITTINGS
   c. VALVES
   d. HANGERS, SUPPORTS
   e. ACCESSORIES
3. MATERIALS
   a. HOT WATER PIPING SHALL BE STEEL SCHEDULE 40, SEAMLESS OR ELECTRIC WELD ASTM-53.
   b. CONDENSATE DRAIN PIPING SHALL BE TYPE "L" COPPER TUBING.
   c. REFRIGERATION PIPING SHALL BE TYPE "L" COPPER TUBING OF THE SIZE SHOWN ON THE DRAWINGS OR AS RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT INSTALLED. ALL NEW REFRIGERATION PIPING SHALL BE TESTED AS PER THE MANUFACTURER'S REQUIREMENTS.
4. FITTINGS AND VALVES
   a. STEEL PIPING FITTINGS 2" AND SMALLER SHALL BE 250 LB CAST IRON FITTINGS 2½" AND LARGER SHALL BE 250 LB ASB FLANGED OR BUTT WELDED.
   b. COMPRESSION AND FLARED FITTINGS CAST BRASS AND 615.26 FLANGE GASKETS FOR JOINTS OF DISSIMILAR METALS. ISOLATING SLEEVES AND WASHERS BETWEEN FLANGES, BOLTS AND NUTS.
   c. PROVIDE 1/2" DRAIN VALVE AND CAPPED CONNECTIONS AT LOW POINTS. PROVIDE 3/4" CAPPED CONNECTION FOR DRAINING CONNECTION AT THE LOWEST POINT IN THE SYSTEM AND IN EQUIPMENT ROOM.
   d. TRAP LEAD IN CONDENSATE DRAIN PIPING SHALL BE MINIMUM 1" GREATER THAN THE STATIC PRESSURE IN THE SYSTEM.
   e. STEEL PIPING 2½" AND ABOVE SHALL BE WELDED AND CONFORM TO THE LATEST REVISION OF B31.1 CODE FOR PRESSURE PIPING CHAPTER VI AND 49 SAFETY IN WELDING AND CUTTING. AS CODE FOR FUEL AND OTHER NFA GOVERNING PIPING.
   f. WELDERS SHALL BE QUALIFIED PER SECTION IX OF ASME BOILER AND PRESSURE VESSEL CODE.
   g. STEEL PIPING 2" AND BELOW MAY BE SCREWED ENDS AND THREADED TO CORRECT LENGTHS.
   h. CONDENSATE DISCHARGE PIPING 95-5 SOLDER JOINT CONNECTIONS.

   VALVES SHALL BE SUITABLE FOR THE SERVICE PRESSURE AND TEMPERATURE AND SHALL BE:
   1. GATE VALVE: DEWRIGHT FIGURE 270 OR APPROVED EQUAL. BRONZE 150 LBS S.W.P., SOLID WEDGE, INSIDE SCREW, RISING HANDWHEEL.
   2. GLOBE VALVE: DEWRIGHT FIGURE 538, BRONZE, 300 LBS S.W.P., INSIDE SCREW, UNION BONNET, RENEWABLE DISC.
   3. CHECK VALVE: DEWRIGHT FIGURE 508, BRONZE, 300 LBS S.W.P., INSIDE SCREW, UNION BONNET.
   4. BALANCING VALVE: BELL AND HOWSETT "CIRCUIT SETTER".
   5. STRAINER: MUELLER STEAM SPECIALTY, MODEL [illegible] OR APPROVED EQUAL. SCREWED ENDS, [illegible] 300 LBS S.W.P., FORGED STEEL BODY, CAST STEEL [illegible], STAINLESS STEEL 18 MESH SCREEN WITH 1/8" PERFORATIONS.
5. PRESSURE GAUGES: PRESSURE GAUGES SHALL BE PHOSPHOR BRONZE BOURDON TUBE ACTUATED WITH A 4½" DIAL ALUMINUM FACE. THE RANGE OF THE GAUGE SHALL BE SUITABLE FOR THE SERVICE INTENDED. ALL PRESSURE GAUGES SHALL BE INSTALLED WITH BRASS CAPILLARY SIPHONS. PRESSURE GAUGES SHALL BE TAYLOR, WEKSLER ASHCROFT AND MARSH REPLACEMENT CO.
6. THERMOMETERS: ALL TEMPERATURE GAUGES ARE TO BE 3½" DIAL VAPOR TENSION TYPE WITH 180 DEGREE ROTATION ADJUSTMENT, MARSH TYPE 59V OR APPROVED EQUAL, WITH SUITABLE SCALE, DRAWN BLACK STEEL CASE AND BLACK SLIP RING. SCALE SELECTED FOR OPERATING TEMPERATURE IN MID-RANGE AND SUITABLE FOR 150 LBS W.O.G.
7. SOLDERED JOINTS: 95-5 TIN ANTIMONY SOLDER HAVING A MELTING POINT GREATER THAN 450 DEGREES F. EXCESS SOLDER SHALL BE REMOVED WHILE STILL IN THE MOLTEN STATE WITH A FILL LEFT AT THE FACE OF THE FITTING.

[illegible] PROVIDE AUTOMATIC AIR VENTS, SCALD [illegible] AIRTIGHT PIPING SYSTEMS AS INDICATED. [illegible] FILLING, DRAINAGE AND AIR TIGHT SYSTEM [illegible] AND PIPING FROM OUTLET TO NEAREST [illegible]

[illegible] WITH FITTINGS WELLS, [illegible] INSERTION TO ACCOMMODATE THERMOMETER, [illegible] THERMOSTATIC SENSING ELEMENTS, THAT ARE [illegible] SYSTEMS.

[illegible] HANGERS, PROPERLY AND SUPPORTS FOR PIPING TO [illegible] AND FULL CONTENTS PREVENT VIBRATION AND [illegible] ALLOW FOR EXPANSION AND CONTRACTION.

[illegible] SHALL CONFORM TO THE LATEST REQUIREMENTS OF [illegible] MANUFACTURED BY GRINNELL CO., CENTRAL [illegible] OR AN APPROVED EQUAL.

[illegible] INSERTS AND CLAMPS SHALL BE THOSE [illegible] PROPERTIES USE BY THE UNDERWRITER'S [illegible]

[illegible] SUPPORTS AT CHANGE OF DIRECTION, [illegible] ALLOW FOR LOADS DUE TO VALVES, ETC.

[illegible] SHALL BE SUPPORTED WITH BEARING PLATE ON [illegible] PIPES AT EVERY SECOND [illegible] TO EXCEEDS 8 FT. SUPPORT AT TOP [illegible] WITH SPRING HANGER HAVING A PROVISION [illegible]

[illegible] SHALL BE OF THE FOLLOWING SIZE AND SPACING:

[illegible]	ROD DIAMETER	MAXIMUM HANGER SPACING
[illegible]	[illegible]	6 FEET
[illegible]	[illegible]	9 FEET
[illegible]	[illegible]	11 FEET

[illegible] PIPING [illegible] FOR ALL EXPOSED PIPING [illegible] PASSING THROUGH WALLS [illegible] SHALL BE CHROMIUM PLATED BRASS [illegible] CAST IRON.

N. VALVE TAGS

PROVIDE VALVE TAGS FOR EACH VALVE AND CONTROL DEVICE EXCEPT EQUIPMENT TAGS. [illegible]

[illegible] TAGS SHALL BE MINIMUM 1½" DIAMETER, NO. 18 BS GAUGE BRASS, [illegible] LETTER AND NUMBER FILLED IN WITH BLACK PAINT, FASTENED BY HEAVY BRASS HOOK OR CHAIN.

[illegible] USE DIFFERENT LETTERS TAGS THAN THOSE USED FOR PLUMBING OR SPRINKLER WORK.

O. DUCTWORK AND ACCESSORIES

1. SHEET METAL DUCTWORK
   a. DUCTWORK SHALL BE FURNISHED, INSTALLED AND [illegible] IN ACCORDANCE WITH THE LATEST EDITION OF THE [illegible] PRESSURE DUCTWORK, [illegible] PRESSURE DUCTWORK, USING PRIME SHEETS OF [illegible] MANUALS. DUCTWORK UPSTREAM OF VAV BOX TO BE 4" [illegible] DOWNSTREAM OF VAV BOXES AND AT AIR COOLED UNITS TO BE [illegible] CLASS.
   b. [illegible] SHALL BE PROVIDED WITH TURNING VANES [illegible] MAXIMUM [illegible] CENTERS. ROUND ELBOWS SHALL HAVE FULL [illegible]
   c. [illegible] SHALL BE TIGHT AND FREE FROM LEAKS AND [illegible] JOINTS IN DUCTWORK SHALL BE SEALED [illegible] INCLUDES ALL SUPPLY, RETURN AND EXHAUST [illegible] SEALER EXPOSING 5-20 SHALL BE USED AND SHALL BE TESTED FOR AIRTIGHTNESS AFTER INSTALLATION.
   d. [illegible] HORIZONTAL DUCTS WITH HANGERS SECURED TO [illegible] STEEL ABOVE. INSTALL ADDITIONAL STEEL AS REQUIRED.
   e. PROVIDE ACCESS DOORS AT ALL FIRE AND AUTOMATIC DAMPERS. [illegible] ACCESS DOORS SHALL BE AS PER LATEST [illegible]

[illegible]

LASZLO BODNIK ENGINEER, P.C.
[illegible]

MSA

MILLER SAVARESE ASSOCIATES
ARCHITECTS - PLANNERS

1520 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036
voice (212)-704-4044
fax (212)-704-2196
internet msassc@aol.com

REVISIONS		
DATE	DESCRIPTION	DRAWING NO.
5/27/04	PER NEW MET	

ISSUES		
DATE	ISSUED TO	
5/27/04	REVIEW MET	

PROJECT
HSBC
301 ARTHUR GODFREY ROAD
MIAMI BEACH, FLORIDA

DRAWING TITLE
MECHANICAL SPECIFICATION

DWG NO.	DWG	DATE
01101	03/MESP1	
SCALE: NONE		

NORTH

KEY PLAN
ARTHUR GODFREY ROAD

SEAL
ROBERT M. MILLER, [illegible]
MICHAEL SAVARESE, [illegible]

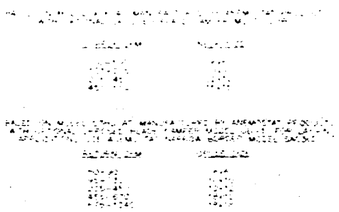
SHEET NO. M-1

[illegible]

[illegible]

[illegible]

CEILING DIFFUSER AND RETURN GRILLE SCHEDULE



SYMBOL LIST AND ABBREVIATIONS

- NEW WORK
- NEW DUCTWORK WITH ACOUSTIC LINING
- EXISTING WORK TO REMAIN
- EXISTING WORK TO BE REMOVED
- CONNECT TO EXISTING
- CEILING DIFFUSER
- CEILING RETURN GRILLE
- CEILING GRILLE (CEILING RETURN)
- LINEAR DIFFUSER
- RETURN RETURN
- CUBIC FEET MINUTE AIR FLOW
- THERMOSTAT
- VOLUME DAMPER
- UNDERCUT
- SHUTTER DAMPER
- MOTORIZED DAMPER
- DUCT MOUNTED SMOKE DETECTOR
- SQUARE FLOW
- AIR CONDITIONING UNIT
- CAP EXISTING WORK
- CWS CONDENSER WATER SUPPLY
- CWR CONDENSER WATER RETURN
- WIRE MESH SCREEN
- FC FLEXIBLE CONNECTION
- SA SUPPLY AIR
- RA RETURN AIR

FAN SCHEDULE

TAG NO.	MODEL	CFM	E.S.P.	WATTS/HP	RPM	V/PH/HZ	REMARKS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SEE NOTE ①
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SEE NOTE ①
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	PENN
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	PENN

① SET FAN FOR MAXIMUM TO BE DETERMINED BY OWNER. [illegible] SHALL BE [illegible] MOTOR.

SOUTH FLORIDA BUILDING CODE

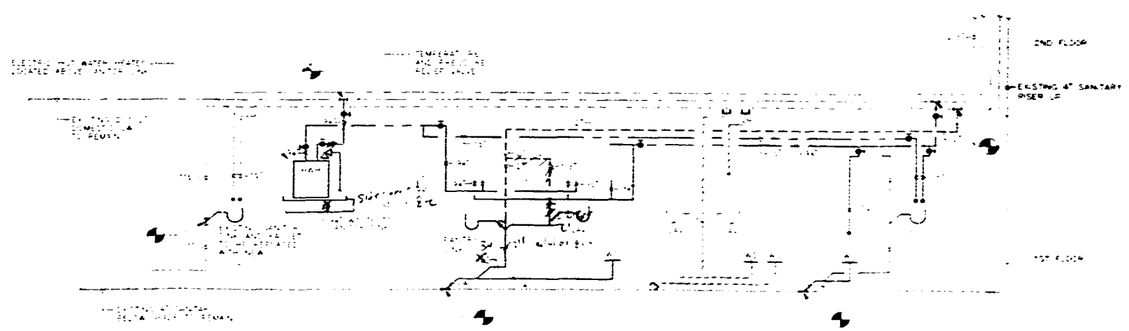
APPENDIX A

[illegible]	[illegible]	[illegible]
[illegible]		
[illegible]		
[illegible]	

SPECIFICATIONS FOR PLUMBING

GENERAL NOTES

PLUMBING SYMBOLS



PLUMBING RISER DIAGRAM

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

MSA

MILLER SAVARESE ASSOCIATES
ARCHITECTS - PLANNERS

1120 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036
voice (212)-704-4044
fax (212)-704-2198
Internet msasc@aol.com

REVISIONS

ISSUES

NORTH

PROJECT
HSBC
301 ARTHUR GODFREY ROAD
MIAMI BEACH, FLORIDA

DRAWING TITLE
PLUMBING SPECIFICATIONS

JOB NO. 0701	SCALE N.T.S.	DWG 101PLSP	DATE

KEY PLAN

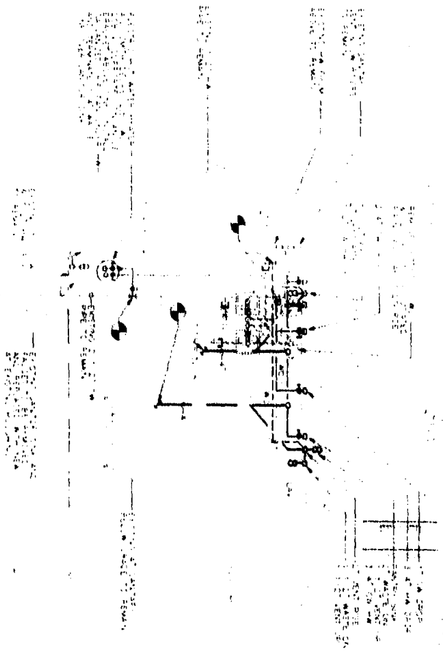
ARTHUR GODFREY ROAD

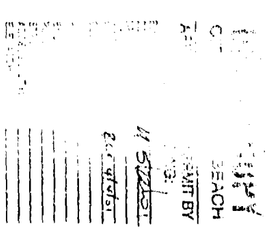
SEAL

ROBERT M. MILLER
NY. LIC. 035047
MICHAEL SAVARESE
NY. LIC. 035043

SHEET NO. P-1

LASZLO BODNAK ENGINEER, P.C.
45 West 36th Street
New York, N.Y. 10018
Tel (212) 643-0818
Fax (212) 643-3058





USCLD BOOK DIGNER, P.C.

SEAL

ROBERT M. MILLER
REG. NO. 22867
MICHAEL SAVARESE
REG. NO. 19043

SHEET NO.
P-2

KEY PLAN

PROJECT
HSBC
301 ARTHUR GODFREY ROAD
MIAMI BEACH, FLORIDA

DRAWING TITLE
PLUMBING PLAN

JOB NO.	SCALE	DWG.	DATE
01101	3/16" = 1'-0"	101PL1	

NORTH

ISSUES

DATE	ISSUED TO
3/22/01	REVIEW SET

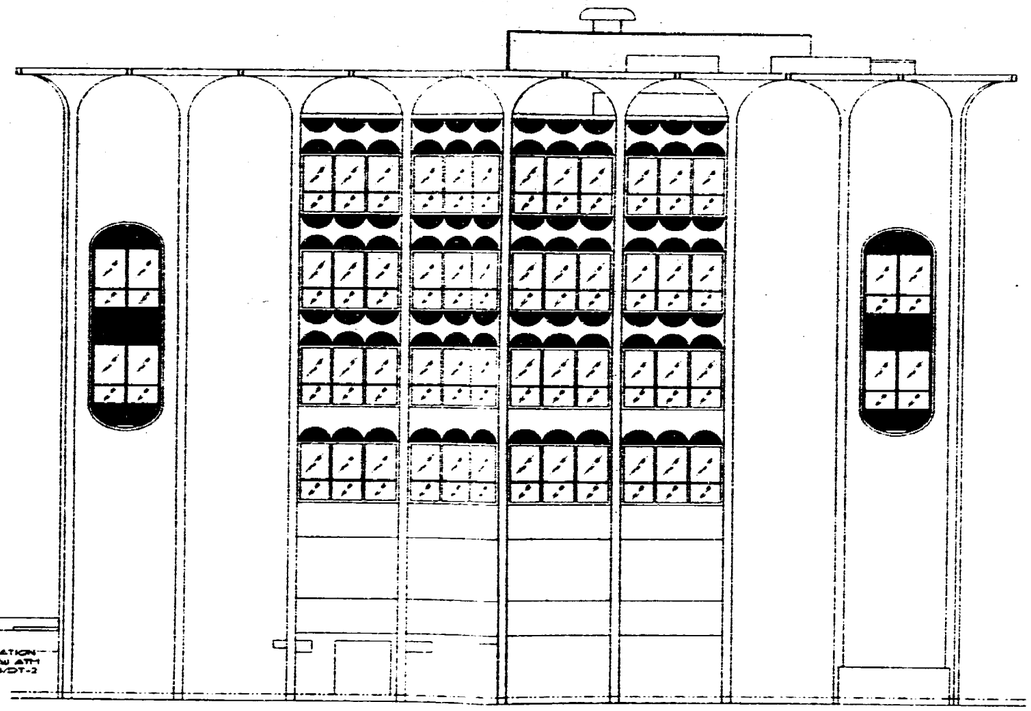
REVISIONS

DATE	DESCRIPTION
3/27/01	FOR BID

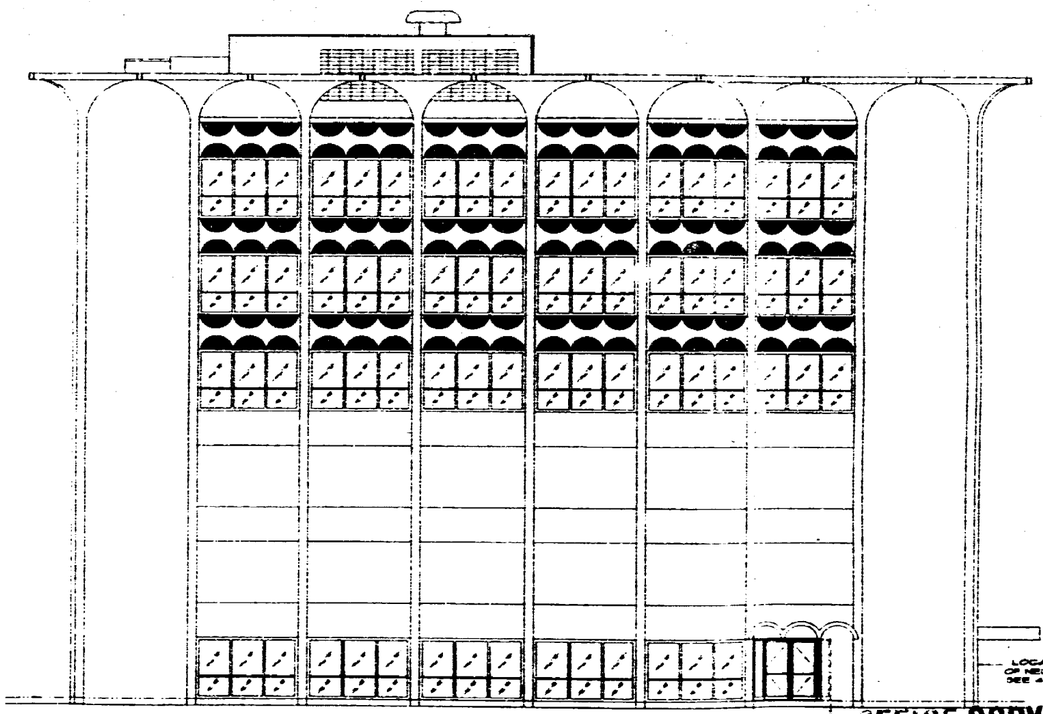
MILLER SAVARESE ASSOCIATES
ARCHITECTS - PLANNERS

7120 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036
voice (212)-704-4044
fax (212)-704-2198
internet msassc@aol.com

MSA



NORTH ELEVATION
SCALE 1/8"=1'-0"



SOUTH ELEVATION
SCALE 1/8"=1'-0"

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CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
BUILDING:
ZONING:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

THE CONTRACTOR SHALL VERIFY AND CONFIRM IN WRITING ALL ELEVATIONS AND DIMENSIONS OF EXISTING WORK. COPIES OF THE OFFICIAL SURVEY ARE AVAILABLE UPON REQUEST.

CONTRACTORS AND SUBCONTRACTORS SHALL EXAMINE ARCHITECTURAL DRAWINGS & SPECIFICATIONS OF ALL OTHER TRADES TO VERIFY THE LOCATIONS, THICKNESS OF ASSEMBLY, AND REQUIRED FIELD FIXTURE COORDINATION OF ALL TRADES.

MSA

MILLER SAVARESE ASSOCIATES
ARCHITECTS - PLANNERS

1500 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10036
voice (212)-956-0444
fax (212)-956-2180
internet msaarch@aol.com

REVISIONS
No. DESCRIPTION

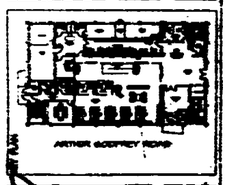
ISSUES
No. DESCRIPTION

PROJECT
HSBC
301 ARTHUR GODFREY ROAD
MIAMI BEACH, FLORIDA

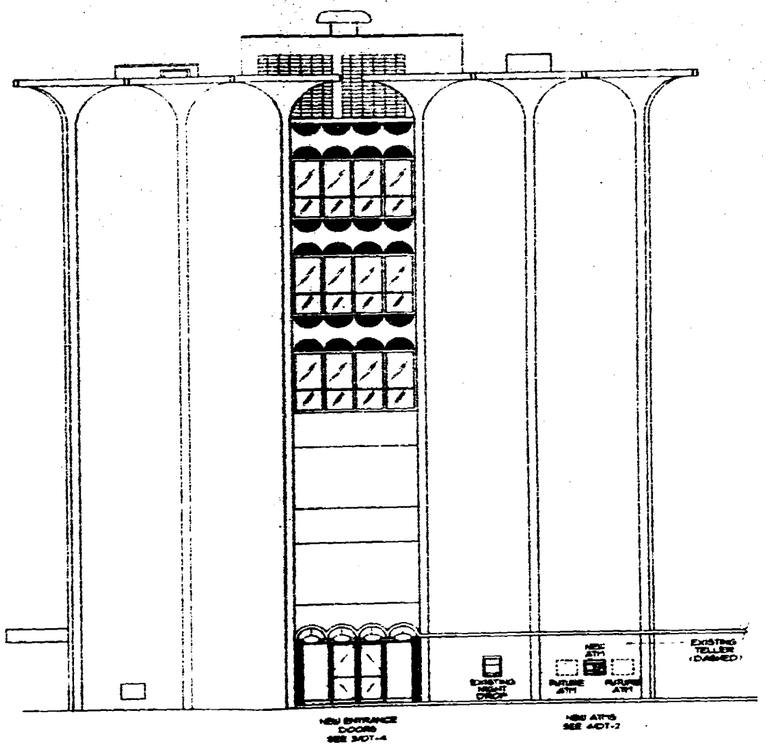
DRAWING TITLE
EXISTING ELEVATIONS

NORTH

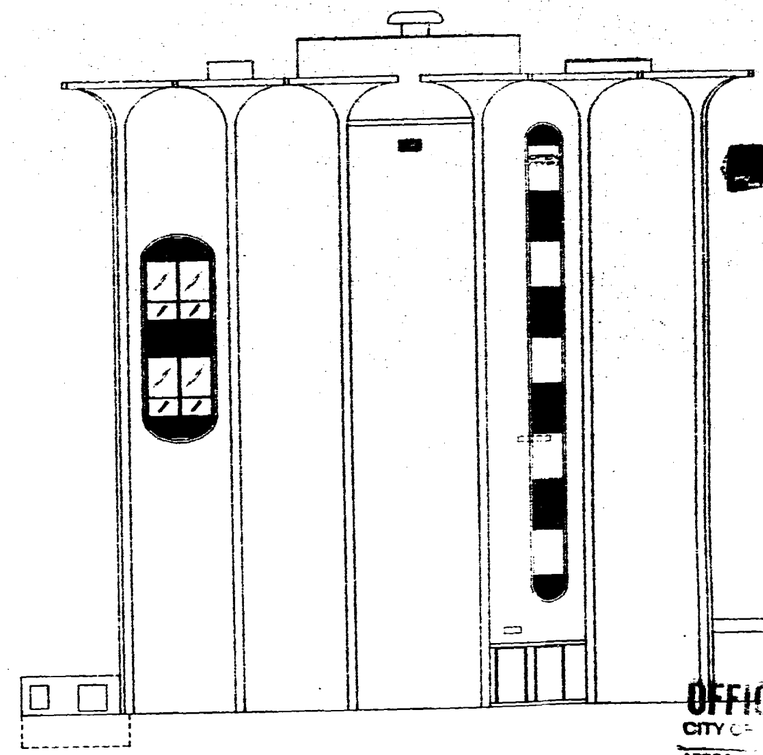
DATE 3/3/01
DRWN EL-1
SCALE 1/8"=1'-0"
JOB NO. 546-0039



SHEET NO.
EL-1



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



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

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING:
BUILDING:
ZONING:
DRAINAGE:
CONCURRENCY:
PLUMBING:
ELECTRICAL:
MECHANICAL:
FIRE PREVENTION:
ENGINEERING:
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY:
ELEVATOR:

THE CONTRACTOR SHALL VERIFY AND CONFIRM IN WRITING ALL ELEVATIONS AND DIMENSIONS OF EXISTING PARTS, COPIES OF THE OFFICIAL SURVEY AND AVAILABLE SITE PLANNING.

CONTRACTOR AND SUBCONTRACTORS SHALL EXAMINE AND FAMILIARIZE THEMSELVES WITH ALL OTHER PARTS TO ASSURE THE HARMONIOUS FITTING, BEARING, AND FUNCTION, PRIOR TO CONSTRUCTION OF ALL WORK.

MILLER SAVARESE ASSOCIATES
ARCHITECTS · PLANNERS
100 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10013
(212) 219-7000
FAX (212) 219-7010
E-MAIL: mail@millersavarese.com

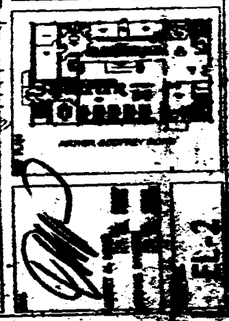
REVISIONS

MSA 04

PROJECT: HSBC
301 ARTHUR GODFREY ROAD
MIAMI BEACH, FLORIDA

DRAWING TITLE: EXISTING ELEVATIONS

DATE: 3/3/01
SCALE: 1/8"=1'-0"
DRAWN: B.J.
JOB NO.: 344-0000



EL-2

06

30102320

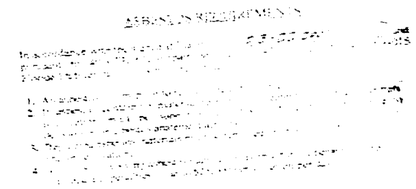
301 Arthur Godfrey Rd.

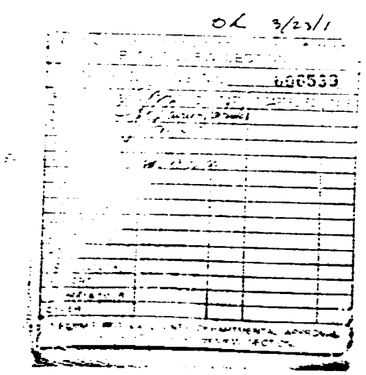
[redacted]

OFFICE COPY

CITY OF MIAMI BEACH

APPL... SUBMIT BY ...NS:





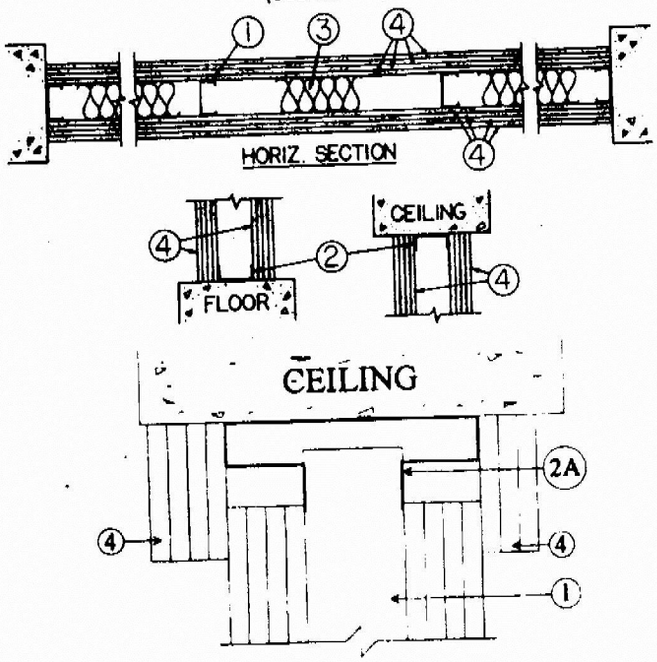
FIRE RESISTANCE RATINGS - ANSI/UL263 (BXUV)—*Continued*

in. O.C. vertically. Fourth layer vertically installed wallboard attached with screws spaced 12 in. O.C. vertically. Fourth layer horizontal board end shall be centered over and secured to the stud with screws spaced 1/2 in. from end joint and 12 in. O.C. vertically. Board end joints shall be staggered. At board side joints all screws shall be located 1/2 in. from the longitudinal joints. Horizontal applied fourth layer also secured to the second and third layers with 1-1/2 in. long, Type G, self-tapping steel screws located midway between studs and 1 in. from the longitudinal joint. Joints in each layer of wallboard to be staggered from the joints in the adjacent layer and on opposite sides of studs.

Celotex Corp., The—Type FRP.

*Bearing the UL Classification Marking

Design No. U463
Nonbearing Wall Rating—3 or 4 HR
(See Item 4)



1. **Studs** - Channel-shaped, 1-5/8 in. wide by 1 1/4 in. deep, with 5/16 in. folded back return flange legs. Fabricated from No. 25 MSG galv steel. Stud spacing 16 or 24 in. O.C. Studs to be cut 1 in. less than assembly height.
2. **Floor and Ceiling Runners** - Channel-shaped runners, 1-5/8 in. wide by 1-1/4 in. deep, fabricated from No. 25 MSG galv steel. Attached to floor and ceiling with fasteners spaced 24 in. O.C. max.

2A. As an alternate to Item 2 **Ceiling Runner***—25 MSG min galv steel width to accomodate stud, with 3 or 4 in. legs offset at midpoint 2 in. for the 4h rating and 1-1/2 for the 3h rating to accomodate wall cladding thickness. Attached to ceiling with fasteners spaced 24 in. O.C. The wall cladding shall overlap wallboard 1-1/4 in. min.

Fire Trek Corp.

3. **Batts and Blankets*** - (optional) - Nominal 1-1/2 in. thick, placed in interior of wall cavity. See Batts and Blankets (BZXX) category for names of manufacturers
4. **Wallboard, Gypsum*** —1/2 in. thick, 4 ft wide with square or tapered edges.

For 4 Hr Rating - Four layers of wallboard to be used. Inner layers to be applied vertically with joints centered over studs. Outer layer may be applied vertically or horizontally. First layer fastened to each stud with 1 in. long Type S, self-tapping steel screws. Second layer fastened to each stud through the first layer with 1-5/8 in. long, Type S, self-tapping steel screws. Third layer fastened to each stud through the first and second layers with 2-1/4 in. long, Type S, self-tapping steel screws. Fourth layer fastened to each stud through the first, second and third layers with 2-5/8 in. long, Type S, self-tapping steel screws. First layer screws shall be located 5 in. from top and bottom of wall with a maximum spacing of 48 in. O.C. vertically between top and bottom screws. Second and third layer screws shall be located 4 and 3 in., respectively, from the top and bottom of wall with the same vertical spacing as the first layer screws. Fourth layer screws shall be located 2 in. from top and bottom of wall and spaced 12 in. O.C. vertically. Each fourth layer horizontal board end shall be centered over and secured to the stud with screws spaced 1/2 in. from end joint and 12 in. O.C. vertically. Board end

FIRE RESISTANCE RATINGS - ANSI/UL263 (BXUV)—*Continued*

joints. Fourth layer also secured to the second and third layers with 1-1/2 in. long, Type G, self-tapping steel screws located midway between studs and 1 in. from the horizontal joint. Joints in each layer of wallboard to be staggered from the joints in the adjacent layer and on opposite sides of studs.

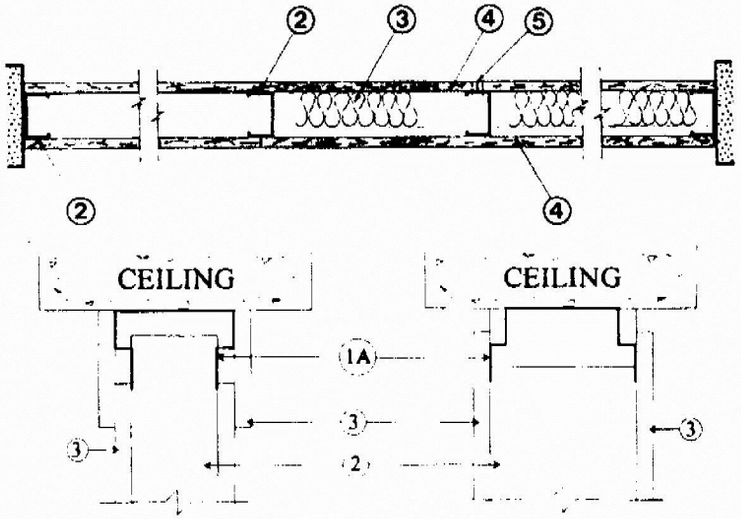
For 3 Hr Rating —Three layers of wallboard to be used. Inner layers to be applied vertically with joints centered over studs. Outer layer may be applied vertically or horizontally. First layer fastened to each stud with 1 in. long, Type S, self-tapping steel screws. Second layer fastened to each stud through the first layer with 1-5/8 in. long, Type S, self-tapping steel screws. Third layer fastened to each stud through the first and second layers with 2-1/4 in. long, Type S, self-tapping steel screws. First and second layer screws shall be locate 4 and 3 in. from top and bottom of wall, respectively, with a maximum spacing of 48 in. O.C. vertically. The third layer screws shall be located 2 in. from top and bottom of wall with a maximum spacing of 12 in. O.C. vertically. Each third layer horizontal board end shall be centered over and secured to the stud with Type S, self-tapping steel screws spaced 1/2 in. from end joint and 12 in. O.C. vertically. Third layer, also secured to the first and the second layers with 1-1/2 in. long, Type G, Self-tapping steel screws located midway between studs and 1 in. from the horizontal joint. Board end joints shall be staggered. Vertical board joints to be staggered from the joints in the adjacent layer and on opposite sides of studs.

Celotex Corp., The—Type FRP.

5. **Joint Tape and Compound (Not Shown)**—Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads. Paper tape, 2 in. wide, embedded in first layer of compound over all joints.

*Bearing the UL Classification Marking

Design No. U465
Nonbearing Wall Rating—1 HR.



1. **Floor and Ceiling Runners**—(not shown)—Channel shaped runners, 3-5/8 in. wide (min), 1-1/4 in. legs, formed from No. 25 MSG (min) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. As an alternate to Item 1 **Ceiling Runner***—25 MSG min galv steel width to accomodate stud, with 3 or 4 in. legs offset at midpoint 5/8 in. to accomodate wall cladding thickness. Attached to ceiling with fasteners spaced 24 in. OC. The wall cladding shall overlap wallboard 1-1/4 in. min.

Fire Trek Corp.

2. **Steel Studs**—Channel shaped, 3-5/8 in. wide (min), 1-1/4 in. legs, 3/8 in. folded back returns, formed from No. 25 MSG (min) galv steel spaced 24 in. OC max
3. **Batts and Blankets***—(Optional)—Mineral wool or glass fiber batts partially or completely filling stud cavity
   See Batts and Blankets (BZJZ) category for names of Classified companies.
4. **Wallboard, Gypsum***—5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S self-tapping steel screws spaced 8 in. OC along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (furring channels), wallboard is screw attached to furring channels with 1 in. long, type S steel screws spaced 12 in. OC

Boral Gypsum Inc.—Type BG-C.
Canadian Gypsum Co., Ltd.—Types C, SCX, SHX, WRX.
Domtar Gypsum Inc.—Type 5 or C.
Eagle-Gypsum Products—Type EG-C.
Georgia-Pacific Corp., Gypsum Div.—Type GPIS 5 or GPIS
National Gypsum Co. Types FSK, FSK-C, FSW-C, FSW, FSW-C, FSW

FIRE RESISTANCE RATINGS – ANSI/UL263 (BXUV)—*Continued*

Republic Gypsum Co. – Type [illegible]
Standard Gypsum Corp. – Type [illegible]
Temple-Inland Forest Products Corp. – [illegible]
United States Gypsum Co. – Type [illegible] WRC or WRX.
Westroc Industries Ltd. – Type [illegible]

1A. **Wallboard, Gypsum*** (As an alternate to Item 1) [illegible] ck, 4 ft wide, installed as described in Item 1 with screw length increased [illegible]
United States Gypsum Co. – Type [illegible]

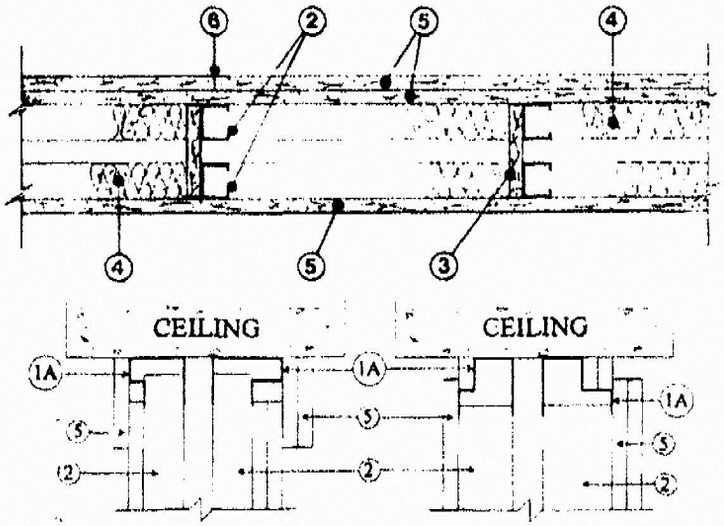
4b. **Wallboard, Gypsum*** (As an alternate to Items 4 and [illegible] in. thick installed as described in Item 4 with screws [illegible] required.
United States Gypsum Co. – Weatherboard.

5. **Joint Tape and Compound**—Veneer plaster [illegible] applied in two coats to joints and screw heads; paper tape [illegible] wide, embedded in first coat of compound covering joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer base and joints reinforced.

6. **Furring Channel**—(Optional) Not shown; formed 25 MSG galv steel, [illegible] vertically, max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S pan head steel screws.

*Bearing the UL Classification Marking

Design No. U466
Nonbearing Wall Rating—1 HR.



1. **Floor and Ceiling Runner**—(not shown)—Channel-shaped runners, 1-5/8 in. wide by 1 in. deep fabricated from 25 MSG galv steel. Attached to floor and ceiling with fasteners, 24 in. OC, max.

1A. As an alternate to Item 1 Ceiling Runner*—24 MSG hot galv steel width to accommodate stud with 2 or 4 in. legs offset on one side at midpoint 1-5/8 in. on the web layer side and 1-1/4 in. on the face layer side to accommodate wall covering thickness. Attached to ceiling with fasteners spaced 24 in. OC. The wall shading shall overlap wallboard 1-1/4 in. min.
Fire Trak Corp.

2. **Studs**—Channel-shaped, 1-5/8 in. wide by 1-1/4 in. deep with 1/4 in. folded back return flange. Fabricated from 25 MSG galv steel. Max stud spacing 24 in. OC.

3. **Bracing**—Two Types—Cut from steel runners or studs, same width. Fastened with two 1/2 in. long, self drilling, self tapping screws in each stud, space bracing max 48 in. OC. As an alternate, bracing cut from gypsum wallboard, length equal to stud cavity width and 6 in. wide. Fasten with two 1 in. long, self drilling self tapping screws. [illegible] of Item 5A is used) in each stud space bracing max 48 in. OC.

4. **Batts and Blankets***—(Optional) Mineral wool or glass fiber [illegible] completely filling stud cavity. See Batts and Blankets (BJCX) category for [illegible]

5. **Wallboard, Gypsum***—1-5/8 in. thick. Screw attached [illegible] Type S steel screws spaced 12 in. OC. Wallboard on double layer side [illegible] attached with 1 in. long, Type S steel screws spaced 24 in. OC. Face layer attached with 1-5/8 in. long, Type S steel screws spaced 12 in. OC. Wallboard [illegible] horizontal, with or without offset. Butt joints located over stud.
Boral Gypsum Inc. – Type [illegible]
Canadian Gypsum Co., Ltd. – Type [illegible] WRX, WCX
Domtar Gypsum Inc. – Type [illegible]
Eagle Gypsum Products – Type [illegible]
Georgia-Pacific Corp., Gypsum Div. – Type [illegible]
National Gypsum Co. – Type [illegible]

FIRE RESISTANCE RATINGS – ANSI/UL263 (BXUV)—*Continued*

Pabco Gypsum Co. – Type [illegible]
Republic Gypsum Co. – Type [illegible]
Standard Gypsum Corp. – Type [illegible]
Temple-Inland Forest Products Corp. – Type [illegible]
United States Gypsum Co. – Type [illegible] SHX, WRC or WRX.

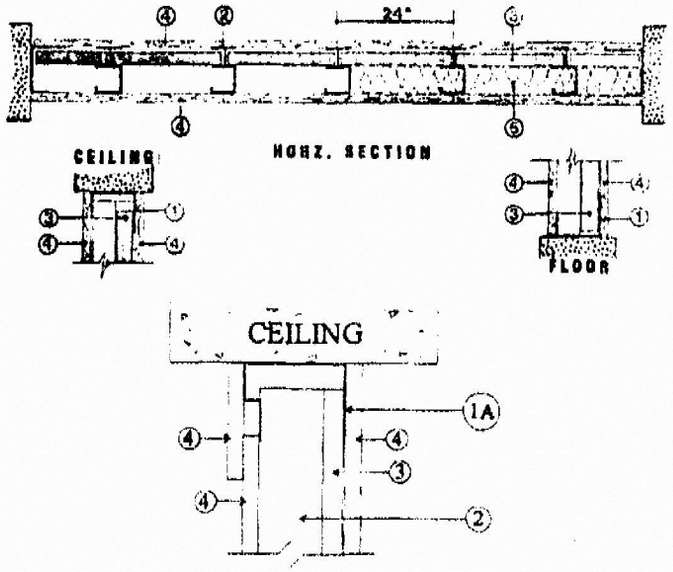
5a. **Wallboard, Gypsum*** (As an alternate to Items 3 and 4) [illegible] installed as described in Item 5 with screw length increased [illegible] 1/4 in. to cover layer.
United States Gypsum Co. – Type [illegible]

6. **Joint Tape and Compound**—Veneer plaster [illegible] applied in two coats to joints and screw heads; paper tape [illegible] wide, embedded in first coat of compound covering joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer base and joints reinforced.

7. **Acoustical Sealant**—(Optional) [illegible] bead of acoustical sealant applied around the partition perimeter for sound control sealing.
United States Gypsum Co.

See Adhesives (BJLZ) Category.
*Bearing the UL Classification Marking

Design No. U467
Nonbearing Wall Rating—2 HR.



1. **Floor and Ceiling Runners**—"J" shaped, 2-1/2 in. wide with unequal legs of 1 in. and 2 in., fabricated from 24 MSG galv steel. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. O.C.

1A. As an alternate to Item 1 Ceiling Runner*—24 MSG hot galv steel width to accommodate stud, with 2 or 4 in. legs offset one side at midpoint to allow accommodate wall covering thickness. Attached to ceiling with fasteners spaced 24 in. OC. The wall covering shall overlap wallboard 1-1/4 in. min.
Fire Trak Corp.

2. **Steel Studs**—C-H shaped studs, 2-1/2 in. wide by 1-1/2 in. deep fabricated from 25 MSG galv steel spaced 24 in. OC. Vertically restrained with [illegible] studs to be cut 3/8 in. less than floor-to-ceiling height.

3. **Wallboard, Gypsum***—1 in. thick [illegible] nominal 24 in. widths. Vertical joints staggered [illegible] attached to [illegible] with [illegible] self drilling, self tapping bugle head steel screws [illegible] in. OC.
Canadian Gypsum Co. – Type [illegible]X
United States Gypsum Co. – Type [illegible]

4. **Wallboard, Gypsum***—[illegible] or 5/8 in. 4 ft wide applied vertically and attached to studs and runners with 1 in. long Type S [illegible] screws spaced [illegible] in. OC.
Boral Gypsum Inc. – Type [illegible]
Canadian Gypsum Co. – Type [illegible] C, 5/8 in. Type C, WRC, SCX, SHX, WRX.
Domtar Gypsum Inc. – Type [illegible]
Eagle Gypsum Products – Type [illegible]
Georgia-Pacific Corp., Gypsum Div. – Type DGG, GPFS-6 or GPFS-C.
National Gypsum Co. – Type [illegible]
Pabco Gypsum Co. – Type [illegible]
Republic Gypsum Co. – Type [illegible]
Standard Gypsum Corp. – Type [illegible]

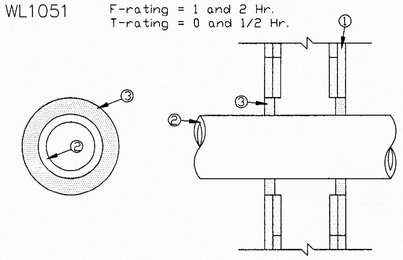
1 or 2 Hour Fire Rated Through Penetration Firestop for Single Metal Pipe through Gypsum walls using TREMstop WBM.

TREMCO®
3735 Green Rd.
Beachwood, OH, 44122

Drawing not to scale

WL1051

F-rating = 1 and 2 Hr.
T-rating = 0 and 1/2 Hr.



① 1 or 2 - hour fire rated gypsum wallboard/stud assembly
② A) Steel Pipe - 6" diam.(or smaller) Sch. 40 (or heavier) steel
B) Conduit - 4" diam.(or smaller) EMT or rigid steel
③ TREMstopWBM - fill Max. 3/4" annulus at a thickness of 1-1/4 " (2 Hr. F-rating) or 3/4" (1 Hr. F-rating).

Project:
Location:
Installer:
Signature:

The products used in the above assembly have been tested in accordance with the following:
• ASTM E814 (UL1479) Standard Test Method for through Penetration Firestopping
• ASTM E119 UL 263: Standard for Fire Tests of Building Construction and Materials

Date 6/29/93 | Drawing TR-1051
Approved by C. Tuzzeo

The above described assembly and products have been tested and are based on both past and anticipated performance criteria. Tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. Tremco shall only be responsible for replacing material found to be defective.

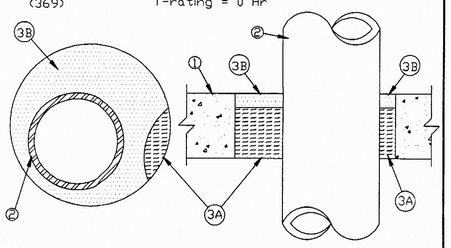
2 Hour Fire Rated Through Penetration Firestop for Single Metal Pipe through Concrete floors or walls using FYRE-SIL

TREMCO®
3735 Green Rd.
Beachwood, OH, 44122

Drawing not to scale

CAJ1064
(369)

F-rating = 2 Hr
T-rating = 0 Hr



① Floor or Wall assembly = 4.5" thick concrete
② Copper Tubing - 4" (or smaller) Type L (or heavier) copper. Annular space is Min 1/2" to max 2-1/8"
③ A) Packing material - min 3-1/2" thickness (min 6 pcf) mineral wool insulation
B) Min 1/2" thickness FYRE-SIL installed within annulus

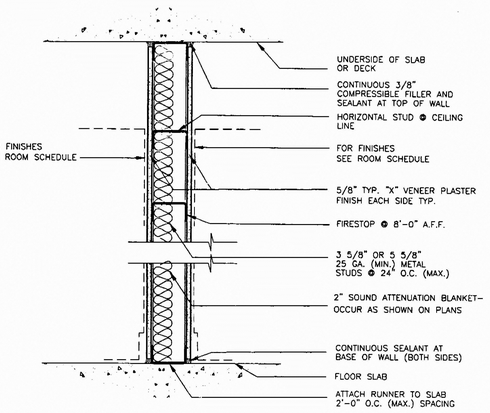
NOTE: For walls apply FYRE-SIL to both surfaces of wall.

Project:
Location:
Installer:
Signature:

The products used in the above assembly have been tested in accordance with the following:
• ASTM E814 (UL1479) Standard Test Method for through Penetration Firestopping
• ASTM E119 UL 263: Standard for Fire Tests of Building Construction and Materials

Date 2/26/94 | Drawing TR-1064
Approved by C. Tuzzeo

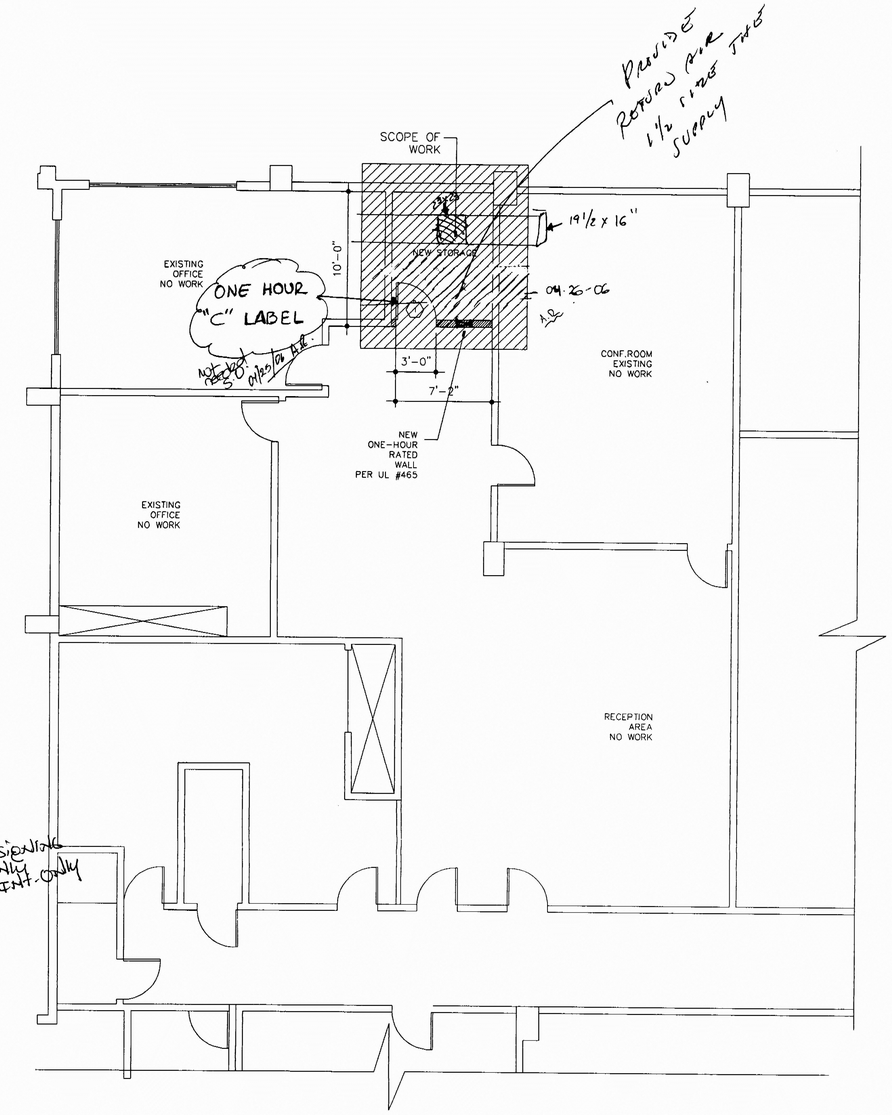
The above described assembly and products have been tested and are based on both past and anticipated performance criteria. Tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. Tremco shall only be responsible for replacing material found to be defective.



ONE HOUR RATED UL# U465

TYP. 4"/6" FIRE RATED PARTITION

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



ARCHITECTURAL FLOOR PLAN

SCALE: 3/16"=1'-0"

OFFICE COPY
CITY OF MIAMI BEACH
APPROVED FOR PERMIT BY
THE FOLLOWING: APR 14 2006

BUILDING:
ZONING: 4/19/06 & RESIDENTIAL ONLY INT. ONLY
DRB/HPB:
CONCURRENCY:
PLUMBING: 4/14/06
ELECTRICAL: 4/14/06
MECHANICAL:
FIRE PREVENTION: 4/14/06
ENGINEERING: 4/14/06
PUBLIC WORKS:
STRUCTURAL:
ACCESSIBILITY: 4/14/06
ELEVATOR:

As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE

THIS PERMIT IS ISSUED FOR NON-STRUCTURAL REPAIRS ONLY.

F-Rating = 1 and 2 Hr.
T-Rating = 1, 1-1/2, and 2 Hr.

WL 2014

1 and 2 Hour Fire Rated Through Penetration Firestop for Single Plastic Pipe through Gypsum Walls

Drawing not to scale

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 x 4 in. lumber spaced 16 in. o.c. Steel studs to be min. 2-1/2" in. wide and spaced max. 24 in. o.c.

B-Wallboard, Gypsum _ Two layers of nom. 5/8 in. thick gypsum wallboard, unless specified in the individual Wall and Partition Design Max. diam. of opening is 8 in.

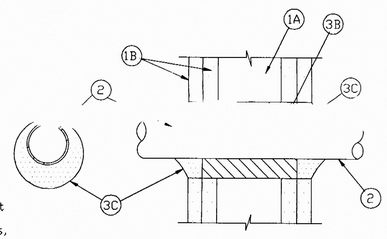
2 NONMETALLIC PIPE_ Nom. 4 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) or SDR17 chlorinated polyvinyl chloride (CPVC) pipe for use in closed (process or supply) piping systems. Pipe to be rigidly supported on both sides of wall assembly.

3 FIRESTOP SYSTEM_ The hourly F and T Rating for the firestop systems are dependent upon the size of pipe, annular space, min. forming and fill material type as described in the table below. When the annular space in the table shows a range of distances, the penetrating item may be installed either concentrically or eccentrically within the firestop system. The firestop systems shall consist of the following:

A-STEEL SLEEVE or WIRE MESH_ No. 8 steel wire mesh having a min. 1 in lap along the longitudinal seam. Length of sleeve to be 1/4 to 1/2 in. less than overall thickness of wall such that, when installed in circular opening, the ends of the sleeve are recessed 1/8 to 1/4 in. from each surface of the wall. Sleeve may also be formed of minimum 0.034 in. thick (20 MSG) galv sheet metal.

B-PACKING MATERIAL_ Mineral wool batt insulation firmly packed into opening as a permanent form at the thickness shown in the table below. Packing material to be recessed from both surfaces of the wall as required to accomodate the required thickness of fill material. As an option to the above, backer rod and/or foamed plastic backer material may be used.

C-FILL, VOID or CAVITY MATERIAL *_ Caulk _ Applied within the annulus, flush with both surfaces of wall as shown in the table below.



Max Pipe [in.]	Annular [in.]	Depth [in.]	Type [a]	Mtl. Depth, [in.]	F Rc. [h]	T Rating, [h]
2	1/2	1-1/4	A	1-1/4	2	2
4	3/4 to 3-1/2	1-1/4	B	1-1/4	2	1-1/2
2	1-3/8	3/4	B	3/4	1	1

[a] A= Metalines, Inc. - Metacaulk 835
Neer Mfg. Co. Inc. - FP-35, -35.2, -35.5
Rectorseal Corp - Metacaulk 835

B= Metalines, Inc. - Metacaulk 950
Neer Mfg. Co. Inc. - FP-50, -50.5, -50.5
Rectorseal Corp - Metacaulk 950

* Bearing the UL Classification Marking

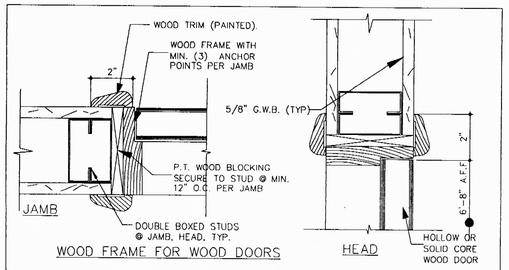
The above described assembly has been tested and is based on both past and anticipated performance criteria.

TYPICAL FIRE PENETRATION DETAILS

SCALE: N.T.S.

GENERAL NOTES:

1. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION OR INSTALLATION OF ANY ITEM.
2. ALL NOTES, SECTIONS, AND DETAILS DESCRIBING COMPONENTS AND ASSEMBLIES ARE TO BE INTERPRETED AS TO BE SIMILAR AND APPLICABLE TO ALL SIMILAR CONDITIONS AND/OR COMPONENTS, AND THE NOTE, SECTION, ELEVATION, AND/OR DETAIL SHALL APPLY AS IF IT IS CALLED OUT SEPARATELY AT EACH LOCATION.



TYP. WOOD DOOR FRAME

SCALE: NTS

DOOR SCHEDULE

MARK	TYPE	ELEV.	SIZE #	SIZE WIDE	SIZE HIGH	SIZE THICK	DOOR MAT.	DOOR FIN.	FRAME DTL.	FRAME MAT.	FRAME FIN.	THRESHOLD DTL.	THRESHOLD MAT.	THRESHOLD FIN.	STORE FRONT TYPE	PRODUCT ACCEPTANCE NUMBER	EXP. DATE	PRODUCT APPROVAL DES. PRES.	DESIGN PRESSURE REQUIRED	MAX. TESTED SIZE	ROUGH OP'G WIDE	ROUGH OP'G HIGH	SHUTT. REQ. Y/N	EGR. REQ. Y/N	HWR.	LABEL	REMARKS
1	SWING	4	2	3'-0"	6'-8"	1-3/4"	HCWD	PAINT	X	WD	PAINT	X	WD	PAINT	–	NA	--	--	--	--	--	--	N	N	1	E	SEE MANUF. SPECS.

REMARKS

REVISIONS

DATE	NO	REVISION	DATE	NO	REVISION

PROJECT NAME:
STORAGE FOR ARTHUR GODFREY
OFFICE #550

SHEET TITLE:
FLOOR PLAN & PARTITON DETAIL

JOB FILE NUMBER:
CADD FILE NUMBER:
DRAWN BY: | DATE: | CHK'D BY:
DESIGN
PERMIT
BIDDING

DRAWING No.: A.1
SHEET 1

STATE OF FLORIDA
SEAL

MIAMIBEACH

BUILDING DEPARTMENT
1700 Convention Center Drive, 2nd Floor
Miami Beach, Florida 33139

Phone: (305) 673-7610
Fax: (305) 673-7857

NEW CONSTRUCTION & ALTERATIONS AND REPAIRS

ARCHITECTURAL/ENGINEERING AFFIDAVIT FOR JOB VALUE AND TOTAL GROSS SQUARE FOOTAGE

Date: 6/3/2008

Permit Number:

Project Description: INTERIOR REMODELING: ALTERATION LEVEL 2

Owner: CABI 301 COMMERCIAL, LLLP / CITY NATIONAL BANK OF FLORIDA

Architect and/or Engineering Firm: DYNAMICA GROUP, LLC #AA26001418

Name of Architect or Engineer of Record: WILLIAM LAI, AIA #FL AR 93531

Address of Architect / Engineering Firm: 1101 BRICKELL AVE, SUITE 1401 MIAMI, FL 33131

Contact Number: 305.376.8889

Part One: Architect / Engineer Affidavit: To be Submitted Prior to Permit Issuance.

I WILLIAM LAI as the **Architect / Engineer of Record** for the project covered under the permit listed above, certify the following:

Total Gross Floor Area of New Construction:
Total Gross Floor Area of Alteration / Repair:
☐ **Single Family Homes, Duplexes, and Areas within Residential Condo unit.**
☑ **Multi-Family, Commercial, and Industrial** 1,579 SF

Total Estimated Construction Cost * for New Construction:

Total Estimated Construction Cost* for Alteration / Repair: $36,000.00

Definitions:
Total Gross Floor Area: The floor area within the inside perimeter of the exterior walls of the building under consideration, exclusive of vent shafts and courts, without deduction for corridors, stairways, closets, the thickness of interior walls, columns or other features. The floor area of a building or portion thereof not provided with surrounding exterior walls shall be the usable area under the horizontal projection of the roof or floor above. The gross floor area shall not include shafts with no openings or interior courts.

Signature of Architect/Engineer

WILLIAM LAI, AIA
FL AR93531

STATE OF FLORIDA **COUNTY OF DADE**

Sworn to and subscribed 3 day of June, 2008 by: William Lai

[X] Personally known to me: [ ] or Procured Identification

Type of Identification:

[ ] DID TAKE OATH [ ] DID NOT TAKE OATH

Signature of Notary Public

NOTARY PUBLIC STATE OF FLORIDA
PAOLA C VILLANUEVA
MY COMMISSION # DD542526
EXPIRES: Apr. 19, 2010
(407) 398-0153 Florida Notary Service.com

NOTARY PUBLIC STATE OF FLORIDA
PAOLA C VILLANUEVA
MY COMMISSION # DD542526
EXPIRES: Apr. 19, 2010
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***Note:** It is the intention of the City of Miami Beach to use the Architect's Estimate of Construction Cost as a "Good Faith" estimate for the purpose of calculating the initial permit fee. The City agrees to hold the Architect and/or Owner harmless from any liability, professional or otherwise due to any difference in the Architect's estimate of construction cost and the construction cost as submitted by the Owner and/or Contractor at the time of Completion. The Owner will be* responsible to pay the City of Miami Beach any difference between the permit fee based on the construction cost and/or square footage submitted with the original permit application and the permit fee based on the final construction cost including general conditions and/or square footage as certified by the Owner, Architect and Contractor on the most current "AIA Document G702" Application for Payment approved at the time the application for the Certificate of Occupancy (CO) or Certificate of Completion (CC) is submitted to the Building Department.

Part Two: Owner Affidavit: To be Submitted Prior to Permit Issuance.

I City National Bank of Florida am the Owner of the property undergoing an improvement as described in the permit above. I understand that at the time the Contractor submits the application for a Certificate of Occupancy (CO) or Certificate of Completion (CC), I will be required to submit to the City of Miami Beach Building Department verification of construction cost. The City will accept the most current "AIA Document G702" Application for Payment approved at the time the application for the Certificate of Occupancy (CO) or Certificate of Completion (CC) is submitted to the Building Department as verification of construction cost.

I understand that as the Owner of said property and improvement, I am responsible to pay the City of Miami Beach any difference between the permit fee based on the construction cost and/ or square footage submitted with the original permit application and the permit fee based on the final construction cost including general conditions and/or final square footage as certified by the Owner, Architect and Contractor on the most current "AIA Document G702" Application for Payment approved at the time the application for the Certificate of Occupancy (CO) or Certificate of Completion (CC) is submitted to the Building Department.

_____

Signature of Owner

STATE OF FLORIDA **COUNTY OF DADE**

Sworn to and subscribed 3rd day of June

2008, by: Rafael Harari

[✓] Personally known to me: [ ] or Procured Identification

Type of Identification: _____

[ ] DID TAKE OATH [ ] DID NOT TAKE OATH

Evelyn Ferreira

Signature of Notary Public

EVELYN FERREIRA
MY COMMISSION # DD620390
EXPIRES December 06, 2010
(407)398-0153 FloridaNotaryService.com