

1. ALL WIRING TO RUN EXPOSED, CONCEALED IN MASONRY WALLS OR CONCRETE SLABS, BENEATH SLABS OF GRADE OR RUN UNDERGROUND SHALL BE IN RIGID CONDUIT. STEEL LUGS SHALL BE USED TO EXPOSE TO THE SURFACE OF THE SLAB. IN ALL OTHER SITUATIONS, GALVANIZED STEEL CONDUIT, ELECTRICAL METALLIC TUBING MAY BE CONCEALED IN INTERIOR HOLLOW WALLS AND ABOVE SUSPENDED CEILING.
2. ALL WIRES SHALL BE COPPER UNLESS SPECIFICALLY OTHERWISE INDICATED ON THE PLANS. ALL WIRE SHALL BE TYPE THHN OR THWN-2.
3. BOXES SHALL BE PROVIDED FOR ALL OUTLETS. IN GENERAL, THESE BOXES SHALL BE STAMPED OR PRESSED STEEL METAL. BOXES IN HAZARDOUS AREAS SHALL BE APPROVED FOR THE CONDITIONS INDICATED.
4. ALL CONDUIT SHALL BE INSTALLED IN ACCORDANCE TO THE BUILDING WITH PIPE SCHEDULE FOR OTHER APPROVED USES.
5. MANUFACTURER'S NAMES AND CATALOG NUMBERS ARE USED TO DEFINE THE TYPE AND QUALITY OF EQUIPMENT AND MATERIAL. OTHER ITEMS OF OTHER MANUFACTURERS MAY BE USED AT THE DISCRETION OF THE ENGINEER.
6. ALL WORK SHALL BE DONE IN FULL ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE--2002
7. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER.
8. AS SOON AS PRACTICABLE, AND WITHIN THIRTY DAYS AFTER THE AWARD OF THE CONTRACT, AND BEFORE ANY MATERIALS OR EQUIPMENT ARE RELEASED FOR THE CONTRACTOR TO INSTALL, THE CONTRACTOR SHALL FURNISH A COMPLETE LIST OF MATERIALS AND EQUIPMENT THAT HE PROPOSES TO FURNISH AND THE MANUFACTURER'S NAME, TYPE, AND CATALOG NUMBER. CATALOG NUMBERS, ETC. SEVEN COPIES SHALL BE FURNISHED.
9. WHERE A CONDUIT PASSES THROUGH A BUILDING EXPANSION JOINT OR A STRUCTURAL JOINT EXCEPT THROUGH AN APPROVED EXPANSION FITTING WITH BONDING JUMPER SHALL BE INSTALLED.
10. WHERE FEASIBLE EQUIPMENT IS SPECIFIED, DELIVER TO THE OWNERS' REPRESENTATIVE SPARE PARTS FOR EACH TYPE OF EACH SIZE USED ON THE JOB WITH A MINIMUM OF 3 TYPES OF EACH SIZE.
11. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING HIS BID IN ORDER THAT HE MAY BECOME AWARE OF EXISTING CONDITIONS. NO ALLOWANCES WILL BE MADE FOR ANY EXISTING CONDITION OF WHICH THE CONTRACTOR WAS NOT AWARE.
12. CIRCUIT NUMBERS SHOWN ARE FOR IDENTIFICATION ONLY. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO COMPLETE PHASE PANEL BOARD (BALANCE) LOAD.
13. SEE EQUIPMENT LAYOUT PLANS FOR EXACT LOCATION OF ALL MOTORS AND EQUIPMENT.
14. ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT NOT FURNISHED UNDER THIS SECTION BEFORE RUNNING-IN.
15. SEE EQUIPMENT LAYOUT PLANS FOR LOCATION OF BUILDING EQUIPMENT BEFORE RUNNING-IN.
16. ELECTRICAL CONTRACTOR SHALL VERIFY LOCATION OF ALL EQUIPMENT'S REQUIRING ELECTRICAL CONNECTION BEFORE RUNNING-IN.
17. CONDUIT RUNS ARE SHOWN SCHEMATICALLY. BUILDING CONDITIONS WILL DETERMINE THE ACTUAL CONDUIT RUN.
18. ELECTRICAL CONTRACTOR SHALL VERIFY WITH MANUFACTURER THE LOCATION OF CONNECTION BOX OF EACH EQUIPMENT BEFORE RUNNING-IN.
19. WHERE WIRE SIZES ARE INDICATED ON THE PLANS FOR ANY INDIVIDUAL CIRCUITS, THE INDICATED WIRE SIZE SHALL APPLY TO THE COMPLETE CIRCUIT UNLESS OTHERWISE NOTED.
20. ALL MOTORS STARTERS FOR FANS, PUMPS, BOILERS, AIR CONDITIONING, ETC., SHALL BE EQUIPPED WITH OVERLOAD PROTECTION IN EACH PHASE LEG. STARTERS FOR MOTORS OF 1/2 HP AND UNDER SHALL BE INSTALLED ACROSS THE LINE TYPE, WHERE APPLICABLE STARTERS FOR LARGER MOTORS SHALL BE REDUCED VOLTAGE TYPE (PRIMARY RESISTOR, ETC.).
21. ALL EQUIPMENT FURNISHED WITH CORD, THE CORD SHALL BE SHORTENED AND INSTALLED WITH CORRECT OUTLET PLUG, JUCKS, ETC., AS REQUIRED FOR THE INSTALLATION. THE CORD SHALL BE INSTALLED IN PROTECTIBLE RECESSES SHALL BE FURNISHED TO MATCH THE ELECTRICAL EQUIPMENT SERVED BY.
22. ALL ELECTRICAL SERVICE EQUIPMENT SHALL BE READILY ACCESSIBLE.
23. ALL ELECTRICAL WORK SHALL BE DONE WITHIN THE ROOM AND FROM PHYSICAL DAMAGE. ALSO, CLEAN WORKING SPACE SHALL BE PROVIDED AROUND EQUIPMENT AS PER NEC 110-26.
24. JUNCTION AND PULLBOXES SHALL BE SECURELY MOUNTED TO THE BUILDING STRUCTURE WITH SUPPORTS, FACILITIES INDEPENDENT OF THE CONDUITS ENTERING OR LEAVING THE BOXES, BRACKETES, RODS, HANGERS, BOLTS OF OTHER SUITABLE SUPPORT METHOD.
25. JUNCTION AND PULLBOXES SHALL BE GALVANIZED CODE-GAUGE SHEET STEEL WITH SCREWED ON COVER, NEARLY 1/2" THICK AND SHAPE TO ACCOMMODATE WIRING WITHOUT CRUSHING OF THE CONDUITS.
26. ALL JUNCTION AND PULLBOXES SHALL BE ACCESSIBLE ALL THE TIME.
27. ALL RACEWAYS ROUTED, INSULATED CONDUCTORS SYSTEM SHALL BE COLOR CODED AS PER NEC STANDARDS.
28. PROVIDE J.B. AS REQUIRED BY FIELD CONDITIONS, EVEN IF NOT SHOWN

TYPE: **LOADCENTER, NEMA 1**

SERVICE: **3P, 4W, 5W**

VOLTAGE: **120/208 VOLTS**

MOUNTING: **FLUSH**

PANEL

(EXISTING)

4/01

MAIN BUS: **200A**

NEUTRAL: **200A**

MAIN: **M10**

A/C: **10000**

AMP	POLES	TOTAL VA	COND SIZE	WIRE SIZE	REMARKS	Q	Q	REMARKS	WIRE SIZE	COND SIZE	TOTAL VA	POLES	AMP
1	2	3	4	5	6	7	8	9	10	11	12	13	14
30	2	9500	3/4	3	SPACE (E)	1	2	SPACE (E)					
					INSTANT EWH	3	4	DRIVER / WASHIER	10	1/2	5000	2	30
					(N)	9	10	(N)					
20	1	900	1/2	12	RECEPTACLES (E)	7	8	LIGHTING (E/A)	12	1/2	666	1	20
20	1	720	1/2	12	RECEPTACLES (G)	8	9	LIGHTING (E/A)	12	1/2	631	1	20
20	1	720	1/2	12	RECEPTACLES (E/A)	11	12	SPACE					
30	1	600	1/2	12	PUMPING PUMP/IN (N)	13	14	SPACE					
30	2		1/2	10	CU (E)	5	6	RAU (E)	3	3/4	5575	2	40
					(N/L)	11	12						
20	1	350	1/2	12	REFRIGERATOR (N)	18	19	SIGN (E)	12	1/2	1300	1	20
					SPACE	23	24	SPACE					
					SPACE	25	26	SPACE					
						27	28						
						29	30						
						31	32						
						33	34						
						35	36						
						37	38						
						39	40						
						41	42						

CONNECTED LOAD: (SEE LOAD CALCULATION)

FEEDER: (SEE RISER)

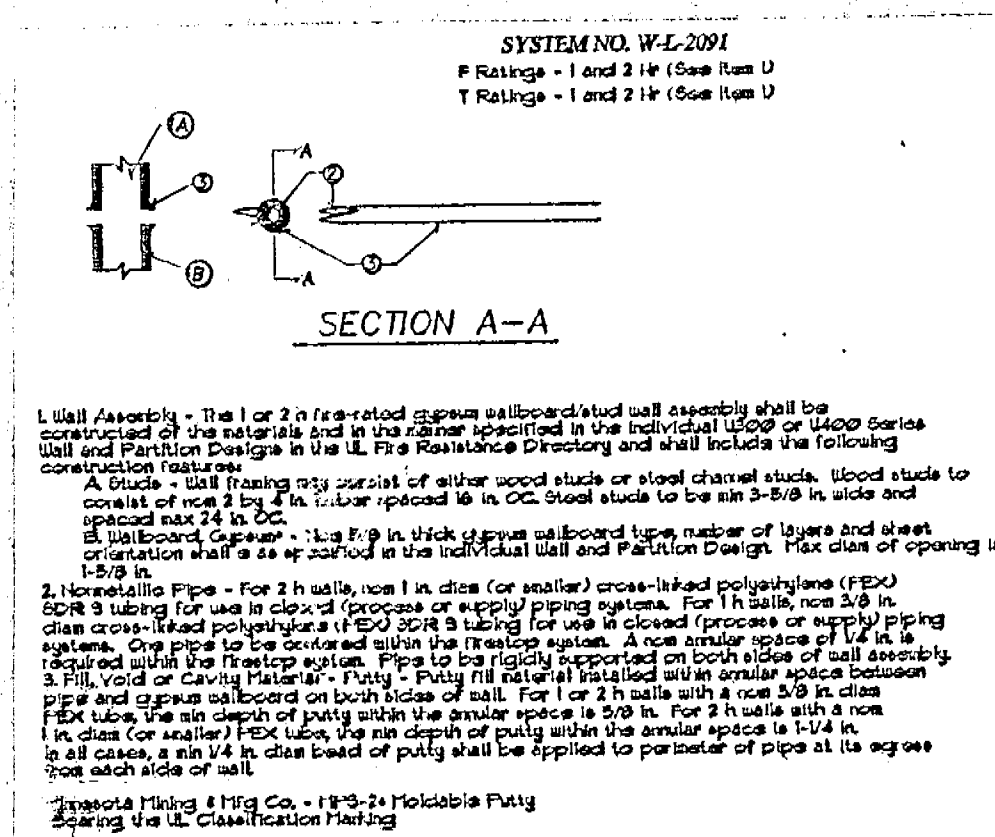
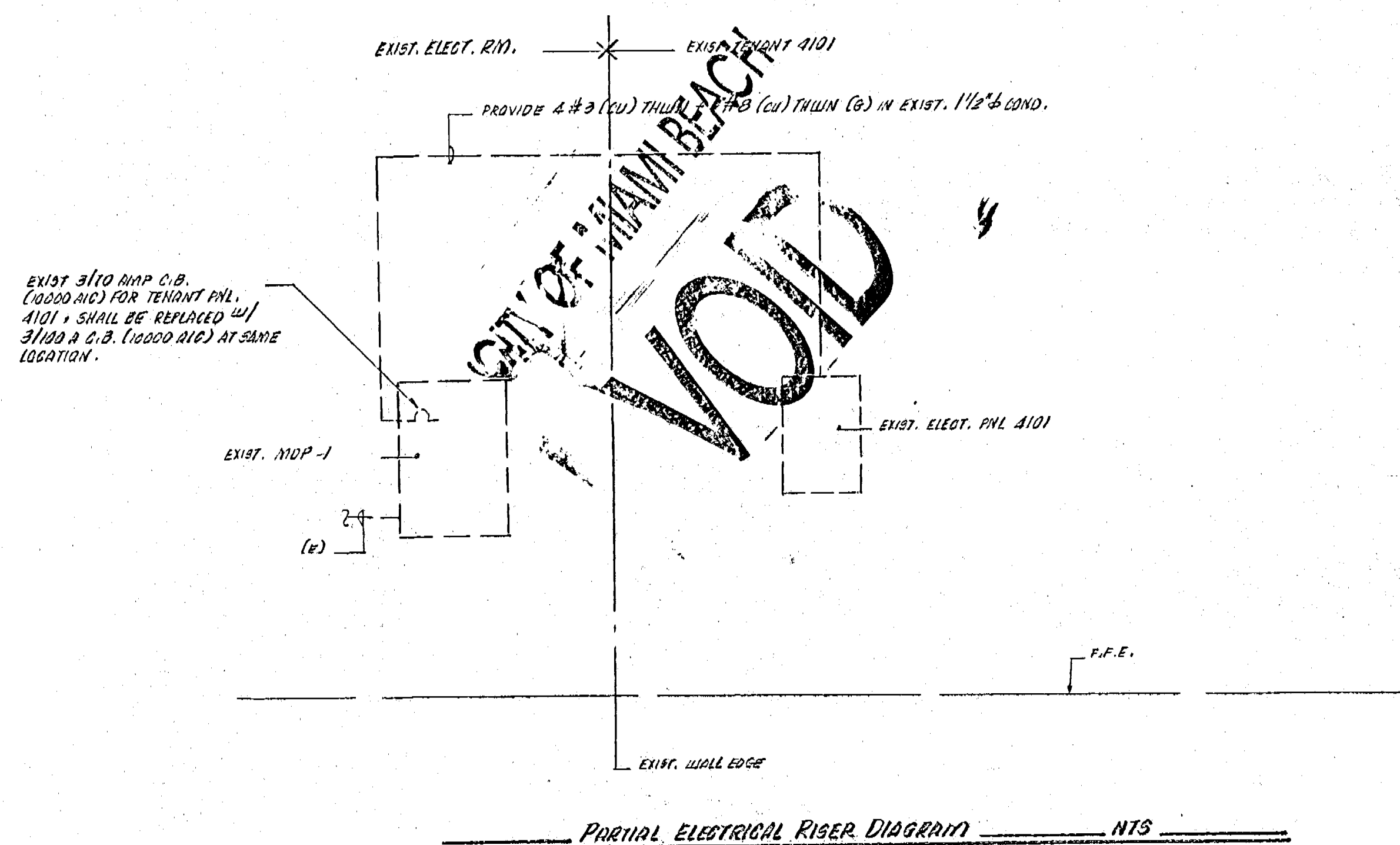
FED FROM: (SEE RISER)

NOTE: WE ACCEPT "MG" CABLE USE IN LIEU OF EMT CONDUIT.

ELECTRICAL LOAD CALCULATION (PNL 4101)

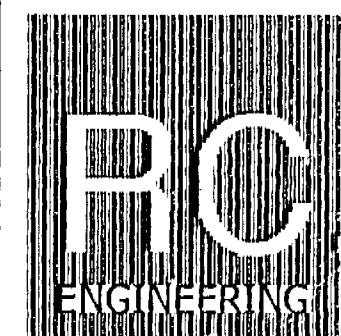
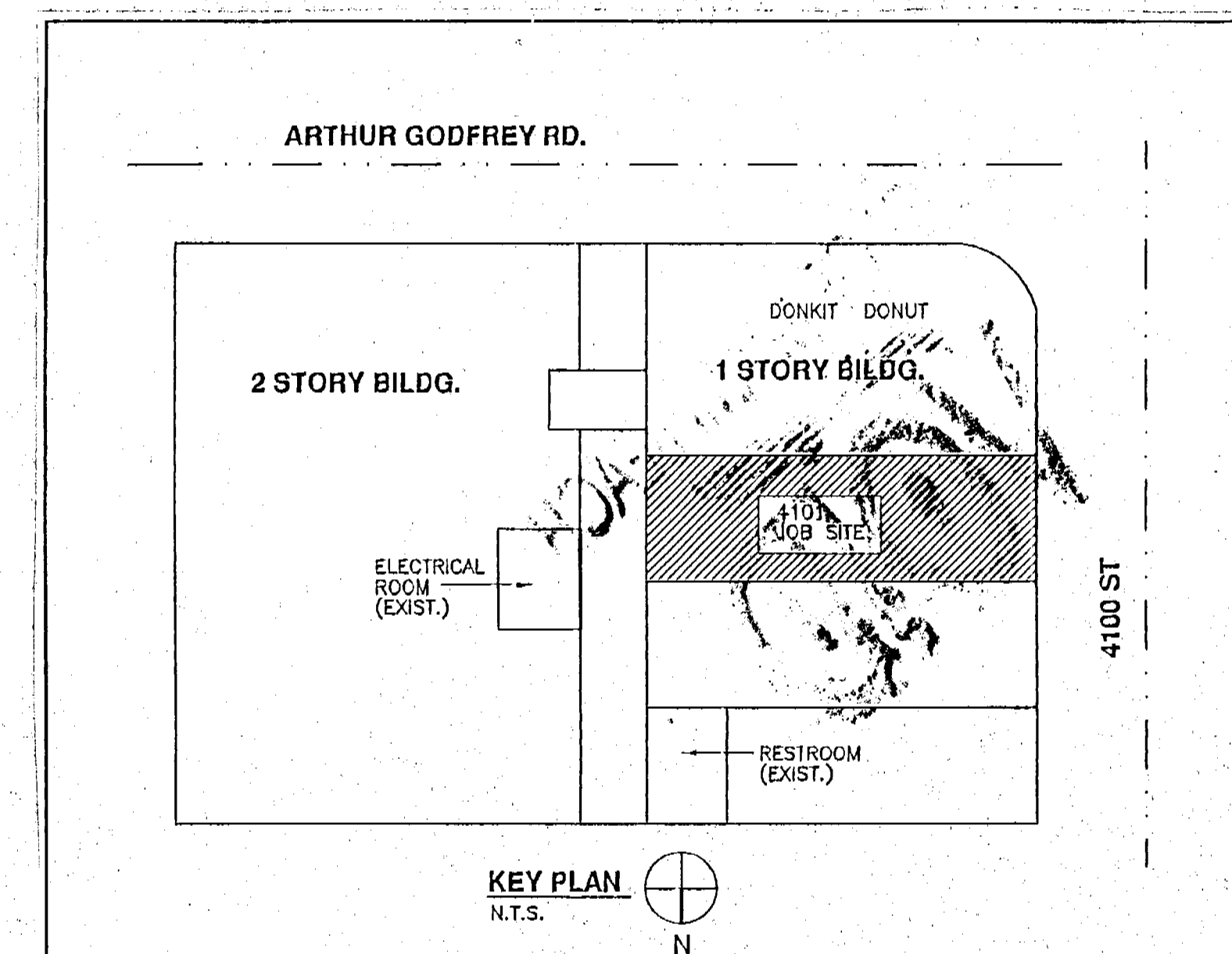
CONTINUOUS LOAD (LIGHTING)	2697 VA
25 % OF CONT. LOAD	674 VA
REMAINDER LOAD @ 80%	29865 VA
TOTAL DEMAND LOAD	27236 VA
AT 208/3/60	76 AMP

NOTE: EXIST. TO AMP (O.V.P.D.) IN MOP-1 AT ELEC. ROOM SHALL BE REPLACED W/ 31100A (SEE PARTIAL RISER DIAGRAM)



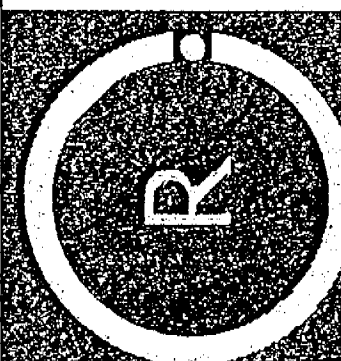
SITE INVESTIGATION

EXAMINATION OF CONTRACT DOCUMENTS AND SITE OF WORK: THE BIDDER IS REQUIRED, BEFORE PREPARING A BID, TO VISIT THE SITE OF THE PROPOSED WORK AND FAMILIARIZE HIM OR HERSELF WITH THE NATURE AND EXTENT OF THE WORK AND ANY LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT THE WORK TO BE DONE AND EQUIPMENT, MATERIALS AND LABOR REQUIRED TO COMPLY WITH THE WORK INVOLVED. THE BIDDER SHALL BE RESPONSIBLE FOR EXISTING BUILDINGS, SYSTEMS AND FACILITIES. SPECIAL CONSIDERATION SHALL BE GIVEN TO EXAMINATION OF SOILING CONDITIONS, SLIGHT VARIATION OF ROUTING AND/OR CORRECTIONS SHOULD BE ANTICIPATED BY THE BIDDER. ANY DISCREPANCY OR CONFLICT WITH OTHER TRADES, THESE VARIATIONS ARE EXPRESSLY INCLUDED AS PART OF THE WORK. BIDDER WILL BE REQUIRED AT NO ADDITIONAL COST TO THE OWNER INSURANCE ON THE PART OF THE CONTRACTOR TO IN FULL RESERVE HIM OF THE OBLIGATIONS AND RESPONSIBILITY ASSUMED UNDER THIS CONTRACT.



175 FOUNTAINEBLEAU BLVD. STE. 2-G6A
MIAMI, FLORIDA 33172
PH: 305-229-3874
FAX: 305-229-2827

ENGINEERING



**RENEWAL DAY SPA FOR:
JENNY VARGAS
4101 SHERIDAN AVENUE
MIAMI BEACH, FL. 33104**

SEAL:


 ROGER CHAVARRIA, P.E.
 PROFESSIONAL ENGINEER
 FL. LIC. # 50712
 C.A.#26834
 DATE: 6-21-07

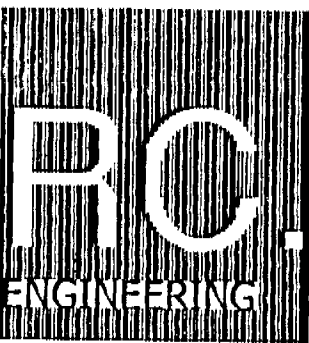
Revisions

No.	Date	Description

DATE:	
DRAWN BY:	J.B.
CHECKED BY:	R.C.
SCALE:	AS SHOWN

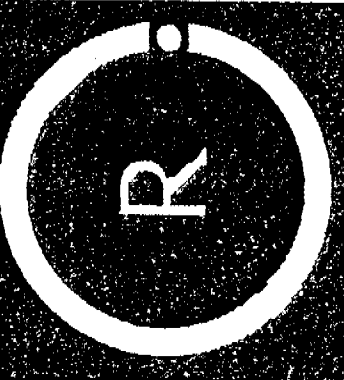
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Ex. _____
Set No. 4 of 7
E-2
2-2



175 FOUNTAINBLEAU BLVD. STE. 2-05A
MIAMI, FLORIDA 33172
PH: 305-229-3874
FAX: 305-229-2827

ENGINEERING



RENEWAL DAY SPA FOR:

JENNY VARGAS

4101 SHERIDAN AVENUE
MIAMI BEACH, FL. 33104

SEAL:

ROSE CHAVARRA, P.E.
PROFESSIONAL ENGINEER
FL LIC. # 50712
CA-#2554
DATE: 9-26-07

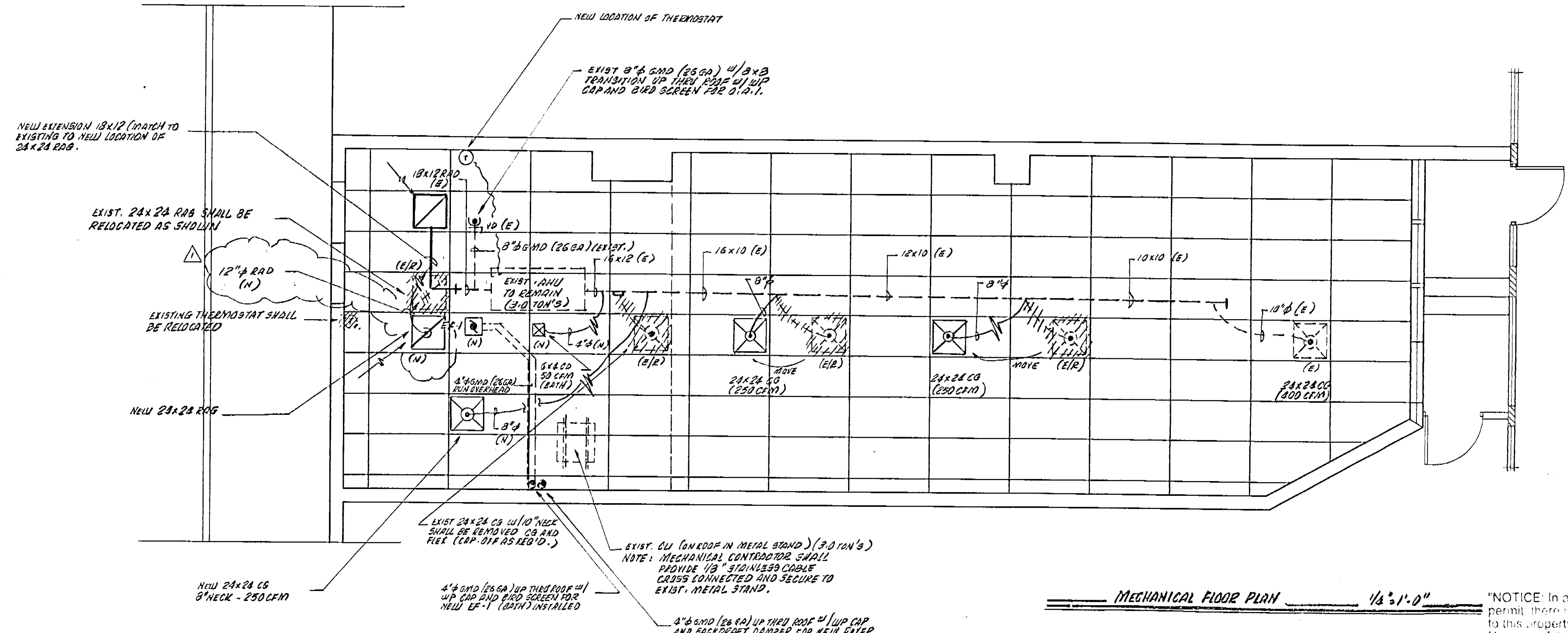
Revisions

No.	Date	Description
1	09/26/07	R.S.

DATE: 9/26/07
DRAWN BY: JCV
CHECKED BY: JCV
SCALE: AS SHOWN

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Sheet No. 1 of 1



LEGEND	
	EXIST. CG
	NEW OR RELOCATED CG
	EXISTING DUCT
	NEW DUCT
	EXISTING/RELOCATED DUCT
	NEW DUCT
	REMOVED OR RELOCATED DUCT

GENERAL NOTE.

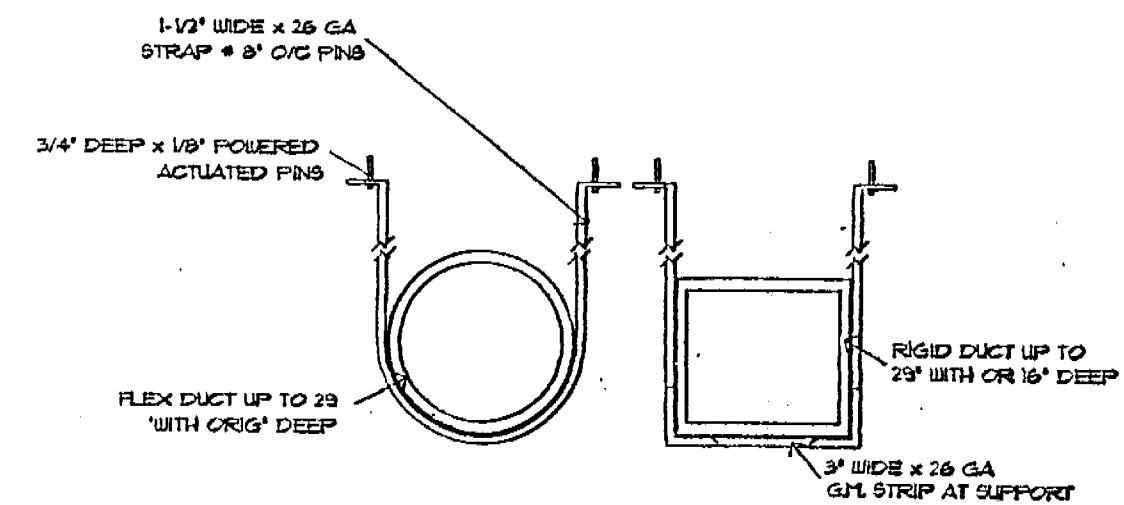
- HVAC CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE AIR OPERATING AIR CONDITIONING SYSTEM.
- HVAC SUB CONTRACTOR TO PROVIDE ALL REQUIRED HVAC PERMITS.
- COMPLY WITH NFPA 90A AND ALL APPLICABLE CODES, THIS IS THE CONTRACTORS RESPONSIBILITY.
- FLEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUMINUM WITH 1 3/4 LB. DENSITY FIBERGLASS INSULATION AND BE UL LISTED. SHEET METAL DUCT SHALL BE LINED WITH 1" MATT FACED DUCT LINER (GALVANIZED).
- ALL EXHAUST DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS.
- ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION, TITUS, METALAIR OR AS APPROVED BY THE ENGINEER.
- HVAC SUB CONTRACTOR SHALL TEST AND BALANCE TO THE AIR QUANTITIES ON THE PLAN. PROVIDE TEST AND BALANCE REPORT IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS, SIGNED AND SEALED BY A REGISTERED FLORIDA ENGINEER.
- HVAC SUB CONTRACTOR SHALL PROVIDE ALL CONTACTORS, RELAYS AND THERMOSTATS. THE ELECTRICAL SUB CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS AND CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY EQUIPMENT MANUFACTURER.
- ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
- ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCE THAT MAY DELAY PROGRESS OF CONSTRUCTION.
- HVAC SUB CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS AND TRANSITIONS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
- CONTRACTOR TO FURNISH SHOP DRAWINGS FOR DUCTWORK AND AIR DEVICES.
- DIFFUSER: SD - TITUS "TDC-AA" LOUVERED, ALUMINUM WITH VOLUME DAMPER

COORDINATION NOTES:

- HVAC CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS WORK WITH ALL OTHER TRADES.
- WALLS, ROOF AND CEILING OPENINGS INDICATED ON CONTRACTOR DRAWINGS ARE NOMINAL DIMENSIONS ONLY.
- COORDINATE LOCATION OF AIR CONDITIONING UNITS, FANS AND DUCTWORK WITH BUILDING STRUCTURE AND OTHER TRADES SO THAT NO INTERFERENCE OCCUR.
- IN GENERAL DUCT OFFSETS HAVE NOT BEEN SHOWN, HVAC CONTRACTOR TO COORDINATE THESE AS REQUIRED.

SITE INVESTIGATION

EXAMINATION OF CONTRACT DOCUMENTS AND SITE OF WORK. THE BIDDER IS REQUIRED, BEFORE SUBMITTING HIS PROPOSAL, TO VISIT THE SITE OF THE PROPOSED WORK AND FAMILIARIZE HIMSELF WITH THE NATURE AND EXTENT OF THE WORK AND ANY LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT THE WORK TO BE DONE AND EQUIPMENT, MATERIALS AND LABOR REQUIRED THEREFOR. SINCE THE WORK INVOLVES EXISTING BUILDINGS, SYSTEMS AND FACILITIES, SPECIAL CONSIDERATION SHALL BE GIVEN TO EXAMINATION OF WORKING CONDITIONS, SLIGHT VARIATION OF ROUTING AND OR CONSTRUCTIONS SHOULD BE ANTICIPATED BY THIS CONTRACTOR TO AVOID CONFLICTS WITH OTHER TRADES. THESE VARIATIONS ARE EXPRESSLY INCLUDED AS PART OF THE WORK WHENEVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER. INSURANCE ON THE PART OF THE CONTRACTOR WILL IN NO WAY RELIEVE HIM OF THE OBLIGATIONS AND RESPONSIBILITY ASSUMED UNDER THIS CONTRACT.



DUCT HANG DETAIL

N.T.S.

HVAC DESIGN REQUIRE:	YES	NO
DUCT SMOKE DETECTOR		X
FIRE DAMPER		X
SMOKE DAMPER		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X

"NOTICE: In addition to the requirement of this permit, there may be additional restrictions applicable to this property that may be found in the Public Records of this County, and there may be additional permits required from other governmental entities such as a water management district, state agencies, or local governments.

The City of Miami, FL, assumes no responsibility for accuracy of or results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations."

EXHAUST FAN SPECS

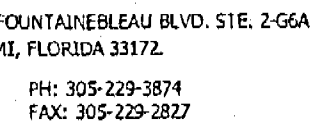
EF-1 - SHALL BE "NUTONE" MODEL N3 15-100 - 100 CFM AIR DELIVERY @ 1/4" SP - 120 1/160 W/ 1/2" FLANGE DISCHARGE AND BACKDRAFT DAMPER BUILT-IN - UL LISTED

OUTSIDE AIR INTAKE CALCULATION "ASHRAE"

DATA: (MAX) OCCUPANT LOAD = 10 PERS $\Rightarrow$ 15 PERS @ 25 CFM / PERS (ASHRAE) = 375 CFM @ 0.1 A.I. FLD'D.
NOTE: MECHANICAL CONTRACTOR ADJUST EXIST. V.D. IN OUTSIDE OF 0.1 A.I. @ 250 CFM.

SCOPE OF WORK

- RELOCATE OR ADD DIFFUSERS AND REGISTERS AS SHOWN
 - INSTALL NEW EXHAUST FAN (EF-1) W/ DUCTWORK AS SHOWN
 - PROVIDE NEW DUCTWORK FOR DRYER EXHAUST.
 - RELOCATE EXIST. THERMOSTAT
 - ADJUST EXIST DUCT V.D. OF FRESH AIR INTAKE PER CALCULATION
 - SECURE CU TO A EXIST. METAL STAND (SEE NOTE)
 - PROVIDE DUCT SENSOR BU @ EXIST. AHU TO SHUT-DOWN RIG EQUIPMENT IN OVERFLOW EVENT.
- NOTE: BODY TREATMENT ROOM N31 AND N32 HAVE 7'-0" HIGH (PARTITION) EXIST. CEILING HIGH = 8'-6" (CONSEQUENTLY: NO RETURN TRANSFER IS REQ'D.)



JENNY VARGAS
4101 SHERIDAN AVENUE
MIAMI BEACH, FL. 33104

ROGER CHAVARRIA, P.E.
PROFESSIONAL ENGINEER
FL. LIC. # 50712
C.A.#26834
DATE: 6-21-07

No.	Date	Description

DATE:	
DRAWN BY:	
CHECKED BY:	R.C.
SCALE:	AS SHOWN

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Sheet No. 5 OF 7
M-1
1-1



	EXIST. CG
	NEW OR RELOCATED CG
_____	EXISTING
_____	NEW
(E) _____	EXISTING
(ER) _____	EXISTING / RELOCATED
(N) _____	NEW
_____	REMOVED OR RELOCATED

1. HVAC CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE AN OPERATING AIR CONDITIONING SYSTEM.
2. HVAC SUB CONTRACTOR TO PROVIDE ALL REQUIRED HVAC PERMITS.
3. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE AIR CONTRACTORS RESPONSIBILITY.
4. COMPLY WITH NFPA 90A AND ALL OTHER LOCAL CODES. THIS IS THE CONTRACTORS RESPONSIBILITY.
5. ALL DUCTWORK SHALL BE GALVANIZED, CORROSION RESISTANT ALUMINUM WITH 1 3/4 LB. DENSITY FIBERGLASS INSULATION AND BE UL LISTED. SHEET METAL DUCT SHALL BE LINED WITH 1" MATT FACED DUCT LINER (GALVANIZED).
6. ALL EXHAUST DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMAGNA STANDARDS.
7. ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION, TITUS, METALAIRE OR AS APPROVED BY THE ENGINEER.
8. HVAC SUB CONTRACTOR SHALL TEST AND BALANCE TO THE AIR QUANTITIES ON THE PLAN PROVIDED. TEST AND BALANCE REPORT IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS, SIGNED AND SEALED BY A REGISTERED FLORIDA ENGINEER.
9. HVAC SUB CONTRACTOR SHALL PROVIDE ALL CONTACTORS, RELAYS AND THERMOSTATS, THE ELECTRICAL SUB CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISJUNCTIONS AND CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY EQUIPMENT MANUFACTURER.
10. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
11. ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCE THAT MAY DELAY THE PROGRESS OF CONSTRUCTION.
12. THE HVAC CONTRACTOR SHALL MAINTAIN ALL NECESSARY ACCESS, BENDS AND TRANSITIONS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
13. COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
14. CONTRACTOR TO FURNISH ALL MATERIALS AND LABOR FOR DUCTWORK AND AIR DEVICES.
15. DIFFUSER :SD = TITUS "TDC-A" LOUVERED, ALUMINUM WITH VOLUME DAMPER

1. HVAC CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS WORK WITH ALL OTHER TRADES
2. WALL, ROOF AND CEILING OPENINGS INDICATED ON CONTRACTOR DRAWINGS ARE NOMINAL DIMENSIONS ONLY.
3. COORDINATE LOCATION OF AIR CONDITIONING UNITS, FANS AND DUCTWORK WITH BUILDING STRUCTURE AND OTHER TRADES SO THAT NO INTERFERENCE OCCUR.
4. IN GENERAL DUCT OFFSETS HAVE NOT BEEN SHOWN, HVAC CONTRACTOR TO COORDINATE THESE AS REQUIRED.

EXAMINATION OF CONTRACT DOCUMENTS AND SITE OF WORK. THE BIDDER IS REQUIRED, BEFORE SUBMITTING HIS PROPOSAL, TO VISIT THE SITE OF THE PROPOSED WORK AND FAMILIARIZE HIM OR HERSELF WITH THE NATURE AND EXTENT OF THE WORK AND ALL LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT THE WORK. IT IS THE DUTY AND RESPONSIBILITY OF THE BIDDER REQUIRED THEREFORE, SINCE THE WORK INVOLVES EXISTING BUILDINGS, SYSTEMS AND FACILITIES, SPECIAL CONSIDERATION SHALL BE GIVEN TO EXAMINATION OF WORKING CONDITIONS, SLIGHT VARIATION OF ROUTING AND OR CONSTRUCTION, AND/OR DISCIPINATED BY THIS CONTRACTOR TO AVOID CONFLICTS WITH OTHER TRADES, THESE VARIATIONS ARE EXPRESSLY INCLUDED AS PART OF THE WORK. WHENEVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER. INSURANCE OF THE PART OF THE CONTRACTOR TO INJURY OR RELIEVE HIM OF THE OBLIGATIONS AND RESPONSIBILITY ASSUMED UNDER THIS CONTRACT.

EF-1 — SHALL BE "NUTONE" MODEL N^o 15-100 — 100 GPM AIR DELIVERY @ 1/4" SP — 120 1/160
W/ 3" Ø FLANGE DISCHARGE AND BACKDRAFT DAMPER BUILT-IN — UL LISTED

DATA : (MAX) OCCUPANCY LOAD = 10 PERS $\Rightarrow$ 13 PERS @ 25 CFM / PERS (BLUANT) = 250 CFM OF D.A.I. REQ'D.
NOTE : MECHANICAL CONTRACTOR ADJUST EXIST. V.D. IN OUTFLOW OF D.A.I. @ 250 CFM.

- 1) RELOCATE OR ADD FILTERS/SCREENS AND REGISTER AS SHOWN
- 2) INSTALL NEW EXHAUST FAN (EF-1) W/ OUTWORK AS SHOWN
- 3) PROVIDE NEW OUTWORK FOR DRYER EXHAUST.
- 4) RELOCATE EXIST. THERMISTAT
- 5) ADJUST EXIST DUCT H.D. OF FRESH AIR INTAKE PER CALCULATION
- 6) SECURE CU TO A EXIST. METAL BAND (SEE NOTE)
- 7) PROVIDE WET SENSOR SW. EXIST AHU TO SHUT-DOWN A/D EQUIPMENT IN OVERFLOUW EVENT.

N.T.S.

HVAC DESIGN REQUIRE:	YES	NO
DUCT SMOKE DETECTOR		x
FIRE DAMPERS/		x
SMOKE DAMPERS/		x
FIRE RATE ENCLOSURE		x
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		x
FIRE STOPPING		x
SMOKE CONTROL		x

GENERAL PLUMBING NOTES

1. ALL WORK SHALL COMPLY WITH FBC 2004.
GOVERNING THE
INSTALLATION OF THE PLUMBING SYSTEM IF WORK IS LAD
OUT, INDICATED OR SPECIFIED IS CONFORMANT TO OR CONFLICTS
WITH LOCAL ORDINANCES, ORDINANCES, CODES AND REGULATIONS,
THE CONTRACTOR SHALL REPORT IN WRITING TO THE
ARCHITECT/ENGINEER BEFORE SUBMITTING A BID. THE
ARCHITECT/ENGINEER SHALL THEN ISSUE INSTRUCTIONS AS
HOW TO PROCEED.

2. THE DRAWINGS ARE TO BE CONSIDERED SUPPLEMENTARY, NOT
NECESSARILY SHOWN IN DETAIL OR TO SCALE. ALL OF THE
FLOOR PLANS UNLESS SPECIFIC OTHERWISE SHOWN, THE
STRUCTURAL, ARCHITECTURAL, AND SITE CONDITIONS SHALL
GOVERN THE EXACT LOCATION. CONTRACTOR SHALL FOLLOW
DRAWING RELATIONS OUT HERE. CHECK COORDINATION OF ALL
TRACES TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED
AND MAINTAIN HANDY HEAD ROOM AND SPACE CONDITIONS
AT ALL POINTS. WHERE HEAD ROOM OR SPACE CONDITIONS
APPEAR INADEQUATE, ARCHITECT/ENGINEER SHALL BE
NOTIFIED BEFORE PROCEEDING WITH INSTALLATION. THIS
CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE FIELD
MODIFICATION IN LAYOUT AS NEEDED TO PREVENT CONFLICT
WITH WORK OF VARIOUS TRADES OR FROM PROPER EXECUTION
OF THE WORK.

3. EXAMINE ALL DRAWINGS CAREFULLY PRIOR TO SUBMITTING A BID.
CONTRACTOR WILL BE REQUIRED TO FURNISH INSTALL AND/OR
CONNECT WITH APPROPRIATE SERVICES ALL PLUMBING ITEMS
SHOWN ON ANY OF THE ARCHITECTURAL, AIR CONDITIONING,
ELECTRICAL, AND SPOKEWORK DRAWINGS WITHOUT ADDITIONAL
CHARGE TO THE OWNER. IF DISCREPANCIES, CONFLICTS,
INTERFERENCE OR OMISSIONS OCCUR BETWEEN DRAWINGS,
NOTIFY IN WRITING THE ARCHITECT/ENGINEER IN WRITING THE
TO THE OWNER BEFORE THE BIDDING PROCESS.

4. INSTALL MATERIALS AND EQUIPMENT IN A NEAT AND FIRST
CLASS MANNER. THE OWNER RESERVES THE
RIGHT TO CORRECT REWORK AND REPLACEMENT OF ITEMS WHICH
IN HIS OPINION DO NOT PRESENT A NEAT AND WORKMANLIKE
APPEARANCE. REPAIR AND REPLACEMENT IS TO BE DONE
IMMEDIATELY WHEN DIRECTED BY THE OWNER IN WRITING, AT
THE SOLE EXPENSE OF CONTRACTOR.

5. STANDARDS OF WORK BY CONTRACTOR SHALL BE CONSIDERED AS
ACCEPTANCE BY HIM OF ALL CLASHES OR CONDITIONS AS TO
SATISFACTORY OF THE WORK OF OTHER TRADES OR OTHER
CONTRACTORS TO RECEIVE HIS WORK. THIS CONTRACTOR
SHALL REMOVE AND REPAIR, AT HIS EXPENSE, ALL PLUMBING
WORK WHICH MAY HAVE TO BE REMOVED BECAUSE OF
INTERFERENCE WITH OTHER TRADES.

6. THE CONTRACTOR SHALL OBTAIN AND PAY ALL INSURANCE,
FEES, PERMITS, ASSOCIATION DUES, NOTARIALS AND TAXES OF
VARIETY NATURE SHALL APPLY TO THIS WORK. HE SHALL ALSO
PAID ALL THE INSPECTION FEES AS MAY BE REQUIRED BY LAW OR
ORDINANCE AND SHALL KEEP THE OWNER ADVISED OF ANY
CHANGES AND EXPENSES ARISING FROM ANY VIOLATION OF LAWS,
RULES OR ORDINANCES.

7. PROVIDE HEAD TRIMMING AND INSTALL.

8. DO A COMPLETE JOB, EVERYTHING CONNECTED, READY FOR USE.
9. SHOP DRAWINGS. CONTRACTOR SHALL FURNISH THE ENGINEER
WITH SHOP DRAWINGS OF EQUIPMENT PRIOR TO PURCHASE
FOR APPROVAL.

10. UPON COMPLETION OF JOB THE PLUMBING CONTRACTOR SHALL
GIVE THE OWNER AN AS-BUILT SET OF REPRODUCIBLE SETS
SHOWING THE EXACT LOCATION OF ALL INSTALLATIONS.

11. PLUMBING CONTRACTOR SHALL PRESERVE TEST ALL PIPING AS
REQUIRED BY CODE. TEST SHALL BE WITNESSED AND APPROVED
BY PROPER AUTHORITIES.

12. THE PLUMBING CONTRACTOR SHALL WARRANT ALL
WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM THE DATE
OF FINAL WORK ACCEPTANCE BY OWNER. ANY WORKMANSHIP
OCCURRING IN FIRST YEAR SHALL BE REPAIRED AT NO EXPENSE
TO THE OWNER.

13. PROVIDE DRAIN-OUT FEATURES AS SPECIFIED.

14. PROVIDE SHUT-OFF VALVE FOR EACH FIXTURE.

15. WHENEVER UNUSUAL DETAILS ARE TO BE JOINED, A DISCREPANCY
FITTING SHALL BE PROVIDED TO CONNECT BOTH TYPES OF PIPES.

16. PLUMBING CONTRACTOR SHALL PROVIDE AIR CONDITIONING PLANS
FOR LOCATION OF UNITS AND DRAINS.

17. MATERIALS:

A. COLD WATER PIPING DISBURSEMENT OF WATER PIPES SHALL BE
TYPE 1/2" COPPER OR 1/2" TYPE 1/2" COPPER ABOVE GROUND.
B. COLD WATER PIPES INSIDE OF SLAB SHALL BE TYPE 1/2" COPPER
INSTALL INSIDE POLYETHYLENE GLASS FIBER REINFORCED SLAB.
C. SANITARY WATER AND VENT 1/2" AND SMALLER SHALL BE PVC SCHEDULE 40.

D. SHORT LINES INSIDE BUILDING SHALL BE CAST IRON. HOLELESS SOL. PIPE
STREET LINES OUTSIDE BUILDING IN PARKING AREA SHALL BE CORRUGATED
ALUMINUM PIPE.

E. IN COASTAL AREAS ALL SANITARY AND SHORT PIPING OUTSIDE OF BUILDING
SHALL BE SCHEDULE 40, PVC.

F. CONDENSATE DRAIN PIPE SHALL BE SCHEDULE 40, PVC PIPE AND FITTINGS.

G. WATER HEATER AND DRAIN LINE SHALL BE TYPE 1/2" COPPER 1/2".

SITE INVESTIGATION

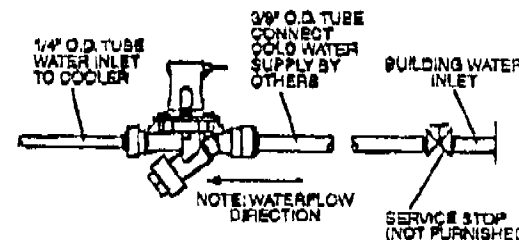
EXAMINATION OF CONTRACT DOCUMENTS AND
SITE OF WORKING THE PROPOSED WORK IS
REQUIRED. BEFORE SUBMITTING HIS PROPOSAL TO VISIT
THE SITE OF THE PROPOSED WORK AND
FAMILIARIZE HIMSELF WITH THE
NATURE AND EXTENT OF THE WORK AND
ANY LOCAL CONDITIONS THAT MAY IN ANY
MANNER AFFECT THE WORK TO BE DONE
AND EQUIPMENT, MATERIALS AND LABOR
REQUIRED THEREFOR. THIS WORK INVOLVES
EXISTING BUILDING SYSTEMS AND FACILITIES.
SPECIAL CONSIDERATION SHALL BE GIVEN TO
EXAMINATION OF WORKING CONDITIONS.
SLIGHT VARIATION OF ROUTING AND
OR CONSTRUCTION SHOULD BE ANTICIPATED BY
THE CONTRACTOR TO AVOID CONFLICTS
WITH OTHER TRADES. THESE VARIATIONS ARE
EXPRESSLY INCLUDED AS PART OF THE WORK.
WHENEVER REQUIRED AT NO ADDITIONAL COST
TO THE OWNER, THE CONTRACTOR SHALL BE
OBLIGATED TO THE OWNER TO RELIEVE
HIM OF THE OBLIGATIONS AND RESPONSIBILITY
ASSUMED UNDER THE CONTRACT.

Water Piping Size Schedule

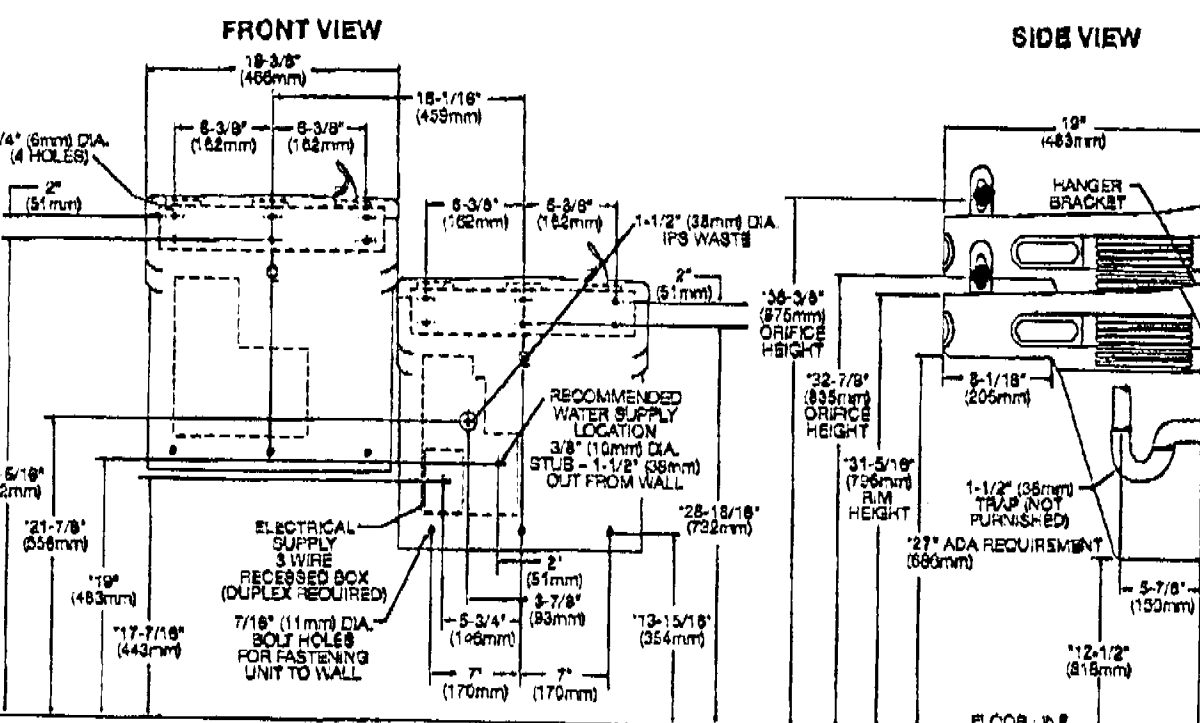
1	1/2" CW / HW
2	1/2" CW
3	3/4" CW - 1/2" HW
4	1/2" CW / HW
5	1/2" HW
6	3/4" CW
7	1" CW

Two Station Wall Mount Water Coolers
Barrier-Free Access (Adult and Child)
ANSI/NFPA1 Compliant - Models E2TL80,
E2TL80, E2TL80 and E2TL80C

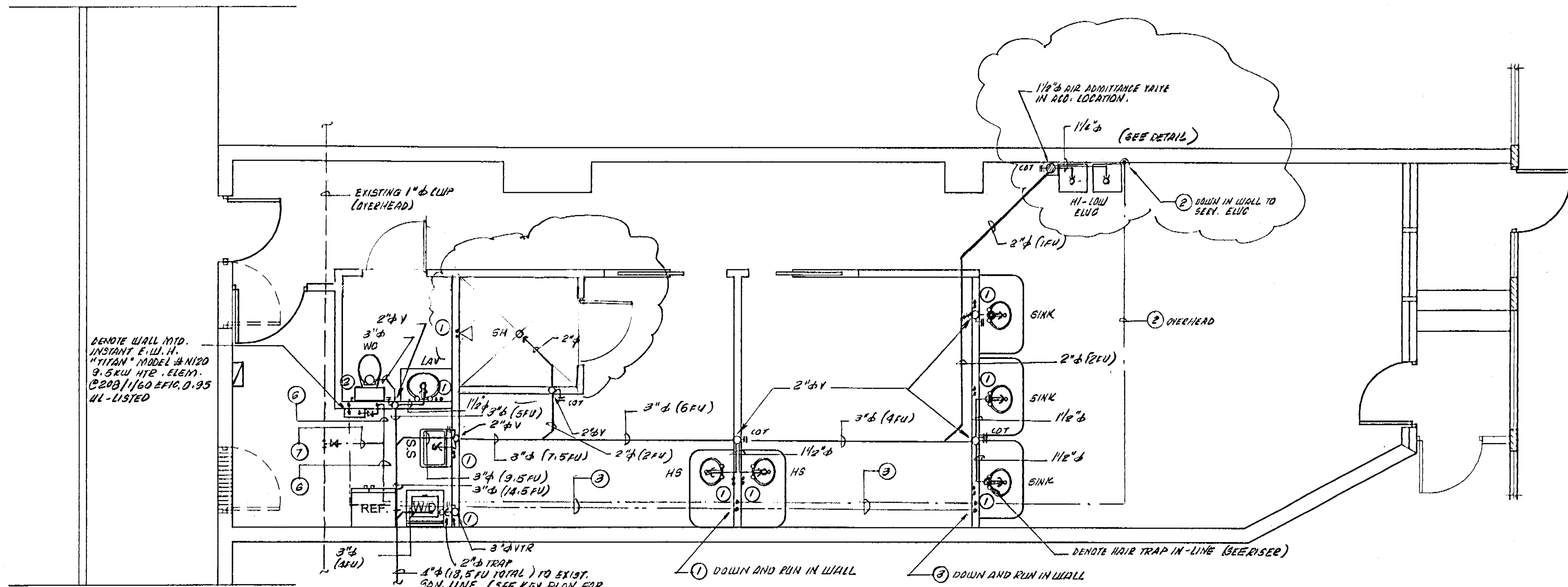
ELKAY.
ROUGH-IN DIMENSIONS



OPERATION OF QUICK CONNECT FITTINGS



Reduce height by 3 inches for installations used primarily by children ages 12 and younger.
Grill also have a minimum clear floor space 30" (762mm) by 48" (1219mm).
NOTE: A service supply stop should be installed at the cooler inlet tube.
POWER REQUIRED FOR WATER FLOW.
INSURE PROPER VENTILATION BY MAINTAINING 5" (127mm) CLEARANCE
FROM CABINET DOORS TO WALL ON EACH SIDE OF COOLER.



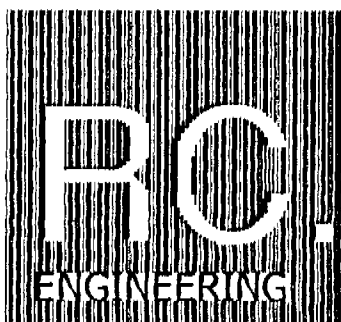
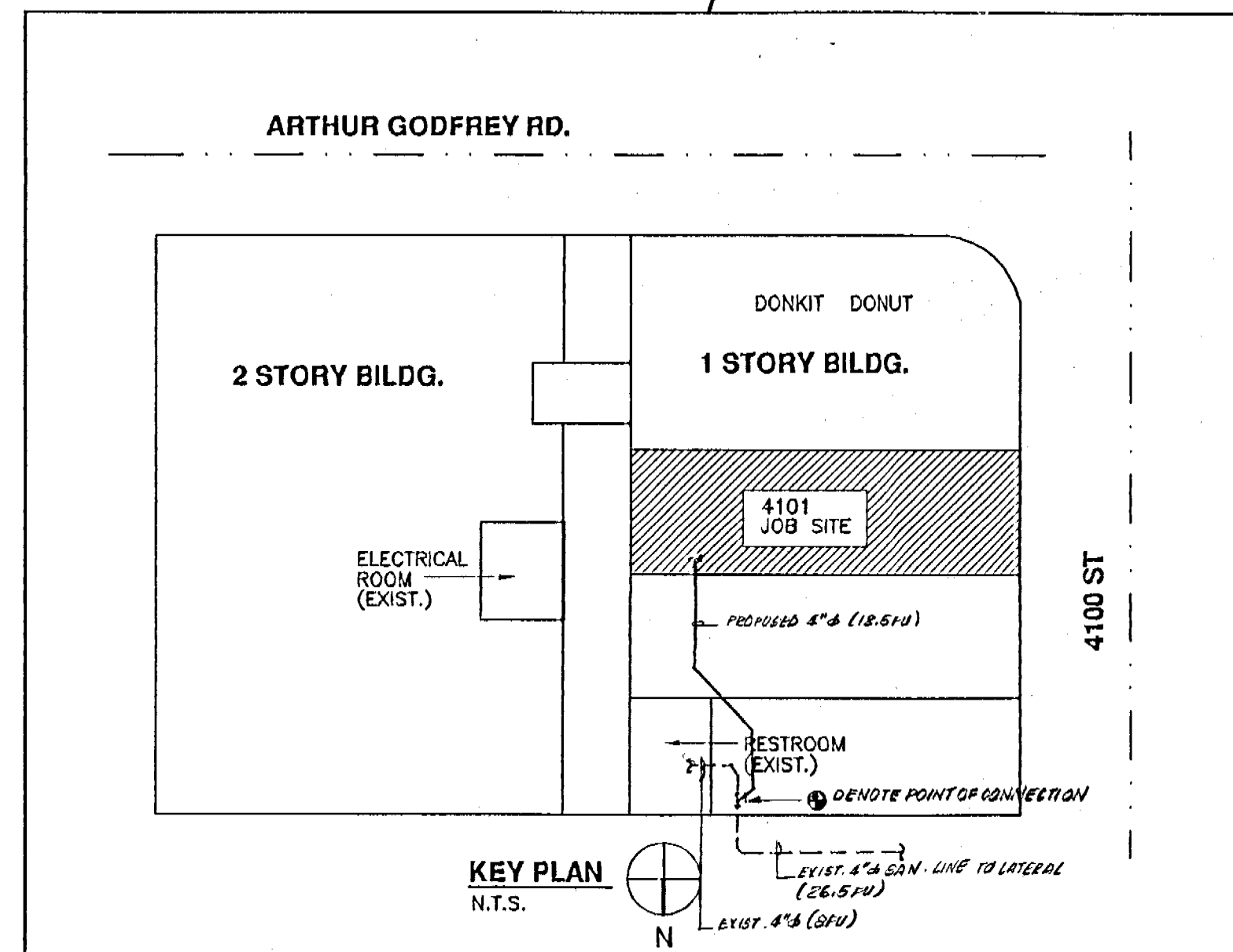
PLUMBING FLOOR PLAN 1/8"=1'-0"

NOTE: ALL NEW SANITARY LINE 2" DIA. OF SMALLER SHALL RUN @ 1/8" SLOPE PER 1'-0".

- 1. PROVIDE ANTI SCALD VALVE & SHOWER HEAD.
- 2. PROVIDE KID PROOF WASH SINK AND S.F.P.
- 3. PROVIDE WATER HAMMER ARRESTOR & WATER MACHINE.
- 4. FOR RISERS DIAGRAM REFER TO DWG "P-2"

NOTE: ALL PLUMBING FIXTURES INSTALLED SHALL BE AS PER F.B.C. 2004, 4. (MAX. FLOW RATES AND CONSUMPTION) (TABLE); FIXTURES SHALL COMPLY WITH LEAKAGE STANDARD
S.A. Ref. 406 JAN 2011

"NOTICE: In addition to the requirement of this
period, there may be additional restrictions app
to this plan, which may be found in the Public
Records of this County, and there may be addi
permits, required from other governmental entities
such as a water management's districts, state
agencies, or the U.S. Army Corps of Engineers.
The City of Miami County assumes no responsi
for accuracy of or omissions from these plans wh
are not subject to review in all Federal
State and local laws, rules, and Regulations.



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FAX: 305-229-2827

ENGINEERING



RENEWAL DAY SPA FOR:
JENNY VARGAS
4101 SHERIDAN AVENUE
MIAMI BEACH, FL. 33104

SEAL:
PROFESSIONAL ENGINEER
FL. LIC. # 50712
C.A.# 26834
DATE: 12-4-07

No.	Date	Description
1	12/04/07	B.D.C.
2	11/06/07	ADD

DATE: 12-4-07
DRAWN BY: J.B.
CHECKED BY: R.C.
SCALE: AS SHOWN

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OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING
PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE
AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF
R.C. ENGINEERING, INC. ANY UNAUTHORIZED REPRODUCTION
OR USE OF THESE DRAWINGS OR SPECIFICATIONS WITHOUT THE
WRITTEN PERMISSION OF R.C. ENGINEERING, INC. IS PROHIBITED.
CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY
PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES
BEFORE BEGINNING WORK.

Sheet No.
P-1
1-2

GENERAL PLUMBING NOTES

ALL WORK SHALL COMPLY WITH 2004
CODES AND THE
INSTALLATION OF THE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH THE
LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.
THE CONTRACTOR SHALL REPORT IN WRITING TO THE
ARCHITECT/ENGINEER BEFORE OBTAINING A D.D. THE
ARCHITECT/ENGINEER SHALL THEN ISSUE INSTRUCTIONS AS
NECESSARY TO PROCEED.

2. THE DRAWINGS ARE TO BE CONSIDERED DIAGNOSTIC, NOT
NECESSARILY TO SCALE. ALL OF THE
DIMENSIONS, UNLESS SPECIFIC DIMENSIONS ARE SHOWN, THE
DIMENSIONS, ARCHITECTURAL AND SITE CONDITIONS SHALL
GOVERN THE EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW
DIMENSIONS IN LAYOUT. WORK CHECK DRAWINGS UP ALL
WORKS TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED
AND PLUMBING MATERIALS, ROOF AND SPACE CONDITIONS
AT ALL POINTS WHERE HEAD ROOM OR SPACE CONDITIONS
ARE NEARLY CRITICAL. ARCHITECT/ENGINEER SHALL BE
NOTIFIED BEFORE PROCEEDING WITH INSTALLATION. THIS
CONTRACTOR SHALL WITHOUT EXTRA CHARGE, MAKE FIELD
VERIFICATION IN LAYOUT AS NECESSARY TO PREVENT CONFLICT
WITH WORK OF VARIOUS TRADES OR FOR PROPER EXECUTION
OF THE WORK.

3. BEFORE ALL DRAWINGS, CONTRACTOR SHALL SUBMIT A D.D.
CONTRACTOR SHALL BE REQUIRED TO FURNISH INSTALL AND/OR
CONNECT WITH ANY PRE-EXISTING PLUMBING SYSTEMS
SHOWN ON ANY OF THE ARCHITECTURAL, ARCHITECTURAL,
ELECTRICAL AND MECHANICAL DRAWINGS WITHOUT ADDITIONAL
EXPENSE TO THE OWNER. IF DISCREPANCIES, CONFLICTS,
INCONSISTENCIES OR OMISSIONS OCCUR BETWEEN DRAWINGS,
NOTIFY IN WRITING THE ARCHITECT/ENGINEER IN WRITING THE
DATE THE DRAWING IS SUBMITTED.

4. UNLESS MATERIALS AND EQUIPMENT IN A D.D. AND FIRST
CLASS WORKMANSHIP, THE OWNER RESERVES THE
RIGHT TO DIRECT REMOVAL AND REPLACEMENT OF ITEMS WHICH
IN HIS OPINION DO NOT MEET A D.D. AND WORKMANSHIP
APPEARANCE, REMOVAL AND REPLACEMENT IS TO BE DONE
IMMEDIATELY WHEN DIRECTED BY THE OWNER IN WRITING AT
THE SOLE EXPENSE OF CONTRACTOR.

5. THE CONTRACTOR SHALL OBTAIN AND PAY ALL INSURANCE,
FEES, BONDS, ASSOCIATION DUES, NOTARIALS AND TAXES OF
SHATEVER NATURE SHALL APPLY TO THIS WORK. HE SHALL ALSO
PAID ALL THE INSPECTION FEES AS MAY BE REQUIRED BY LAW OR
ORDINANCE AND SHALL KEEP THE OWNER HARMLESS FROM ANY
DAMAGE AND EXPENSE ARISING FROM ANY VIOLATION OF LAW,
RULES OR ORDINANCES.

UNLESS OTHERWISE SPECIFIED, ALL

ADD A COMPLETE JOB, EXCEPTING CONNECTED READY FOR USE.

SHOP DRAWINGS, CONTRACTOR SHALL FURNISH THE ENGINEER
WITH SHOP DRAWINGS OF EQUIPMENTS PRIOR TO PURCHASE
FOR APPROVAL.

MEAT COOKING OF JOB THE PLUMBING CONTRACTOR SHALL
GIVE THE OWNER AN AS-BUILT SET OF REPRODUCIBLE DEFS
SHOWING THE EXACT LOCATION OF ALL INSTALLATIONS.

PLUMBING CONTRACTOR SHALL PRESERVE TEST ALL PIPING AS
REQUIRED BY CODE. TEST SHALL BE UNDERTAKEN AND APPROVED
BY PROPER AUTHORITIES.

3. THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL
WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM THE DATE
OF FINAL WORK ACCEPTANCE BY OWNER. ANY BREAKDOWN
OCCURRING IN FIRST YEAR SHALL BE REPAIRED AT NO EXPENSE
TO THE OWNER.

UNLESS OTHERWISE SPECIFIED, ALL

APPROVE SHUT-OFF VALVE FOR EACH FEATURE.

WHENEVER UNDERLIES ARE TO BE JOINED, A D-ELECTRIC
FITTING SHALL BE PROVIDED TO CONNECT BOTH TYPES OF PIPES.

PLUMBING CONTRACTOR SHALL PROVIDE AIR CONDITIONING
CONDENSATE DRAIN AND TRAP. SEE AIR CONDITIONING PLANS
FOR LOCATION OF UNITS AND DRAINS.

1. MATERIALS:
A. COLD WATER PIPING DOWNSTREAM OF WATER METER SHALL BE
TYPE 1/2" COPPER BELOW GROUND AND TYPE 1/2" COPPER ABOVE GROUND.
B. COLD WATER PIPING UPSTREAM OF METER SHALL BE TYPE 1/2" COPPER
INSTALL INSIDE BUILDING. THE CONDENSATE DRAIN SHALL BE TYPE 1/2" COPPER
C. SANITARY WASTE AND VENT 1/2" AND SMALLER SHALL BE PVC SCHEDULE 40
D. SANITARY WASTE AND VENT 1/2" AND SMALLER SHALL BE PVC SCHEDULE 40

D. SANITARY LINES INSIDE BUILDING SHALL BE CAST IRON HUBLESS SORE PIPE
SHORT LINES OUTSIDE BUILDING IN PARKING AREA SHALL BE CORRUGATED
ALUMINUM PIPE.
E. IN COASTAL AREAS ALL SANITARY AND STORM PIPING OUTSIDE OF BUILDING
SHALL BE SCHEDULE 40 PVC.
F. CONDENSATE DRAIN PIPE SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS.
G. WATER METER AND DRAIN LINE SHALL BE TYPE 1/2" COPPER 1/2"

QUATER WATER METER AND DRAIN LINE SHALL BE TYPE 1/2" COPPER 1/2"

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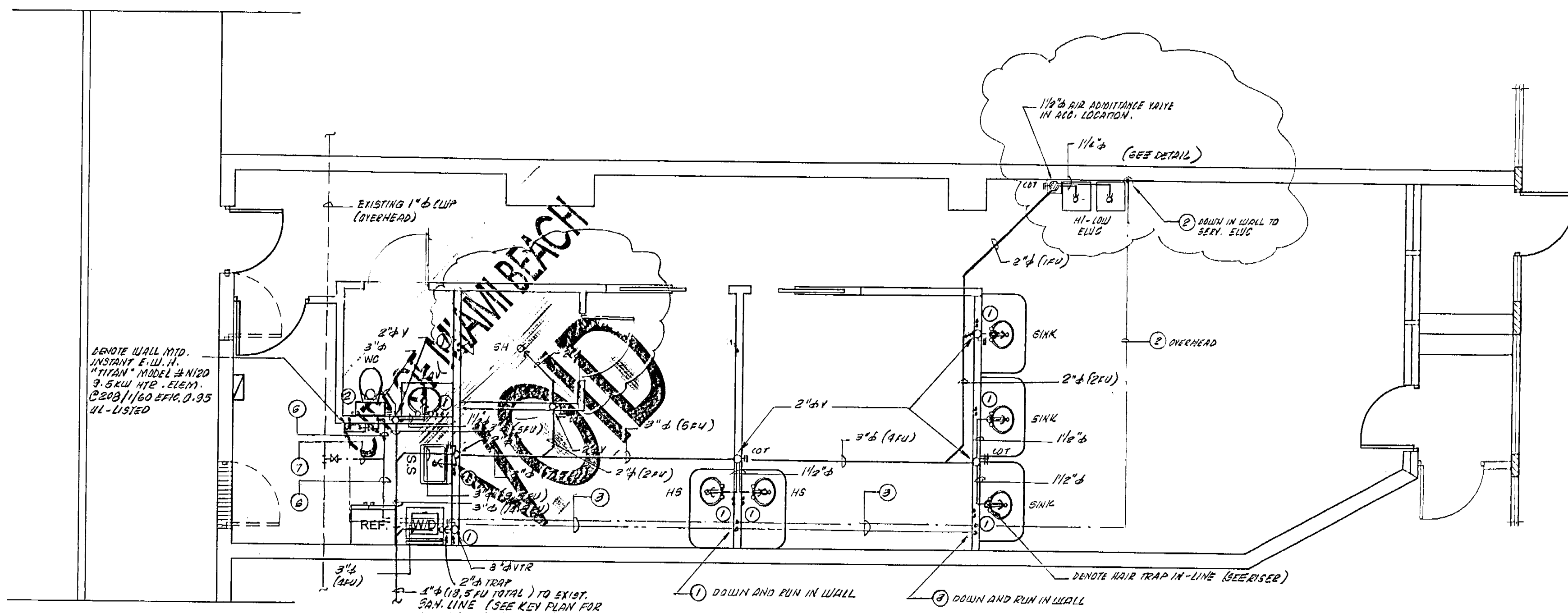
QUATER WATER METER AND DRAIN LINE SHALL BE TYPE 1/2" COPPER 1/2"

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QUATER WATER METER AND DRAIN LINE SHALL BE TYPE 1/2" COPPER 1/2"



PLUMBING FLOOR PLAN 1/2"=1'-0"

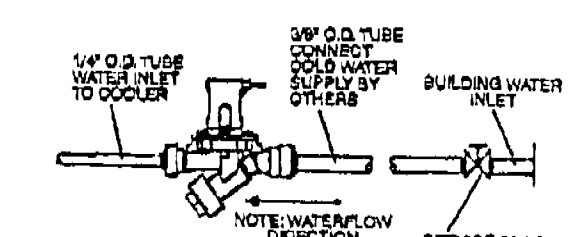
NOTE: 1. ALL NEW SANITARY LINE 2" OR SMALLER SHALL RUN @ 1/4" SLOPE PER 1'-FT.
2. SLOPE 1/4" SLOPE PER 1'-FT.
- PROVIDE ANTI SCALD VALVE & SHOWER HEAD.
- PROVIDE HAIR TRAP @ SINK AND D.I.P.
- PROVIDE WATER HAMMER ARRESTOR @ WASHED MACHINE.
- FOR RISKERS DIAGRAM REFER TO DWG "P-2"

Water Piping Schedule

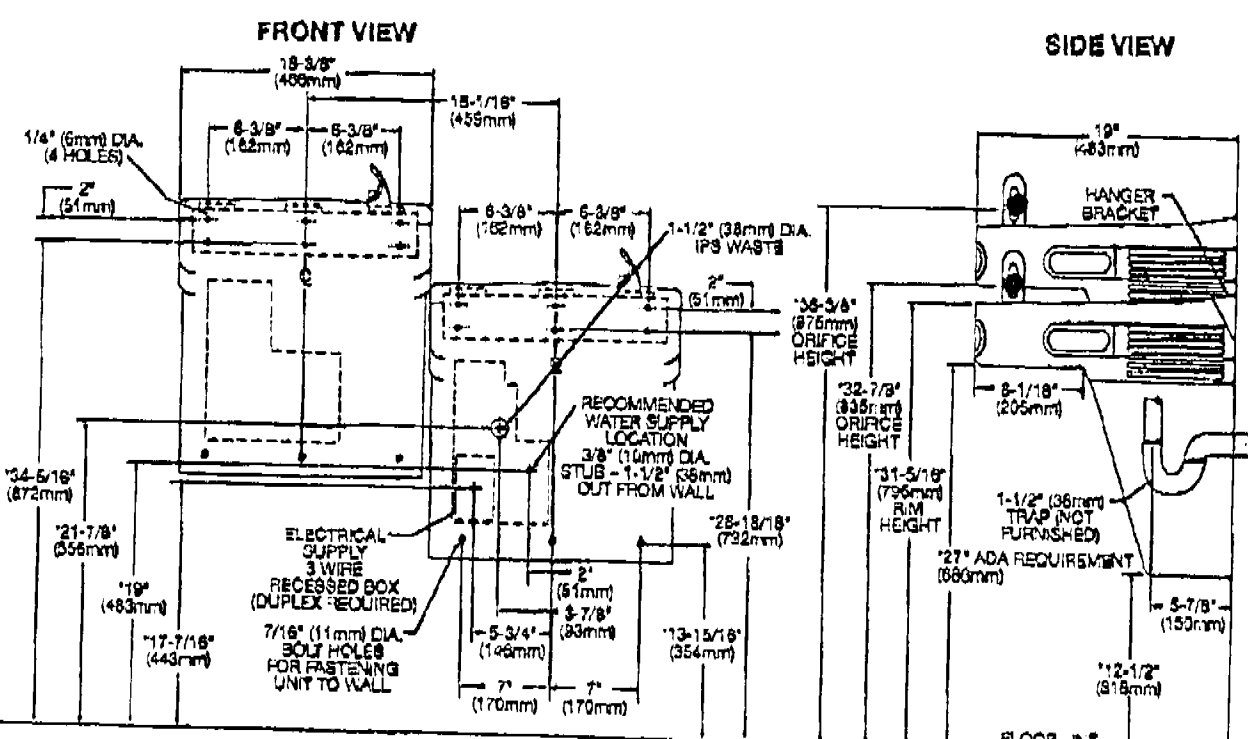
1	1/2" CW
2	1/2" CW
3	3/4" CW
4	1" CW
5	1 1/2" CW
6	2" CW
7	2 1/2" CW

Two Station Wall Mount Water Coolers
Barrier-Free Access (Adult and Child)
ANSI/NSF61 Compliant - Models EZTL80,
EZTL80, EZTL800 and EZTL800

ELKAY
ROUGH-IN DIMENSIONS

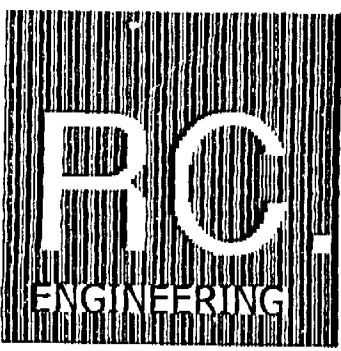
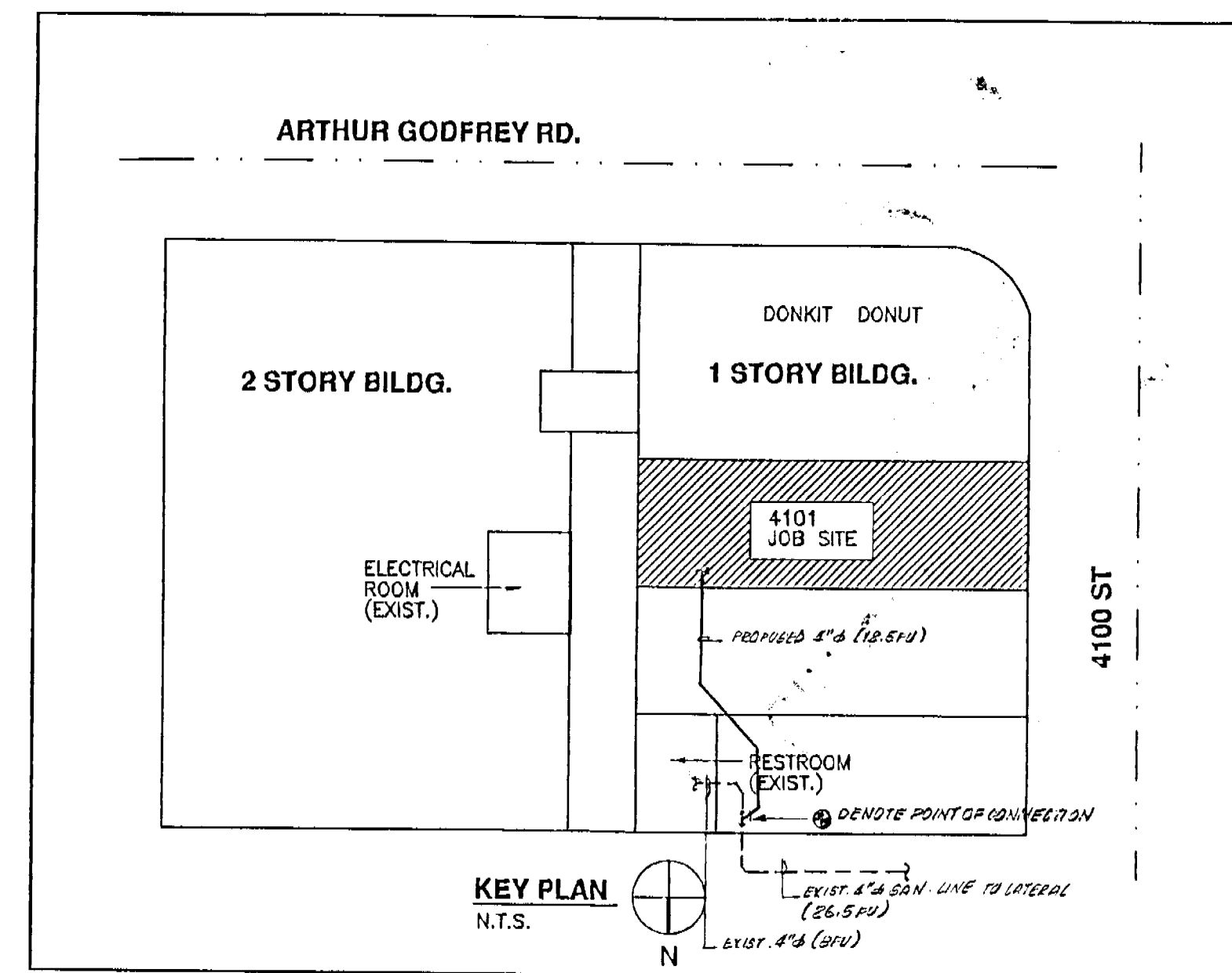


OPERATION OF QUICK CONNECT FITTINGS

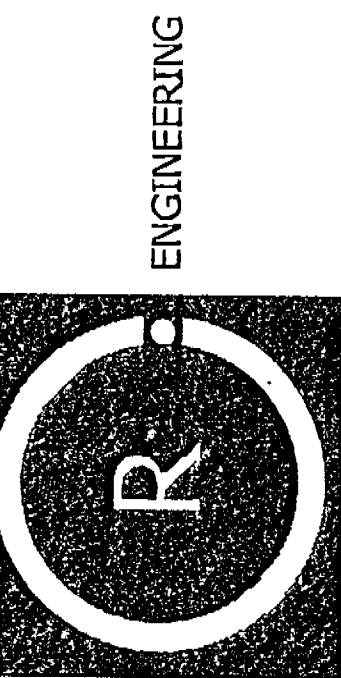


Reduce height by 3 inches for installations used primarily by children ages 12 and younger.
9-1/8\"/>

NOTE: A service supply pipe should be installed at the cooler inlet tube.
POWER REQUIRED FOR WATER FLOW:
INSURE PROPER VENTILATION BY MAINTAINING 6\"/>



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RENEWAL DAY SPA FOR:
JENNY VARGAS
4101 SHERIDAN AVENUE
MIAMI BEACH, FL. 33104

SEAL:
ROGER CHAVARRIA, P.E.
PROFESSIONAL ENGINEER
FL. LIC. # 0712
C.A. # 26834
DATE: 9-26-07

No.	Date	Description
1	09/26/07	B.O.S.

DATE: 9-26-07
DRAWN BY: J.B.
CHECKED BY: R.C.
SCALE: AS SHOWN

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PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION
STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE
WRITTEN PERMISSION OF R.C. ENGINEERING. CONTRACTOR
IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS
TO PROCEED WITH WORK.

Sheet No.
P-1
1-2

GENERAL PLUMBING NOTES

ALL WORK SHALL COMPLY WITH F.P.C. 2004
GOVERNING THE
REGULATION OF THE PLUMBING SYSTEM AS Laid
OUT, INDICATED OR SPECIFIED IS CONTRARY TO OR
WITH LOCAL ORDINANCES, BUILDING CODES AND REGULATIONS,
THE CONTRACTOR SHALL REPORT IN WRITING TO THE
ARCHITECT/ENGINEER BEFORE SUBMITTING A BID. THE
ARCHITECT/ENGINEER WILL THEN ISSUE INSTRUCTIONS AS
NEED TO PROCEED.

THE DRAWINGS ARE TO BE CONSIDERED DIAGRAMATIC, NOT
NECESSARILY EXHAUSTIVE IN DETAIL, OR TO SCALE. ALL OF THE
INSTRUMENTS, UNLESS SPECIFICALLY NOTED, ARE TO BE
STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL
GOVERN THE EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW
DRAWINGS IN LAYING OUT WORK, CHECK DRAWINGS OF ALL
TRADES TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED
AND MAINTAIN MAXIMUM HEAD ROOM, AND SPACE CONDITIONS
AT ALL POINTS WHERE HEAD ROOM OR SPACE CONDITIONS
ARE SPECIFICALLY INDICATED. UNLESS OTHERWISE NOTED,
NOTIFIED BEFORE PROCEEDING WITH INSTALLATION. THIS
CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, FIELD
LOCATIONS IN LAYOUT AS NECESSARY TO PREVENT CONFLICT
WITH WORK OF VARIOUS TRADES OR FOR PROPER EXECUTION
OF THE WORK.

EXAMINE ALL DRAWINGS CAREFULLY PRIOR TO SUBMITTING A BID.
CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL WORK
CONNECTIONS WITH APPROPRIATE SERVICES. ALL PLUMBING IS TO
BE SHOWN ON ANY OF THE ARCHITECTURAL, AIR CONDITIONING,
ELECTRICAL AND SPRINKLER DRAWINGS WITHOUT ADDITIONAL
EXPENSE TO THE OWNER IF CONFLICTS, COLLISIONS,
INTERFERENCE OR OMISSIONS OCCUR BETWEEN DRAWINGS.
NOTIFY IN WRITING THE ARCHITECT/ENGINEER IN WRITING
TO LIGHT REVISIONS BEFORE THE WORK IS COMPLETED.

ANNUAL MATERIALS AND EQUIPMENT IN A HEAT AND FIRST
CLASS. MATERIALS AND EQUIPMENT TO BE USED SHALL BE THE
RIGHT TO DIRECT REPAIRS AND REPLACEMENT OF ITEMS WHICH
IN HIS OPINION DO NOT EXIST IN A HEAT AND FIRST CLASS
APPEARANCE, REPAIRS AND REPLACEMENT IS TO BE DONE
REPEATEDLY WHEN DIRECTED BY THE OWNER IN WRITING, AT
THE SOLE DISCRETION OF CONTRACTOR.

START OF WORK BY CONTRACTOR SHALL BE CONSIDERED AS
ACCEPTANCE BY HIM OF ALL CLERK OR QUESTIONS AS TO
SATISFACTION OF THE WORK OF OTHER TRADES OR OTHER
CONTRACTORS TO RECEIVE HIS WORK. THIS CONTRACTOR
SHALL REPAIR AND REPLACE, AT HIS EXPENSE, ALL PLUMBING
WORK WHICH MAY HAVE TO BE REPAIRED DUE TO
INTERFERENCE WITH OTHER TRADES.

THE CONTRACTOR SHALL OBTAIN AND PAY ALL INSURANCE,
FEES, PERMITS, ASSOCIATION DUES, RENTALS AND TAXES OF
WHATEVER NATURE SHALL APPLY TO THE WORK. HE SHALL ALSO
PAY ALL THE INSURANCE FEES AS MAY BE REQUIRED BY LAW OR
ORDINANCE AND SHALL KEEP THE OWNER HARMLESS FROM ANY
DAMAGE AND EXPENSE ARISING FROM VIOLATION OF LAWS,
RULES OR ORDINANCES.

UNLESS OTHERWISE SPECIFIED, ALL
WORK SHALL BE COMPLETED READY FOR USE.

SEAL DRAWINGS CONTRACTOR SHALL FURNISH THE DESIGNER
WITH EACH DRAWING OF EQUIPMENT PRIOR TO PURCHASE
FOR APPROVAL.

SEAL COUPLER OF JOBS THE PLUMBING CONTRACTOR SHALL
GIVE THE OWNER AN AS-BUILT SET OF REPRODUCIBLE SETS
SHOWING THE EXACT LOCATION OF ALL INSTALLATIONS.

PLUMBING CONTRACTOR SHALL PRESERVE TEST ALL PIPING AS
REQUIRED BY CODE. TEST SHALL BE WITNESSED AND APPROVED
BY PROJECT ARCHITECT.

SEAL PLUMBING CONTRACTOR SHALL SUPPORT ALL
WORKSHOPS AND MATERIALS FOR ONE YEAR FROM THE DATE
OF FINAL WORK ACCEPTANCE BY OWNER. ANY BREAKDOWN
OCCURRING WITHIN YEAR SHALL BE REPAIRED AT NO EXPENSE
TO THE OWNER.

UNLESS OTHERWISE SPECIFIED,
IMPROVE OUT-LET VALVES FOR EACH FIXTURE.

SEAL WHENEVER UNUSUAL DETAILS ARE TO BE JOINED, A DRAINING
FITTING SHALL BE PROVIDED TO CONNECT BOTH TYPES OF PIPES.

PLUMBING CONTRACTOR SHALL PROVIDE AIR CONDITIONING
CONDENSATE DRAIN AND TRAP, USE AIR CONDITIONING PLANS
FOR LOCATION OF UNITS AND DRAINS.

MATERIALS:
A-COLD WATER PIPING DISINTEGRATE OF WATER PIPING SHALL BE
TYPE 1, COPPER BELOW GROUND AND TYPE 11 COPPER ABOVE GROUND.
B-COLD WATER PIPING ABOVE GROUND SHALL BE TYPE 11 COPPER.
INSTALL ABOVE TYPE 11 COPPER, NO JOINTS PERMITTED ABOVE SLAB.
C-SANITARY DRAIN AND VENT 4" AND SMALLER SHALL BE PVC SO SCHEDULE 40
4" AND LARGER SHALL BE DUCTILE IRON.

D-SANITARY LINES INSIDE BUILDING SHALL BE CAST IRON. UNLESS SOIL PIPE
STANT LINES OUTSIDE BUILDING IN PARKING AREA SHALL BE CONCRETE
ALUMINUM PIPES.

E-IN COASTAL AREAS ALL SANITARY AND STANT PIPING OUTSIDE OF BUILDING
SHALL BE SCHEDULE 40, PVC.

F-CANDIDATE DRAIN PIPE SHALL BE SCHEDULE 40, PVC PIPE AND FITTINGS.
G-SEWER HATCHES AND DRAIN LINES SHALL BE TYPE 1, COPPER 14"

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SEAL

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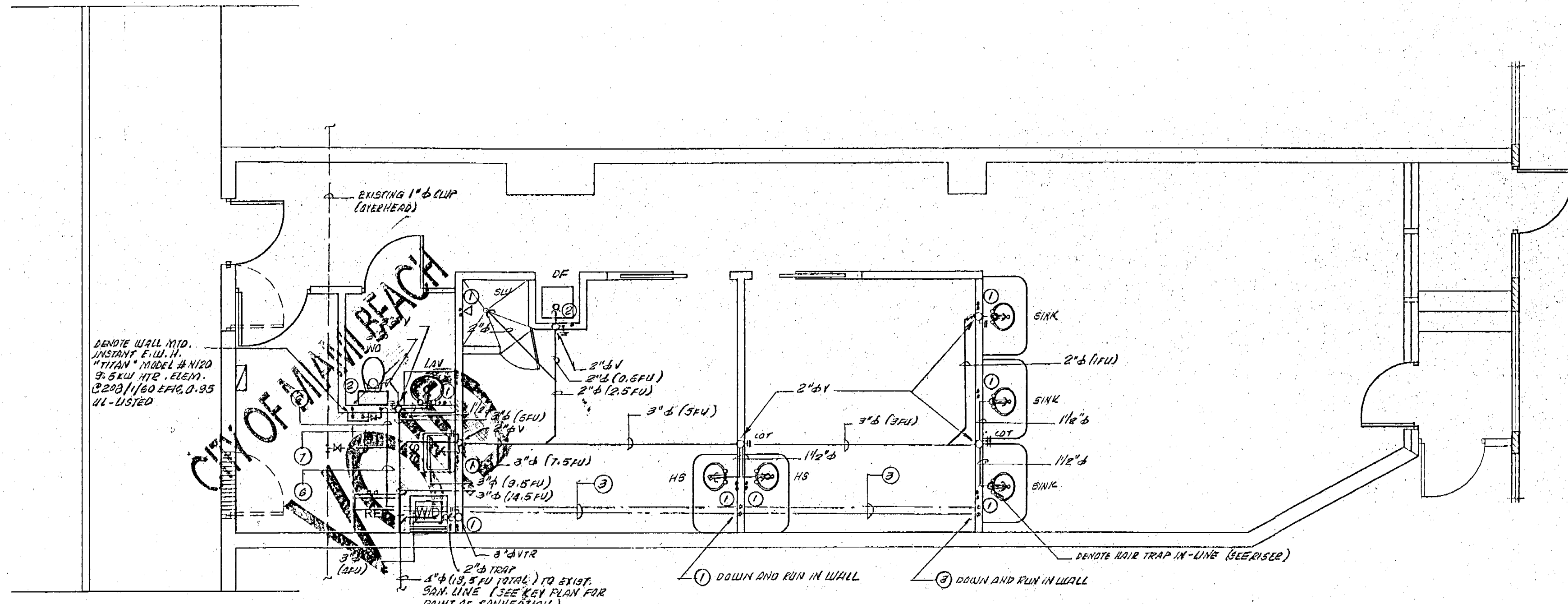
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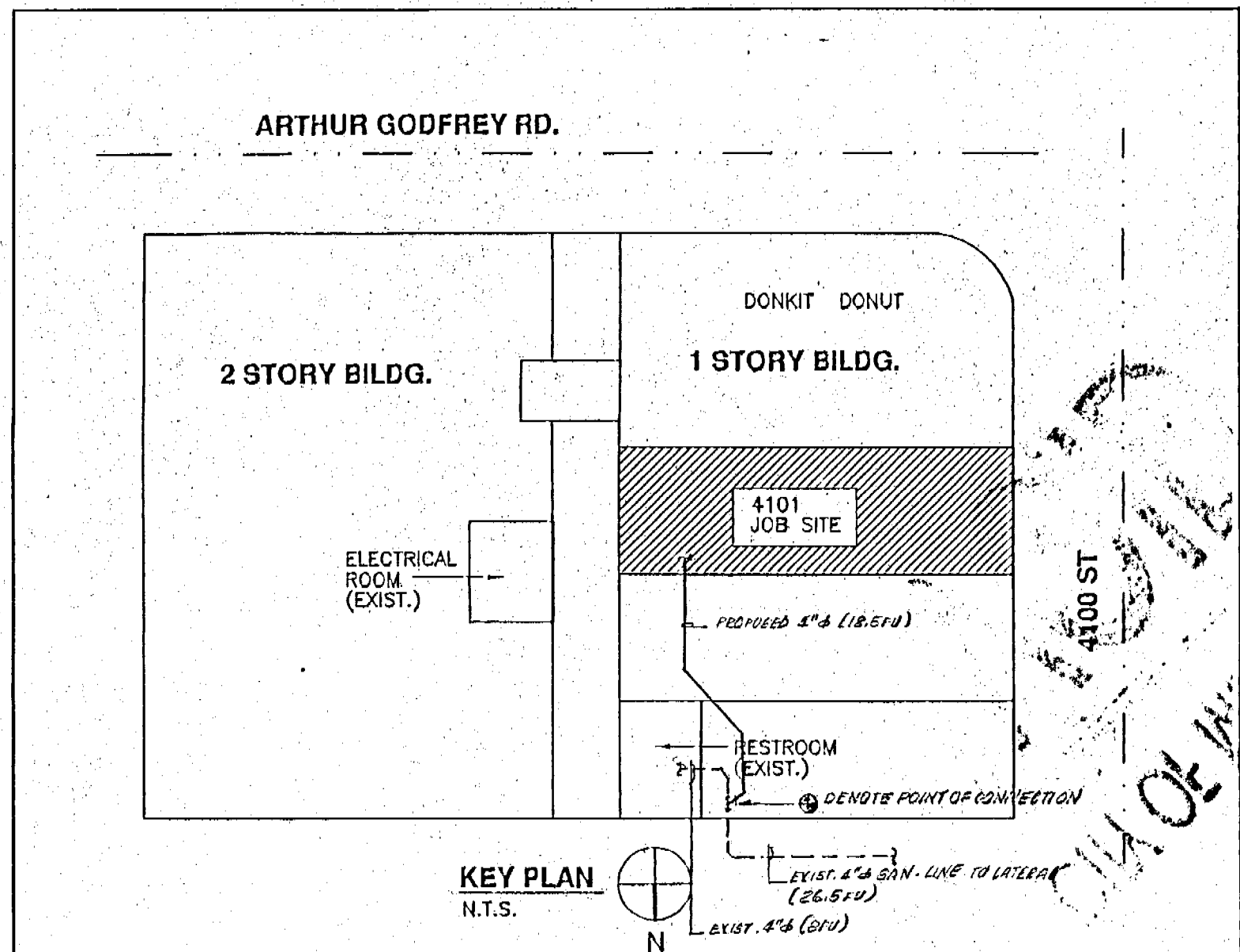


PLUMBING FLOOR PLAN 1/2"=1'-0"

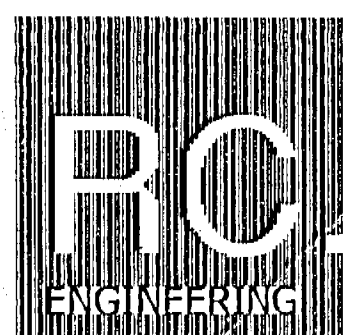
NOTE: 1- ALL NEW SANITARY LINE 2" x 1/2" OR SMALLER SHALL RUN @ 1/4" SLOPE PER 1'-0".
BEST @ 1/8" SLOPE PER 1'-0".
- PROVIDE ANTI-SCOLD VALVE & SHOWER HEAD.
- PROVIDE HAIR TRAP @ WASH SINK AND B.I.P.
- PROVIDE WATER HAMMER ARRESTOR @ WATER MACHINE.
- FOR RIBERS DIAGRAM REFER TO DWG "P-2"

WATER PIPING SIZE SCHEDULE

1	1/2" x 1/2" CW / HW
2	1/2" x 1/2" CW
3	3/4" x 1/2" CW --- 1/2" x 1/2" HW
4	1" x 1/2" CW / HW
5	1" x 1/2" CW
6	3/4" x 1/2" CW
7	1" x 1/2" CW

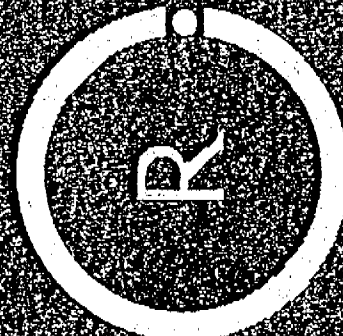


KEY PLAN
N.T.S.



175 FOUNTAINBLEAU BLVD. STE. 2-05A
MIAMI, FLORIDA 33172
PH: 305-229-2814
FAX: 305-229-2827

ENGINEERING



RENEWAL DAY SPA FOR:
JENNY VARGAS
4101 SHERIDAN AVENUE
MIAMI BEACH, FL 33104

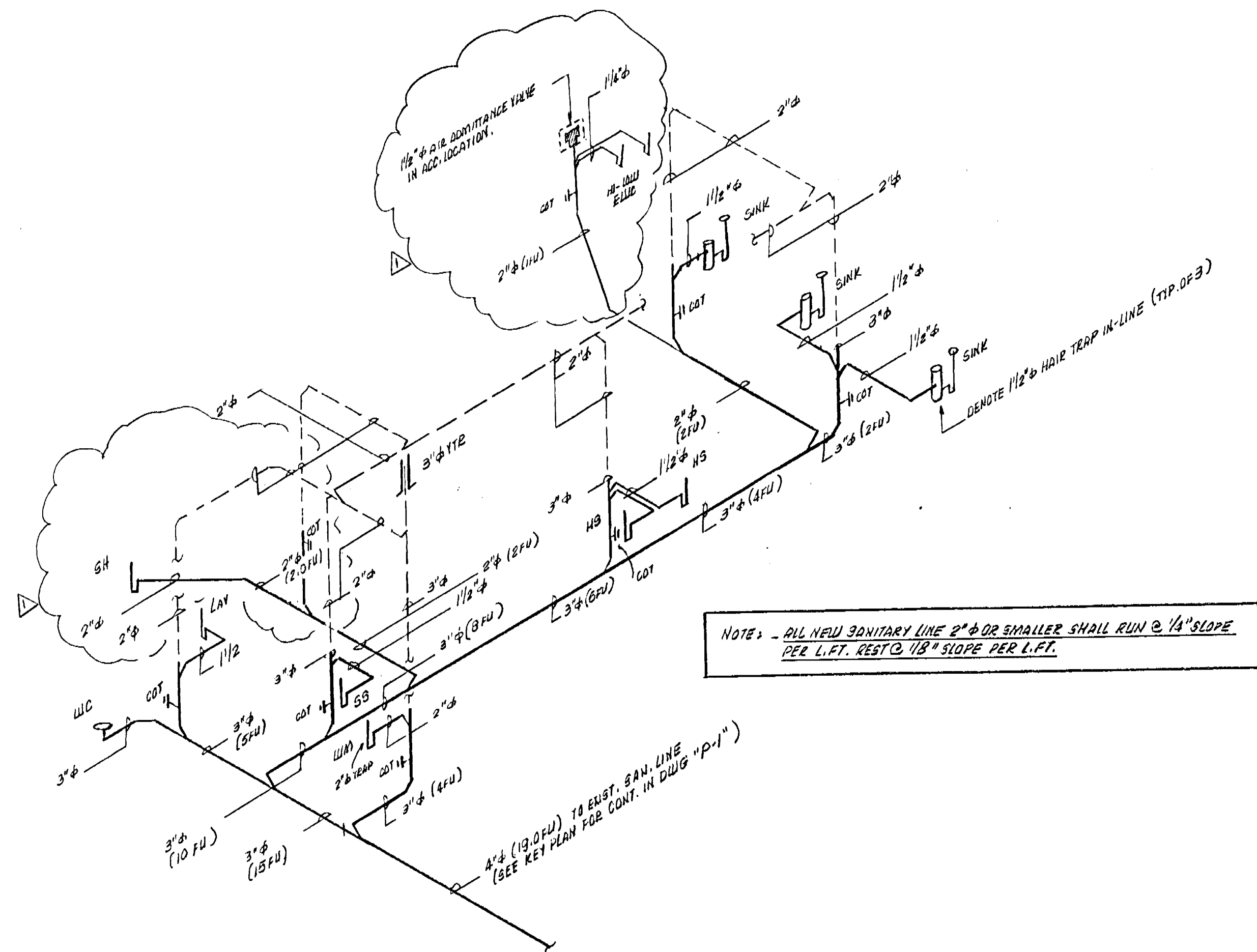
SEAL:
ROGER CHUMBARRIA, P.E.
PROFESSIONAL ENGINEER
FL. LIC. # 50712
C.A.#26834
DATE: 6-21-07

Revisions		
No.	Date	Description

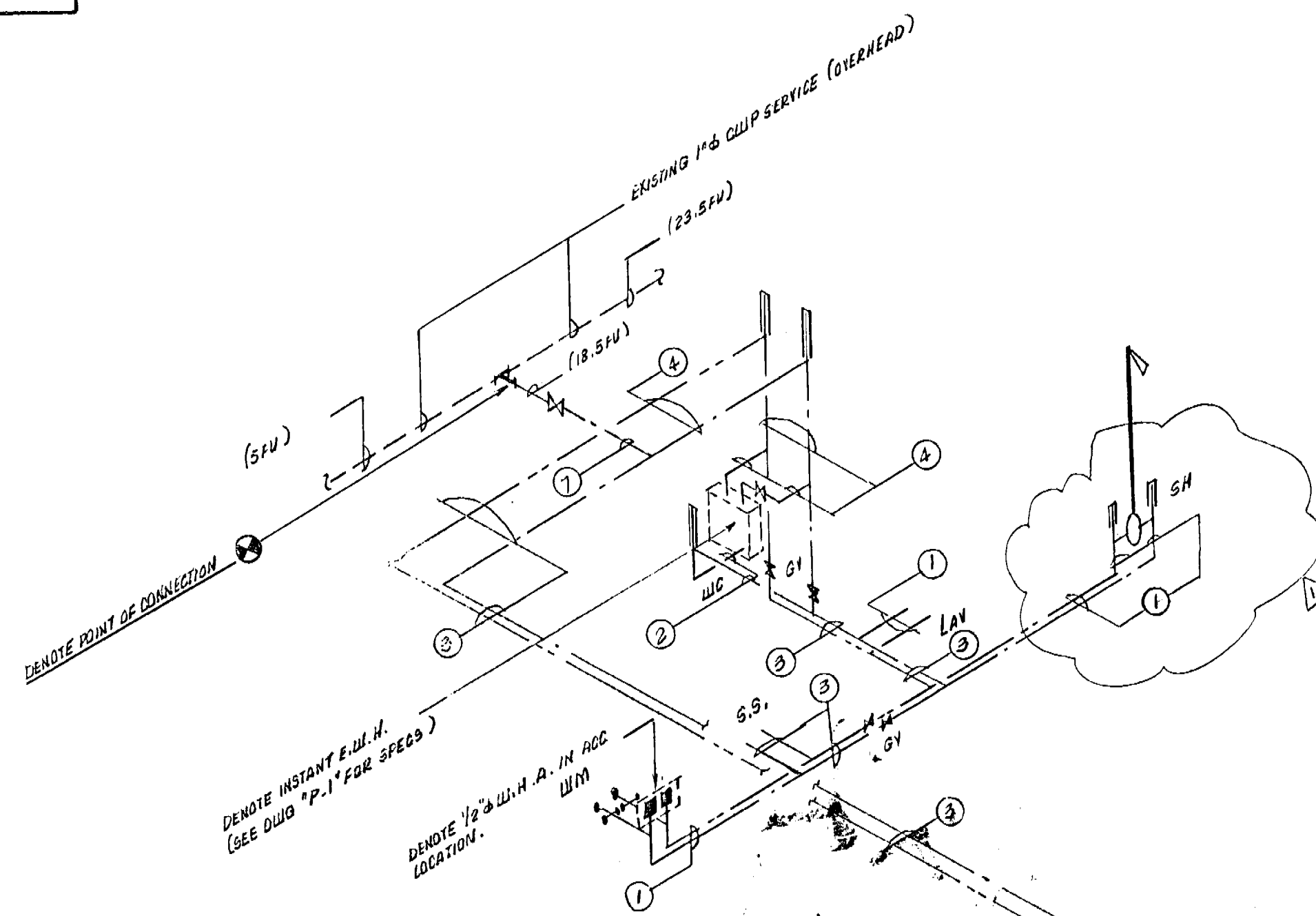
DATE: 6-21-07
DRAWN BY: J.B.
CHECKED BY: R.C.
SCALE: AS SHOWN

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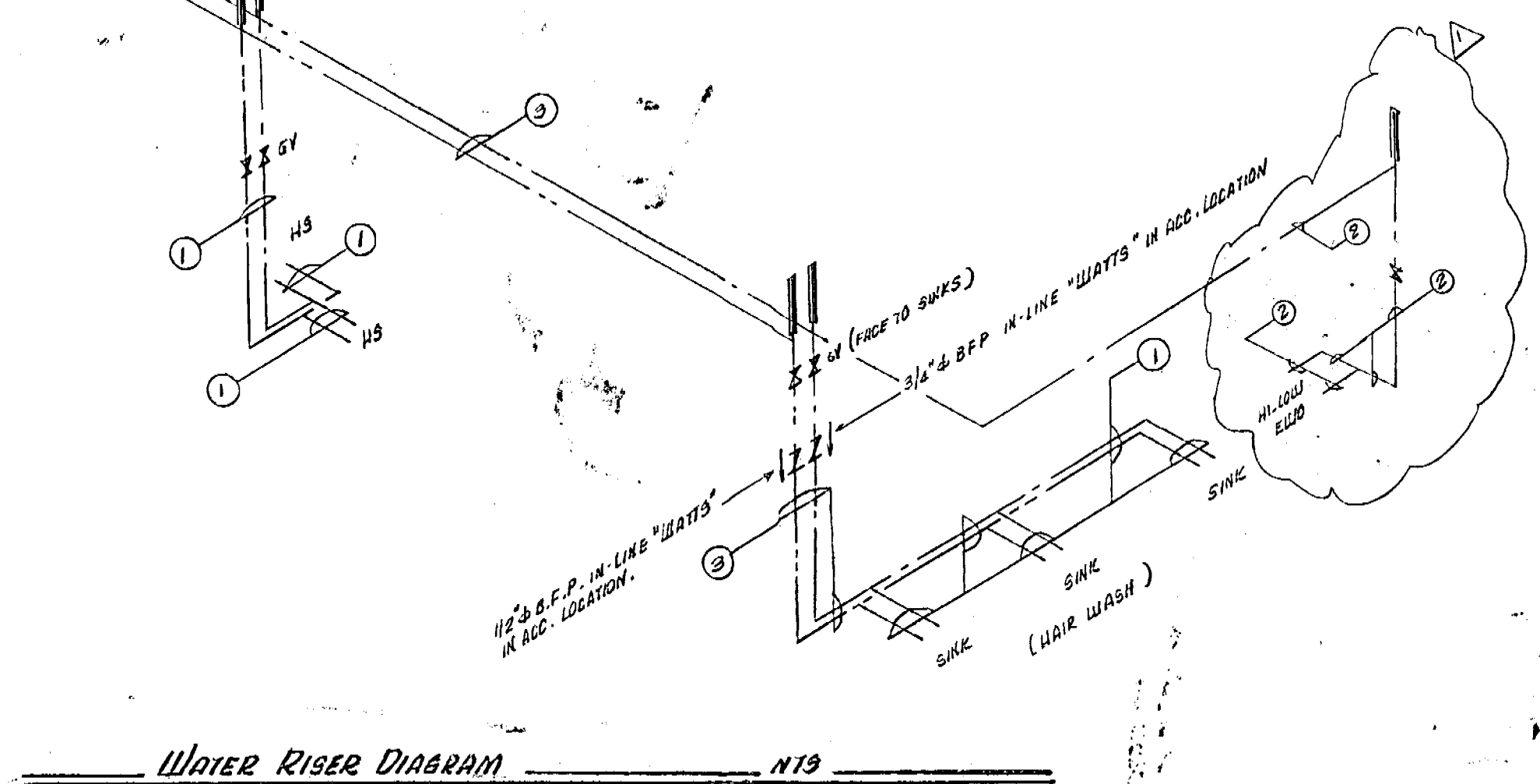
Sheet No. 6 of 7
P-1
1-2



SANITARY RISER DIAGRAM N15



WATER PIPING SIZE SCHEDULE	
1	1/2" CW (HW)
2	1/2" CW
3	3/4" CW — 1/2" HW
4	3/4" CW (HW)
5	1/2" HW
6	3/4" CW
7	1" CW



Water Riser Diagram N15

It is the responsibility of the engineer to ensure that the plans comply with the requirements of the applicable codes and regulations. The engineer shall be responsible for the accuracy of the information provided and for the results of the plans which are subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations.

RC ENGINEERING

175 FOUNTAINBLEAU BLVD. STE. 2-56A
MIAMI, FLORIDA 33172
PH: 305-229-3874
FAX: 305-229-2827

ENGINEERING

RENEWAL DAY SPA FOR:
JENNY VARGAS
4101 SHERIDAN AVENUE
MIAMI BEACH, FL. 33104

SEAL:

ROGER CAVARRA, P.E.
PROFESSIONAL ENGINEER
FL. LIC. # 50712
C.A. # 20554
DATE: 7-26-07

Revisions		
No.	Date	Description
1	7/26/07	P.D.C.

DATE: _____

DRAWN BY: J.B.

CHECKED BY: R.C.

SCALE: AS SHOWN

DATE: _____

DRAWN BY: _____

CHECKED BY: _____

SCALE: _____

CONTRACTOR AND ALL RIGHTS RESERVED. THESE SERVICES AND INFORMATION ARE PROVIDED FOR THE USE OF THE CLIENT AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED AND FOR THE RESULTS OF THE PLANS WHICH ARE SUBJECT TO COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.

Sheet No.

P-2

2-2

7



Derm Number: 2007-1213-1544-151
Contact Name: MS YENNY VARGAS
Contact Phone: (786)797-7901
Folio: 02-3222-001-0360
Project Name: RENEWAL DAY SPA
Date Received: 12/13/2007
Reviewer Name: ANDRES GONZALEZ

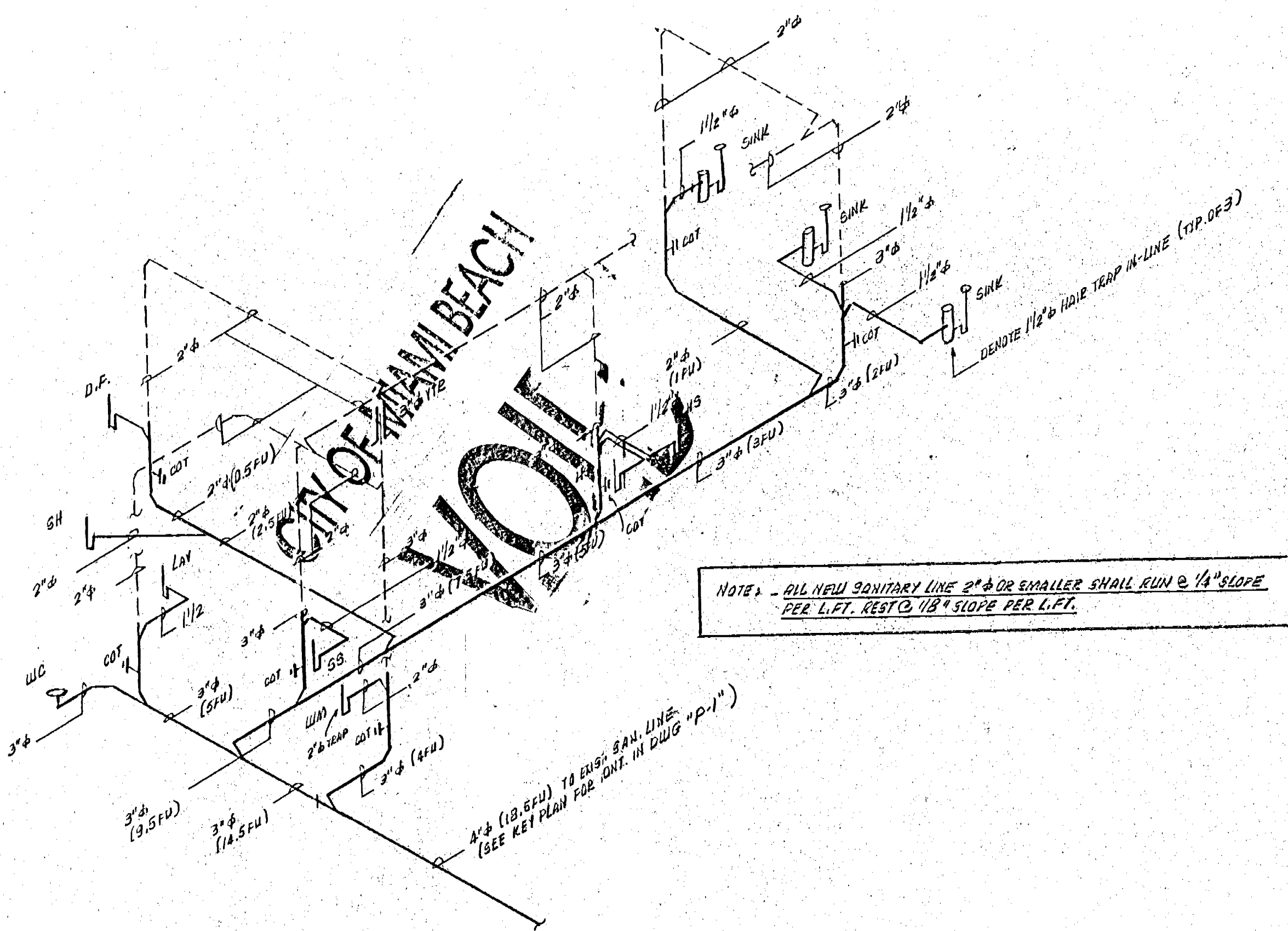
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THE FOLLOWING:
12/5/00

BUILDING: [unclear]
ZONING: [unclear]
PLUMBING: [unclear]
ELECTRICAL: [unclear]
MECHANICAL: [unclear]
FIRE PREVENTION: [unclear]
ENGINEERING: [unclear]
PUBLIC WORKS: [unclear]
CONSTRUCTION: [unclear]
ACCESSIBILITY: [unclear]

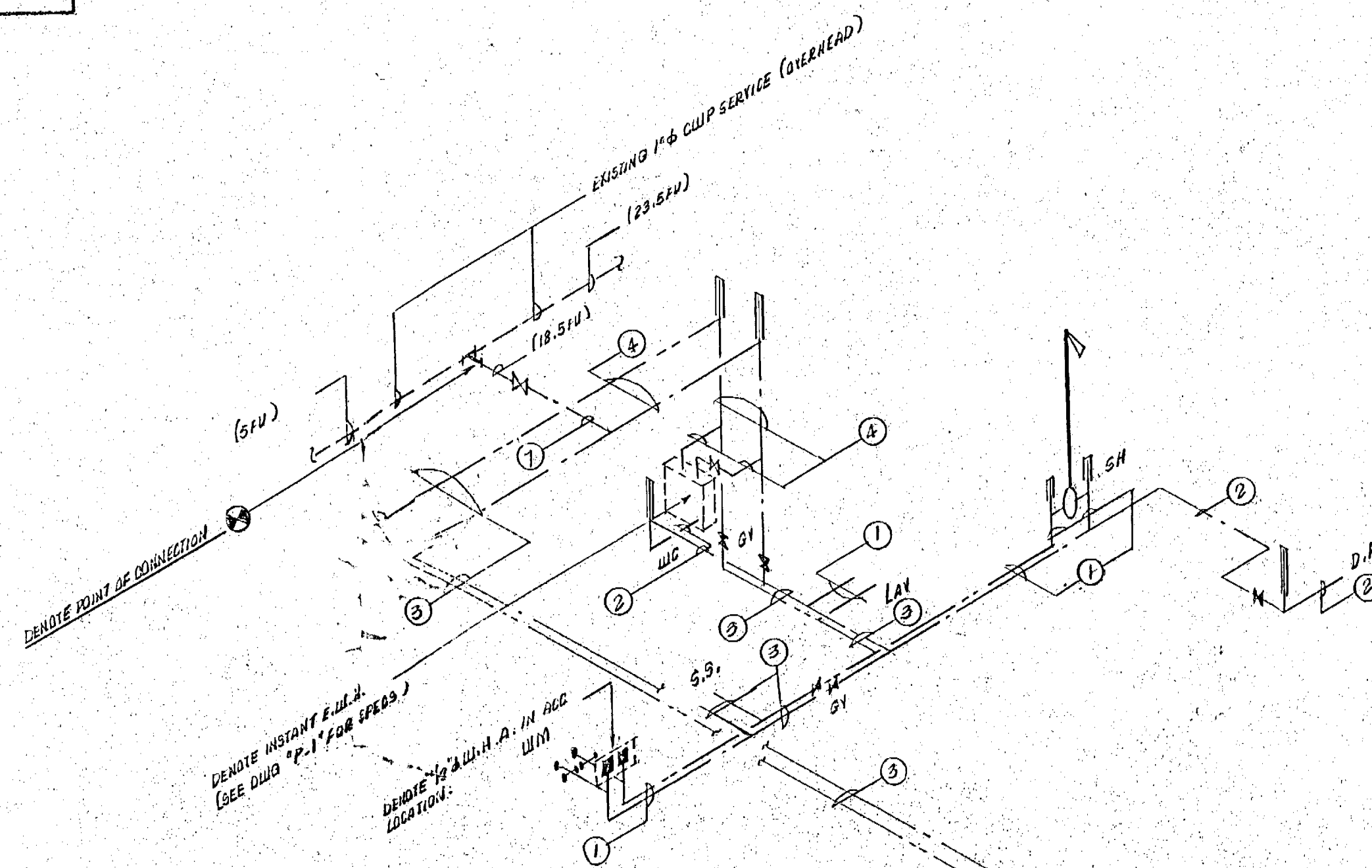
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333 W 41 St

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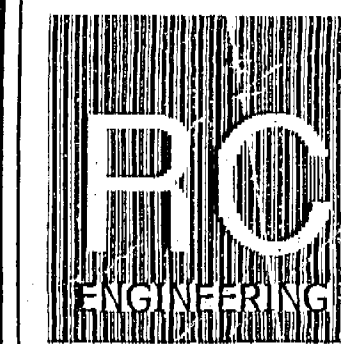


Sanitary Riser Diagram N13



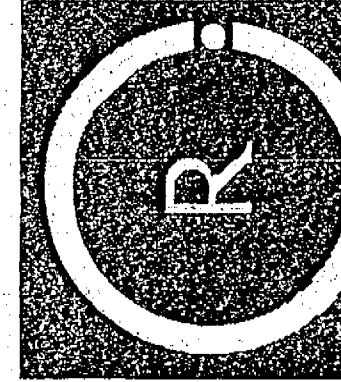
WATER PIPING SITE SCHEDULE	
1	1/2" CWI (H.W.)
2	1/2" CWI
3	3/4" CWI 1/2" HW
4	3/4" CWI (H.W.)
5	1/2" CWI
6	1/2" CWI
7	1" CWI

Water Riser Diagram N13



175 FOUNTAINVIEW BLVD. STE. 200
MIAMI, FLORIDA 33172
PH: 305-229-3874
FAX: 305-229-2827

ENGINEERING



RENEWAL DAY SPA FOR:
JENNY VARGAS
4101 SHERIDAN AVENUE
MIAMI BEACH, FL. 33104

DATE: 6.21.07
PROFESSIONAL ENGINEER
FL. LIC. # 50712
CA. # 26834

Revisions		
No.	Date	Description

DATE: 6.21.07
DRAWN BY: J.B.
CHECKED BY: R.C.
SCALE: AS SHOWN

CONTRACTOR AND ALL SUBS: THESE DRAWINGS AND SPECIFICATIONS ARE PREPARED BY THE ENGINEER AND ARE TO BE USED BY THE CONTRACTOR AND ALL SUBS IN THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR AND ALL SUBS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF THE PROJECT. THE CONTRACTOR AND ALL SUBS SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROJECT. THE CONTRACTOR AND ALL SUBS SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROJECT.

10

1010
CITY OF MIAMI BEACH
APR 10 1967

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

BUILDING
ZONING
DEVELOP
COMMER
COWARD
ELKTON
MECH
TIRE
ENGINE
PUB
STRU
CE
LEV

MIAMI BEACH

11/14/87

NO PERM 8/29/87

As per Florida Building Code Section 104.5.3
REVIEWED FOR CODE COMPLIANCE



MIAMI BEACH

BUILDING DEPARTMENT

1700 Convention Center Drive, 2nd Floor

Miami Beach, Fl, 33139

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

Owner/ Qualifier / Contractor Estimate Construction Cost Affidavit (To be submitted for the main/master permits or the stand alone permits)

Permit Number: B12029133

Date: 06/20/2012

Job Address: 333 W 41 Street

Folio No.: 22-22-01-0300

The construction cost should include the work under the main Permit and all associated permits.

Part I. FEMA 50% Related Construction Cost		
Items to be excluded from Estimate Construction Cost for Part I (FEMA 50% Related Construction Cost): Plan and Specification, Survey Cost, Permit Fees, Swimming Pools, detached structures (garages, storages, cabanas), Landscaping, Fences, Yard light, Not Built-ins Appliances and Furniture.		
Estimated Construction Cost	General Contractor Cost	Owner Cost
Demolition & Removal	1000.00	
Building & Structural Elements		
Roofing	0	
Doors & Windows	0	
Railing	0	
Interior Finish, Floor Covering, Painting	15,000	
Cabinets and Furniture-Built-Ins	4000	
Appliances-Built-Ins	0	
Other Building related Items	10,000	
Electrical including Fixtures	8,000.	
Elevator	0	
Mechanical-HVAC-equipments	1500	
Plumbing including Fixtures	500	
Overhead and Profit		
Sub Total Construction Cost	\$ 40,000.00	\$
Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes	\$ 40,000.00	



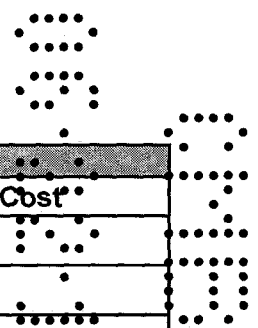
MIAMI BEACH

BUILDING DEPARTMENT

1700 Convention Center Drive, 2nd Floor

Miami Beach, FL 33139

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



Part II: Non Related FEMA 50% Construction Cost

Estimated Construction Cost	General Contractor Cost	Owner Cost
Swimming Pools	0	0
Fences, Pavers, Sidewalks, Site Improvements	0	0
Yard Light	0	0
Other and detached: garages, storage and cabanas	0	0
Sub Total Cost	\$ 0	\$ 0
Sub Total Construction Cost Estimate for non FEMA 50% Rule Purposes	\$ 0	0

Part III: Total Construction Cost (Note: The construction cost will be validated by Plan Examiners)

Estimated Construction Cost	
Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes-Part I	\$ 40,000 -
Sub Total Construction Cost Estimate for Non FEMA 50% Rule Purposes- Part II	\$ 0
Total Construction Cost Estimate. (Add Part I and Part II of Construction Cost)	\$ 40,000 -

Part IV: Signature Required

If the improvements cost will increase at any point during the proposed construction, it is Owner and the Contractor of Record responsibility to submit the revised improvements cost to the Building Department for review and approval.

[Signature]

Signature of Owner

STATE OF FLORIDA

COUNTY OF DADE

Sworn to and Subscribed before me this 19 day of JUNE 2012, by:

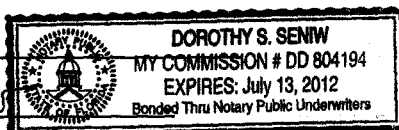
FRED STOCK

☒ Personally known ☐ Produced Identification - Type of

Identification

[Signature]

Signature of Notary Public





MIAMI BEACH

BUILDING DEPARTMENT

1700 Convention Center Drive, 2nd Floor

Miami Beach, FL 33139

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

Signature of Qualifier/ Contractor

STATE OF FLORIDA
COUNTY OF Dade

Sworn to and Subscribed before me this 19 day of June 20 12, by:

William J. Real

☒ Personally known ☐ Produced Identification - Type of

Identification P.K.

Signature of Notary Public



Part V: Building Department Use Only

A	Sub Total Construction Cost Estimate for FEMA 50% Rule Purposes.	\$	40,000 =
B	Over Five Year Improvements	\$	86,350 =
C	Total Improvements	\$	126,350 =
D	Building Tax Assessed Value	\$	3,763,750 =
E	Building Appraised Market Value	\$	
F	Improvements Cost Ratio (C/E or C/D)	%	3.4%

If Improvements cost exceed 40% of the Building Tax Value, a building appraised market Value is required for evaluation of Improvement Cost Ratio.

Check one box:

☐ New Construction and Substantial Improvement

☒ Existing Building and Non Substantial Improvement

Engineering Inspector Name

Engineering Inspector Signature and Date

Note: Over \$1,000,000.00 Improvements Cost requires Chief Governmental Compliance Division Approval, over \$50,000,000.00 Improvements Cost requires Building Director Approval.

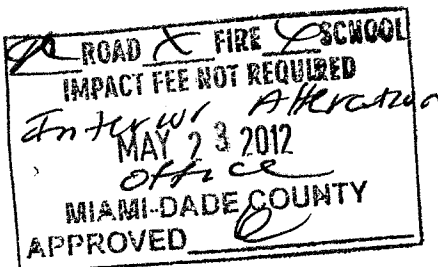
Name

Signature and Date

JCS
Interior
Renovation

333 41st Street
Miami Beach, FL 33140
Suites 208 & 210

March 16, 2012



48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE GIS-CALL 1-800-436-4770
CITY OF MIAMI BEACH 305-673-7080

Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR
OBTAINING BUILDING PERMITS ONLY.

All construction and/or use of equipment in the right-of-way and/or
easements, requires a separate Public Works Department permit prior
to start of construction.

Permit Requirements: Proof of existing sidewalk/sale area conditions
(pictures) and/or posting of sidewalk/roadway bonds
(Public Works inspection of the right-of-way will be required prior to
final sign-off on the C.C. / C.O., or the release of bonds.)

Approved/Reviewed By: 04-5-21-2012 Date: 04-5-21-2012

BARRERA
ARCHITECTURE
2121 Douglas Road, Suite 201
Miami, Florida 33145
305.441.1644

INDEX OF DRAWINGS:

- ARCHITECTURAL:
- A-0.1 GENERAL NOTES
 - A-1.0 FLOOR PLAN, RCP- DEMOLITION
 - A-1.0.1 LIFE SAFETY PLAN
 - A-1.1 FLOOR PLAN, RCP- NEW CONSTRUCTION
 - A-1.2 FURNITURE, POWER, VOICE/DATA PLAN
 - A-2.0 GENERAL MILLWORK, ELEVATIONS & SECTIONS
 - A-3.0 SCHEDULES

MECHANICAL:
M-1 MECHANICAL PLAN

- ELECTRICAL:
- E-1 POWER PLAN
 - E-2 LIGHTING PLAN

- PLUMBING:
P-1 PLUMBING PLAN
- CONCURRENCY:
ELECTRICAL: 05/21/12
MECHANICAL: 06/11/12
FIRE PREVENTION: 06/11/12
PUBLIC WORKS: 05-21-2012
STRUCTURAL: 05/21/12
ELEVATOR: 05/21/12

JCS
Interior
Renovation

333 41st Street
Miami Beach, FL 33140
Suites 208 & 210

March 16, 2012

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- M-1 MECHANICAL PLAN

- ELECTRICAL:
- E-1 POWER PLAN
 - E-2 LIGHTING PLAN

- PLUMBING:
- P-1 PLUMBING PLAN

BARRERA
ARCHITECTURE
2121 Douglas Road, Suite 201
Miami, Florida 33145
305.441.1644

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

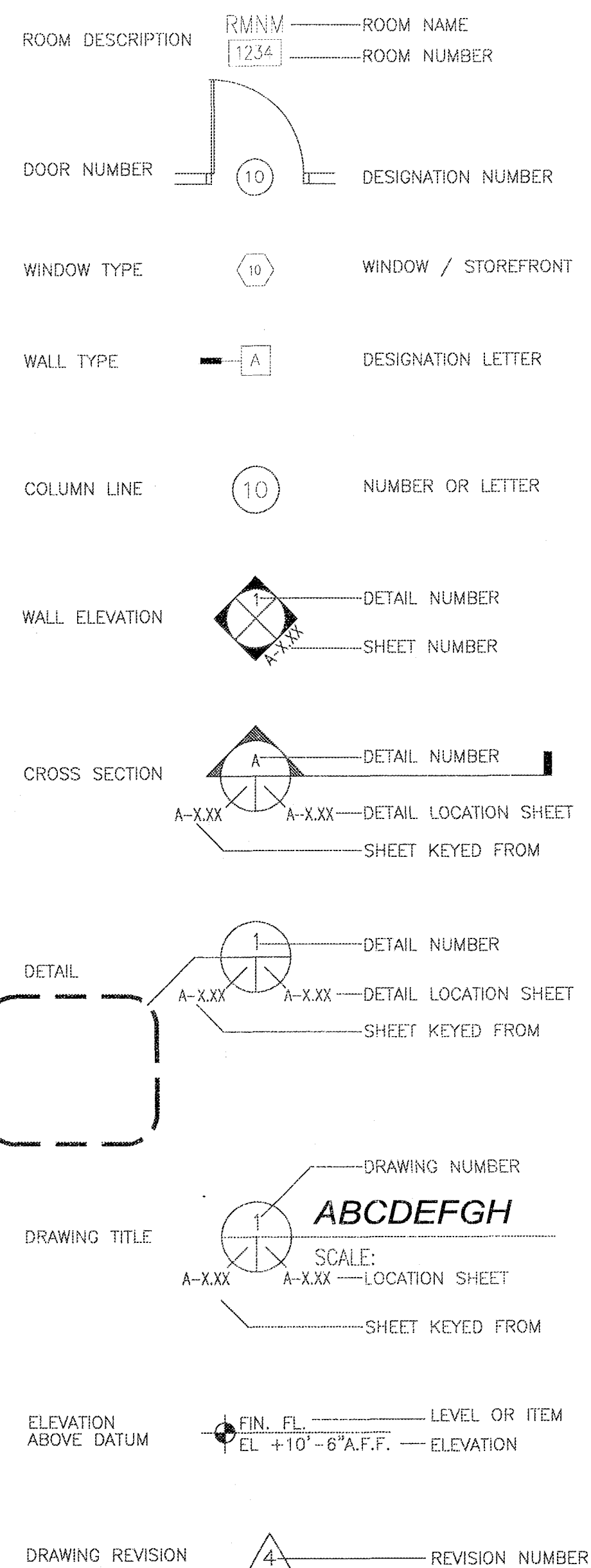


ANY CHANGES NOT CLOUDED
OR CLEARLY INDICATED ON
THIS SHEET ARE NOT VALID.
ORIGINAL SIGNATURE STAMP
REMAINS VALID

ABBREVIATIONS

A/C	AIR CONDITION, --ED, --ER, --ING	M.	MIRROR
ADJ.	ADJUSTABLE	MAT.	MATERIAL
A.F.F.	ABOVE FINISH FLOOR	MAX.	MAXIMUM
ALUM.	ALUMINUM	M.B.H.	MOP AND BROOM HOLDER
&	AND	MECH.	MECHANICAL
L	ANGLE	MANUF.	MANUFACTURER
APPROX.	APPROXIMATELY	M.O.	MANHOLE
@	AT	MIN.	MINIMUM
		MISC.	MISCELLANEOUS
BD.	BOARD	M.O.	MASONRY OPENING
BLDG.	BUILDING	M.R.	MOISTURE RESISTANT
BLK	BLOCK	MTD.	MOUNTED
BM.	BEAM	MTL.	METAL
B.M.	BENCH MARK		
		N.	NORTH
		N.I.C.	NOT IN CONTRACT
		NO., #	NUMBER
CAB.	CABINET		
C.BRD.	CHALKBOARD		
C.B.	CATCH BASIN		
C.M.B.	CEMENTITIOUS BOARD	O/C	ON CENTER
C.C.	CONTROL CENTER	O.D.	OUTSIDE DIAMETER
C.I.	CAST IRON	OPNG.	OPENING
C.J.	CONTROL JOINT		
C.	CENTER LINE		
CLO.	CLOSET	P.B.	PEGBOARD
C.L.P.	CONCRETE LIGHT POLE	PLBG	PROPERTY LINE OR PLATE
COL.	COLUMN	PLYWD.	PLYWOOD
CONC.	CONCRETE	P.P.	POWER POLE
CONST.	CONSTRUCTION	P.T.	PRESSURE TREATED
CONT.	CONTINUOUS	P.T.D.	PAPER TOWEL DISPENSER
CONTR.	CONTRACTOR	P.T.H.	PAPER TOWEL HOLDER
		P.V.C.	POLYVINYL CHLORIDE
D.F.	DRINKING FOUNTAIN	R., RAD.	RADIUS
DIA.	DIAMETER	R.C.P.	REINFORCED CONCRETE PIPE
DIM.	DIMENSION	R.D.	ROOF DRAIN
DN.	DOWN	RECT.	RECTANGULAR
DR.	DOOR	REINF.	REINFORCEMENT
DTL.	DETAIL	REQ'D.	REQUIRED
DWG.	DRAWING	RM.	ROOM
		R.O.	ROUGH OPENING
		R.Q.W.	RIGHT-OFF-WAY
E.	EAST		
EA.	EACH	S.	SOUTH
E.H.D.	ELECTRIC HAND DRYER	S.	SCHEDULE
E.J.	EXPANSION JOINT	S.D.	SOAP DISPENSER
ELEV.	ELEVATOR	S.H.	SOAP HOLDER
ENCL.	ENCLOSURE	SIMILAR	SIMILAR
EQ.	EQUAL	S.M.S.	STRUCTURAL METAL STUD
EQUIP.	EQUIPMENT	S.N.D.	SANITARY NAPKIN DISPOSAL
E.W.C.	ELECTRIC WATER COOLER	S.N.V.	SANITARY NAPKIN VENDOR
EXIST.	EXISTING	SPC.	SPACE
EXT.	EXTERIOR	SPECS.	SPECIFICATIONS
		SQ.	SQUARE
		S.S.	STAINLESS STEEL OR SERVICE SINK
		STD.	STANDARD
		STL.	STEEL
		STRUCT.	STRUCTURAL
		SW.	SWITCH
F.D.	FLOOR DRAIN	T.A.	TOILET
F.E.	FIRE EXTINGUISHER	T.B.D.	TACKBOARD
F.E.C.	FIRE EXTINGUISHER CABINET	T.B.	TOWEL BAR
F.E.L.	FIRE EXTINGUISHER LOCKER	T & G.	TONGUE AND GROOVE
F.H.	FIRE HYDRANT	T.O.S.	TOP OF STEEL/SLAB
F.H.C.	FIRE HOSE CABINET	T.P.H.	TOILET PAPER HOLDER
FIN.	FINISH	TYP.	TYPICAL
FL.	FLOOR		
F.M.	FRAMED MIRROR		
FT.	FEET	UR.	URINAL
FTG.	FOOTING		
GA.	GAUGE	VERT.	VERTICAL
GALV.	GALVANIZED	V.C.P.	VITREOUS CLAY PIPE
G.B.	GRAB BAR		
G.C.	GENERAL CONTRACTOR		
G.L.	GRID LINE		
G.W.B.	GYPSON WALL BOARD		
GYP.	GYPSON		
HCPD.	HANDICAPPED	W.	WEST
HRDW.	HARDWARE	W/	WITH
H.M.	HOLLOW METAL	W.C.	WATER CLOSET
HORIZ.	HORIZONTAL	W.D.	WINDOW DIMENSION
HT.	HEIGHT	W.H.	WATER HEATER
		W.R.	WASTE RECEPTACLE
I.D.	INSIDE DIAMETER		
INV.	INVERT		
INSUL.	INSULATION		
JT.	JOINT		
LAM.	LAMINATED		
LAV.	LAVATORY		
L.L.H.	LONG LEG HORIZONTAL		
L.L.V.	LONG LEG VERTICAL		
L.P.	LIGHT POLE		

DRAWING SYMBOLS:



DEMOLITION NOTES

- CONTRACTOR SHALL SUBMIT A SCHEDULE INDICATING PROPOSED SEQUENCE OF OPERATIONS FOR SELECTIVE DEMOLITION WORK TO OWNER'S REPRESENTATIVE AND ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO START OF WORK. INCLUDE COORDINATION FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES AS REQUIRED, TOGETHER WITH DETAILS FOR DUST AND NOISE CONTROL PROTECTION. INCLUDE SCHEDULE OF OPERATIONS TO INCLUDE HOURS PER DAY AND DAYS OF WEEK TO BE WORKED.
 - PROVIDE DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK TO ENSURE UNINTERRUPTED PROGRESS OF OWNER'S ON SITE OPERATIONS.
 - COORDINATE WITH OWNER'S CONTINUING OCCUPATION OF PORTIONS OF EXISTING BUILDING AND WITH OWNER'S PARTIAL OCCUPANCY OF COMPLETED REFURBISHED AREA.
- CONTRACTOR SHALL SUBMIT PHOTOGRAPHS OR VIDEO OF EXISTING CONDITIONS OF STRUCTURE SURFACES, EQUIPMENT, AND ADJACENT IMPROVEMENTS THAT MIGHT BE MISCONSTRUED AS DAMAGE RELATED TO REMOVAL OPERATIONS. CONTRACTOR SHALL ALSO SCHEDULE A SITE VISIT TO INCLUDE OWNER'S REPRESENTATIVE AND ARCHITECT FOR VERIFICATION OF THE WORKING CONDITION OF BUILDING SYSTEMS AFFECTED BY DEMOLITION WORK. FILE WITH ARCHITECT PRIOR TO START OF WORK.
- OCCUPANCY: OWNER WILL OCCUPY THE BUILDING DURING WHILE THE WORK IS BEING PERFORMED. CONDUCT SELECTIVE DEMOLITION WORK IN MANNER THAT WILL MINIMIZE THE NEED FOR DISRUPTION OF OWNER'S NORMAL OPERATIONS. PROVIDE MINIMUM OF 48 HOURS ADVANCE NOTICE TO OWNER OF DEMOLITION ACTIVITIES THAT WILL AFFECT OWNER'S NORMAL OPERATIONS.
- CONDITION OF STRUCTURES: OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF ITEMS OR STRUCTURES TO BE DEMOLISHED. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSES WILL BE MAINTAINED BY OWNER INsofar AS PRACTICABLE. HOWEVER, MINOR VARIATIONS WITHIN STRUCTURE MAY OCCUR.
- STORAGE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED.
- PROTECTIONS: PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT OWNER'S PERSONNEL AND GENERAL PUBLIC FROM INJURY DUE TO SELECTIVE DEMOLITION WORK.
 - PROVIDE PROTECTIVE MEASURES AS REQUIRED TO PROVIDE FREE AND SAFE PASSAGE OF OWNER'S PERSONNEL AND GENERAL PUBLIC TO OCCUPIED PORTIONS OF BUILDING.
 - PROTECT FROM DAMAGE EXISTING FINISH WORK THAT IS TO REMAIN IN PLACE AND BECOMES EXPOSED DURING DEMOLITION OPERATIONS.
 - PROTECT FLOORS/CARPETS WITH SUITABLE COVERINGS WHEN NECESSARY.
 - REMOVE PROTECTIONS AT COMPLETION OF WORK.
- PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION WORK.
- MAINTAIN EXISTING BUILDING SYSTEMS/UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
 - DO NOT INTERRUPT BUILDING SYSTEMS/UTILITIES SERVING OCCUPIED OR USED FACILITIES EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING BUILDING SYSTEMS/UTILITIES AS ACCEPTABLE TO GOVERNING AUTHORITIES.
 - MAINTAIN FIRE PROTECTION SERVICES DURING SELECTIVE DEMOLITION OPERATIONS.
- ENVIRONMENTAL CONTROLS: USE WATER SPRINKLING, TEMPORARY DEBRIS ENCLOSURES, AND OTHER METHODS TO LIMIT DUST AND DIRT MIGRATION. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
 - DO NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS FLOODING, POLLUTION AND DAMAGE TO EXISTING FINISHES.
- REMOVE FROM BUILDING SITE ON A DAILY BASIS, ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. TRANSPORT AND LEGALLY DISPOSE OF OFF SITE.
- WHEN REMOVING ELECTRICAL DEVICES THAT ARE INSTALLED IN PARTITIONS OR CEILINGS, THE ELECTRICAL CONTRACTOR SHALL DISCONNECT THEM UP THE THE NEXT OUTLET TO REMAIN OR BACK TO THE PANEL BOARD. IF EXISTING TO REMAIN OUTLETS ARE FED THROUGH DEMOLISHED PARTITIONS OR CEILINGS, THE CIRCUIT SHALL BE REARRANGED TO MAINTAIN CIRCUIT CONTINUITY. WIRES SHALL BE REMOVED FROM INACCESSIBLE RACEWAYS BACK TO SOURCE AND SHALL NOT BE REUSED. INSTALL BLANK PLATES ON FLUSH OUTLETS NOT BEING REUSED. PLATE COLOR SHALL MATCH ADJACENT SURFACE AS NEAR AS POSSIBLE IN FINISHED AREAS.
- ALL ELECTRICAL EQUIPMENT SHALL BE REMOVED. ALL ACCESSIBLE RACEWAYS, WIRES, BOXES, SWITCHES AND OTHER ELECTRICAL ITEMS ASSOCIATED WITH THIS WORK SHALL BE REMOVED.
- CONTRACTOR SHALL DEMOLISH ANY INTERIOR FINISHES TO COMPLETE THE NECESSARY AND PROPOSED WORK AS DIRECTED BY THE ARCHITECTURAL DRAWINGS, I
- ALL ELECTRICAL AND PLUMBING LINES WHICH REQUIRE REMOVAL OR ALTERATION ARE TO BE DONE SO BY THE CONTRACTOR. LINES TO BE CAPPED AND PREPARED FOR REMOVAL OR RE-ROUTING AS SPECIFIED ON THE PLANS.

GENERAL NOTES

- ALL WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH THE MOST RECENT EDITION OF THE FLORIDA BUILDING CODE, CITY LABOR LAWS, NATIONAL ELECTRICAL CODE, N.E.P.A. 101, O.S.H.A., A.D.A. & ALL OTHER APPLICABLE CODES, RULES AND REGULATIONS.
- THE CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE PROJECT THROUGH INSPECTION OF THE SITE, THE DRAWINGS AND SPECIFICATIONS, SO AS TO THOROUGHLY UNDERSTAND THE NATURE AND SCOPE OF THE WORK. ANY AMBIGUITIES OR CONFLICTS WITH THE CONSTRUCTION DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO SUBMISSION OF BID.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS TO CARRY OUT THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS. ALL REQUIRED PERMITS SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF WORK.
- EXISTING ELECTRICAL, MECHANICAL, LIFE SAFETY AND FIRE PROTECTION FIXTURES INCLUDING BUT NOT LIMITED TO, SURFACE/RECESSED LIGHT FIXTURES, LIGHT/EQUIPMENT SWITCHES, H.V.A.C. REGISTERS, THERMOSTATS, ACCESS PANELS, INTERCOM SPEAKERS, FIRE ALARM, HORNS/STROBES/ SWITCHES, HEAT/SMOKE DETECTORS, CONCEALED/ EXPOSED FIRE SPRINKLER HEADS AND ASSOCIATED PIPING, DUCTWORK AND ORNAMENTAL FIXTURES ARE TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AS REQUIRED OF EXISTING FIXTURES TO ACCOMPLISH DEMOLITION WORK AND NEW CONSTRUCTION WORK INDICATED IN THE CONSTRUCTION DOCUMENTS. FURTHER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REINSTALLATION OF EXISTING FIXTURES IN GOOD WORKING ORDER (TO MATCH ORIGINAL INSTALLATION) UPON COMPLETION OF REPAIR WORK.
- ALL DIMENSIONS PROVIDED ARE APPROXIMATE. CONTRACTOR SHALL VERIFY DIMENSIONS WITH EXISTING FIELD CONDITIONS.
- CONTRACTOR SHALL PROVIDE A MINIMUM 72 HOUR WRITTEN NOTICE TO THE OWNER'S REPRESENTATIVE IN ADVANCE OF ANY ACTIVITY WHICH WILL AFFECT EXISTING BUILDING OPERATIONS.
-
- CONTRACTOR SHALL PROTECT ALL EXISTING FLOOR SURFACES WITH A MEANS OF CONTAINMENT TO PREVENT SOILING OF THE FLOOR. IN ADDITION, THE CONTRACTOR SHALL PROVIDE SHEATHING OVER THE FLOOR AT ALL TRAFFIC AREAS AND THOSE AREAS EXPOSED TO EQUIPMENT, SCAFFOLDING AND CONSTRUCTION DEBRIS.
- THE CONTRACTOR SHALL PROVIDE A MEANS OF CONTAINMENT TO PREVENT DUST AND DEBRIS MIGRATION TO ADJACENT AREAS. CONTRACTOR SHALL NOT COMPROMISE THE EXISTING FIRE/FLAME SPREAD RATINGS OR MEANS OF EGRESS WITHIN THE CONSTRUCTION AREAS AND ADJACENT AREAS AFFECTED BY CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL MAINTAIN ALL COMPONENTS FOR MEANS OF EGRESS FREE OF OBSTRUCTIONS AND ACCESSIBLE AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN ALL LIFE SAFETY AND FIRE PROTECTION SYSTEMS OPERATIONAL AT ALL TIMES.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING FIRE RATINGS AT NEW CONSTRUCTION.
- CONTRACTOR SHALL MAKE ALLOWANCES FOR ALL WORK WHICH IMPACTS THE DAILY OPERATIONS OF THE FACILITY AND WHICH MUST BE ACCOMPLISHED AT THE TIMES OTHER THAN NORMAL WEEKDAY WORKING HOURS
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF EXISTING FINISHES DAMAGED DURING CONSTRUCTION

CODE INFORMATION

- GENERAL INFORMATION
- APPLICABLE CODES
 - 2010 FLORIDA BUILDING CODE
 - 2009 NATIONAL ELECTRIC CODE
 - 2009 N.E.P.A. 101 O.S.H.A. CODE UPDATE
 - 2010 FLORIDA FIRE PREVENTION CODE
 - 2012 FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION

B. BUILDING CLASSIFICATION

- OCCUPANCY TYPE: GROUP B BUSINESS AREA

TYPES OF CONSTRUCTION- FIRE RATING REQUIREMENTS

- MINIMUM CORRIDOR WIDTH- 36" (SECTION 1016.2)

FIRE PROTECTION SYSTEMS

- FIRE EXTINGUISHERS AT 75'-0" MAX. PATH OF TRAVEL FROM ANY POINT IN THE SPACE

- FIRE ALARM SYSTEM: PROVIDED (SECTION 907.2.2) SEE SHEET E-2.

WALL AND CEILING FINISHES

- ROOMS AND ENCLOSED SPACES- CLASS C- ALL MATERIALS PROVIDED CLASS C TEXTILE WALL COVERINGS (SECTION 603.6.1)- CLASS A- NON USED

- INTERIOR FLOOR FINISH SHALL COMPLY WITH THE FLORIDA FIRE PREVENTION CODE 2010 ED., CHAPTER 10, & TABLE A.10.2.2 FOR EXISTING FINISHES.

SCOPE OF WORK:

- 1931 SQ FT OF NEW TENANT IMPROVEMENT WORK AS DEFINED BY EXISTING EXTERIOR WALLS AND EXISTING INTERIOR DEMISING PARTITIONS PER FBC 2010 401.1

COMPLIANCE METHOD:

- THE PRESCRIPTIVE COMPLIANCE METHOD AS PER FBC 2010 EXISTING CHAPTER 3.

ALTERATION LEVEL:

- LEVEL 2

PROJECT:

JCS

JEWISH COMMUNITY SERVICES

333 41ST.
MIAMI BEACH, FLORIDA
SUITES 208 & 210

MANAGEMENT:

BLDG. DEPT. REVISIONS	DATE
1	05/04/12
2	06/04/12
3	06/20/12

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REVISIONS DATE

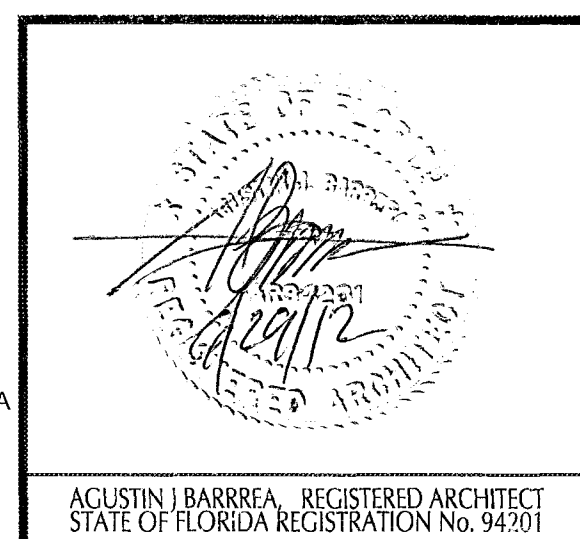
DATE: 03/16/2012

PROJECT No.: 1016.00

DRAWN BY: A. DIAZ

CHECKED BY: A. BARRERA

BARRERA ARCHITECTURE, INC. 2011



SHEET TITLE:

GENERAL NOTES

SHEET No:

A-0.1

City of Miami Beach
Fire Prevention Division
PLAN APPROVAL

DESIGN TEAM:

BARRERA

ARCHITECTURE

ARCHITECTURE • PLANNING • INTERIORS

2121 Douglas Road, Miami, FL 33145 (305) 441-1644

PROJECT:

JCS

JEWISH COMMUNITY SERVICES

333 41ST.
MIAMI BEACH, FLORIDA
SUITES 208 & 210

MANAGEMENT:

BLDG. DEPT. REVISIONS	05/04/12
BLDG. DEPT. REVISIONS	06/20/12
#	REVISIONS
DATE:	03/16/2012
PROJECT No.:	1016.00
DRAWN BY:	A. DIAZ
CHECKED BY:	A. BARRERA

STATE OF FLORIDA

AGUSTIN BARRERA

REGISTERED ARCHITECT

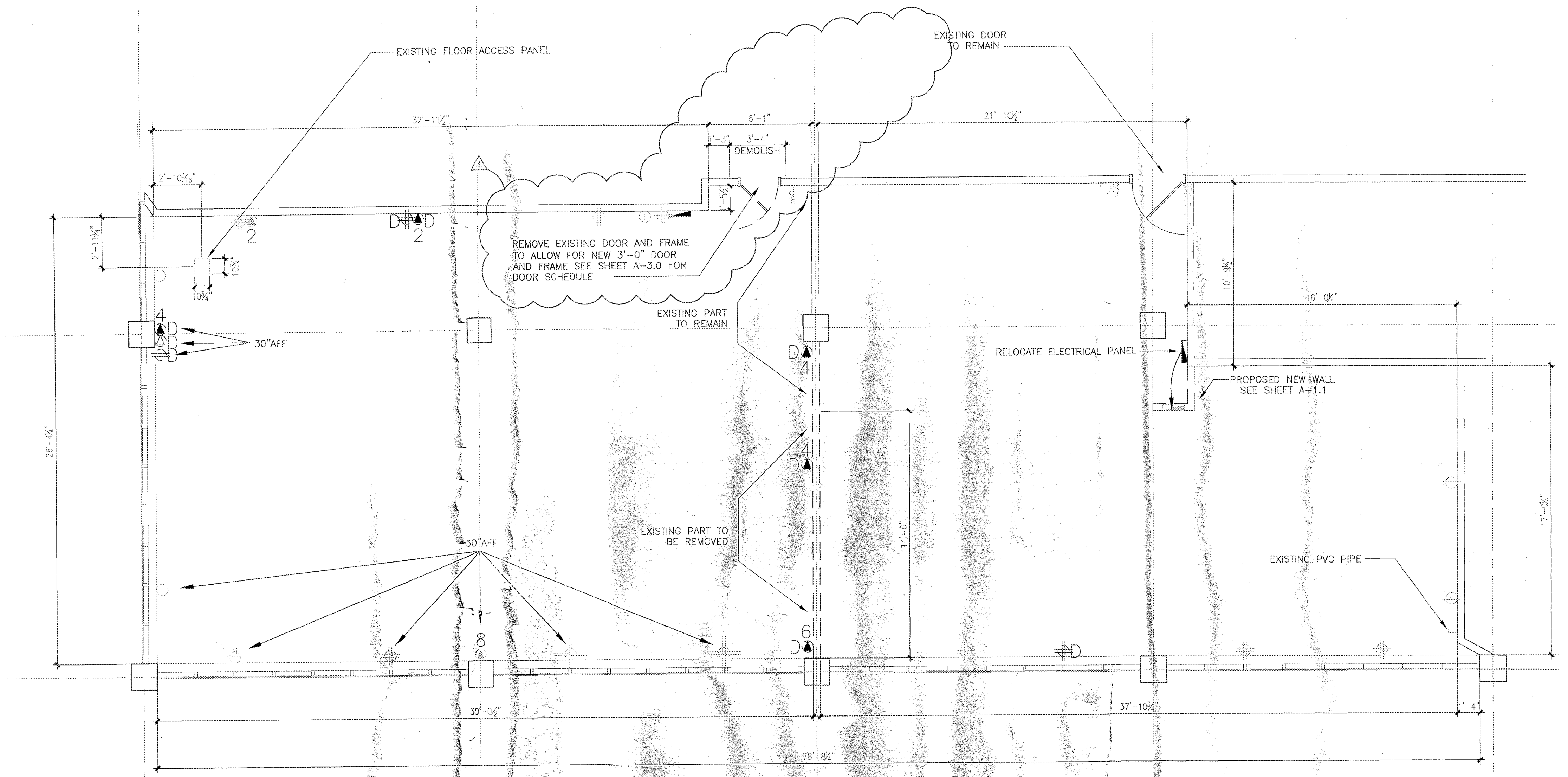
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SHEET TITLE:

FLOOR PLAN & REFLECTED CEILING PLAN DEMOLITION

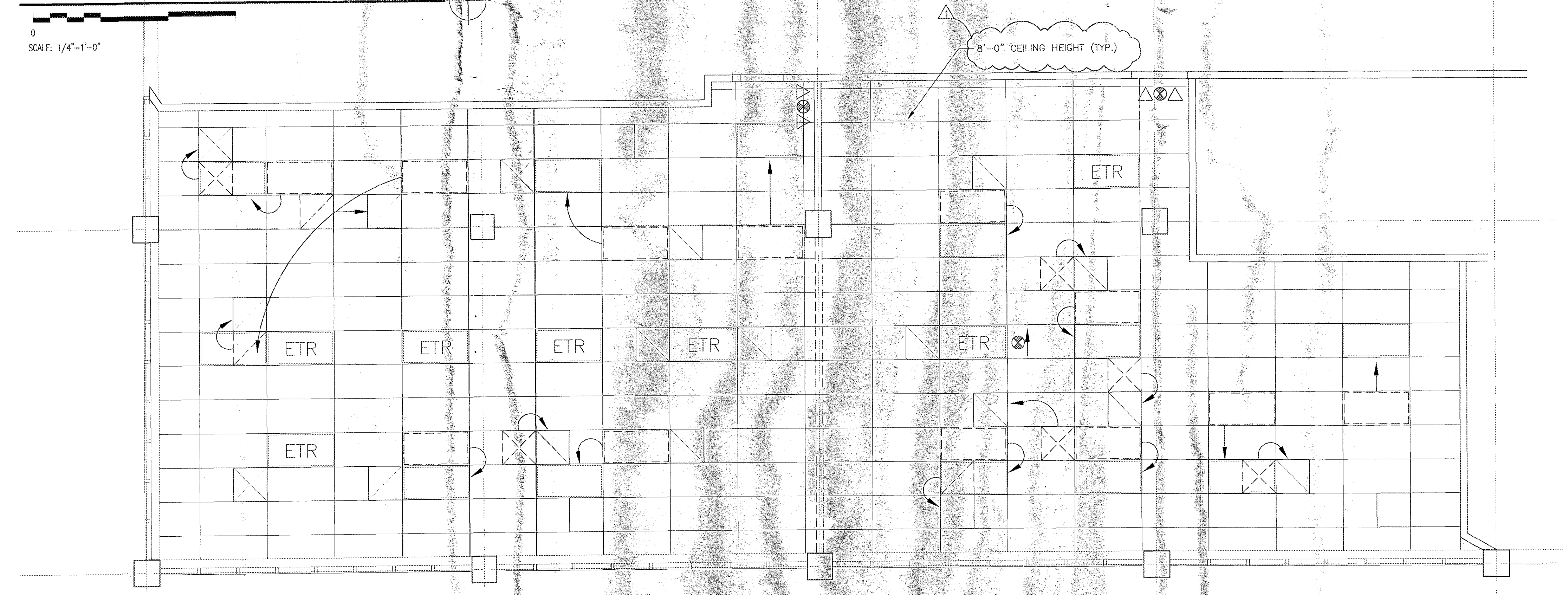
SHEET No:

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FLOOR PLAN - DEMOLITION

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



REFLECTED CEILING PLAN - DEMOLITION

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

- LEGEND:
- ETR EXISTING FIXTURE TO REMAIN
 - EXISTING FIXTURE TO BE RELOCATED AS SHOWN
 - HVAC SUPPLY - REFER TO MEP DWGS.
 - HVAC RETURN - REFER TO MEP DWGS.
 - EXISTING HVAC SUPPLY TO BE RELOCATED AS SHOWN
 - EXISTING HVAC RETURN TO BE RELOCATED AS SHOWN
 - EXISTING 2' X 4' TILE AND GRID
 - EXISTING EXIT LIGHT & EMERGENCY LIGHTING
 - EXISTING THERMOSTAT - REFER TO MEP DWGS.
 - EXISTING GWB CLAD STRUCTURAL COLUMN
 - EXISTING ELECTRICAL PANEL - REFER TO MEP DWGS.
 - EXISTING PARTITION TO REMAIN
 - EXISTING PARTITION TO BE REMOVED
 - LIGHT SWITCH
 - EXISTING QUAD RECEPTACLE - REFER TO MEP DWGS.
 - EXISTING DUPLEX RECEPTACLE - REFER TO MEP DWGS.
 - EXISTING DATA - REFER TO MEP DWGS.
 - EXISTING VOICE - REFER TO MEP DWGS.
 - EXISTING BLANK PANEL - REFER TO MEP DWGS.
 - DEMOLISH QUAD RECEPTACLE
 - DEMOLISH DUPLEX RECEPTACLE
 - DEMOLISH DATA
 - DEMOLISH VOICE

City of Miami Beach
Fire Prevention Division
PLANS APPROVAL



CODE INFORMATION

GENERAL INFORMATION

- A. APPLICABLE CODES
 1. 2010 FLORIDA BUILDING CODE
 2. 2009 NATIONAL ELECTRIC CODE
 3. 2009 N.F.P.A. 101 03 ED. CODE UPDATE
 4. 2010 FLORIDA FIRE PREVENTION CODE
 5. 2012 FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION

B. BUILDING CLASSIFICATION

1. OCCUPANCY TYPE:
 GROUP B BUSINESS AREA

TYPES OF CONSTRUCTION- FIRE RATING REQUIREMENTS

- A. MINIMUM CORRIDOR WIDTH- 36" (SECTION 1016.2)

FIRE PROTECTION SYSTEMS

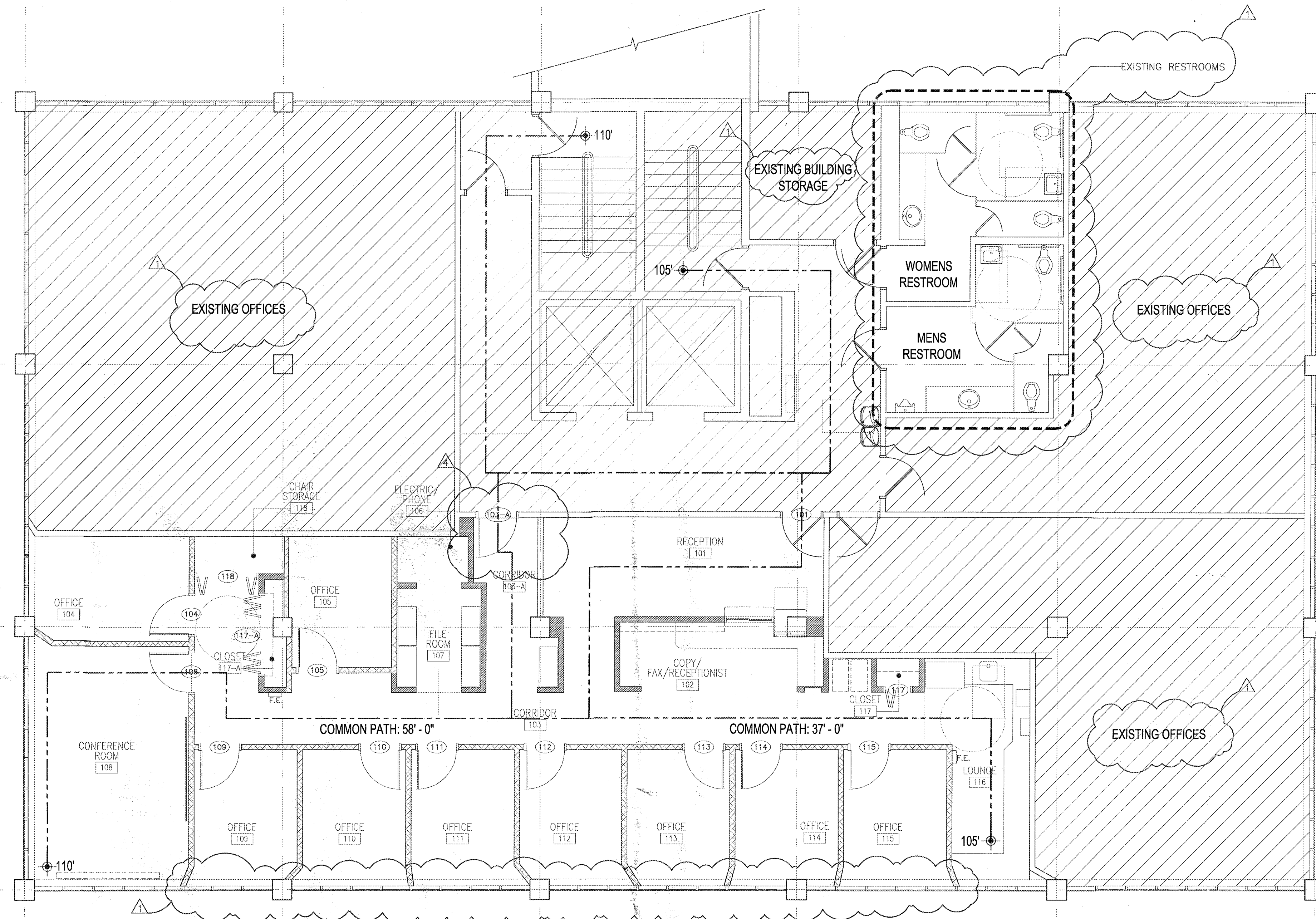
- A. FIRE EXTINGUISHERS AT 75'-0" MAX. PATH OF TRAVEL FROM ANY POINT IN THE SPACE
 B. FIRE ALARM SYSTEM: PROVIDED (SECTION 907.2.2) SEE SHEET E-2.

WALL AND CEILING FINISHES

- A. ROOMS AND ENCLOSED SPACES- CLASS C- ALL MATERIALS PROVIDED CLASS C TEXTILE WALL COVERINGS (SECTION 803.6.1)- CLASS A- NON USED
 B. INTERIOR FLOOR FINISH SHALL COMPLY WITH THE FLORIDA FIRE PREVENTION CODE 2010 ED., CHAPTER 10, & TABLE A.10.2.2 FOR EXISTING BUSINESS.

SCOPE OF WORK:

1931 SQ. FT. OF NEW TENANT IMPROVEMENT WORK AS DEFINED BY EXISTING EXTERIOR WALLS AND EXISTING INTERIOR DEMISING PARTITIONS PER FBC 2010 401.1



LIFE SAFETY PLAN

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

LIFE SAFETY ANALYSIS

FLORIDA BUILDING CODE'S TRAVEL DISTANCE AND EXITS						
OCCUPANCY CLASSIFICATION	MAXIMUM DISTANCE TO TRAVEL EXIT (FT)	REQUIRED EGRESS CAPACITY (TABLE 1005.1)	EXIT CAPACITY REQUIRED	EXIT CAPACITY PROVIDED	REQUIRED MIN. NUMBER OF EXITS	PROVIDED NUMBER OF EXITS
B	200'	21 X 0.2" = 4"	21	5.33'/0.2" = 320	1	2
OCCUPANT LOAD						
SQFT / OCCUPANT	AREA (SQ. FT)	OCCUPANT LOAD				
100 SF	2005 SF	21 PERSONS				

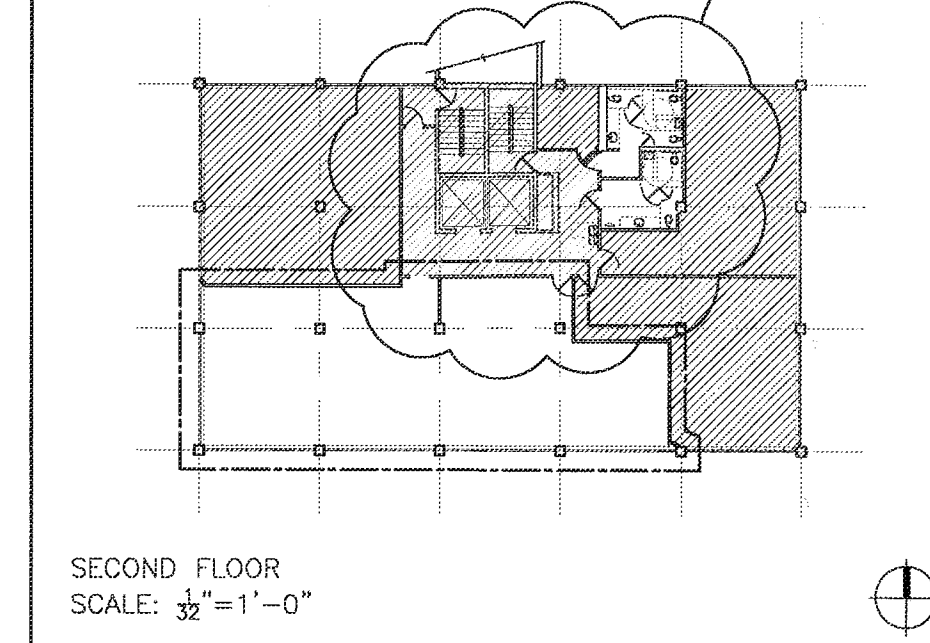
LIFE SAFETY LEGEND

TRAVEL DISTANCE

F.E.C. SEMI-RECESSED FIRE EXTINGUISHER CABINET FOR A.B.C. TYP. FIRE EXTINGUISHER

NOTES:
 -STAIRS AND BUILDING ARE EXISTING
 -REFER TO ELECTRICAL FOR EXIT LIGHTS, EMERGENCY LIGHTING, FIRE DETECTION SYSTEM, & FIRE ALARM SYSTEM

KEY PLAN



City of Miami Beach
 Fire Prevention Division
 PLANS APPROVED

DESIGN TEAM:

BARRERA
 ARCHITECTURE
 ARCHITECTURE • PLANNING • INTERIORS
 2121 Douglas Road, Miami, FL 33145 (305) 441-1644

PROJECT:

JCS

JEWISH COMMUNITY SERVICES

333 41ST.
 MIAMI BEACH, FLORIDA
 SUITES 208 & 210

MANAGEMENT:

BLDG. DEPT. REVISIONS	05/04/12
BLDG. DEPT. REVISIONS	06/04/12
BLDG. DEPT. REVISIONS	06/20/12

REVISIONS DATE

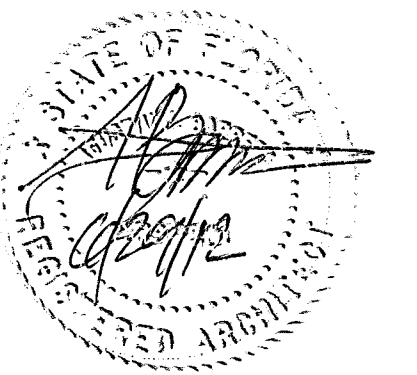
DATE: 03/16/2012

PROJECT No.: 1016.00

DRAWN BY: A. DIAZ

CHECKED BY: A. BARRERA

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SHEET TITLE:

LIFE SAFETY PLAN

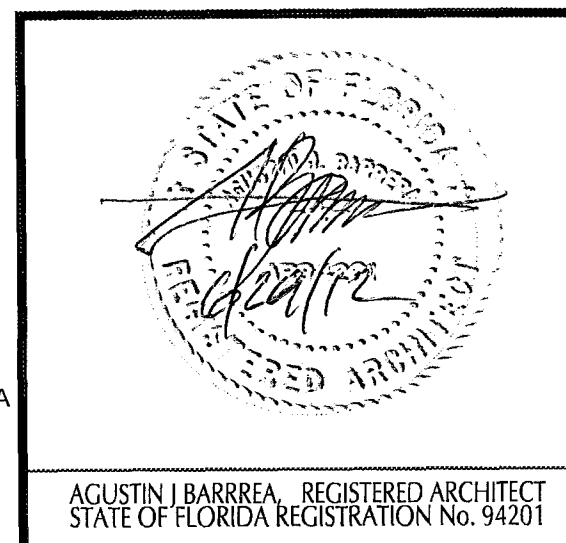
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2	CLIENT REQUEST	05/11/12
3	BLDG. DEPT. REVISIONS	06/04/12
4	BLDG. DEPT. REVISIONS	06/20/12

DATE: 03/16/2012
 PROJECT No.: 1016.00
 DRAWN BY: A. DIAZ
 CHECKED BY: A. BARRERA

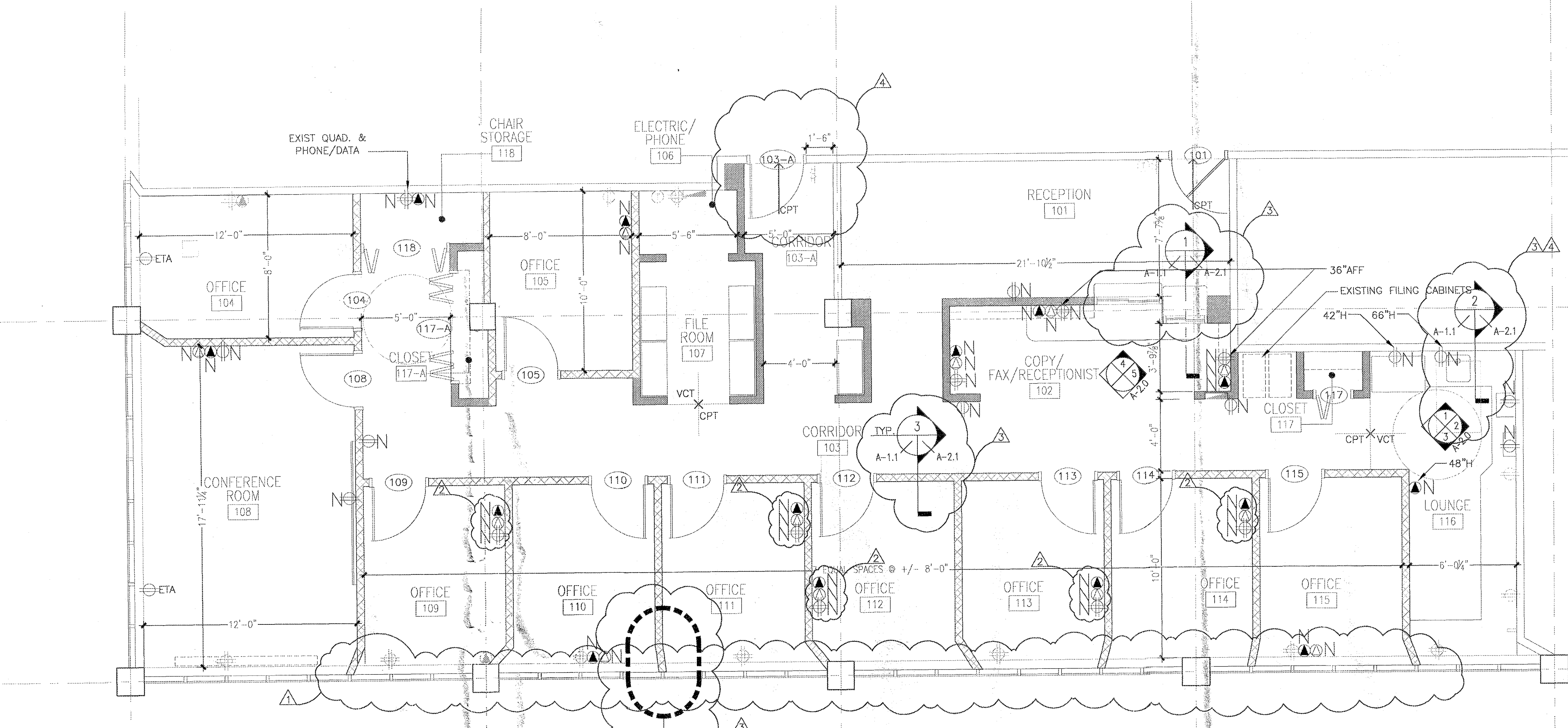


SHEET TITLE:
**FLOOR PLAN &
 REFLECTED CEILING
 PLAN NEW
 CONSTRUCTION**

SHEET No:
A-1.1

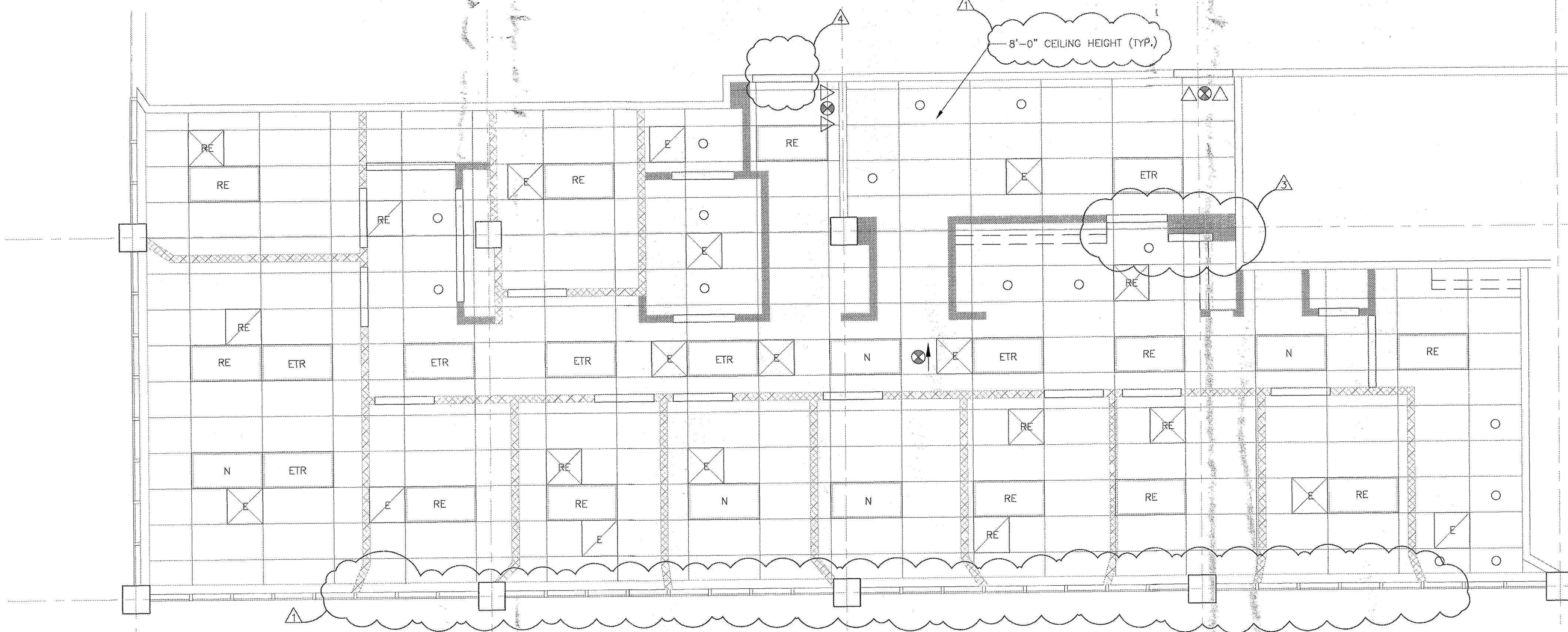
LEGEND:

- ETR EXISTING TO REMAIN
 - N NEW FIXTURE, TO MATCH EXISTING
 - RE RELOCATED FIXTURE
 - NEW CF DOWN LIGHT
 - UNDER CABINET FIXTURE "LITTLE INCH" OR EQUAL
 - EXISTING HVAC SUPPLY
 - EXISTING HVAC RETURN
 - RELOCATED HVAC SUPPLY
 - RELOCATED HVAC RETURN
 - EXISTING 2' X 4' TILE AND GRID TO REMAIN
 - EXISTING EXIT LIGHT & EMERGENCY LIGHTING
 - NEW EXIT LIGHT & EMERGENCY LIGHTING
 - EXISTING THERMOSTAT - REFER TO MEP DWGS.
 - EXISTING GWB CLAD STRUCTURAL COLUMN
 - EXISTING ELECTRICAL PANEL - REFER TO MEP DWGS.
 - EXISTING PARTITION TO REMAIN
 - NEW PARTITION W/ 3/4" THICK R-15 BLANKET INSULATION & 3/8" THICK R-15 BLANKET INSULATION IN PLENUM 2'-6" EACH SIDE OF PARTITION
 - NEW PARTITION - 5/8" G.W.B. ON EACH SIDE OF 3/8" MTL. STUDS @ 24" O/C
 - LIGHT SWITCH
 - EXISTING QUAD RECEPTACLE - REFER TO MEP DWGS.
 - EXISTING DUPLEX RECEPTACLE - REFER TO MEP DWGS.
 - EXISTING DATA - REFER TO MEP DWGS.
 - EXISTING VOICE - REFER TO MEP DWGS.
 - EXISTING BLANK PANEL - REFER TO MEP DWGS.
 - EXISTING BLANK PANEL/J-BOX TO BE ACTIVATED
 - EXISTING TO BE REMOVED
 - NEW QUAD RECEPTACLE
 - NEW DUPLEX RECEPTACLE
 - NEW DATA
 - NEW VOICE
- NOTE: EXISTING SUSPENSION WIRES MUST BE MINIMUM 12 GAGE WHEN SPACED 4'-0" OR 10 GAGE AT 5'-0"



FLOOR PLAN - NEW CONSTRUCTION

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



RCP - NEW CONSTRUCTION

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

LEGEND:

- ⊕ LIGHT SWITCH
- ⊕ EXISTING QUAD RECEPTACLE — REFER TO MEP DWGS.
- ⊕ EXISTING DUPLEX RECEPTACLE — REFER TO MEP DWGS.
- ⊕ EXISTING DATA — REFER TO MEP DWGS.
- ⊕ EXISTING VOICE — REFER TO MEP DWGS.
- ⊕ EXISTING BLANK PANEL — REFER TO MEP DWGS.
- ⊕ ETA EXISTING BLANK PANEL/J-BOX TO BE ACTIVATED
- ⊕ ETBR EXISTING TO BE REMOVED
- ⊕ D DEMOLISH QUAD RECEPTACLE
- ⊕ D DEMOLISH DUPLEX RECEPTACLE
- ⊕ D DEMOLISH DATA
- ⊕ D DEMOLISH VOICE
- ⊕ N NEW QUAD RECEPTACLE
- ⊕ N NEW DUPLEX RECEPTACLE
- ⊕ N NEW DATA
- ⊕ N NEW VOICE

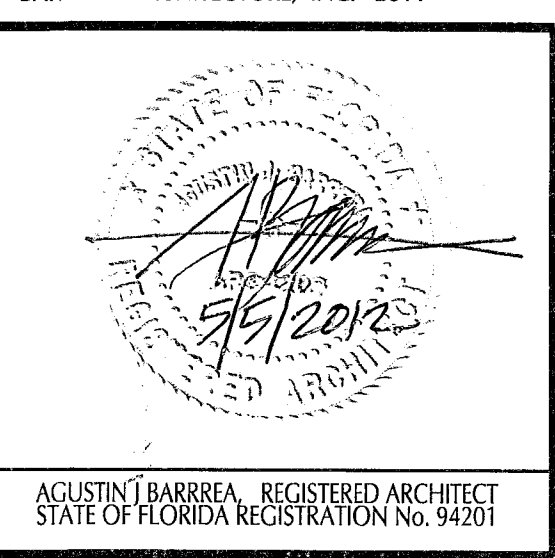
PROJECT:
JCS
 JEWISH COMMUNITY SERVICES
 333 41ST.
 MIAMI BEACH, FLORIDA
 SUITES 208 & 210

MANAGEMENT:

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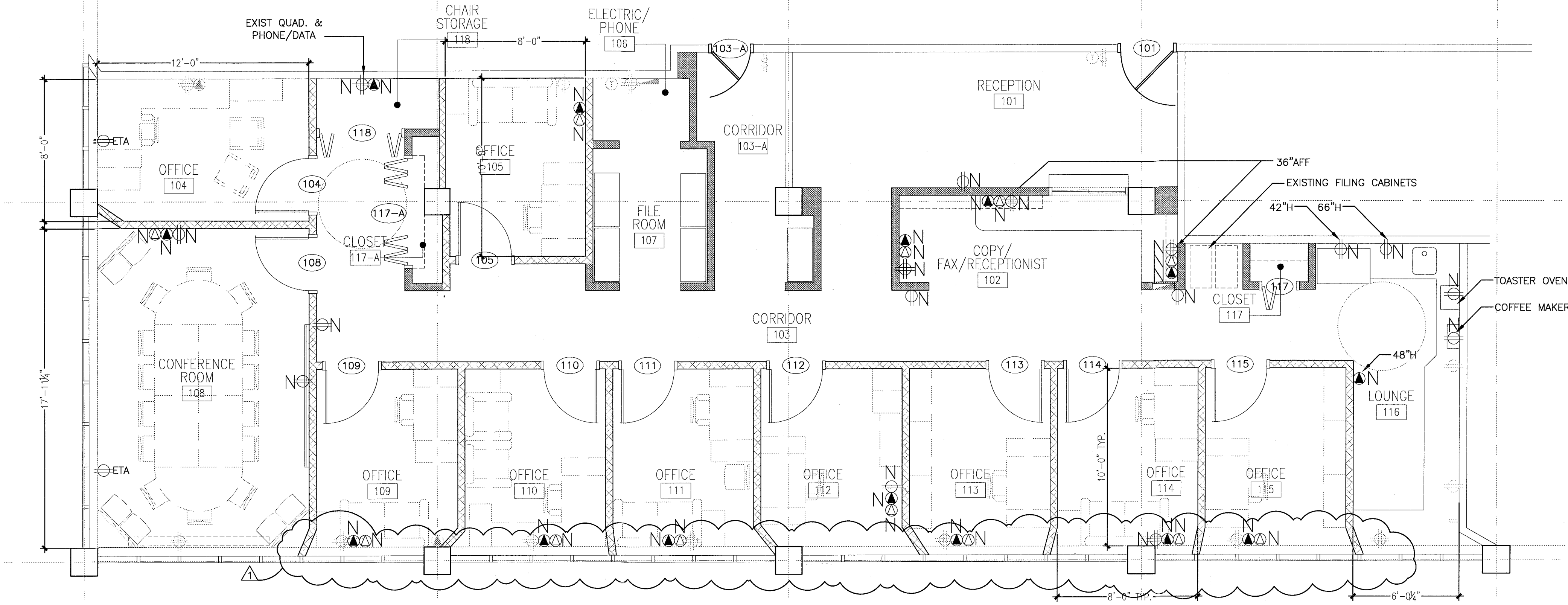
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DATE: 03/16/2012
 PROJECT No.: 1016.00
 DRAWN BY: A. DIAZ
 CHECKED BY: A. BARRERA
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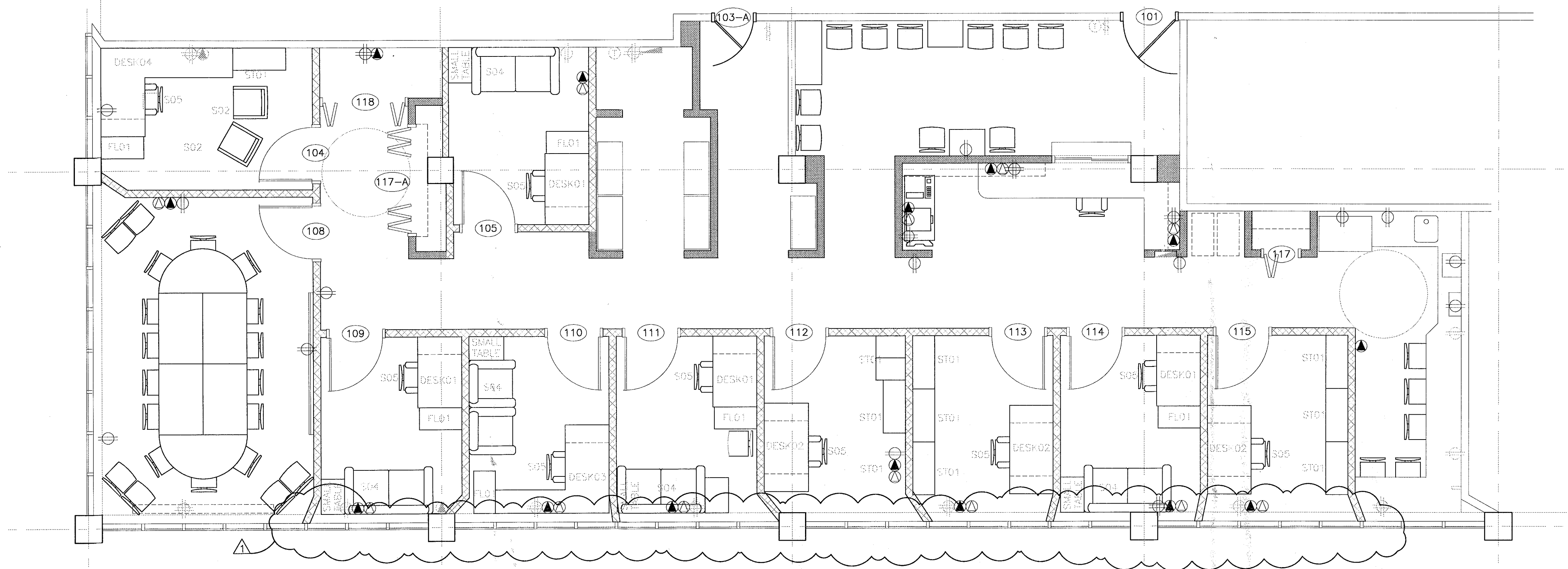


SHEET TITLE:
FURNITURE & POWER/VOICE/ DATA PLAN

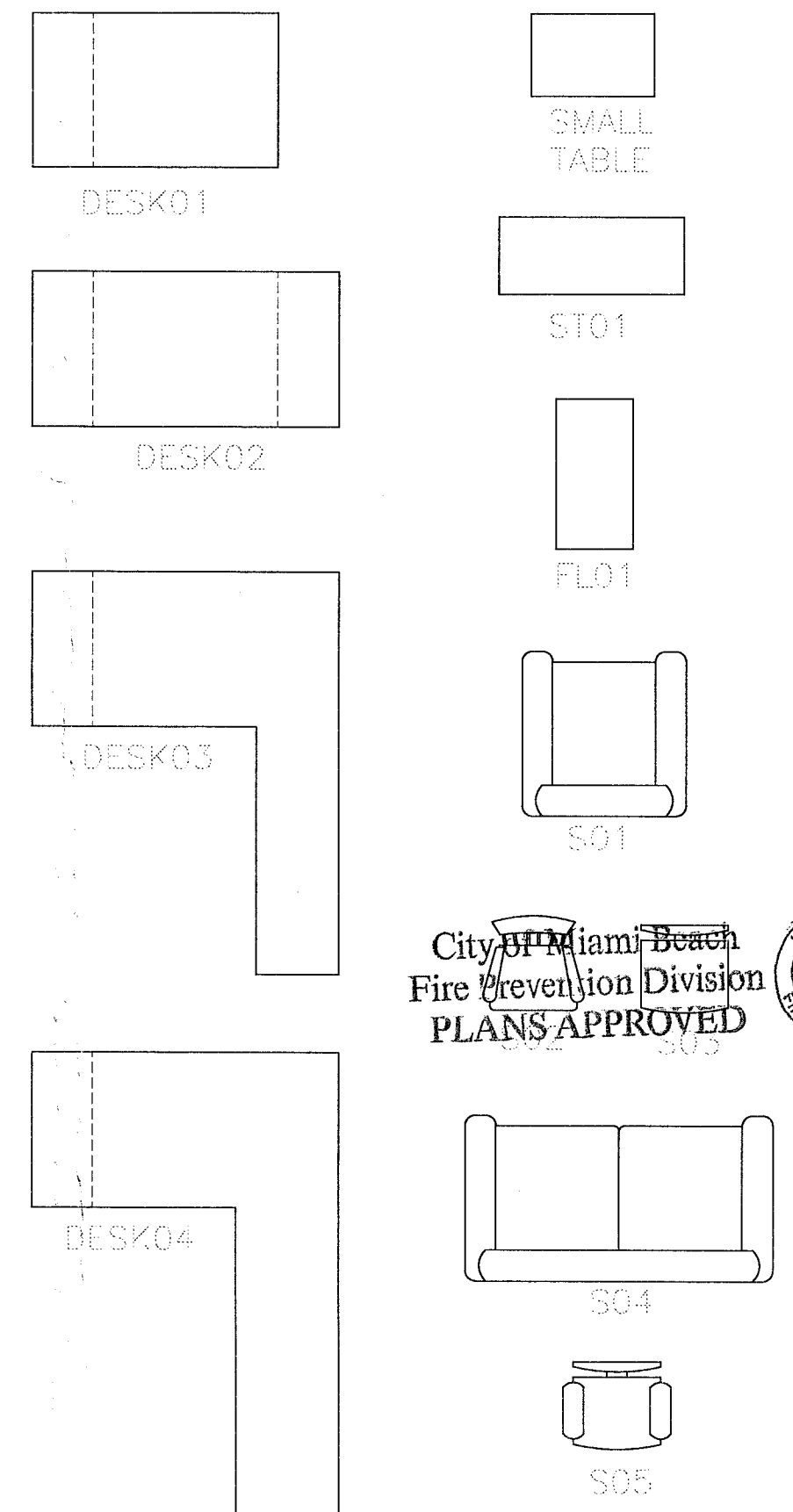
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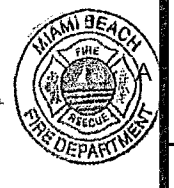
POWER / VOICE / DATA PLAN
 SCALE: 1/4"=1'-0"



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



City of Miami Beach
 Fire Prevention Division
PLANS APPROVED



DESIGN TEAM:

BARRERA

ARCHITECTURE

ARCHITECTURE • PLANNING • INTERIORS

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PROJECT:

JCS

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DATE: 03/16/2012

PROJECT No.: 1016.00

DRAWN BY: A. DIAZ

CHECKED BY: A. BARRERA

ACUSTIN I. BARRERA, REGISTERED ARCHITECT
STATE OF FLORIDA REGISTRATION No. 94201

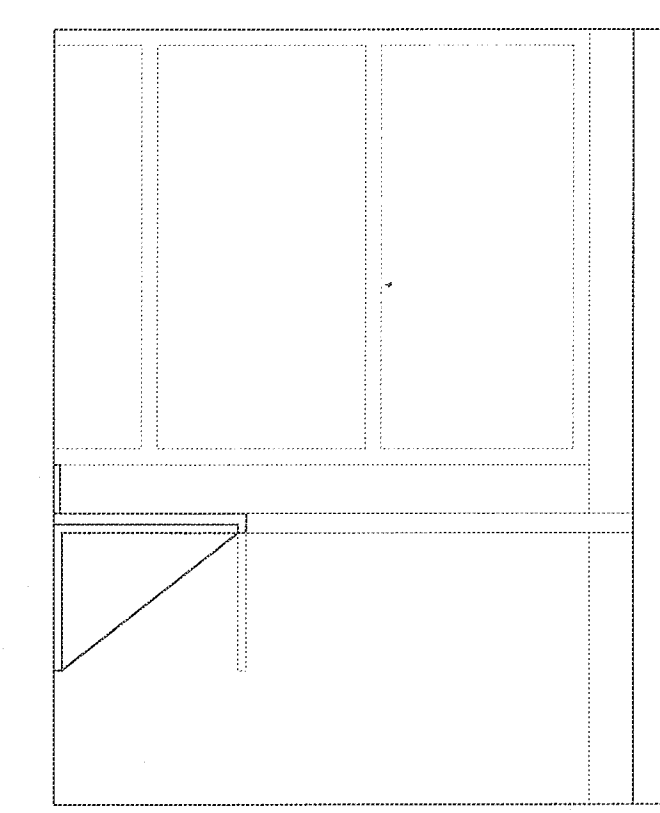
City of Miami Beach
Fire Prevention Division
PLANS APPROVED

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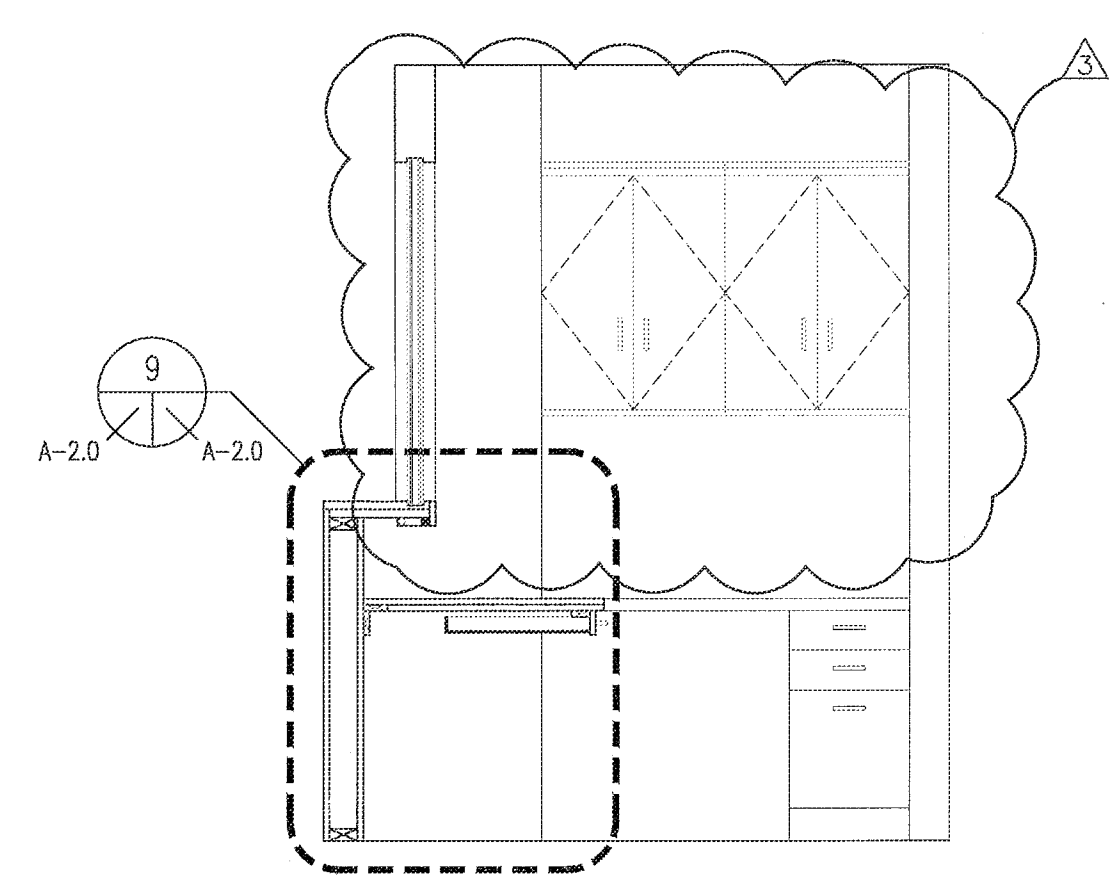
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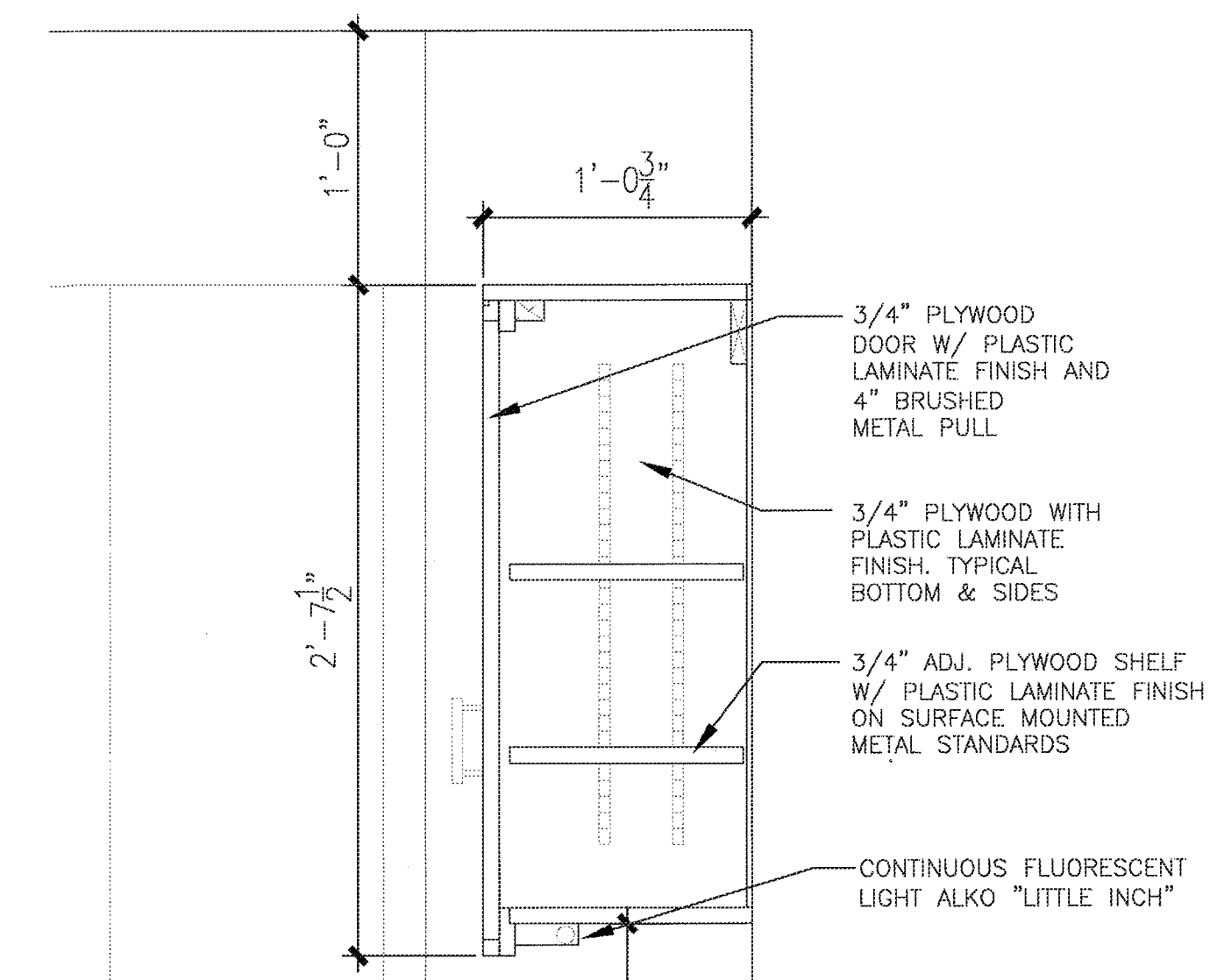
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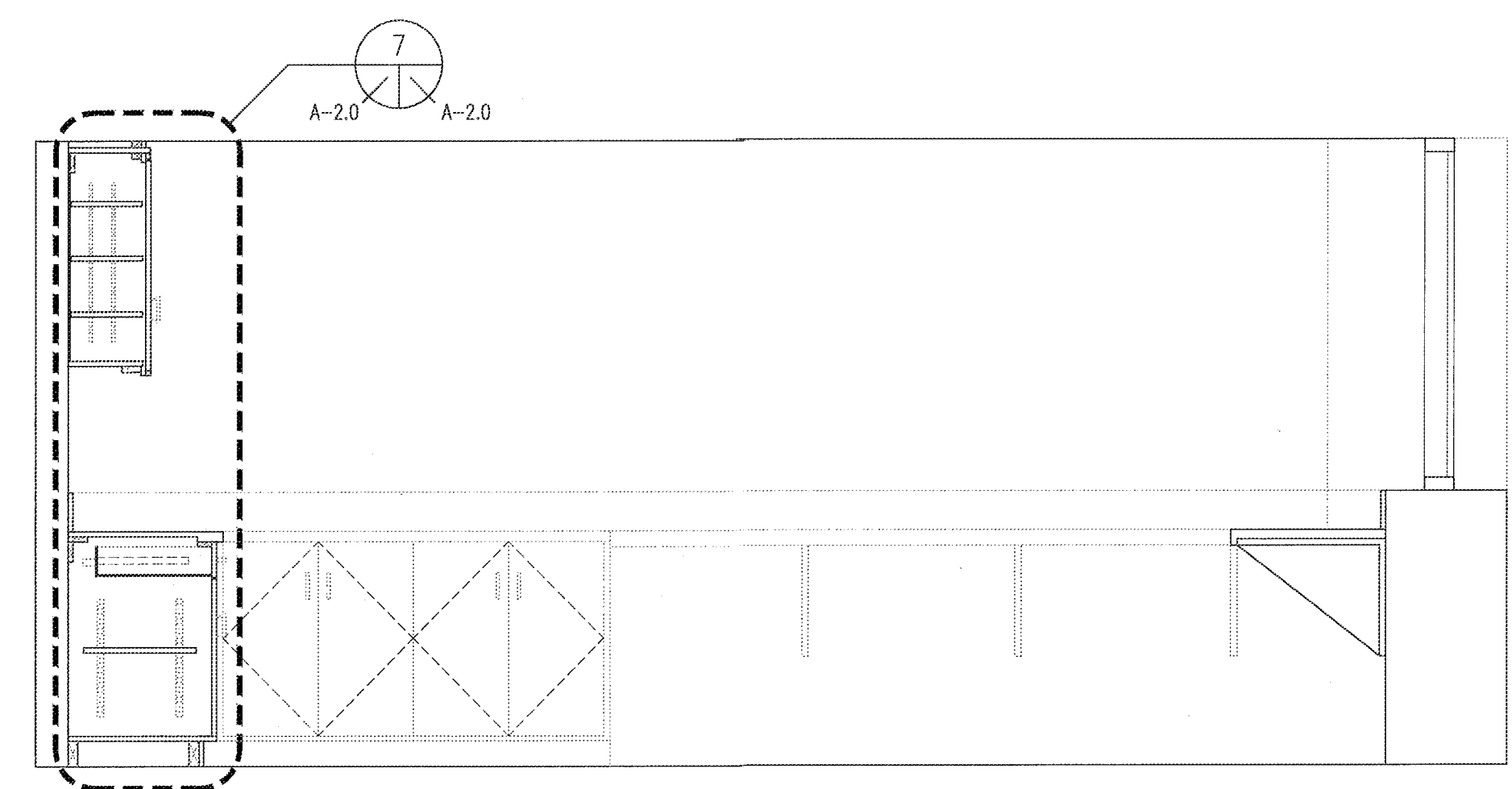
ELEVATION
SCALE: 1/2"=1'-0"
A-1.1 A-2.0



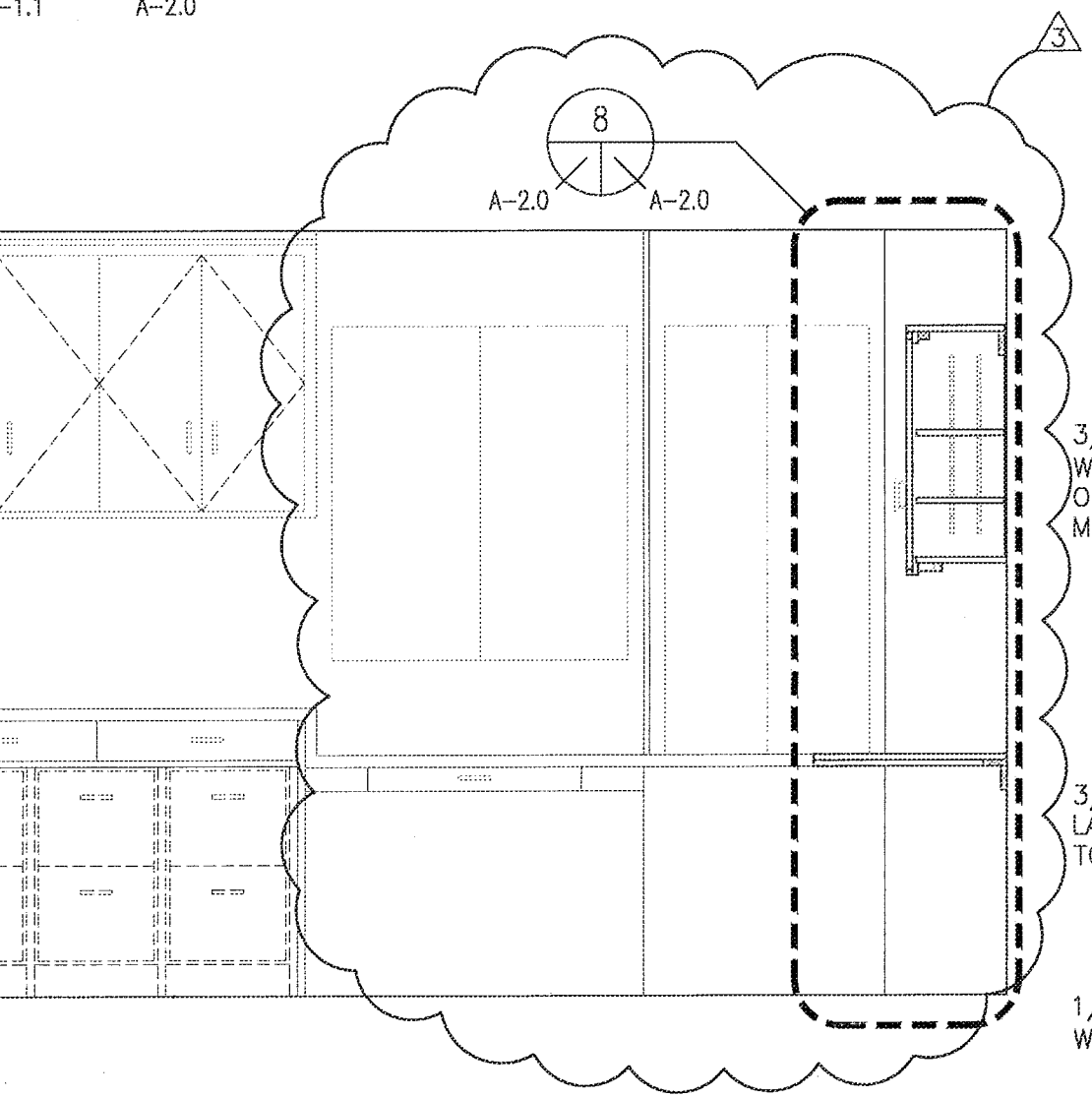
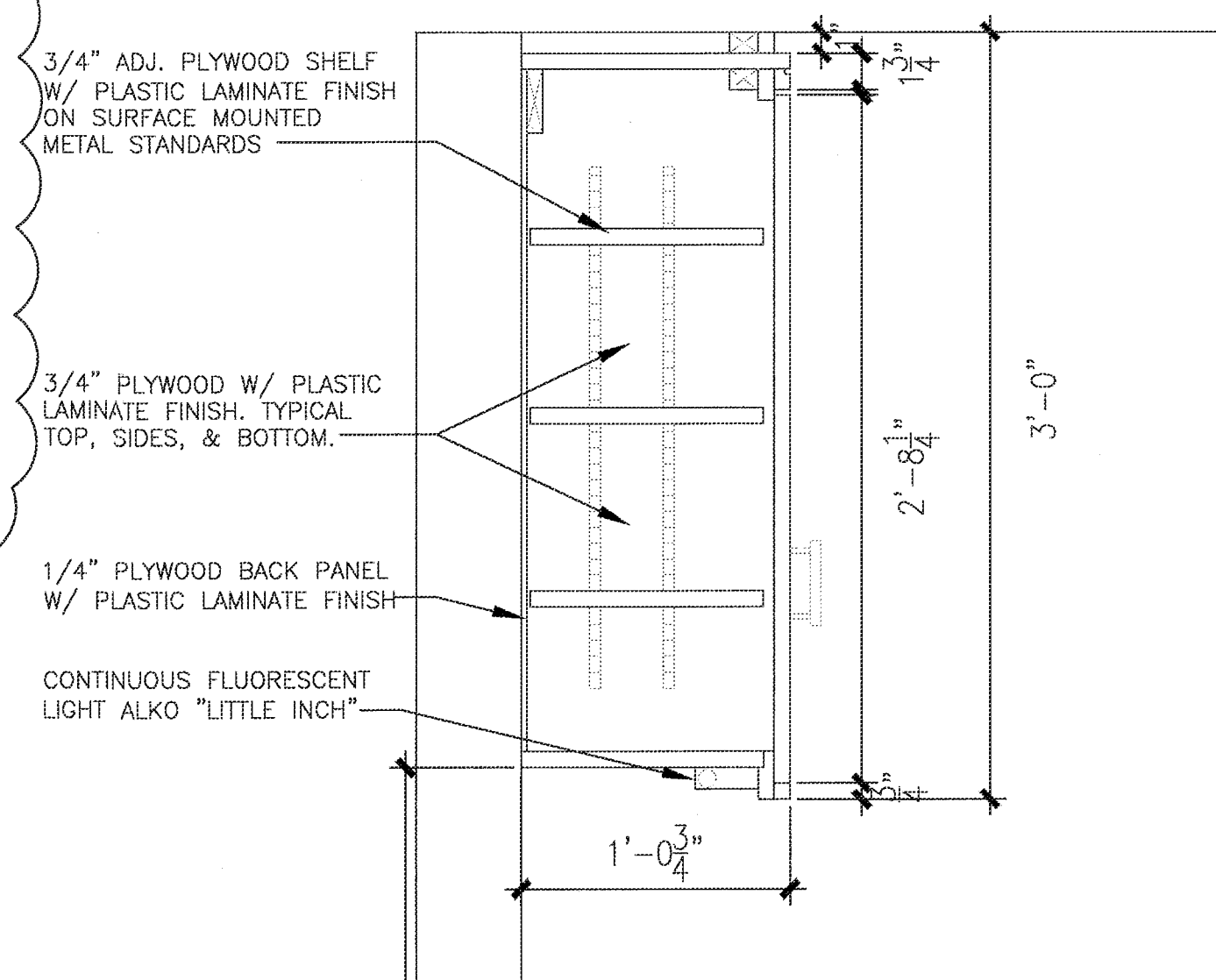
ELEVATION
SCALE: 1/2"=1'-0"
A-1.1 A-2.0



ELEVATION
SCALE: 1/2"=1'-0"
A-1.1 A-2.0

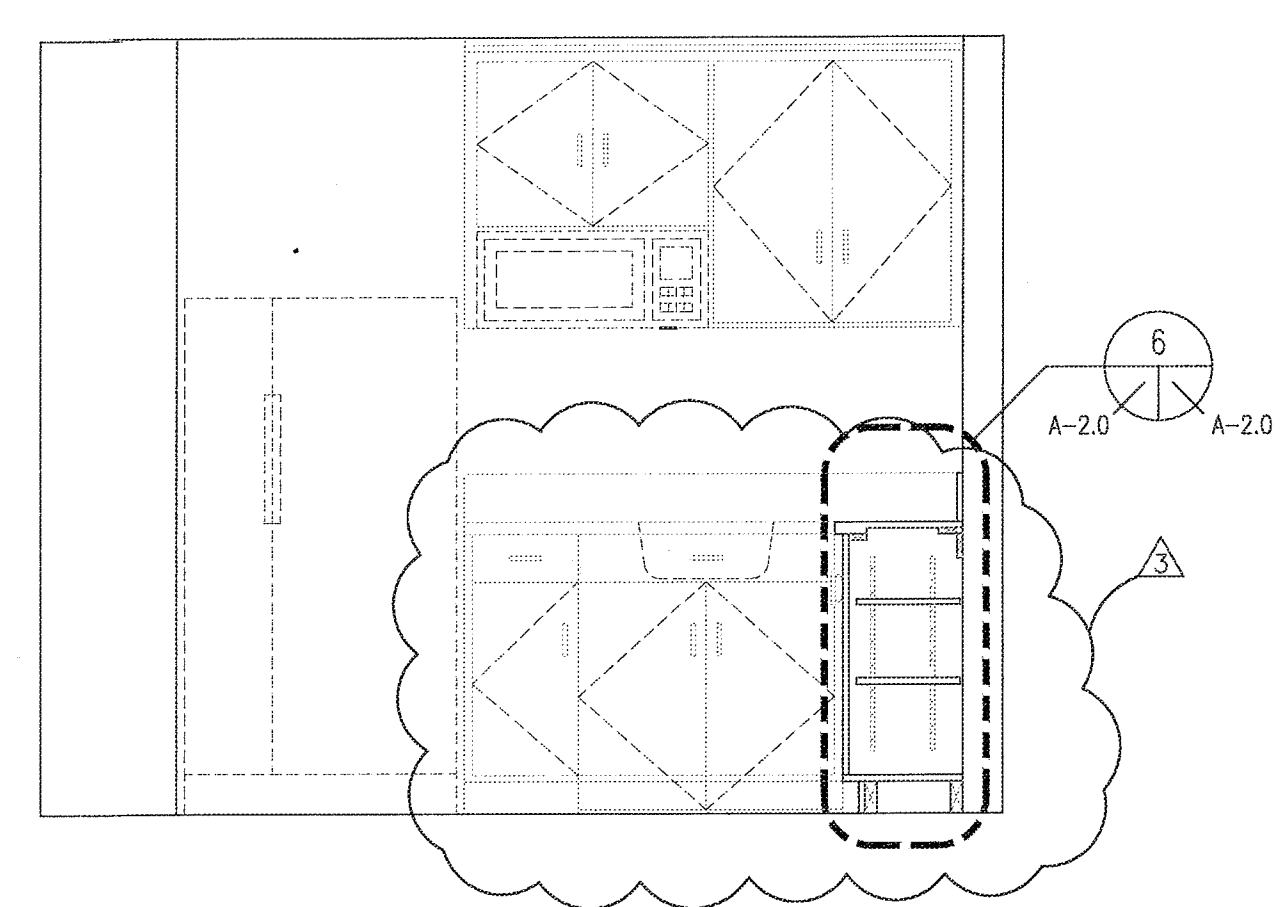
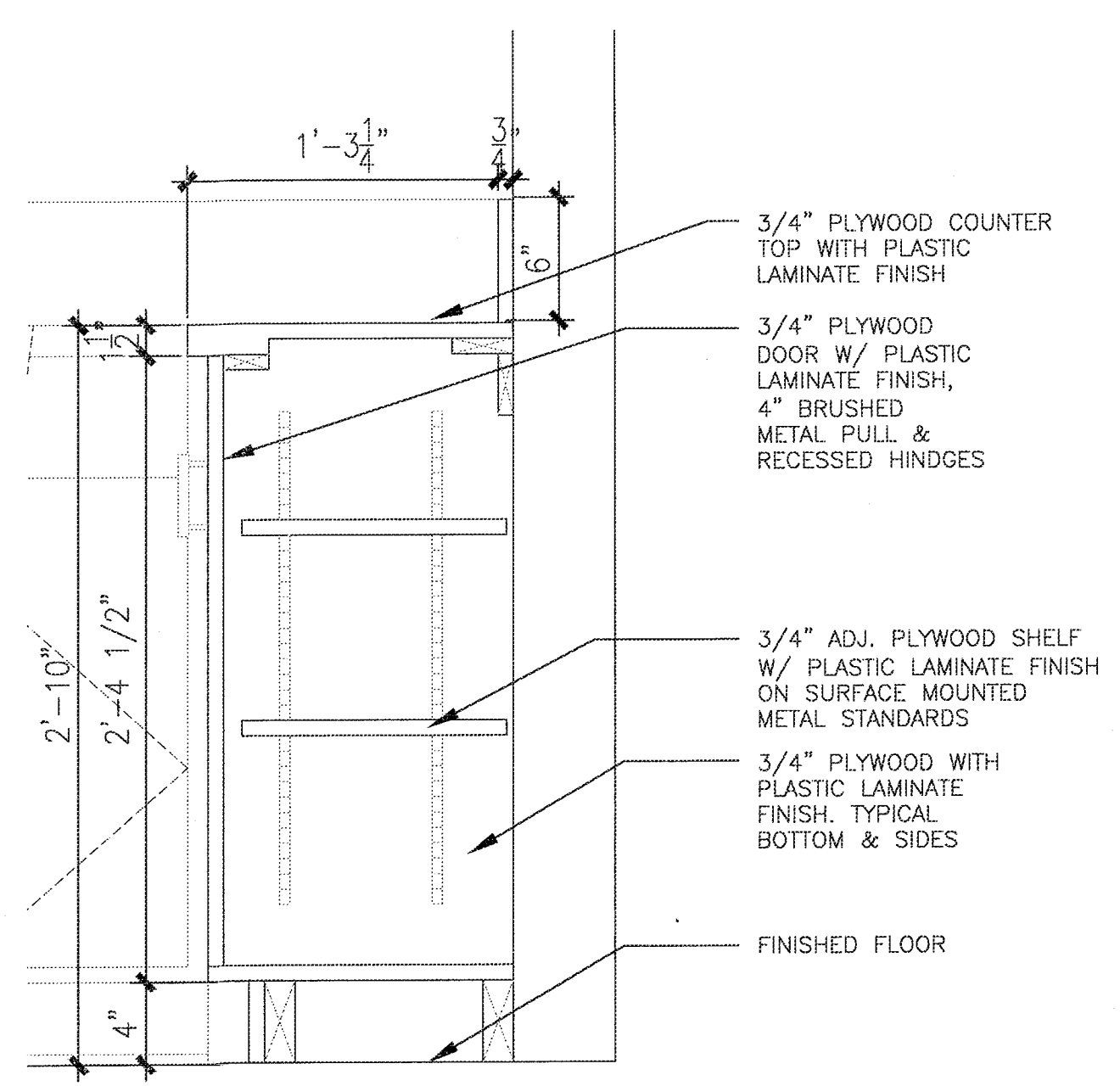


DETAIL SECTION
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A-2.0 A-2.0

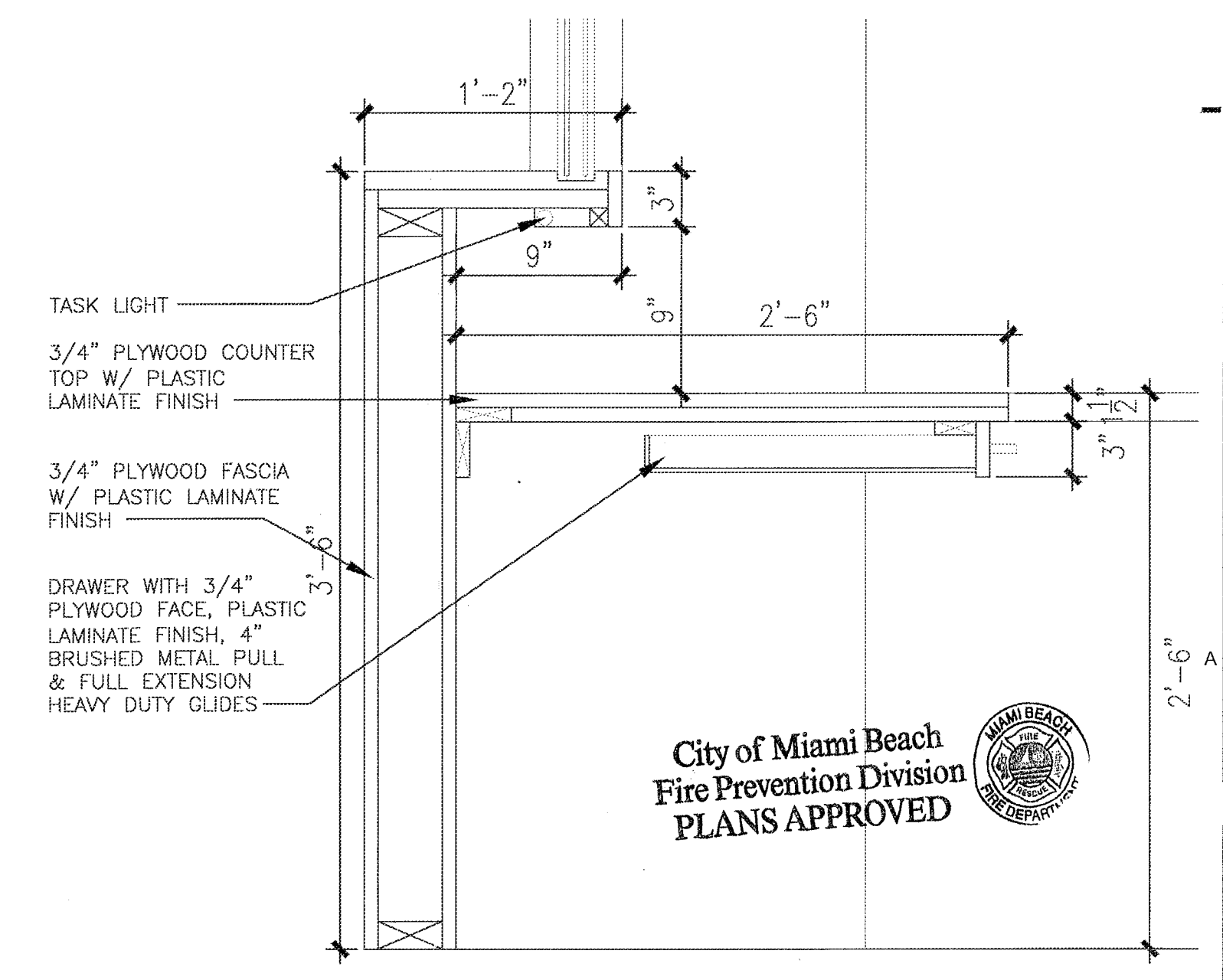


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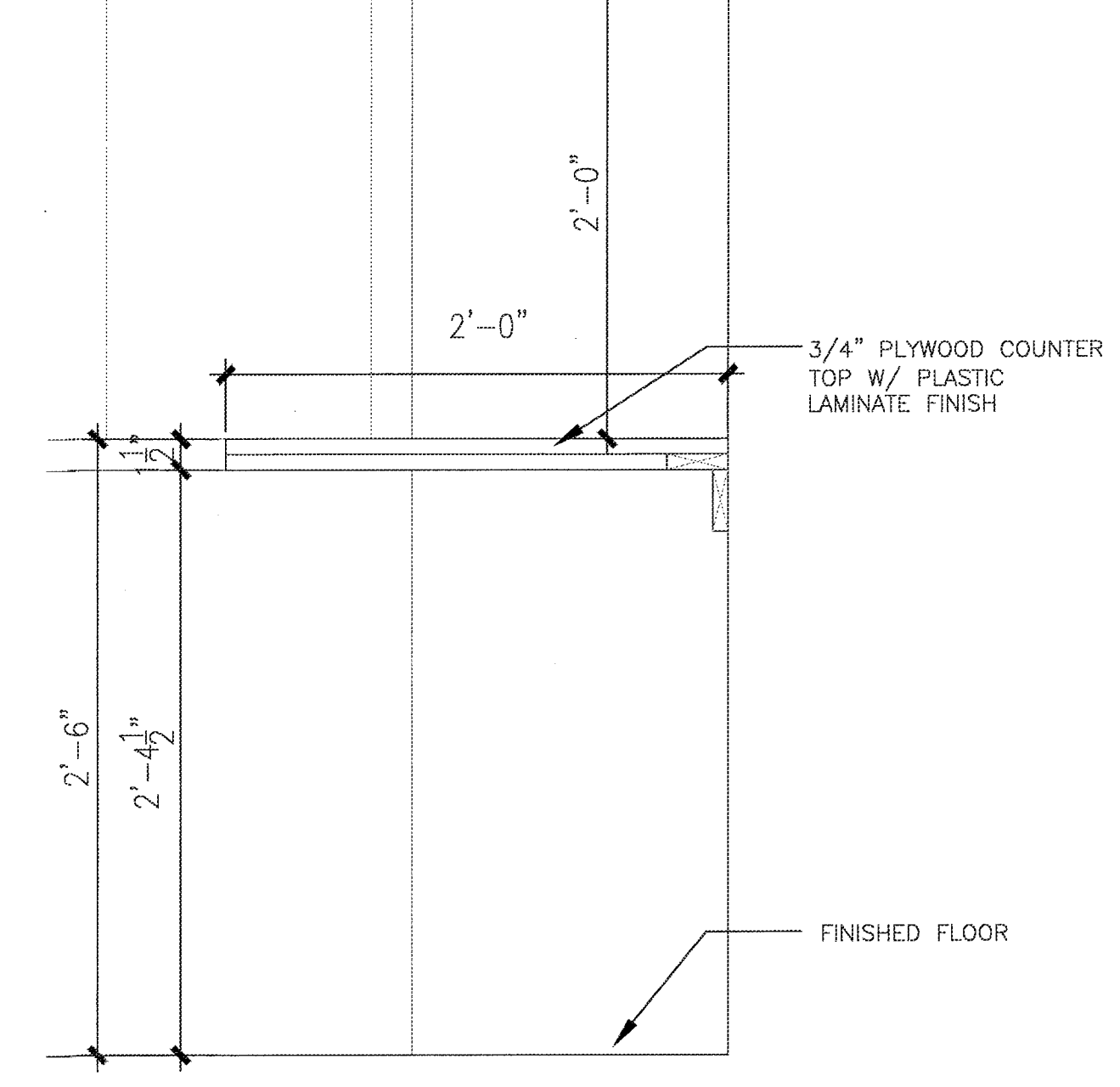
DETAIL SECTION
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A-2.0 A-2.0



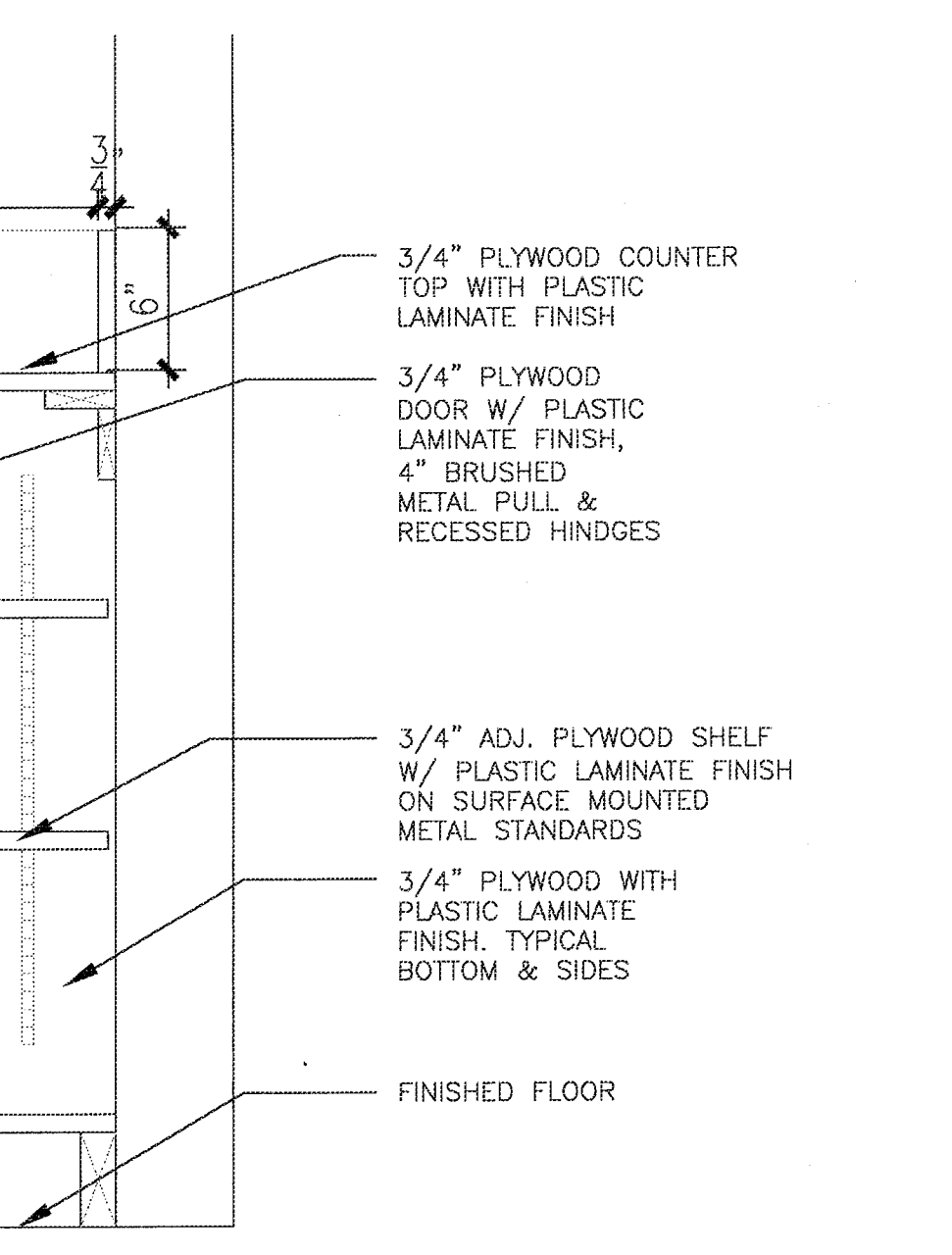
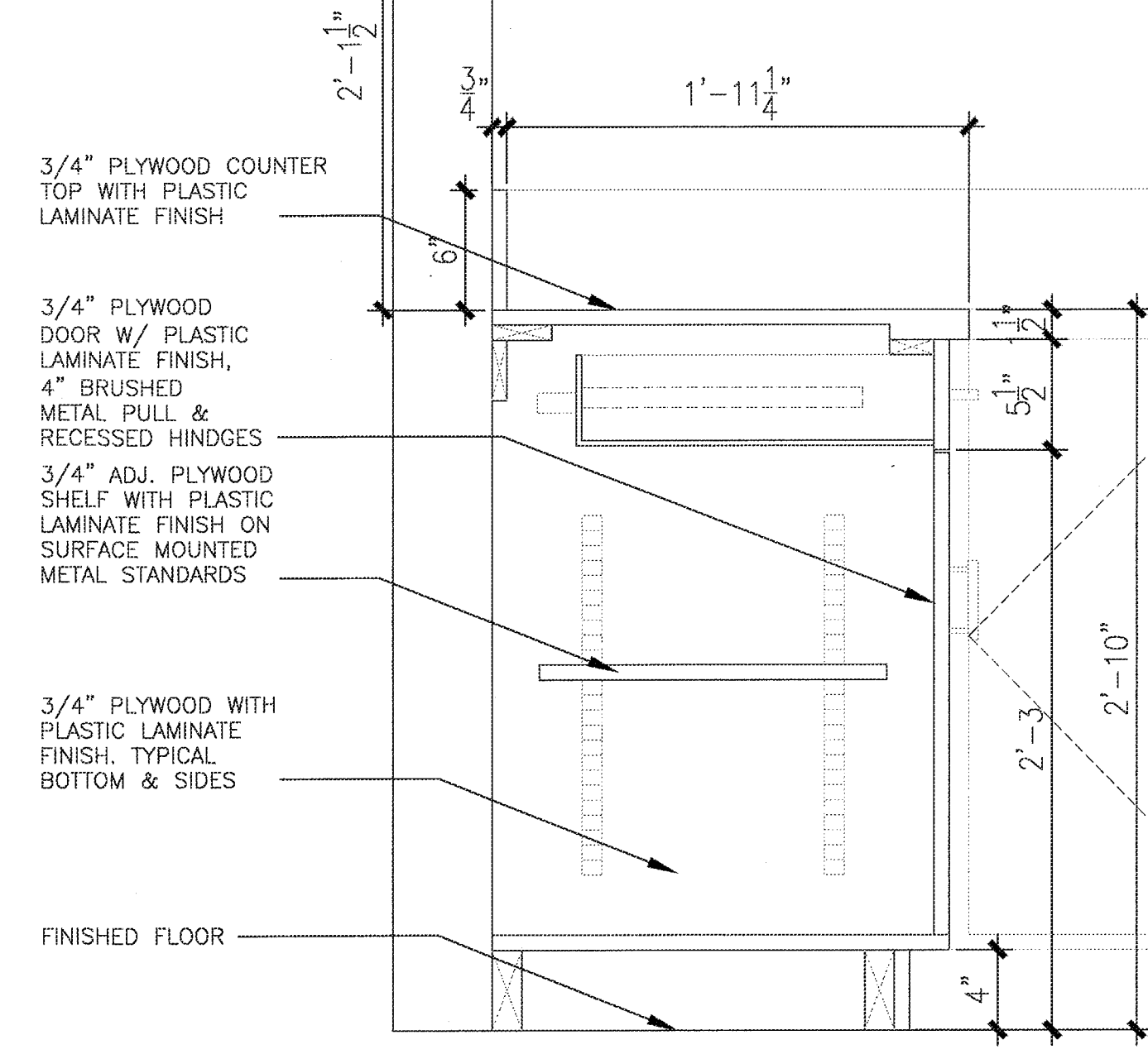
ELEVATION
SCALE: 1/2"=1'-0"
A-1.1 A-2.0



DETAIL SECTION
SCALE: 1-1/2"=1'-0"
A-2.0 A-2.0



DETAIL SECTION
SCALE: 1-1/2"=1'-0"
A-2.0 A-2.0



DETAIL SECTION
SCALE: 1-1/2"=1'-0"
A-2.0 A-2.0



PROJECT:

JCS

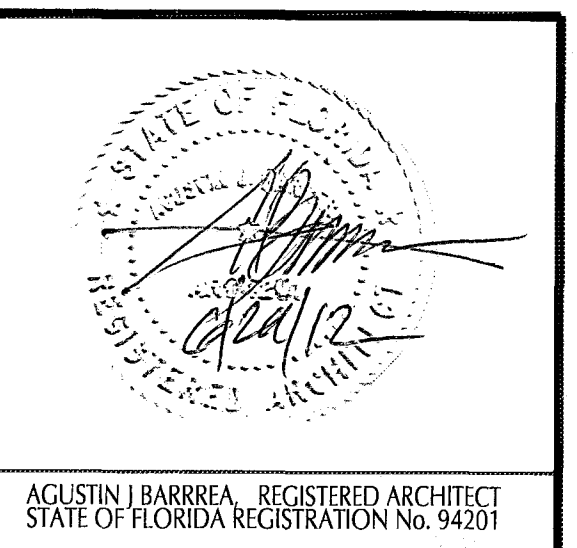
JEWISH COMMUNITY SERVICES

 333 41ST.
 MIAMI BEACH, FLORIDA
 SUITES 208 & 210

MANAGEMENT:

#	BLDG. DEPT. REVISIONS	05/04/12
#	BLDG. DEPT. REVISIONS	06/04/12
#	BLDG. DEPT. REVISIONS	06/20/12
#	REVISIONS	DATE
DATE:	03/16/2012	
PROJECT No.:	1016.00	
DRAWN BY:	A. DIAZ	
CHECKED BY:	A. BARRERA	

BARRERA ARCHITECTURE, INC. 2011



SHEET TITLE:

SCHEDULE

SHEET No.:

A-3.0
ROOM FINISH SCHEDULE

RM #	ROOM NAME	FLOOR	BASE	WALLS	CEILING			REMARKS
					MATERIAL	FIN	HEIGHT	
101	RECEPTION	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
102	COPY/FAX/RECEPTION	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
103	CORRIDOR	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
103-A	CORRIDOR	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
104	OFFICE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
105	OFFICE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
106	ELECTRIC/PHONE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
107	FILE ROOM	VCT-1/2	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 20% ACCENTS
108	CONFERENCE ROOM	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
109	OFFICE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
110	OFFICE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
111	OFFICE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
112	OFFICE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
113	OFFICE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
114	OFFICE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
115	OFFICE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
116	LOUNGE	VCT-1/2	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 20% ACCENTS
117	CLOSET	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
117-A	CLOSET	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS
118	CHAIR STORAGE	CPT-1/2/3	B-1	PT-1	ACOUST. TILE	-	8'0"	INSERT 15% ACCENTS

FINISH SPECIFICATIONS

FIN. TAG	MATERIAL	MANUFACTURER	STYLE	COLOR	FINISH	DESCRIPTION	REMARKS
CPT-1	CARPET TILE	INTERFACE FLOOR	13801	TBD	TUFF. LOOP	50CM CARPET TILE	FIELD COLOR W/ ACCENTS
CPT-2	CARPET TILE	INTERFACE FLOOR	13801	TBD	TUFF. LOOP	50CM CARPET TILE	ACCENT COLOR
CPT-3	CARPET TILE	INTERFACE FLOOR	13801	TBD	TUFF. LOOP	50CM CARPET TILE	ACCENT COLOR
VCT-1	VINYL COMP.	ARMSTRONG	IMP. TEXT	TBD		12"x12" TILE	STANDARD EXCELRON
VCT-2	VINYL COMP.	ARMSTRONG	IMP. TEXT	TBD		12"x12" TILE	STANDARD EXCELRON-ACCENT
B-1	VINYL	ARMSTRONG	-	TBD	-	4" COVE BASE	
PT-1	LATEX PT	BENJAMIN MOORE	-	TBD	EGG SHELL	-	
PT-2	ALKYD PT	BENJAMIN MOORE	-	TBD	SEMI GLOSS	-	
ACT-1	-	-	-	TBD	-	-	MATCH EXISTING
PLAM-1	PLASTIC LAM.	FORMICA	-	TBD	MATTE	-	

WINDOW NOTES

ALL INTERIOR WINDOWS TO BE TEMPERED GLASS

ALL OPENINGS SHALL BE VERIFIED IN FIELD PRIOR TO FABRICATION

CONTRACTOR TO PROVIDE 5 SETS OF SHOP DRAWINGS FOR ARCHITECTURAL REVIEW AND APPROVAL PRIOR TO CONSTRUCTION

REFER TO ELEV. A-2.0

MILLWORK NOTES

ALL MILLWORK TO BE FINISHED AS INDICATED ON DETAILS

ALL HARDWARE TO BE HEAVY DUTY COMMERCIAL GRADE

REFER TO FINISH SCHEDULE FOR SUBSTRATE SECTIONS TYPICAL

ALL MILLWORK TO BE FIRE RETARDANT

CONTRACTOR TO PROVIDE 5 SETS OF SHOP DRAWINGS FOR ARCHITECTURAL REVIEW AND APPROVAL PRIOR TO CONSTRUCTION

ALL MILLWORK MATERIAL SHALL BE CLASS "A"

MILLWORK GLASS SHALL BE SAFETY GLASS WITH ROUNDED EDGES AT EXPOSED CORNERS

INTERIOR NOTES

INSTALL FLOORING AS PER MANUFACTURER'S INSTRUCTIONS

REFER TO CEILING PLAN FOR DETAILS

MINIMUM INTERIOR FINISH CLASSIFICATION CATEGORY SHALL BE: CLASS "A" OR CLASS "B" IN EXITS AND ENCLOSED CORRIDORS TO EXIT, AND CLASS "A", CLASS "B", OR CLASS "C" IN OFFICE AREA

4" BRUSHED MTL. WIRE PULLS TYP., UNO

METAL PULLS FOR OPEN AREAS

METAL PULLS FOR CONFERENCE ROOMS AND RECEPTION DESK

CARPETING SHALL COMPLY WITH RADIANT FLUX REQUIREMENTS OF FBC 2010 804

DOOR HARDWARE

EXISTING DOOR & HARDWARE TO BE REUSED. COORDINATE WITH OWNER FOR RE-KEYING

HDW-1:
MANUFACTURER: SCHLAGE
DESCRIPTION: SPARTA LEVER/ STAINLESS STEEL-SATIN FINISH/ PRIVACY LOCK D495 F76

HDW-2:
- ADD AUTOMATIC DOOR CLOSER TO EXISTING DOOR.

MANUFACTURER: LCN 1000 SERIES
MODEL: 1460T
- POWDER COAT FINISH
- HOLD-OPEN CLIP

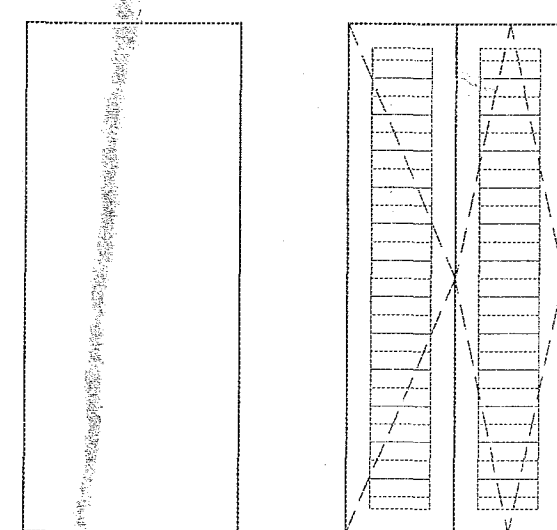
ALL HARDWARE TO INCLUDE:
HINGES: 3 PER DOOR @ 7'-0" DOORS/ PROVIDED BY DOOR MANUFACTURER/ HAGER BB1191 STAINLESS STEEL W/ STAINLESS STEEL PIN
SILENCER: 3 PER DOOR/ BY ROCKWOOD/ 608C CLEAR RUBBER
WALL STOP: 1 PER DOOR/ BY ROCKWOOD/ 446/ 606 STAIN BRASS

NOTES:
PROVIDE TWO KEYS PER LOCK AND 2 SETS OF MASTER KEYS. COORDINATE W/ OWNER

ALL POWER SUPPLIES, IF REQUIRED TO BE PROVIDED BY GENERAL CONTRACTOR

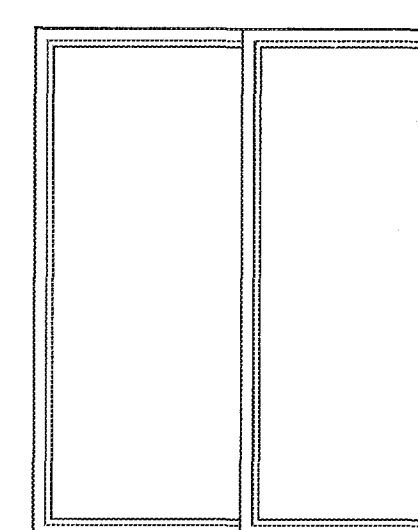
DOOR SCHEDULE

RM #	ROOM NAME	MARK	DESCRIPTION	TYPE	SIZE			WALL	DOOR		FRAME		HW. SET	FIRE RATED SELF-CLOSER	REMARKS
					WIDTH	HEIGHT	THICK		MATERIAL	RATING	MATERIAL	FINISH			
101	RECEPTION	101	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	1 HR	MTL	PT-2	HDW-2	YES	EXISTING TO REMAIN
103-A	CORRIDOR	103-A	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	1 HR	MTL	PT-2	HDW-2	YES	
104	OFFICE	104	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
105	OFFICE	105	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
108	CONFERENCE ROOM	108	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
109	OFFICE	109	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
110	OFFICE	110	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
111	OFFICE	111	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
112	OFFICE	112	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
113	OFFICE	113	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
114	OFFICE	114	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
115	OFFICE	115	SWING/FLUSH	A	3'-0"	7'-0"	1 3/4"	GWB	WOOD	-	MTL	PT-2	HDW-1	-	
117	CLOSET	117	BI-FOLD	B	2'-0"	7'-0"	1 1/8"	GWB	WOOD	-	MTL	PT-2	-	-	
117-A	CLOSET	117-A	BI-FOLD	B	6'-0"	7'-0"	1 1/8"	GWB	WOOD	-	MTL	PT-2	-	-	
118	CHAIR STORAGE	118	BI-FOLD	B	4'-0"	7'-0"	1 1/8"	GWB	WOOD	-	MTL	PT-2	-	-	

DOOR TYPES


A: FLUSH

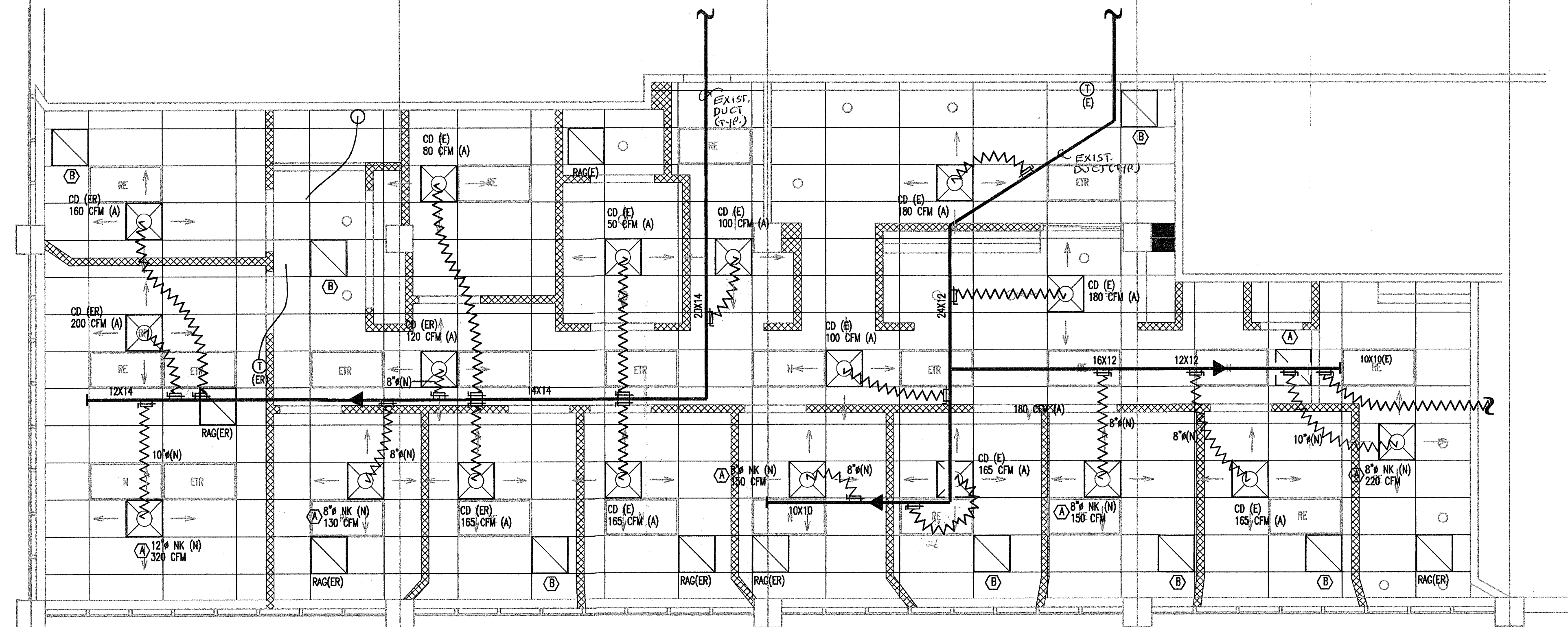
B: BI-FOLD

WINDOW TYPE


A: SLIDING GLASS WINDOW



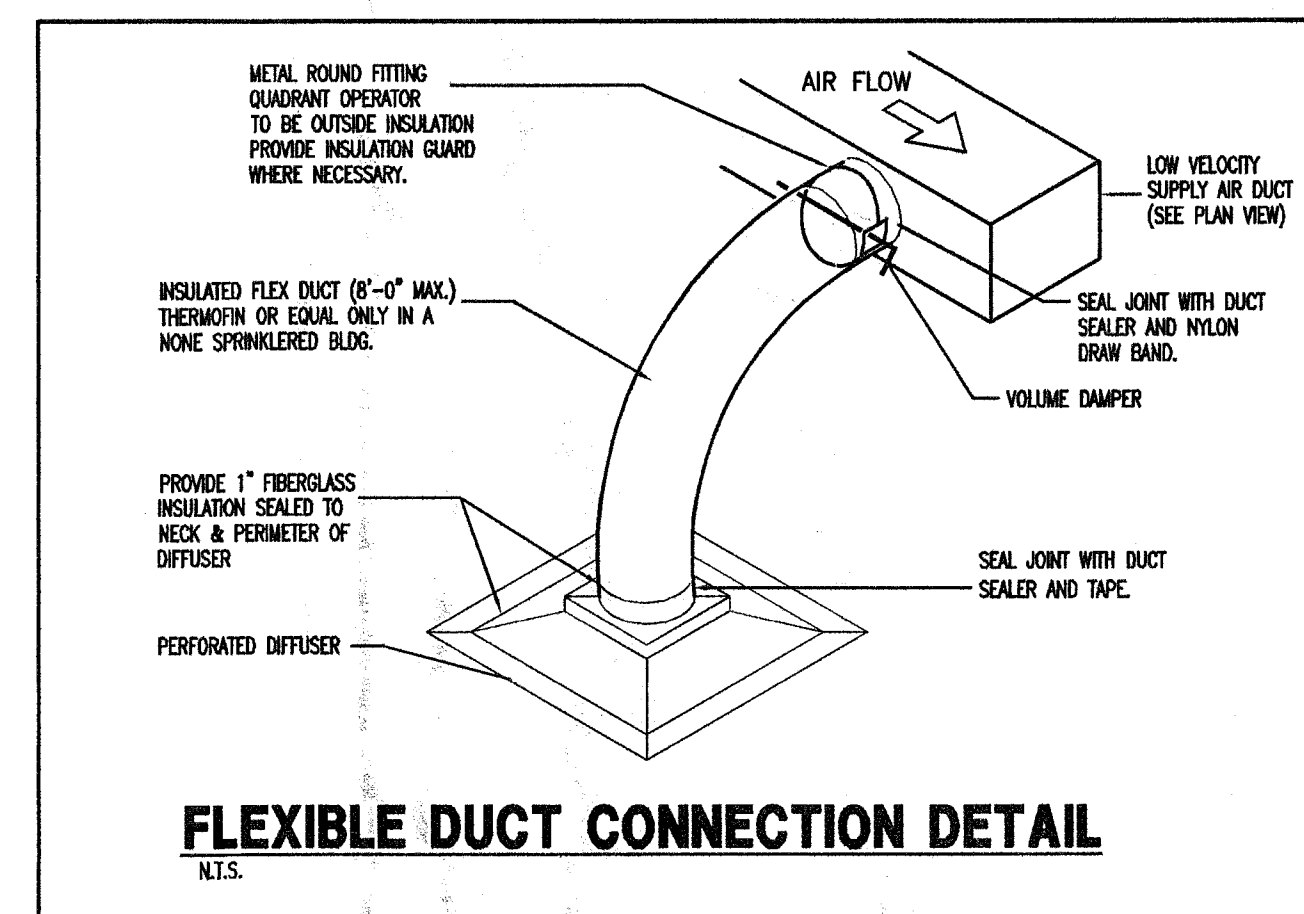
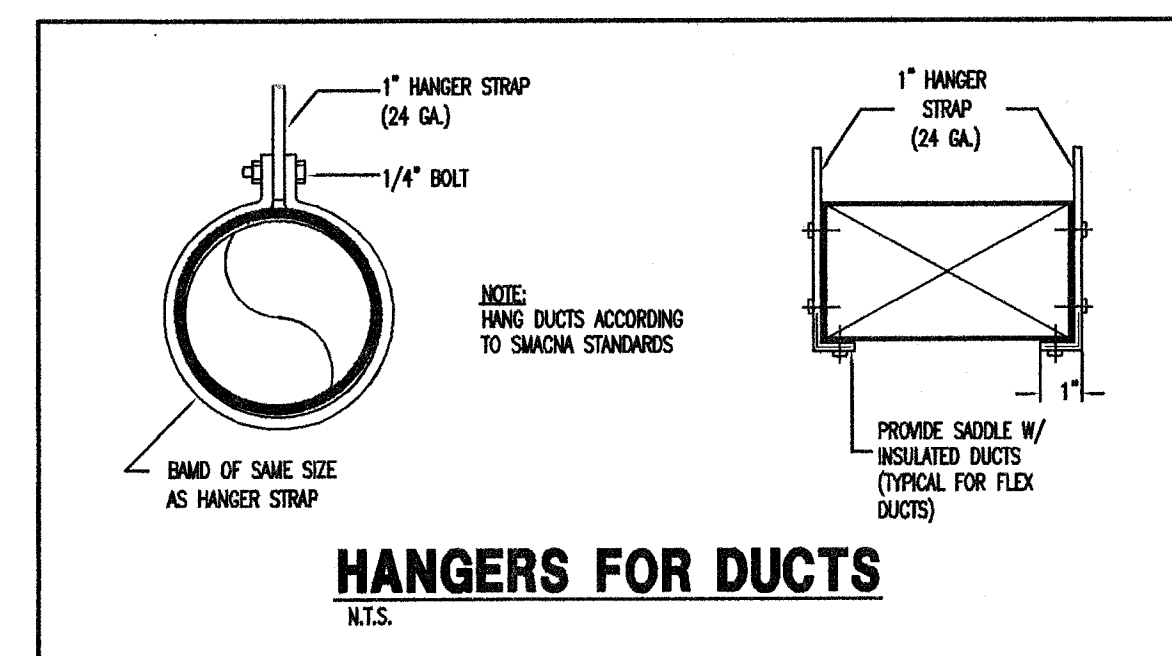
1. THIS JOB REQUIRES A VERY THOROUGH COORDINATION BETWEEN ALL TRADES AND THE CONTRACTOR SHALL PROVIDE IT.
2. THE CONTRACTOR SHALL VERIFY THE PROPER WORKING CONDITION OF ALL EXISTING HVAC EQUIPMENT AND NOTIFY ENGINEER/ARCHITECT OF ANY DISCREPANCIES PRIOR TO ANY WORK.
3. THE CONTRACTOR SHALL NOT FABRICATE ANY DUCTWORK PRIOR TO VERIFICATION OF ROUTING, SIZES AND AVAILABLE SPACE.
4. ALL SHEET METAL DUCTWORK TO BE CONSTRUCTED IN ACCORDANCE WITH SNAWSON'S STANDARDS FOR LOW PRESSURE DUCTS. ALL JOINTS AND SEAMS OF INTERIOR DUCTS TO BE FILLED WITH 4" TYPE (B) GUNNING POLYURETHANE AND SCALED TO ADHERE TO MAKE JOINTS AIRTIGHT.
5. ALL SHEET METAL A/C DUCTWORK SHALL BE COVERED WITH 1 1/2" OMED-CORNING TYPE 150-1 1/2" POUNDS DESIGN, BLANKET INSULATION WITH ULL RATED F.R.K. FOL REINFORCED IGHT FACING, APPLY INSULATION USING WELDED PINS OF STICK GLIPS FROM 4" TYPE (B) GUNNING POLYURETHANE AND SCALED, STAPLE ON 2" CENTERS AND COVER WITH FIRE RESISTANCE MASTIC AND 4" GLASS-FAB-TAPE.
6. DUCTWORK DOWN STREAM OF VAV BOXES SHALL BE CONSTRUCTED WITH O.C. FIBERGLASS DUCT BOARD TYPE FR70HD) ONE INCH THICK WITH GLASS SCORP REINFORCED FOL FACING, FOLLOWING SNAWSON'S FIBROUS GLASS DUCT CONSTRUCTION METHOD AND MANUFACTURER'S FABRICATION AND INSTALLATION MANUAL. ALL JOINTS AND SEAMS SHALL BE CLOSED USING FLARE STAPLES 2" C" AND O.C. FIBERGLASS DUCT SYSTEM CLASS 1 RATED MASTIC, AND GLASS REINFORCING TAPE.
7. ALL SUPPLY AIR DUCT TAKEOFFS SHALL BE PROVIDED WITH SLUTTER DAMPERS.
8. PLACEMENT OF AIR DISTRIBUTION DEVICES SHALL BE COORDINATED WITH ARCHITECTS SELECTED RELIEF PLANT AND ROOM ELAVATIONS.
9. REUSE EXISTING OFFSHOOTERS WHEN POSSIBLE AS LONG AS THE DESIGN C/FI SHOWN FOR THE ASSIGNED ROOM IS THE SAME.
10. NEW AIR DISTRIBUTION DEVICES - ALL ALUMINUM CONSTRUCTION WITH OPPOSED BLAD FANWARD AND EQUALIZING GRID, BARBER COLMAN, TITUS, CARNES, LOCAL AND BAILEY.
11. ALL WORK TO BE DONE IN ACCORDANCE WITH STATE AND LOCAL CODES HAVING JURISDICTION, N.E.P.A. 90 A & B, A.S.H.R.A.E. GUIDE AND SNAWSON'S DUCT CONSTRUCTION STANDARD.
12. VERIFY LOCATION OF ALL THERMOSTAT WITH ARCHITECT PRIOR TO INSTALLATION.
13. COORDINATE WORK TO BE DONE WITH OTHER TRADES PRIOR TO COMMENCING IT.
14. VERIFY PROPER OPERATION OF EXISTING CONTROLS FOR THE A/C SYSTEM, AND REPAIR OR REPLACE AS NEEDED.
15. TEST & BALANCE TO BE PERFORMED BY AN INDEPENDENT TEST AND BALANCE AGENCY. ADJUST DAMPERS AND FANS TO OBTAIN AIR QUANTITIES WITHIN 5% OF THOSE INDICATED ON THESE DRAWINGS. OBTAIN FULL LOAD AIRP READINGS FOR ALL WATERS AT BALANCED CONDITIONS. RECORD OUTDOOR AND INDOOR DRY AND WET BULB TEMPERATURES AT BALANCED CONDITIONS. SUBMIT ALL TEST AND BALANCE REPORTS TO OWNER FOR APPROVAL.
16. CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE THAT ALL WORK SHALL BE FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.



① DUCT PENETRATION THROUH FIRE RATED WALL SHALL BE FIRE PROOFED AS PER UL SYSTEM NO. W-L-7047

GENERAL			
	DIRECTION OF AIR FLOW	T/D	TRANSFER DUCT
	EXISTING DUCT	(R)	RELocate
	NEW DUCT	(E)	EXISTING
	TAP-OFF DUCT WITH VOLUME DAMPER	(N)	NEW
	DUCT TRANSITION	(A)	ADJUSTED
	EXISTING INSULATED FLEXIBLE DUCT	S/A	SUPPLY AIR
	NEW INSULATED FLEXIBLE DUCT	R/A	RETURN AIR
	DUCT WITH TURNING VANES	E/A	EXHAUST AIR
	TAP-OFF DUCT (WITH AIR SCOOPER)	O/A	OUTSIDE AIR
	FIRE DAMPER	FD	FIRE DAMPER
	MANUAL VOLUME DAMPER	LD	LINEAR DEFUSER
	TERMOSTAT	LR	LINEAR RETURN
	CUBIC FEET PER MINUTE		CONNECT TO EXISTING
	EXHAUST FAN	LT	LIGHT TROFFER DEFUSER
	ROUND	CMR	CONDENSER WATER RETURN
	VARIABLE AIR VOLUME	CWS	CONDENSER WATER SUPPLY
		CR	CEILING RETURN
		CD	CEILING DEFUSER
		NK	NECK
		R.A.G.	RETURN AIR GRILLE
AIR DISTRIBUTION			
	SUPPLY AIR GRILLE ALL ALUMINUM WFR. TISS MODEL PCS		RETURN AIR GRILLE ALL ALUMINUM WFR. TISS MODEL PAR

HVAC DESIGN REQUIRES:	YES	NO
DUCT SMOKE DETECTOR		✓
FIRE DAMPER(S)		✓
SMOKE DAMPER(S)		✓
FIRE RATED ENCLOSURE		✓
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		✓
FIRE STOPPING		✓
SMOKE CONTROL		✓



PROJECT:

JCS

JEWISH COMMUNITY SERVICES

333 41ST.
MIAMI BEACH , FLORIDA
SUITES 208 & 210

MANAGEMENT:		
	BUILDING DEPARTMENT COMMENT	8.5.12
#	REVISIONS	DATE
DATE : 03/19/12		
PROJECT No.: MVA 12-25		
DRAWN BY: ILW		
CHECKED BY: RAM		

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SHEET TITLE:

MECHANICAL PLAN

SHEET No:

M-1

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

RICARDO A. MARTIN, FL. P.E. #16390
ENRIQUE G. VILATO, FL. P.E. #11684
SILVIA VILATO LACASA, FL. P.E. #47117

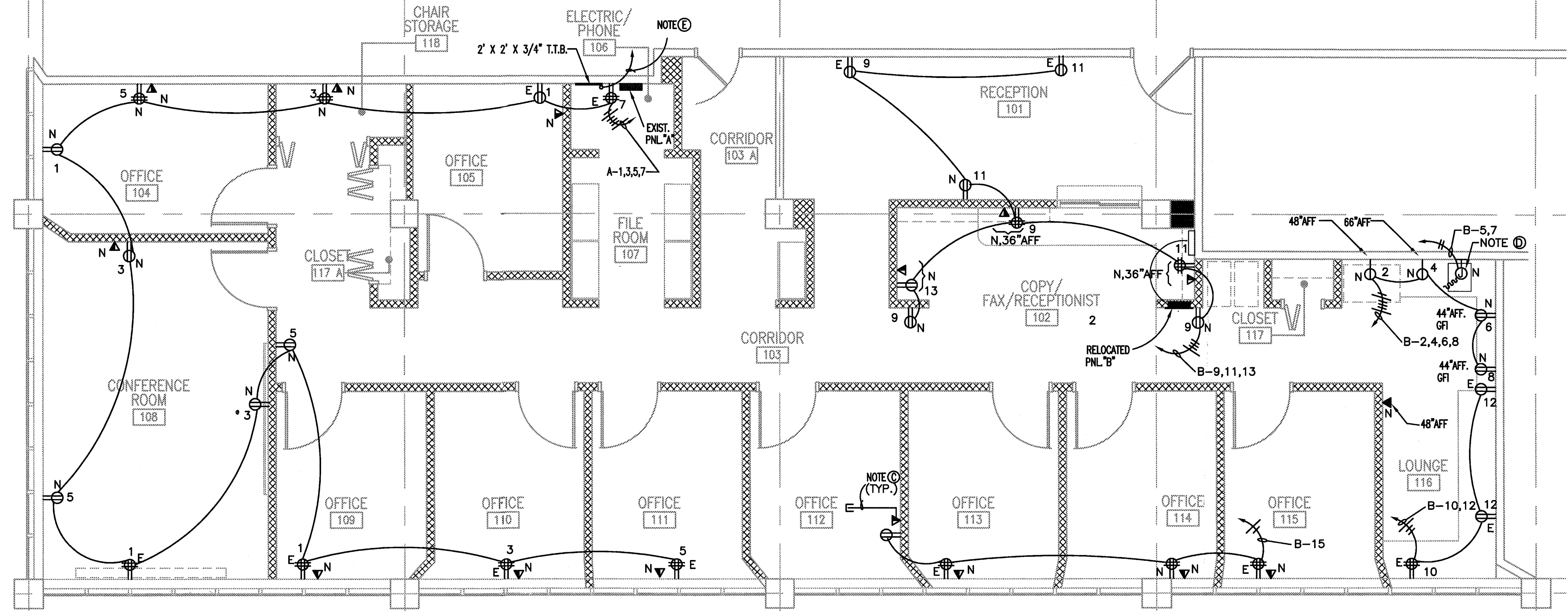
MV MARTIN - VILATO
ASSOCIATES, INC.
CONSULTING ENGINEERS

2730 S.W. 3rd Ave. - Suite 402
 Coral, Florida 33129
 (305) 854-6977
 Fax - (305) 854-2591

C.A. #3368

TYPE: EXISTING									
SERVICE: 3Ø-4W									
VOLTAGE: 120/208									
MOUNTING: SURFACE									
PANEL "A"									
(ALL 20A, 3Ø, CKTS., EXCEPT AS NOTED)									
MAIN BUS: 100 A									
NEUTRAL: 100 A									
MOUNTING: TOP									
LOCATION: TOP									
NO.	CONT.	NO.	CONT.	NO.	CONT.	NO.	CONT.	NO.	CONT.
1080	1080	1/2"	#12	OFFICE RCPTS	1	2	SPACE	0	0
1080	1080			OFFICE RCPTS	3	4			
1080	1080			OFFICE RCPTS	5	6			
360	360			TIB RCPT.	7	8			
0	400			F.A. NAC.	9	10	OFFICE LIGHTING	#12	1/2" 960
				SPACE	11	12	SPACE		0
					13	14			
					15	16			
					17	18			
					19	20			
					21	22			
					23	24			
					25	26			
					27	28			
					29	30			
CONNECTED LOAD: 5,250 VA									
DEMAND LOAD: 5,250 VA (15 A)									
FEEDER: 4 #3-1.25" (EXIST.)									
FED FROM: 3P-100A CB IN PNL "DP"									

TYPE: EXISTING									
SERVICE: 3Ø-4W									
VOLTAGE: 120/208									
MOUNTING: FLUSH									
PANEL "B"									
(ALL 20A, 3Ø, CKTS., EXCEPT AS NOTED)									
MAIN BUS: 100 A									
NEUTRAL: 100 A									
MOUNTING: TOP									
LOCATION: TOP									
NO.	CONT.	NO.	CONT.	NO.	CONT.	NO.	CONT.	NO.	CONT.
725	725	1/2"	#12	OFFICE LIGHTING	1	2	REFRIGERATOR	#12	1/2" 1500
965	965	1/2"	#12	CORRIDOR LIGHTING	3	4	MICROWAVE		1500
4160	4160	1/2"	#10	INSTANT EWH	5	6	SMALL APP.		1500
720	720	1/2"	#12	RECEPTION RCPTS.	9	10			1500
720	720	1/2"	#12	RECEPTION RCPTS.	11	12			1500
1500	1500	1/2"	#12	COPPER	13	14	SPACE		0
				SPACE	15	16			
					17	18			
					19	20			
					21	22			
					23	24			
					25	26			
					27	28			
					29	30			
CONNECTED LOAD: 17,810 VA									
DEMAND LOAD: 17,810 VA (49 A)									
FEEDER: 4 #3-1.25" (EXIST.)									
FED FROM: 3P-100A CB IN PNL "DP"									

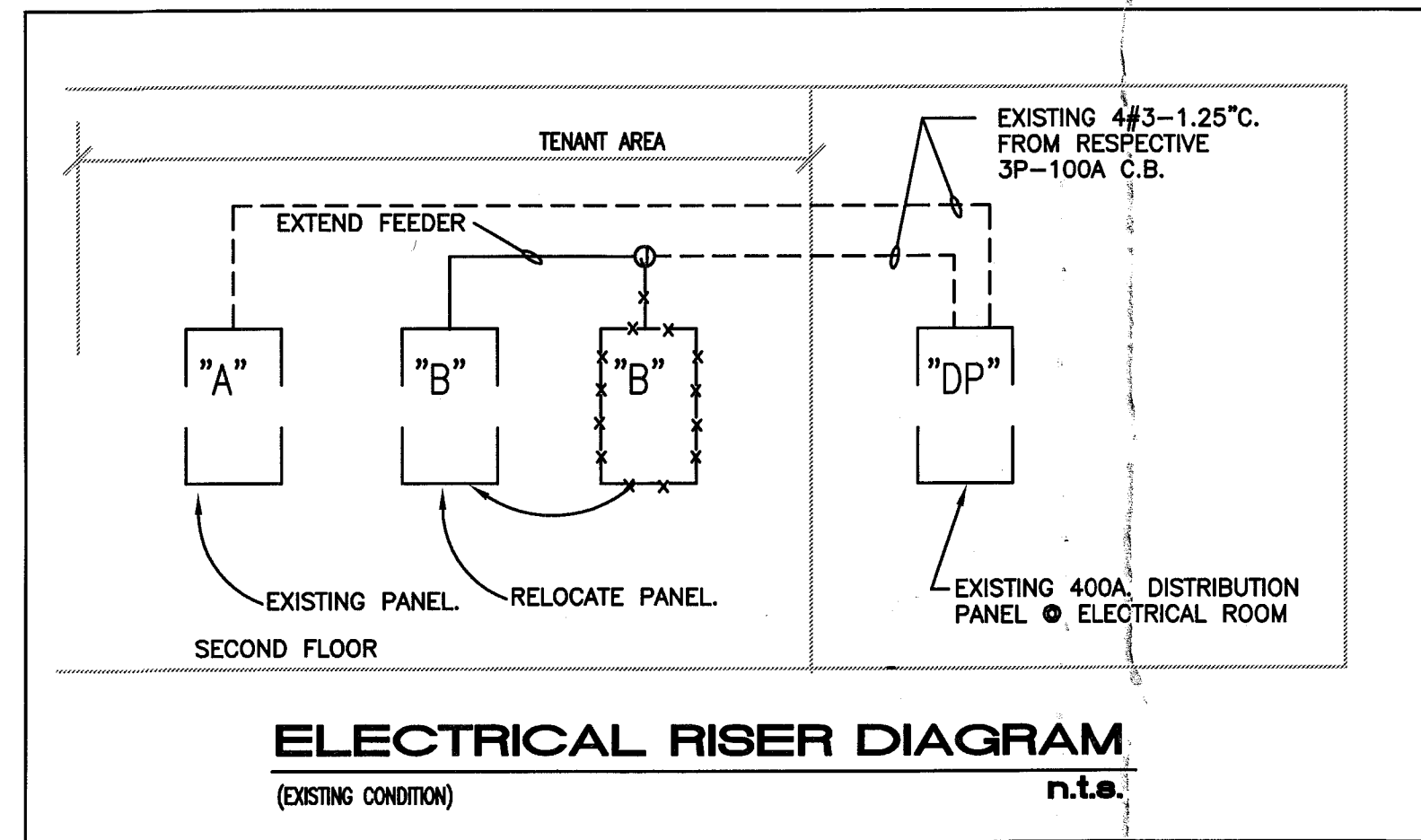


POWER PLAN
Scale: 1/4"=1'-0"

WORK NOTES:

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT OUTLET LOCATIONS AND MOUNTING HEIGHTS.
- CONTRACTOR SHALL ADVISE ALL TRADES INSTALLING EXPOSED WIRING THAT ALL COMMUNICATIONS AND SIGNAL WIRING RUNNING ABOVE CEILING SHALL BE RATED FOR INSTALLATION IN A/C PLENUMS.
- PROVIDE INDIVIDUAL 3/4" C. FROM EACH COMBINATION VOICE / DATA AND TELEVISION WALL OUTLET UP TO 6" ABOVE CEILING LINE. PROVIDE PLASTIC BUSHING AT CONDUIT END.
- PROVIDE HARDWIRE CONNECTION TO INSTANT (TANKLESS) WATER HEATER. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
- RUN (1) - 2" C. FROM TENANT T.T.B., TO MAIN T.T.B. AT MECHANICAL ROOM, FOR TENANT'S TELEPHONE SERVICE.
- WALL SWITCH DENOTED BY "OC" SHALL BE OCCUPANCY SENSOR TYPE, EQUAL TO WATTSTOPPER #WS-250.
- PROVIDE CEILING OCCUPANCY SENSORS EQUAL TO WATTSTOPPER #UT-300 SERIES AS SHOWN ON PLAN ("CS1"=UT-300-1; "CS2"=UT-300-2; "CS3"=UT-300-3), WHICH SHALL INCLUDE REQUIRED LOW-VOLTAGE WIRING AND CEILING POWER PACKS AS REQUIRED TO CONTROL SWITCHED CIRCUITS INDICATED BY LOWERCASE LETTER ADJACENT TO SENSOR. COORDINATE EXACT LOCATION OF CEILING SENSORS FOR COMPLETE AREA COVERAGE.

NOTE:
LOW VOLTAGE WIRING (TELEPHONE, DATA, CABLE TV) IS NOT INCLUDED IN THIS PERMIT,
AND SHALL BE PROVIDED BY OTHERS.



DESIGN TEAM:

BARRERA
ARCHITECTURE
ARCHITECTURE • PLANNING • INTERIORS

2121 Douglas Road, Miami, FL 33146 (305) 441-1644

PROJECT:

JCS

JEWISH COMMUNITY SERVICES

333 41ST ST.
MIAMI BEACH, FLORIDA
SUITES 208 & 210

MANAGEMENT:

REVISIONS DATE

DATE: 03/19/12

PROJECT No.: MVA 12-25

DRAWN BY: LFC

CHECKED BY: E. VILATO

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City of Miami Beach
Fire Prevention Division
PLANS APPROVED



SHEET TITLE:

POWER PLAN

SHEET No:

E-1

RICARDO A. MARTIN, FL P.E. #16390
ENRIQUE G. VILATO, FL P.E. #11684
SILVIA VILATO LACASA, FL P.E. #47117
MARTIN - VILATO
ASSOCIATES, INC.
CONSULTING ENGINEERS
2730 S.W. 3rd Ave., Suite 402
Miami, Florida 33129
(305) 854-9777
Fax - (305) 854-2591
C.A. #3388

- 1 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.
- 2 - INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AND OSHA REGULATIONS.
- 3 - CONTRACTOR SHALL GUARANTEE THE ENTIRE ELECTRICAL WORK, INCLUDING PARTS AND LABOR, FOR A PERIOD OF ONE (1) YEAR AFTER FINAL WRITTEN ACCEPTANCE BY OWNER.
- 4 - GUTTERS, WIREWAYS, PULLBOXES, ETC., SHALL BE SIZED PER NATIONAL ELECTRICAL CODE.
- 5 - THIS CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, TESTS, FINES, ETC., AS REQUIRED.
- 6 - ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS MANAGER AND SHALL BE COMPLETED AND FULLY OPERATIVE TO THE ACCEPTANCE OF THE OWNER AND ENGINEER.
- 7 - VISIT PROJECT SITE FOR FAMILIARIZATION AND VERIFY EXACT LOCATION OF POWER AND TELEPHONE SERVICES WITH THE COMPANY REPRESENTATIVE AND THE COORDINATOR OF ANY CONFLICTS.
- 8 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES AS WELL AS PROVIDING TEMPORARY POWER AT PROJECT SITE FOR ALL TRADES.
- 9 - ALL MATERIALS SHALL BE NEW OF AMERICAN MANUFACTURE AND BEAR THE UNDERWRITERS LABORATORY AND UNION LABELS AS APPLICABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE DELIVERY SCHEDULE OF MATERIALS.
- 10 - ALL EQUIPMENT INSTALLED SHALL BE OF MANUFACTURE AND TYPE SPECIFIED; ANY OTHERS SHALL HAVE THE ENGINEER'S PRIOR APPROVAL. PROVIDE SIX SETS OF SHOP DRAWINGS.
- 11 - VERIFY EXACT LOCATION OF ALL OUTLETS WITH ARCHITECTURAL DRAWINGS AND WITH THE OWNER.
- 12 - CORRECTION OF ANY DEFECTS, REPAIR OF DAMAGE DURING CONSTRUCTION AS WELL AS ANY MINOR CHANGES IN OUTLET LOCATIONS SHALL BE MADE WITHOUT ADDITIONAL COST.
- 13 - VERIFY EQUIPMENT SIZES, VOLTAGE AND CURRENT CHARACTERISTICS, ETC., BEFORE ORDERING ANY EQUIPMENT AND BEFORE ROUGHING-IN FOR EQUIPMENT TO BE SUPPLIED BY OTHERS. NOTIFY ENGINEER OF ANY CONFLICT.
- 14 - CIRCUITS INDICATED ON PLANS ARE DIAGRAMMATIC; ROUTE AND COMBINE FOR BEST CONCEALMENT AND VERIFY EXACT WALL CONSTRUCTION AND STRUCTURE BEFORE INSTALLATION.
- 15 - UNLESS OTHERWISE NOTED, MINIMUM BRANCH CIRCUIT WIRE SHALL BE NO. 12 AWG; NO. 10 AWG AND SMALLER SHALL BE SOLID COPPER WITH THWN OR THHN INSULATION; NO. 8 AWG AND LARGER SHALL BE STRANDED COPPER WITH THWN OR THHN INSULATION. GROUNDING SHALL BE PER N.E.C. ART. 250.
- 16 - ALL WIRING SHALL BE IN RACEWAYS, AS FOLLOWS: A) UNDERGROUND OR IN GROUND FLOOR SLAB OR CAST IN CONCRETE ABOVE GROUND - PVC SCH. 40 WITH GREEN BOND WIRE, OR ASPHALT-COLORED RIGID GALVANIZED STEEL. B) INTERIOR WORK - EMT. C) EXPOSED OUTSIDE - RIGID GALVANIZED STEEL. D) CONNECTIONS TO EQUIPMENT - FLEXIBLE CONDUIT, LIQUID-TIGHT IN WET LOCATIONS.
- 17 - PROVIDE NO. 16 AWG PULL WIRES IN ALL EMPTY CONDUITS FOR FUTURE USE.
- 18 - FURNISH AND INSTALL HEAVY DUTY DISCONNECT SWITCHES AND MOTOR STATUES AS SHOWN AND AS REQUIRED BY THE ELECTRICAL CODE, AS FURNISHED BY OTHERS. FUSES SHALL BE DUAL ELEMENT, TIME DELAY.
- 19 - PROVIDE ACCURATELY TYPED PANEL DIRECTORIES. PROVIDE AND INSTALL PLASTIC TAPE LABELS FOR ALL ELECTRICAL DISTRIBUTION DEVICES SUCH AS PANELS, DISCONNECT SWITCHES, GUTTERS, ETC.; INDICATING DEVICE NAME, VOLTAGE, PHASE, ETC.
- 20 - ALL TELEPHONE OUTLETS SHALL BE CONNECTED WITH MINIMUM OF 3/4" RACEWAY.
- 21 - WIRING DEVICE PLATES IN FINISHED AREAS SHALL BE OF PHENOLIC COMPOUND WITH POLISHED FINISH. WIRING DEVICE PLATES IN UNFINISHED AREAS SHALL BE GALVANIZED STEEL WITH ROUNDED CORNERS FOR SURFACE MOUNTED BOXES.
- 22 - ALL BALLASTS SHALL BE INDIVIDUALLY FUSED. ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC, AND LAMPS SHALL BE T-8 AS INDICATED.
- 23 - ELECTRICAL DESIGN WORK INDICATED ON THESE PLANS IS IN COMPLIANCE WITH APPLICABLE REQUIREMENTS OF THE STATE OF FLORIDA MODEL ENERGY CODE.
- 24 - EXCEPT AS NOTED HEREIN, ALL ELECTRICAL WORK SHALL BE BUILDING STANDARD.
- 25 - OUTLET, DEVICE, AND JUNCTION BOXES SHALL BE SIZED PER N.E.C. TABLE 370-16(a) BASED ON QUANTITY AND SIZE OF CONDUCTORS PASSING THROUGH.
- 26 - AT EXISTING FIRE RATED WALLS, ADJUST INDICATED LOCATION OF OUTLETS WITHIN TENANT SPACE AS NECESSARY TO MAINTAIN A 24" MINIMUM HORIZONTAL SEPARATION BETWEEN OUTLET BOXES ON OPPOSITE SIDES OF THE WALL, IN COMPLIANCE WITH N.E.C. ART. 300-21.

 2a. CEILING OUTLET. "2" = CIRCUIT NO. "a" = SWITCH LEG. SHADING INDICATES EXHAUST LIGHTING
 RECESSED OR LAY-IN FLUORESCENT FIXTURE
 RECESSED DOWNLIGHT; "←" = INDICATES WALL WASHER
 FLUORESCENT STRIP LIGHT. COVE-MOUNTED
 CEILING-MOUNTED EXIT SIGN. "←" = INDICATES DIRECTIONAL ARROW
 SINGLE-POLE TOGGLE SWITCH; "OC" INDICATES OCCUPANCY SENSOR
 TOGGLE SWITCH RATED 120V-20A. 3=THREE-WAY
 LIGHTING FIXTURE TYPE. "4" = QUANTITY IN ROOM
 HOME RUN TO PANEL; "A" = PANEL DESIGNATION, "1,3,5" = CIRCUIT NOS., TICKS = NO. OF WIRES
 CONDUIT RUN CONCEALED IN CEILING OR WALLS
 CEILING MOUNTED OCCUPANCY SENSOR.
 CONDUIT END. CAPPED OR BUSHED AS REQUIRED
 FLEXIBLE CONDUIT CONNECTION, LIQUID-TIGHT CONDUIT IN WET OR OILY LOCATIONS
 SAFETY SWITCH: "3" = NO. OF POLES, "60" = SWITCH SIZE, "50" = FUSE SIZE, "600" = VOLTAGE IF OTHER THAN 250 VOLT
 CEILING-MOUNTED JUNCTION BOX
 WALL-MOUNTED JUNCTION BOX
 DUPLEX CONVENIENCE RECEPTACLE; NEMA CONFIG. #5-15R
 QUADRUPLEX CONVENIENCE RECEPTACLE; NEMA CONFIG. #5-15R
 SINGLE RECEPTACLE; #5-20R
 COMBINATION VOICE / DATA WALL OUTLET

T.T.B. DENOTES TELEPHONE TERMINAL BOARD, 3/4" PAINTED PLYWOOD

 LIGHTING PANELBOARD, 120/208 VOLT, 3-PHASE, 4-WIRE

E NEXT TO OUTLET, FIXTURE, ETC., DENOTES EXISTING TO REMAIN

ER NEXT TO OUTLET, FIXTURE, ETC., DENOTES EXISTING RELOCATED

A.F.F. INDICATES ABOVE FINISHED FLOOR

G.F.I. INDICATES GROUND FAULT CIRCUIT INTERRUPTOR

 SMOKE DETECTOR. CEILING-MOUNTED
 COMBINATION FIRE ALARM HORN/STROBE. CEILING-MOUNTED.
 FIRE ALARM STROBE LIGHT. CEILING-MOUNTED.
 HEAT DETECTOR. CEILING-MOUNTED

- ① PROVIDE NEW CEILING-MOUNTED FIRE ALARM STROBE, RATED AS INDICATED CONNECT TO NEW POWER SUPPLY TO BE LOCATED IN FLOOR ELEC. RM.
- ② PROVIDE NEW CEILING-MOUNTED FIRE ALARM HORN / STROBE, RATED AS INDICATED, CONNECT TO NEW POWER SUPPLY TO BE LOCATED IN FLOOR ELECTRICAL ROOM.
- ③ PROVIDE NEW CEILING-MOUNTED FIRE ALARM SMOKE DETECTORS TO PROVIDE FULL COVERAGE WITHIN THE SCOPE OF THIS WORK. CONNECT TO EXISTING FLOOR ZONE IN EXISTING FIRE ALARM PANEL
- ④ PROVIDE NEW CEILING-MOUNTED FIRE ALARM HEAT DETECTOR. CONNECT TO FLOOR LOCAL ZONE IN EXISTING FIRE ALARM PANEL
- ⑤ STROBE CANDELA RATINGS INDICATED ARE DESIGNED TO COMPLY WITH FLORIDA BUILDING CODE VIA THE "EQUIVALENT FACILITATION" PROVISION.
- ⑥ ALL FIRE ALARM WORK SHALL BE PERFORMED IN ACCORDANCE WITH PRESENT BUILDING CODE AND STANDARDS. CONTRACTOR SHALL INCLUDE ALL NECESSARY ACCESSORY ITEMS RELATED TO PROPER OPERATION OF THIS TENANT'S PORTION OF FIRE ALARM SYSTEM AS PART OF THIS SCOPE OF WORK, INCLUDING STROBE POWER SUPPLIES, ADDITIONAL BATTERIES, AND ANY REQUIRED SYSTEM RE-PROGRAMMING.
- ⑦ CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR APPROVAL BY CONTRACTOR-OF-RECORD AND BY LOCAL AUTHORITIES. IF REQUIRED BY PROJECT SCOPE, PROVIDE SEPARATE SET OF FIRE ALARM DRAWINGS, SIGNED AND SEALED BY MANUFACTURER'S OR FIRE ALARM CONTRACTOR'S OWN ENGINEER, ACTING AS "DELEGATE ENGINEER" PER FLORIDA ADMINISTRATIVE CODE #61615-30.006. REFER TO SHOP DRAWINGS OR SEPARATE FIRE ALARM DRAWINGS FOR:
 - EXISTING AND NEW DEVICE SPECIFICATIONS,
 - WIRING SPECIFICATIONS, AND
 - VOLTAGE-DROP AND BATTERY CALCULATIONS
- ⑧ BUILDING FIRE ALARM SYSTEM SHALL BE MAINTAINED FULLY OPERATIONAL AT ALL TIMES DURING CONSTRUCTION. ALL EXISTING OCCUPIED AREAS SHALL REMAIN PROTECTED BY FIRE ALARM SYSTEM DURING CONSTRUCTION.

TYPE ○	MANUFACTURER	NUMBER	MOUNT	VOLT	LAMPS		REMARKS
					NO.	TYPE	
A	LITHONIA	2GT8-332-A12-GE8	LAY-IN	120	3	F032 TB 835	TO MATCH EXISTING-VERIFY IN FIELD
B	LITHONIA	AF1/26TRT6-120	RECESSED	120	1	CF26 835	
C	LITHONIA	2GT8-332-A12-GE8-EL	LAY-IN	120	3	F032 TB 835	W/EM BATTERY PACK- (SEE NOTE X) (A)
X	* BUILDING	STANDARD *	CEILING	120	-	L.E.D. (INCLUDED)	COORDINATE SPEC. W/ BLDG MGMT. W/EM BATTERY PACK- (SEE NOTE X) (A)

SEE NOTE X: EMERGENCY BATTERY PACKS SHALL BE RATED FOR 90 MINUTES (MIN.)

REFER TO SHT. E-1

Scale: $1/4" = 1'0"$

DESIGN TEAM:

BARRERA
ARCHITECTURE
ARCHITECTURE • PLANNING • INTERIORS
2121 Douglas Road, Mirri, FL 33145 (305) 441-1644

PROJECT:

JCS

JEWISH COMMUNITY SERVICES

333 41ST.
MIAMI BEACH , FLORIDA
SUITES 208 & 210

MANAGEMENT:

1	FIRE DEPT. COMMENTS	05/07/12
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#	REVISIONS	DATE
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DATE: 03/19/12

PROJECT No.: 1016.00

DRAWN BY: LFC

CHECKED BY: E. VILATO

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City of Miami Beach
Fire Prevention Division
PLANS APPROVED

SHEET TITLE:

LIGHTING PLAN

SHEET No:

E-2

RICARDO A. MARTIN, FL. P.E. #16390
ENRIQUE G. VILATO, FL. P.E. #11684
SILVA VILATO LACASA, FL. P.E. #47117

M MARTIN - VILATO
ASSOCIATES, INC.
CONSULTING ENGINEERS

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Miami, Florida 33129
Tel - (305) 854-8977
Fax - (305) 854-2591

C.A. #3368

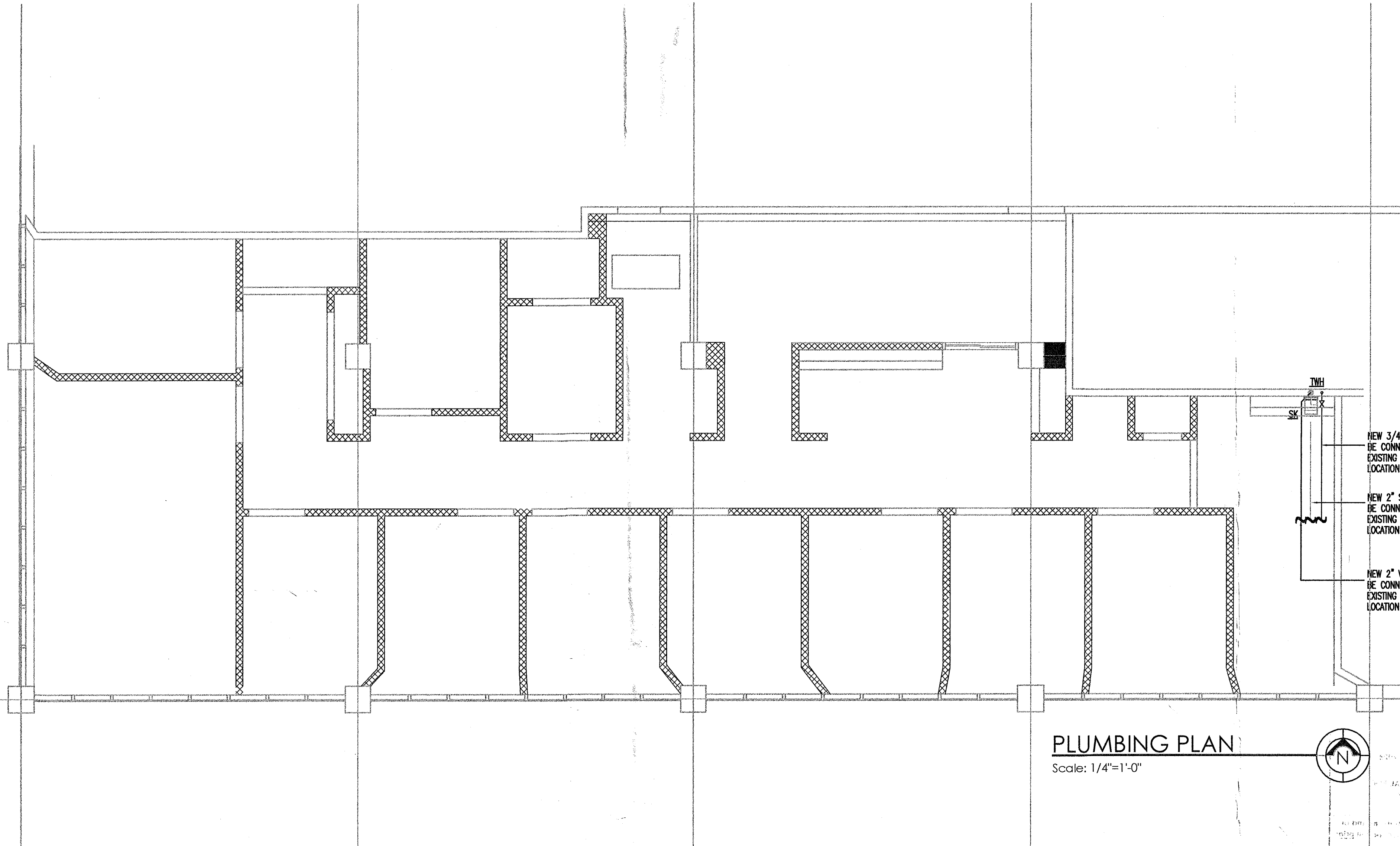
PLUMBING GENERAL NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH FLORIDA BUILDING CODE 2004.
2. BUILDING DRAINAGE SYSTEM DESIGN BASED ON 1/4" / FT. MINIMUM FALL FOR 2 1/2" DRAINAGE LINE OR SMALLER, 1/8" / FT. MINIMUM FALL FOR DRAINAGE LINES GREATER THAN 2 1/2". ANY DEVIATIONS SHALL BE APPROVED BY ARCHITECT & ENGINEER.
3. MATERIALS SHALL BE NEW AS SPECIFIED IN BASE BUILDING SPECIFICATIONS.
4. MATERIALS SHALL BE ALL NEW AND AS FOLLOWS:
A) WATER PIPING SHALL BE SUBJECTED TO HYDROSTATIC PRESSURE TEST AS SPECIFIED IN BASE BUILDING SPECIFICATIONS.
B) DRAINAGE PIPING SHALL BE TESTED ACCORDING TO BASE BUILDING SPECIFICATIONS.
C) CORRECT ALL DEFECTS DISCLOSED BY ABOVE TESTS.
5. STERILIZE ALL WATER LINES AS SPECIFIED IN BASE BUILDING SPECIFICATIONS.
6. COMPLETE SYSTEM FIXTURES AND EQUIPMENT SHALL BE GIVEN AN IN-SERVICE TEST AFTER COMPLETION OF THE INSTALLATION.
7. PLUMBING CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE THAT ALL PLUMBING WORK SHALL BE FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE, AND THAT HE WILL, AT HIS EXPENSE, REPAIR AND REPLACE ALL WORK WHICH BECOMES DEFECTIVE DURING GUARANTEE PERIOD.
8. PLUMBING CONTRACTOR TO VERIFY EXISTING PIPING LOCATION AND SIZES AND COORDINATE WITH OTHER TRADES AND NOTIFY A/E OF ANY CONFLICT OR PROBLEM BEFORE COMMENCING WORK.

PLUMBING LEGEND

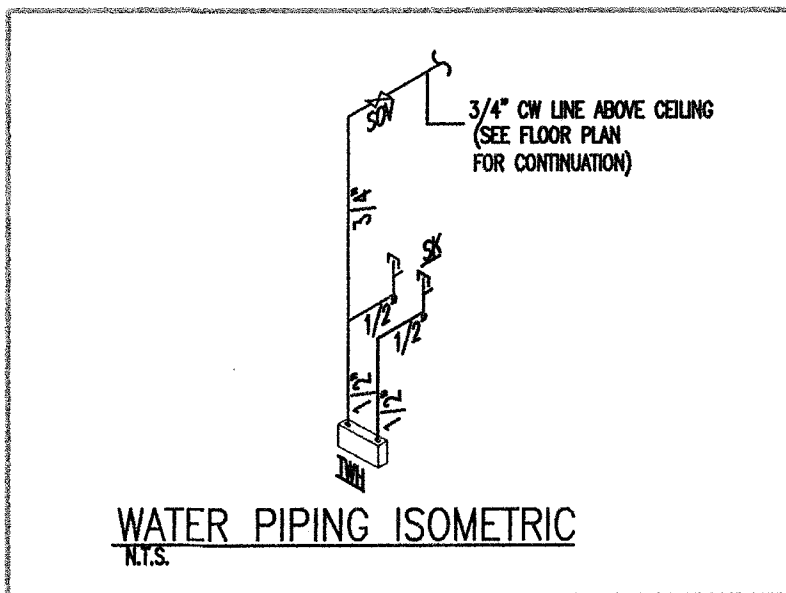
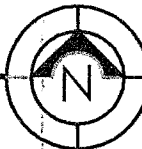
DW	DISH WASHER	(SW) SANITARY
CW	COFFEE MAKER	(V) VENT
REF	REFRIGERATOR	(CW) COLD WATER
TWH	TANKLESS WATER HEATER	(HW) HOT WATER
CO	WALL CLEAN OUT	
KS	KITCHEN SINK	
LAV	LAVATORY	
WC	WATER CLOSET	
(N)	NEW	
(E)	EXISTING	

FOR EXISTING TOILET FACILITIES, REFER TO DRAWING A-1.3



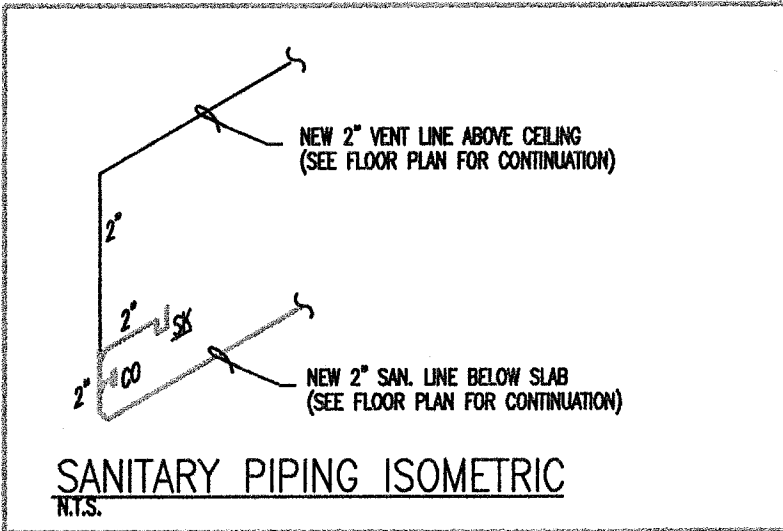
PLUMBING PLAN

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

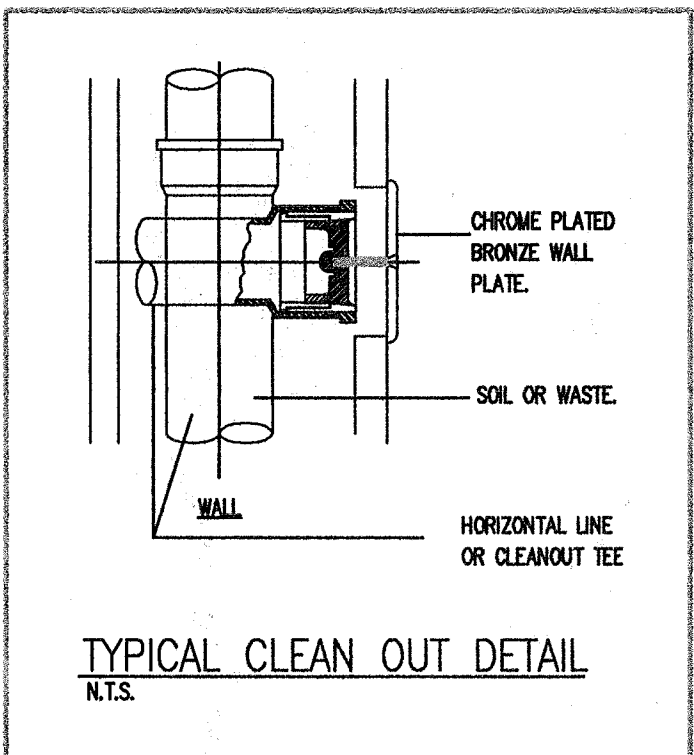


WATER PIPING ISOMETRIC
N.T.S.

TWH: MET. CHROMIUM LABORATORIES INSTANT FLOW TANKLESS WATER HEATER
MODEL No. SR-15L WITH 277/1/80, 4.15 KW, 15 AMP.



SANITARY PIPING ISOMETRIC
N.T.S.



TYPICAL CLEAN OUT DETAIL
N.T.S.

DESIGN TEAM:

BARRERA
ARCHITECTURE

ARCHITECTURE • PLANNING • INTERIORS

2121 Douglas Road, Miami, FL 33145 (305) 441-1844

PROJECT:

JCS

JEWISH COMMUNITY SERVICES

333 41ST.
MIAMI BEACH, FLORIDA
SUITES 208 & 210

MANAGEMENT:

#	REVISIONS	DATE
1	BUILDING DEPARTMENT COMMENT	5.7.12
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City of Miami Beach
Fire Prevention Division
PLANS APPROVED



PLUMBING PLAN

SHEET No.

P-1

RICARDO A. MARTIN, FL P.E. #16390
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Fax: (305) 854-2891
C.A. #3368

48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-673-7000

PLAN REVIEW NOTICE
Phone 305-673-7000 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR
OBTAINING BUILDING PERMIT ONLY.

All construction and/or use of equipment in the right-of-way and/or
easements, requires a separate Public Works Department permit prior
to start of construction.

Permit Requirements: Proof of existing sidewalk/swale area conditions
(pictures) and/or posting of sidewalk/roadway bonds
(Public Works Inspection of the right-of-way will be required prior to
final sign-off on the C.C. / C.O., or the release of bonds.)

Approved/Reviewed By:

Date:

OFFICE COPY
CITY OF MIAMI BEACH

APPROVED FOR PERMIT BY:

THE FOLLOWING:

BUILDING:

ZONING:

DRB/HPB:

CORRENCY:

PLUMBING:

ELECTRICAL:

MECHANICAL:

FIRE PREVENTION:

ENGINEERING:

PUBLIC WORKS:

STRUCTURAL:

ELEVATOR:

7/10/12 7/16/12 7/17/12 7/18/12 7/19/12 7/20/12 7/21/12 7/22/12 7/23/12 7/24/12 7/25/12 7/26/12 7/27/12 7/28/12 7/29/12 7/30/12 7/31/12 8/1/12 8/2/12 8/3/12 8/4/12 8/5/12 8/6/12 8/7/12 8/8/12 8/9/12 8/10/12 8/11/12 8/12/12 8/13/12 8/14/12 8/15/12 8/16/12 8/17/12 8/18/12 8/19/12 8/20/12 8/21/12 8/22/12 8/23/12 8/24/12 8/25/12 8/26/12 8/27/12 8/28/12 8/29/12 8/30/12 8/31/12 9/1/12 9/2/12 9/3/12 9/4/12 9/5/12 9/6/12 9/7/12 9/8/12 9/9/12 9/10/12 9/11/12 9/12/12 9/13/12 9/14/12 9/15/12 9/16/12 9/17/12 9/18/12 9/19/12 9/20/12 9/21/12 9/22/12 9/23/12 9/24/12 9/25/12 9/26/12 9/27/12 9/28/12 9/29/12 9/30/12 10/1/12 10/2/12 10/3/12 10/4/12 10/5/12 10/6/12 10/7/12 10/8/12 10/9/12 10/10/12 10/11/12 10/12/12 10/13/12 10/14/12 10/15/12 10/16/12 10/17/12 10/18/12 10/19/12 10/20/12 10/21/12 10/22/12 10/23/12 10/24/12 10/25/12 10/26/12 10/27/12 10/28/12 10/29/12 10/30/12 10/31/12 11/1/12 11/2/12 11/3/12 11/4/12 11/5/12 11/6/12 11/7/12 11/8/12 11/9/12 11/10/12 11/11/12 11/12/12 11/13/12 11/14/12 11/15/12 11/16/12 11/17/12 11/18/12 11/19/12 11/20/12 11/21/12 11/22/12 11/23/12 11/24/12 11/25/12 11/26/12 11/27/12 11/28/12 11/29/12 11/30/12 12/1/12 12/2/12 12/3/12 12/4/12 12/5/12 12/6/12 12/7/12 12/8/12 12/9/12 12/10/12 12/11/12 12/12/12 12/13/12 12/14/12 12/15/12 12/16/12 12/17/12 12/18/12 12/19/12 12/20/12 12/21/12 12/22/12 12/23/12 12/24/12 12/25/12 12/26/12 12/27/12 12/28/12 12/29/12 12/30/12 12/31/12

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PLUMBING GENERAL NOTES:

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- BUILDING DRAINAGE SYSTEM DESIGN BASED ON 1/4" / FT MINIMUM FALL FOR 2 1/2" DRAINAGE LINE OR SMALLER, 1/8" / FT MINIMUM FALL FOR DRAINAGE LINES GREATER THAN 2 1/2". ANY DEVIATIONS SHALL BE APPROVED BY ARCHITECT & ENGINEER.
- MATERIALS SHALL BE NEW AS SPECIFIED IN BASE BUILDING SPECIFICATIONS
- MATERIALS SHALL BE ALL NEW AND AS FOLLOWS:
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PLUMBING LEGEND

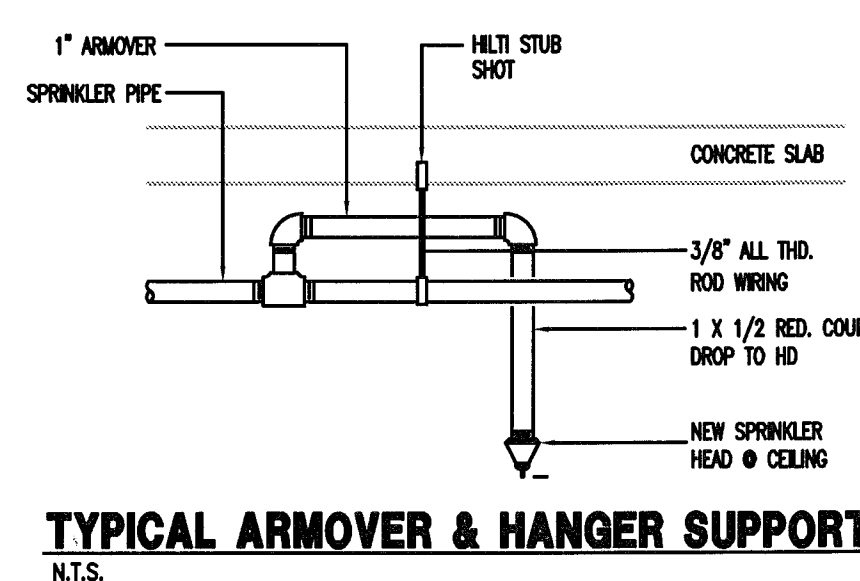
DW	DISH WASHER	(S/W) SANITARY
CM	COFFEE MAKER	(V) VENT
REF	REFRIGERATOR	(C/W) COLD WATER
TWH	TANKLESS WATER HEATER	(H/W) HOT WATER
CO	WALL CLEAN OUT	
KS	KITCHEN SINK	
LAV	LAVATORY	
WC	WATER CLOSET	
(N)	NEW	
(E)	EXISTING	

FIRE PROTECTION GENERAL NOTES

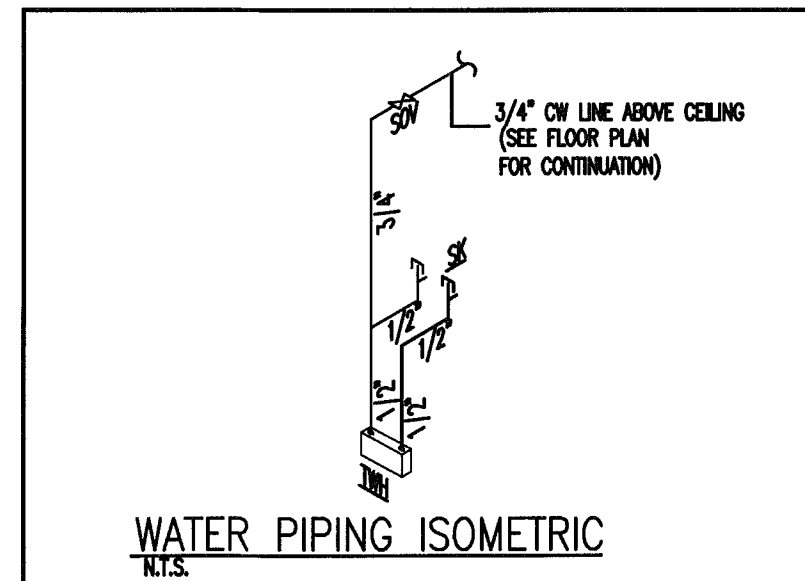
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 - NEW DEVICE SPECIFICATIONS,
 - PIPING SPECIFICATIONS, AND
 - HYDRAULIC CALCULATIONS
- FIRE SPRINKLER HEADS SHALL BE EXTENDED TO NEW CEILING AND RELOCATE, OR AS SHOWN IN THE DRAWINGS. ALL WORK SHALL BE IN ACCORDANCE WITH N.F.P.A. BULLETIN "13" (ORDINARY HAZARD), LOCAL FIRE MARSHAL REQUIREMENTS, AND MDDA DCM SECTION 13900 AND 13910.
- ALL SPRINKLER SHALL BE NEW BY "RELIABLE", MODEL - G4, (5.8K / 150") SPRINKLER HEADS SHALL BE RECESSED TYPE ENCASED IN A WHITE CLOSURE IN ALL CEILINGS. ALL FIRE SPRINKLER PIPING SHALL BE BLACK STEEL SCHEDULE 40.
- SPRINKLER CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.

FIRE PROTECTION LEGEND

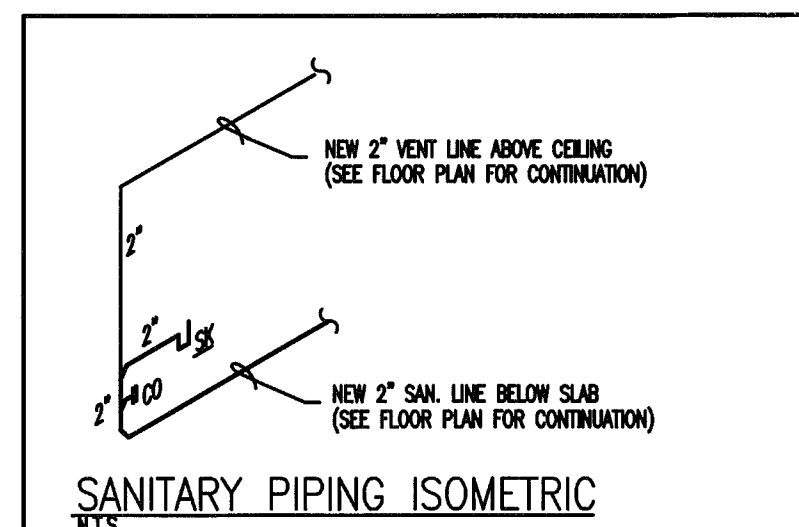
- EXISTING TO REMAIN
- ⊗ EXISTING SPRINKLER HEAD TO BE REMOVED
- PREVIOUS LOCATION OF SPRINKLER HEAD
- ⊗ (R) EXISTING/RELOCATED SPRINKLER HEAD
- (N) NEW SPRINKLER HEAD
- EXISTING SPRINKLER LINE TO BE REMAIN
- NEW SPRINKLER LINE



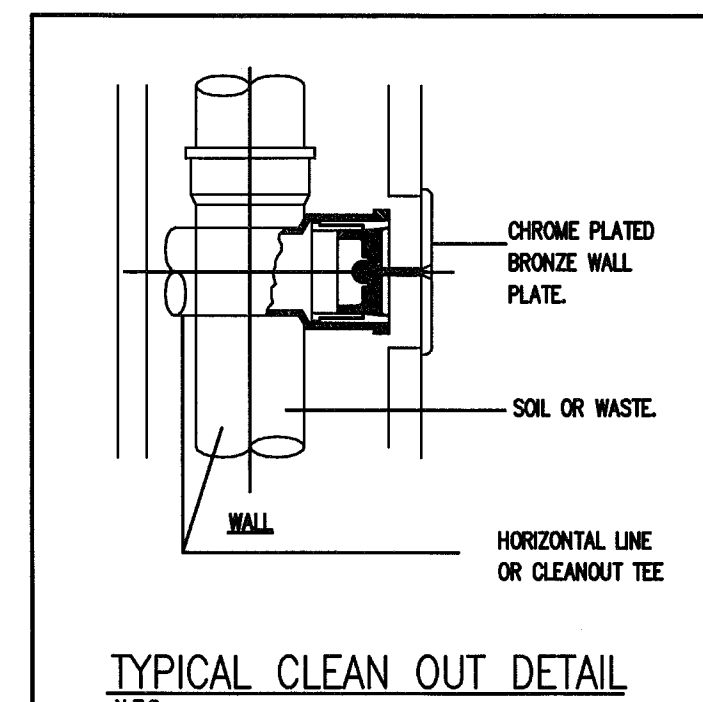
TYPICAL ARMOVER & HANGER SUPPORT
N.T.S.



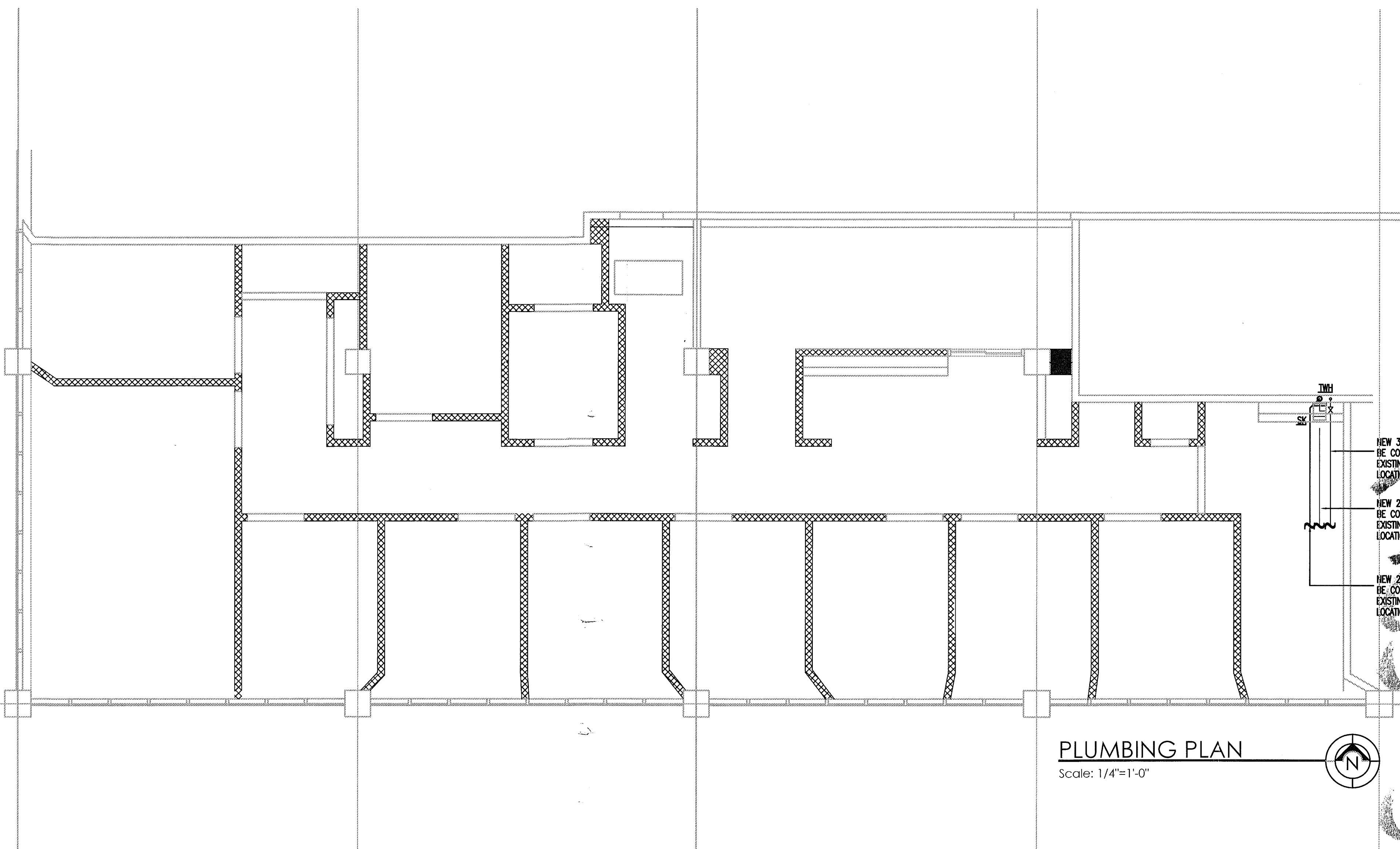
WATER PIPING ISOMETRIC
N.T.S.



SANITARY PIPING ISOMETRIC
N.T.S.



TYPICAL CLEAN OUT DETAIL
N.T.S.



PLUMBING PLAN

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

DESIGN TEAM:

BARRERA
ARCHITECTURE
ARCHITECTURE • PLANNING • INTERIORS
2121 Douglas Road, Miami, FL 33146 (305) 441-1644

PROJECT:

MANAGEMENT:

#	REVISIONS	DATE
1	03/15/12	
2		
3		
4		
5		
6		
7		
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14		
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20		



SHEET TITLE:

PLUMBING PLAN

SHEET No:

P-1

RICARDO A. MARTIN, FL. P.E. #16390
ENRIQUE G. VILATO, FL. P.E. #11884
SILVA VILATO LACASA, FL. P.E. #47117
MARTIN - VILATO
ASSOCIATES, INC.
CONSULTING ENGINEERS
2730 S.W. 3rd Ave., Suite 402
Miami, Florida 33129
(305) 854-6972
Fax - (305) 854-2591
C.A. #3368

B1202933
333 W 41st St
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CITY OF MIAMI BEACH
REFERENCE
ONLY

CITY OF MIAMI BEACH
REFERENCE
ONLY

48 HOURS PRIOR TO EXCAVATING
CONTRACTOR SHALL CALL FOR LOCATION
OF UNDERGROUND UTILITIES
SUNSHINE ONE-CALL 1-800-432-4770
CITY OF MIAMI BEACH 305-673-7080

**PUBLIC WORKS
PLAN REVIEW NOTICE**
Phone 305-673-7080 Fax 305-673-7028

THIS PLAN REVIEW CONSTITUTES APPROVAL FOR
OBTAINING BUILDING PERMIT ONLY.

All construction and/or use of equipment in the right-of-way and/or
easements, requires a separate Public Works Department permit prior
to start of construction.

Permit Requirements: Proof of existing sidewalk/swale area conditions
(pictures) and/or posting of sidewalks/readway bonds
(Public Works Inspection of the right-of-way will be required prior to
final sign-off on the C.C. / C.O., or the release of bonds.)

Approved/Reviewed by: EUC-4-6-2012

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

BUILDING: 24/12
ZONING: _____
DBA/HPB: _____
CONCURRENCY: _____
PLUMBING: _____
ELECTRICAL: 24/12
MECHANICAL: _____
FIRE PREVENTION: _____
ENGINEERING: _____
PUBLIC WORKS: EUC-4-6-2012
STRUCTURAL: WV 4-6-12
ELEVATOR: _____


Derm Number: 2012-0509-1135-3817
Contact Name: FRITZ MASSON
Contact Phone: 305/710-1118
Folio: 02-222-001-0980
Project Name: JCS
Date Received: 05/09/2012
Developer Name: _____

DERM
PLAN REVIEW
FINAL
APPROVAL
DEPARTMENT OF ENVIRONMENTAL
RESOURCES MANAGEMENT

CORE REVIEWER (PRINT): MAYRA TOR
SIGNATURE: [Signature] DATE: 5-14-12
Office use. Dry use only.



0118
12.04.12

9221 Lyndon B. Johnson Freeway, #204, Dallas, TX 75243 ★ PHONE 972-231-8893 ★ FAX 1-866-364-8375
www.allprocgi.com ★ e-mail: info@allprocgi.com

October 15, 2012

Tamara Williamson
Sprint - Ericsson
300 S Park Road, Suite 150
Hollywood, FL 33021

Ref: Sprint Site # MI03XC166 – Midtown Medical Center
333 West 41st Street, Miami, FL 33140
ACGI Job #12-1562-Rev 1 for correct exposure category and risk factor
Structural impact study of the proposed Sprint Ericsson antennas attached to the existing penthouse wall and existing rooftop pipe mounts at 116' ± above ground elevation and Sprint equipments inside existing equipment room on the 9th Floor level.
Applicable Codes: FBC 2010, ASCE 7-10, AISC; Wind Speed: 186 mph; Risk Category: II;
Building Exposure : "D"

Dear Tamara:

As per your request we are providing the structural load calculations and impact of the Sprint Ericsson Panel antennas with related coax lines and radio equipment/cabinets as listed below.

*TEMPORARY EXISTING + PROPOSED SPRINT LOAD DESCRIPTION			
ELEV.	LOADING TYPE	AZ.	TX. LINE
116' ±	Existing (3) CDMA panel antennas mounted to penthouse wall and existing rooftop pipe mounts	0/120/240°	Existing (6) 1-5/8" coax (estimated)
116' ±	Proposed (3) RFS APXV9ERR18-C panel antennas + (12) RRUS 11 + (3) RRU A2 module attached to the penthouse wall and existing rooftop pipe mounts	0/150/250°	Prop. (3) 1-1/4" Hybrid Cables
9th Floor	Existing Sprint equipment inside equipment room on the 6th Floor level	-	-

*Temporary load case shall only last for a maximum of 180 days

FINAL PROPOSED SPRINT LOAD DESCRIPTION			
ELEV.	LOADING TYPE	AZ.	TX. LINE
116' ±	Proposed (3) RFS APXV9ERR18-C panel antennas + (12) RRUS 11 + (3) RRU A2 module attached to the penthouse wall and existing rooftop pipe mounts	0/150/250°	Prop. (3) 1-1/4" Hybrid Cables
9th Floor	Proposed (1) PBC 6200 and (1) Baseband racks inside equipment room on the 6th Floor level	-	-

SOURCE OF THE DATA: Existing building data collected as per rooftop mapping by Aron Garcia of Allpro Consulting Group, Inc., dated 4/16/2012.

LOCATION OF NEW PANELS: The proposed alpha panel antenna will be mounted on new 3" X-STR (3.5"OD x 0.300" W) pipe mounts on the penthouse wall. The proposed RRUs shall be mounted behind the panel antennas or on separate 3" X-STR (3.5"OD x 0.300" W) pipe mounts. The proposed beta & gamma panel antennas will be mounted on the existing rooftop penetrating pipe mounts. Please refer to the site plan and elevation as on pages 3 & 4.

LOCATION OF NEW CABINETS: The proposed equipments will be placed inside the existing Sprint equipment room on the 9th Floor level as depicted on page 3 and 4 of this letter.

NOTICE: In addition to the requirement of this permit, there may be additional restrictions applicable to this property that may be found in the Public Records of this County and there may be additional permits required from other government entities such as water management's districts, state agencies, or federal agencies.
The City of Miami Beach assumes no responsibility for accuracy of or results from these plans which are approved subject to compliance with all Federal, State, and Local Laws, Rules, and Regulations.

B1300106



0118
12.04.12

9221 Lyndon B. Johnson Freeway, #204, Dallas, TX 75243 ★ PHONE 972-231-8893 ★ FAX 1-866-364-8375
www.allprocgi.com ★ e-mail: info@allprocgi.com

RESULTS: Based on our structural review, the proposed antennas & RRUs will not be detrimental to the rooftop penthouse wall or existing penetrating rooftop pipe mounts. The existing equipment room floor will be able to withstand the loads from the proposed Sprint Ericsson Network Vision Indoor Solution racks. The existing equipment room floor, penthouse wall, pipe mounts, and all other aspects of the mount structure that will support the proposed Sprint loading are in code compliance. Please refer to attached calculations for more details. The temporary load shall only last for a maximum of 180 days.

Component Checked	Loads	Result	Comments
Pipe Mounts	Proposed Antennas	OK - Design moment is greater than the factored-load moment.	In Code Compliance
Existing Equipment room floor	Proposed Cabinets	OK - New racks installed on 9 th Floor level.	In Code Compliance

The professional engineer certifies the analysis and designs are inclusive of the entire structure including platform, pipe mounts, and all other aspects of the structure that will support the Sprint Network Vision Equipment Deployment.

DISCLAIMER: All antenna and equipment installations are to be installed by a contractor who is experienced in similar work. The scope of this analysis does not include the loads induced during installation. All installation loads and procedures are the responsibility of the contractor. *The contractor shall field verify all dimensions and fit before fabrication.* Please contact me if additional clarifications are needed.

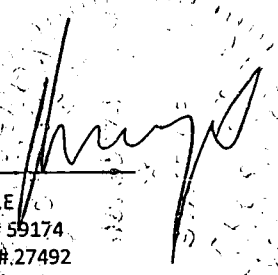
Sincerely,

10/15/2012

By:
Ajay Raj Bagale, EIT

Encl:

1. Site Plan Sketch
2. Site Elevation Sketch
3. Mathcad calculation printout
4. Mapping

Approved by 
Rajesh Sehgal, P.E.
Florida License # 55174
ACGI Corporate # 27492

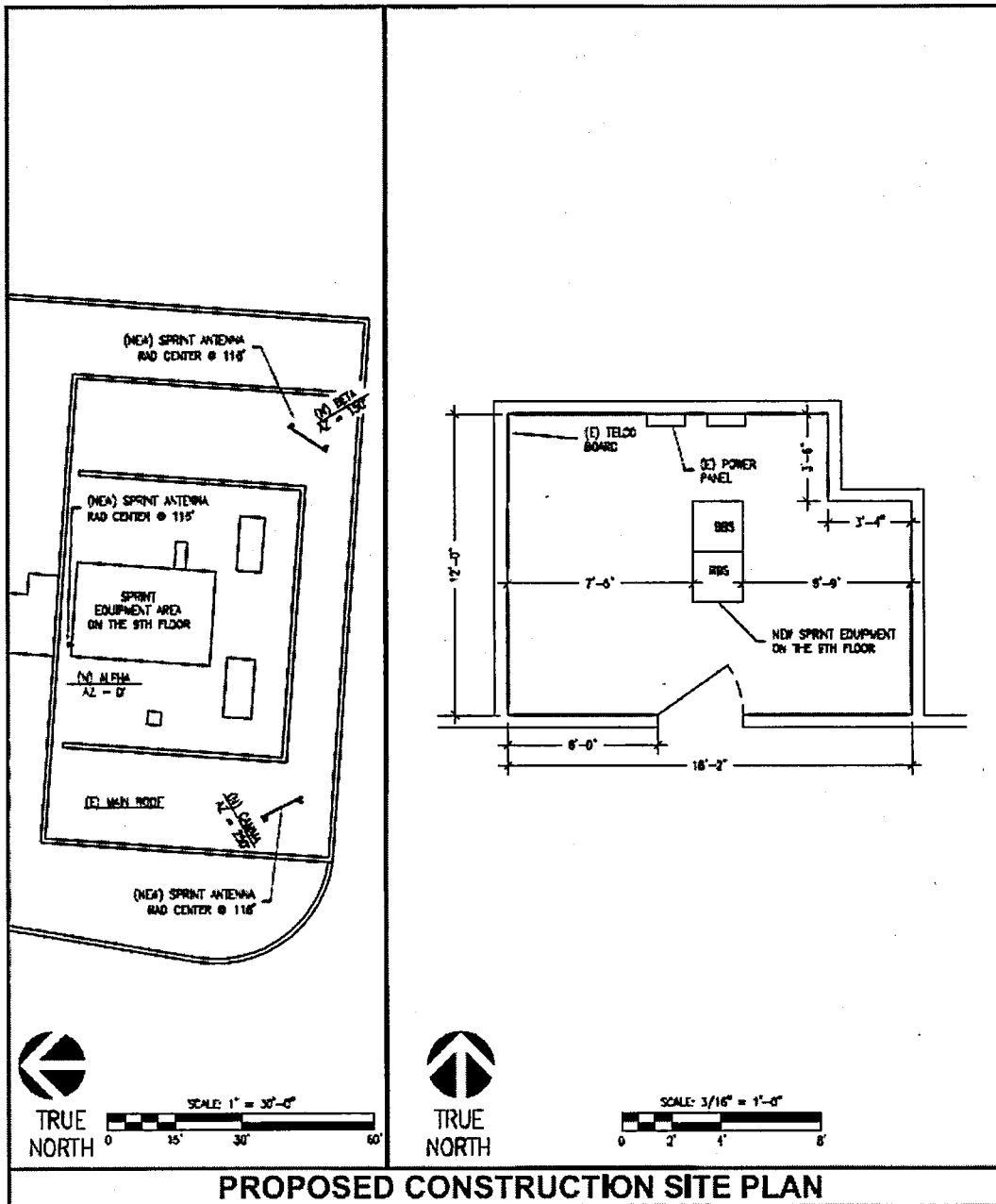
Passed: ✓

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12.04.12

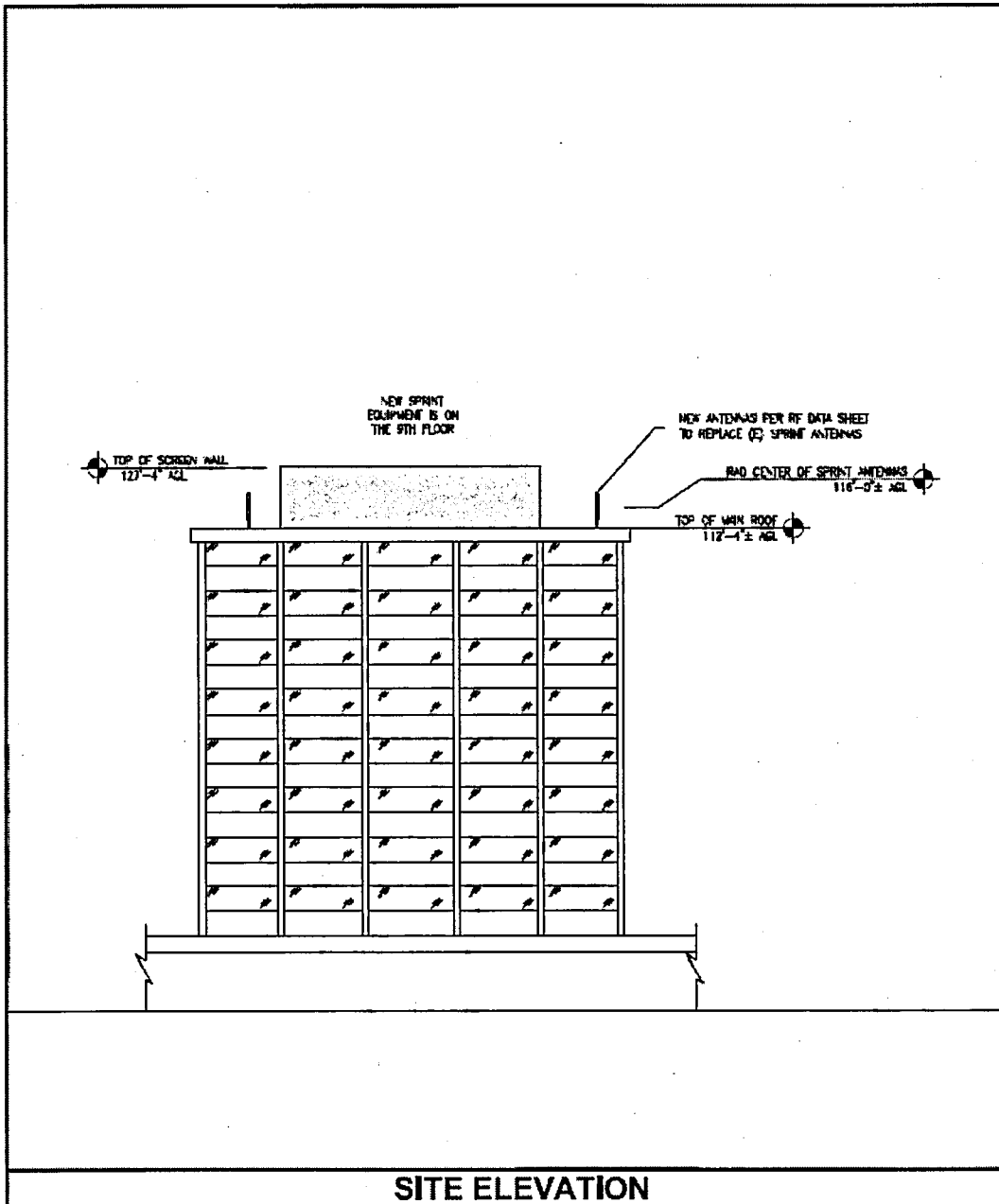
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www.allprocgi.com ★ e-mail: info@allprocgi.com





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www.allprocgi.com * e-mail: info@allprocgi.com



CIB

ROOFTOP & ANTENNA LOAD ANALYSIS

10.04.12

Sprint # MI03XC166**333 West 41st Street
Miami, FL 33140****ACGI # 12-1562
Rev1****Prepared for:****Sprint - Ericsson****By:****Allpro Consulting Group, Inc.
9221 Lyndon B. Johnson Freeway, #204
Dallas, TX 75243
Phone: 972-231-8893
Fax: 866-364-8375****October 15, 2012**

LOAD CALCULATION FOR EXISTING ROOFTOP AND NEW ANTENNAS:

PROJECT DESCRIPTION: Calculation of loads for proposed Sprint antennas on new pipe mounts on existing rooftop penthouse wall. Analysis of the complete building rooftop is not in the scope of these calculations.

Applicable codes: FBC 2010, ASCE7-10, AISC

INPUT DATA**-Structure Data-**

Antenna Height: $H_{ant} := 116 \cdot \text{ft}$ (Agl - approx.)

Building exposure = "D"

Data and Dimensions - (data and dimensions as per rooftop mapping by Aron Garcia of Allpro Consulting Group, Inc., dated 4/16/2012.

Proposed Sprint Ericsson Network Vision Indoor Solution:

Proposed Sprint Network Vision indoor solution (racks) shall be placed inside existing equipment room on the 9th Floor level.

Sprint NV Indoor Site Solution :

(1) Baseband Rack + (1) Power and Battery Backup (PBC 6200) Rack :

$Wt_{Base} := 48.3 \text{ lb}$

$L_{CAB} := 23.6 \text{ in}$

$Wt_{Batt} := 513.1 \text{ lb}$

$W_{CAB} := 23.6 \text{ in}$

$$LL_{Base} := \frac{Wt_{Base} + Wt_{Batt}}{L_{CAB} \cdot 2 \cdot W_{CAB}}$$

$$LL_{Base} = 72.57 \cdot \text{psf}$$

< 125psf acceptable for equipment room floor for estimated design load.

INPUT WIND LOAD PARAMETERS

Velocity Pressure and Design Wind Load as per ASCE7-10 and FBC 2010

$Kz_{116} := 1.48$ Velocity Pressure Exposure Coefficient defined in Section 29.3.1

$Kzt := 1$ Topographic Factor defined in Section 26.8.2

$Kd := 0.85$ Wind Directionality Factor defined in Section 26.6

$V_w := 186$ Section 1620 High-Velocity Hurricane Zones - Wind Loads

$G_w := 0.85$ Gust-Effect Factor from Section 26.9

Calculations**Wind loads on equipment:**

$$qz := 0.00256 Kz_{116} \cdot Kzt \cdot Kd \cdot V_w^2 \cdot \text{psf}$$

$$qz = 111.42 \cdot \text{psf}$$

-Antenna loads Data-

Antenna Height: $H_{ant} = 116 \text{ ft}$

Force Coefficient $Cf_{ant1} := 1.4$

- Load Data-

Proposed panel antennas @ 116' Rad. Center mounted to existing Penthouse Wall

(3) RFS APXV9ERR18-C panel antennas - 72"x11.8"x7"

$$CaAa_{ant1} := Cf_{ant1} \cdot 72in \cdot 11.8in \quad CaAa_{ant1} = 8.26 ft^2 \quad Wt_{ant} := 57.5 \cdot lb$$

$$CaAa_{ant1_side} := Cf_{ant1} \cdot 72in \cdot 7in \quad CaAa_{ant1_side} = 4.9 ft^2$$

Proposed RRUs (4) per sector: (1) 800 MHz RRU11 CDMA, (2) 1900 MHz RRU11 CDMA, (1) 1900 MHz RRU11 LTE

$$Cf := 1.2$$

$$800 \text{ MHz RRU11 CDMA} \quad CaAa_{RRU1} := Cf \cdot 17in \cdot 17.8in \quad CaAa_{RRU1} = 2.52 ft^2 \quad Wt_{RRU1} := 55lb$$

$$1900 \text{ MHz RRU11 CDMA} \quad CaAa_{RRU2} := Cf \cdot 17in \cdot 17.8in \quad CaAa_{RRU2} = 2.52 ft^2 \quad Wt_{RRU2} := 44lb$$

$$1900 \text{ MHz RRU11 LTE} \quad CaAa_{RRU3} := Cf \cdot 18.2in \cdot 17.8in \quad CaAa_{RRU3} = 2.7 ft^2 \quad Wt_{RRU3} := 60lb$$

RRU A2 Modules (1 per sector) are attached behind proposed RRUs. Hence no wind force is acting on them. The additional A2 module weight of 21 lbs will be negligible.

Proposed RRUs shall be mounted behind panel antenna, therefore 50% wind load shield will act on them.

Wind Load on antennas:

Horizontal wind force on the pipe:

$$F_{propant1} := qz \cdot G \cdot CaAa_{ant1_side} \quad F_{propant1} = 464.05 lb$$

$$F_{RRUs} := qz \cdot G \cdot CaAa_{RRU1} + qz \cdot G \cdot CaAa_{RRU2} = 477.62 lb$$

$$F_{tot} := F_{propant1} + F_{RRUs} = 941.67 lb$$

Check for New/Existing Pipe Mount with new Antenna:

$$\text{Force: } F_{tot} = 941.67 lb \quad \text{Height of antenna above support} \quad H_{ant1} := 5 \cdot ft$$

$$\text{Moment from wind load} \quad M_{VAST} := F_{tot} \cdot H_{ant1} \quad M_{VAST} = 4.71 \cdot ft_kip$$

Use 3" X-STR.Pipe(3.5"ODx0.3"W):

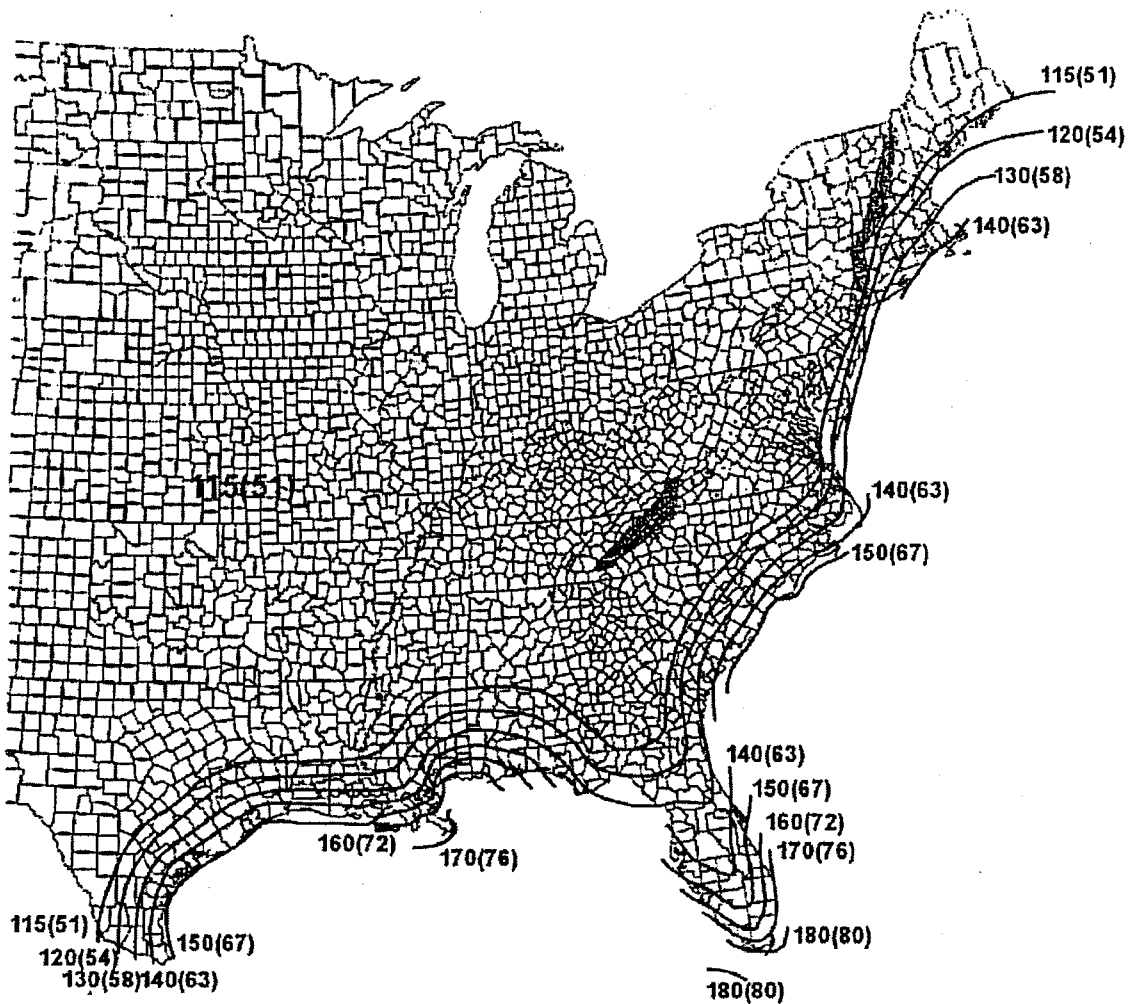
$$S_{xx} = 2.23 \cdot in^3 \quad I = 3.89 in^4 \quad F_y := 36ksi$$

$$\text{Design Strength} = \phi M_n := 0.9 \cdot S \cdot F_y = 6.02 \cdot ft_kip > M_{VAST} = 4.71 \cdot ft_kip \quad (OK)$$

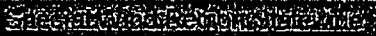
From the above calculations, wind force impact is acceptable on new/existing pipe mount.

Result:

The impact of the proposed panel antennas & RRUs, and related transmission lines on rooftop are acceptable based on the above calculated numbers.

APPENDIX - WIND LOAD PARAMETERS (ASCE 7-10)**Figure 26.5-1A - Basic Wind Speeds for Risk Category II Building and Other Structures**

 Special Wind Region

Location	Vmph	(m/s)
Guam	195	(87)
Virgin Islands	165	(74)
American Samoa	160	(72)
Hawaii - 	130	(58)

150(67) 160(72)
 170(76)

Puerto Rico

Figure 26.5-1A (Continued)

Figure 29.5-1 - Force Coefficients (Cf)

Other Structures		All Heights		
Figure 29.5-1	Force Coefficients, C_f	Chimneys, Tanks, Rooftop Equipment, & Similar Structures		
Cross-Section	Type of Surface	h/D		
		1	7	25
Square (wind normal to face)	All	1.3	1.4	2.0
Square (wind along diagonal)	All	1.0	1.1	1.5
Hexagonal or octagonal	All	1.0	1.2	1.4
Round ($D\sqrt{q_z} > 2.5$) ($D\sqrt{q_z} > 5.3$, D in m, q_z in N/m^2)	Moderately smooth	0.5	0.6	0.7
	Rough ($D/D = 0.02$)	0.7	0.8	0.9
	Very rough ($D/D = 0.08$)	0.8	1.0	1.2
Round ($D\sqrt{q_z} \leq 2.5$) ($D\sqrt{q_z} \leq 5.3$, D in m, q_z in N/m^2)	All	0.7	0.8	1.2

Notes:

- The design wind force shall be calculated based on the area of the structure projected on a plane normal to the wind direction. The force shall be assumed to act parallel to the wind direction.
- Linear interpolation is permitted for h/D values other than shown.
- Notation:
 - D : diameter of circular cross-section and least horizontal dimension of square, hexagonal or octagonal cross-sections at elevation under consideration, in feet (meters);
 - D' : depth of protruding elements such as ribs and spoilers, in feet (meters); and
 - h : height of structure, in feet (meters); and
 - q_z : velocity pressure evaluated at height z above ground, in pounds per square foot (N/m^2).
- For rooftop equipment on buildings with a mean roof height of $h \leq 60$ ft, use Section 29.5.1.

Section 26.9.1 - Gust Effect Factor

26.9.1 Gust-Effect Factor: The gust-effect factor for a rigid building or other structure is permitted to be taken as 0.85.

Section 26.8.2 - Topographic Factor

12.04.12

26.8.2 Topographic Factor

The wind speed-up effect shall be included in the calculation of design wind loads by using the factor K_z :

$$K_z = (1 + K_1 K_2 K_3)^2 \quad (26.8-1)$$

where K_1 , K_2 , and K_3 are given in Fig. 26.8-1.

If site conditions and locations of buildings and other structures do not meet all the conditions specified in Section 26.8.1 then $K_z = 1.0$.

Section 26.6 - Wind Directionality**26.6 WIND DIRECTIONALITY**

The wind directionality factor, K_d , shall be determined from Table 26.6-1. This directionality factor shall only be included in determining wind loads when the load combinations specified in Sections 2.3 and 2.4 are used for the design. The effect of wind directionality in determining wind loads in accordance with Chapter 31 shall be based on an analysis for wind speeds that conforms to the requirements of Section 26.5.3.

Structure Type	Directionality Factor K_d^*
Buildings Main Wind Force Resisting System Components and Cladding	0.85 0.85
Arched Roofs	0.85
Chimneys, Tanks, and Similar Structures Square Hexagonal Round	0.90 0.95 0.95
Solid Freestanding Walls and Solid Freestanding and Attached Signs	0.85
Open Signs and Lattice Framework	0.85
Trussed Towers Triangular, square, rectangular All other cross sections	0.85 0.95

*Directionality Factor K_d has been calibrated with combinations of loads specified in Chapter 2. This factor shall only be applied when used in conjunction with load combinations specified in Sections 2.3 and 2.4.

Table 29.3.1 - Velocity Pressure Exposure Coefficients (K_z)**Velocity Pressure Exposure Coefficients, K_h and K_z** **Table 29.3-1**

Height above ground level, z		Exposure		
		B	C	D
ft	(m)			
0-15	(0-4.6)	0.57	0.85	1.03
20	(6.1)	0.62	0.90	1.08
25	(7.6)	0.66	0.94	1.12
30	(9.1)	0.70	0.98	1.16
40	(12.2)	0.76	1.04	1.22
50	(15.2)	0.81	1.09	1.27
60	(18)	0.85	1.13	1.31
70	(21.3)	0.89	1.17	1.34
80	(24.4)	0.93	1.21	1.38
90	(27.4)	0.96	1.24	1.40
100	(30.5)	0.99	1.26	1.43
120	(36.6)	1.04	1.31	1.48
140	(42.7)	1.09	1.36	1.52
160	(48.8)	1.13	1.39	1.55
180	(54.9)	1.17	1.43	1.58
200	(61.0)	1.20	1.46	1.61
250	(76.2)	1.28	1.53	1.68
300	(91.4)	1.35	1.59	1.73
350	(106.7)	1.41	1.64	1.78
400	(121.9)	1.47	1.69	1.82
450	(137.2)	1.52	1.73	1.86
500	(152.4)	1.56	1.77	1.89

Notes:

1. The velocity pressure exposure coefficient K_z may be determined from the following formula:

For $15 \text{ ft.} \leq z \leq z_g$ For $z < 15 \text{ ft.}$

$$K_z = 2.01 \cdot (z/z_g)^{2/\alpha}$$

$$K_z = 2.01 \cdot (15/z_g)^{2/\alpha}$$

2. α and z_g are tabulated in Table 26.9.1.
3. Linear interpolation for intermediate values of height z is acceptable.
4. Exposure categories are defined in Section 26.7.

SECTION 1620
HIGH-VELOCITY HURRICANE ZONES—
WIND LOADS

1620.1 Buildings and structures, and every portion thereof, shall be designed and constructed to meet the requirements of Chapters 26 through 31 of ASCE 7.

1620.2 Wind velocity (3-second gust) used in structural calculations shall be as follows:

Miami-Dade County

Risk Category I Buildings and Structures: 165 mph

Risk Category II Buildings and Structures: 175 mph

Risk Category III and IV Buildings and Structures: 186 mph

Broward County

Risk Category I Buildings and Structures: 156 mph

Risk Category II Buildings and Structures: 170 mph

Risk Category III and IV Buildings and Structures: 180 mph

1620.3 All buildings and structures shall be considered to be in Exposure Category C, unless Exposure Category D applies, as defined in Section 26.7 of ASCE 7.

CMR

12.04.12

ROOFTOP STRUCTURAL MAPPING

ACGI JOB #12-1612

**MI03XC166 – Midtown Medical Center
333 West 41st Street
Miami, FL 33140**

For:

Sprint / Ericsson

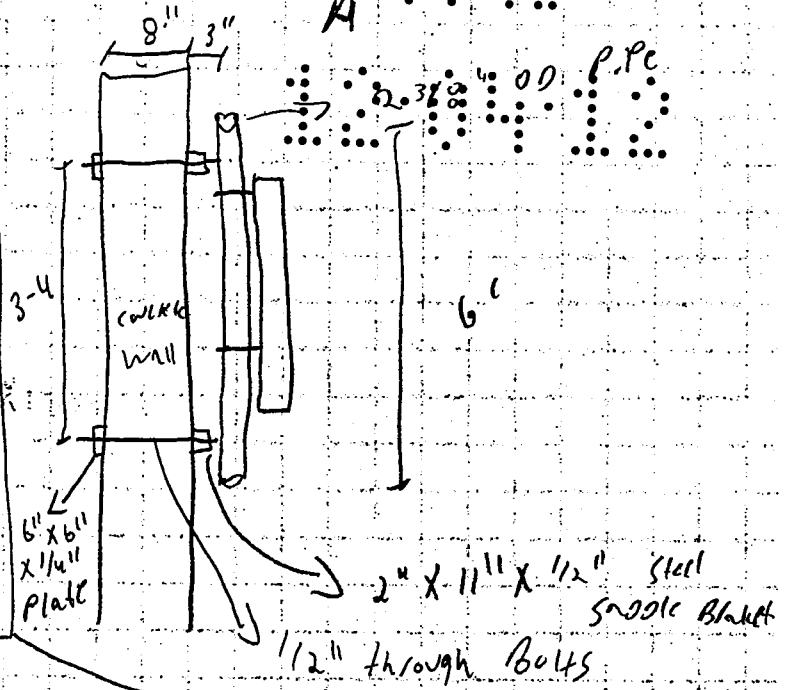
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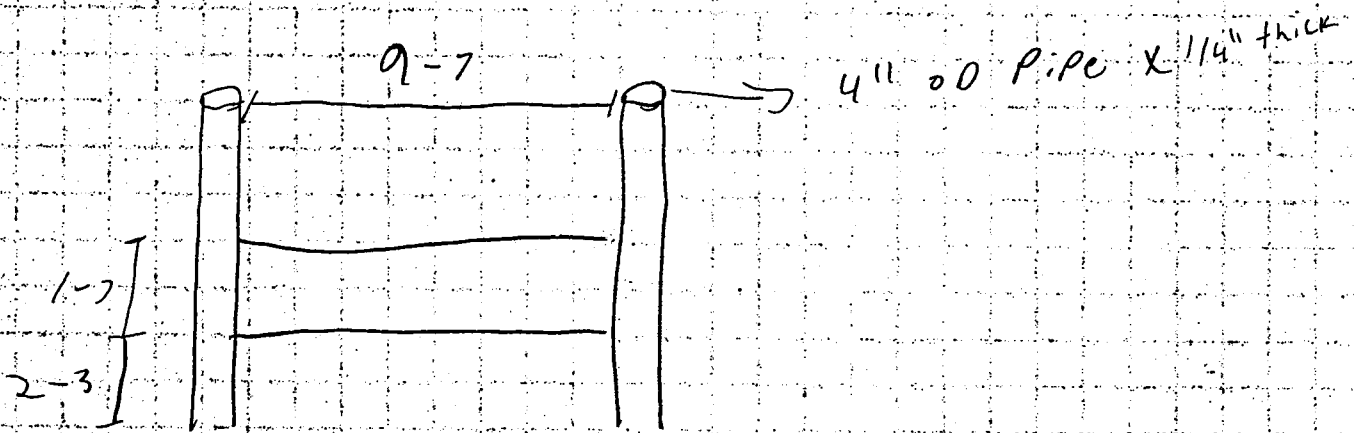
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Dallas, TX 75243
Tel: 972-231-8893, Fax: 866-364-8375
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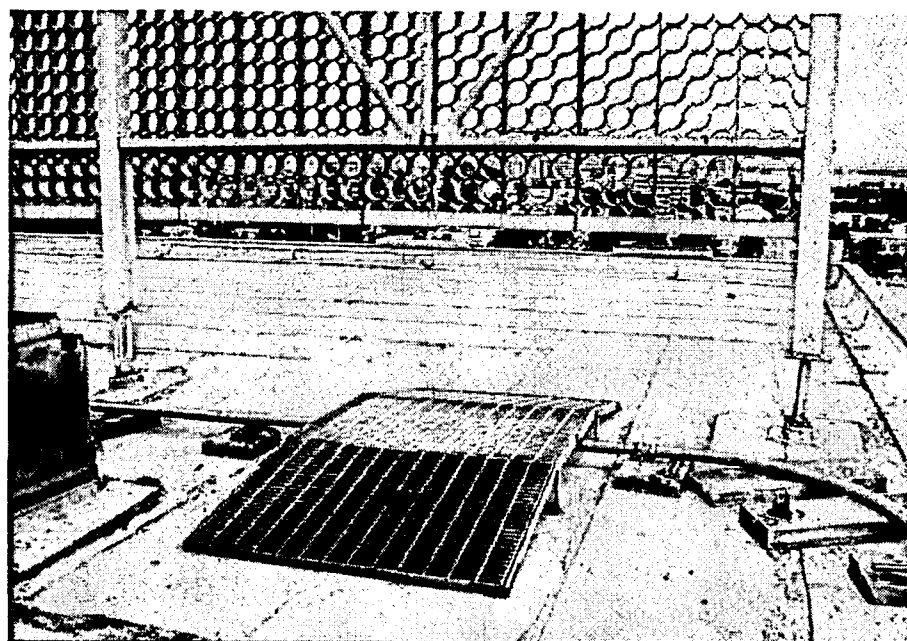
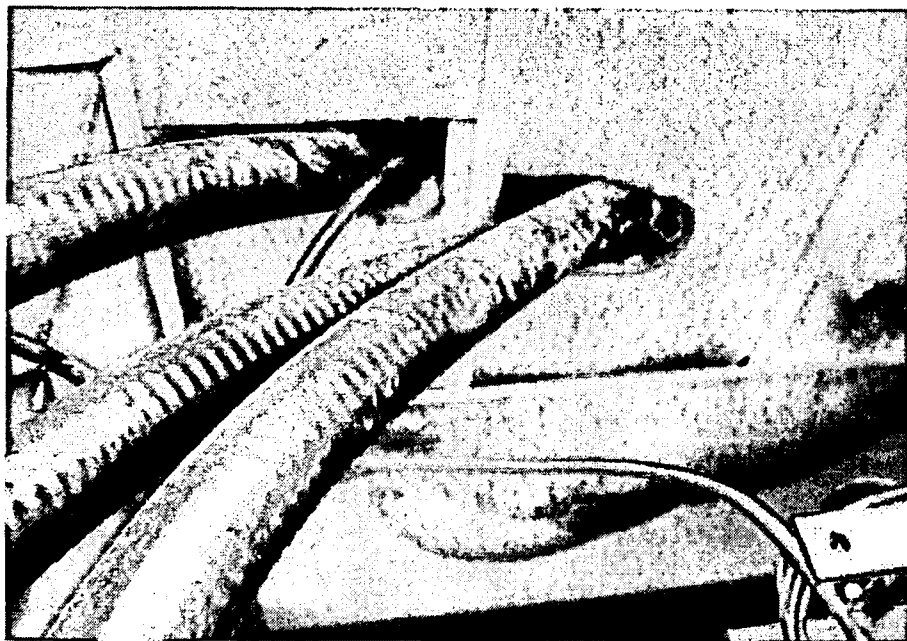
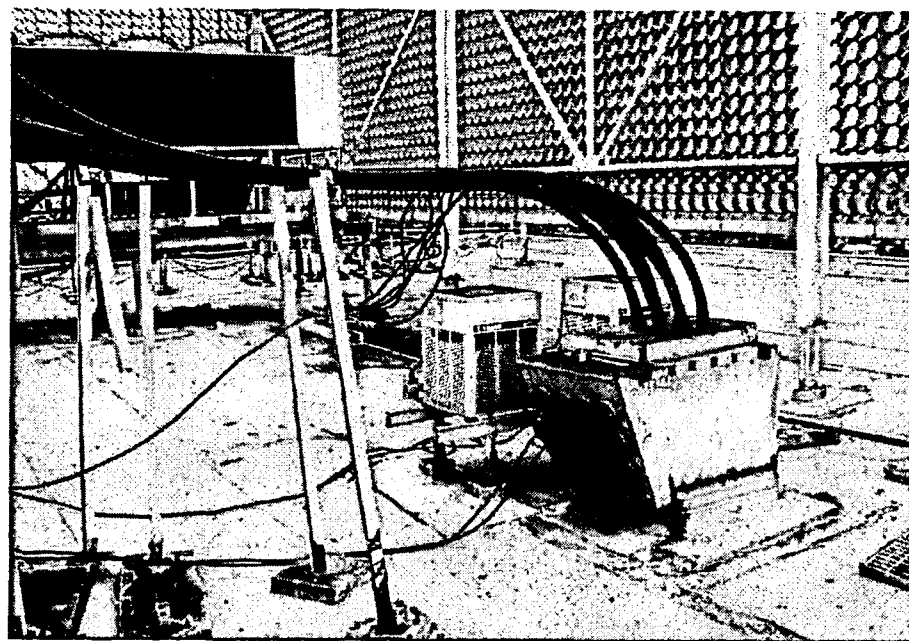
April 30, 2012

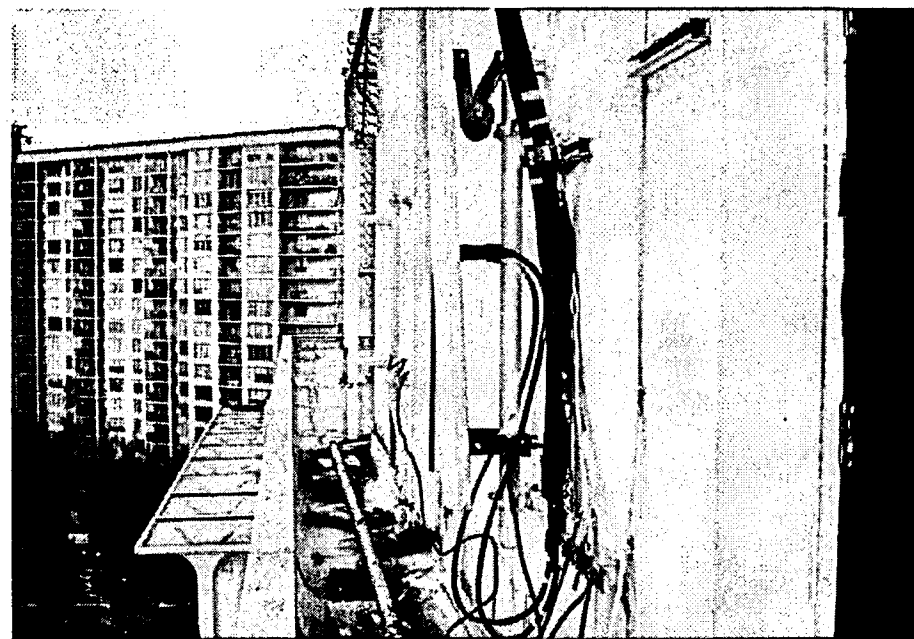
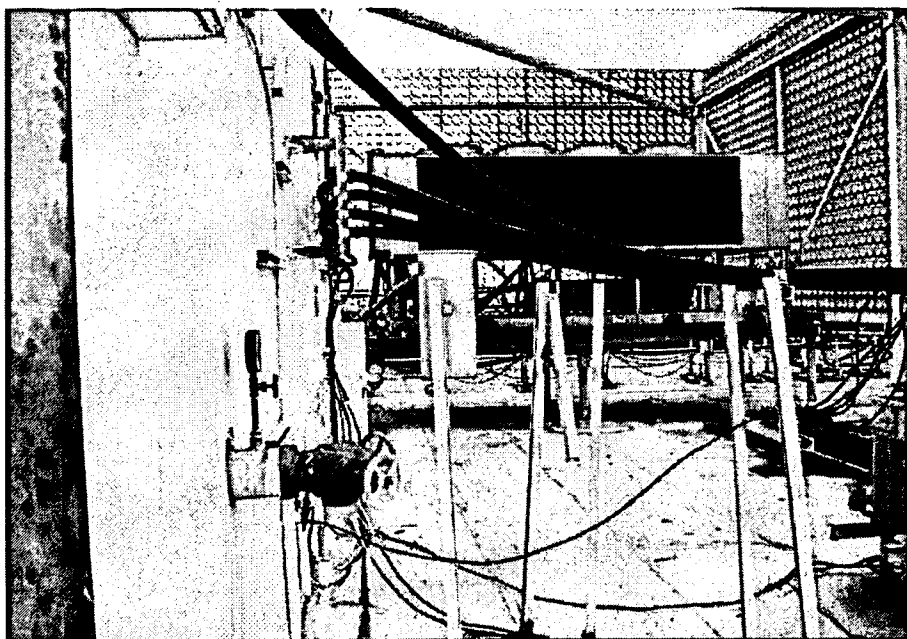
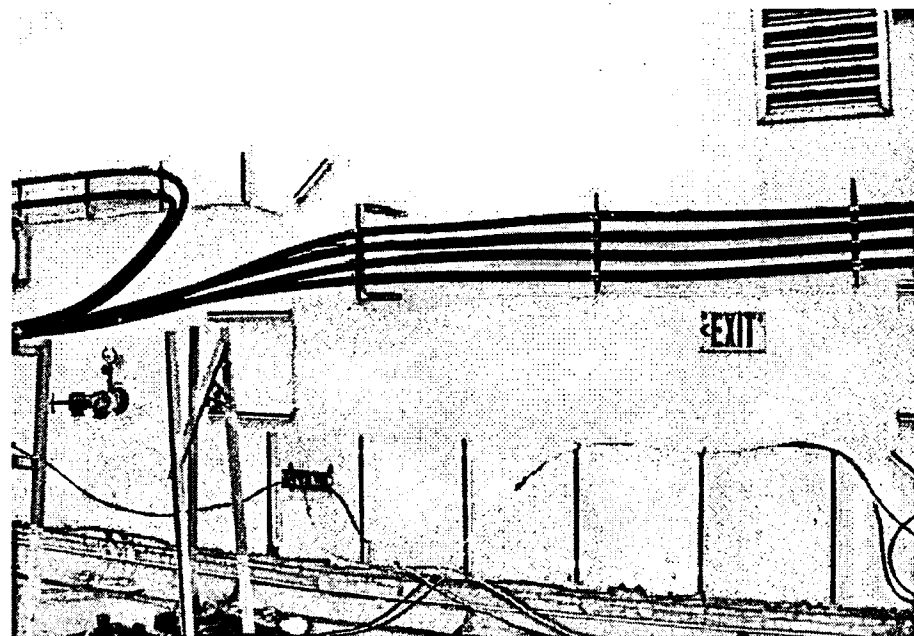
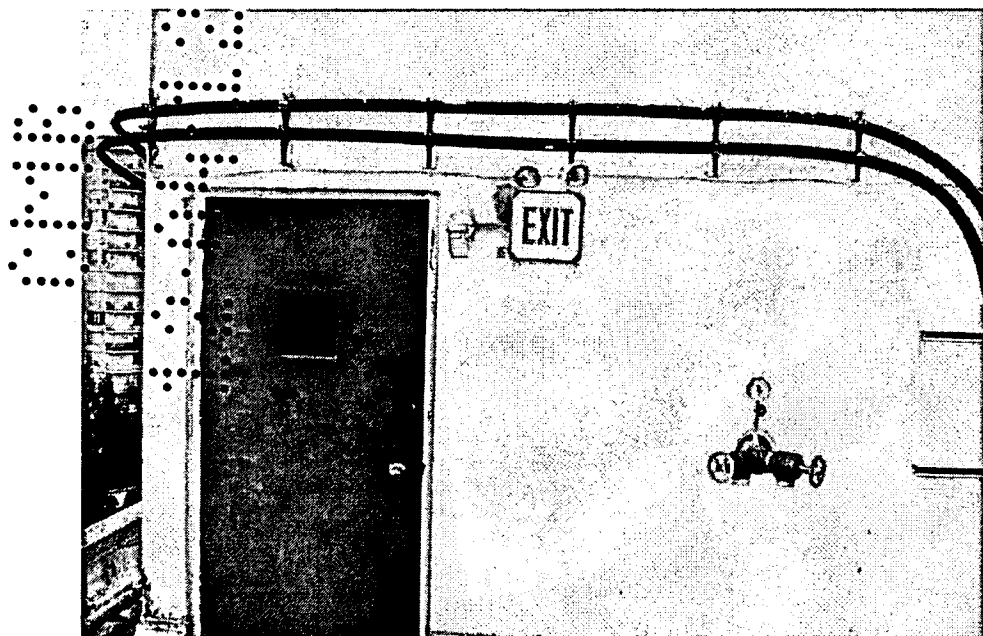
MI 03 XC 166

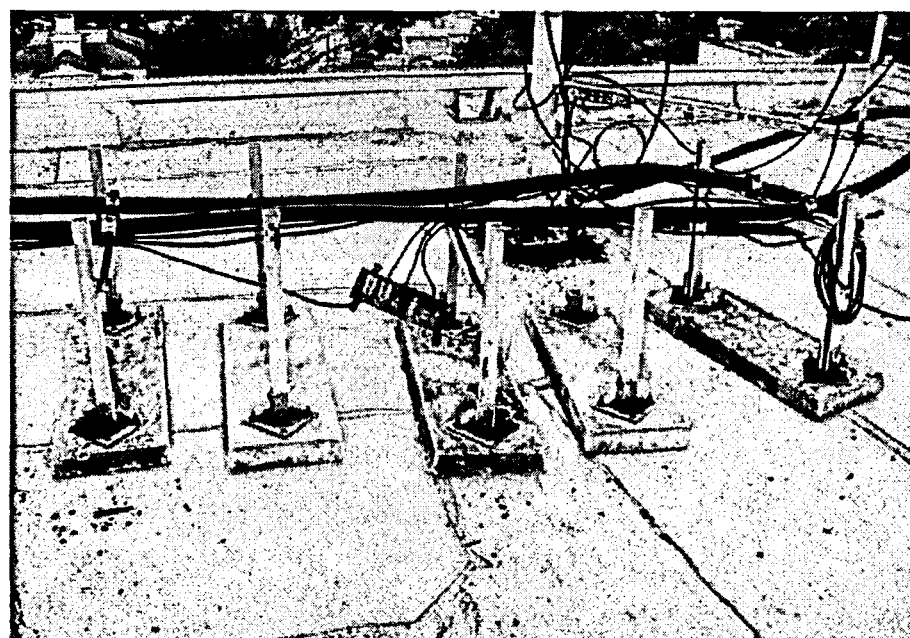
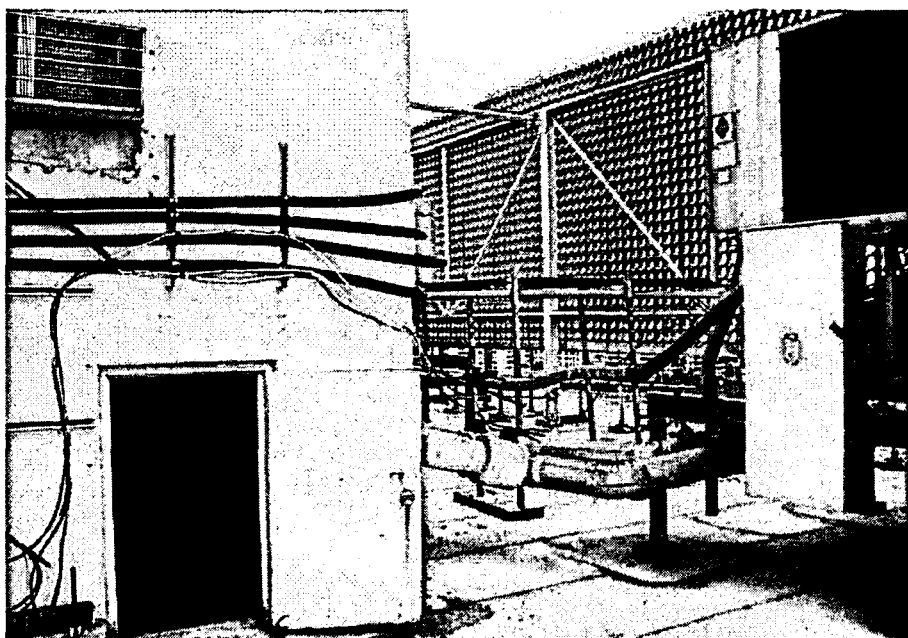
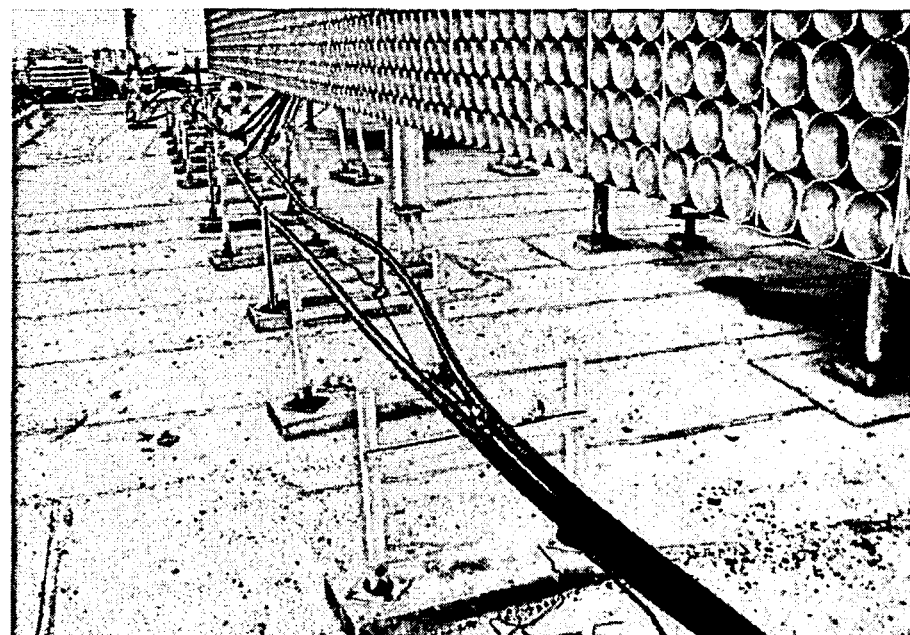
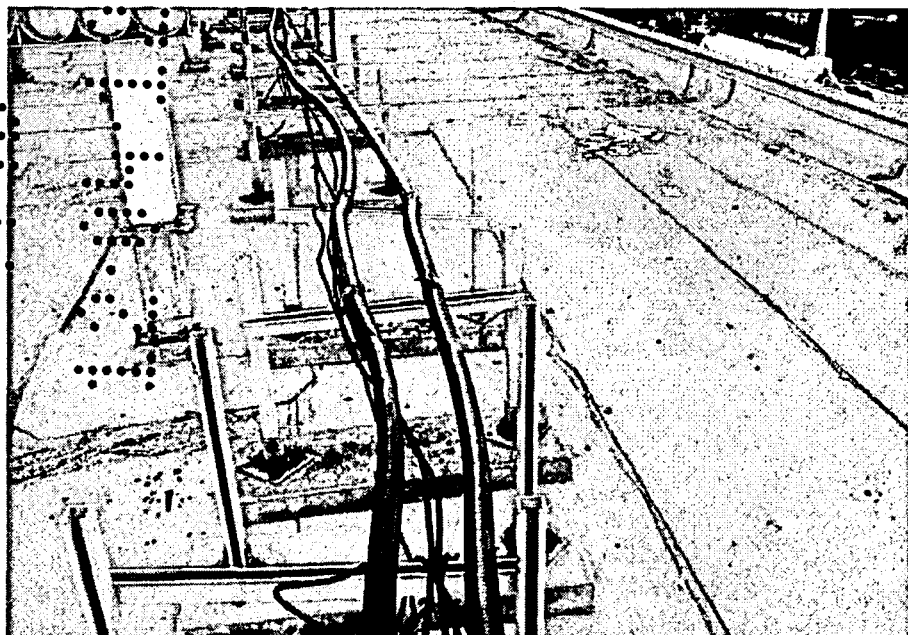


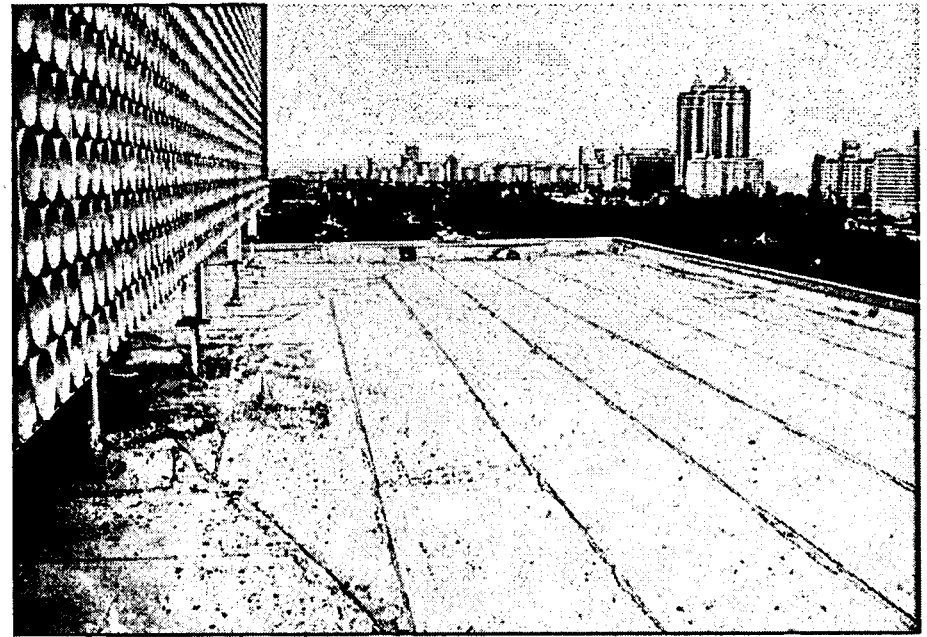
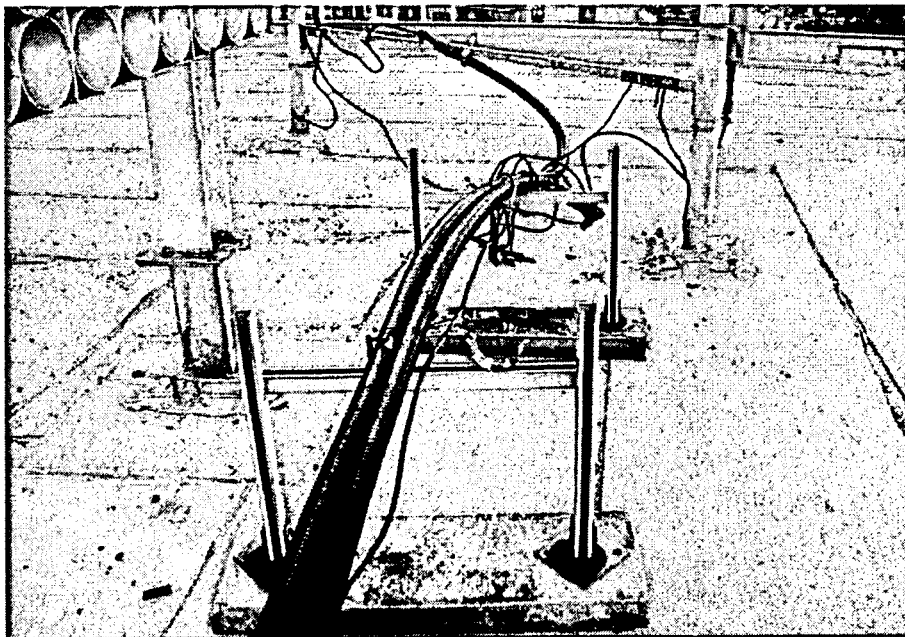
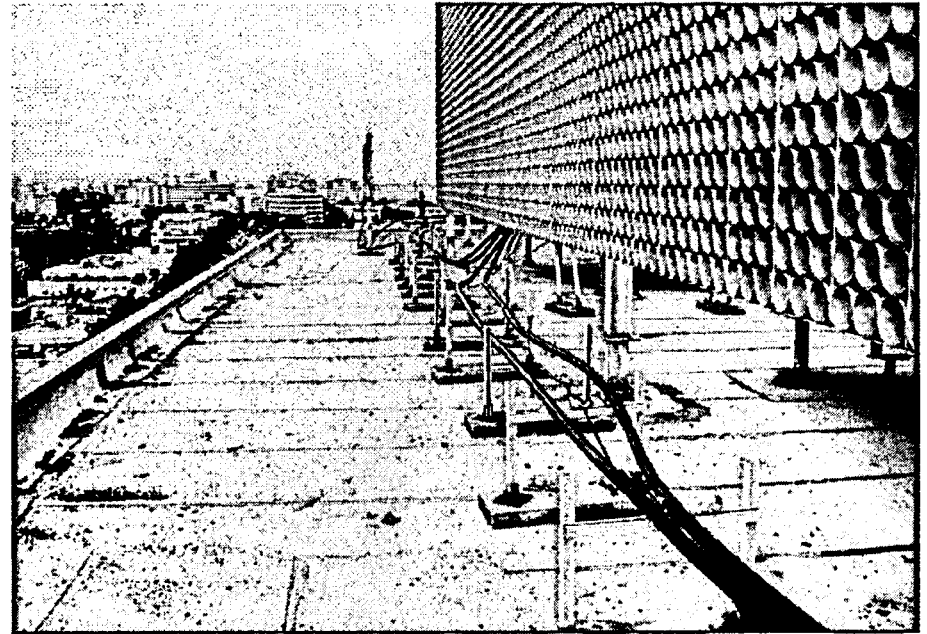
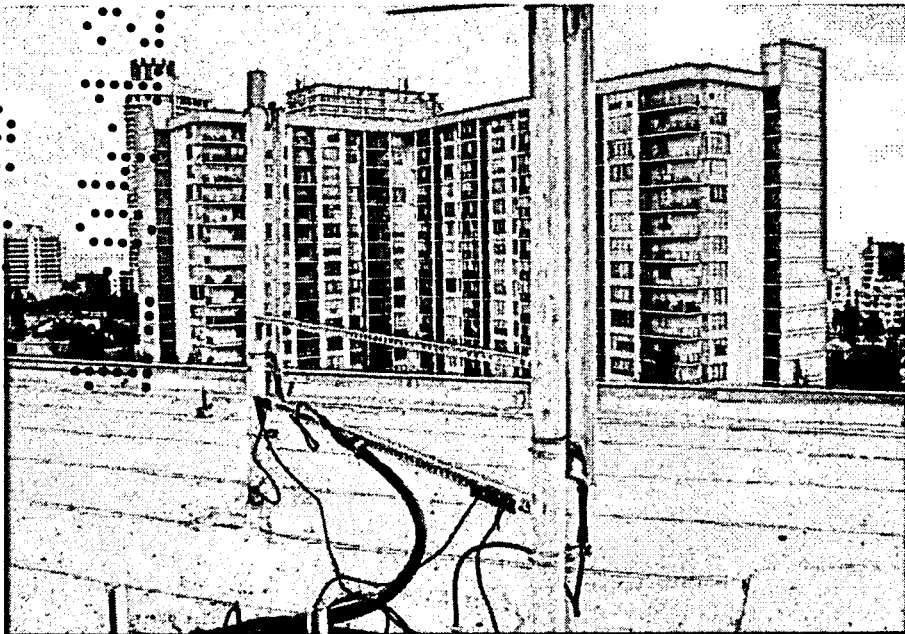
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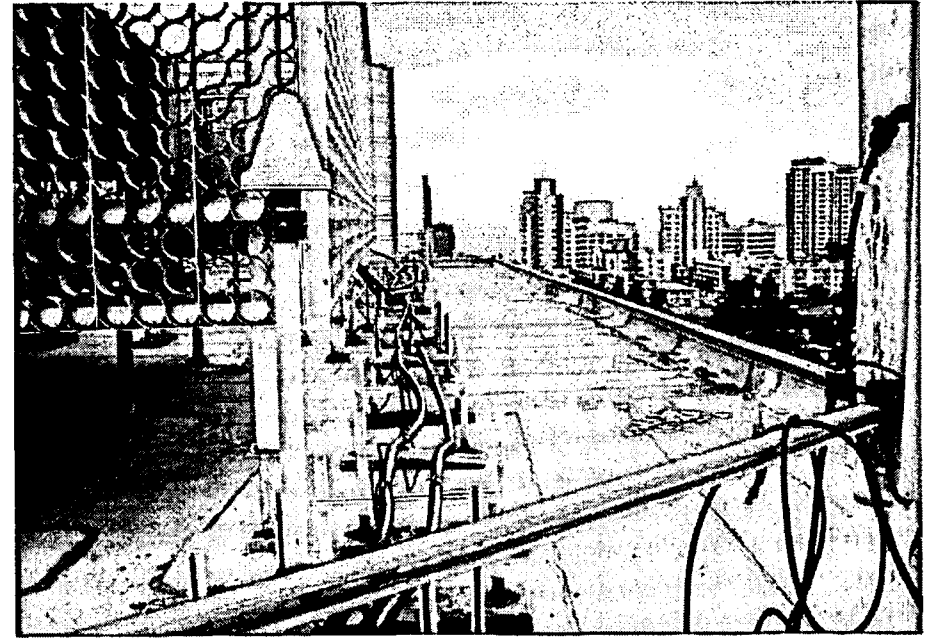
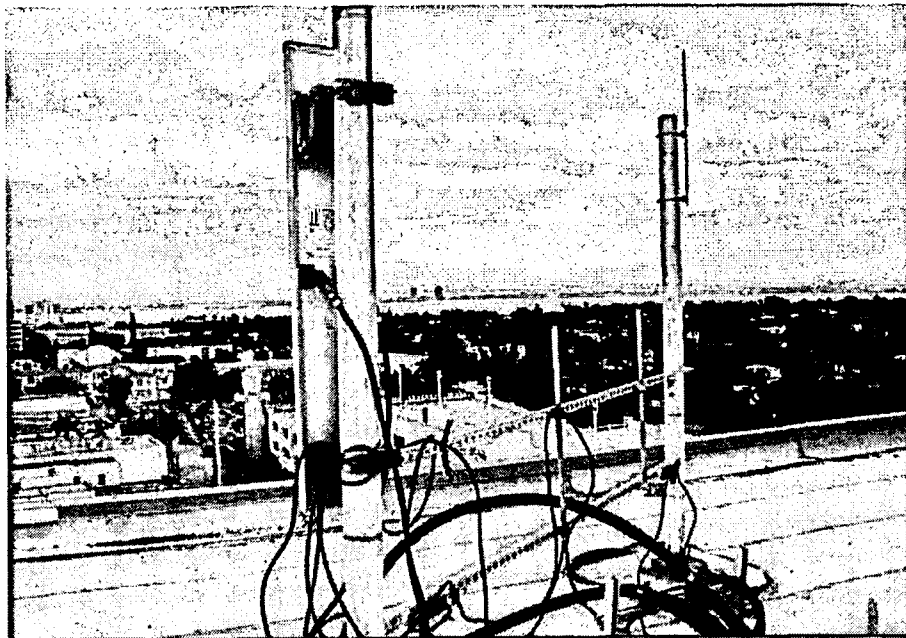
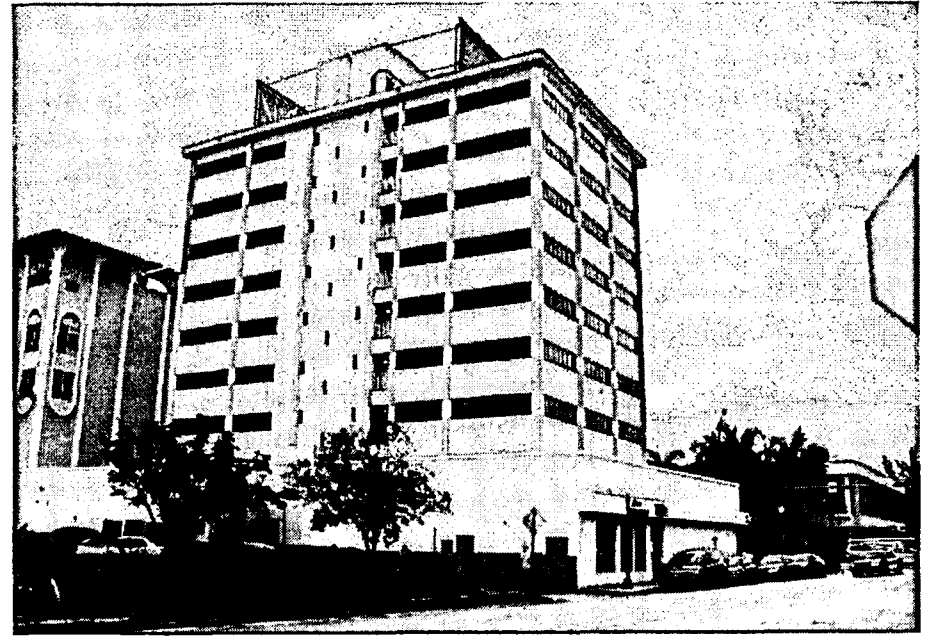
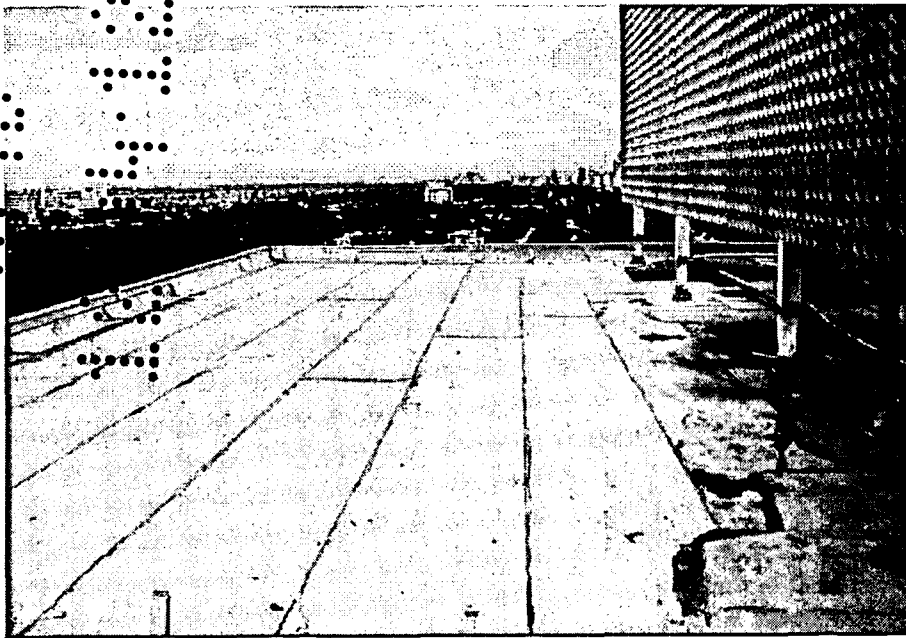












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