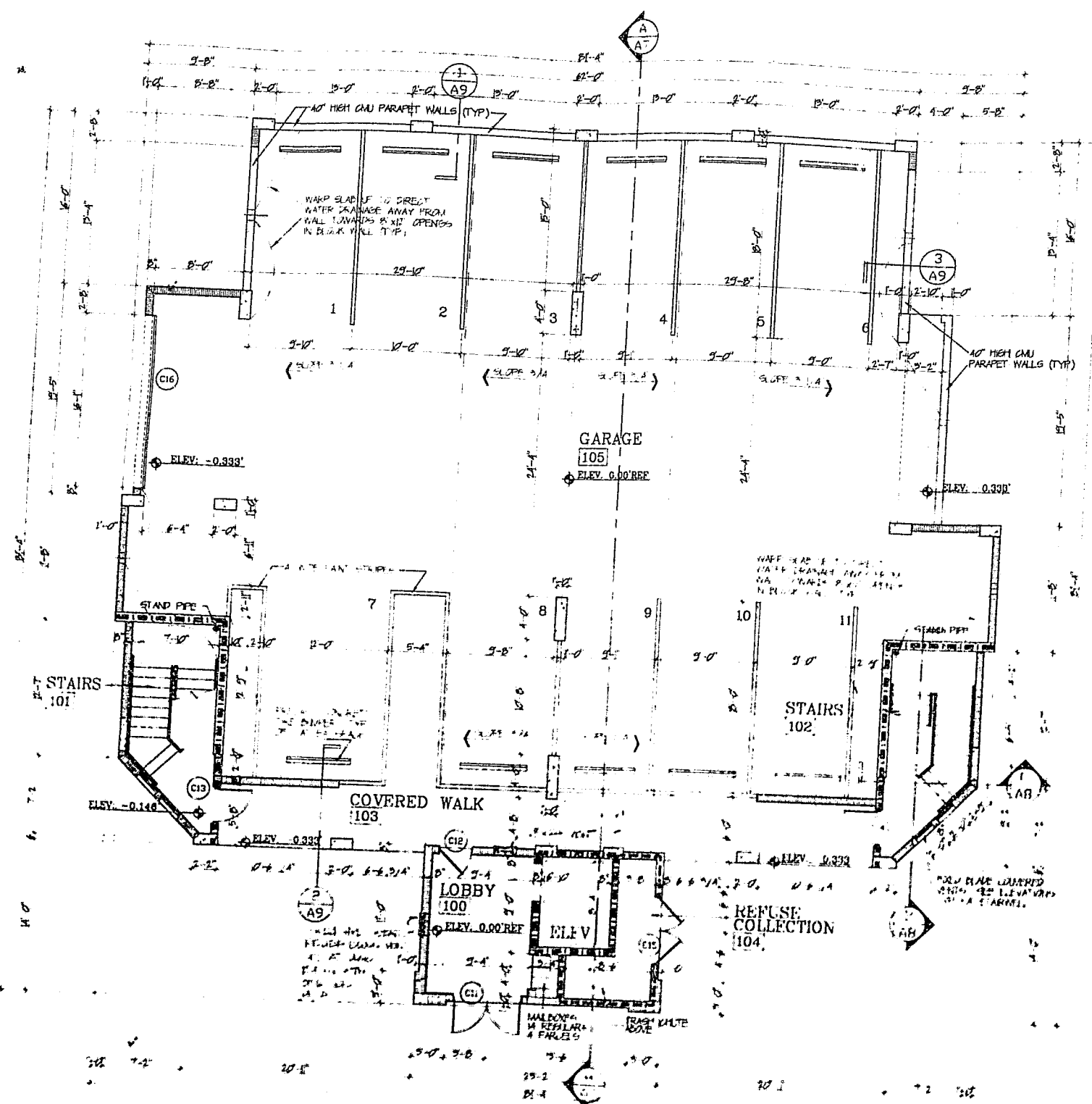


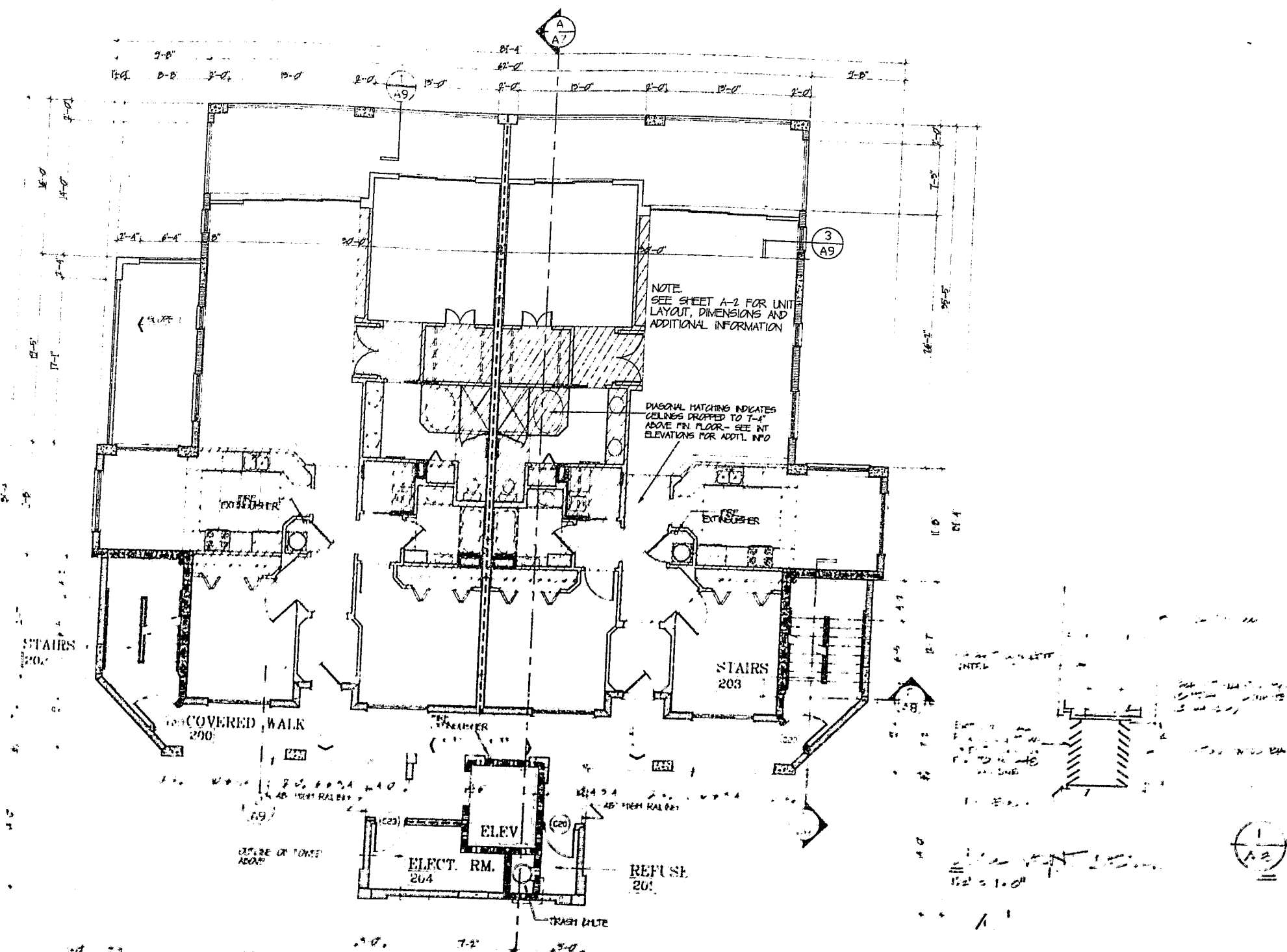
# PERMIT #

96-8179

# ADDRESS



LEVEL ONE

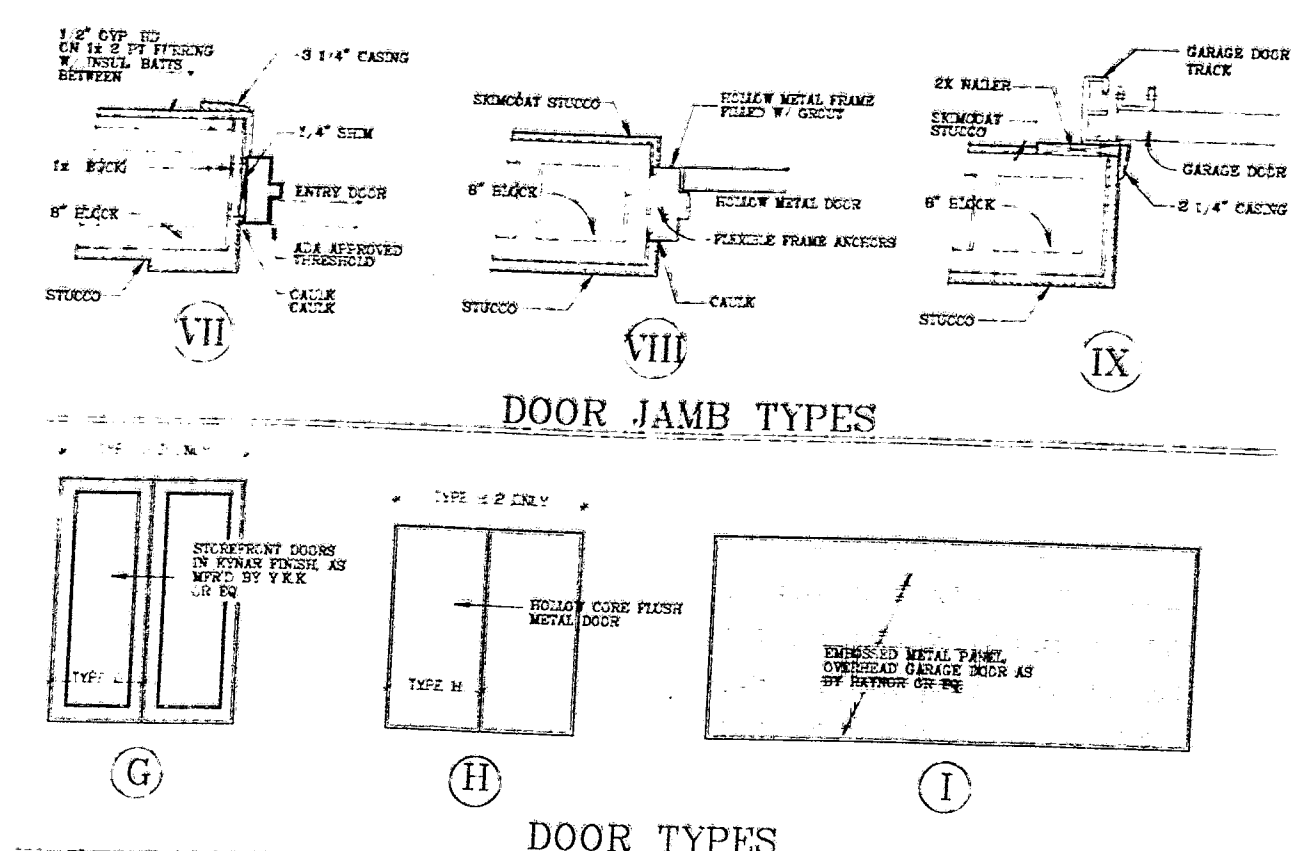


LEVEL TWO  
SCALE: 1/8" = 1'-0"

COMMON AREAS		ROOF FINISH SCHEDULE													REMARKS
FLOOR	ROOM NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	
GROUND FLOOR	LOBBY	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	
	COVERED WALK	1	2	3	4	5	6	7	8	9	10	11	12	13	
	REFUSE COLLECT	1	2	3	4	5	6	7	8	9	10	11	12	13	
	PARKING GARAGE	1	2	3	4	5	6	7	8	9	10	11	12	13	
LEVEL 2	WALKWAYS	1	2	3	4	5	6	7	8	9	10	11	12	13	
	REFUSE	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	
	ELECT. ROOM	1	2	3	4	5	6	7	8	9	10	11	12	13	
LEVEL 3	WALKWAYS	1	2	3	4	5	6	7	8	9	10	11	12	13	
	REFUSE	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	
ROOF	MECHANICAL RM	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	

COMMON AREAS		DOOR SCHEDULE													REMARKS
FLOOR	ROOM NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	
GROUND FLOOR	LOBBY	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	
	COVERED WALK	1	2	3	4	5	6	7	8	9	10	11	12	13	
	REFUSE COLLECT	1	2	3	4	5	6	7	8	9	10	11	12	13	
	PARKING GARAGE	1	2	3	4	5	6	7	8	9	10	11	12	13	
LEVEL 2	WALKWAYS	1	2	3	4	5	6	7	8	9	10	11	12	13	
	REFUSE	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	
	ELECT. ROOM	1	2	3	4	5	6	7	8	9	10	11	12	13	
LEVEL 3	WALKWAYS	1	2	3	4	5	6	7	8	9	10	11	12	13	
	REFUSE	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	
ROOF	MECHANICAL RM	1	2	3	4	5	6	7	8	9	10	11	12	13	
	STAIRWELL	1	2	3	4	5	6	7	8	9	10	11	12	13	

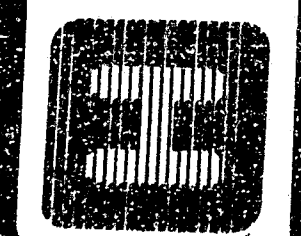
DOOR SCHEDULE NOTES  
GARAGE DOORS SHALL BE DESIGNED AND APPROVED TO RESIST WIND PRESSURES OF UP TO 120 MPH



DOOR TYPES

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THE PROPOSED STRUCTURE HAS BEEN DESIGNED IN STRICT ACCORDANCE WITH THE 1991 STANDARD BUILDING CODE FOR THE STATE OF FLORIDA, FLORIDA STATUTE 163.2001 (FLA. PAR. 163.2001) AND WITH ALL APPLICABLE BUILDING STANDARDS.  
DAVID M. HUMPHREY  
FLORIDA REG. NO. 11-15-96

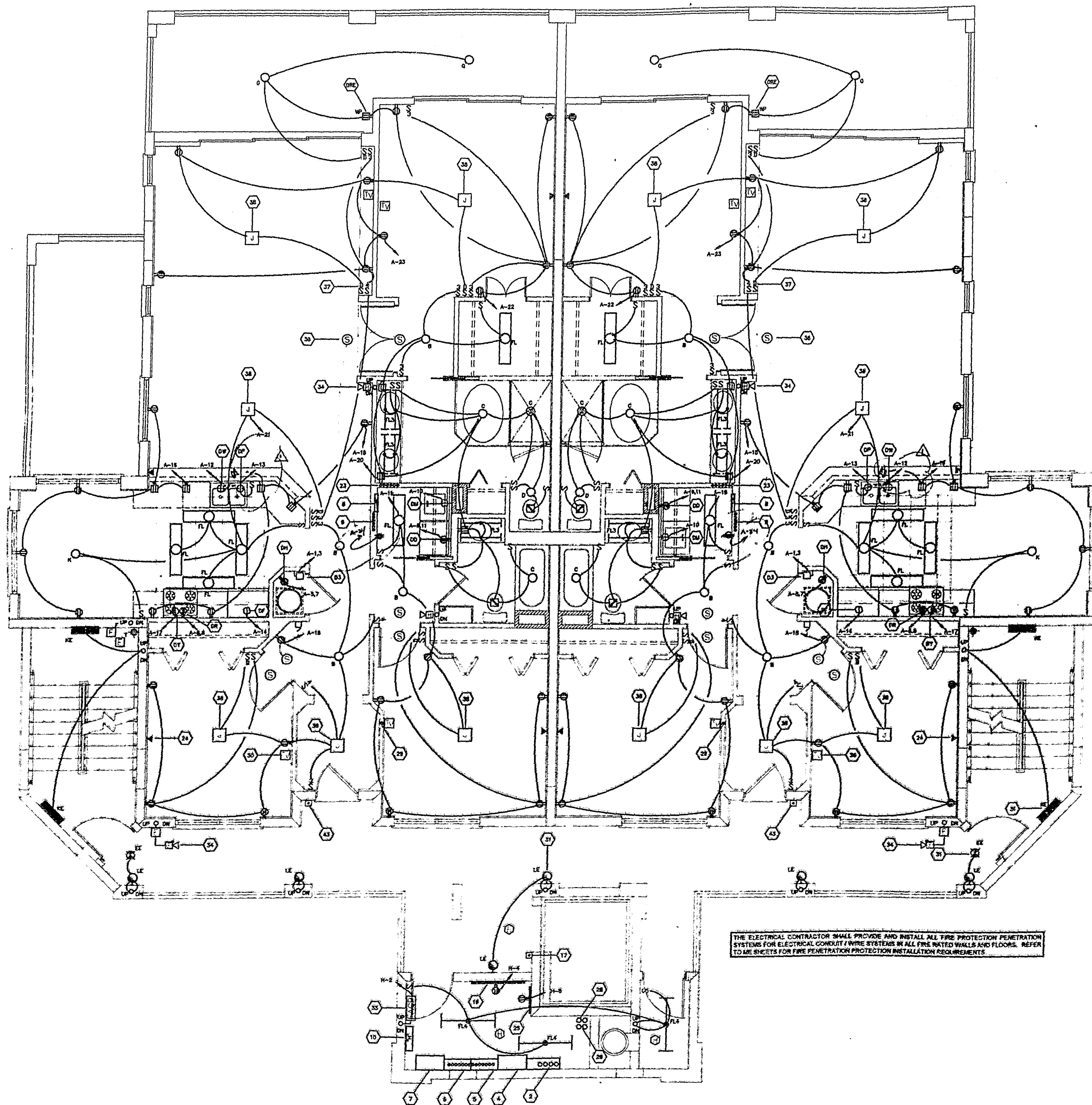
DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
ONE LAMAR, ONE DRIVE, SUITE 415  
NAPLES, FLORIDA 33953 (813) 596-3100



DRAWN  
CONS. NO.  
DATE 05/15/96  
REVISIONS

BAYPOINT CONDOMINIUMS  
PHASE II  
NAPLES, FLORIDA

1/8" SCALE BLDG.  
PLANS  
GROUND LEVEL  
SECOND LEVEL



ELECTRICAL SYSTEMS LAYOUT - 2ND LEVEL

SCALE: 1/4" = 10'

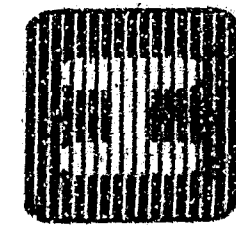
**ELECTRICAL SYMBOL LEGEND**

- WALL OUTLET BOX AND 20 AMP GFI RECEPTACLE AND WEATHER PROOF
- WALL OUTLET BOX AND 20 AMP GFI RECEPTACLE
- WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE (HALF SWITCHED)
- WALL OUTLET BOX AND SPECIAL PURPOSE RECEPTACLE
- WALL OUTLET BOX AND 20 AMP SINGLE RECEPTACLE
- WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE
- WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE (MOUNTED ABOVE COUNTER TOP)
- FLOOR OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE
- 15A FLUORESCENT LIGHT / NORMAL BRANCH
- 25A FLUORESCENT LIGHT / NORMAL BRANCH
- 25A FLUORESCENT LIGHT / NORMAL BRANCH
- 15A FLUORESCENT LIGHT / LIFE SAFETY BRANCH
- 25A FLUORESCENT LIGHT / LIFE SAFETY BRANCH
- 25A FLUORESCENT LIGHT / LIFE SAFETY BRANCH
- 15A FLUORESCENT LIGHT / CRITICAL BRANCH
- 25A FLUORESCENT LIGHT / CRITICAL BRANCH
- 25A FLUORESCENT LIGHT / CRITICAL BRANCH
- CEILING OUTLET BOX AND HO OR INCANDESCENT FIXTURE / NORMAL BRANCH
- CEILING OUTLET BOX AND HO OR INCANDESCENT FIXTURE / LIFE SAFETY BRANCH
- WALL MOUNTED BRACKET LIGHT / NORMAL BRANCH
- WALL MOUNTED BRACKET LIGHT / LIFE SAFETY BRANCH
- 15A FLUORESCENT STRIP / NORMAL BRANCH
- 15A FLUORESCENT STRIP / LIFE SAFETY BRANCH
- EXIT LIGHT / LIFE SAFETY BRANCH
- CEILING OUTLET BOX FOR CEILING FAN
- WALL OUTLET BOX AND SINGLE POLE SWITCH (MOUNT AT 48" TO CENTERLINE)
- WALL OUTLET BOX AND 3-WAY SWITCH (MOUNT AT 48" TO CENTERLINE)
- WALL OUTLET BOX AND 4-WAY SWITCH (MOUNT AT 48" TO CENTERLINE)
- WALL OUTLET BOX AND DIMMER SWITCH (MOUNT AT 48" TO CENTERLINE)
- DOOR BELL CHIME
- TELEPHONE WALL OUTLET
- TV BACK BOX
- COMPUTER WALL OUTLET
- FLUSH WALL OR ABOVE CEILING JUNCTION BOX
- 120/240 BRANCH CIRCUIT PANELBOARD FLUSH MOUNTED
- DISCONNECT SWITCH, SIZE AND TYPE AS NOTED
- ELECTRICAL NOTE SYMBOL

NOTE: NOT ALL SYMBOLS IN THIS LEGEND ARE APPLICABLE TO THIS PROJECT.

Shall Meet  
Collier County Electrical Code  
Ordinance No. 95-18  
Referencing National Electrical Code

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMPA TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2887



DRAWN RES/EH  
CDMA. NO.  
DATE 3-12-96  
REVISIONS  
1-19-96

BAYPOINT CONDOMINIUM  
PHASE TWO

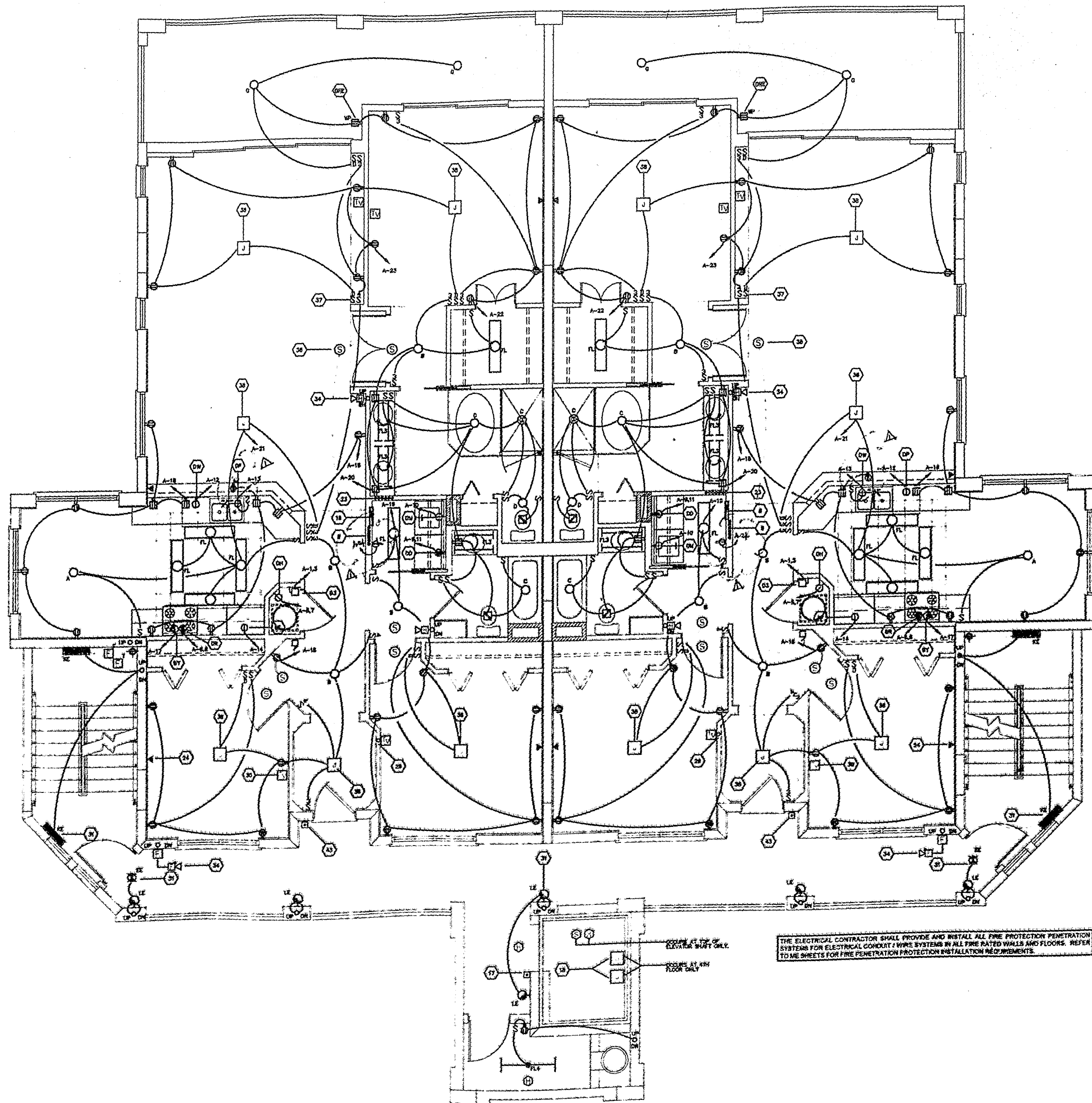
POWER SYSTEMS LAYOUT  
LIGHTING SYSTEMS LAYOUT  
2ND LEVEL

E-2

DESIGN FIRM  
ISENHOF ENGINEERING  
6326 TRAIL BLVD N  
NAPLES, FLORIDA 33963  
CERTIFICATE NO. EB004450

CONTACT PERSON  
ERIC A. ISENHOF, P.E.  
FLORIDA LICENSE NO. 107  
(941) 586-0224  
(941) 586-0555 FAX





ELECTRICAL SYSTEMS LAYOUT - 3RD THRU 8TH LEVEL

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

Shall Meet  
Collier County Electrical Code  
Ordinance No. 95-18  
Referencing National Electrical Code

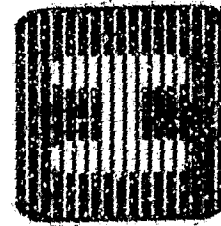
DESIGN FIRM  
ISENHOF ENGINEERING  
6326 TRAIL ELYD N.  
NAPLES, FLORIDA 33983  
CERTIFICATE NO. EB0004450

CONTACT PERSON  
ERIC ISENHOF  
FLORIDA REG. NO. 1010118  
(941) 599-2070  
(941) 599-2655 FAX

POWER SYSTEMS LAYOUT  
LIGHTING SYSTEMS LAYOUT  
3RD THRU 8TH

BAYPOINT CONDOMINIUM  
PHASE TWO

DRAWN RES/BH  
CONTR. NO.  
DATE 3-12-96  
REVISIONS  
A 1-18-96



DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMPA TRAIL, SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987



AN-BAY-LS 3-14-96 100842 am EST

TYPE: SQUARE "D" - 1-LINE									
VOLTAGE: 120/208/240V/1W									
MOUNTING: SURFACE/NEMA 1									
PANEL "H"									
MAINS: 400A MLO									
EQUIPMENT SHORT CIRCUIT RATING: 22,000 AC									
SYMMETRICAL AMPS									
CKT	WIRE	COND	BRK	DESCRIPTION	LOAD (VA)	DESCRIPTION	BRK	COND	WIRE
1	10	1/2	20	ELEVATOR EQUIPMENT	21000	FIRE ALARM CONTROL PANEL	20	1/2	12
2	10	1/2	20	ELEVATOR EQUIPMENT	21000	TELEPHONE EQUIPMENT	20	1/2	12
3	10	1/2	20	ELEVATOR EQUIPMENT	21000	CABLE TV EQUIPMENT	20	1/2	12
4	10	1/2	20	ELEVATOR EQUIPMENT	21000	GARAGE LIGHTS (POD)	20	1/2	12
5	10	1/2	20	ELEVATOR EQUIPMENT	21000	STAIRWAY LIGHTS	20	1/2	12
6	10	1/2	20	ELEVATOR EQUIPMENT	21000	BALCONY LIGHTS	20	1/2	12
7	10	1/2	20	ELEVATOR EQUIPMENT	21000	BALCONY LIGHTS	20	1/2	12
8	10	1/2	20	ELEVATOR EQUIPMENT	21000	MECHANICAL ROOMS	20	1/2	12
9	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
10	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
11	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
12	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
13	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
14	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
15	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
16	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
17	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
18	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
19	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
20	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
21	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
22	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
23	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
24	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
25	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
26	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
27	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
28	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
29	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
30	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
31	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
32	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
33	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
34	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
35	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
36	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
37	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
38	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
39	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
40	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
41	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F1	20	1/2	12
42	10	1/2	20	ELEVATOR EQUIPMENT	21000	EXHAUST FAN F2	20	1/2	12
CONNECTED VA PER #					31200	31800	32800	TOTAL CONNECTED VA = 95800/258.3A	
TOTAL AMPS PER #					290.0	295.8	273.3	* REFER TO RISER NOTES	

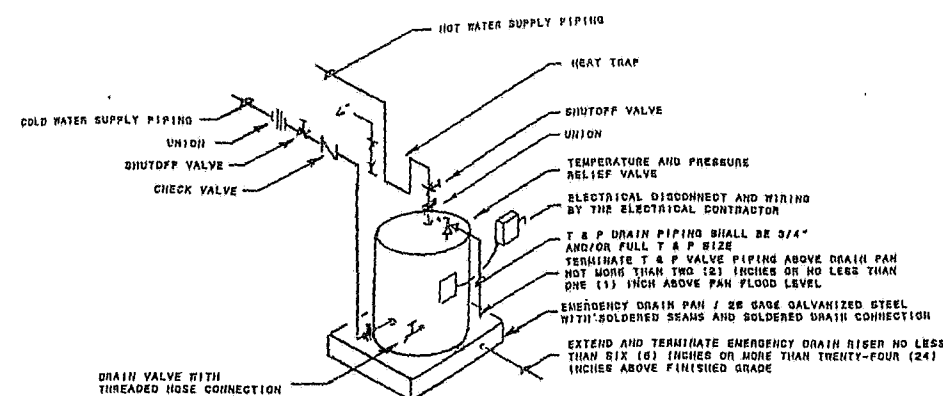
TYPE: SQUARE "D" - 90									
VOLTAGE: 120/240V/1PH/3W									
MOUNTING: FLUSH/NEMA 1									
PANEL "A"									
MAINS: 150A MLO									
EQUIPMENT SHORT CIRCUIT RATING: 10,000 AC									
SYMMETRICAL AMPS									
CKT	WIRE	COND	BRK	DESCRIPTION	LOAD (VA)	DESCRIPTION	BRK	COND	WIRE
1	10	1/2	20	AC AIR HANDLER	4800	AC CONDENSER	20	1	8
2	10	1/2	20	AC AIR HANDLER	4800	ELECTRIC RANGE	20	1	8
3	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
4	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
5	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
6	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
7	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
8	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
9	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
10	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
11	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
12	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
13	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
14	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
15	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
16	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
17	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
18	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
19	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
20	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
21	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
22	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
23	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
24	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
25	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
26	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
27	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
28	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
29	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
30	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
CONNECTED VA PER #					22720	23210	TOTAL CONNECTED VA = 45930		
TOTAL AMPS PER #					-	-	-		

TYPE: SQUARE "D" - 90									
VOLTAGE: 120/240V/1PH/3W									
MOUNTING: FLUSH/NEMA 1									
PANEL "AR"									
MAINS: 150A MLO									
EQUIPMENT SHORT CIRCUIT RATING: 10,000 AC									
SYMMETRICAL AMPS									
CKT	WIRE	COND	BRK	DESCRIPTION	LOAD (VA)	DESCRIPTION	BRK	COND	WIRE
1	10	1/2	20	AC AIR HANDLER	4800	AC CONDENSER	20	1	8
2	10	1/2	20	AC AIR HANDLER	4800	ELECTRIC RANGE	20	1	8
3	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
4	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
5	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
6	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
7	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
8	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
9	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
10	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
11	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
12	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
13	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
14	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
15	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
16	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
17	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
18	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
19	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
20	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
21	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
22	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
23	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
24	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
25	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
26	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
27	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
28	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
29	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
30	10	1/2	20	AC AIR HANDLER	4800	WATER HEATER	20	1	8
CONNECTED VA PER #					22720	23210	TOTAL CONNECTED VA = 45930		
TOTAL AMPS PER #					-	-	-		

Shall Meet  
Collier County Electrical Code  
Ordinance No. 95-18  
Referencing National Electrical Code

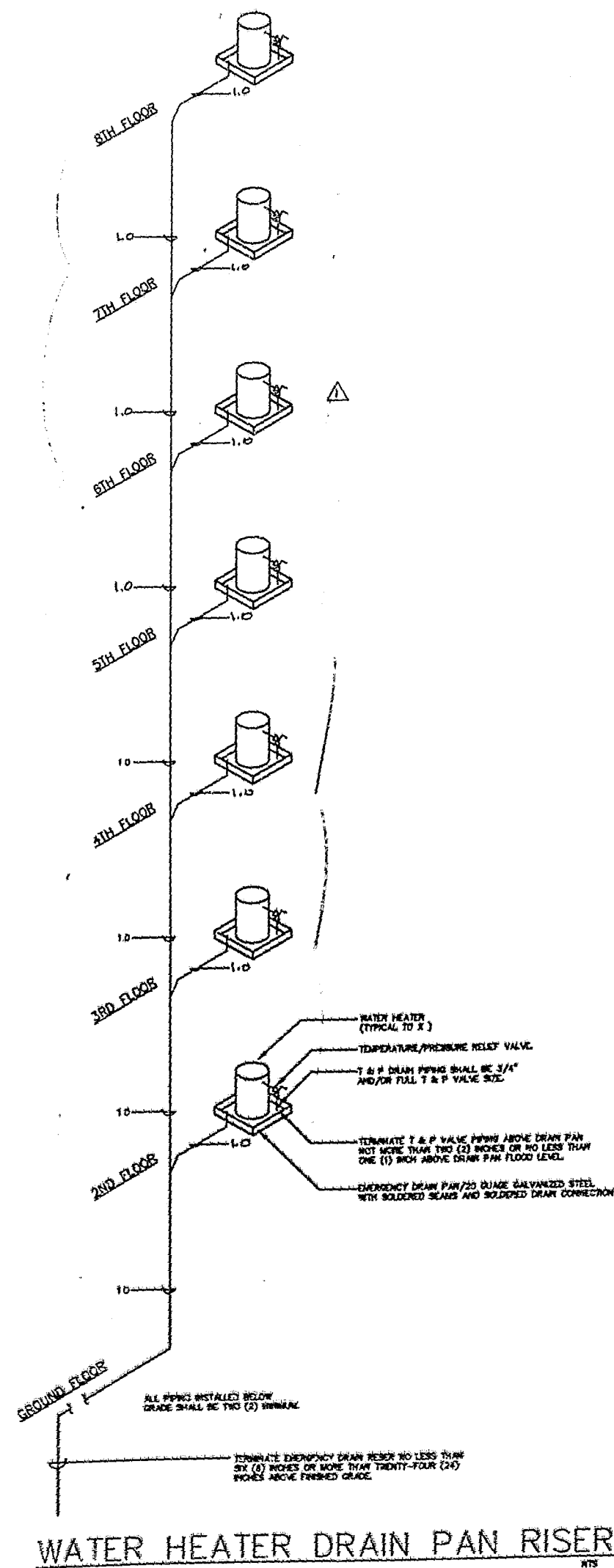
ELECTRICAL DEMAND CALCULATION / 14 UNIT BUILDING			
TOTAL CONNECTED	(A" UNITS) 7(45930)	=	321510 VA
	(AR" UNITS) 7(45930)	=	321510 VA
		=	643020 VA
DEMAND HOUSE	(40) (643020 VA)	=	257206 VA
		=	65880 VA
TOTAL		=	353086 VA
		=	360 V
MINIMUM FEEDER AMPACITY (NEC)		=	930.8 AMPS
INSTALLED FEEDER AMPACITY		=	1000.0 AMPS

UNIT "A"/"AR" DEMAND CALCULATIONS			
1	GENERAL LIGHTING (1548 SQ. FT.) (3 WATTS/SQ. FT.)	4635	WATTS
2	KITCHEN APPLIANCES (2 @ 1500 WATTS)	3000	WATTS
3	DISHWASHER	600	WATTS
4	DISPOSER	600	WATTS
5	REFRIGERATOR	600	WATTS
6	RANGE	10000	WATTS
7	WATER HEATER	4500	WATTS
8	WASHING MACHINE	5000	WATTS

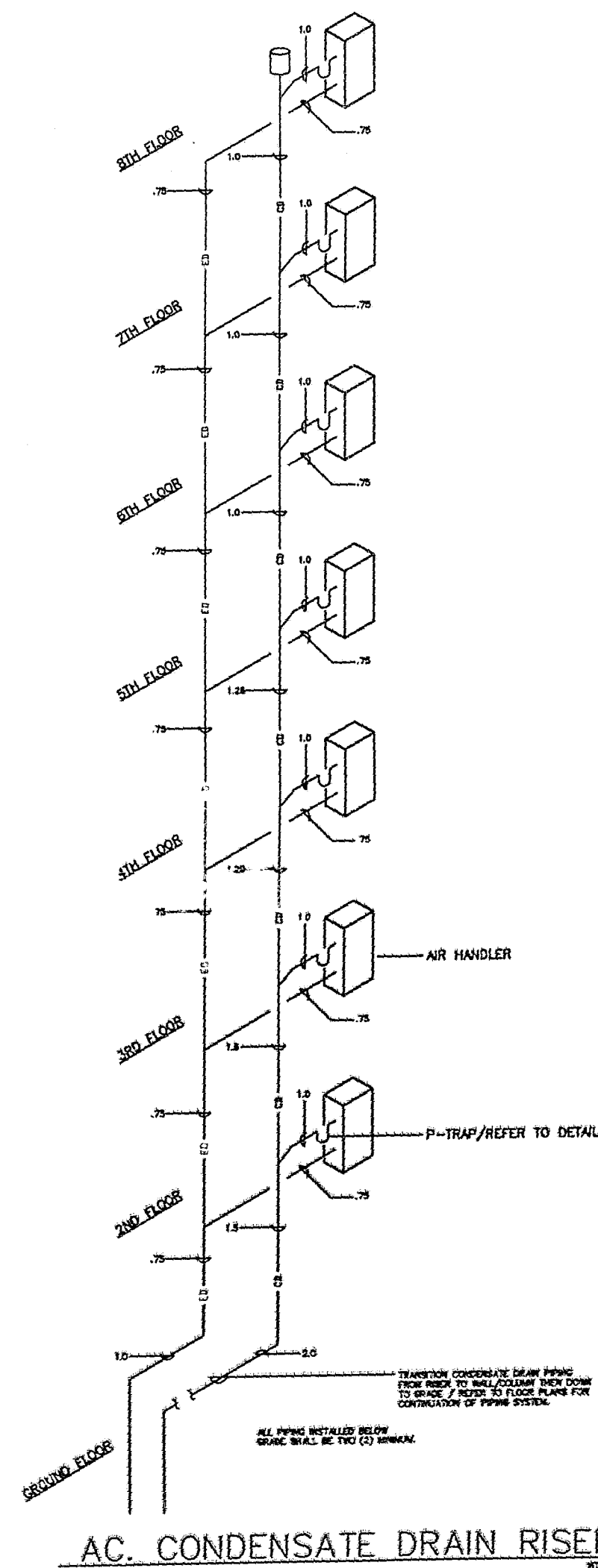


WATER HEATER INSTALLATION DETAIL  
N.T.S.

PIPE HANGER SUPPORT SCHEDULE		
STEEL PIPE OR TUBE SIZE	HANGER SPACING	MINIMUM ROD DIAMETER
1/2" - 1"	7'-0"	1/4"
1-1/4" - 1-1/2"	9'-0"	3/8"
2"	10'-0"	3/8"
2-1/2"	11'-0"	3/8"
3"	12'-0"	3/8"
4"	14'-0"	1/2"
6"	17'-0"	1/2"
8"	19'-0"	5/8"
COPPER PIPE OR TUBE SIZE	HANGER SPACING	MINIMUM ROD DIAMETER
1/2" - 3/4"	5'-0"	1/4"
1"	6'-0"	1/4"
1-1/2"	8'-0"	3/8"
2"	8'-0"	3/8"
2-1/2"	9'-0"	3/8"
3"	10'-0"	3/8"
4"	12'-0"	1/2"
PVC PIPE	HANGER SPACING	MINIMUM ROD DIAMETER
1/2" - 3/4"	4'-0"	1/4"
1"	4'-0"	1/4"
1-1/4" - 1-1/2"	5'-0"	3/8"
2"	5'-0"	3/8"
2-1/2"	6'-0"	3/8"
3"	6'-0"	3/8"
4"	6'-0"	1/2"
6"	7'-0"	1/2"
8"	8'-0"	5/8"



WATER HEATER DRAIN PAN RISER  
N.T.S.



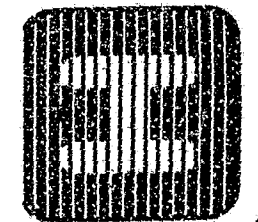
AC. CONDENSATE DRAIN RISER  
N.T.S.

SCHEDULES, NOTES AND DETAILS

DESIGN FIRM  
SENHOFF ENGINEERING  
6326 TRAIL BLVD N  
NAPLES, FLORIDA 33963  
CERTIFICATE NO. E80004450

CONTACT PERSON  
ERIC M. FENNELL  
FLOOR PLAN REVIEW  
(941) 398-2222  
GARY J. FENNELL  
(941) 398-2222 FAX

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS



3255 NORTH TAMAMI TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987

DRAWN RES/EHI  
COMM. NO.  
DATE 3-12-96  
REVISIONS  
1-10-16

BAYPOINT CONDOMINIUM  
PHASE TWO

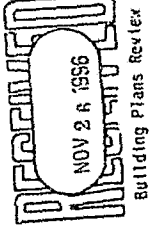
SCHEDULES, NOTES AND DETAILS

P-6

REVISIONS	
Zone	
Plumbing	
Building Electrical	
Plumbing	
Gas	
Plumbing	
Struct.	
Fire	
Health	
Utilities	
Health Eng.	

20-12-1966

REVISION



BUILDING DEPT. 804

96-8179



# BAYPOINT CONDOMINIUMS

## PHASE II FINAL SITE DEVELOPMENT PLAN SET SECTION 20, TOWNSHIP 48 SOUTH, RANGE 25 EAST COLLIER COUNTY, FLORIDA

PLANNING SERVICES DEPARTMENT  
ENGINEERING  
THIS PROJECT HAS BEEN REVIEWED AND APPROVED FOR  
SUFFICIENCY WITH THE COUNTY'S LAND DEVELOPMENT CODE. THE  
ENTITY/ENGINEER OF RECORDS SIGNING AND SEALING THESE  
PLANS WILL BE ACCOUNTABLE FOR ADEQUACY OF DESIGN OF ALL  
INFRASTRUCTURE FACILITIES AS EXHIBITED BY THESE DRAWINGS.  
SDP NO. 89-218/4  
APPROVE: [Signature]  
DATE: 11/16/95  
ENGINEERING PROJECT REVIEW  
RIGHT-OF-WAY PERMIT NO. [Blank]  
WATER MANAGEMENT PLAN [Blank]  
LANDSCAPING / IRRIGATION PLAN [Blank]  
SITE CLEARING (INFRASTRUCTURE) [Blank]  
ENGINEERING PLAN REVIEW [Blank]

### LEGEND WATER DISTRIBUTION SYSTEM

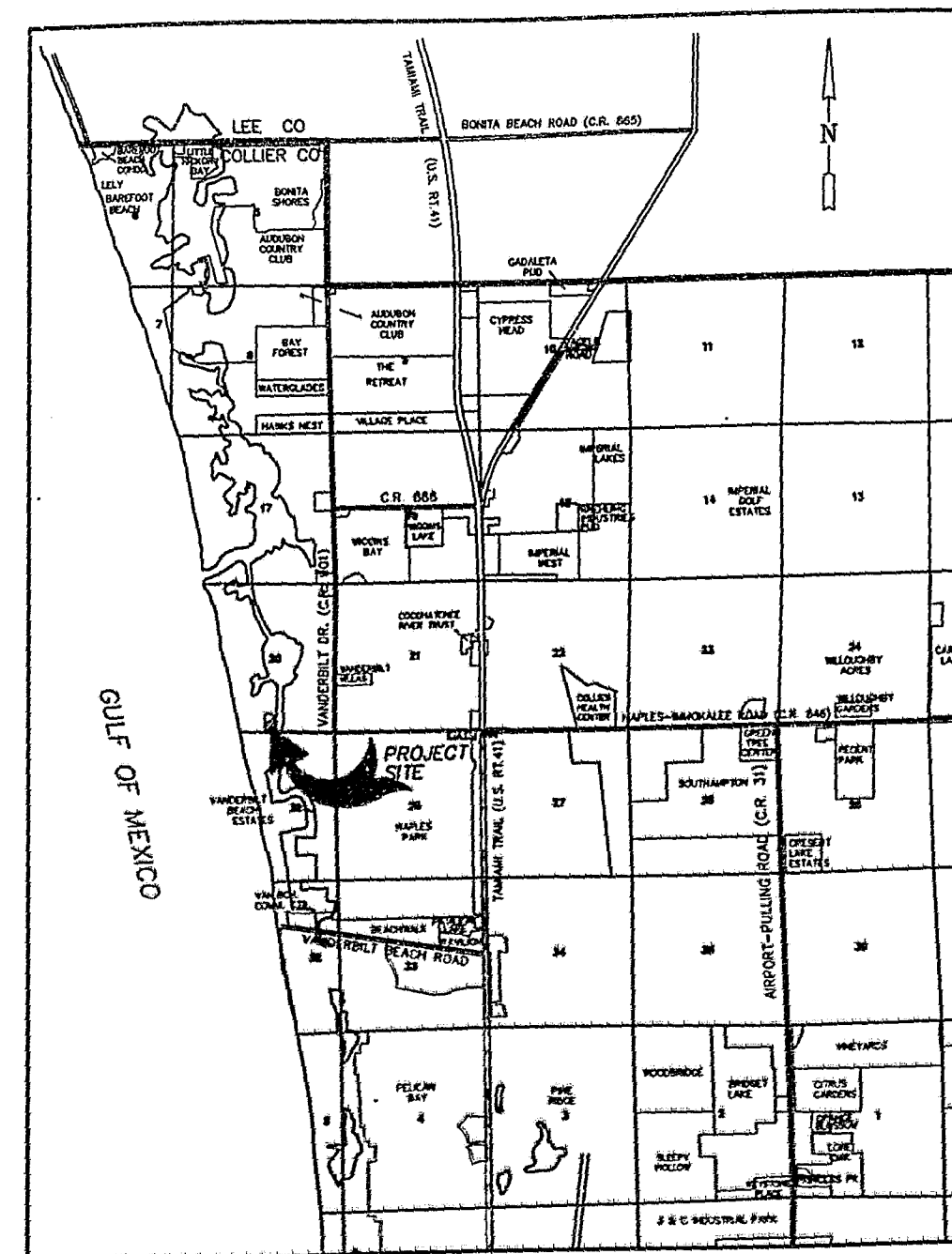
---	WATER MAIN DR 18, CL 150
---	WATER MAIN DR 14, CL 200
---	GATE VALVE
---	TEE
---	FIRE HYDRANT
---	3" P.V.C. WATER SERVICE CONDUIT
---	22 1/2" ELBOW
---	EXIST. WATER MAIN
---	WATER METER & VALVE
---	BLOWOFF VALVE & BACTERIAL SAMPLE POINT
---	PUMP STATION
---	REDUCER FITTING
---	BACTERIOLOGIC SAMPLE POINT

### SANITARY SEWER FACILITIES

---	SANITARY SEWER
---	MANHOLE
---	FORCE MAIN
---	6" SEWER SERVICE LATERAL
---	EXIST. SANITARY SEWER

### DRAINAGE FACILITIES

---	DRAINAGE BOUNDARY
---	CULVERT
---	STRAIGHT HEADWALL
---	MANHOLE
---	MITERED END SECTION
---	INLET STRUCTURE
---	WEIR STRUCTURE
---	DRAINAGE EASEMENT
---	EXISTING CONTOUR
---	EXISTING ELEVATIONS
---	PROPOSED ELEVATIONS
---	DISCHARGE STRUCTURE
---	DRAINAGE FLOW ARROW
---	TRAFFIC FLOW ARROW



LOCATION MAP

FOR:  
**BAYPOINT DEVELOPMENT LTD.**  
PREPARED BY:  
**Agnoli, Barber & Brundage, Inc.**  
Professional Engineers, Planners & Land Surveyors

7400 Tamiami Trail, N. Suite 200 Naples, Florida 33963 (813)597-3111

LAST COUNTY REVIEW DATE \_\_\_\_\_

SDP NO. 89-218(MAJOR AMENDMENT)

SHEET NO.	TITLE
1	COVER SHEET
2	BOUNDARY & TOPOGRAPHIC SURVEY
3	PHASE II FINAL SITE DEVELOPMENT PLAN
4	MASTER UTILITY & DRAINAGE PLAN
5	BUILDING PLANS & HEIGHTS
6	AERIAL
7	EXCAVATION PLAN
8	WATER & SEWER DETAILS
9	PAVING, GRADING AND DRAINAGE DETAILS
10	GRINDER STATION DETAILS
11	CONSULTANT LANDSCAPE PLAN

CLIENT: **BAYPOINT DEVELOPMENT LTD.**  
3800 AIRPORT ROAD  
NAPLES, FLORIDA 33942  
(813)649-4422

ARCHITECT: **DAVID HUMPHREY & ASSOCIATES**  
3255 TAMIAHI TRAIL NORTH SUITE 202  
NAPLES, FLORIDA 33940  
(813)434-2987

LANDSCAPE **GREEN HERON LANDSCAPES, INC.**  
ARCHITECT: P.O. BOX 420065  
NAPLES, FLORIDA 33942  
(813)597-4041

CIVIL ENGINEER, **AGNOLI, BARBER & BRUNDAGE, INC.**  
PLANNER, 7400 TAMIAHI TRAIL, N. SUITE 200  
SURVEYOR: NAPLES, FLORIDA 33963  
(813)597-3111

WATER: COLLIER COUNTY  
UTILITIES DIVISION  
3050 NORTH HORSESHOE DRIVE  
NAPLES, FLORIDA 33942  
CONTACT: TOM SATTERFIELD, P.E.  
(813)434-5050

SEWER: COLLIER COUNTY  
UTILITIES DIVISION  
3050 NORTH HORSESHOE DRIVE  
NAPLES, FLORIDA 33942  
CONTACT: TIM CLEMONS  
(813)434-5050

ELECTRICAL: FLORIDA POWER & LIGHT COMPANY  
P.O. BOX 413013  
NAPLES, FLORIDA 33941-3013  
CONTACT: JEFF GRATTON  
(813)353-6080

TELEPHONE: UNITED TELEPHONE COMPANY OF FLORIDA  
P.O. BOX 2477  
NAPLES, FLORIDA 33939-2477  
CONTACT: RAY AMICO  
(813)263-6213

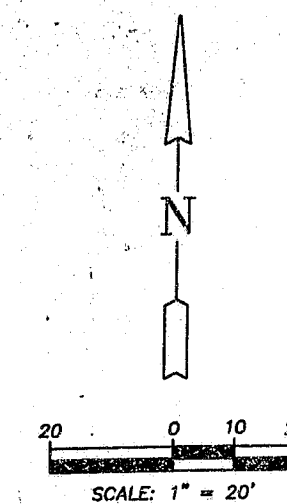
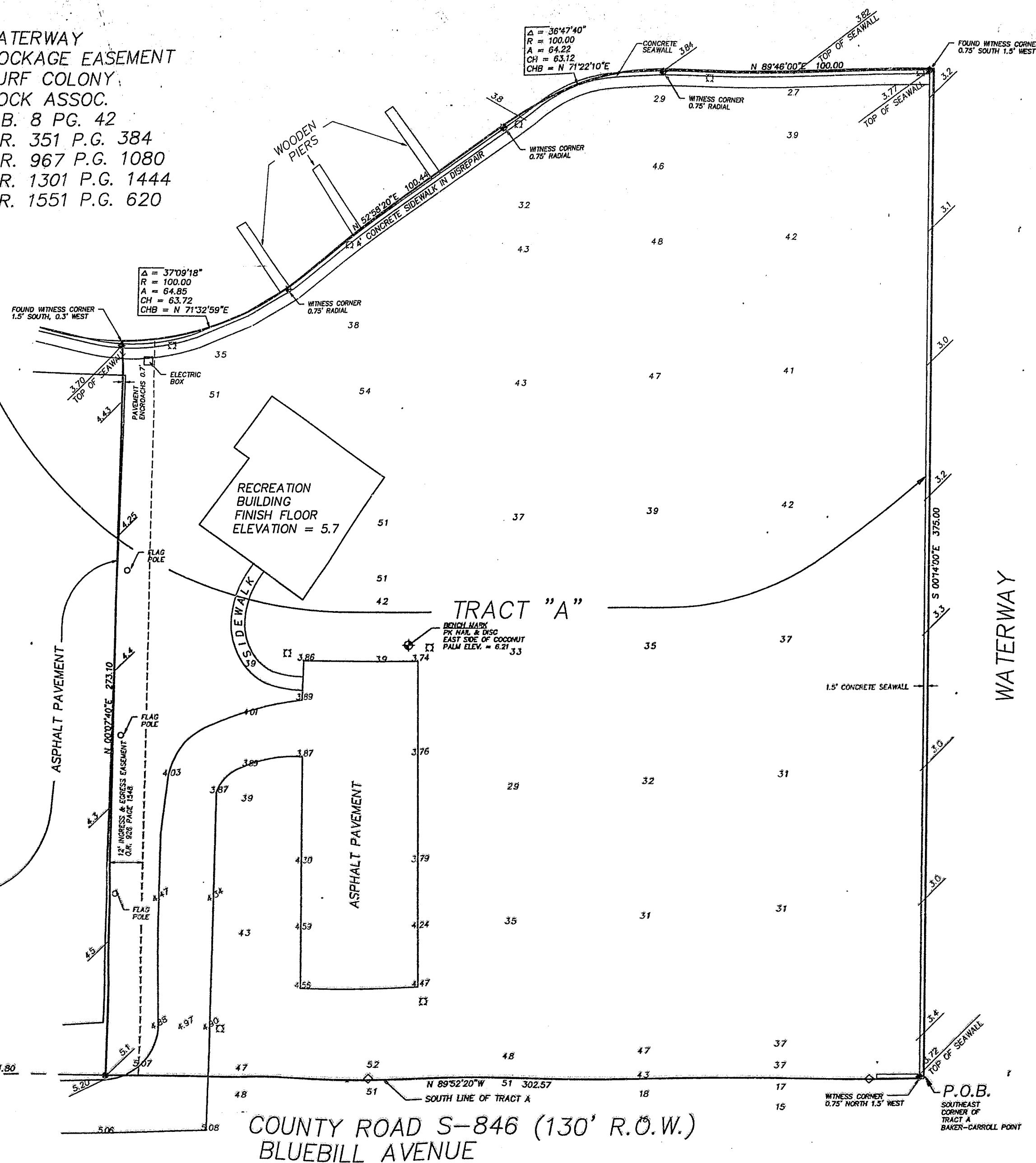
CABLE: COLONY CABLE VISION  
P.O. BOX 413018  
NAPLES, FLORIDA 33942  
CONTACT: JOSEPH CRONE  
(813)793-9600

JAN 12 1996

DATE: 9-21-95  
ADD FILE # 5003-C  
SHEET 1 OF 11

WATERWAY  
DOCKAGE EASEMENT  
SURF COLONY  
DOCK ASSOC.  
P.B. 8 P.G. 42  
O.R. 351 P.G. 384  
O.R. 967 P.G. 1080  
O.R. 1301 P.G. 1444  
O.R. 1551 P.G. 620

VANDEBILT TOWERS  
UNIT 1



- = FOUND IRON ROD
- = LIGHT POLE
- ◇ = POWER POLE
- ◆ = RECOVERED DRILL HOLE (WITNESS CORNER)
- ◆ = FOUND DRILL HOLE (WITNESS CORNER)

#### DESCRIPTION FURNISHED BY CLIENT

A portion of Tract A, BAKER-CARROLL POINT, more particularly described as follows:

Beginning at the Southeast corner of Tract A, Baker-Carroll Point, as recorded in Plat Book 8, Page 42, Public Records of Collier County, Florida, run N 89°52'20" W along the South line of Tract A, being also the North Right-of-Way line of State Road S-846, for 302.57 feet; thence run N 00°07'40" E for 273.10 feet to a point on the property and waterway line; thence run 64.85 feet along the arc of a curve concave to the Northwest, having a radius of 100.00 feet, and subtended by a chord having a bearing N 71°33'00" E, and a length of 63.72 feet to a point of tangency; thence N 52°58'20" E for 100.44 feet to a point of curvature; thence run 64.22 feet along the arc of a curve concave to the Southeast having a radius of 100.00 feet, and subtended by a chord having a bearing N 71°22'10" E, and a length of 63.12 feet to a point of tangency; thence N 89°46'00" E for 100.00 feet, the last 4 courses being along the waterway line; thence S 00°14'00" E along the property line for 375.00 feet to the Point of Beginning, containing 2.357 acres more or less.

#### CERTIFICATE:

WE HEREBY CERTIFY to FIRST NATIONAL BANK of BONITA SPRINGS, ATTORNEY'S TITLE INSURANCE FUND, BAYPOINT DEVELOPMENT LTD.

that a BOUNDARY AND TOPOGRAPHIC SURVEY of part of Baker-Carroll Point Subdivision, (Plat Book 8, page 42), Collier County, Florida, was completed under our direction on March 4, 1993.

This BOUNDARY AND TOPOGRAPHIC SURVEY meets the minimum technical standards set forth by the Florida Board of Land Surveyors in Chapter 21HH-6, Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

AGNOLI, BARBER & BRUNDAGE, INC.  
Professional Engineers, Planners & Land Surveyors

By Guy F. Adams, P.L.S. No. 4390

#### NOTE:

This certification is only for the lands as described. It is not a certification of title, zoning, easements or freedom of encumbrances. This Certification is not valid unless signed by the surveyor and sealed with the surveyor's embossed seal.

ABSTRACT NOT REVIEWED.

#### GENERAL NOTES:

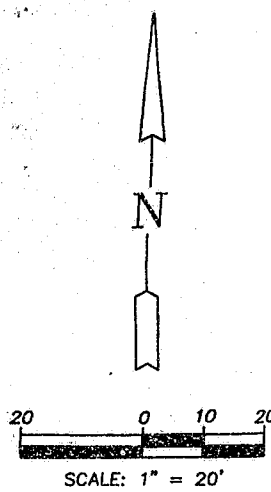
- Dimensions are in feet and decimals thereof.
- P.O.B. = Point of Beginning.
- P.O.C. = Point of Commencement.
- R.O.W. = Right-of-Way.
- Curve Dimensions are as follows:  
 $\Delta$  = Delta,  $R$  = Radius,  $A$  = Arc,  $CH$  = Chord, and  $CHB$  = Chord Bearing
- Bearings are based on the South line of Tract A according to the plat of Baker-Carroll point, as recorded in Plat Book 8, page 42, Collier County Public Records, Collier County, Florida.
- Elevations are based on NGVD 1929, using Bench Mark C-244, Elevation = 3.52.

MAP OF BOUNDARY & TOPOGRAPHIC SURVEY  
OF PART OF BAKER-CARROLL POINT SUBDIVISION  
AS RECORDED IN (PLATBOOK 8, PAGE 42)  
COLLIER COUNTY, FLORIDA

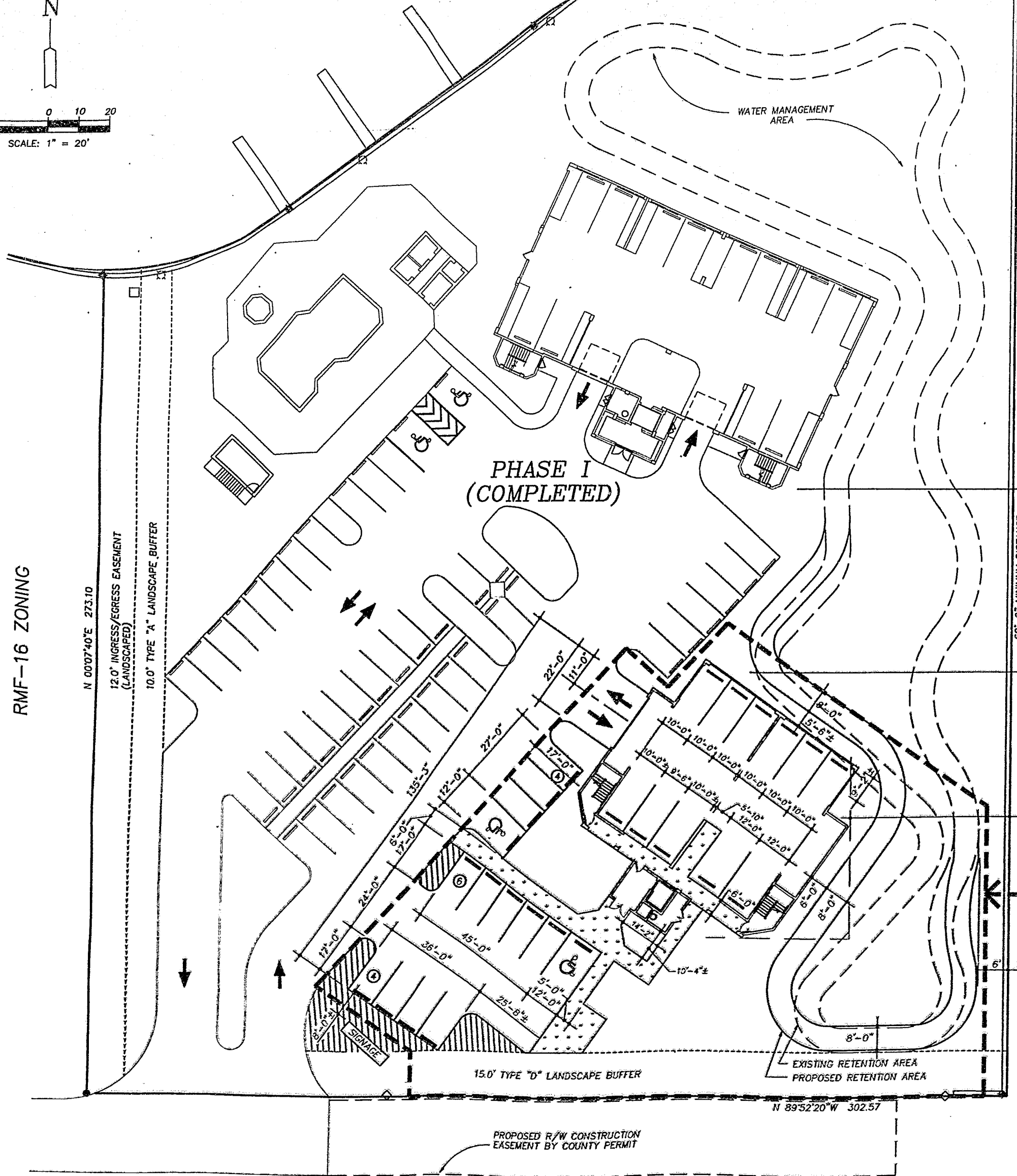
approved: <u>[Signature]</u> JAN 10 1995	revision:	for:	BAYPOINT DEVELOPMENT LTD.	design:	GRA	
		title:	MAP OF BOUNDARY & TOPOGRAPHIC SURVEY FOR PHASED FINAL SITE DEVELOPMENT PLAN	drawn:	WAS	
		bk:	pg:	date:	SEPT. 25, 1995	
		1-21	scale:	1" = 20'	view:	LIMITS
			cogo #:	COGO	project #:	6512
					sheet #:	2 of 11
					file #:	5003

AGNOLI, BARBER & BRUNDAGE, INC.  
Professional engineers, planners, & land surveyors  
Main Office: 7400 Tamiami Trail N., Naples, FL 33963 (813)587-3111  
Lee County: 6191 College Pkwy., Suite 205, Ft. Myers, FL 33919 (813)337-3111  
Fax: (813)566-2203





BOAT BASIN



RMF-16 ZONING

N 00°07'40"E 273.10

12.0' INGRESS/EGRESS EASEMENT (LANDSCAPED)

10.0' TYPE "A" LANDSCAPE BUFFER

PHASE I (COMPLETED)

S 00°14'00"E 375.00

WATERWAY TO TURKEY BAY

62'-9" MINIMUM DISTANCE REQUIRED BETWEEN STRUCTURES TO THE 5'-0" LINE OF BALCONY ENCROACHMENT PER C.C. LDC SUBSECTION 26.4.1.4

52'-4" BUILDING SETBACK NOTE: BALCONY MAY ENCR OACH UP TO 5'-0".

PHASE II BOUNDARY

6" MINIMUM

PROPOSED R/W CONSTRUCTION EASEMENT BY COUNTY PERMIT

BLUEBILL AVENUE (130' COUNTY R.O.W.)

WATER MANAGEMENT AREA

15.0' TYPE "D" LANDSCAPE BUFFER

EXISTING RETENTION AREA PROPOSED RETENTION AREA

N 89°52'20"W 302.57

### SITE DATA

1. Phase I Site Utilization: (Existing)			
Use	Area	Acres	% of Site
A. Building "A"	= 7,500 S.F.	0.172	7%
B. Interior Landscaped Area	= 2,500 S.F.	0.057	2%
C. Vehicular Use Area	= 21,800 S.F.	0.501	22%
D. Sidewalks & Misc. Impervious	= 2,600 S.F.	0.059	3%
E. Water Management Area	= 13,600 S.F.	0.312	13%
F. Recreational Area	= 4,600 S.F.	0.106	4%
G. Phase II	= 24,100 S.F.	0.553	23%
Subtotal	= 76,700 S.F.	1.780	74%
H. Other Open Space	= 25,971 S.F.	0.597	26%
TOTAL	= 102,671 S.F.	2.357	100%

Phase II Site Utilization:			
Use	Area	Acres	% of Site
A. Building "B"	= 5,400 S.F.	0.124	22%
B. Interior Landscaped Area	= 1,600 S.F.	0.037	7%
C. Vehicular Use Area	= 4,200 S.F.	0.096	17%
D. Sidewalks & Misc. Impervious	= 1,400 S.F.	0.032	6%
E. Water Management Area	= 5,000 S.F.	0.110	21%
Subtotal	= 17,400 S.F.	0.399	71%
F. Other Open Space	= 6,700 S.F.	0.154	29%
TOTAL	= 24,100 S.F.	0.553	100%

Phase I & II Site Utilization:			
Use	Area	Acres	% of Site
A. Buildings "A" & "B"	= 12,900 S.F.	0.296	12%
B. Interior Landscaped Area	= 4,100 S.F.	0.094	4%
C. Vehicular Use Area	= 26,000 S.F.	0.597	26%
D. Sidewalks & Misc. Impervious	= 3,800 S.F.	0.087	4%
E. Water Management Area	= 18,600 S.F.	0.427	18%
F. Recreational Area	= 4,600 S.F.	0.106	4%
Subtotal	= 70,000 S.F.	1.607	69%
G. Other Open Space	= 32,671 S.F.	0.750	31%
TOTAL	= 102,671 S.F.	2.357	100%

#### 2. Landscaping:

- A. At least ten (10%) percent of the amount of vehicular use areas on site shall be devoted to interior landscaping areas.
1. Phase II: 4,200 S.F. x 0.10 = 420 S.F. required/provided.
- B. One tree shall be provided for the greater of (1) for every two hundred and fifty (250 S.F.) square feet of required interior landscape area or one (1) tree per required planting area.
- Phase II:
- 420 S.F. ÷ 250 = 2 trees required.
  - 4 planting areas at one (1) tree per planting area = 4 trees required.
  - 4 trees is the greater of the two requirements.

#### 3. Units and Parking

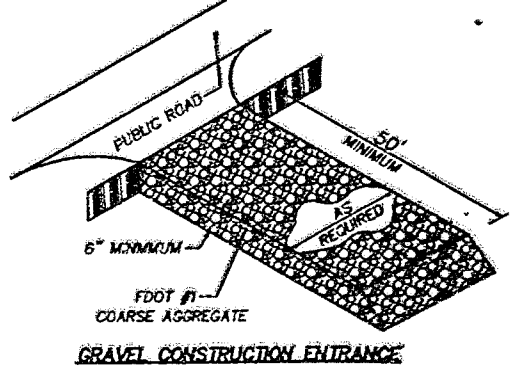
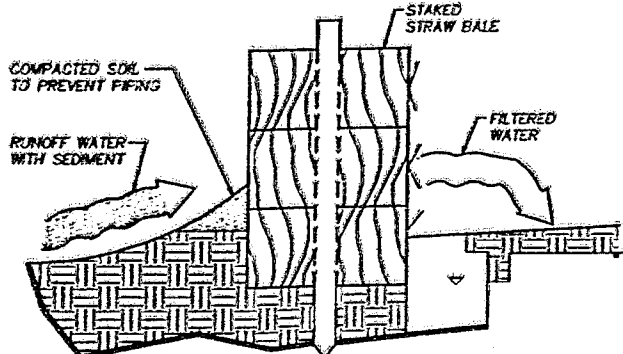
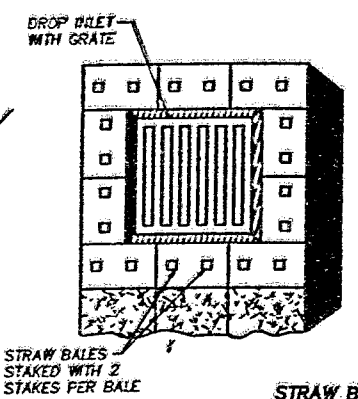
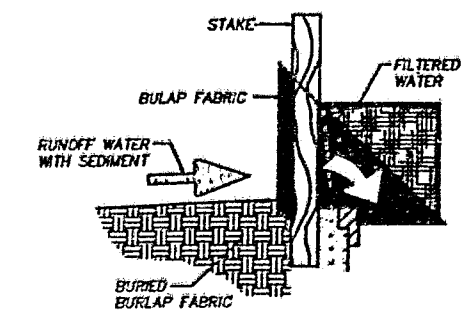
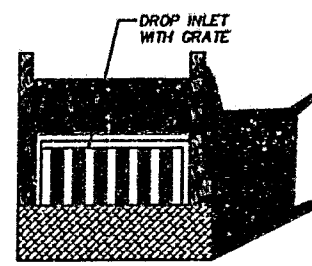
BUILDING	NO. UNITS	PARKING REQUIRED	PARKING PROVIDED
"A"	24	48	49*
REC./POOL	***	3	4
PHASE I SUBTOTAL	24	51	54
"B"	14	28	25*
TOTAL	38	79	79

- \* 2 spaces per unit required.
- \*\* (includes four(4) handicap parking spaces required/provided, inclusive of one van accessible space).
- \*\*\* 1,200 maximum pool size.
- \*\*\*\* Extra parking spaces may be carried over to future phase.

- Note: development requires one (1) loading space, one (1) loading spaces required/provided in Phase I.
4. Note: All common areas, open spaces and easments shall be owned and maintained by the property owners association.
5. Note: Zoning: RMF-16 = Residential.
6. Density: 16 units per acre X 2.357 Acres = 38 UNITS.
7. Maximum building height: 75 feet above flood elevation.
- A. Building "A": height above flood: 58'-2".
- B. Building "B": height above flood: 67'-4".
8. Setback requirements: 35.0 feet + 1.0 feet per each foot of height above 50.0 feet.
- A. Building "A": 35 + (58'-2" - 50.0) = 43' required.
- B. Building "B": 35 + (67'-4" - 50.0) = 52'-4" required.
9. Flood zone: AE: 13.0 feet NGVD; FEMA Map NO. 120067-1390 (8/3/86).
10. Radial dimensions of curves not shown have a 4.5' radius.
11. Sidewalks, unless otherwise indicated are to be flush with pavement.
12. Any existing vegetation of landscaping value should be relocated and saved as directed per L.D.C. Sec. 2.4.4.10.
13. All exotics shall be removed and the site shall be maintained exotic free in perpetuity.

#### GENERAL NOTES:

- PRIOR TO COMMENCEMENT OF CONSTRUCTION APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF-SITE AREAS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL THE SURROUNDING AREAS ARE ESTABLISHED.
- THE FOLLOWING MINIMUM REQUIREMENTS ARE RECOMMENDED: (REFERENCE FLORIDA DEVELOPMENT MANUAL, FDER, PPS 6-301 TO 6-500)
- THESE BEST MANAGEMENT PRACTICES (BMP) ARE TYPICAL OF REQUIREMENTS FOR SOIL EROSION CONTROL PER DIVISION 3.7 OF THE COLLIER COUNTY LAND DEVELOPMENT CODE. THEY MAY NOT CONSTITUTE COMPLETE REQUIREMENTS FOR COMPLIANCE WITH REGULATORY AGENCIES AND SPECIFIC PERMIT CONDITIONS.



#### EXISTING STRUCTURE LEGEND

- TV RISER
- POWER POLE
- UTS RISER
- AIR RELEASE VALVE
- WATER METER
- VALVE BOX
- SIGN
- PLUG
- VALVE
- REDUCER
- MANHOLE

#### LEGEND

- SIDEWALK
- INTERIOR LANDSCAPED AREA
- LANDSCAPE BUFFER
- PHASE II BOUNDARY

revision:

for: BAYPOINT DEVELOPMENT LTD.

title: BAYPOINT CONDOMINIUMS  
PHASE II FINAL SITE DEVELOPMENT PLAN  
COLLIER COUNTY, FLORIDA

AGNOLI  
BARBER &  
BRUNDAGE, INC.  
Professional engineers, planners, & land surveyors  
Main Office: 7400 Tamiami Trail N., Naples, FL 33963 (813) 567-3111  
Lee County: 8191 College Pkwy., Suite 205, Ft. Myers, FL 33919 (813) 337-3111  
Fax: (813) 564-2203

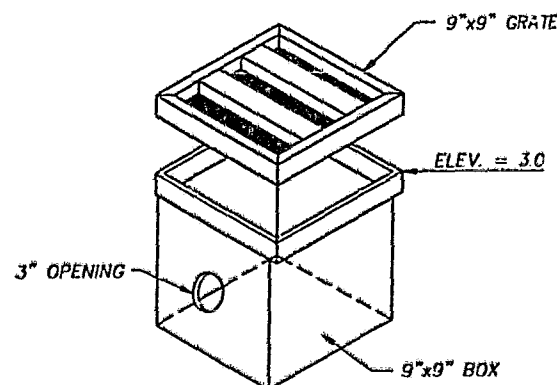
Design: MZ  
Drawn: WAS  
Checked: MZ  
Acad #: 5003  
View: LIMITS  
Project #: 6512  
Sheet #: 3 of 11  
File #: 5003



- LEGEND**
- CONCRETE SIDEWALK AND CONCRETE VEHICULAR PAVEMENT AREAS.
  - INTERIOR LANDSCAPED AREA
  - PHASE II BOUNDARY
  - EXCAVATION AREA

**EXISTING STRUCTURE LEGEND**

- TV RISER
- POWER POLE
- UTS RISER
- AIR RELEASE VALVE
- WATER METER
- VALVE BOX
- SIGN
- PLUG
- VALVE
- REDUCER
- MANHOLE

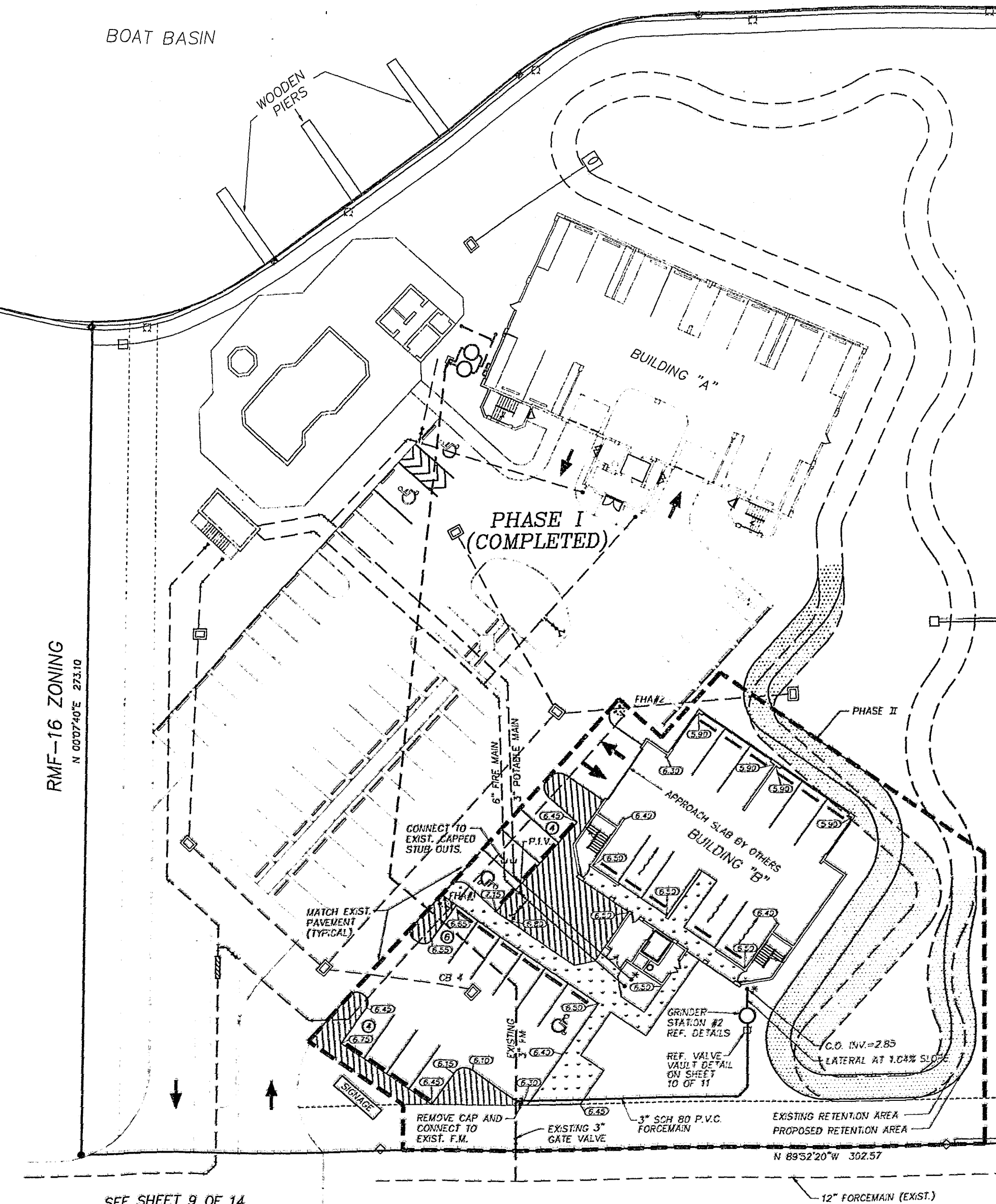


**BLEEDDOWN DETAIL**  
N.T.S.

STRUCT.	TYPE	INVERT	PIPE SIZE	GRATE EL.
C.B.				
1	"C" INLET	-1.0	15"	3.0
2	"C" INLET	-0.85 E -0.85 W -0.85 S	15"	5.5
3	"C" INLET	-0.72	15"	5.5
4	"C" INLET	-0.63	15"	5.5
5	"C" INLET	-0.63(N/E) 2.00(N/W) -0.63(S/E)	15"	5.5
6	"C" INLET	2.12 N 2.12 S	15"	5.5
7	"C" INLET	2.25 N 2.25 S	15"	5.5
8	"C" INLET	2.50	15"	5.5
ME				
1	N/A	2.40	15"	3.0

BLUEBILL AVENUE (130' COUNTY R.O.W.)

BOAT BASIN



SEE SHEET 9 OF 14

WATERWAY TO TURKEY BAY

**GENERAL NOTES**

- ALL DEBRIS CREATED BY CLEARING WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- ANY EXCESS FILL MATERIAL GENERATED WILL BE PLACED ON SITE AT THE DIRECTION OF THE OWNER OR HIS REPRESENTATIVE.
- CONTRACTOR SHALL PLACE ELECTRONIC MARKERS AT ALL SEWER LATERALS, WATER SERVICE CROSSING, LINE TERMINATIONS AND CLEAN-OUTS.
- STOP BARS AND DIRECTIONAL ARROWS (THERMOPLASTIC) WILL BE REQUIRED AS SHOWN.
- PROPOSED ELEVATIONS GIVEN ARE AT EDGE OF PAVEMENT.
- QUANTITIES OF PIPE LISTED IN ENGINEERS ESTIMATE ARE BASED ON MEASUREMENT FROM CENTERLINE OF STRUCTURES.
- ALL WATER LINES ARE SHOWN GRAPHICALLY ONLY. FITTING WILL BE REQUIRED WHERE DEFLECTIONS EXCEED MANUFACTURERS OR COLLIER COUNTY ALLOWABLE.
- ALL WATERMAIN SHALL MAINTAIN 10' HORIZONTAL SEPARATION FROM SANITARY SEWER.
- ALL TIE-INS TO WATERMAINS SHALL CONFORM TO COUNTY GAP CONFIGURATION, OR TEMPORARY BACKFLOW AT THE OPTION OF N.N.F.D.
- 18" MINIMUM CROSSING SEPARATION REQUIRED AT CONFLICTS BETWEEN WATERMAINS AND OTHER UNDERGROUND UTILITIES.
- THERE SHALL BE A MINIMUM OF 18" SEPARATION AT CONFLICTS BETWEEN GRAVITY SEWER AND STORM DRAINS, WITH 6" OF CRUSHED ROCK.
- AWWA C900 CL200 SDR14 PVC TO BE USED AT ALL PAVEMENT AND DEFLECTED UTILITY CROSSINGS UNLESS SPECIFICALLY CALLED OUT OTHERWISE. ALL OTHER WATER PIPE SHALL BE AWWA C900 CL150 SDR 18 (8") AND CL 150 (4").
- ALL 6" LATERALS SHALL HAVE A SLOPE OF 1.04% MINIMUM.
- ALL CONFLICTS WHERE FITTINGS ARE USED TO ACHIEVE A VERTICAL DEFLECTION SHALL USE RETAINER GLANDS.
- ALL FIRE HYDRANT ASSEMBLIES, AS SHOWN, SHALL INCLUDE A GATE VALVE. WHERE THE FIRE HYDRANT LEAD IS LONG THE GATE VALVE HAS BEEN SHOWN AT THE TEE, OTHERWISE THE VALVE HAS NOT BEEN SHOWN.
- ALL FLUSHING FIRE HYDRANT ASSEMBLIES SHALL BE CONSTRUCTED AS FOLLOWS:
  - WHERE FLUSHING FH IS DESIGNATED A FULL BORE BLOW OFF WILL BE CONSTRUCTED, REFERENCE C.C. STD. DETAIL W-1.
  - AFTER FLUSHING, ASSEMBLY WILL BE REMOVED BACK TO ISOLATION VALVE AND PERMANENT BSP WILL BE INSTALLED ON 3" TO 6" SPOOL, REFERENCE C.C. STD. DETAIL W-6.
  - THE FH WILL THEN BE INSTALLED ON THE END OF THE SPOOL, REFERENCE C.C. STD. DETAIL W-3.
- PLACEMENT OF ALL ROADWAY SIGNS AND STRIPING SHALL CONFORM WITH M.U.T.C.D. STANDARDS.
- ALL CATCH BASINS AND DRAINAGE MANHOLES DESIGNATED AS TRAFFIC RATED SHALL HAVE THE APPROPRIATE F.O.D.T. TRAFFIC RATED FRAME AND GRATE OR COVERS.
- ALL SLOPES 4:1 TO 3:1 SHALL BE SODDED.
- WATERMAIN AND FIREMAIN TO DIP BELOW SANITARY SEWER AND STORM SEWER AS NECESSARY AS PER COUNTY AND F.D.E.R. REQUIREMENTS FOR SEPERATION.
- PROPERTY OWNERS ASSOCIATION WILL MAINTAIN ALL COMMON AREAS, OPEN SPACE, PRIVATE STREETS, EASEMENTS, ON SITE WATER FACILITIES AND SEWER FACILITIES.
- THERE IS A 10' UTILITY EASEMENT CENTERED OVER THE 8" WATERMAIN UP TO AND INCLUDING THE R.P.B.F.P. AND METER ASSEMBLY.
- CONTRACTOR SHALL VERIFY THE LOCATION BOTH HORIZONTALLY AND VERTICALLY ALL UTILITIES THAT MAY BE IN OR NEAR THE PROJECT. THE UTILITIES SHOWN ON THE PLAN ARE AS KNOWN TO THE ENGINEER AND MAY NOT BE COMPLETE.
- UTILITY CORRIDORS MUST BE FILLED TO FINAL GRADE PRIOR TO MAIN INSTALLATION.
- THRUST BOLTS MUST BEAR ON UNDISTURBED SOIL OR MAINS SHALL BE RESTRAINED BY OTHER METHODS.
- ALL SUBROUTS OF WATER AND SANITARY SEWER FACILITIES WILL BE PROVIDED DURING PHASE I FINAL SITE DEVELOPMENT PLAN (F.S.D.P.) DESIGN.
- THE STORMWATER SYSTEM FOR PHASE I & II WILL BE DESIGNED AND CONSTRUCTED DURING PHASE I FINAL SITE DEVELOPMENT PLAN.
- ALL ON SITE WATER, SEWER MAINS AND PUMP STATIONS CONSTRUCTED WITH THIS PROJECT SHALL BE PRIVATELY MAINTAINED.
- ALL CONCRETE WALKS ARE TO BE 1/4" ABOVE ASPHALT WHERE ADJACENT.
- CONTRACTOR TO RESTORE OFFSITE CONDITIONS, (LANDSCAPE AND PAVEMENT AREAS) BACK TO PRE-CONSTRUCTION STANDARDS IN AREAS DISTURBED BY CONSTRUCTION.
- AT ALL WATER & SEWER FACILITIES CONNECTIONS TO BUILDINGS A (FLEX-TEAD) FLEXIBLE EXPANSION JOINT OR APPROVED EQUAL, SHALL BE INSTALLED.
- ALL CONCRETE PAVEMENT IN VEHICULAR USE AREAS SHALL HAVE A DEPTH OF 6" UNLESS OTHERWISE INDICATED.
- THE REVIEW AND APPROVAL OF IMPROVEMENT PLANS DOES NOT AUTHORIZE THE CONSTRUCTION OF THE REQUIRED IMPROVEMENTS WHICH ARE INCONSISTENT WITH EXISTING EASEMENTS OF RECORD.

JUN 10 1995

REVISIONS PER COLIER COUNTY REVIEW COMMENTS

NO.	DATE	DESCRIPTION

for: **BAYPOINT DEVELOPMENT LTD.**

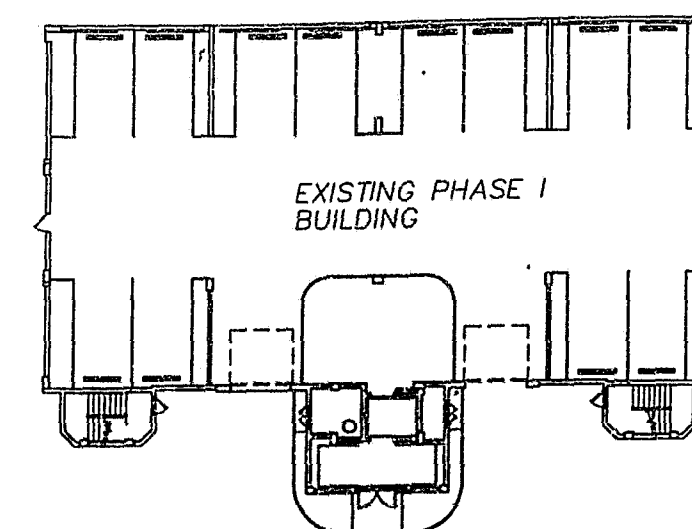
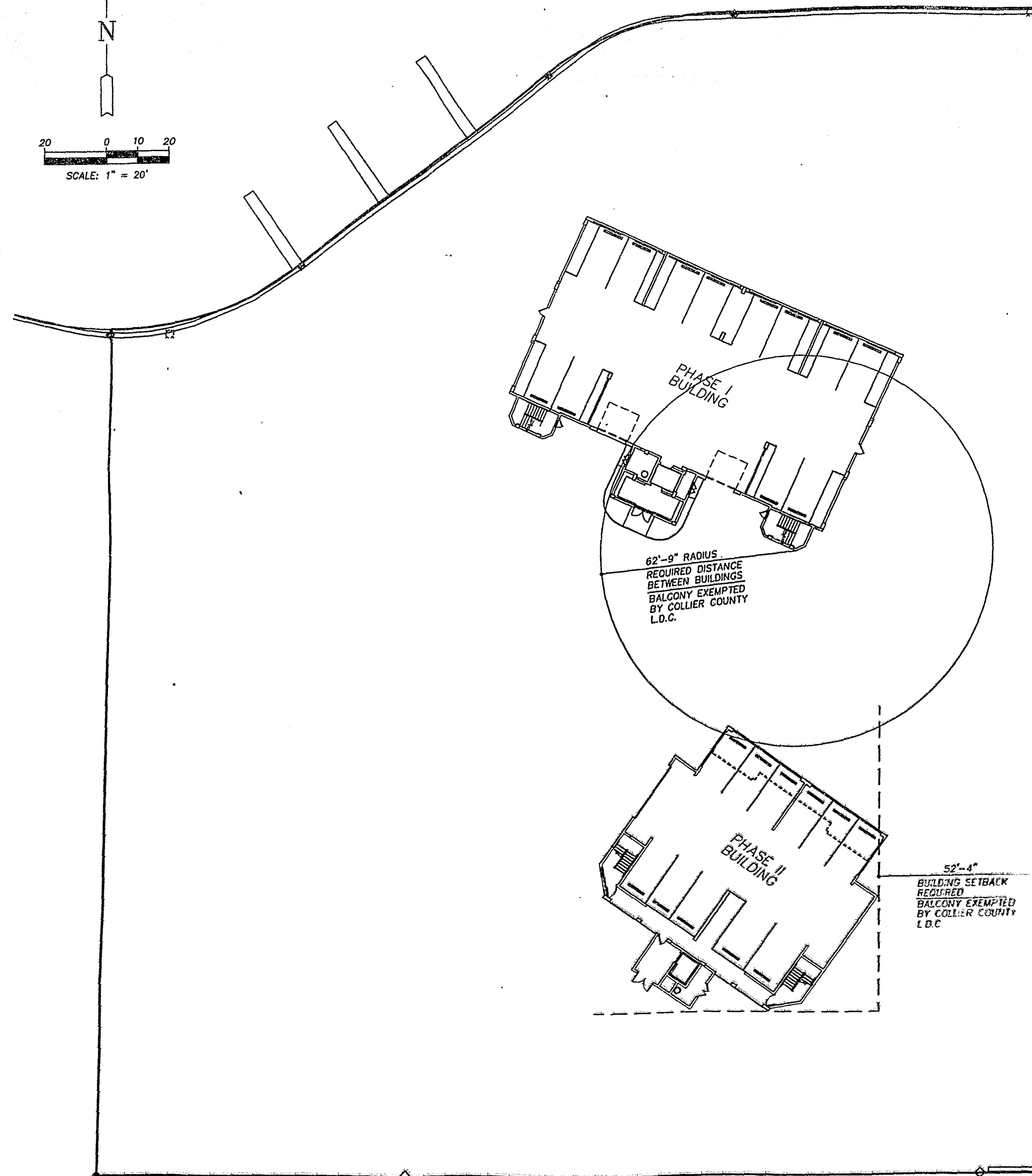
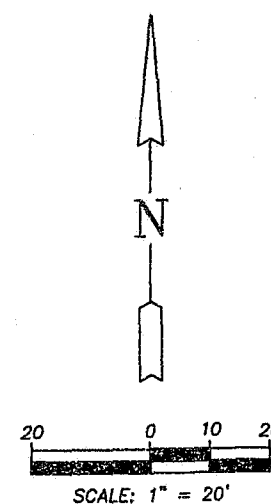
title: **BAYPOINT CONDOMINIUMS PHASE II MASTER UTILITY & DRAINAGE PLAN COLLIER COUNTY, FLORIDA**

design: JGM  
drawn: WAS  
checked: JGM  
coord: JGM  
sheet #: 5003-ES

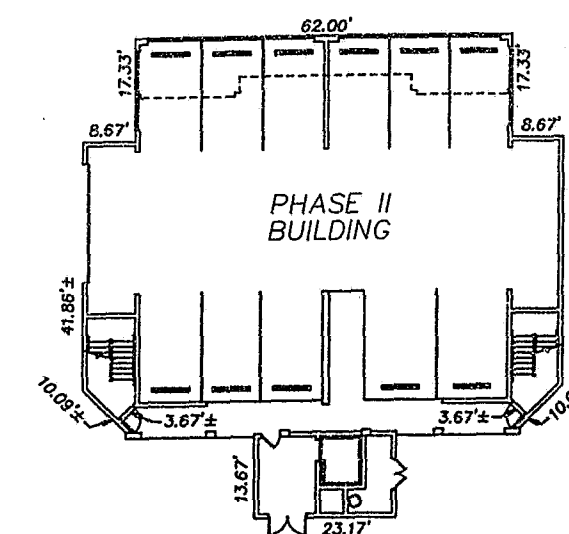
date: SEPT. 26, 1995  
scale: 1" = 20'  
cogo #: COGO

view: LIMITS  
project #: 6512  
sheet #: 4 of 11  
file #: 5003

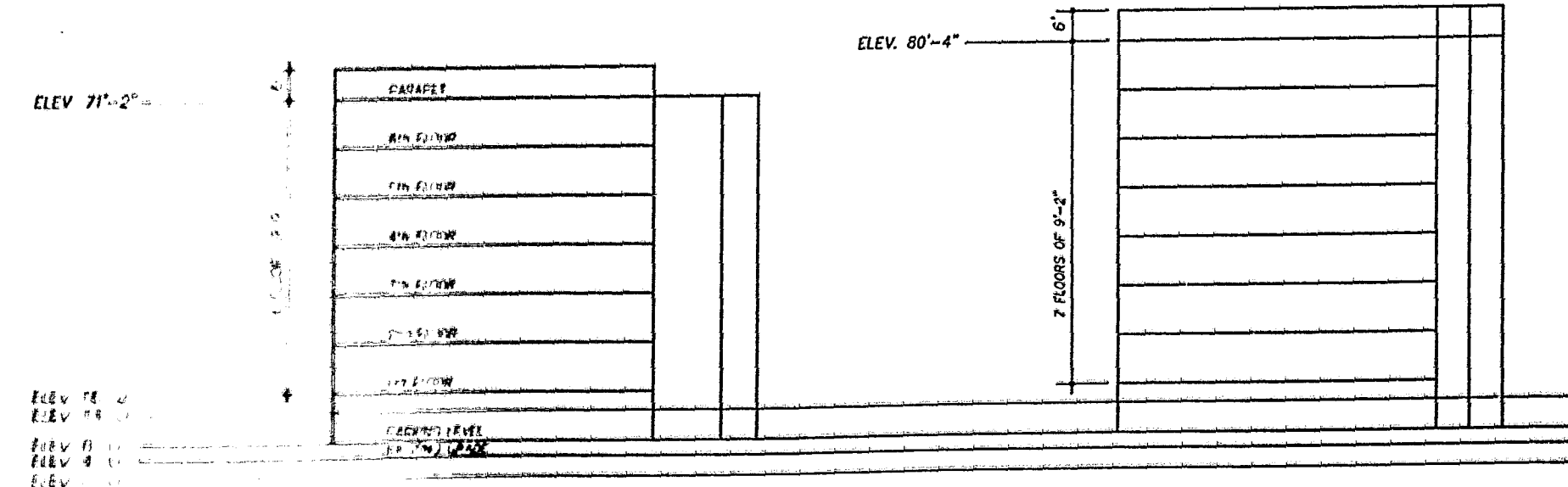
Professional engineers, planners, and land surveyors  
Main Office: 7400 Tamiami Trail N., Naples, FL 33963 (813)597-3111  
Lee County: 8191 College Pkwy., Suite 205, Ft. Myers, FL 33919 (813)337-3111  
Fax: (813)566-2203



GROUND LEVEL



GROUND LEVEL



EXISTING  
BUILDING  
PHASE I

BUILDING  
PHASE II

NOTE: REFERENCED LEMA MAP NO.  
128067 DATED 8/1/86  
FLOOD ZONE AS ELEVATION 13.0 FEET NAVD

NOTE: BUILDING PLANS AND HEIGHTS  
PROVIDED BY THE ARCHITECT: DAVID  
HUMPHREY & ASSOCIATES.

JUN 10 1995 approved: <i>[Signature]</i>	revision:	for: BAYPOINT DEVELOPMENT LTD.	design: MRF
		title: BAYPOINT CONDOMINIUMS PHASE II BUILDING PLANS AND HEIGHTS COLLIER COUNTY, FLORIDA	drawn: WAS
			checked: MRF
			accd #: 5003-BH
		date: SEPT. 25, 1995	view: LIMITS
		scale: 1" = 20'	project #: 6512
		cogo #: COGO	sheet #: 5 of 11
AGNOLI BARBER & BRUNDAGE, INC. Professional engineers, planners, & land surveyors Main Office: 7400 Tamiami Trail N., Naples, FL 33963 (813) 667-3111 Lee County: 6191 College Pkwy., Suite 205, Ft. Myers, FL 33919 (813) 937-3111 Fax: (813) 665-2263			5003





SCALE: 1"=200'



= AREA TO BE CLEARED

NOTE:

- 1) ALL TREES AND VEGETATION OF LANDSCAPING VALUE WITHIN THE AREAS TO BE CLEARED WILL BE RELOCATED TO LANDSCAPE AREAS BY TREESPADE (WHERE CONSIDERED PRACTICAL TO BE MOVED) BY OTHERS.
- 2) ALL EXOTIC TREES & VEGETATION TO BE CLEARED AND REMOVED FROM SITE.

THESE RECORD DRAWINGS SHOW THE WORK COMPLETED DURING CONSTRUCTION. THEY ARE BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PROJECT  
LOCATION

BLUEBILL AVE.


VANDEBILT DR. (901 COUNTY ROAD)

III<sup>th</sup> AVE.

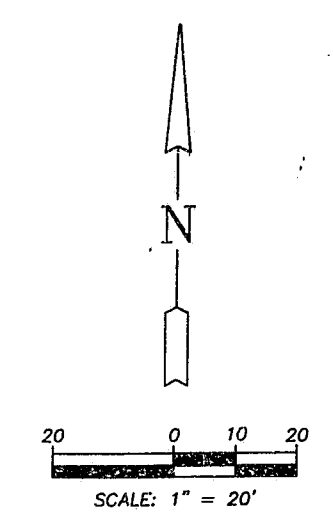
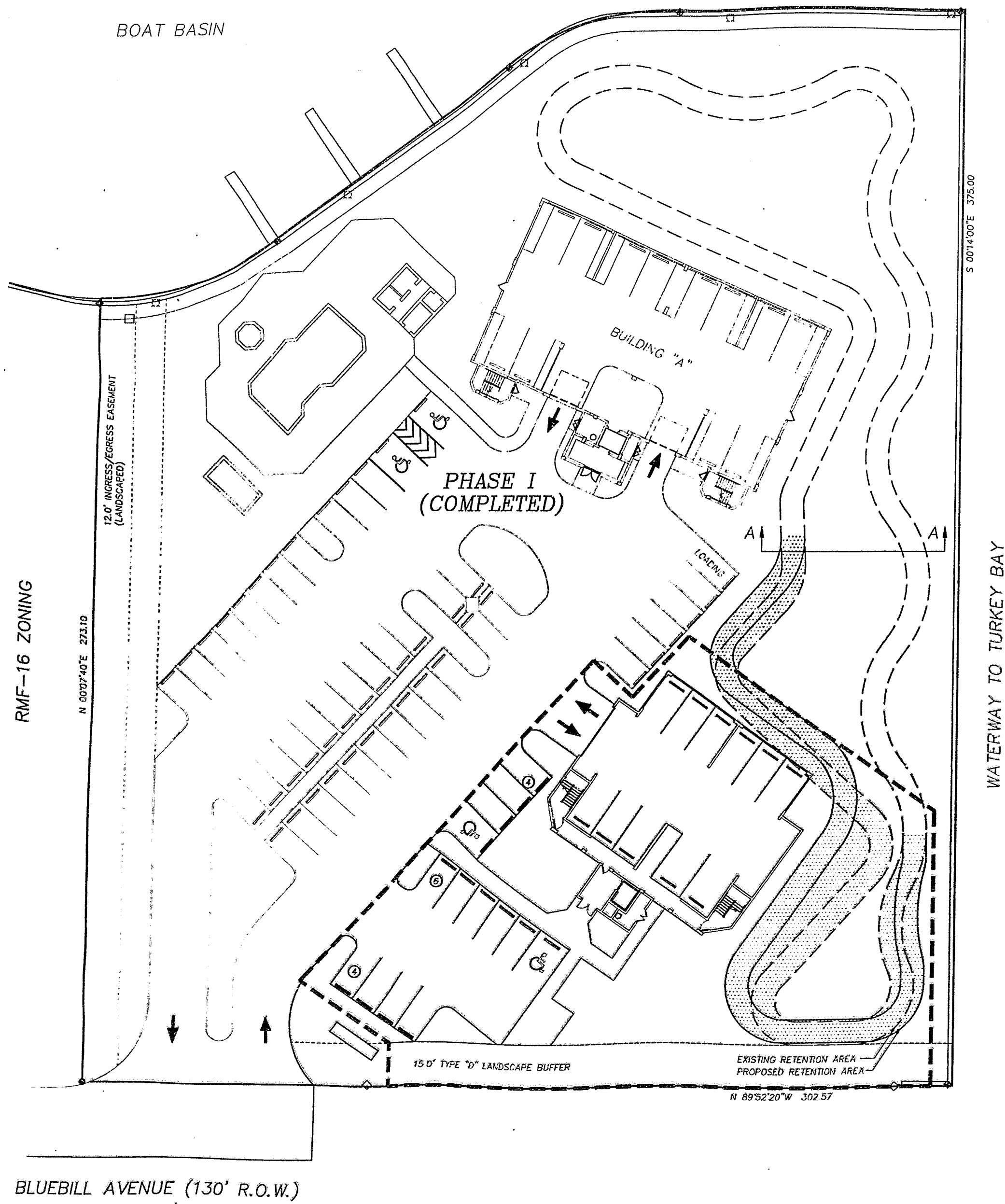
COLLIER COUNTY  
FLORIDA

20 48 25 2 D

PREPARED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION  
FOR THE FLORIDA DEPARTMENT OF HIGHWAYS  
FOR ASSESSMENT PURPOSES ONLY

DATE: 4-9-1993		SCALE: 1"=200'		SHEET # 6512		SHEET # 6 of 6		FILE # 50	
FOR: BAYPOINT DEVELOPMENT LTD.									
TITLE: BAYPOINT CONDOMINIUMS AERIAL PHOTO / CLEARING PLAN									
DESIGNER: AGNOLI		CHECKED: N.N.		DATE: 4-9-1993		VIEW: N.N.		DATE: 4-9-1993	
Professional engineers, planners, & land surveyors Main Office: 7400 Tamiami Trail, N. Naples, Florida 33963 (913) 897-3111 Lee County: 2077 Bayshore Parkway, Fort Myers, Florida 33901 (913) 337-3111 Fax: (913) 666-2309									
APPROVED:  JAN 10 1995									

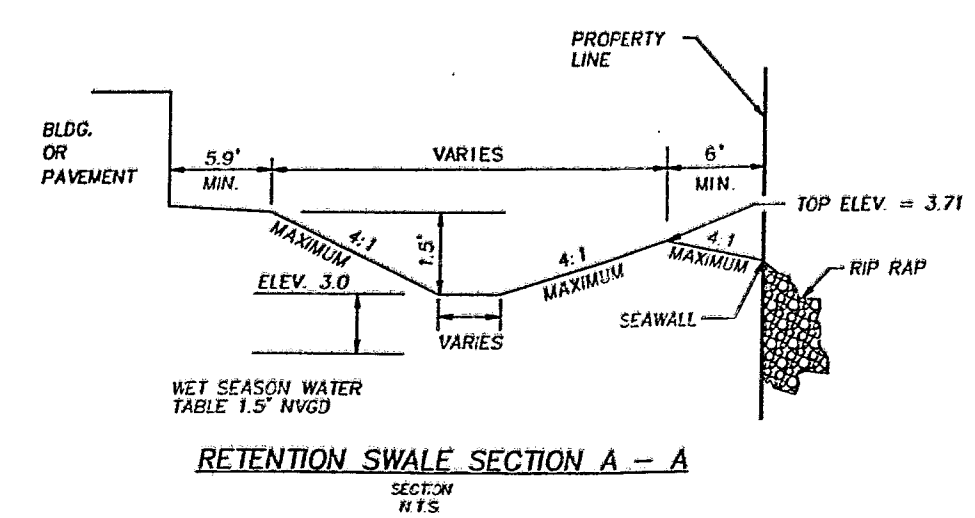




**LEGEND**

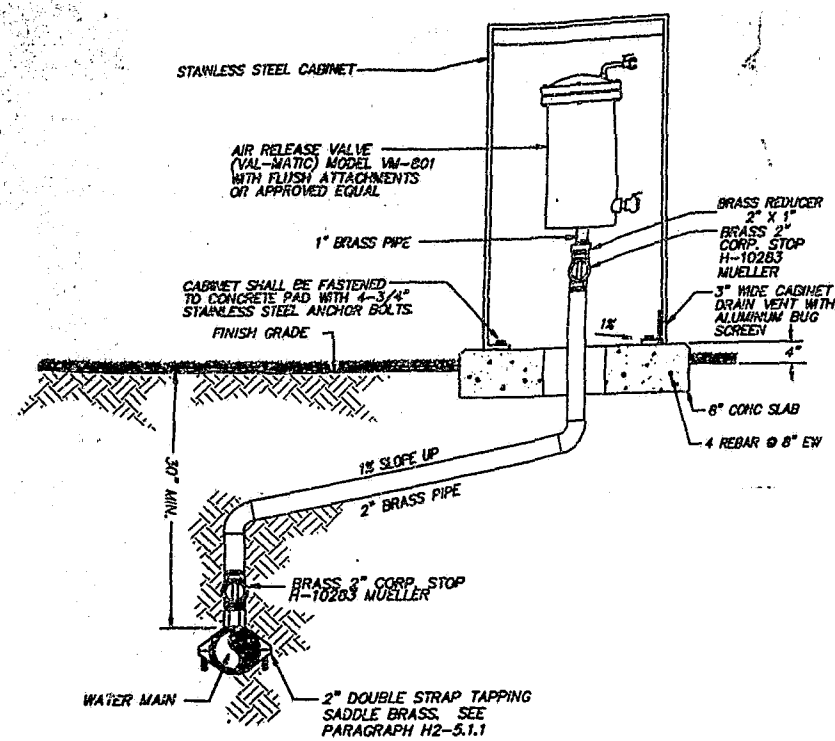
— EXCAVATION AREA

--- PHASE II BOUNDARY

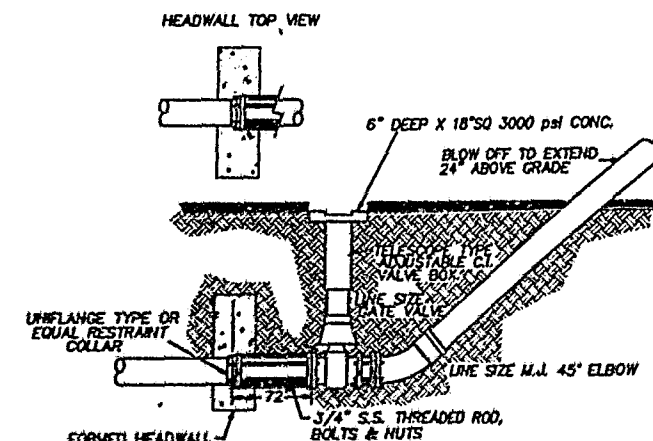


JAN 10 1996 approved: revision:	for <b>BAYPOINT DEVELOPMENT LTD.</b>		design: <b>MRP</b>
	title: <b>BAYPOINT CONDOMINIUMS PHASE II EXCAVATION PLAN COLLIER COUNTY, FLORIDA</b>		drawn: <b>WAS</b>
	bk: pg: date: <b>SEPT. 28, 1995</b>		checked: <b>MRP</b>
	scale: <b>1" = 20'</b> cogo #: <b>COGO</b>		acad #: <b>5003-EX</b>
view: <b>LIMITS</b>		project #: <b>6512</b>	
sheet #: <b>7 of 11</b>		file #: <b>5003</b>	

**AGNOLI BARBER & BRUNDAGE, INC.**  
 Professional engineers, planners, & land surveyors  
 Main Office: 7400 Tamiami Trail N., Naples, FL 33963 (813)337-3111  
 Lee County: 8191 College Pkwy., Suite 205, Ft. Myers, FL 33919 (813)337-3111  
 Fax: (813)566-2203

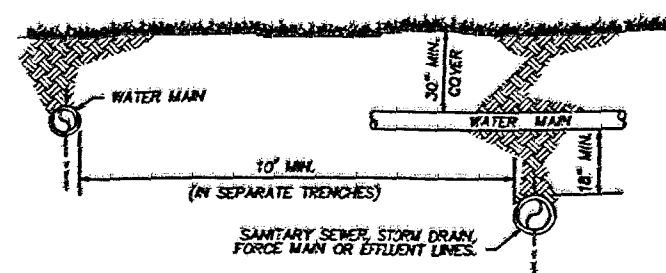


**AIR RELEASE VALVE**  
(SANITARY OR EFFLUENT)



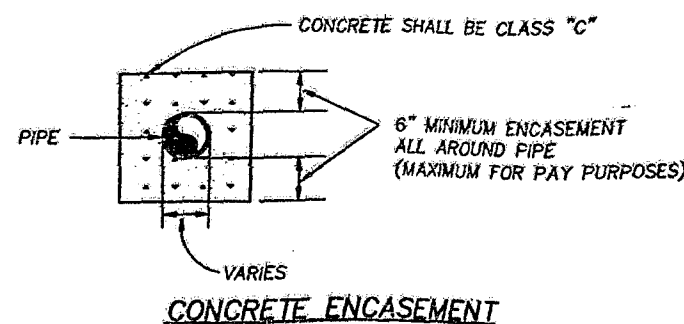
NOTE: VALVE BOX RISER SHALL NOT BEAR ON VALVE OR PIPE.  
NOTE: TEMPORARY BLOW-OFF TO REMAIN IN PLACE UNTIL DISTRIBUTION SYSTEM HAS BEEN PUSHED. AFTER CLEARANCE IS OBTAINED REFER TO FIRE HYDRANT DETAIL FOR FINAL CONFIGURATION.

**TEMPORARY BLOW OFF**

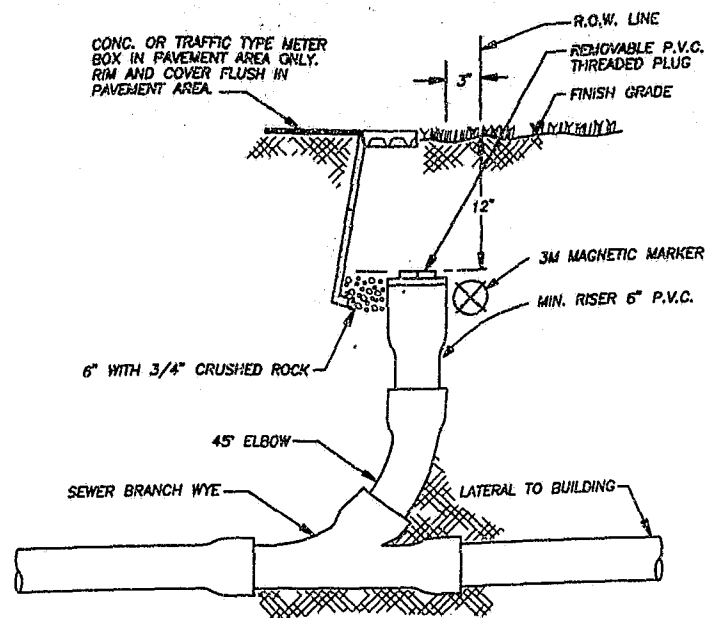


NOTES:  
1. SANITARY SEWER LINES OR FORCE MAINS SHALL BE SEPARATED FROM WATER MAINS BY A MINIMUM CLEAR VERTICAL DISTANCE OF 18\"/>

**CROSS OVER DETAIL**

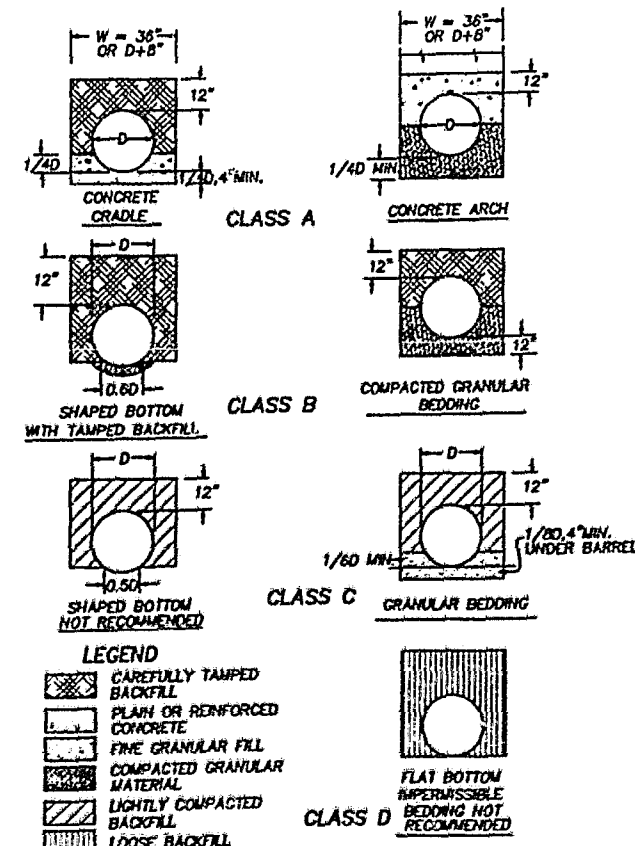


**CONCRETE ENCASUREMENT**

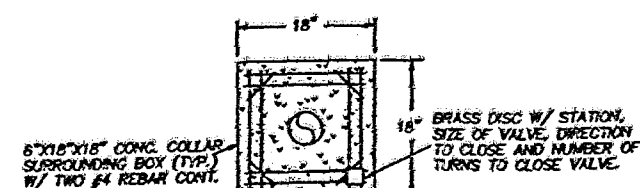


NOTE: DETAIL SHOWS FINISH CONFIGURATION AFTER LOT DEVELOPMENT.

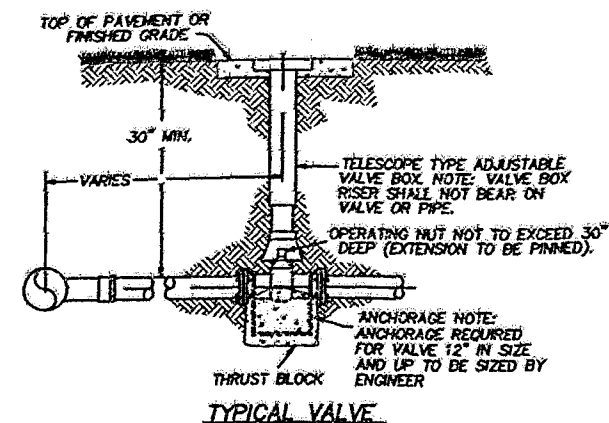
**PROPERTY LINE CLEANOUT**



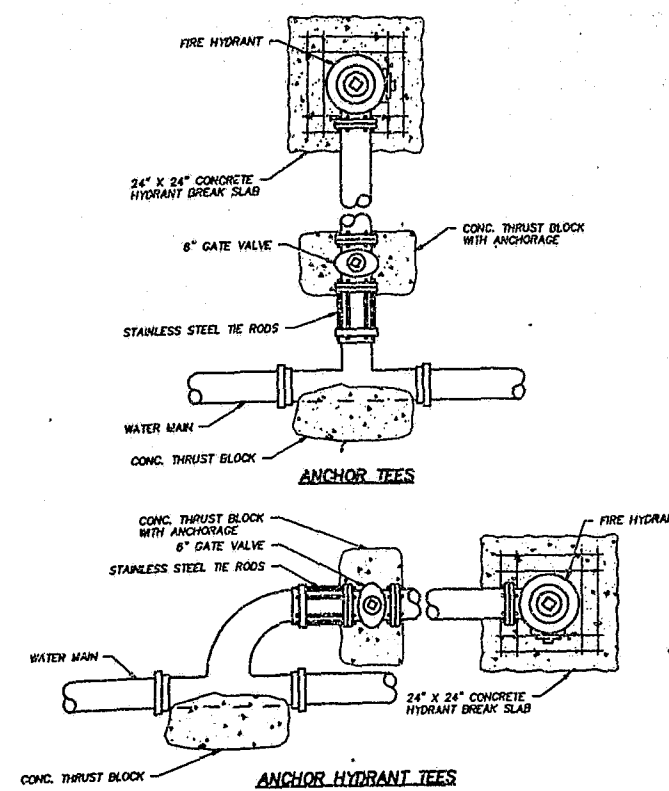
**BEDDING DETAIL**



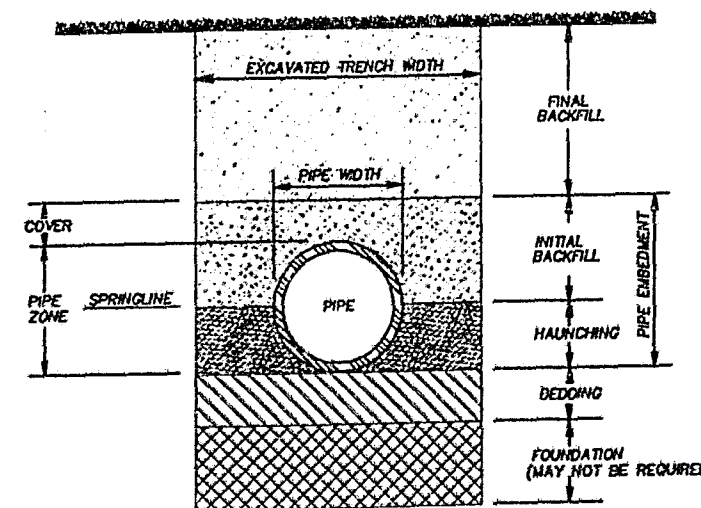
**REINFORCEMENT**



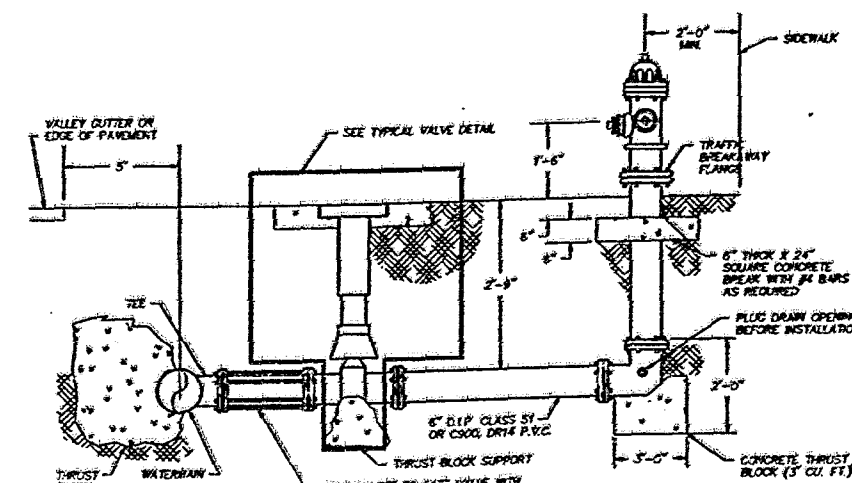
**TYPICAL VALVE**



**ANCHOR TEES**  
N.T.S.



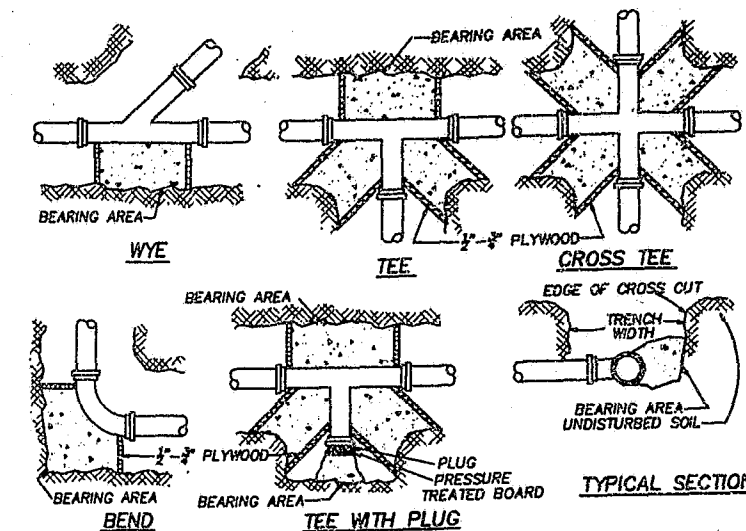
**PIPE EMBEDMENT SECTION**



NOTES:  
1. HYDRANT MUST BE CURRENT YEAR MANUFACTURE, AND MUST BE CAST ON BARREL AS TO YEAR OF MANUFACTURE.  
2. ALL EXISTING MARKS WHERE FIRE HYDRANTS ARE TO BE INSTALLED SHALL BE NOT TAPPED.  
3. 6\"/>

**TEMPORARY BLOW OFF WITH HYDRANT**  
N.T.S.

HYDRANT LEAD LENGTH	HYDRANT LEAD LENGTH	HYDRANT LEAD LENGTH
MIN. LEAD O.K.	MIN. LEAD O.K.	MIN. LEAD O.K.
6"	36"	72"
8"	36"	72"
10"	36"	72"
12"	36"	72"
14"	42"	72"

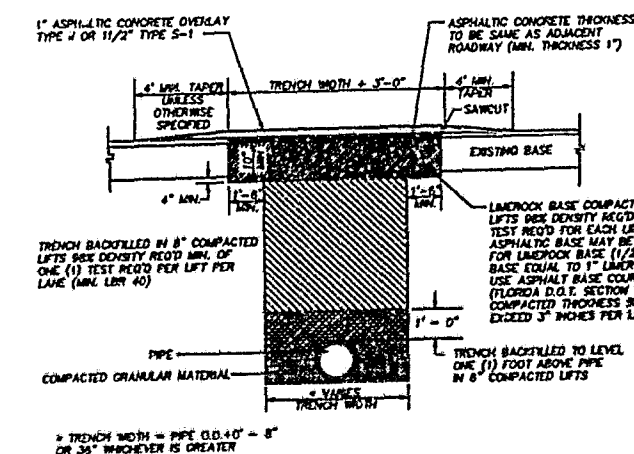


**TYPICAL THRUST BLOCKS**

PIPE SIZE	TEES	90° BEND	45° BEND	22 1/2° BEND	VALVES & PLUGS
4"	1	1	1	1	1
6"	3	4	2	1	3
8"	5	7	4	2	5
10"	8	12	6	3	9
12"	12	16	9	5	12
16"	16	20	12	7	16
20"	24	20	17	10	24
24"	34	34	24	13	34

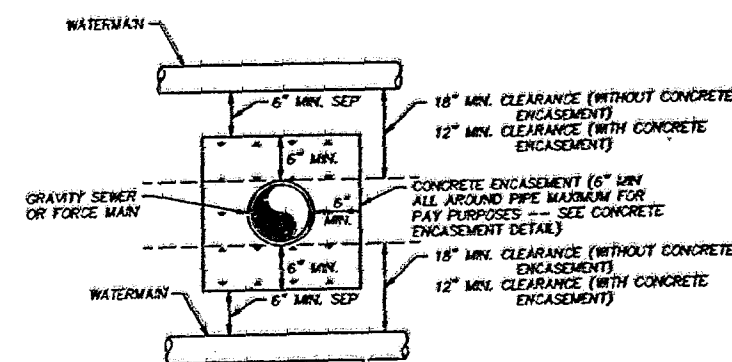
**TYPICAL THRUST BLOCKS**

**THRUST BLOCKS**



NOTES:  
1) ALL PROCTOR AND DENSITY TESTS SHALL BE TAKEN BY A CERTIFIED LABORATORY.  
2) ALL TESTS SHALL BE COMPLETED AND MEET MINIMUM DENSITY REQUIREMENTS PRIOR TO ADDITIONAL BACKFILLING.  
3) ORDINANCE 81-31 REQUIRES A R.O.W. PERMIT FOR ALL WORK WITHIN PUBLIC ROADS. THE R.O.W. PERMIT REQUIREMENTS SHALL SUPERSEDE THE DETAIL.

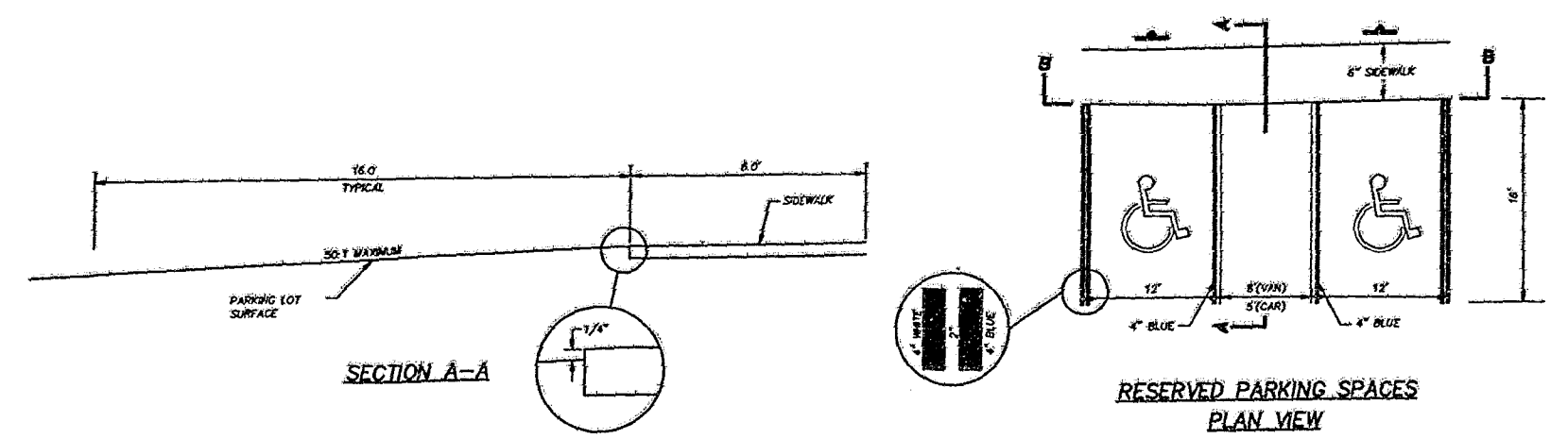
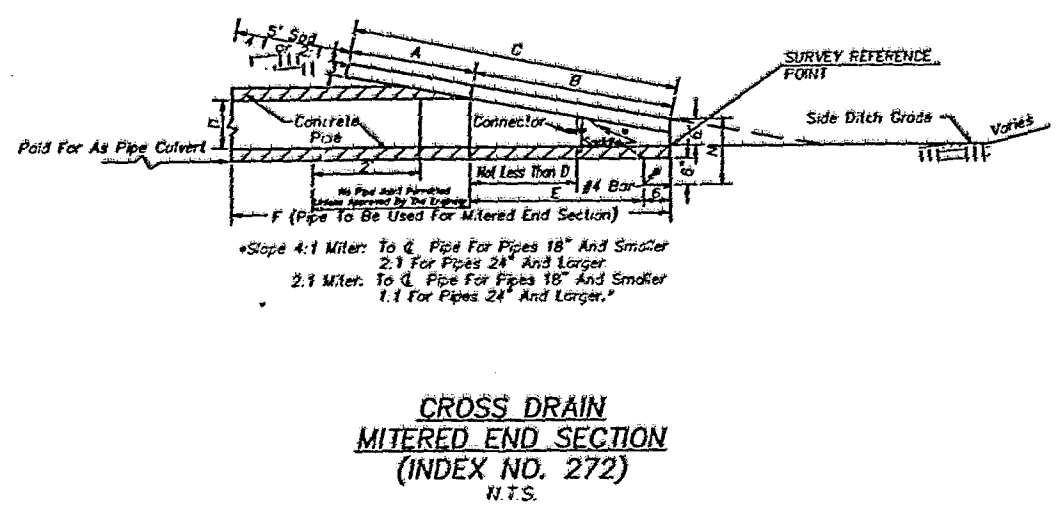
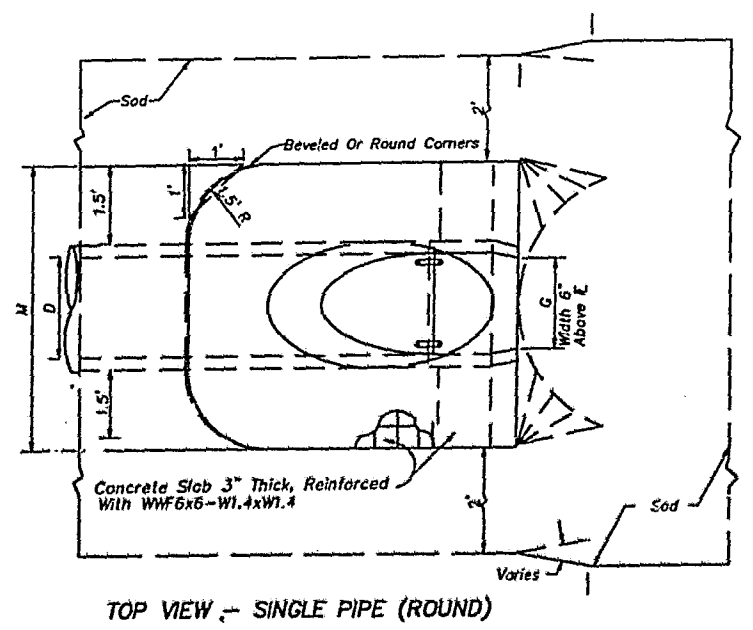
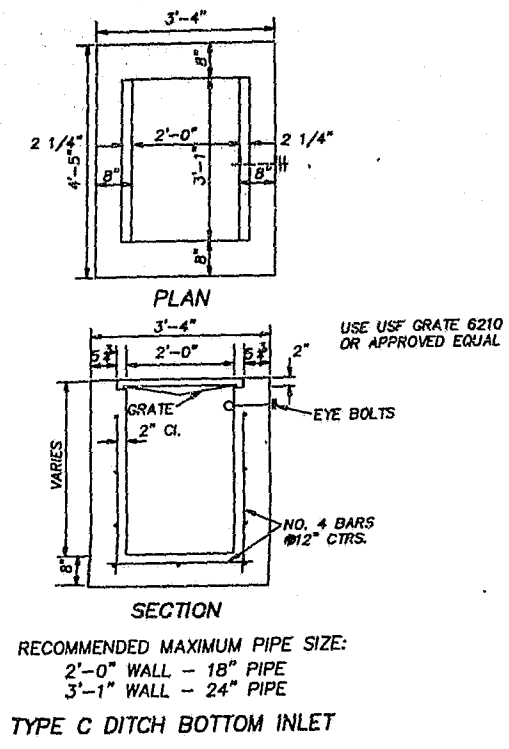
**BACKFILL - PAVED ROADS**



NOTE: 1) CONCRETE ENCASEMENT IS TO EXTEND A MIN. OF 10\"/>

**PIPE CROSSING**

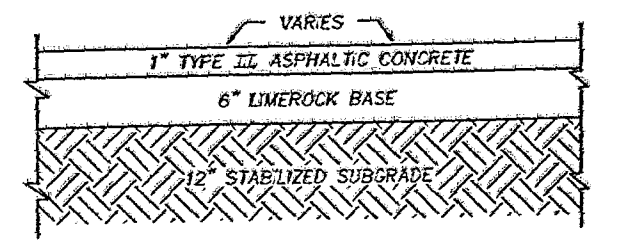
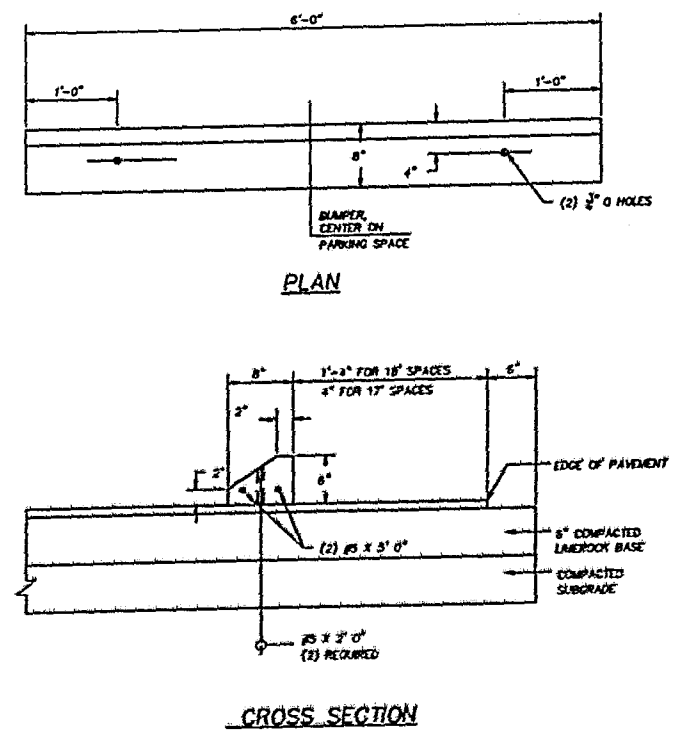
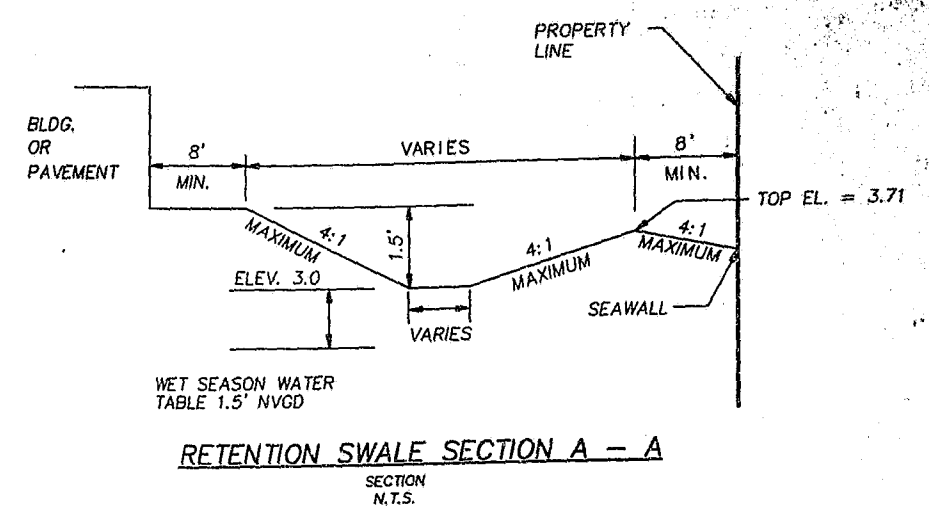
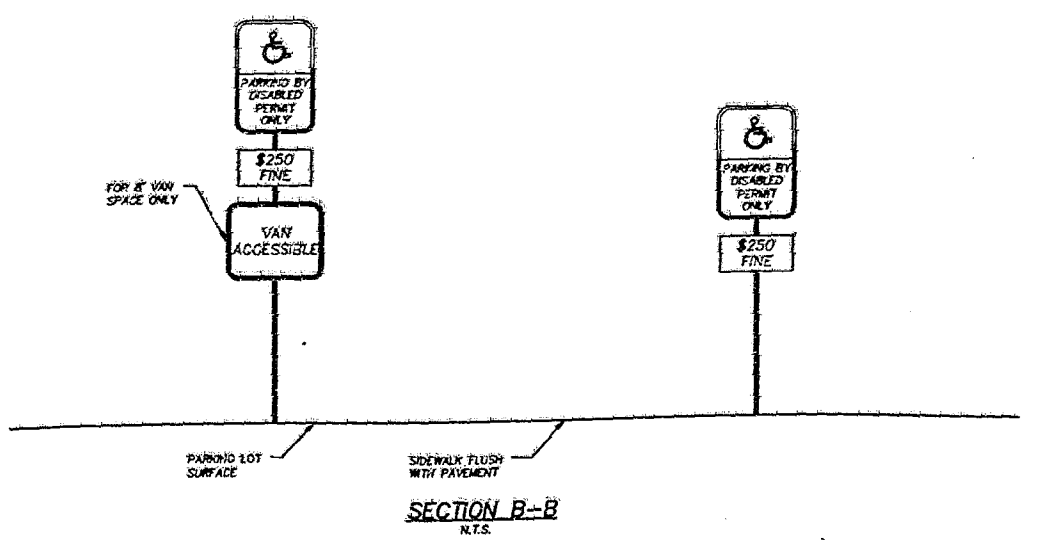
revision:		for: BAYPOINT DEVELOPMENT LTD.		design:
title: BAYPOINT CONDOMINIUMS WATER & SEWER DETAILS		bk: pg: date: SEPT. 25, 1995		drawn:
scale: N.T.S.		limits: project #: 8512		checked:
cogo #: COGO		sheet #: 8 of 11		acad #: 8308-01
JAN 10 1995 approved:		GNOLI & BRUNDAGE, INC. Professional engineers, planners, & land surveyors Main Office: 7400 tamiami trail, n. naples, florida 33965 (813) 597-3111 Lee County: 2077 bayside parkway, fort myers, florida 33901 (813) 337-3111 Fax: (813) 556-2202		file #: 6003



DIMENSIONS & QUANTITIES

	D	X	A	B	C	E	F	G	H	N
2:1 Slope	15'	2'-7"	1.92'	2.18'	4.10'	2.08'	5'	1.22'	4.63'	1.19'
	18'	2'-10"	1.97'	2.74'	4.71'	2.58'	6'	1.41'	4.92'	1.21'
	24'	3'-5"	2.06'	3.85'	5.91'	3.56'	7'	1.73'	5.50'	1.25'
	30'	4'-3"	2.15'	4.85'	7.10'	4.56'	8'	2.00'	6.08'	1.29'
	36'	5'-1"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	6.67'	1.33'
	42'	6'-0"	2.34'	7.21'	9.55'	6.56'	10'	2.45'	7.25'	1.38'
	48'	6'-9"	2.43'	8.33'	10.76'	7.56'	11'	2.65'	7.83'	1.42'
4:1 Slope	15'	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.63'	1.19'
	18'	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.92'	1.21'
	24'	3'-5"	2.53'	7.18'	9.71'	7.03'	11'	1.73'	5.50'	1.25'
	30'	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'	1.29'
	36'	5'-1"	2.87'	11.31'	14.18'	11.03'	15'	2.24'	6.67'	1.33'
	42'	6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	7.25'	1.38'
	48'	6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	7.83'	1.42'

DIMENSIONS & QUANTITIES										SLOPE (ft. Yds.)				SLOPE (ft. Yds.)						
	D	X	A	B	C	E	F	G	SLOPE (ft. Yds.)				SLOPE (ft. Yds.)							
									Single	Double	Triple	Quad.	Single	Double	Triple	Quad.				
2:1 Slope	15'	2'-7"	1.92'	2.18'	4.10'	2.08'	5'	1.22'	4.63'	7.21'	9.79'	12.37'	1.19'	0.31'	0.40'	0.75'	22	26	31	35
	18'	2'-10"	1.97'	2.74'	4.71'	2.58'	6'	1.41'	4.92'	7.75'	10.58'	13.42'	1.21'	0.39'	0.58'	0.79'	23	28	32	36
	24'	3'-5"	2.06'	3.85'	5.91'	3.56'	7'	1.73'	5.50'	8.92'	12.33'	15.75'	1.25'	0.59'	0.79'	1.00'	26	29	32	35
	30'	4'-3"	2.15'	4.95'	7.10'	4.58'	8'	2.00'	6.08'	10.33'	14.58'	18.83'	1.29'	0.76'	1.04'	1.33'	28	31	34	39
	36'	5'-1"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	6.67'	11.75'	16.83'	21.92'	1.33'	0.85'	1.15'	1.66'	30	33	37	43
	42'	6'-0"	2.34'	7.21'	9.55'	6.56'	10'	2.45'	7.25'	13.25'	19.25'	25.25'	1.38'	0.98'	1.28'	1.77'	32	35	39	45
4:1 Slope	15'	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.63'	7.21'	9.79'	12.37'	1.19'	0.47'	0.69'	1.00'	23	26	29	32
	18'	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.92'	7.75'	10.58'	13.42'	1.21'	0.69'	0.91'	1.18'	25	28	31	35
	24'	3'-5"	2.53'	7.18'	9.71'	7.03'	11'	1.73'	5.50'	8.92'	12.33'	15.75'	1.25'	0.82'	1.21'	1.52'	28	32	35	41
	30'	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'	10.33'	14.58'	18.83'	1.29'	0.76'	1.28'	1.65'	30	34	37	43
	36'	5'-1"	2.87'	11.31'	14.18'	11.03'	15'	2.24'	6.67'	11.75'	16.83'	21.92'	1.33'	0.82'	1.27'	1.74'	32	36	40	46
	42'	6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	7.25'	13.25'	19.25'	25.25'	1.38'	1.05'	1.42'	2.05'	34	38	42	51



revision:

for: BAYPOINT DEVELOPMENT LTD.

title: BAYPOINT CONDOMINIUMS  
PAVING, GRADING AND  
DRAINAGE DETAILS

design: JAG

drawn: WAS

checked: MRP

accd #: 8003-D2

view: LIMITS

project #: 6512

sheet #: 9 of 11

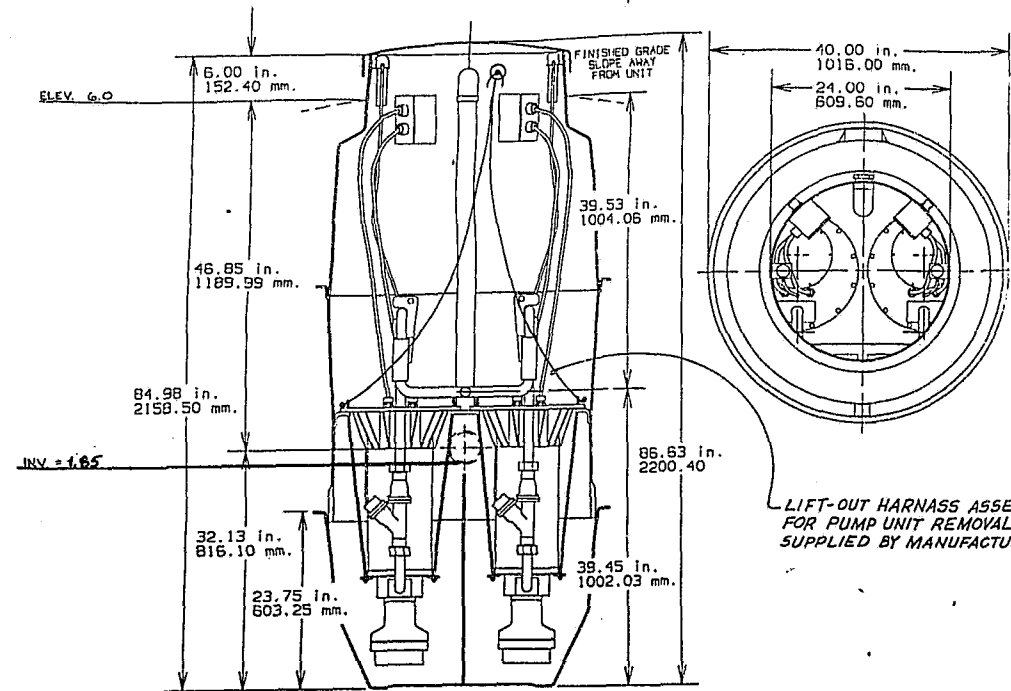
file #: 5003

Professional engineers, planners, & land surveyors  
Main Office: 7400 Tamiami Trail N., Naples, FL 33963 (813) 987-3111  
Lee County: 8191 College Pkwy., Suite 205, Ft. Myers, FL 33919 (813) 337-3111  
Fax: (813) 566-2202



# MODEL 214 - 87

FOR OUTDOOR INSTALLATION



LIFT-OUT HARNESS ASSEMBLY FOR PUMP UNIT REMOVAL AS SUPPLIED BY MANUFACTURER

NOTE: A CONCRETE JACKET OF 6" MIN. THICKNESS IS REQUIRED TO PREVENT TANK FROM FLOATING. (DETAILS AVAILABLE)

## INDOOR, ON FLOOR INSTALLATION

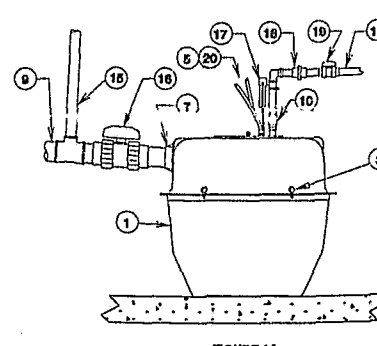


FIGURE 1A

## INDOOR, IN FLOOR INSTALLATION

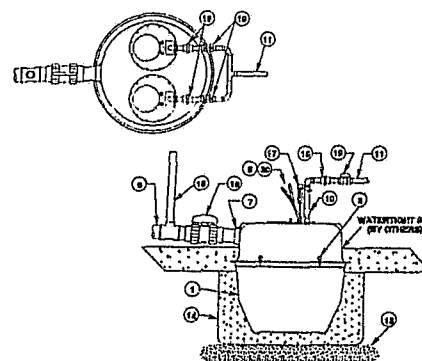


FIGURE 1B

## OUTDOOR INSTALLATION

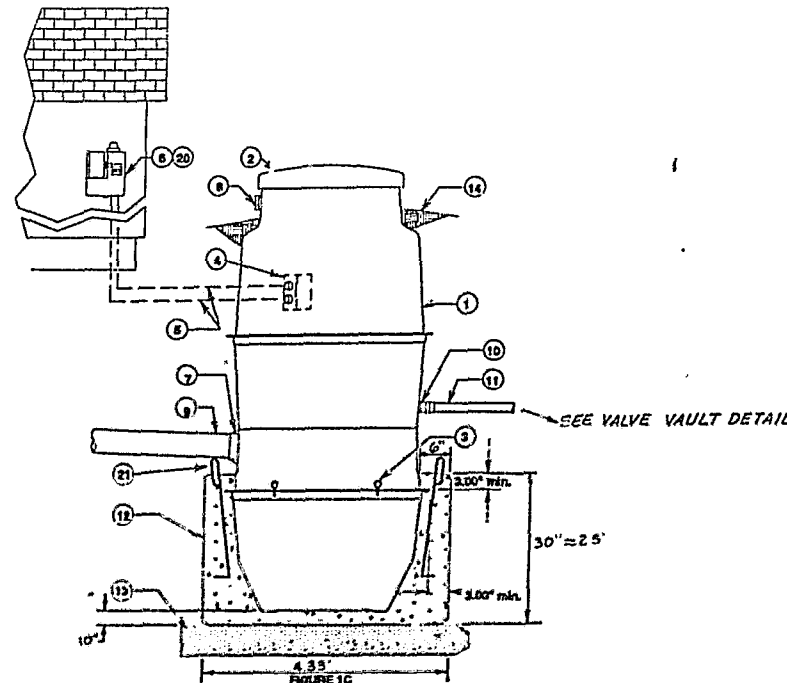
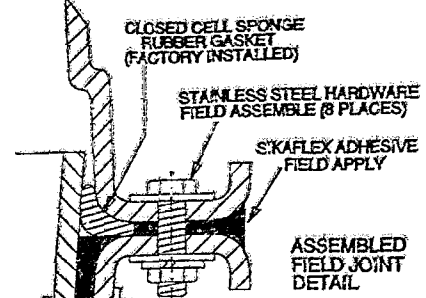
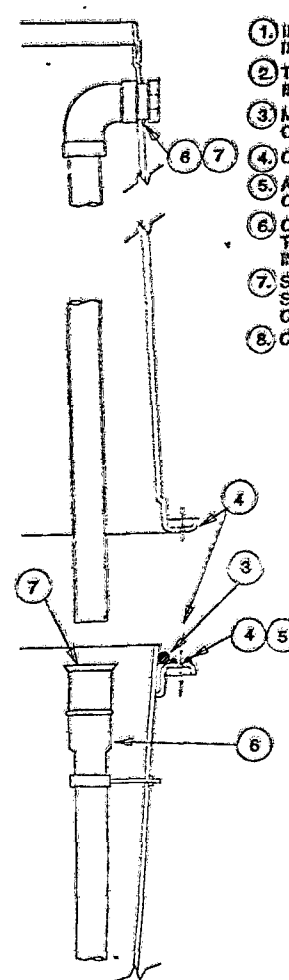


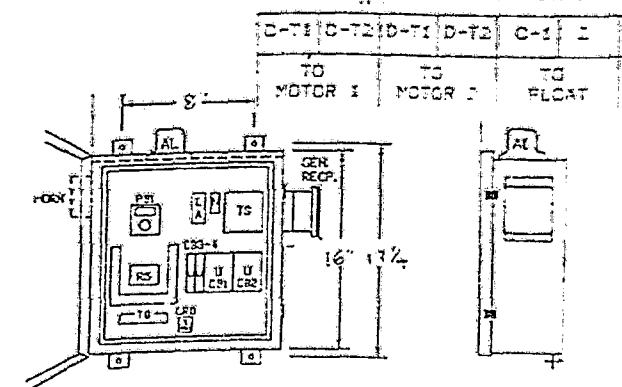
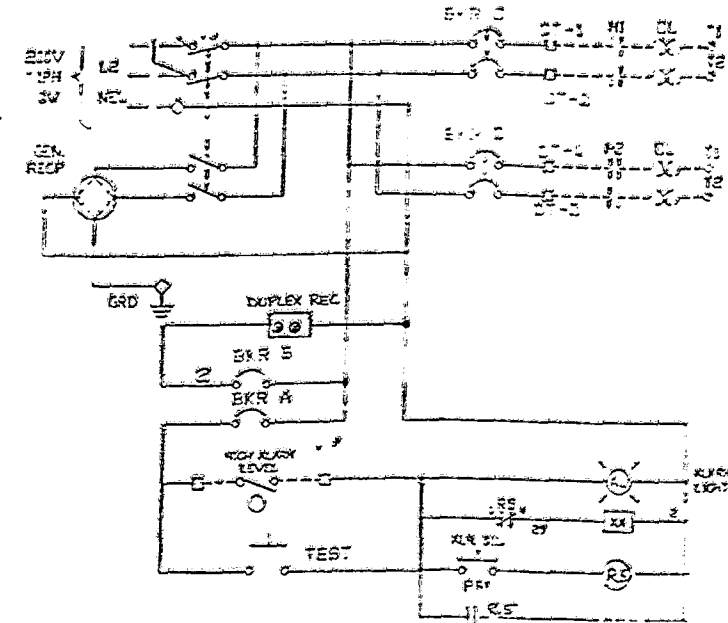
FIGURE 1C

## FIELD JOINT ASSEMBLY PROCEDURE:

1. INSTALL THE LOWER PORTION OF THE UNIT IN THE GROUND PER THE INSTALLATION INSTRUCTIONS.
2. THE CONCRETE ANCHOR, INLET AND DISCHARGE PIPING MAY BE INSTALLED AND THE UNIT MAY BE PARTIALLY BACKFILLED.
3. MAKE SURE THE RUBBER GASKET IS PROPERLY LOCATED. IT SHOULD SIT ON THE LOWER ASSEMBLY FLANGE AND ENCLOSE THE ENTIRE TANK.
4. CLEAN DIRT AND DEBRIS FROM MATING FLANGE SURFACES.
5. APPLY TWO BEADS OF ADHESIVE ON THE LOWER ASSEMBLY FLANGE. PUT ONE BEAD ON EACH SIDE OF THE FLANGE JOINT.
6. CAREFULLY PLACE UPPER ASSEMBLY ON THE LOWER ASSEMBLY. MAKE SURE THE VENT PIPE IN THE LOWER ASSEMBLY ALIGNS WITH THE VENT HOLE IN THE UPPER ASSEMBLY. BOLT IN PLACE AS SHOWN (8 PLACES).
7. SLIDE THE UPPER VENT ASSEMBLY INTO THE LOWER VENT ASSEMBLY. SLIDE VENT OPENING THROUGH GROMMET IN ACCESSWAY WALL AND SCREW ON SCREEN OR VENT EXTENSION.
8. COMPLETE INSTALLATION PER INSTRUCTIONS.



INSTALLATION INSTRUCTION FOR ACCESSWAY FIELD JOINT REF. PA 0982 P01

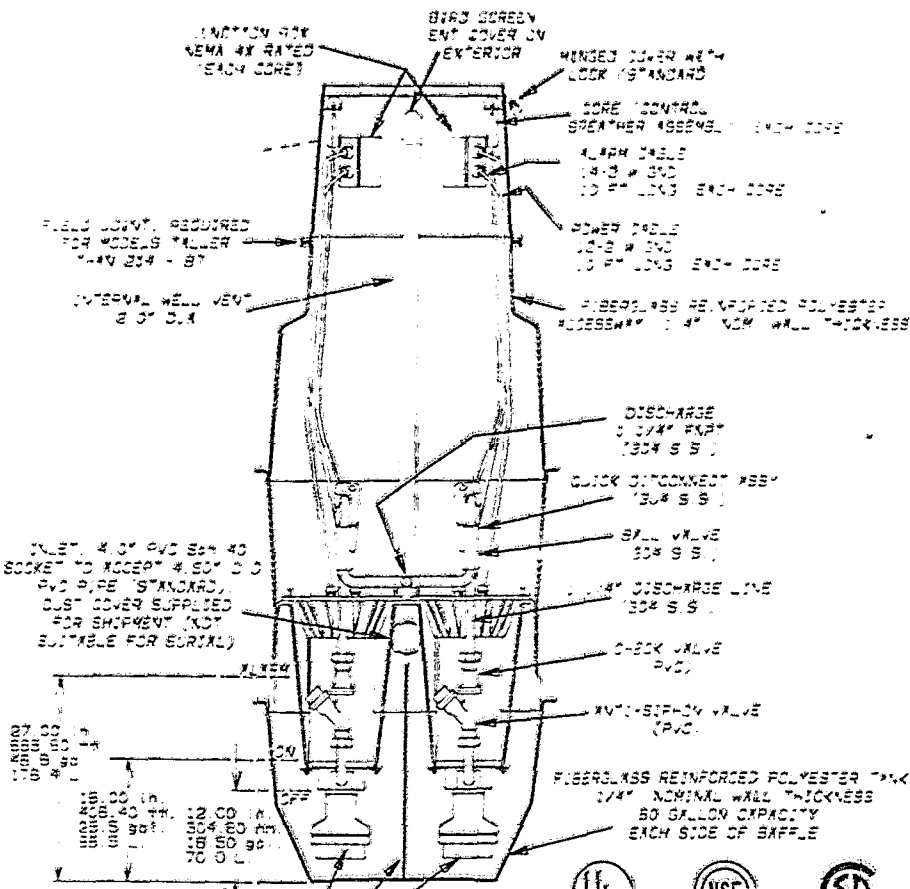


1. ENVIRONMENT ONE GRINDER PUMP BASIN - Fiberglass Reinforced Polyester (FRP).
2. ACCESSWAY COVER - FRP (furnished with padlock).
3. LIFTING EYES - For lifting complete grinder pump. Do not use if ballast is attached.
4. ELECTRICAL JUNCTION BOX - Leads from pump core terminate here. Wiring from junction box to disconnect panel by others (Item 16).
5. POWER AND ALARM LEADS - Circuits to be installed in accordance with local codes.
6. DISCONNECT PANEL - Rainproof (Nema 3R) enclosure. Equipped with circuit breakers or disconnect switch. Locate according to local codes.
7. INLET - 4" PVC Socket (4.5" ID). For solvent cementing DWV pipe.
8. WET WELL VENT - 2.0" tank vent, supplied by factory in units with accessways.
9. GRAVITY SERVICE LINE - 6" DWV, 6.5" OD. Supplied by others.
10. DISCHARGE OUTLET - 1 1/4" female pipe thread.
11. DISCHARGE LINE - 1 1/4" nominal pipe size. Supplied by others.
12. CONCRETE ANCHOR - Reference "CHART A" for correct ballast weight. Supplied by others.
13. BEDDING MATERIAL - 6" minimum deep, rounded aggregate (per gravel). Supplied by others.
14. FINISHED GRADE - Grade line to be 6" below the top, and slope away from accessway.
15. VENT - Indoor installation, see requirements in this manual. Visual devices should be placed in very conspicuous locations, for use during service operations. Supplied by others.
16. DREATHER ASSEMBLY - Supplied by others.
17. UNION - 1 1/4" or compression type coupling.
18. VALVE - Ball or gate valve, must provide a full-port 1 1/4" round passage when open. By others.
19. VALVE - Ball or gate valve, must provide a full-port 1 1/4" round passage when open. By others.
20. ALARM DEVICE - Every installation is to have an alarm device to alert the homeowner of a potential malfunction. Visual devices should be placed in very conspicuous locations.
21. REHAIR - Required to lift tank after ballast has been attached (4 places, evenly spaced around tank).

## CHART A

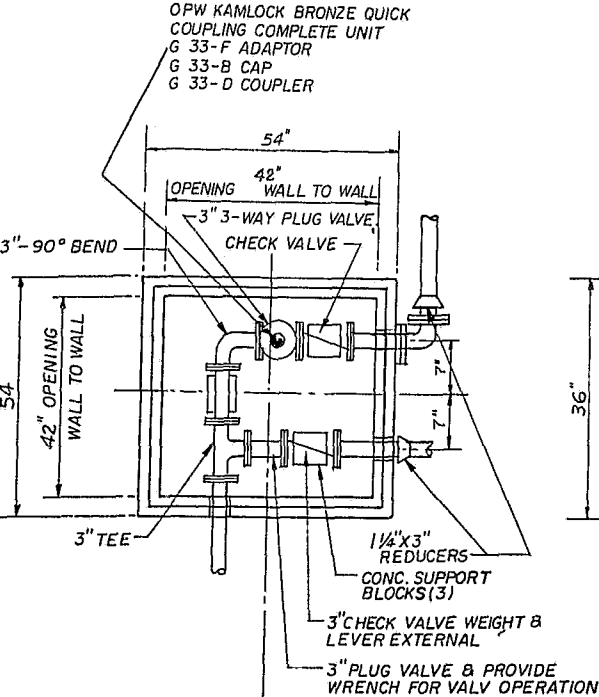
MODEL	WEIGHT (lbs)	CUBIC FEET *
214-37	1500 - 1800	10.0 - 12.0
214-87	4050 - 4800	27.0 - 32.0
214-105	4500 - 5250	30.0 - 35.0
214-124	4950 - 5700	33.0 - 38.0
214-140	5400 - 6150	36.0 - 41.0
214-155	6000 - 7350	44.0 - 49.0

\* assumes 150 lbs per cubic foot of concrete.



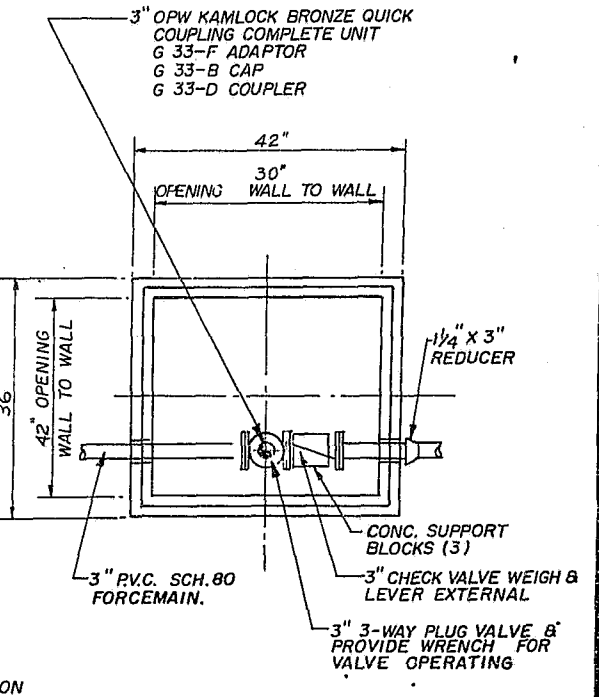
SEMI-POSITIVE DISPLACEMENT TYPE PUMPS EACH DIRECTLY DRIVEN BY A 1 HP MOTOR CAPABLE OF DELIVERING 8 gpm AT 158' T.D.H. (30' per ft. 42" T.D.H.)

environmental  
CORPORATION  
MODEL 214  
DETAIL SHEET  
PA 0910 P01



VALVE VAULT FOR BUILDING "A"

N.T.S.



VALVE VAULT FOR BUILDING "B"

N.T.S.

GENERAL DIMENSIONS		DOUBLE BALL		SINGLE BALL	
SIZE	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
3	1500	1500	1500	1500	1500
4	1800	1800	1800	1800	1800
6	4050	4050	4050	4050	4050
8	4500	4500	4500	4500	4500
10	4950	4950	4950	4950	4950
12	5400	5400	5400	5400	5400
14	6000	6000	6000	6000	6000
16	6150	6150	6150	6150	6150
18	7350	7350	7350	7350	7350
20	7350	7350	7350	7350	7350
22	7350	7350	7350	7350	7350
24	7350	7350	7350	7350	7350
26	7350	7350	7350	7350	7350
28	7350	7350	7350	7350	7350
30	7350	7350	7350	7350	7350

GENERAL DIMENSIONS		DOUBLE BALL		SINGLE BALL	
SIZE	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
3	1500	1500	1500	1500	1500
4	1800	1800	1800	1800	1800
6	4050	4050	4050	4050	4050
8	4500	4500	4500	4500	4500
10	4950	4950	4950	4950	4950
12	5400	5400	5400	5400	5400
14	6000	6000	6000	6000	6000
16	6150	6150	6150	6150	6150
18	7350	7350	7350	7350	7350
20	7350	7350	7350	7350	7350
22	7350	7350	7350	7350	7350
24	7350	7350	7350	7350	7350
26	7350	7350	7350	7350	7350
28	7350	7350	7350	7350	7350
30	7350	7350	7350	7350	7350

CONNECTIONS - V. WEIGHTS ARE ESTIMATES. ALWAYS CHECK PLANS FOR FACTORY.

\*WEIGHTS, OTHER THAN SPECIFIED, ARE BASED ON THE FOLLOWING ASSUMPTIONS: 150 LB PER CU FT OF CONCRETE.

FOR SPECIAL CONFIGURATIONS AND UNITS LARGER THAN 30 INCHES CONTACT YOUR EBA REPRESENTATIVE OR CONTACT EBA ENGINEERING AT 800-633-9190

BAYPOINT DEVELOPMENT LTD.  
BAYPOINT CONDOMINIUMS  
GRINDER STATION DETAILS  
AGNOLI  
BARBER &  
BRUNDAGE, INC.  
Professional Engineer, Planner, & Land Surveyor  
Main Office: 73 Tamiami Trail, Suite 3400, Ft. Myers, Florida 33901  
Lee County: 77 Tavine Parkway, Fort Myers, Florida 33911  
Fax: (813) 536-2233

10-8-93  
N.T.S.  
6512  
10-11  
500.

# BAYPOINT CONDOMINIUMS

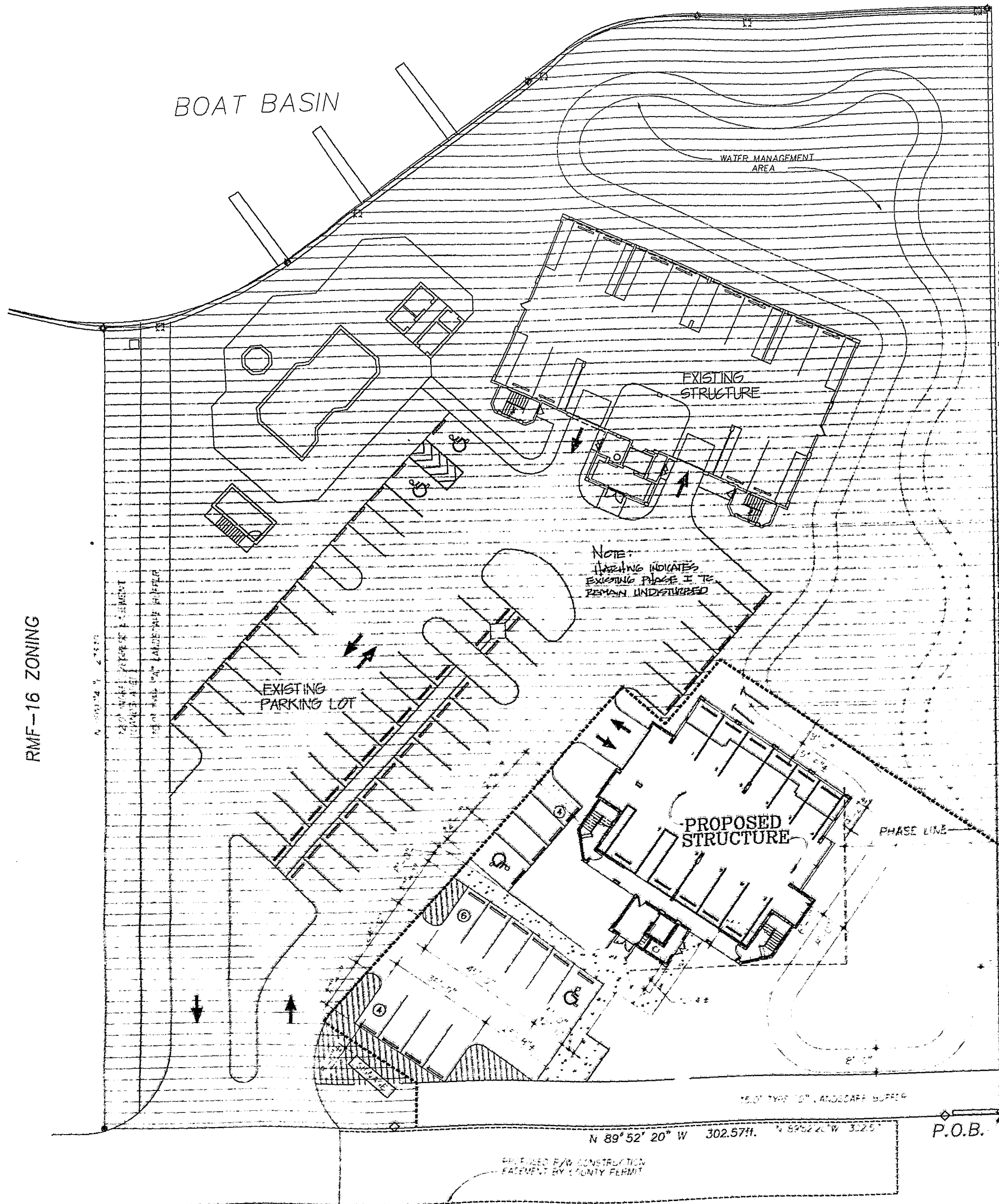
## *Phase II*

*NAPLES, FLORIDA*

ARCHITECT : DAVID HUMPHREY AND ASSOCIATES AIA

STRUCTURAL ENGINEER : JENKINS AND CHARLAND, INC.

MECHANICAL ENGINEER : ISENHOFF ENGINEERING , INC.



# BUILDING DATA (FIRE PROTECTION PER SBC)

A. BUILDING CLASSIFICATION:		Residential
B. TYPE OF CONSTRUCTION:		TYPE II, sprinklered
C. BUILDING INFORMATION (per SBC Table 400):		
Building Height	Permitted	Proposed
	unlimited	30'-0" (Mean Mt. of highest roof)
Area (Multi-story)	unlimited	74'-4" (Roof deck)
Area (One story only)	unlimited	36,456 s.f.
Number of Stories	unlimited	5,008 s.f. (18,468 s.f. typ)
Area Increase per 400's	permitted	7 over parking
		Non requested
D. FIRE PROTECTION (Per SBC Table 600)		
Component	Required	Proposed
Party and Fire Wall	4	NA
Interior Bearing	3	3
Interior Non-Bearing	2	(Except Fire Partitions- see below)
Columns	3	2
Beams, Girders, Trusses	2	2
Floor/Ceiling	2	2
Exterior Bearing Walls	3	3
Exterior Non-Bearing	NC	NC
E. FIRE RESISTANT PARTITIONS (SBC Table 700)		
Component	Required	Design #
Vertical Shafts	2	UL no. U305
Occupancy Separations	NA	3/4 C
Tenant Separations	UL no. U495	3/4 C
Exit Access Corridors	per SBC Table 3103.1	20 min
Refuse Chute Access Room	"	1 1/2 B
Refuse Chute and Vault	"	3/4 C

## LEGAL DESCRIPTION

A portion of Tract "A" BAKER - CARROLL POINT, more particularly described as follows:

Beginning at the Southeast corner of Tract A, Baker - Carroll Point, as recorded in Plat Book 8, Page 42, Public Records of Collier County, Florida, run N 89d 52' 20" W along the South line of Tract A, being also the North Right-of-Way line of State Road S-846, for 302.57 feet, thence run N 00d 07' 40" E for 273.10 feet to a point on the property and waterway line, thence run 6455 feet along the arc of a curve concave to the Northwest, having a radius of 10000 feet, and subtended by a chord having a bearing N 71d 25' 00" E, and a length of 6572 feet to a point of curvature, thence N 82d 58' 20" E for 10044 feet to a point of curvature, thence run 6422 feet along the arc of a curve concave to the Southeast having a radius of 10000 feet, and subtended by a chord having a bearing N 71d 25' 00" E, and a length of 6512 feet to a point of tangency, thence N 89d 46' 00" E for 10000 feet, the last 4 courses being along the waterway line, thence S 00d 14' 00" E the property line for 375.00 feet to the Point of Beginning.

## SITE PLAN

SCALE 1" = 20'-0"

### GENERAL NOTES

1. REFER TO CIVIL DRAWINGS PREPARED BY AERIAL, BARBER AND BRUNDAE, INC. FOR SITE LAYOUT DETAILS, DRIVEWAYS, TPO, AND OTHER PERTINENT SITE INFORMATION.
2. ALSO REFER TO CIVIL DRAWINGS FOR PROJECT DATA (PARKING, WATER RETENTION, ETC.) INCLUDING SETBACK CALCULATIONS, REQUIRED EASEMENTS, LANDSCAPE BUFFERS, ETC.
3. SO SHALL SETUP A SEPARATE ENTRANCE FROM THE MAIN DRIVE AND PATCH AND REPAIR ANY PORTION OF THE EXISTING SITE DAMAGED BY THE CONSTRUCTION OF THIS PROJECT.

### LEGEND

- SIDEWALK
- INTERIOR LANDSCAPED AREA
- LANDSCAPE BUFFER
- PHASE BOUNDARY
- EXISTING PHASE I

## DRAWING INDEX

A-1	SITE PLAN
A-2	UNIT "A" PLAN & SCHEDULES
A-3	1/8" SCALE P.L.G. PLANS
A-4	1/8" SCALE P.L.G. PLANS
A-5	1/8" SCALE P.L.G. PLANS
A-6	THIRD LEVEL
A-7	ROOF PLANS
A-8	ELEVATIONS & INTERIOR ELEVATIONS
A-9	BUILDING SECTION A
A-10	DETAILS
A-11	BUILDING SECTIONS B & C
A-12	WALL SECTIONS
S-1	STRUCTURAL NOTES & SCHEDULES
S-2	FOUNDATION PLAN
S-3	GROUND FLOOR FRAMING PLAN
S-4	2ND FLR FRAMING PLAN & STAIR SECTION
S-5	TYP. FLR FRAMING PLAN
S-6	DETAILS
S-7	ROOF FRAMING PLAN
S-8	SHEARWALL SCHEDULE
S-9	FILE CAP DETAILS
S-10	SECTIONS AND DETAILS
ME-1	SITE PLAN
ME-2	PVE SYSTEMS LAYOUT- ROOF
ME-3	FIRE PROTECTION PENETRATION DETAILS
ME-4	FIRE PROTECTION PENETRATION DETAILS
FP-1	SPRINKLER LAYOUT- GRADE LEVEL
FP-2	SPRINKLER LAYOUT- 2ND LEVEL
FP-3	SPRINKLER LAYOUT- 3RD-8TH LEVELS
FP-4	STANDPIPE RISER DIAGRAM
P-1	PLUMBING SYSTEMS LAYOUT- BELOW GRADE
P-2	PLUMBING SYSTEMS LAYOUT- 2ND LEVEL
P-3	PLUMBING SYSTEMS LAYOUT- 3RD-8TH LVLS
P-4	DOMESTIC PUMP/ WATER DIST. RISER DIAGRAM
P-5	SANITARY WASTE AND VENT RISERS
P-6	PLUMBING DETAILS & NOTES
M-1	HVAC SYSTEMS LAYOUT- GRADE LEVEL
M-2	HVAC SYSTEM LAYOUT- 2ND THRU 8TH LEVEL
M-3	HVAC SYSTEM DETAILS AND NOTES
E-1	ELECT. SYST. LAYOUT- GRADE LEVEL
E-2	ELECT. SYST. LAYOUT- 2ND LEVEL
E-3	ELECT. SYST. LAYOUT- 3RD-8TH LEVELS
E-4	ELECT. SYST. SINGLE LINE RISER DIAGRAM
E-5	ELECT. PANELS, SCHEDULES AND NOTES
E-6	FIRE ALARM SYSTEM RISER DIAGRAM
E-7	TELEPHONE SYST. DISTRIBUTION RISER DIAGRAM
E-8	CABLE TV SYST. DISTRIBUTION RISER DIAGRAM
E-9	EMERGENCY/ EXIT/ BALCONY LIGHTING RISER DIAGRAM
E-10	LIGHTNING PROTECTION SYSTEM LAYOUT

DAVID HUMPHREY & ASSOCIATES AIA ARCHITECTS



801 LAUREL OAK DRIVE SUITE 615 NAPLES, FLORIDA 33953 (813) 550-3100

BAYPOINT CONDOMINIUMS PHASE II NAPLES, FLORIDA

SITE PLAN

A-1

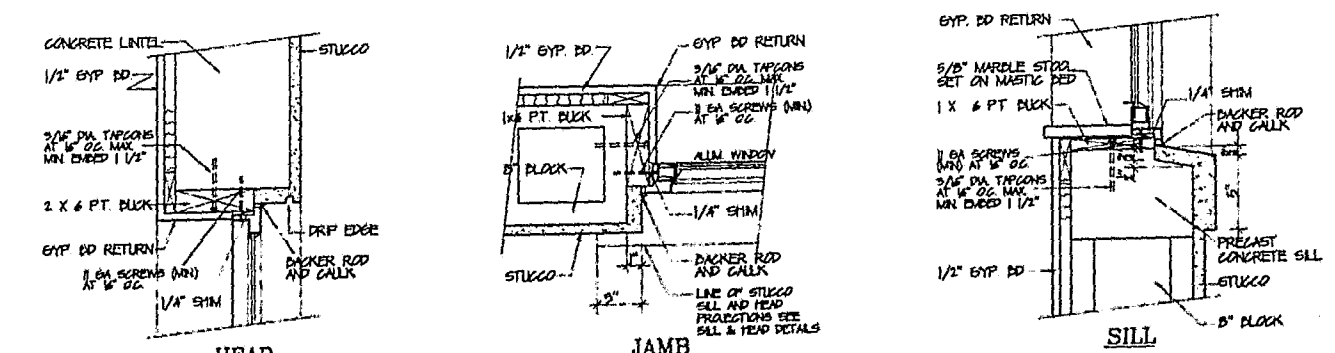
MAR 29 1994



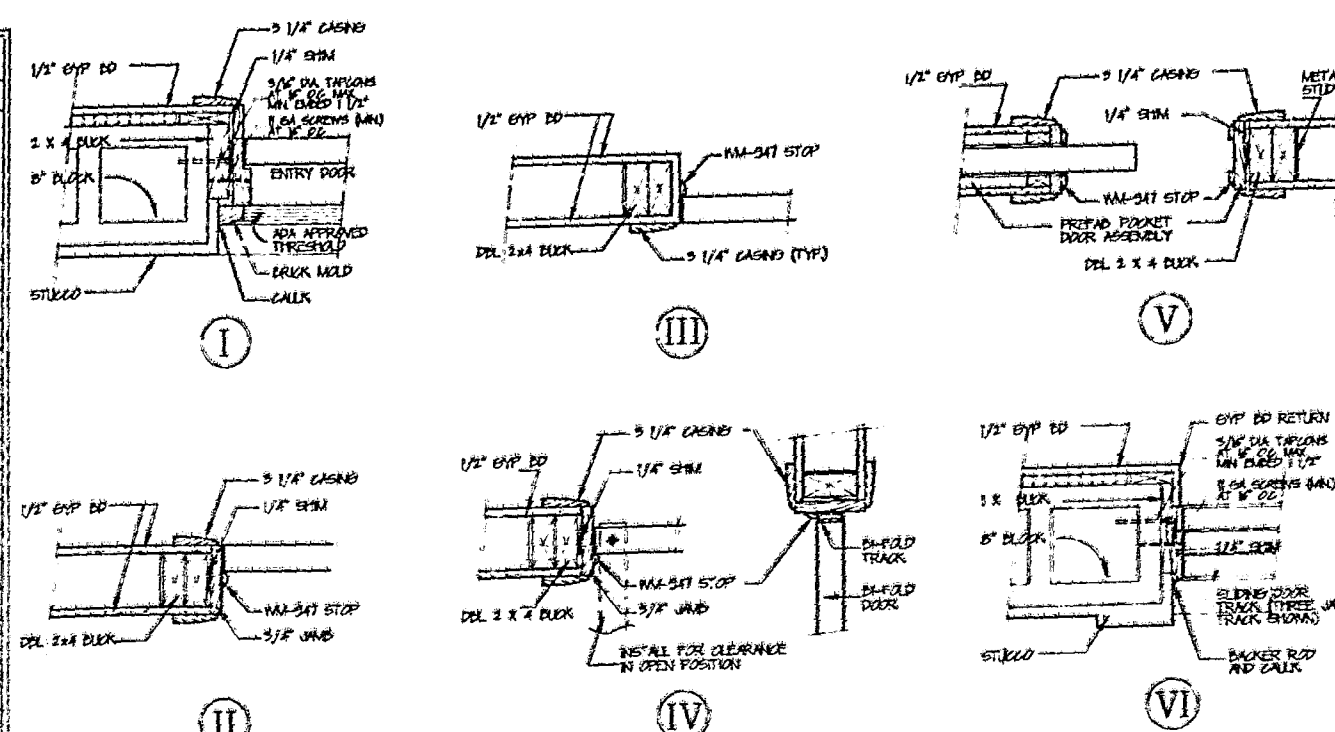
ROOM FINISH SCHEDULE																
RNO.	ROOM NAME	FLOORS		PAGE	WALLS		CEILING	CLS. FST.	REMARKS							
		1	2		1	2				1	2	3	4	5	6	7
100	FOYER															
101	HALL															
102	BEDROOM															
103	CLOSET															
104	A/C CLOSET															
105	KITCHEN															
106	NOOK															
107	DINING ROOM															
108	LIVING ROOM															
109	VESTIBULE															
110	MASTER SUITE															
111	WALK-IN															
112	MASTER BATH															
113	LINEIN CLOSET															
114	LAUNDRY															
115	BATHROOM															
116	BEDROOM															
117	CLOSET															

- ROOM FINISH SCHEDULE NOTES
1. PROVIDE 1x3 PT. FLOORING AT 16" OC. AT ALL CMU BLOCK LOCATIONS TO RECEIVE 1/2" GYPSUM BOARD. INSTALL 1" INSULATING PATTS. BETWEEN FLOORING STRIPS.
  2. PROVIDE 3/4" ACoustical INELL. IN ALL BATHROOM, KITCHEN AND LAUNDRY WALLS.
  3. PROVIDE 1/2" DURALOCK CEMENT BOARD IN LIEU OF 1/2" GYPSUM BOARD AT WALL LOCATIONS TO RECEIVE CERAMIC TILE. SEE INT. ELEVNS.
  4. GYPSUM BOARD EQUAL TO "CAL-CORE" BOARD WITH UNI-CAL VENEER PLASTER MIX. HARDWARE APPLICATION IN TEXTURES AS DESIGNATED ABOVE.
  5. CEILING HEIGHT AT HIGHEST CEILING OF ROOM. SEE INTERIOR ELEVATIONS FOR ADDTL. INFORMATION ON LIGHT COVES, CEILING COVES, SOFFITS, ETC.
  6. REFER TO INTERIOR ELEVATIONS FOR WALL AREAS TO RECEIVE ADDITIONAL WOOD BLOCKING BETWEEN STUDS TO ALLOW LATER INSTALLATION OF HANDICAP GRAB BARS IN ACCORDANCE WITH FLORIDA STATUTE 760233 (PORTION OF THE FAIR HOUSING ACT) AND ANSI A117-1.386.

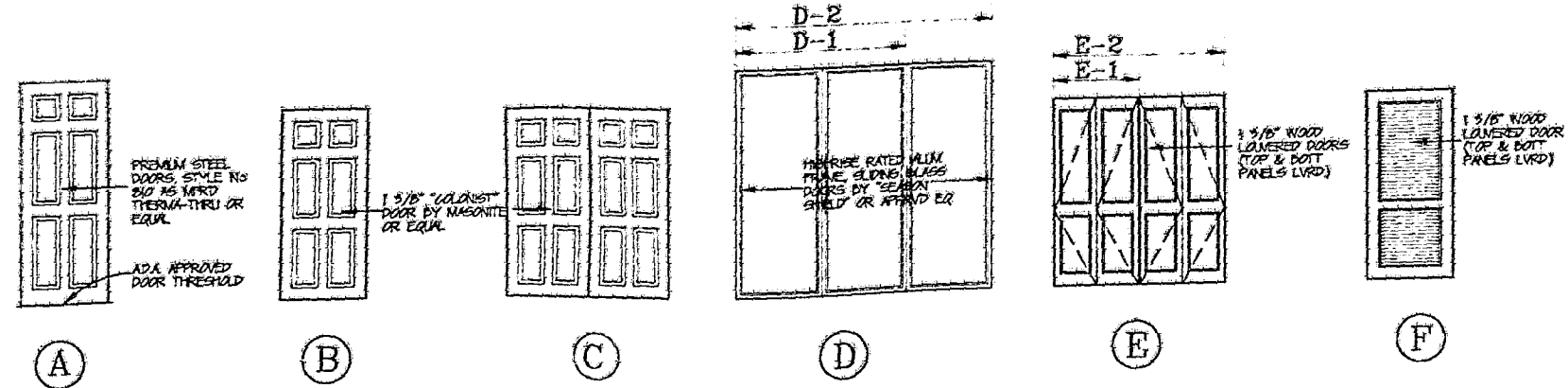
DOOR SCHEDULE									
DOOR NUMBER	DOOR SIZES	DOOR TYPE	DOOR TYPE	DOOR TYPE	DOOR TYPE	DOOR TYPE	DOOR TYPE	DOOR TYPE	REMARKS
1	3'-0" x 7'-0"	A							
2	3'-0" x 7'-0"	D							
3	3'-0" x 7'-0"	E-2							
4	3'-0" x 7'-0"	F							
5	3'-0" x 7'-0"	D-2							
6	3'-0" x 7'-0"	D							
7	3'-0" x 7'-0"	D							
8	3'-0" x 7'-0"	D							
9	3'-0" x 7'-0"	E-1							
10	3'-0" x 7'-0"	D							
11	3'-0" x 7'-0"	D							
12	3'-0" x 7'-0"	D							
13	3'-0" x 7'-0"	D							
14	3'-0" x 7'-0"	E-2							



WINDOW DETAILS



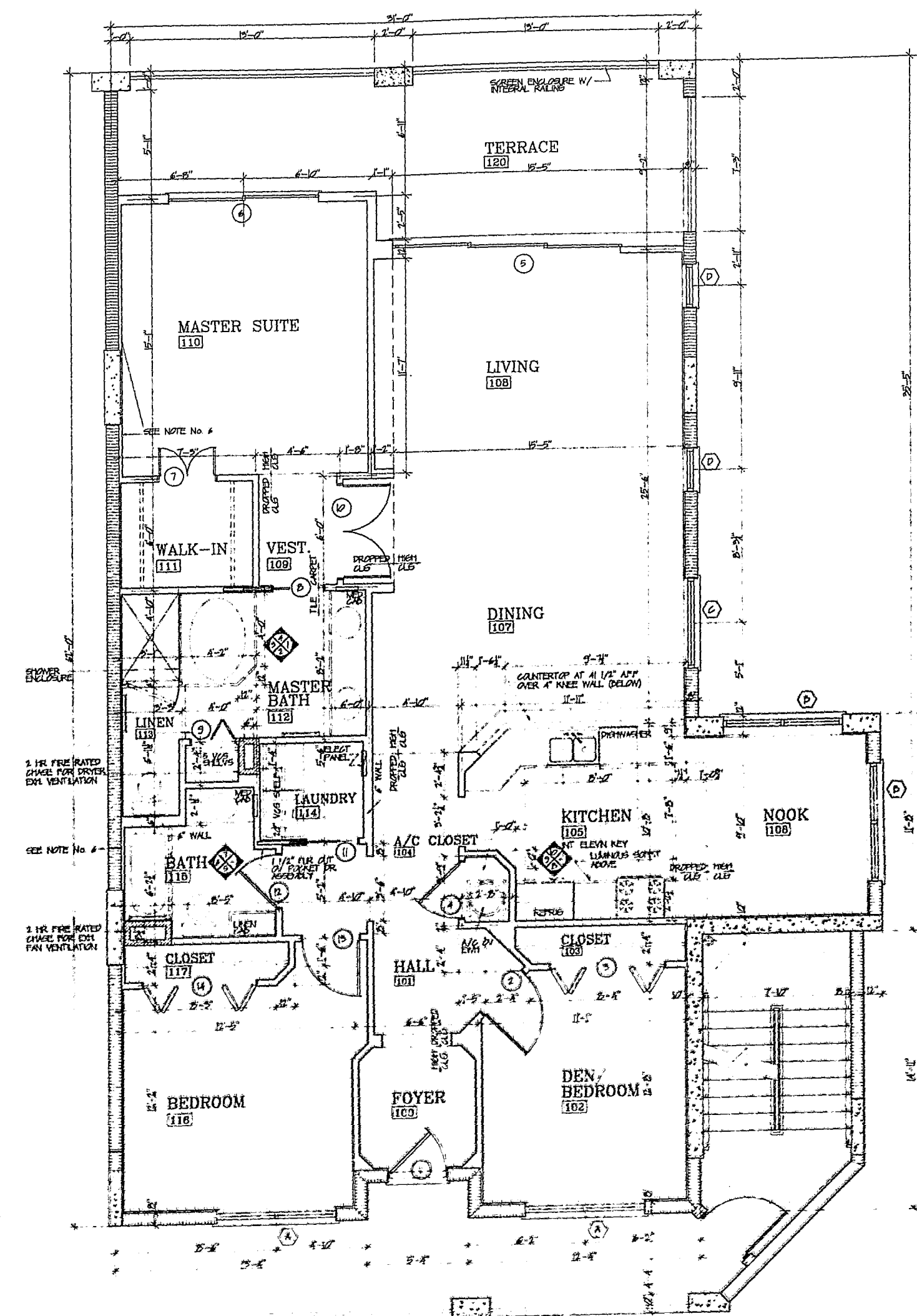
DOOR JAMB TYPES



DOOR TYPES

WINDOW SCHEDULE				
NAME	WINDOW TYPE	MANUFACTURER	DESIGNATION	REMARKS
A	SLIDING GLASS	LAWSON OR EQ.	(3) 24	
B	SINGLE HUNG	LAWSON OR EQ.	(2) 36-24	
C	SINGLE HUNG	LAWSON OR EQ.	31 44	
D	SINGLE HUNG	LAWSON OR EQ.	31 34/2	

- WINDOW SCHEDULE NOTES
1. ALL ALUMINUM WINDOWS SHALL HAVE A WHITE ESP. FINISH.
  2. ALL GLAZING TO BE "LIGHT GREY" TINT. ALL GLAZING ON DOORS OR WINDOWS 10" OR LESS ABOVE FINISHED FLOOR SHALL BE TEMPERED.
  3. WINDOWS SHALL HAVE FACTORY MOUNTING IN PATTERNS AS SHOWN ON ELEVATIONS.



FLOOR PLAN - UNIT "A"  
SCALE: 1/4" = 1'-0"

- PLAN LEGEND
- 1. 5" DIA. INELL. WALL SEE STRUCTURAL DWGS. AND NOTES FOR REQUIRED HORIZONTAL AND VERT. "CAL" REINFORCEMENT.
  - 2. CAST IN PLACE CONCRETE CONSTRUCTION SEE STRUCTURAL DRAWINGS.
  - 3. 1/2" GYPSUM BOARD EACH SIDE OF 5/8" OR 3/4" WHERE CALLED FOR IN PLUMBING, METAL STUD FRAMING WALL W/ STUDS AT 16" OC MAX.
  - 4. SAME AS LAST WITH 5/8" SAND PATTS. B/TWN.
  - 5. 1/2" GYPSUM BOARD EACH SIDE OF 5/8" OR 3/4" WHERE CALLED FOR IN PLUMBING, METAL STUD FRAMING WALL W/ STUDS AT 16" OC MAX.

- GENERAL NOTES
1. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
  2. ALL BATHROOM, KITCHEN AND LAUNDRY WALLS SHALL HAVE 5/8" SAND PATTS. B/TWN. FROM TOP TO BOTTOM.
  3. ALL ANKLED WALLS AS SHOWN HEREON SHALL MEET AT 90 DEGREE ANGLES OR MULTIPLES THEREOF EXCEPT WHERE THEY MEET PERPENDICULARLY TO EACH OTHER. ANKLE DIMENSIONS SHOWN AS NECESSARY TO MAINTAIN SYMMETRY AND/OR ALIGN WALL CORNERS. VERIFY WITH PROJECT.
  4. SEE INTERIOR ELEVATIONS AND BUILDING SECTIONS FOR ADDITIONAL LAYOUT INFORMATION REGARDING SOFFITS, SHELVES, HEAD HEIGHTS, CEILING HEIGHTS, ETC.
  5. CABINET SUBCONTRACTOR SHALL PROVIDE CABINET SHOP DRAWINGS FOR REVIEW AND APPROVAL BY OWNER. COORDINATE DRAWINGS WITH "AS-BUILT" LAYOUT PRIOR TO MANUFACTURING.
  6. FUR. OUT THIS PORTION OF CMU WALL WITH 1 3/8" DIA. CHANNEL TO ALIGN WITH 3/4" FLOORING AT CONCRETE COLUMN.

I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THE PROPOSED STRUCTURE HAS BEEN DESIGNED IN STRICT ACCORDANCE WITH THE PRE-STANDARD BUILDING CODE, 1991 LIFE SAFETY CODE, FLORIDA STATUTE 760233 (FAIR HOUSING ACT) AND ANSI A117-1.386 ACCESSIBILITY STANDARDS.

DAVID M. HUMPHREY  
FLORIDA REG. NO. 5146

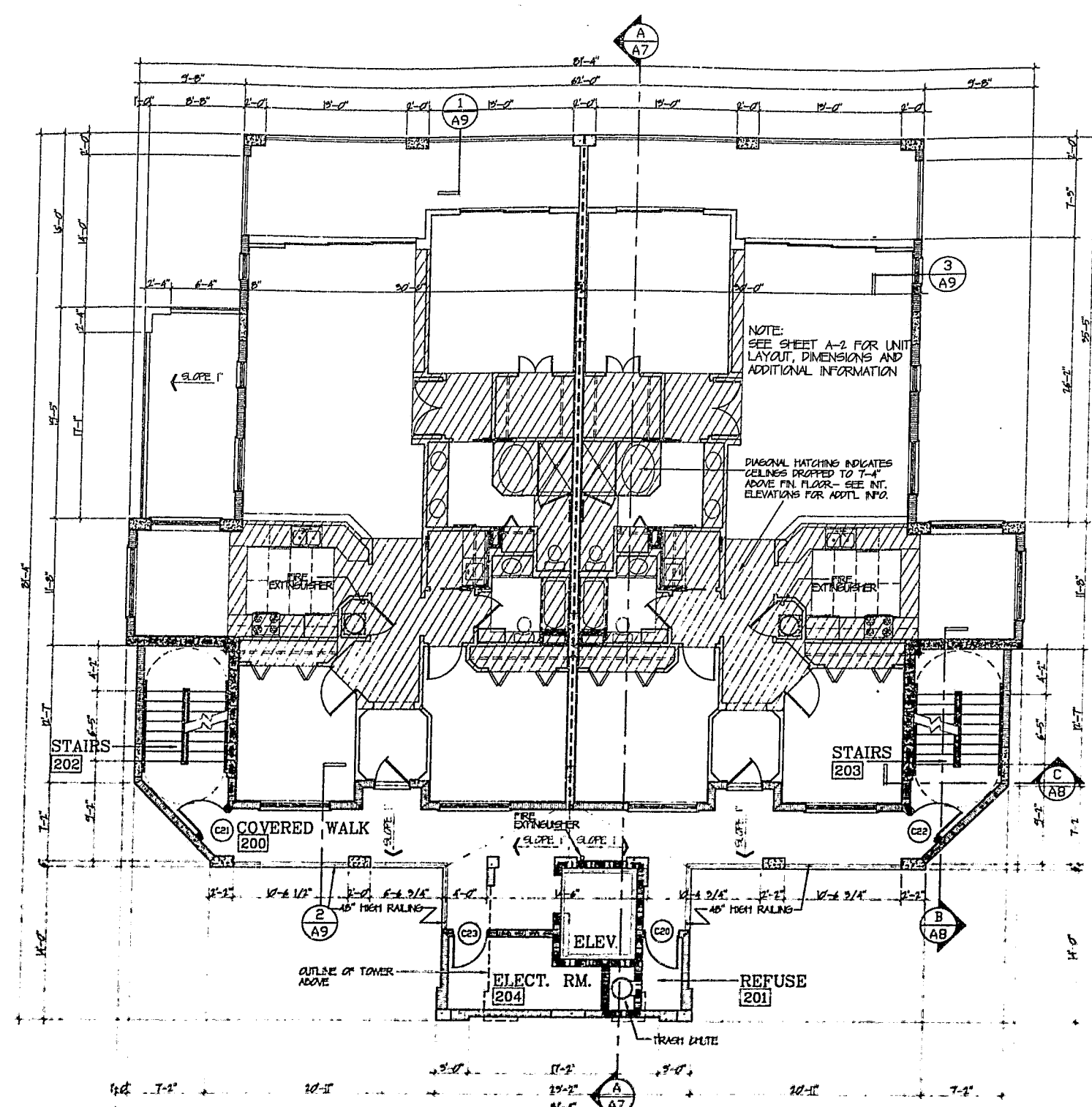
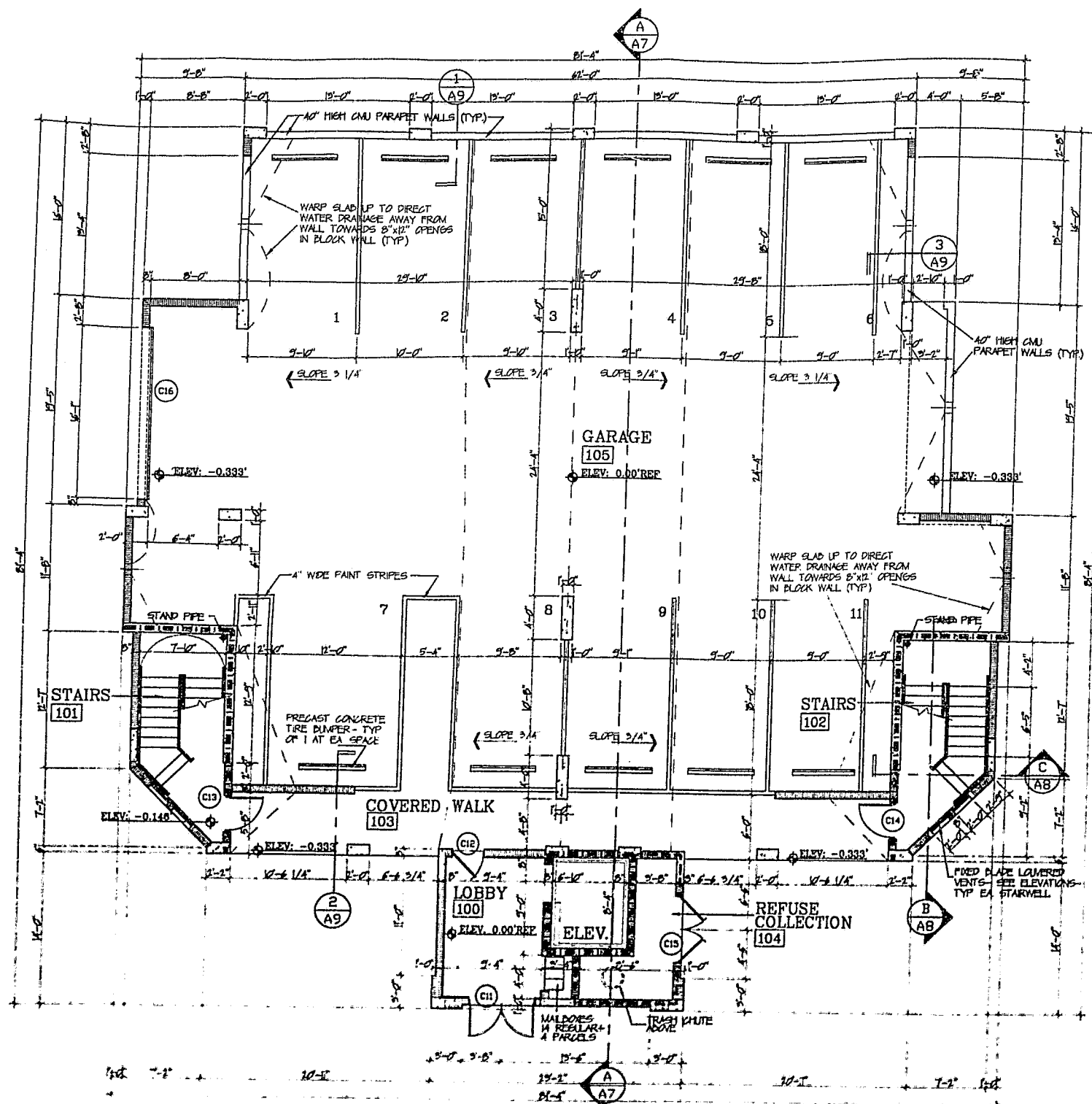
MAR 29 1994

DAVID HUMPHREY  
& ASSOCIATES P.A.  
ARCHITECTS

201 LAUREL OAK DRIVE, SUITE 315  
MAPLE, FLORIDA 33855 (813) 598-3100

BAYPOINT CONDOMINIUMS  
PHASE II  
NAPLES, FLORIDA

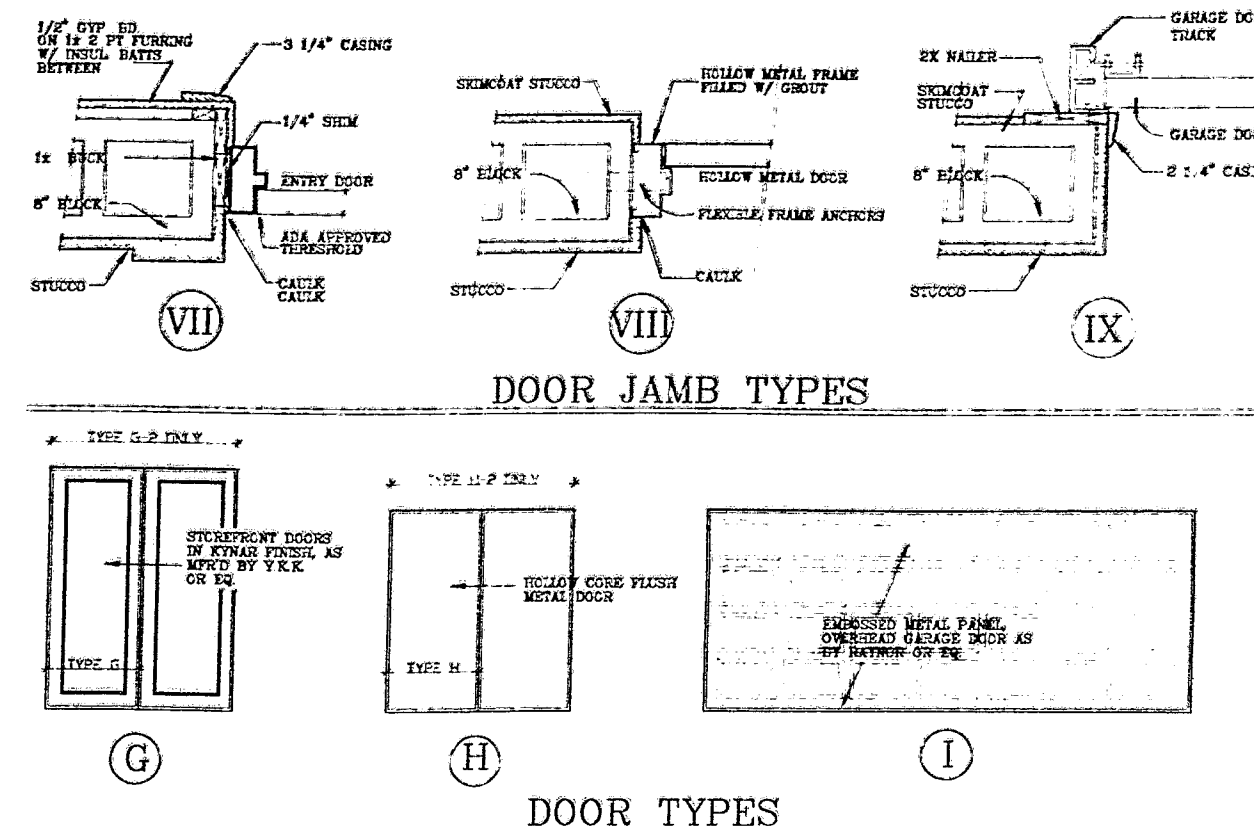
UNIT "A" PLAN  
&  
SCHEDULES



COMMON AREAS - ROOF FINISH SCHEDULE																						
FIL.	RM. NO.	ROOM NAME	FLOORS								BASE			WALLS			CEILING			SIA. ROOF		REMARKS
			1 2 3 4 5 6 7 8								9 10 11			12 13 14			15 16 17			18 19 20		
			SEE COUSCE W/ 1000 CONCRETE FLOOR PAVING COURSE								NO DATA NO DATA NO DATA			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF			100% OF PAVING SURF PAVING SURF		
			100% OF PAVING SURF PAVING SURF								100% OF PAVING SURF PAVING SURF			100% OF								

COMMON AREAS - DOOR SCHEDULE													REMARKS
FIL.	DOOR NUMBER	DOOR SIZES	TYPE	FINISH	FRAME	GLASS	SWITCH	LOCK	HANDLE	WEIGHT	HEIGHT	WIDTH	
GROUND LEVEL	C1	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C2	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C3	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C4	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C5	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
LEVEL 1	C6	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C7	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C8	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C9	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C10	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
5 THROUGH 8	C11	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C12	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C13	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C14	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C15	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
ROOF	C16	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C17	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH
	C18	1 1/2 x 6	VII	H	YES	YES	YES	YES	YES	YES	YES	YES	ENTRY DOOR W/ ELECTRONIC LATCH

DOOR SCHEDULE NOTES:  
1- EXPOSED DOORS SHALL BE DESIGNED AND APPROVED TO RESIST WIND PRESSURES OF UP TO 10 MPH.

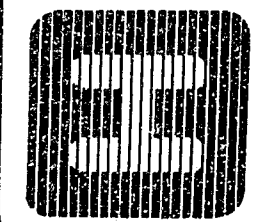


I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, THE PROPOSED STRUCTURE HAS BEEN DESIGNED IN STRICT ACCORDANCE WITH THE 2001 INTERNATIONAL BUILDING CODE, 2001 LIFE SAFETY CODE, FLORIDA STATUTE FS 2001.13 (FLA. FIRE HAZARD ACT) AND ANY OTHER LOCAL ACCESSIBILITY STANDARDS.

DAVID M. HUMPHREY  
FLORIDA REG. NO. 3100

MAR 29 1994

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS



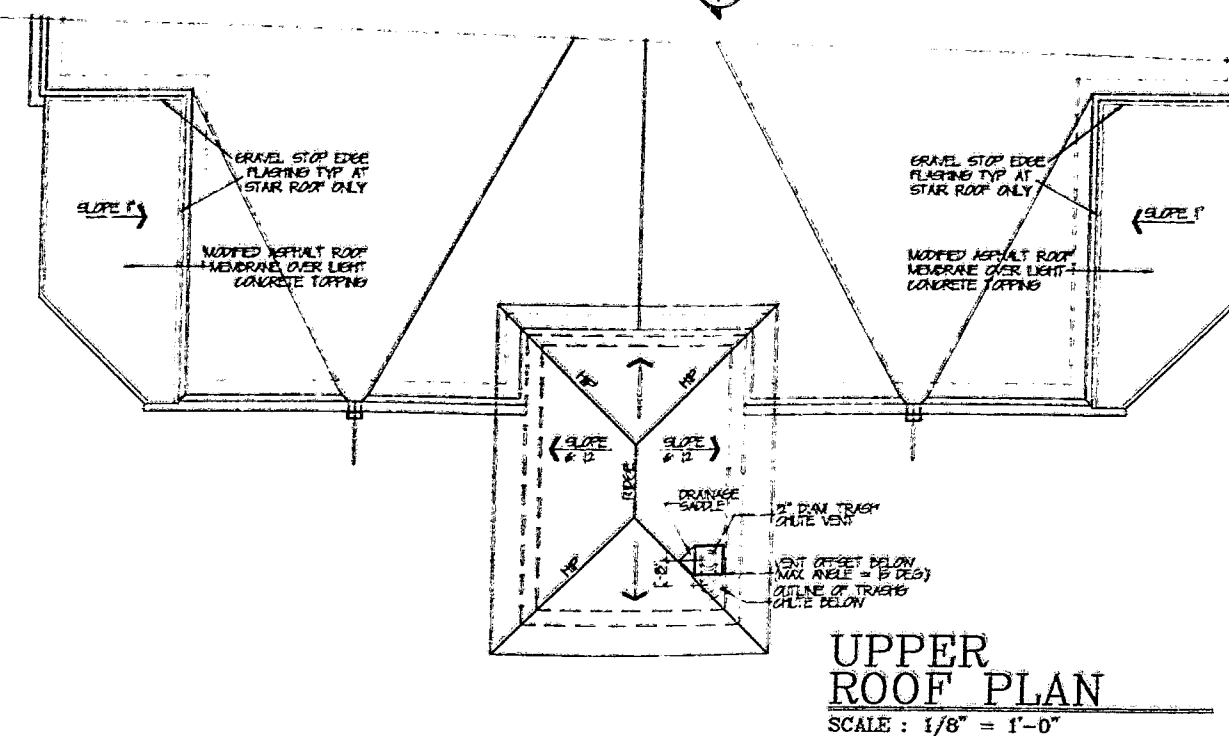
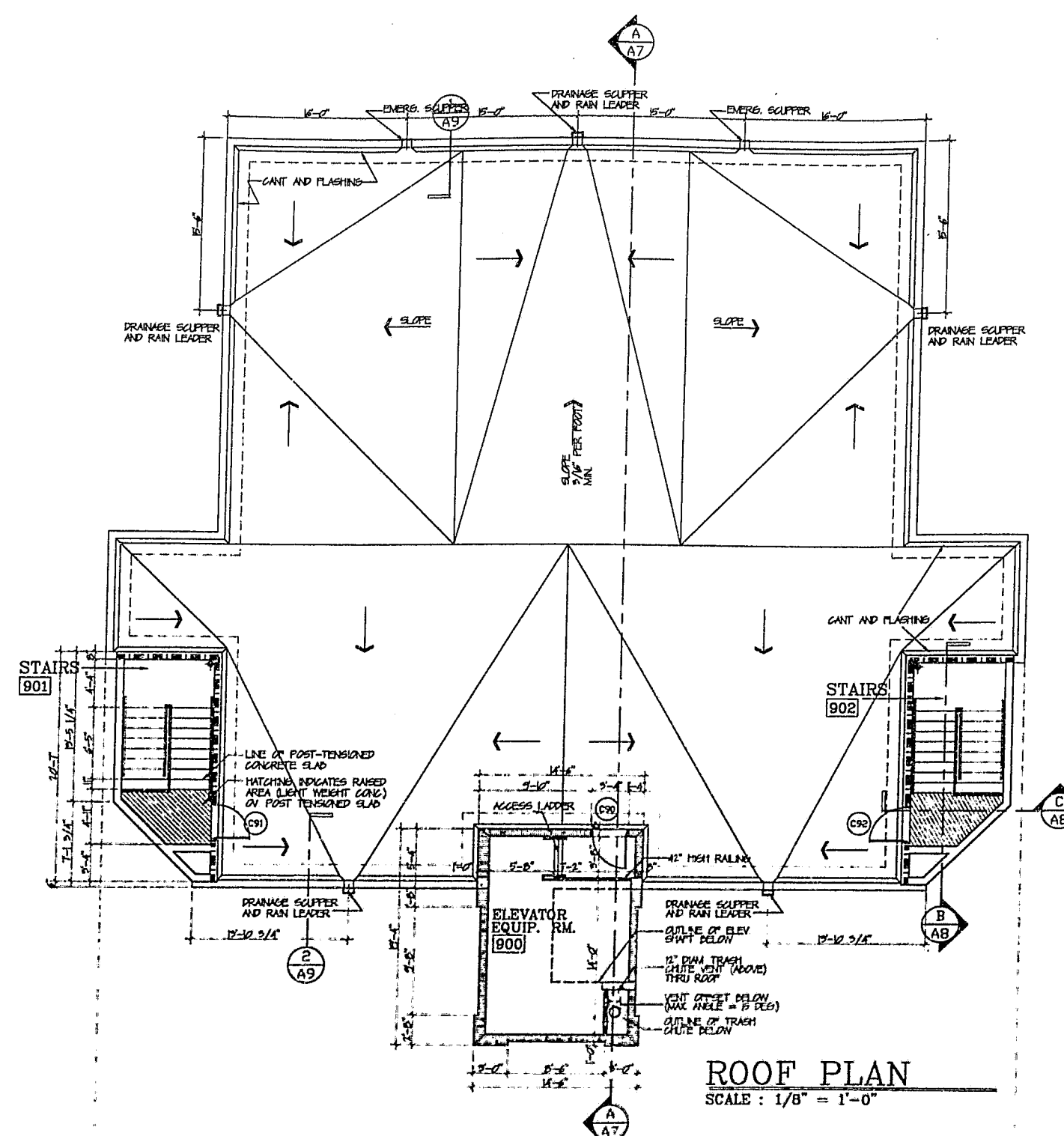
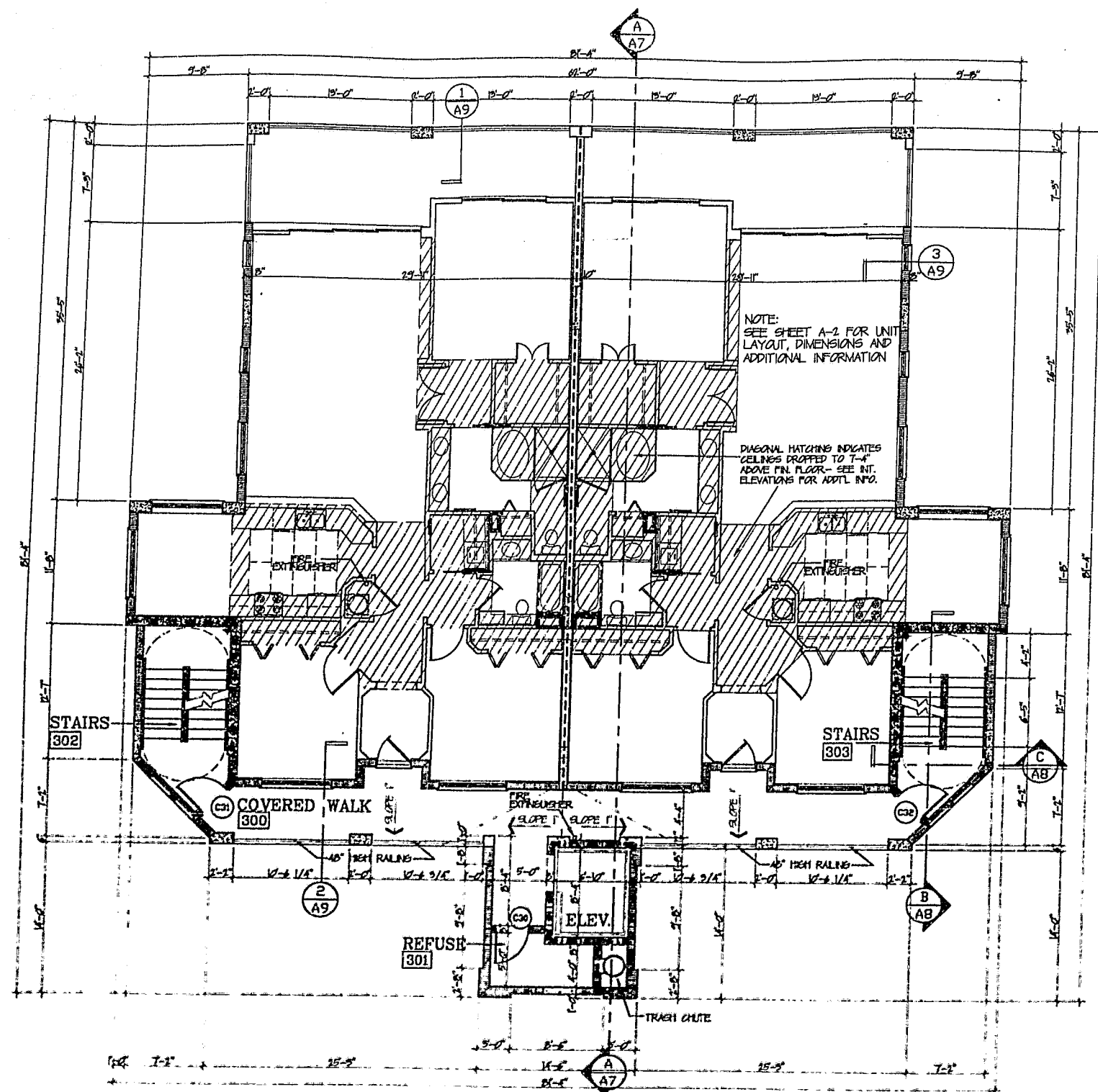
DRAWN  
COUN. NO.  
DATE 05/15/94  
REVISIONS

BAYPOINT CONDOMINIUMS  
PHASE II  
NAPLES, FLORIDA

1/8" SCALE BLDG.  
PLANS  
GROUND LEVEL  
SECOND LEVEL

A-3



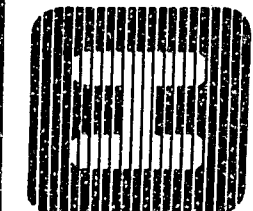


I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THE PROPOSED STRUCTURE HAS BEEN DESIGNED IN STRICT ACCORDANCE WITH THE 2001 STANDARD BUILDING CODE, 2001 LIFE SAFETY CODE, FLORIDA STATUTE PS 76015, FLA. PAR. HOUSING ACT) AND ANSI A-117, 2004 ACCESSIBILITY STANDARDS.

DAVID M. HUMPHREY  
FLORIDA REG. NO. 5742

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS

801 LAUREL OAK DRIVE SUITE 615  
NAPLES, FLORIDA 33963 (813) 598-3100



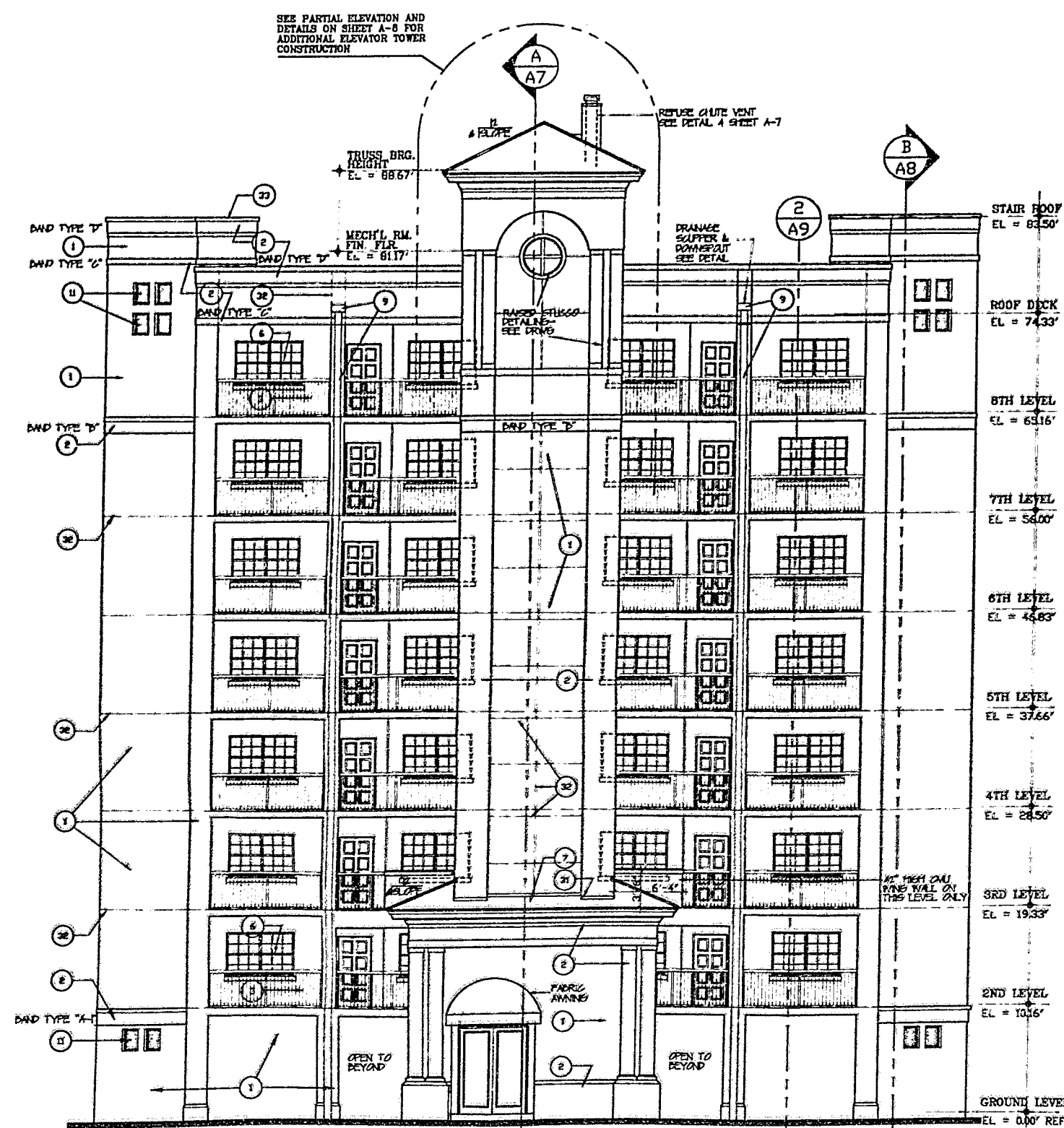
DRAWN  
CONS. NO.  
DATE 03/15/16  
REVISIONS

BAYPOINT CONDOMINIUMS  
PHASE II  
NAPLES, FLORIDA

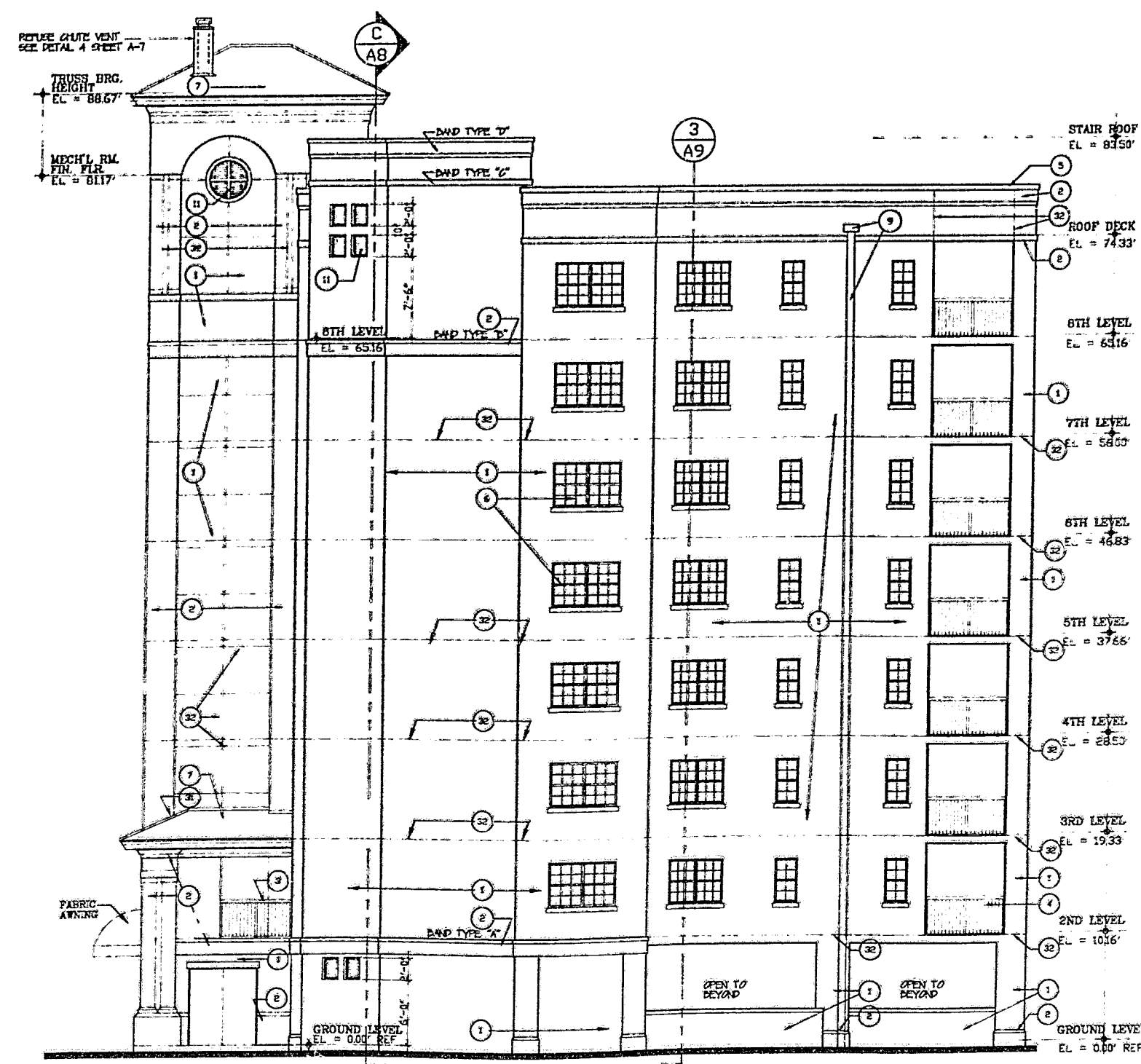
1/8" SCALE BLDG.  
PLANS  
THIRD LEVEL  
ROOF PLANS

A-4





**FRONT ELEVATION**  
SCALE : 1/8" = 1'-0"



**SIDE ELEVATION**  
SCALE : 1/8" = 1'-0"

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THE PROPOSED STRUCTURE HAS BEEN DESIGNED IN STRICT ACCORDANCE WITH THE 1931 STANDARD BUILDING CODE, THE LIFE SAFETY CODE, FLORIDA STATUTE F.S. 760.22 (FLA. PAR. BUILDING ACT) AND ANSI A-117.1 (ADA ACCESSIBILITY STANDARDS).

*David M. Humphrey*  
DAVID M. HUMPHREY  
FLORIDA REG. NO. 3145

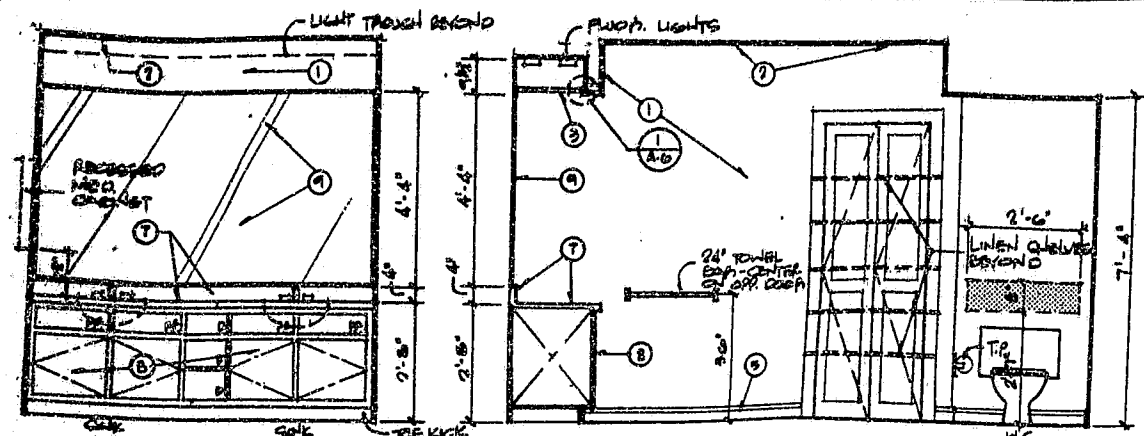
MAR 29 1994

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
801 LAUREL OAK DRIVE SUITE 615  
NAPLES, FLORIDA 33963 (813) 596-3100

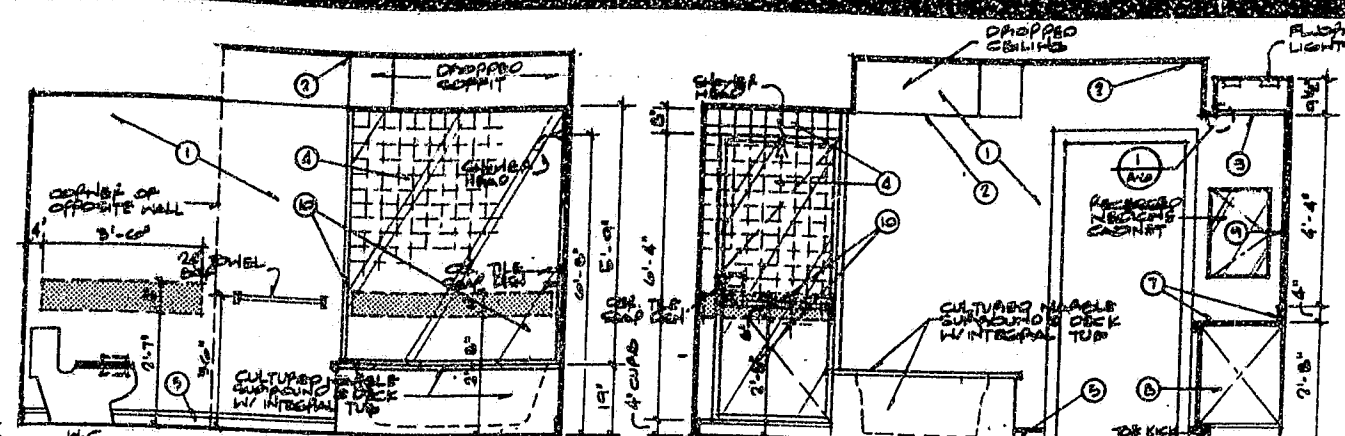
BAYPOINT CONDOMINIUMS  
PHASE II  
NAPLES, FLORIDA

ELEVATIONS

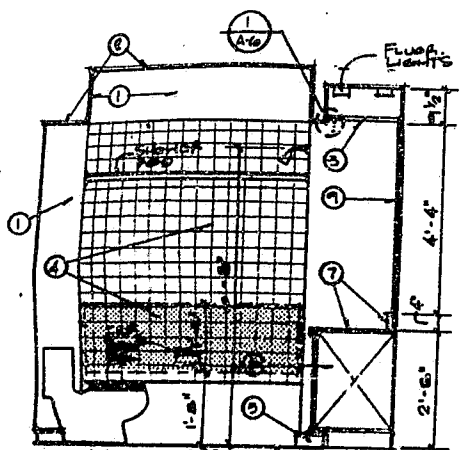
A-5



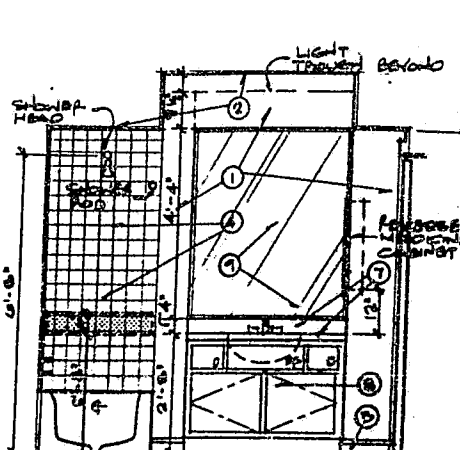
MASTER BATH ①



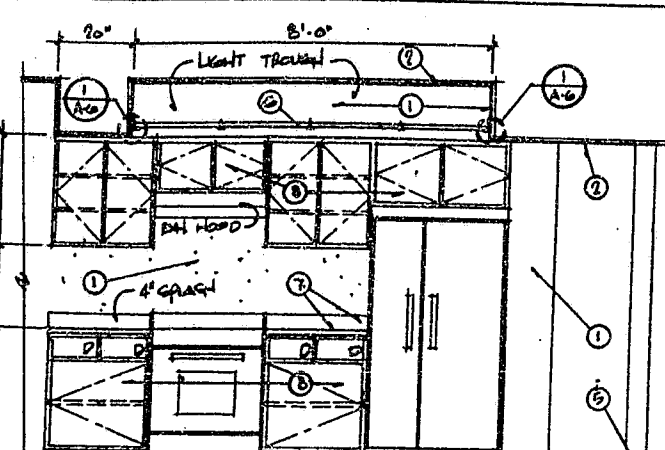
BATH #2 ⑤



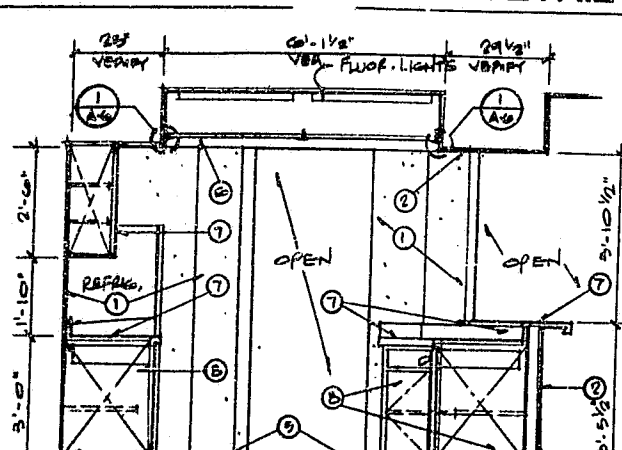
BATH #3 ⑥



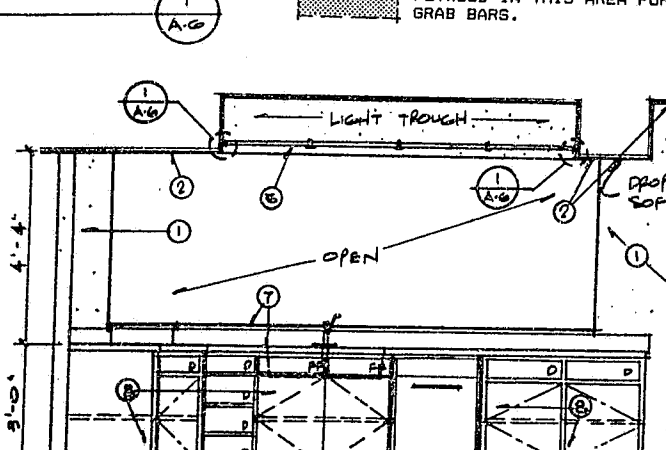
BATH #4 ⑦



KITCHEN ⑧



LIVING AREA ⑨



DINING AREA ⑩

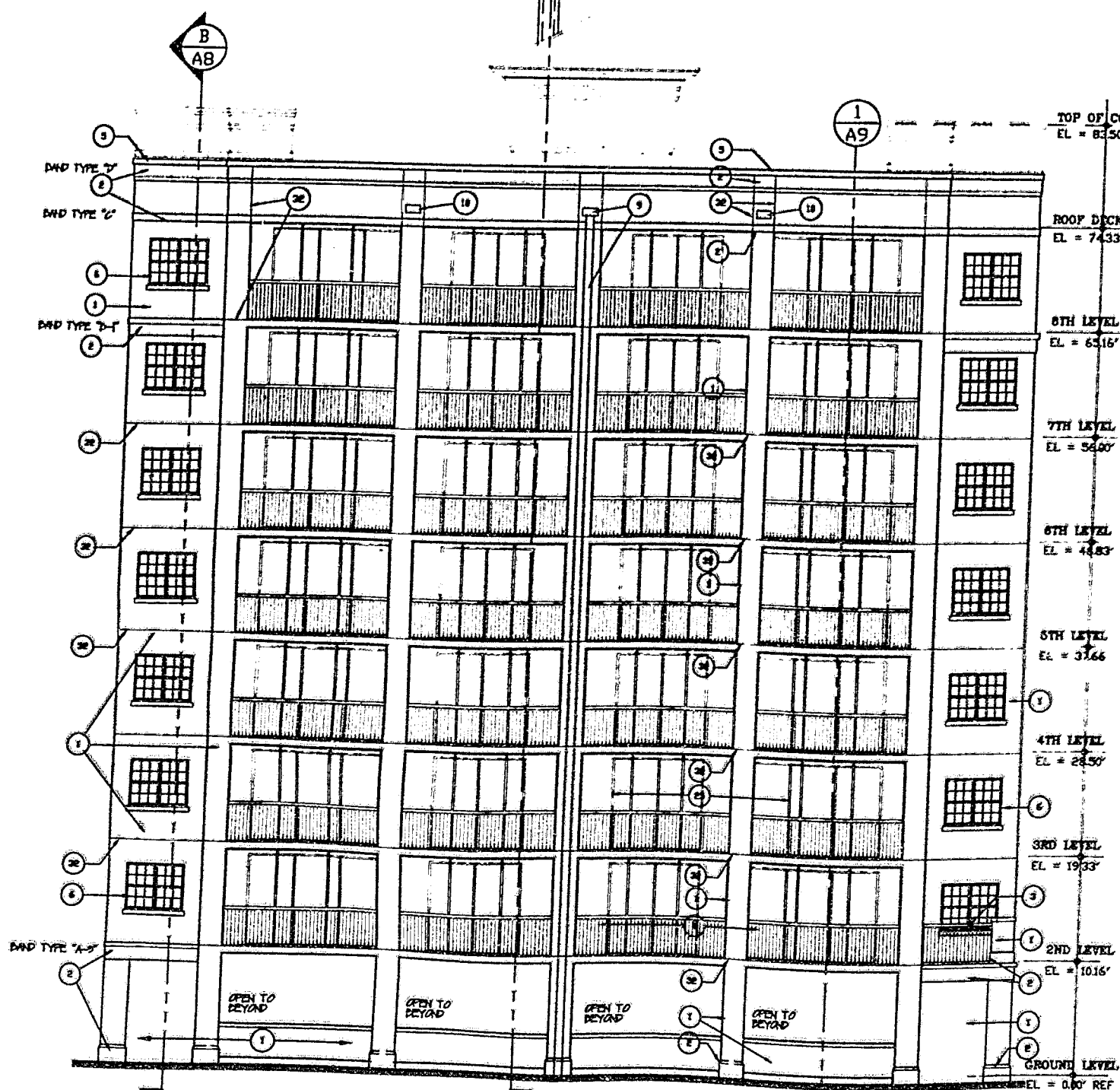
TYP. LIGHT TROUGH  
EDGE DETAIL

# MATERIALS LEGEND

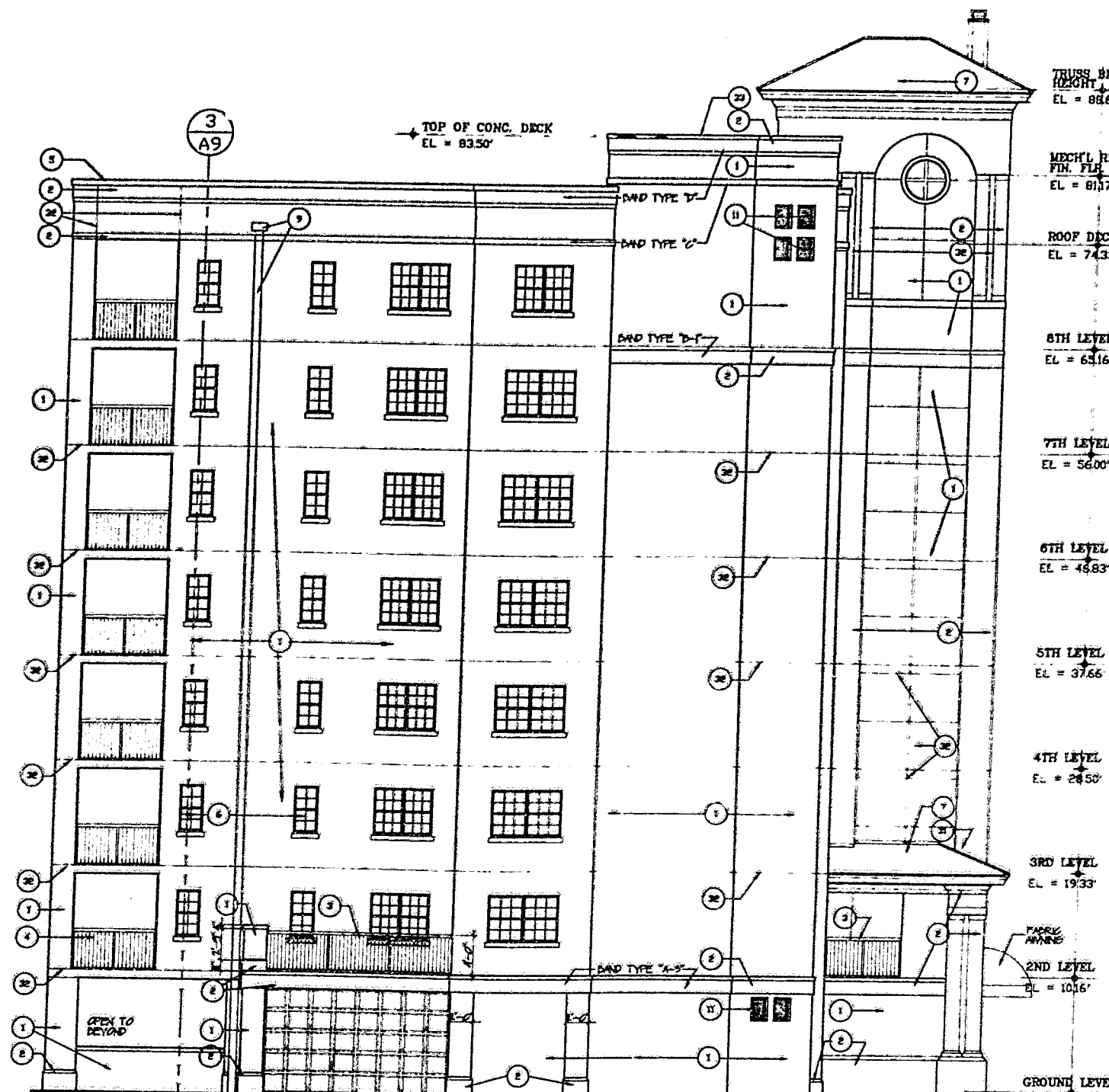
(Interior Elevation Legend - Only)

- 1) 1/2" GYPSUM BOARD - TAPE & SPACKLE - SMOOTH FINISH
- 2) 1/2" GYPSUM BOARD - LIGHT TEXTURE HARDCOTE FINISH
- 3) SPECULAR SILVER PARABOLIC LOUVER ACRYLIC
- 4) CERAMIC TILE - SEE ROOM FINISH SCHEDULE AND SPEC
- 5) 3 1/2" WOOD BASE
- 6) WHITE ACRYLIC LENS
- 7) PLASTIC LAMINATE COUNTERTOP & SPLASH
- 8) PLASTIC LAMINATE CABINETS
- 9) 1/4" POLISHED PLATE MIRROR
- 10) TRANSLUCENT GLASS SHOWER ENCLOSURES IN GOLD ANODIZED ALUMINUM FRAME

INDICATES ADDITIONAL WOOD BLOCKING (3/4 CD "X")  
PLYWOOD IN THIS AREA FOR LATTER INSTALLATION OF  
GRAB BARS.



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

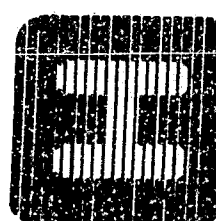


SIDE ELEVATION  
SCALE: 1/8" = 1'-0"

I HEREBY CERTIFY THAT, TO THE  
BEST OF MY KNOWLEDGE, THE  
PROPOSED STRUCTURE HAS BEEN  
DESIGNED IN STRICT ACCORDANCE  
WITH THE 1991 STANDARD BUILDING  
CODE, 1991 LIFE SAFETY CODE,  
FLORIDA STATUTE, P.S. 403.02 (PLA  
FOR HOURS ACT) AND ANSI A-117.1  
ADA ACCESSIBILITY STANDARDS.

DAVID M. HUMPHREY  
FLORIDA REG. NO. 310  
MAR 29 1994

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS

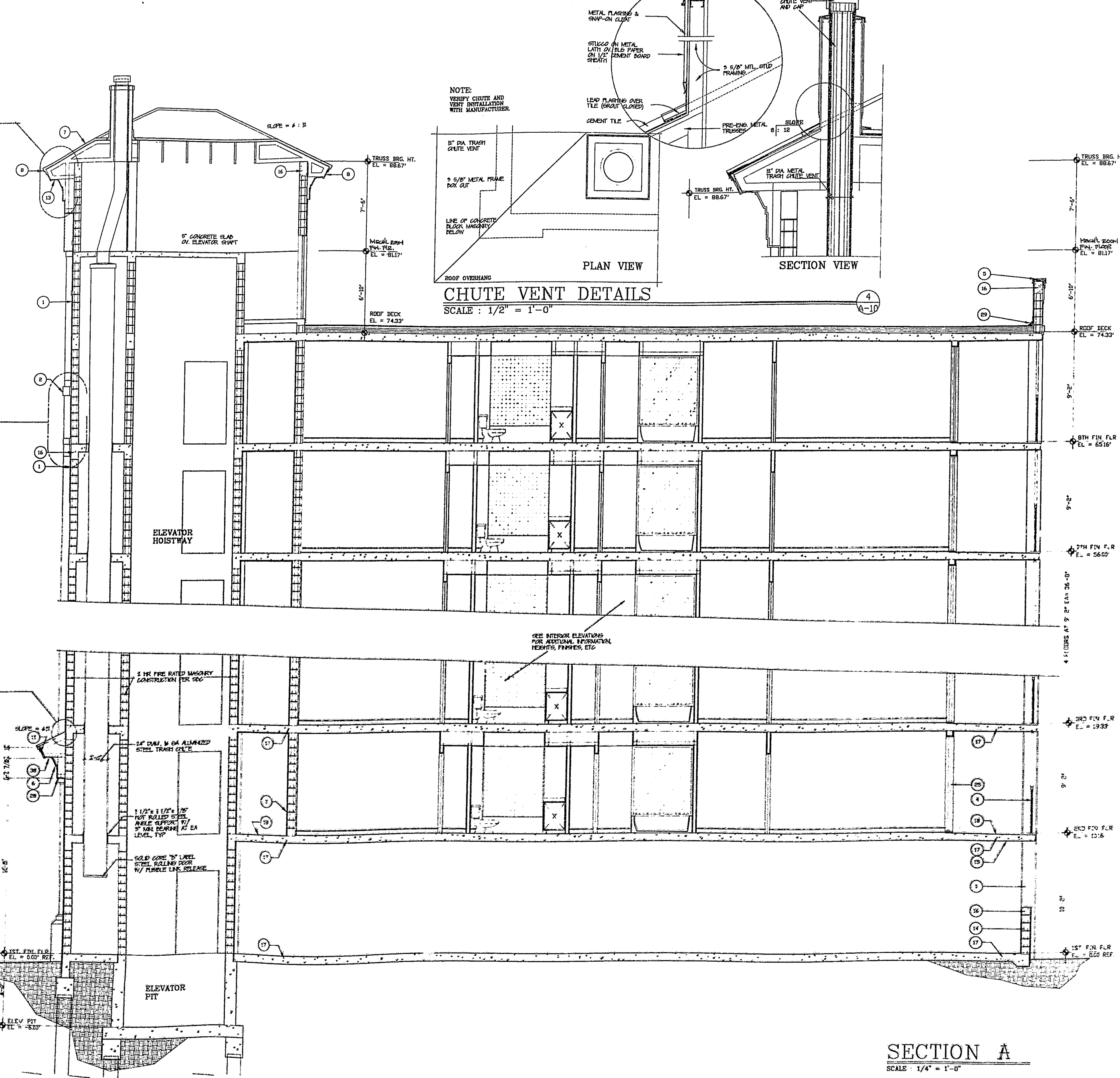
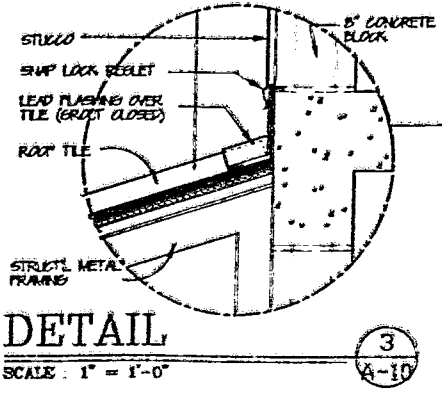
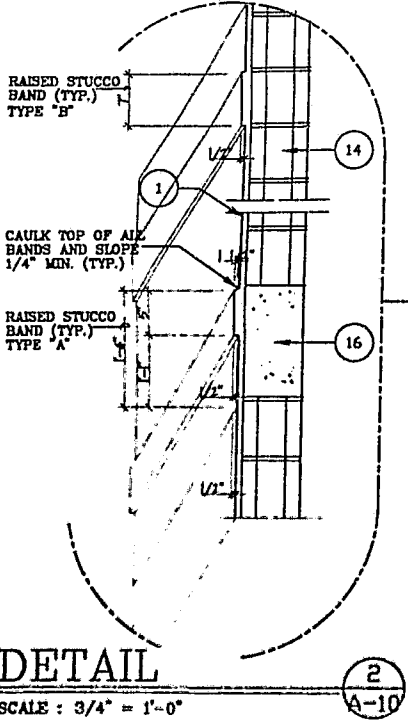
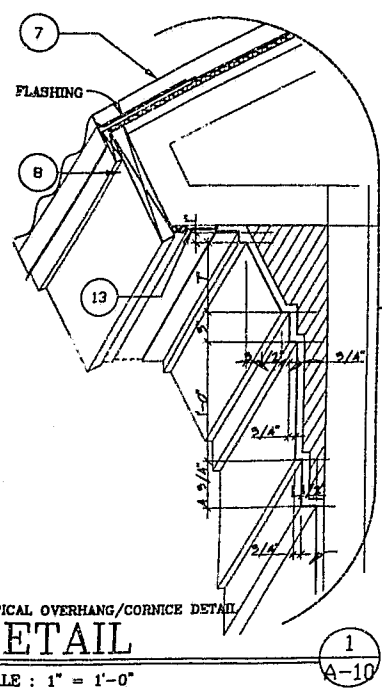


DATE 02/12/94  
REVISIONS

BAYPOINT CONDOMINIUMS  
PHASE II  
NAPLES, FLORIDA

ELEVATIONS  
&  
INTERIOR  
ELEVATIONS





- 1 1/2" LIGHT TEXTURE STUCCO OVER CONCRETE. CONSTRUCTION SEE ELEVATIONS FOR LOCATION OF EXPANSION JOINTS AND CONTROL SCREDS.
- 2 SMOOTH TEXTURE STUCCO FINISH. SEE TYP. WALL SECTIONS FOR JOINT TYPES, FLASH VS. RAISED, DIMENSIONS, ETC.
- 3 ESP WHITE ALUMINUM RAILING WITH 3/4" SQ. PICKETS AT 4 1/2" OC, WITH 1/2" GROUND SHAPE BOTTOM RAIL. 3/4" PICKETS SPACED AS SHOWN IN ELEVATIONS NOT TO EXCEED 4" ON CENTERS AND WITH 3/8" x 1 1/2" CONT. HORIZONTAL EQ. TO EASTERN METAL SUPPLY RAIL No. 14.
- 4 1/2" WHITE ESP ALUMINUM SCREEN ENCLOSURE WITH INTERNAL RAILING (SAME AS ITEM No. 3 ABOVE EXCEPT HORIZONTAL SHAPE BOTTOM RAIL. 3/4" PICKETS SPACED AS SHOWN IN ELEVATIONS NOT TO EXCEED 4" ON CENTERS AND WITH 3/8" x 1 1/2" CONT. HORIZONTAL EQ. TO EASTERN METAL SUPPLY RAIL No. 14.
- 5 SHIP-ON METAL CORNING (202) ALUM. MILL FIN. FIELD PART OVER APPROVED ROOFING PRIMER W/ ANCHOR CLEATS @ 9" OC MAX. OVER 2x2 PT. PLATE W/ 1/2" ANCHOR BOLTS @ 48" OC.
- 6 ESP WHITE ALUMINUM WRAP/WALL LIGHT GREY TINT GLAZING & SCREENS. (SEE WINDOW SCHEDULE FOR SIZES, WINDOW TYPES AND MANUFACT.)
- 7 CONCRETE TILE ROOF OVER 2x8 GRT. FACE FELT NOT MAPPED OVER 2x8 DRY-IN FELT. OVER 1/2" FLYINGWOOD GROUND OVER CORRUGATED METAL DECK ON PRE-ENGINEERED METAL TRUSSES.
- 8 ESP WHITE METAL DRIP FLASHING OVER 1/4" GROUND PRIMER OVER 2x8 CORNING FLASHING.
- 9 2x8 ALUM. LEAKERS HEAD TRANSITION INTO 4x8 SHIP-ON ALUM. LEAKERS WITH SUPPORT BRACKETS AT 50" OC. (ALUM. LEAKERS OTHER BRACKETS W/ 1/2" DIA. BOLTS @ 48" OC. PARTS AND CONNECTORS SHALL BE ESP WHITE ALUM.)
- 10 EMERGENCY DRAINAGE SLIPPER (SEE DETAIL 1/4-4) NOT MAP ALL CORNERS & OVERLAPS.
- 11 EXTRUDED DRAINABLE PLATE LOWERED VENT IN ESP WHITE FIN. EQ. TO 20-A SERIES DRY "AIRLINE" W/ 1/2" HOLEY SCREENS OVER FACE OF VENT AND DRIP SCREEN TO ELEVATOR SHUTT VENT.
- 12 HURRICANE STRAP (TYP. EA. TRUSS) SEE STRUCTLS.
- 13 4" CONTINUOUS PVC VENT.
- 14 8" CMU WALL REINFORCED WITH #5 BARS IN GROUT FILLED CELLS SPACED AS INDICATED ON STRUCT. DRAWINGS AND REQUIRED REINFORC. TYPE REINFORCEMENT (DUR-O-WALL) ON EA. ALTERNATE CORNER.
- 15 PAINT EXPOSED SURFACES INCLUDING BUT NOT LIMITED TO BOTTOM OF CONCRETE DECK. REAR SUSPENDED MECH/ELECTRICAL WORK, ETC.
- 16 CAST-IN-PLACE CONCRETE DECK. SEE NOTE No. 1 BELOW.
- 17 8 1/2" POST-TENSIONED CONCRETE SLAB. SEE NOTE No. 1 BELOW.
- 18 SEE STRUCTURAL DRAWINGS FOR REQUIRED SEALING OF ALL EXPOSED CONCRETE FLOOR SURFACES AND USE OF EPOXY COATED STEEL AT ALL EXTERIOR BALCONY LOCATIONS (IE. BALCONIES AND TERRACES).
- 19 TOILET STUCCO DRIP EDGE (3/8" DEEP).
- 20 NOTED HURRICANE ROOF MEMBRANE AS WIND BY 1400 PSF. US OR EQ. OVER ZONALITE LIGHT WEIGHT CONCRETE OVER LAYERED RIGID INSULATION. MINIMUM DEPTH OF INSULATION SHALL BE 3" MINIMUM ROOF SLOPE SHALL BE 3/4" PER FOOT.
- 21 SHIP TRONOL (MILKAL) OVER 1/2" KAL-CORE GYP BOARD OVER METAL STUDS AT 16" OC.
- 22 SHIP TRONOL (MILKAL) OVER 1/2" KAL-CORE GYP BOARD OVER METAL FLOORING CHANNELS AT 16" OC.
- 23 HARDENED BOTTOM OF CONCRETE DECK - APPLY LINX OR EQ. DOWNSIDE PRIOR TO HARDWARE APPLICATION.
- 24 WOOD JOIST (3 1/2" DEEP) PAINTED, PAINTED.
- 25 MECHANICAL RATED ALUMINUM SLIDING GLASS DOOR (ESP WHITE FIN) WITH TINTED CLEAR GLASS. AS WIND BY 1400 PSF. US OR EQ. SET DOOR TRACK IN MASTIC BED.
- 26 PRECAST CONCRETE SILL.
- 27 PRECAST CONCRETE LINTEL - TYP. AT ALL DOOR AND WINDOW MASTIC BEDS. SEE STRUCT. NOTES FOR REQUIRED LINTEL SIZES AND REINFORCEMENT ACCORDING TO LINTEL SPAN.
- 28 GASK. TRENCH OR EQ.
- 29 CONTINUOUS PREFORMED GASK. STRIP BENEATH DOOR FLASHING.
- 30 3/4" MASTIC SEAL SET IN MASTIC.
- 31 FRY MASTIC RESEAL AND SHIP-ON FLASHING.
- 32 SABLE "V" PROFILE STUCCO CONTROL JOINT - 1/2" RESEAL ON HORIZ. DIPS, 3/8" RESEAL ON VERT. DIPS.
- 33 FELD PAINTED ALUM. BRACK. STOP EDGE FLASHING.

I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THE PROPOSED STRUCTURE HAS BEEN DESIGNED IN STRICT ACCORDANCE WITH THE 1991 STANDARD BUILDING CODE, 1991 LIFE SAFETY CODE, FLORIDA STATUTE P.S. 160.05 (FLA. FIRE HOUSING ACT) AND ANSI A-117.1 1986 ACCESSIBILITY STANDARDS.

*David Humphrey*  
DAVID M. HUMPHREY  
FLORIDA REG. NO. 7182

MAR 29 1996

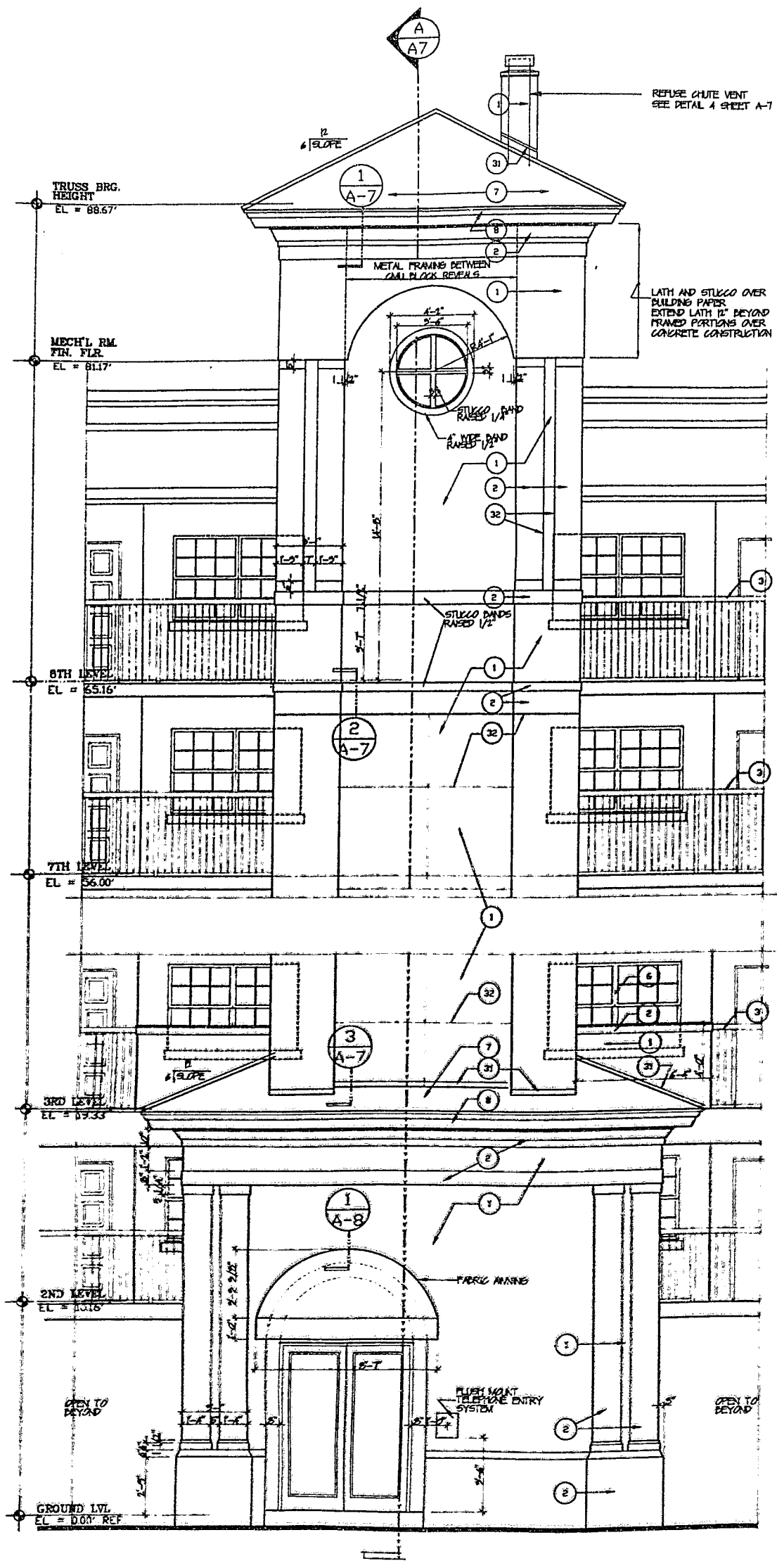
DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS

801 LAUREL OAK DRIVE  
NAPLES, FLORIDA 34103-3100

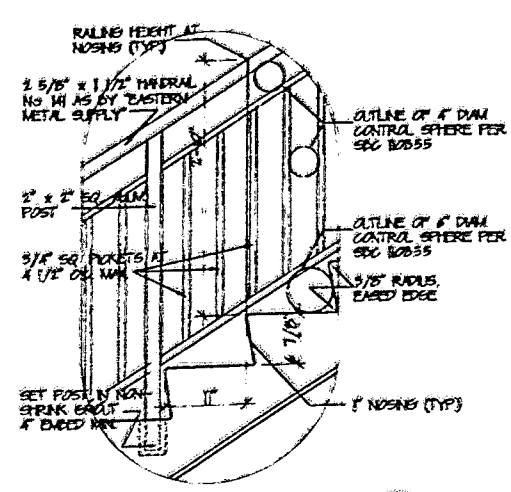
BAYPOINT CONDOMINIUMS  
PHASE II  
NAPLES, FLORIDA

A-7

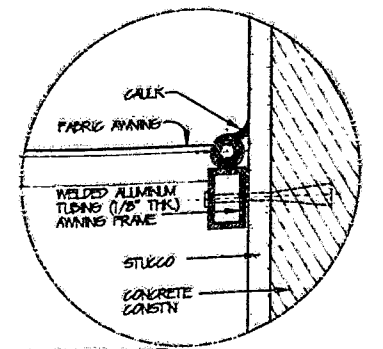




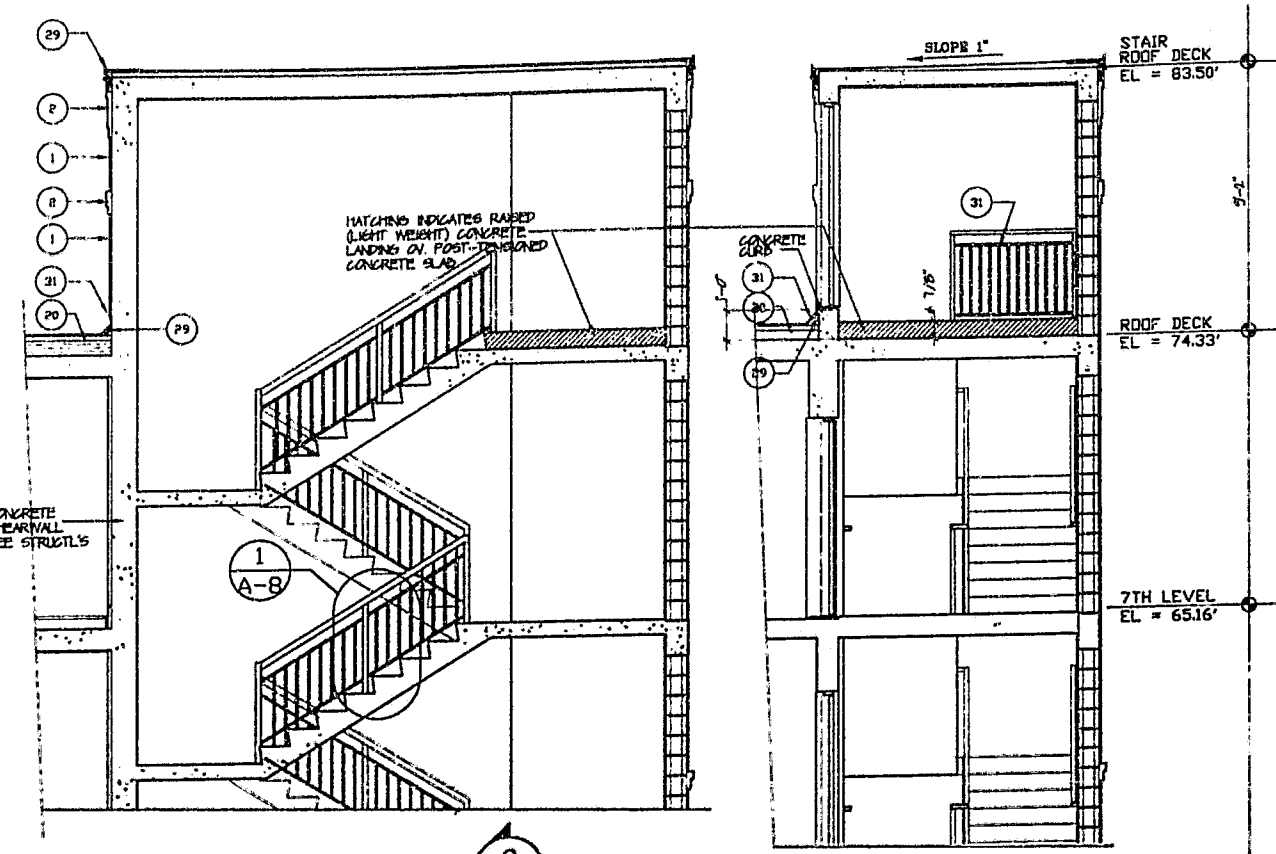
PARTIAL FRONT ELEVATION  
SCALE: 1/4" = 1'-0"



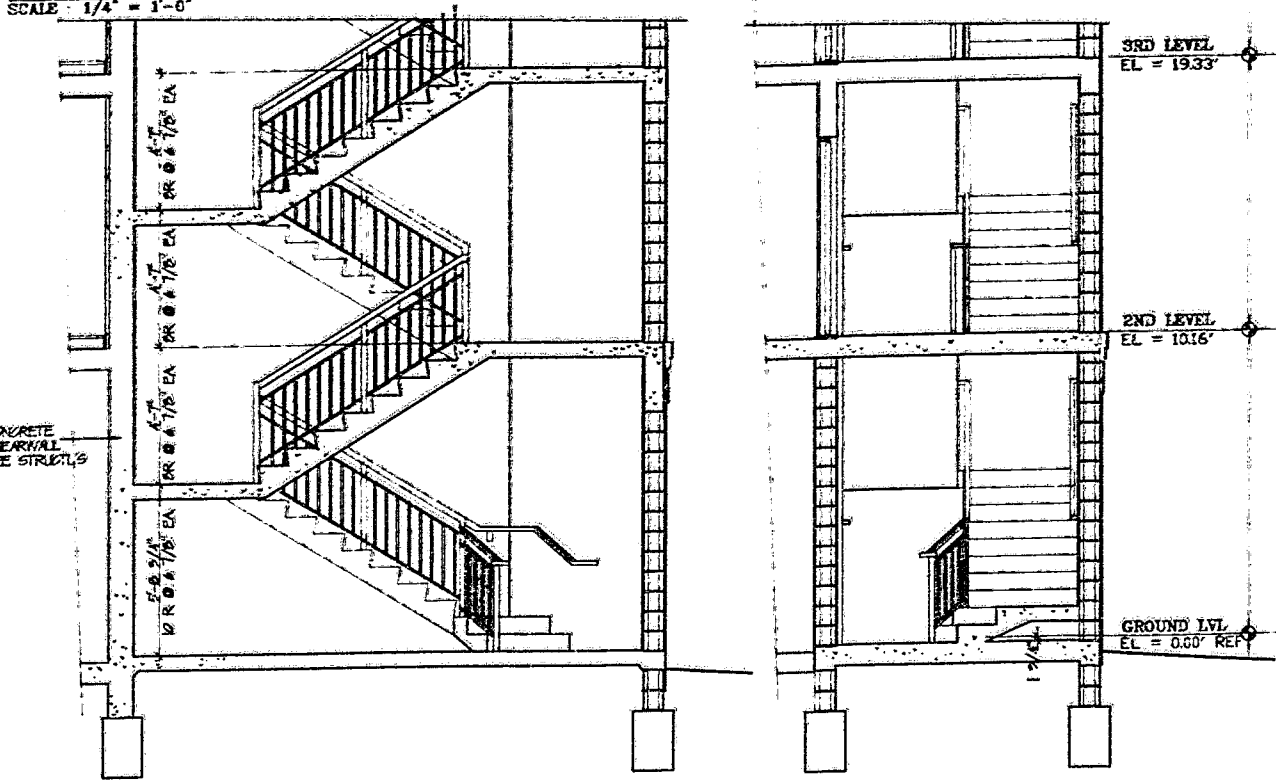
DETAIL  
SCALE: 3/4" = 1'-0"



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



PLAN VIEW- TYP. LEVEL  
SCALE: 1/4" = 1'-0"



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

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

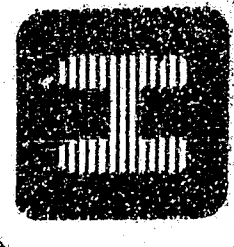
MATERIAL LEGEND

- 1 1/2" LIGHT TEXTURE STUCCO OVER CONCRETE CONSTRUCTION. SEE ELEVATIONS FOR LOCATION OF EXPANSION JOINTS AND CONTROL SCREDS.
- 2 SMOOTH TEXTURE STUCCO BANDING. SEE TYP. WALL SECTIONS FOR BAND TYPES, FLUSH VS. RASED, DIMENSIONS, ETC.
- 3 ESP. WHITE ALUMINUM RAILING WITH 3/4" SQ. PICKETS AT 4 1/2" OC. WITH 1/2" CHANNEL. SHAPE BOTTOM RAIL. 1/2" POSTS (SPACED AS SHOWN IN ELEVATIONS NOT TO EXCEED 4'-0" ON CENTER) AND WITH 2 5/8" x 1 1/2" CONT. HORIZONTAL TO "EASTERN METAL SUPPLY" RAIL NO. 141.
- 4 1/2" WHITE ESP. ALUMINUM SCREEN ENCLOSURE WITH INTEGRAL RAILING (SAME AS ITEM NO. 3 ABOVE EXCEPT HORIZONTAL SHALL BE 3/4" TUBE WITH SADDLE SPINES AND WITH BLACK PENTAGONS. SCREEN BOTTOM RAIL SHALL BE SET AGAINST THE FLOOR AND HAVE NEEP VELS AT 24" OC. MAX.
- 5 SHIP-ON METAL COPING (COPS ALUM. MTL FIN. FELD PAINT OVER APPROVED BANDING PRIMER) W/ ANCHOR CLEATS @ 24" OC. MAX. OVER 2x8 PLATE W/ 1/4" ANCHOR BOLTS @ 48" OC.
- 6 ESP. WHITE ALUMINUM HANDRAILS W/ LIGHT GREY TINT SLAZING & SCREDS (SEE WINDOW SCHEDULE FOR SIZES, WINDOW TYPES AND HANDRAILS).
- 7 CEMENT TILE ROOF OVER 2x8. GUT FACE FELT NOT MOUNTED OVER 2x8. FIN. IN FELT. OVER 1/4" FLYWOOD SHEATH W/ CLIPS OVER CORRODED METAL DECK ON PRE-ENGINEERED METAL TRUSSES.
- 8 ESP. WHITE METAL DRIP FLASHING OVER 1/4" 2x8. DRIP OVER 2x8 CEDAR FASCIA.
- 9 5/8" ALUM. LEADER HEAD TRANSITION INTO 1/2" ONLY. ALUM. LEADERS WITH SUPPORT BRACKETS AT 9' OC. (ALUM. LEADERS OTHER BRACKET W/ DILATORY LEVELS). ALL PARTS AND CONNECTORS SHALL BE ESP. WHITE ALUM.
- 10 EMERGENCY DRAINAGE SCUPPER (SEE DETAIL 1/4-A-1) NOT NEP ALL CORNERS & OVERLAPS.
- 11 EXTRUDED DRAINABLE FLANGE LAMINATED VENT IN ESP. WHITE FIN. ES TO 5/8" A SERIES OF "ARLINS" (NEEP SCREDS (INSIDE FACE OF VENT AND DRIP SCRED TO ELVTR SHUT VENT).
- 12 HURRICANE STRAP (TYP. EA TRUSS) SEE STRUCTS.
- 13 4" CONTINUOUS PVC VENT.
- 14 6" CMU WALL REINFORCED WITH #8 BARS IN GREAT FILLED CELLS SPACED AS INDICATED ON STRUCT. DRAWING AND HORIZONTAL TRUSS TYPE REINFORCEMENT (RUR-A-WALL) ON EA ALTERNATE COURSE.
- 15 PAINT EXPOSED SURFACES INCLUDING BUT NOT LIMITED TO BOTTOM OF CONCRETE DECK, SUSPENDED METAL/ELECTRICAL WORK, ETC.
- 16 CAST-IN-PLACE CONCRETE DECK. SEE NOTE NO. A BELOW.
- 17 8 1/2" POST-TENSIONED CONCRETE SLAB. SEE NOTE NO. 1 BELOW.
- 18 SEE STRUCTURAL DRAWINGS FOR REQUIRED SCAILING OF ALL EXPOSED CONCRETE FLOOR SURFACES AND USE OF EPOXY COATED STEEL AT ALL EXTERIOR BALCONY LOCATIONS (E BALCONIES AND TERRACES).
- 19 TAPPED STUCCO DRIP EDGE (1/8" DEEP).
- 20 MOUNTED ASPHALT ROOF MEMBRANE AS NOTED BY THIRD PARTIES. OR EQ. OVER ZINGULITE. LIGHT WEIGHT CONCRETE OVER LAMINATED ROOF. MINIMUMIMUM DEPTH OF INSULATION SHALL BE 3" MINIMUM ROOF SLATE SHALL BE 9/16" PER FOOT.
- 21 SHIP TRUSSES (BARK) OVER 1/4" M-L CORE GYP. BOARD OVER METAL STUDS AT 16" OC.
- 22 SHIP TRUSSES (BARK) OVER 1/4" M-L CORE GYP. BOARD OVER METAL FURNING CHANNELS AT 16" OC.
- 23 HARDCOTE BOTTOM OF CONCRETE DECK - APPLY 1/2" OR EQ. BARRIER AGENT PRIOR TO IMMEDIATE APPLICATION.
- 24 WOOD CALUMAL (D 1/2") BARE DOWNS, PAINTED.
- 25 PREASURE RATED ALUMINUM GLASS DOOR (ESP. WHITE FIN) WITH THERMOFLEX CLEAR GLASS AS NOTED BY "EASTON SELF". SET DOOR TRACK IN MASTIC BED.
- 26 PRECAST CONCRETE SILL.
- 27 PRECAST CONCRETE LINTEL - TYP. AT ALL DOOR AND WINDOW WINDOW OPENINGS - SEE STRUCT. NOTES FOR REQUIRED LIMIT. SIZES AND PERFORMANCE ACCORDING TO LINTEL SPAN.
- 28 CALK "TRENCH" OR EQ.
- 29 CONTINUOUS PERFORMED LANT STRIP BENEATH BASE FLASHING.
- 30 3/4" WIRELESS STEEL SET IN MASTIC.
- 31 FRY WAGONY RESIST AD SHIP-ON FLASHING.
- 32 SHAPE 1/4" PROFILE STUCCO CONTROL JOINT- 1/2" REVEAL ON HORIZ. BANDS, 3/8" REVEAL ON VERT. BANDS.
- 33 FELD PAINTED ALUM. GRANEL STOP EDGE FLASHING.

NOTES  
A- REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION DETAILS AND REQUIRED REINFORC OF ALL STRUCTURAL CONCRETE.  
B- REFER TO ROOM FINISH SCHEDULE FOR SPECIFIC FINISHES OF ROOMS.

I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THE PROPOSED STRUCTURE HAS BEEN DESIGNED IN STRICT ACCORDANCE WITH THE 1993 STANDARD BUILDING CODE, 1993 LIFE SAFETY CODE, FLORIDA STATUTE FS 160.23 (PLA. PAR. HOUSING ACT) AND ASH 1-1711 ADA ACCESSIBILITY STANDARDS.  
*David M. Humphrey*  
DAVID M. HUMPHREY  
FLORIDA REG. NO. 5182  
MAR 29 1996

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
1001 LAMAR, SUITE 200  
NAPLES, FLORIDA 34102-2000  
PHONE: 239-239-2100  
FAX: 239-239-2101

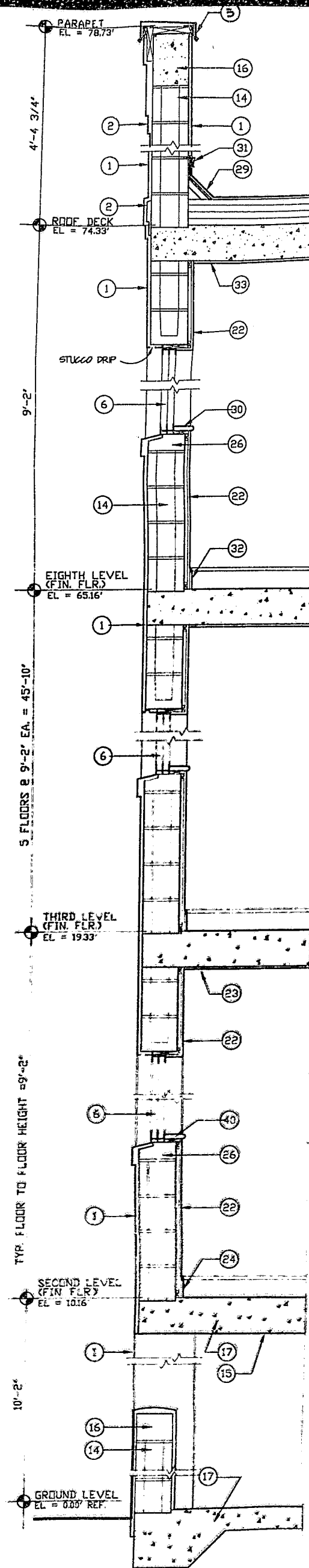


DATE: 07-10-96  
DRAWING NO.:  
REVISIONS:

BAYPOINT CONDOMINIUMS  
PHASE II  
NAPLES, FLORIDA

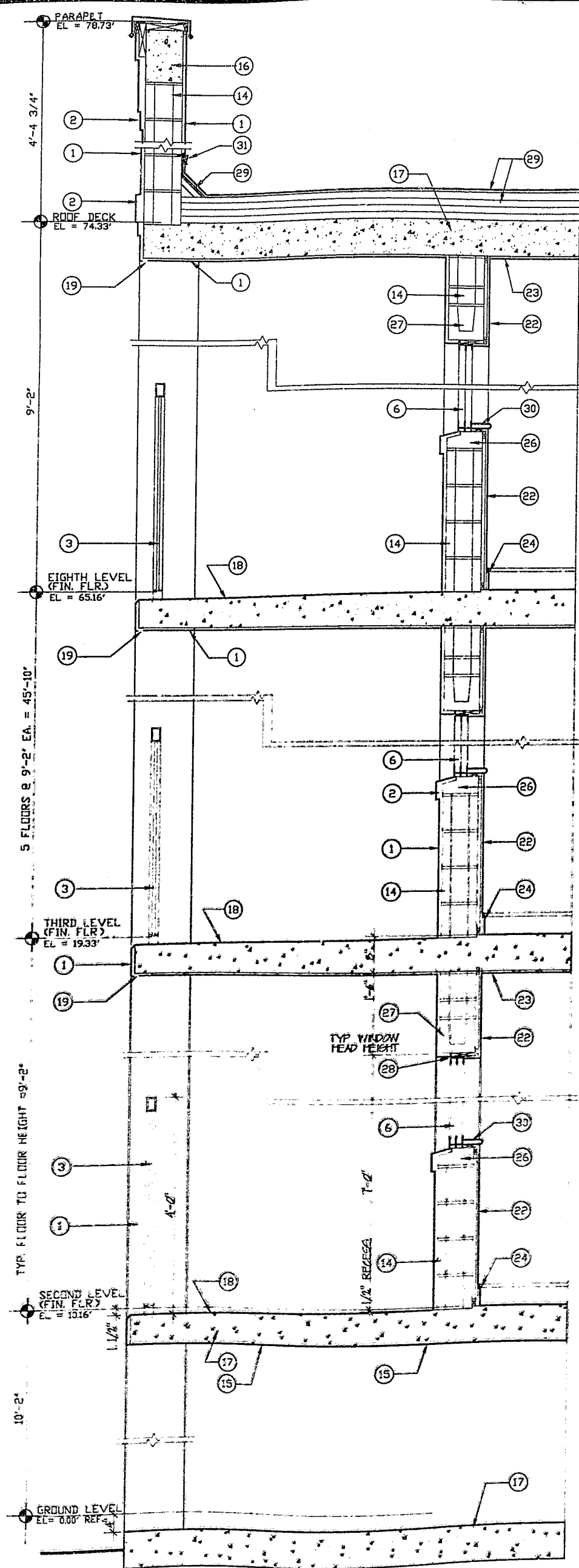
BUILDING  
SECTIONS  
B & C

A-8



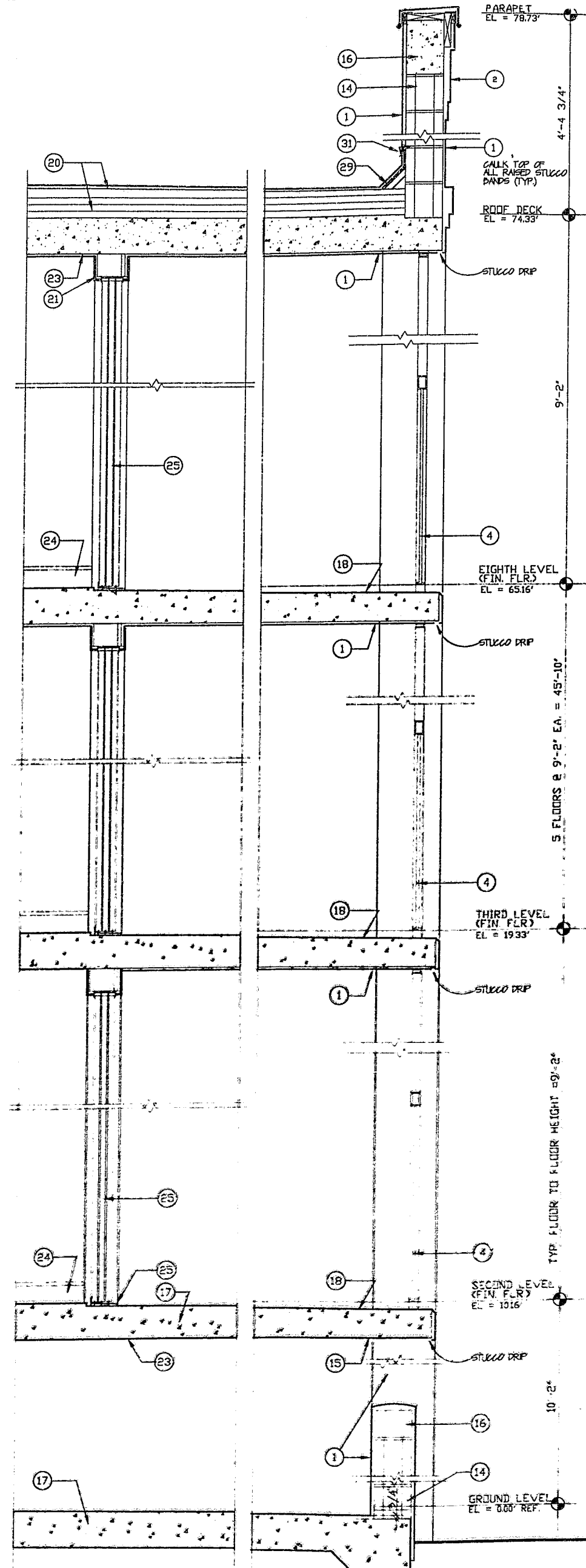
WALL SECTION  
SCALE: 3/4" = 1'-0"

3  
A-12



WALL SECTION  
SCALE: 3/4" = 1'-0"

2  
A-12



WALL SECTION  
SCALE: 3/4" = 1'-0"

1  
A-12

- 1 1/2" LIGHT TEXTURE STUCCO OVER CONCRETE CONSTRUCTION. SEE ELEVATIONS FOR LOCATION OF EXPANSION JOINTS AND CONTROL JOINTS.
- 2 SMOOTH TEXTURE STUCCO FINISH. SEE TYP. WALL SECTIONS FOR BAND TYPES, FLUSH VS. RAKED, DIMENSIONS, ETC.
- 3 ESP WHITE ALUMINUM RAILING WITH 3/4" SQ. PICKETS AT 4 1/2" O.C. WITH 1/2" CHAIR. SHAPE BOTTOM RAIL. 2X4 POSTS (SPACED AS SHOWN IN ELEVATIONS NOT TO EXCEED 6'-0" ON CENTER) AND WITH 5/8" x 1 1/2" CONT. HANDRAIL EQ. TO EASTERN METAL SUPPLY. RAIL NO. 141.
- 4 1/2" WHITE ESP ALUMINUM SCREEN ENCLOSURE WITH INTERNAL RAILING (SAME AS ITEM NO. 3 ABOVE EXCEPT HANDRAIL SHALL BE 2X4 TUBE WITH SCREEN SPLICES AND WITH BLACK FIBERGLASS INSET). SCREEN BOTTOM RAIL SHALL BE SET AGAINST THE FLOOR AND HAVE WEEP HOLES AT 14" O.C. MAX.
- 5 SHIP-ON METAL CORNER (100% ALUM. MILL FIN. FIELD PAINT OVER AFFRATED BANDING FRAMES) W/ ANCHOR BOLTS @ 3/4" O.C. MAX. OVER 2X6 PT. PLATE W/ 1/2" ANCHOR BOLTS @ 48" O.C.
- 6 ESP WHITE ALUMINUM WINDOWS W/ LIGHT GRAY TINT GLAZING & SCREENS (SEE WINDOW SCHEDULE FOR SIZES, WINDOW TYPES AND HANDLES).
- 7 CEMENT TILE ROOF OVER 2X8 GRT FACE FELT NOT MOVED OVER 2X4 DRY-IN FELT. OVER 1/2" FLYWOOD SHEATH W/ CLIPS OVER CORROBATED METAL DECK ON PRE-DESIGNED METAL TRUSSES.
- 8 ESP WHITE METAL DRIP FLASHING OVER 1X4 CEDAR DRIP OVER 2X6 CEDAR FASCIA.
- 9 2X6 ALUM. LEAFER HEAD TRANSITION INTO 4X8 GALT ALUM. LEAFER WITH SUPPORT BRACKETS AT 24" O.C. (ALIGN EVERY OTHER BRACKET W/ BALCONY LEVEL) ALL PARTS AND CONNECTIONS SHALL BE ESP WHITE ALUM.
- 10 EMERGENCY DRAINAGE SCUPPER (SEE DETAIL 1/A-4) NOT MAP ALL CORNERS & OVERLAPS.
- 11 EXTRUDED DRAINABLE BLADE LAMINATED VENT IN ESP WHITE FIN. EQ. TO 20X-A SERIES BY "ARLIFE" W/ INSET SCREENS (SEE FACE OF VENT. ADD DRIP SCREEN TO ELEVTR. SHWT VENT).
- 12 HURRICANE STRIP (TYP. EA. TRUSS) SEE STRUCT'L.
- 13 4" CONTINUOUS PVC VENT.
- 14 8" CMU WALL REINFORCED WITH #6 BARS IN GROUT FILLED CELLS SPACED AS INDICATED ON STRUCT'L. DRAWING AND HORIZONTAL TRUSS TYPE REINFORCEMENT (BUT-2-WALL) ON EA. ALTERNATE COURSE.
- 15 PAINT EXPOSED SURFACES INCLUDING BUT NOT LIMITED TO BOTTOM OF CONCRETE DECK. SUGGESTED: MED. GLOSS. WORK. ETC.
- 16 CAST-IN-PLACE CONCRETE DECK. SEE NOTE NO. 1 BELOW.
- 17 8 1/2" POST-TENSIONED CONCRETE SLAB. SEE NOTE NO. 1 BELOW.
- 18 SEE STRUCTURAL DRAWINGS FOR REQUIRED SEALING OF ALL EXPOSED CONCRETE FLOOR SURFACES AND USE OF EPOXY COATED STEEL AT ALL EXTERIOR BALCONY LOCATIONS (IE. BALCONIES AND TERRACES).
- 19 TYPED STUCCO DRIP EDGE (3/8" DEEP).
- 20 MOVED AERIALT ROOF MEMBRANE AS W/ROD BY "NORD" NUMBER US OR EQ. OVER ZONALITE LIGHT WEIGHT CONCRETE OVER LAYERED RIGID INSULATION MINIMUM DEPTH OF INSULATION SHALL BE 3" UNLESS ROOF SLOPE SHALL BE 3/4" PER FOOT.
- 21 SHIP TRIMMER (UNVAL) OVER 1/2" KAL-CORE GYP BOARD OVER METAL STUDS AT 16" O.C.
- 22 SHIP TRIMMER (UNVAL) OVER 1/2" KAL-CORE GYP BOARD OVER METAL STUDS CHANNELS AT 16" O.C.
- 23 HYDRATE BOTTOM OF CONCRETE DECK - APPLY "LEAK" OR EQ. BOARDING AGENT PRIOR TO HYDRATE APPLICATION.
- 24 1X10 CALUM. (3 1/2") DAGE DOWN, PAINTED.
- 25 PREHIRE RATED ALUMINUM SLIDING GLASS DOOR (ESP WHITE FIN) WITH THERMO CLEAR GLASS AS W/ROD BY "SEASON" SLIP SET DOOR TRACK IN MASTIC BED.
- 26 PRECAST CONCRETE SILL.
- 27 PRECAST CONCRETE LINTEL - TYP. AT ALL DOOR AND WINDOW MASONRY OPENINGS - SEE STRUCT'L. NOTES FOR REQUIRED LINTEL SIZES AND REINFORCEMENT ACCORDING TO LINTEL SFN.
- 28 CALK "TRENKOT" OR EQ.
- 29 CONTINUOUS PREFORMED GUT STRIP BENEATH BASE FLASHING.
- 30 3/4" MARBLE STOOL SET IN MASTIC.
- 31 FRY MASONRY RESET AND SHIP-ON FLASHING.
- 32 SABLE "V" PROFILE STUCCO CONTROL JOINT - 1/2" RECAL. ON VERT. BANDS. 3/8" RECAL. ON VERT. BANDS.
- 33 FELD PAINTED ALUM. GRATEL STOP EDGE FLASHING.

I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THE PROPOSED STRUCTURE HAS BEEN DESIGNED IN STRICT ACCORDANCE WITH THE 1994 STANDARD BUILDING CODE, 1994 LIFE SAFETY CODE, FLORIDA STATUTE FS 160.15 (FLA. FIRE HAZARD ACT) AND ANSI A-117.1 (ADA ACCESSIBILITY STANDARDS).

*David M. Humphrey*  
DAVID M. HUMPHREY  
FLORIDA REG. NO. 5174  
MAR 29 1994

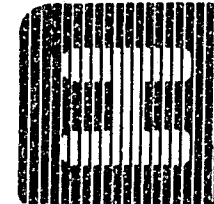
BAYPOINT CONDOMINIUMS  
PHASE II

NAPLES, FLORIDA

WALL SECTIONS

A-9

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS



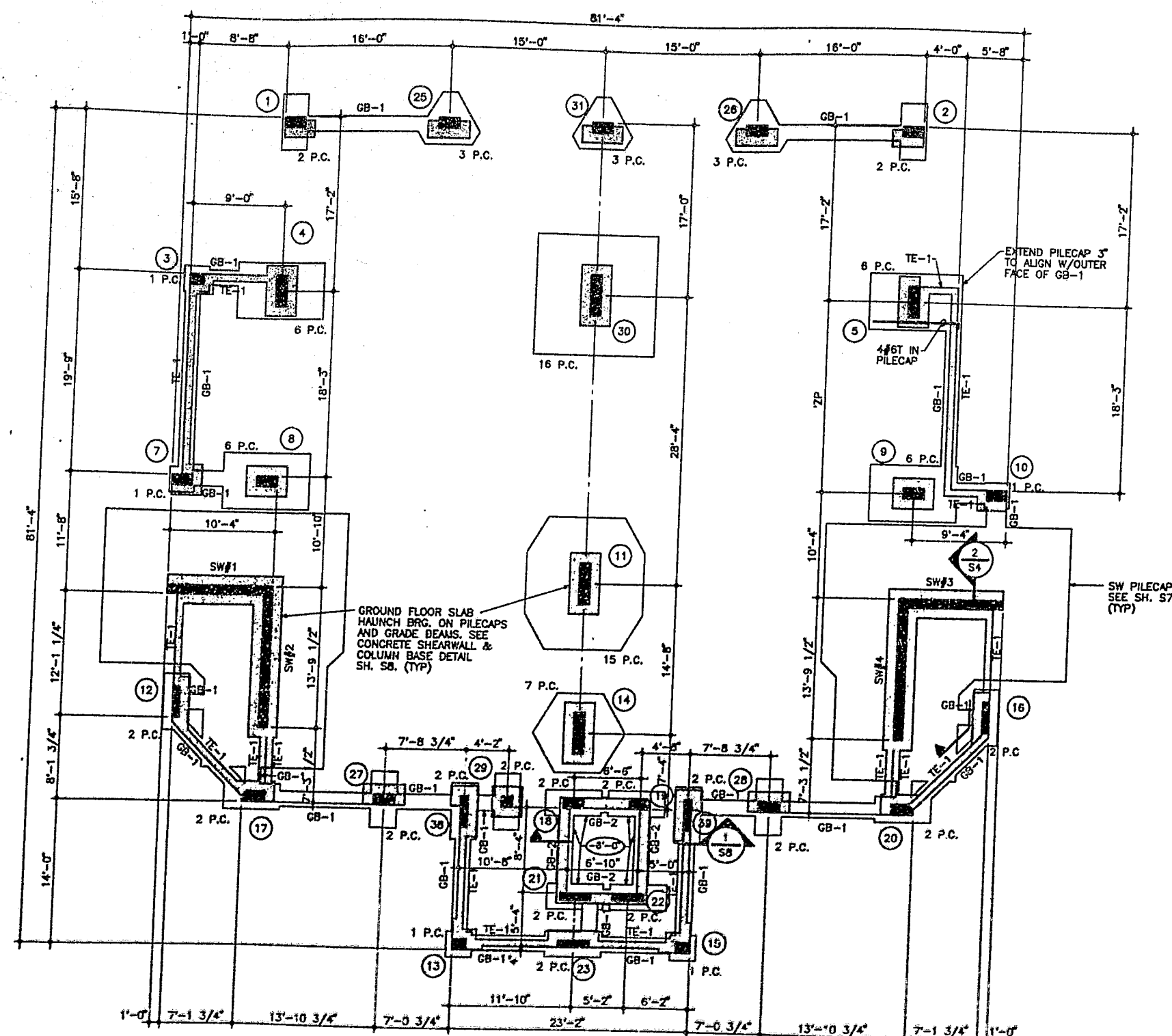
DRAWN  
CONC. NO.  
DATE 02/15/94  
REVISIONS

801 LAUREL OAK DRIVE  
SUITE 615  
NAPLES, FLORIDA 34103 (813) 598-3100









**FOUNDATION PLAN**  
SCALE 1/8"=1'-0"

**FOUNDATION PLAN NOTES:**

1. FOR DIMENSIONS NOT SHOWN SEE ARCHITECTURAL DRAWINGS AND FOUNDATION PLAN.
2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. FOR ADDITIONAL DIMENSIONAL AND SLOPE INFORMATION, SEE ARCHITECTURAL DRAWINGS.
3. SEE DRAWING S7 SHEARWALL SCHEDULE.
4. SEE DRAWING S1 FOR COLUMN & BEAM SCHEDULES AND STRUCTURAL NOTES.
5. ALL TENDONS RUN AROUND COLUMNS, NOT THROUGH AS SHOWN.
6. PROVIDE 12" DEEP X 12" WIDE THICKENED SLAB ALL AROUND PERIMETER OF BUILDING WITH 1#5, 2#5 U.N.O.
7. PROVIDE 2 LAYERS OF 6 MIL. POLYETHYLENE SHEETS BELOW SLAB.
8. CENTERLINES OF COLUMNS AND PILE CAPS SHALL COINCIDE EXCEPT WHERE DIMENSIONED OTHERWISE.
9. TOP OF PILE CAPS SHALL BE AT ELEVATION -1'-0" UNLESS SHOWN OTHERWISE THUS.
10. DETAILS OF PILE CAPS ARE SHOWN ON SHEET S6.
11. ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS REFER TO +0'-0" REFERENCE ELEVATION ONLY.
12. TE-1 INDICATES 24" DP X 8" WIDE THICKENED SLAB EDGE TO BEAR ON GRADE BEAM / PILECAP WITH 2#6 BOT. AND 1#5 TOP.

**STEEL SYMBOLS**

BAR SIZE 1/2"  $\frac{1}{2}$ " T=TOP  
B=BOTTOM  
BAR SPACING 1/2" 1/2"  
BAR PLACEMENT 1/2" 1/2"

**COLUMN SYMBOLS**

○ — INDICATES COLUMN BELOW  
○ — INDICATES COLUMN THRU  
○ — INDICATES COLUMN ABOVE

**JENKINS & CHARLAND**  
INCORPORATED  
Consulting Engineers

12381 Cleveland Avenue  
Suite 204  
Fort Myers, FL 33907  
(841) 939-1414 (841) 278-4289 FAX

TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THESE PLANS COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES.

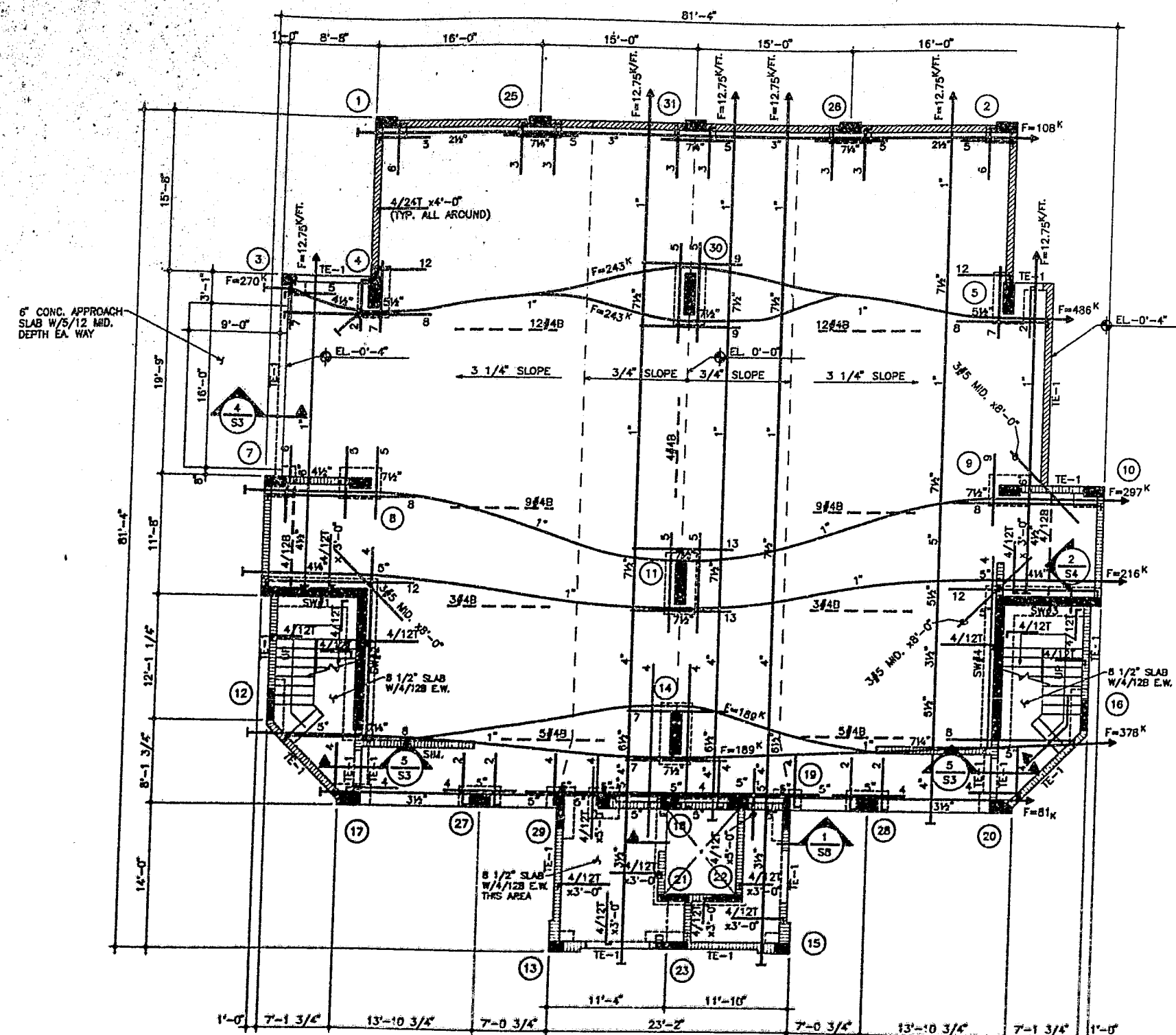
FILE No. C95-602

**AMERICAN CONSULTING ENGINEERS COUNCIL**

BAYPOINTE II

*Signature*  
MAR 08 1998

**S2**



GROUND FLOOR FRAMING PLAN  
SCALE 1/8"=1'-0"

FOUNDATION & GROUND FLOOR PLAN NOTES:

- FOR DIMENSIONS NOT SHOWN SEE ARCHITECTURAL DRAWINGS AND FOUNDATION PLAN.
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. FOR ADDITIONAL DIMENSIONAL AND SLOPE INFORMATION, SEE ARCHITECTURAL DRAWINGS.
- FLOOR SHALL BE 8-1/2" POST-TENSIONED CONCRETE SLAB, U.N.G. SEE S1 FOR DETAILS AND ADDITIONAL INFORMATION ON POST-TENSION SLAB.
- PROVIDE 2" S BOTTOM IN SLAB UNDER BLOCK PARTITION WALLS UNLESS OTHERWISE NOTED OR DETAILED.
- SEE DRAWING S7 SHEARWALL SCHEDULE.
- SEE DRAWING S1 FOR COLUMN & BEAM SCHEDULES AND STRUCTURAL NOTES.
- REINFORCING STEEL SIZE SHALL BE #4 TOP WHERE ONLY QUANTITY IS SHOWN ON PLAN. USE FACE OF HAUNCH WHEN CALCULATING LENGTH.
- POST-TENSION TENDONS, ANCHORS, ETC. SHALL BE ENCAPSULATED.
- CRANK TOP BARS AS REQUIRED AT SLAB STEPS. USE 1:8 SLOPE.
- TENDON PROFILES ARE INDICATED ON PLAN. DIMENSIONS SHOWN ARE FROM BOTTOM OF SLAB TO C.G. OF TENDON. PROFILES ARE NOT REFERENCED TO BOTTOM OF HAUNCHES UNLESS NOTED OTHERWISE.
- FORCES SHOWN ON PLAN ARE FINAL EFFECTIVE FORCES. SUPPLIER SHALL INCREASE TENDON FORCES AS REQUIRED TO ACCOUNT FOR LOSSES.
- PROVIDE 12" DEEP X 12" WIDE THICKENED SLAB ALL AROUND PERIMETER OF BUILDING WITH 1#5T, 2#5B U.N.G.
- PROVIDE 2 LAYERS OF 6 MIL POLYETHYLENE SHEETS BELOW SLAB.
- CENTERLINES OF COLUMNS AND PILE CAPS SHALL COINCIDE EXCEPT WHERE DIMENSIONED OTHERWISE.
- TOP OF PILE CAPS SHALL BE AT ELEVATION -2'-0" UNLESS SHOWN OTHERWISE THUS
- DETAILS OF PILE CAPS ARE SHOWN ON SHEET S5.
- ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS REFER TO +0'-0" REFERENCE ELEVATION ONLY.
- INDICATES INFILL MASONRY WALLS REINFORCED WITH 1#5 VERTICAL IN GROUT FILLED CELLS AT 48" O.C. AT CORNERS AND AT EACH SIDE OF OPENINGS. PROVIDE "DOVETAIL" ANCHORS AT COLUMNS FOR ALIGNMENT WITH HORIZONTAL JOINT REINFORCEMENT. SEE DETAIL ON DRAWING S5.
- INDICATES INFILL MASONRY WALLS REINFORCED WITH 1#5 VERTICAL IN GROUT FILLED CELLS AT 24".
- TE-1 INDICATES 24" DP x 8" WIDE THICKENED SLAB EDGE TO BEAR ON GRADE BEAM / PILECAP WITH 2#5 BOT. AND 1#5 TOP.

STEEL SYMBOLS

BAR SIZE  $\frac{1}{2}$ " T=TOP  
B=BOTTOM  
BAR SPACING C=C' E=E'  
BAR PLACEMENT

COLUMN SYMBOLS

○ INDICATES COLUMN BELOW  
○ INDICATES COLUMN THRU  
○ INDICATES COLUMN ABOVE

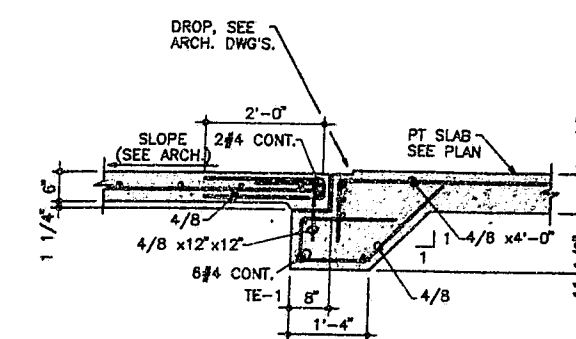
**JENKINS & CHARLAND**  
INCORPORATED  
Consulting Engineers

12381 Cleveland Avenue  
Suite 204  
Fort Myers, FL 33907  
(941) 939-1414 (941) 278-4288 FAX

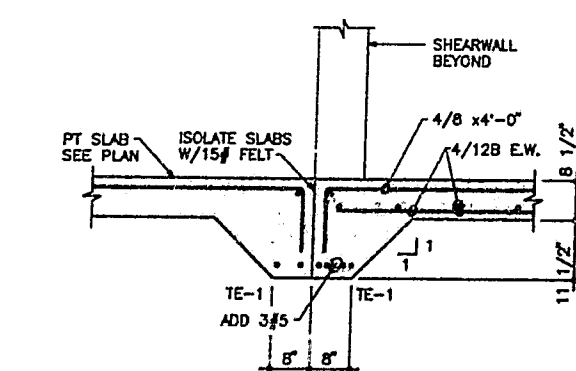
TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THESE PLANS COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES.

FILE NO. C95-602

AMERICAN CONSULTING  
ENGINEERS COUNCIL



SECTION 4  
SCALE: 1/2"=1'-0"



SECTION 5  
SCALE: 1/2"=1'-0"

BAYPOINTE II

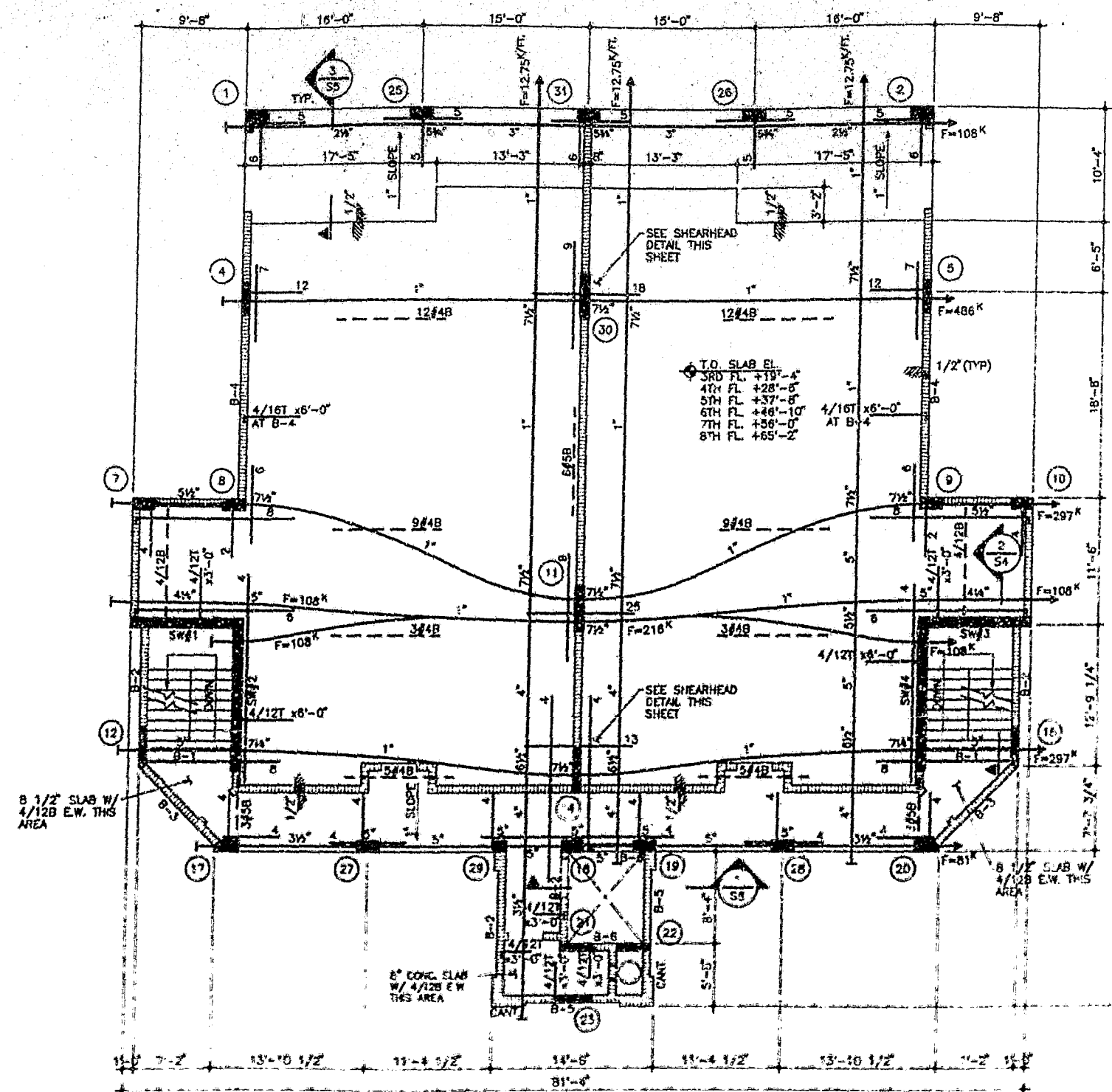
*Handwritten signature*  
MAR 8 8 1995

S3

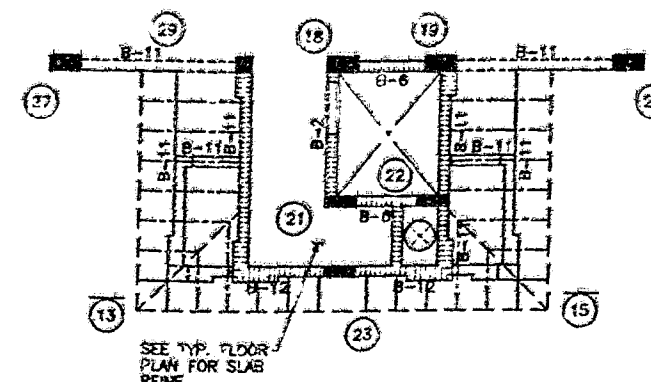








TYPICAL FLOOR FRAMING PLAN  
SCALE 1/8" = 1'-0"



PARTIAL 3RD FLOOR FRAMING PLAN  
SCALE 1/8" = 1'-0"

- NOTES:
- FRAMING SHALL BE PRE-ENGINEERED METAL ROOF TRUSSES @ 24" O.C. SEE ARCH. DRAWINGS FOR SLOPE.
  - SEE TYPICAL FLOOR FRAMING PLAN FOR INFORMATION NOT SHOWN.
  - PROVIDE 6"x6"x1/4" EMBED PLATE W/ (2) 1/2" x 4" LG. HEADED STUDS IN CONCRETE BEAM AT EACH METAL TRUSS.

#### TYPICAL FLOOR NOTES

- FOR DIMENSIONS NOT SHOWN SEE ARCHITECTURAL DRAWINGS AND FOUNDATION PLAN.
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. FOR ADDITIONAL DIMENSIONAL AND SLOPE INFORMATION, SEE ARCHITECTURAL DRAWINGS.
- FLOOR SHALL BE AN 8-1/2" POST-TENSIONED CONCRETE SLAB, UNO SEE S1 FOR DETAILS AND ADDITIONAL INFORMATION ON POST-TENSION SLAB.
- PROVIDE 1/4" BAR, TOP AND BOTTOM CONTINUOUS AT SLAB EDGES. TOP BAR TO BE EPOXY COATED.
- EXTERIOR WALKWAYS AND BALCONIES WHICH ARE TO REMAIN EXPOSED SHALL BE COATED WITH A WEATHER RESISTING SEALER, SEE STRUCTURAL NOTES.
- PROVIDE 2/5" BOTTOM IN SLAB UNDER BLOCK PARTITION WALLS UNLESS OTHERWISE NOTED ON DETAIL.
- INDICATES REINFORCING WALLS WHICH SHALL BE PLACED AFTER THE STRUCTURAL BEAMS ARE IN PLACE AND THE SHORING HAS BEEN REMOVED. REINFORCING WALLS SHALL BE REINFORCED WITH 1/2" VERT. #7 VERT. ABOVE 5TH FLOOR) IN GROUT FILLED CELLS AT 4'-0" O.C. AT CORNERS AND AT EACH END OF OPENINGS. PROVIDE "DOBE" ANCHORS AT COLLARS TOP ALIGNMENT WITH HORIZONTAL JOINT REINFORCEMENT. SEE DETAIL ON DRAWING S8.
- SEE DRAWING S7 SHEARWALL SCHEDULE.
- SEE DRAWING S1 FOR BEAM & COLUMN SCHEDULES AND STRUCTURAL NOTES.
- VERIFY ALL LOCATIONS OF OPENINGS IN SLAB PRIOR TO CONSTRUCTION. FOR SIZE AND LOCATION OF SLAB OPENINGS, SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
- REINFORCING STEEL SIZE SHALL BE #4 TOP WHERE ONLY QUANTITY IS SHOWN ON PLAN.
- POST-TENSION TENDONS, ANCHORS, ETC. SHALL BE ENCAPSULATED.
- TOP STEEL AT BALCONY SLABS WHICH SHALL REMAIN EXPOSED SHALL BE EPOXY COATED, SEE STRUCTURAL NOTES.
- CRANK TOP BARS AS REQUIRED AT SLAB STEPS. USE 1:6 SLOPE.
- TENDON PROFILES ARE INDICATED ON PLAN. DIMENSIONS SHOWN ARE FROM BOTTOM OF SLAB TO C.G. OF TENDON.
- FORCES SHOWN ON PLAN ARE FINAL EFFECTIVE FORCES, SUPPLIER SHALL INCREASE TENDON FORCES AS REQUIRED TO ACCOUNT FOR LOSSES.
- FOR SIZE AND LOCATION OF OPENINGS SEE MECHANICAL AND ARCHITECTURAL DRAWINGS.

#### STEEL SYMBOLS

8/16T = 8/16T  
BAR SIZE  
BAR SPACING  
BAR PLACEMENT

#### COLUMN SYMBOLS

○ — INDICATES COLUMN BELOW  
○ — INDICATES COLUMN THRU  
○ — INDICATES COLUMN ABOVE

**JENKINS & CHARLAND**  
INCORPORATED  
Consulting Engineers

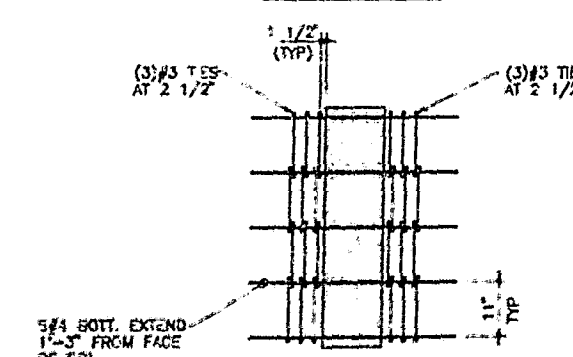
12381 Cleveland Avenue  
Suite 204  
Fort Myers, FL 33907  
(941) 938-1414 (941) 278-4283 FAX

"TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THESE PLANS COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES."

FILE No CS5-602

SECTION 3  
SCALE 1/2" = 1'-0"

TIES HOOK AROUND TOP BARS SHOWN ON PLAN  
4 TIES  
5 ADDED BOTTOM BARS  
TIE DETAILS

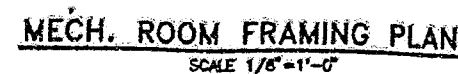


#### SHEARHEAD DETAIL AT COLS. 11 & 30

- NOTES:
- USE #3 TIES WITH 135° HOOKS 4 1/2" LG.
  - SEE PLAN FOR SLAB THICKNESS.
  - ORIENT SHEAR HEAD STEEL IN DIRECTION OF REINFORCING AS INDICATED ON PLAN.

BAYPOINT II

S5



## HIGH ROOF FRAMING PLAN

S6

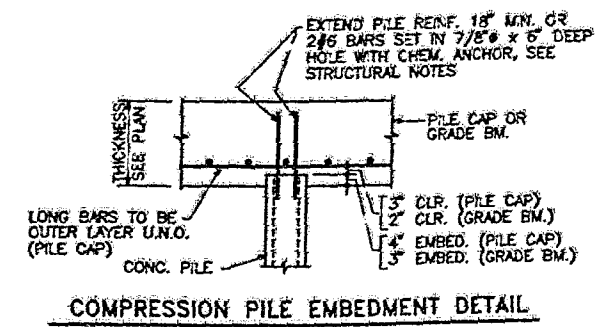
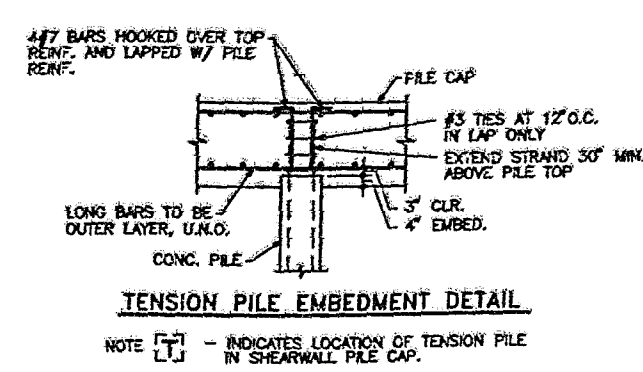
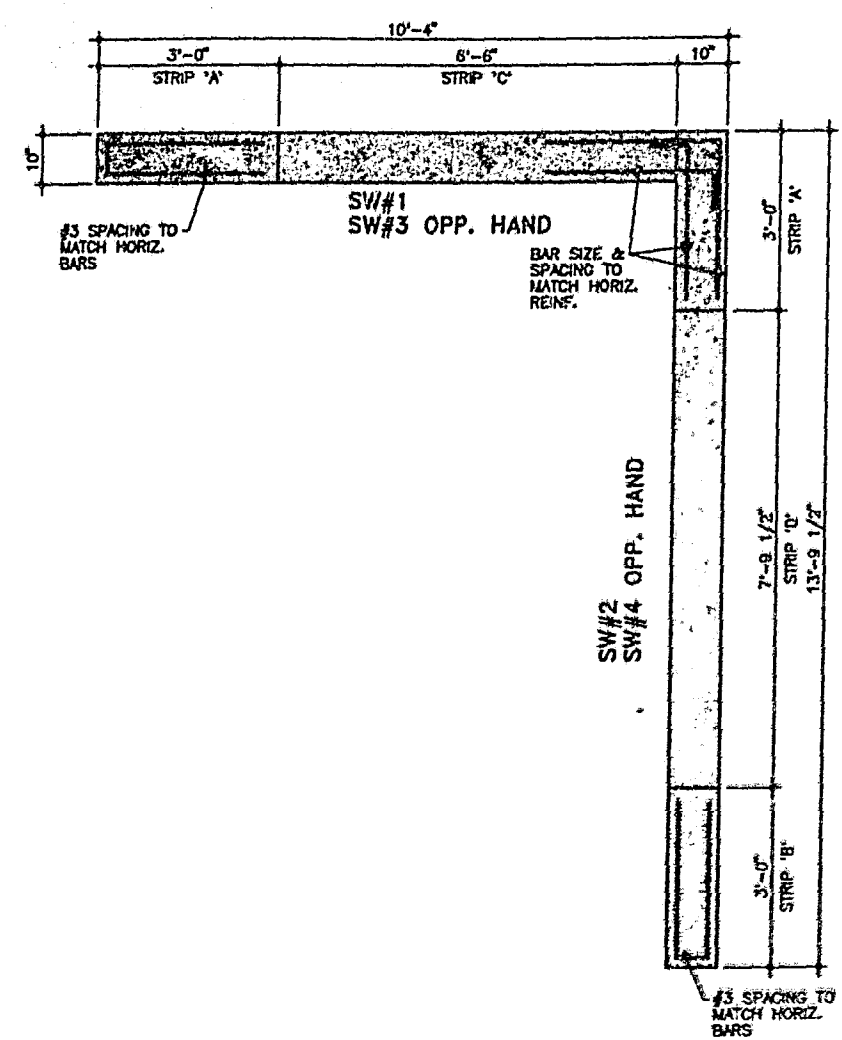
FILE NAME: \CAM\CAM-502\002-PLAN.DWG  
PLOT CREATED: 03/08/98 12:38 PM



# SHEARWALL SCHEDULE

FLOOR	CONC. STRENGTH	4/16	4/18	4/10
ROOF EL.+74'-4"	4000 PSI	0/0	0/0	0/0
9TH FLOOR EL.+55'-2"	4000 PSI	0/0	0/0	0/0
7TH FLOOR EL.+56'-0"	4000 PSI	0/0	0/0	0/0
6TH FLOOR EL.+48'-10"	4000 PSI	12/0	0/0	0/0
5TH FLOOR EL.+37'-8"	4000 PSI	14/7	0/7	0/0
4TH FLOOR EL.+28'-6"	4000 PSI	14/0	0/0	0/0
3RD FLOOR EL.+19'-4"	4000 PSI	14/10	12/0	0/0
2ND FLOOR EL.+10'-2"	4000 PSI	14/11	16/0	0/0
T.O. PILE CAP EL.-1'-4" (UNO)	4000 PSI	4/18	4/18	4/18
		STRIP 'A' VERT.	STRIP 'B' VERT.	HORIZ.

- NOTES:
- ALL LAPS SHALL BE CLASS "B"
  - STEEL IN STRIPS 'A' & 'B' SHALL BE 1/2 EACH FACE.
  - HORIZONTAL BARS ARE OUTSIDE LAYER. VERTIL BARS ARE INSIDE LAYER.



STEEL SYMBOLS

BAR SIZE 4/12T  
BAR SPACING 12"  
BAR PLACEMENT T=TOP, B=BOTTOM, C=CL, E=E

JENKINS & CHARLAND  
INCORPORATED  
Consulting Engineers

12381 Cleveland Avenue  
Suite 204  
Fort Myers, FL 33907  
(941) 839-1414 (941) 278-4289 FAX

TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THESE PLANS COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES.

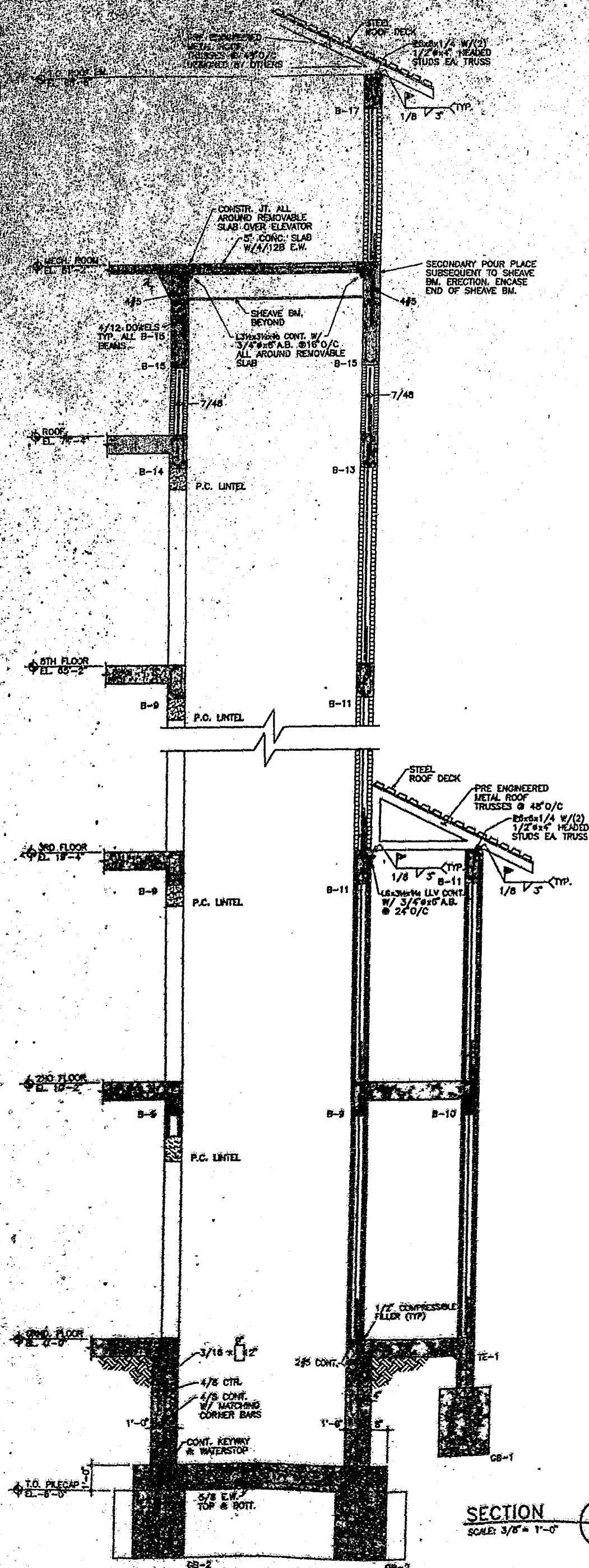
FILE No. C95-602

DRAWN GHS  
COMPL. NO.  
DATE 03/09/98  
REVISIONS

BAYPOINTE II

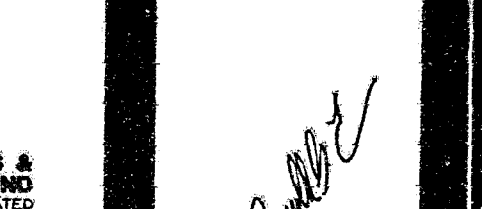
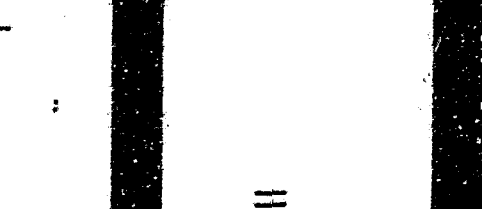
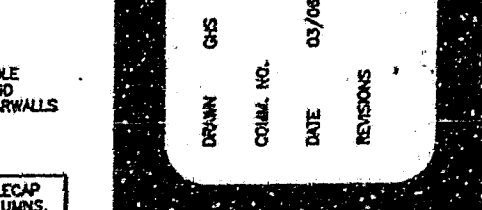
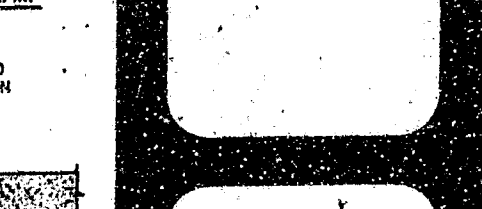
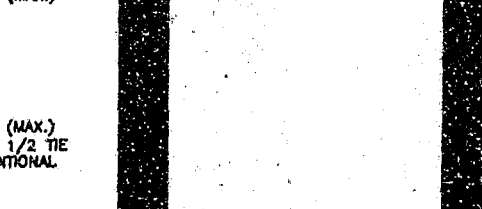
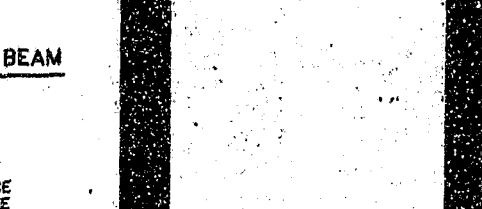
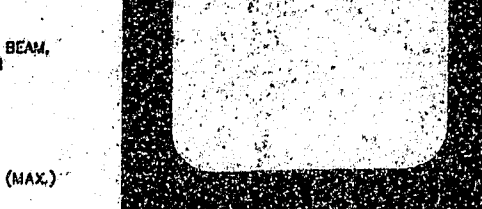
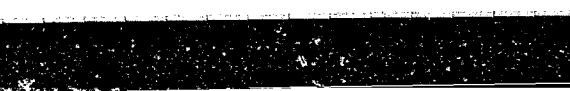
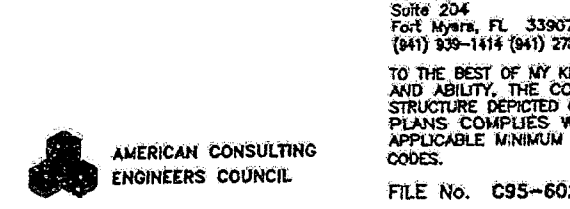
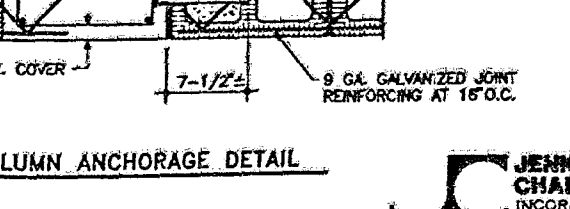
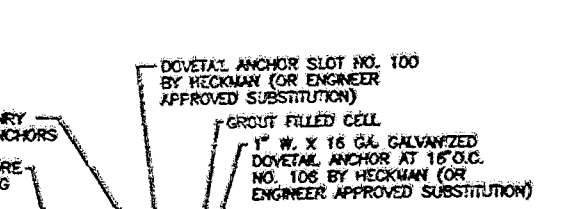
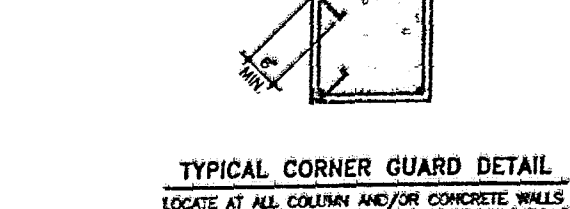
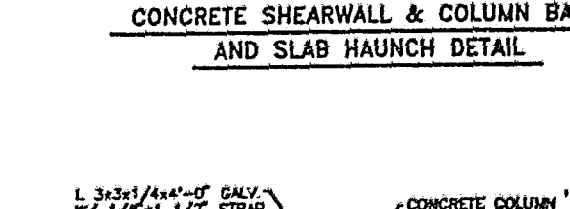
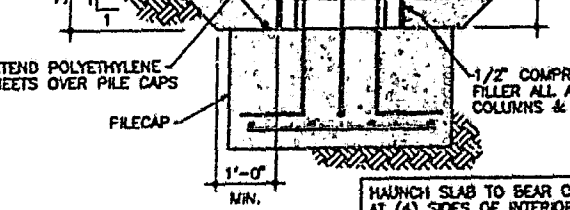
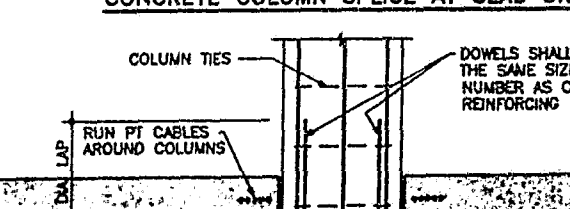
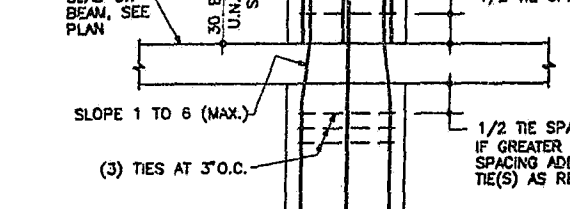
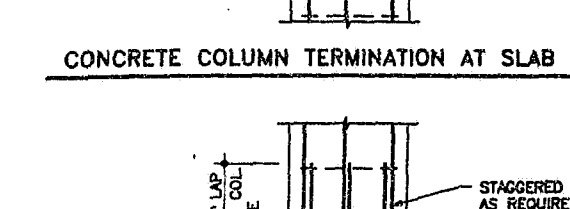
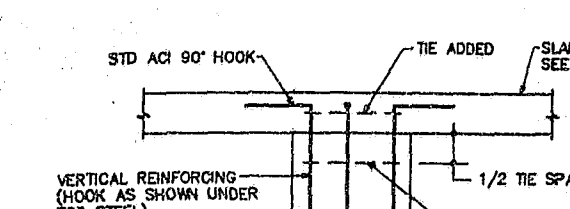
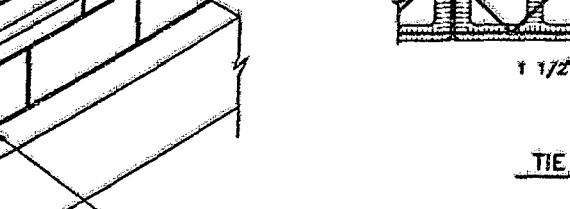
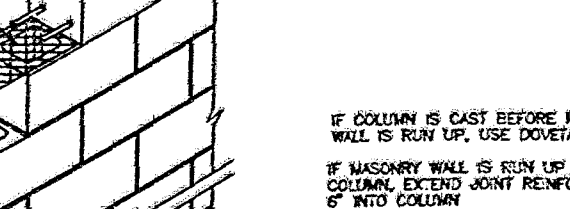
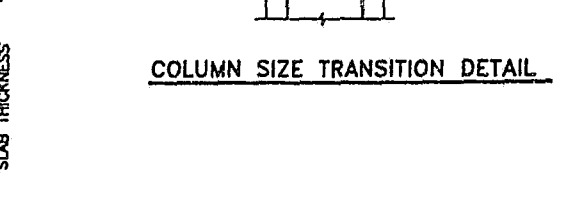
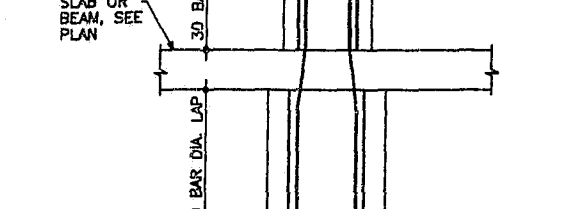
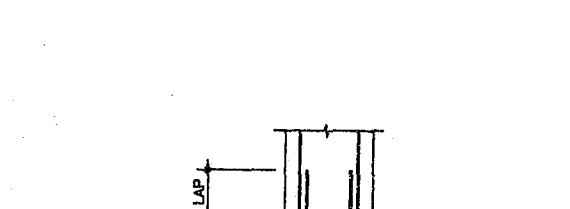
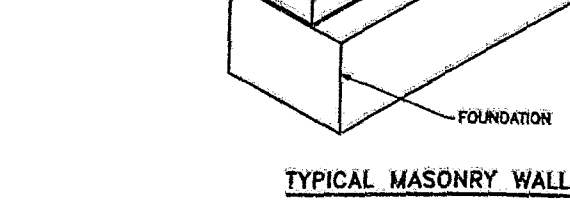
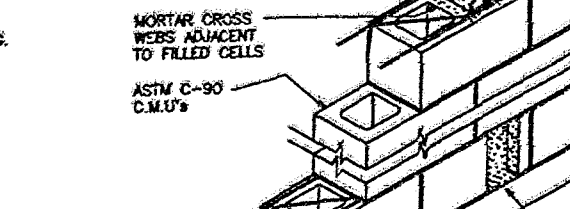
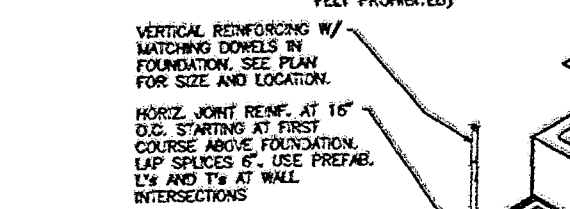
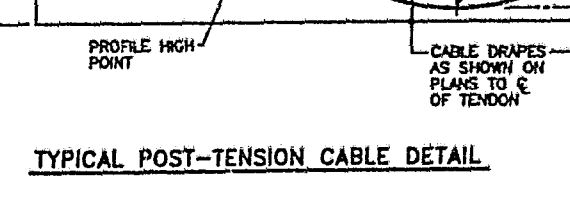
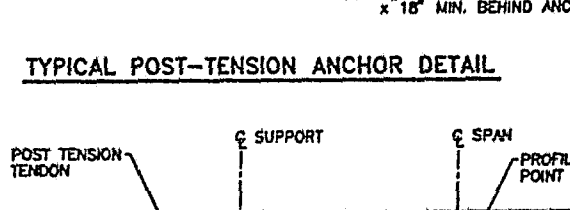
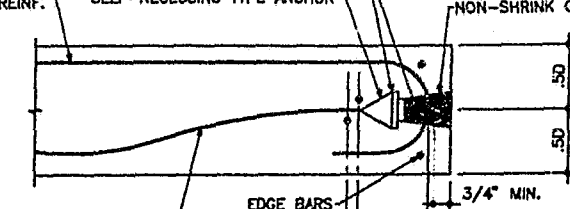
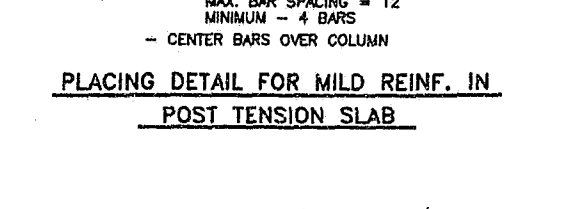
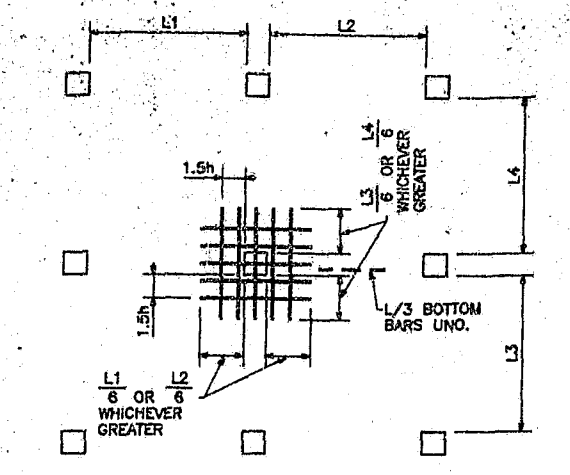
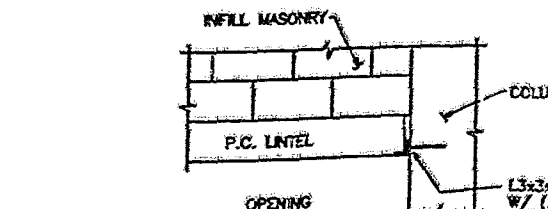
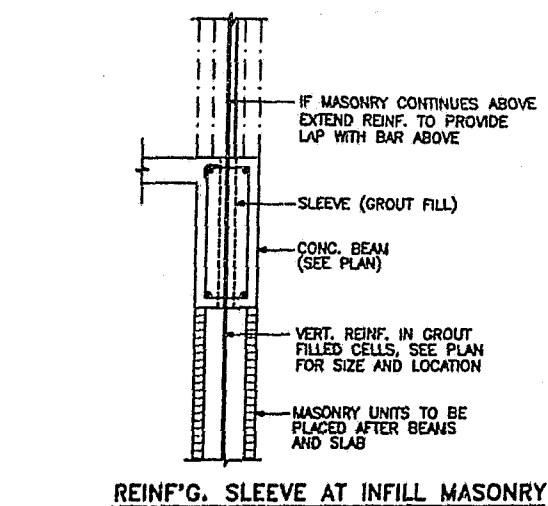
S7





**TYPICAL REINFORCEMENT AT SLAB OPENING**

1. OMIT ADDED BARS AT OPENINGS OF 10' OR LESS AND RUN NORMAL REINFORCING BY SIDE OF OPENING.
2. HOOK BARS AT AFFECTED ENDS WHERE BARS CANNOT BE EXTENDED PAST OPENING.
3. OPENINGS SHALL BE SHOWN ON THE STEEL PLACING DRAWINGS AND REINFORCED ACCORDINGLY.



DRAWN GHS  
 COMD. NO.  
 DATE 03/06/98  
 REVISIONS

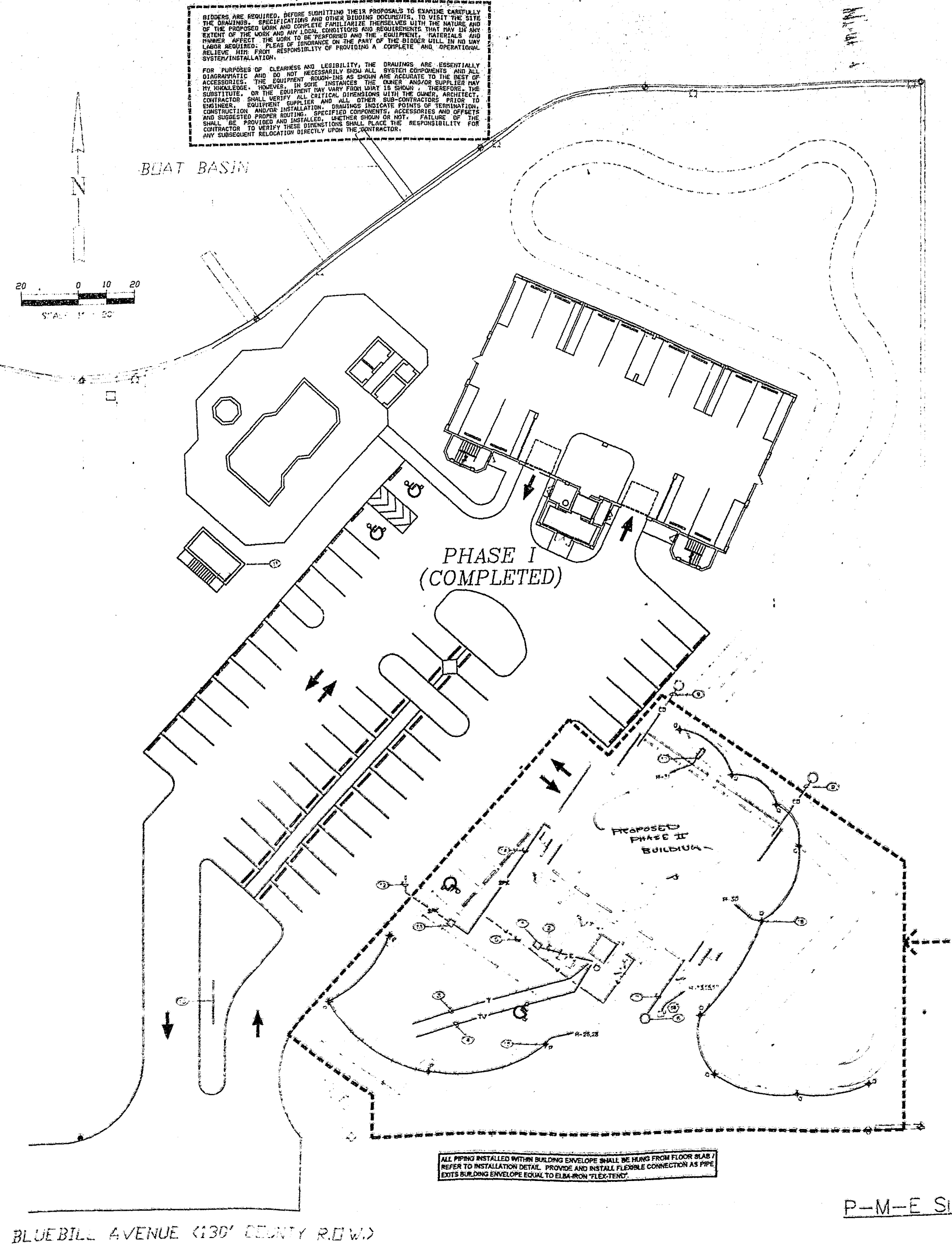
BAYPOINTE II

AMERICAN CONSULTING ENGINEERS COUNCIL

FILE NO. C95-602

S8





**SITE PLAN NOTES:**

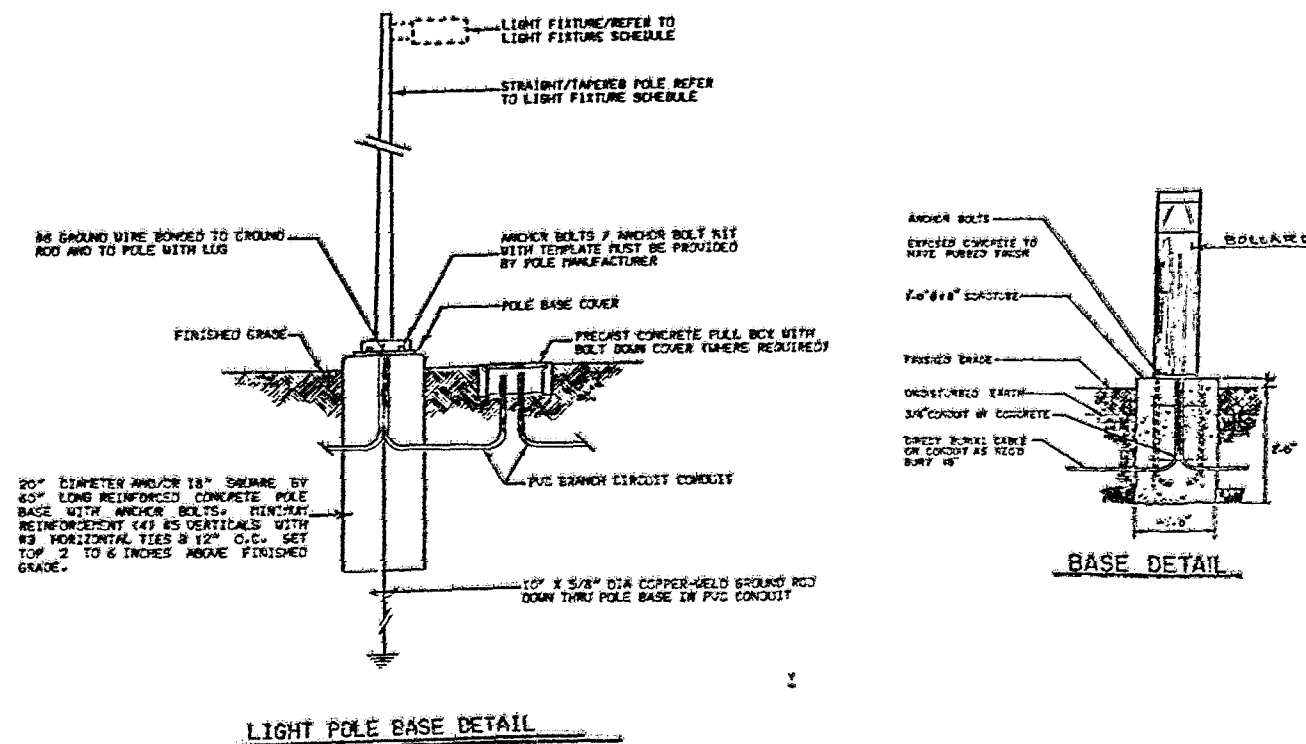
**NOTE:**

DESCRIPTIVE LETTER "P" (POINT OF SERVICE) AS USED IN THESE NOTES IS REPRESENTATIVE OF THE POINT WHERE THE SITE UTILITY CONTRACTORS WORK STOPS AND THE PLUMBING, MECHANICAL AND ELECTRICAL CONTRACTORS WORK STARTS. THE GENERAL CONTRACTOR AND ALL SUB CONTRACTORS SHALL VERIFY AND COORDINATE POINTS OF CONNECTION, TYPES OF CONNECTIONS AND RISERS.

DESCRIPTIVE LETTER "M" AS USED IN THESE NOTES IS REPRESENTATIVE OF THE PLUMBING - MECHANICAL - ELECTRICAL SYSTEMS INSTALLED BY THE SITE UTILITY CONTRACTOR.

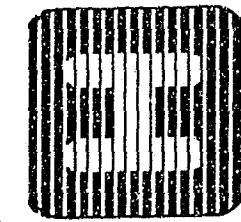
DESCRIPTIVE LETTER "E" AS USED IN THESE NOTES IS REPRESENTATIVE OF EXISTING SERVICES ON SITE.

1. PAD MOUNTED TRANSFORMER AND CONCRETE PAD BY FLORIDA POWER AND LIGHT (120-200V/480V/60V) THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH FLORIDA POWER AND LIGHT REGARDING TRANSFORMER SIZING, VOLTAGE, LOCATION AND INSTALLATION REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS AS REQUIRED. TO PROVIDE A COMPLETE INSTALLATION, ALL PERMIT FEES SHALL BE PAID FOR BY OWNER. THE ELECTRICAL CONTRACTOR SHALL BASE BID PRICE ON DESIGNS AND LOCATIONS SHOWN WITH A PRICE PER FOOT TO EXTEND SERVICE TO AN ALTERNATE LOCATION.
2. SERVICE ENTRANCE CONDUIT/REFER SINGLE LINE RISER DIAGRAM FOR WIRING REQUIREMENTS.
3. EXISTING TELEPHONE CONDUIT SYSTEM FROM UTILITY TERMINAL PEDESTAL TO PROPOSED BUILDING INSTALLED IN PHASE 1 CONSTRUCTION. THE ELECTRICAL CONTRACTOR/GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY EXISTING CONDUIT SIZES AND LOCATIONS WITH UTILITY AND IN FIELD PRIOR TO START OF CONSTRUCTION. EXTENT (2) 2" CONDUITS TO TELEPHONE SERVICE ENTRANCE ON 2ND FLOOR EQUIPMENT ROOM.
4. EXISTING CABLE T.V. CONDUIT SYSTEM FROM CATV TERMINAL PEDESTAL TO PROPOSED BUILDING INSTALLED IN PHASE 1 CONSTRUCTION. THE ELECTRICAL CONTRACTOR/GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY EXISTING CONDUIT SIZES AND LOCATIONS WITH LOCAL CATV CO AND IN FIELD PRIOR TO START OF CONSTRUCTION. EXTENT (1) 2" CONDUIT TO CATV SERVICE ENTRANCE ON 2ND FLOOR.
5. EXISTING DOMESTIC WATER SUPPLY PIPE INSTALLED IN PHASE 1 CONSTRUCTION. FIELD LOCATE. THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS REQUIRED TO EXTEND AND COMPLETE THE DOMESTIC WATER PIPING SYSTEM FROM DOMESTIC WATER TAP TO AND THROUGHOUT BUILDING, INCLUDING ALL METERS, METER PITS, VALVES, ECT. THE PLUMBING CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR THE INSTALLATION. COORDINATE INSTALLATION WITH LOCAL WATER UTILITY DEPARTMENT.
6. SEWAGE EJECTION SYSTEM BY SITE CIVIL. REFER TO SITE CIVIL PLANS.
7. SANITARY SEWER SYSTEM. THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE SANITARY SEWER SYSTEM INCLUDING PIPING, CLEANOUTS, TRENCHING, ETC. FROM ALL BUILDING FIXTURES TO SITE SEWAGE EJECTION SYSTEM. THE PLUMBING CONTRACTOR AND GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION, PIPE SIZES AND PIPE INVERTS WITH SITE UTILITY CONTRACTOR AND SITE UTILITY DRAWINGS PRIOR TO START OF CONSTRUCTION. THE PLUMBING CONTRACTOR SHALL MAKE ALL CONNECTIONS. THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL FLEXIBLE CONNECTIONS TO ALL BELOW GRADE SANITARY SEWER PIPING AS IT EXITS BUILDING FLOOR SLAB. JOINTS EQUAL TO ELBA-IRON "FLEX-TEND".
8. HOSE BIBB: EXTEND 3/4" CU PIPING FROM HOSE BIBB LOCATION TO NEAREST DOMESTIC WATER SUPPLY PIPING (TYPICAL). REFER TO SERIES DRAWINGS FOR ADDITIONAL REQUIREMENTS.
9. CONDENSATE DRAINAGE SYSTEM: THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE CONDENSATE DRAINAGE SYSTEM FROM ALL AIR HANDLERS THRU BUILDING TO FRENCH DRAIN AS SHOWN. THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL FLEXIBLE CONNECTIONS TO ALL BELOW GRADE CONDENSATE DRAIN PIPING AS IT EXITS BUILDING FLOOR SLAB. JOINTS EQUAL TO ELBA-IRON "FLEX-TEND".
10. FIRE PROTECTION METER/BACKFLOW PREVENTER BY OTHERS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO SITE UTILITY DRAWING.
11. PUMPHOUSE. FIRE PUMP AND DISTRIBUTION SYSTEM INSTALLED IN PHASE 1 CONSTRUCTION.
12. EXISTING FIRE SPRINKLER WATER SUPPLY PIPE INSTALLED IN PHASE 1 CONSTRUCTION. FIELD LOCATE.
13. SPRINKLER SYSTEM PORT INDICATOR, CHECK VALVE AND FIRE DEPARTMENT CONNECTION. REFER TO SHEET FP-1 FOR ADDITIONAL INSTALLATION DETAILS.
14. FIRE PROTECTION/SPRINKLER SYSTEM PIPING. REFER TO FIRE PROTECTION SPECIFICATION FOR PIPING MATERIALS AND INSTALLATION REQUIREMENTS.
15. POLE AND POLE MOUNTED LIGHT FIXTURE MATCH EXISTING SITE FIXTURES. THE GENERAL CONTRACTOR SHALL PROVIDE CONCRETE BASES AS DETAIL. COORDINATE INSTALLATION OF BASES WITH E.C. AND LIGHT FIXTURE MANUFACTURER. THE E.C. SHALL PROVIDE POWER TO ALL FIXTURES AS SHOWN. TYPICAL ALL LOCATIONS. FIXTURES PHOTOCELL CONTROLLED UNLESS NOTES OTHERWISE.
16. BOLLARD LIGHTING/REFER TO FIXTURE SCHEDULE FOR DESCRIPTION MATCH EXISTING SITE FIXTURES. THE GENERAL CONTRACTOR SHALL PROVIDE CONCRETE BASES COORDINATE THE INSTALLATIONS WITH THE ELECTRICAL CONTRACTOR AND LIGHT FIXTURE MANUFACTURER.
17. PROVIDE AND INSTALL WEATHER PROOF NON-CONDUCTIVE JUNCTION BOX AND POWER WIRING AS SHOWN FOR SIGN. (BP25D.DOC / SPN)



**DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS**

3255 NORTH TAMPAH TRAIL SUITE 202  
TAMPA, FLORIDA 33610-0113 434-2987

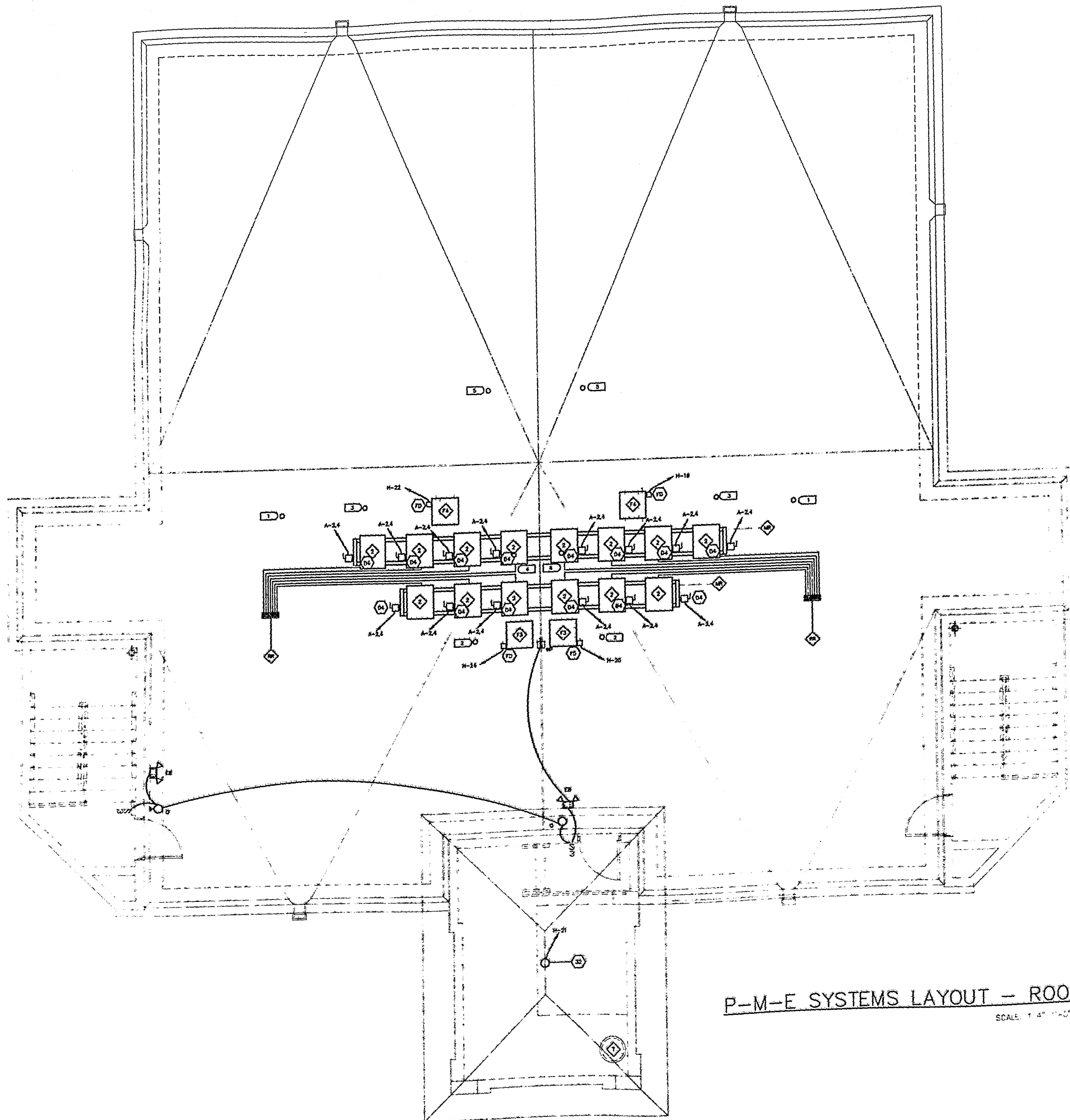


**BAYPOINT CONDOMINIUM  
PHASE TWO**

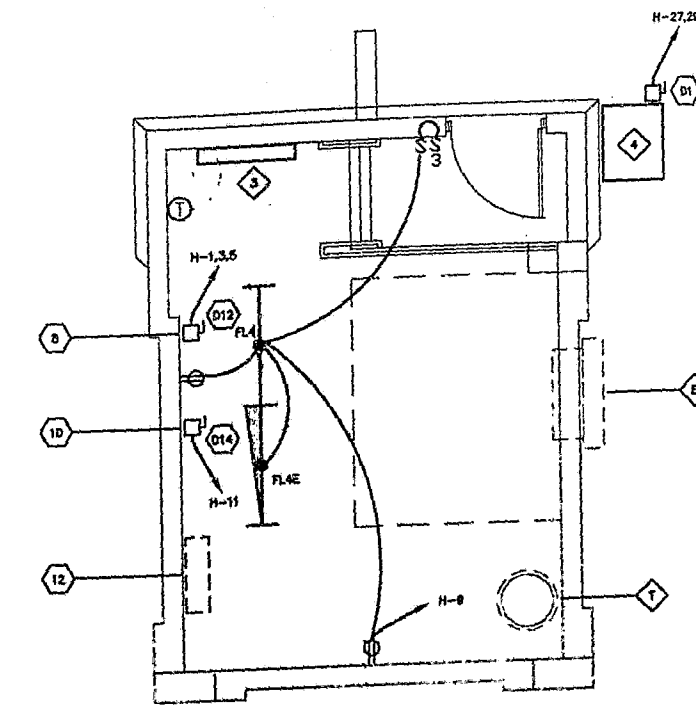
**P-M-E  
SITE PLAN**

**ME-1**

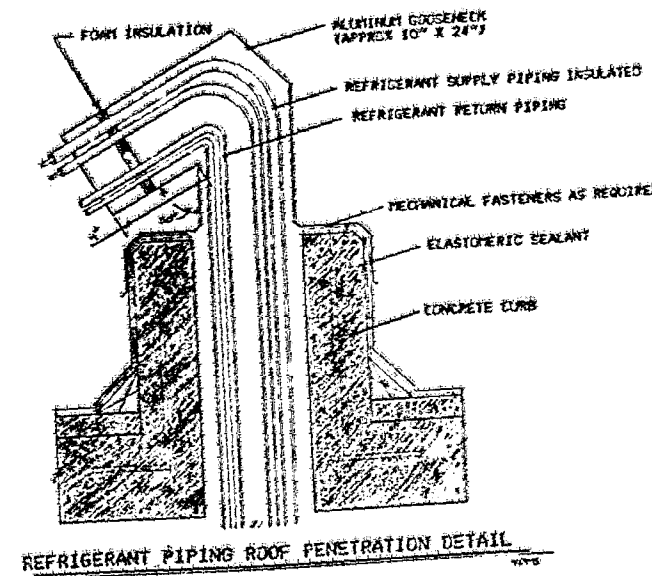
*Handwritten signature and date: 3-20-96*



P-M-E SYSTEMS LAYOUT - ROOF  
SCALE: 1/4" = 1'-0"



PART PLAN  
ELEVATOR EQUIPMENT ROOM  
SCALE: 1/4" = 1'-0"

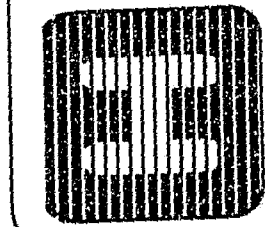


REFRIGERANT PIPING ROOF PENETRATION DETAIL

DESIGN FIRM  
SEN-APR ENGINEERING  
8320 TRAIL BLVD N.  
NAPLES, FL 34109  
CERT# DATE NO. EBO004450

CONTRACT NO.  
3-12-96  
3-12-96  
3-12-96

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS



3255 NORTH TAMAMI TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987

DRAWN: RES/TEH  
COMM. NO.  
DATE: 3-12-96  
REVISIONS

BAYPOINT CONDOMINIUM  
PHASE TWO

P-M-E SYSTEMS LAYOUT  
ROOF

ME-2



**System No. CAJ2092**  
**F Rating—3 Hr**  
**T Rating—3 Hr**  
**L Rating At Ambient—Less Than 1 CFM/sq ft**  
**L Rating At 400 F—Less Than 1 CFM/sq ft**

**1. Floor or Wall Assembly**—Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Block. Max clear of opening is 16 in.

**2. Through Penetration**—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

- A. Polyvinyl Chloride (PVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- B. Rigid Nonmetallic Conduit—Nom 1 in. diam (or smaller) Schedule 40 or 80 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NEC) No. 70.
- C. Chlorinated Polyvinyl Chloride (CPVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- D. Asbestos-free Fiberglass Systems (AFS) Pipe—Nom 1 in. diam (or smaller) Schedule 40 AFS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- E. Polypropylene (PP) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- F. Fire Resistant Polyethylene (FRPE) Pipe—Nom 1 in. diam (or smaller) Schedule 40 FRPE pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

**3. Firestop System**—The firestop system shall consist of the following:

- A. FR, Vold or Convey Material—Cast—Min 1/2 in. thick of FR material applied within the concrete floor or wall and both surfaces of the floor or wall. After the installation of the wrap strip/seal collar assembly from Nos. 3B and 3C, additional cast FR applied within the void between the wrap strip/seal collar and steel collar to max extent possible.
- B. FR, Vold or Convey Material—Wrap—Strip—Nom 1/4 in. thick, 100 MSQ galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.
- C. Steel Collar—Collar fabricated from steel of grade 0.018 in. thick (30 MSQ) galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.

**Approved by the UL Listing Mark**  
**Noting the UL Classification Marking**

**System No. CAJ2094**  
**F Rating—3 Hr**  
**T Rating—3 Hr**  
**L Rating At Ambient—Less Than 1 CFM/sq ft**  
**L Rating At 400 F—Less Than 1 CFM/sq ft**

**1. Floor or Wall Assembly**—Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Block. Max clear of opening is 16 in.

**2. Through Penetration**—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

- A. Polyvinyl Chloride (PVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- B. Rigid Nonmetallic Conduit—Nom 1 in. diam (or smaller) Schedule 40 or 80 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NEC) No. 70.
- C. Chlorinated Polyvinyl Chloride (CPVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- D. Asbestos-free Fiberglass Systems (AFS) Pipe—Nom 1 in. diam (or smaller) Schedule 40 AFS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- E. Polypropylene (PP) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- F. Fire Resistant Polyethylene (FRPE) Pipe—Nom 1 in. diam (or smaller) Schedule 40 FRPE pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

**3. Firestop System**—The firestop system shall consist of the following:

- A. FR, Vold or Convey Material—Cast—Min 1/2 in. thick of FR material applied within the concrete floor or wall and both surfaces of the floor or wall. After the installation of the wrap strip/seal collar assembly from Nos. 3B and 3C, additional cast FR applied within the void between the wrap strip/seal collar and steel collar to max extent possible.
- B. FR, Vold or Convey Material—Wrap—Strip—Nom 1/4 in. thick, 100 MSQ galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.
- C. Steel Collar—Collar fabricated from steel of grade 0.018 in. thick (30 MSQ) galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.

**Approved by the UL Listing Mark**  
**Noting the UL Classification Marking**

**System No. WL2058**  
**F Rating—1 and 2 Hr (See Item 1 and 3B)**  
**T Rating—1, 2, 3 and 4 Hr (See Item 3B)**  
**L Rating At Ambient—1 CFM/sq ft**  
**L Rating At 400 F—Less Than 1 CFM/sq ft**

**1. Floor or Wall Assembly**—The 1 or 2 hr fire rated system wallboard/steel wall assembly shall be constructed of the materials and in the manner specified in the individual U200 and U400 Series Wall and Partition Details in the UL Fire Resistance Directory and shall include the following construction features:

- A. Steel—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
- B. Wallboard, Gypsum—3/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of joints, fastener type and sheet orientation shall be as specified in the individual U200 or U400 Series Details in the UL Fire Resistance Directory. Max clear of opening is 16 in.
- C. Through Penetration—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

**2. Through Penetration**—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

- A. Polyvinyl Chloride (PVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- B. Rigid Nonmetallic Conduit—Nom 1 in. diam (or smaller) Schedule 40 or 80 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NEC) No. 70.
- C. Chlorinated Polyvinyl Chloride (CPVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- D. Asbestos-free Fiberglass Systems (AFS) Pipe—Nom 1 in. diam (or smaller) Schedule 40 AFS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- E. Polypropylene (PP) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- F. Fire Resistant Polyethylene (FRPE) Pipe—Nom 1 in. diam (or smaller) Schedule 40 FRPE pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

**3. Firestop System**—The firestop system shall consist of the following:

- A. FR, Vold or Convey Material—Cast—Min 1/2 in. thick of FR material applied within the concrete floor or wall and both surfaces of the floor or wall. After the installation of the wrap strip/seal collar assembly from Nos. 3B and 3C, additional cast FR applied within the void between the wrap strip/seal collar and steel collar to max extent possible.
- B. FR, Vold or Convey Material—Wrap—Strip—Nom 1/4 in. thick, 100 MSQ galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.
- C. Steel Collar—Collar fabricated from steel of grade 0.018 in. thick (30 MSQ) galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.

**Approved by the UL Listing Mark**  
**Noting the UL Classification Marking**

**System No. WL2048**  
**F Rating—1 and 2 Hr (See Item 1B)**  
**T Rating—1 and 2 Hr (See Item 1B)**  
**L Rating At Ambient—Less Than 1 CFM/sq ft**  
**L Rating At 400 F—Less Than 1 CFM/sq ft**

**1. Floor or Wall Assembly**—The 1 or 2 hr fire rated system wallboard/steel wall assembly shall be constructed of the materials and in the manner specified in the individual U200 and U400 Series Wall and Partition Details in the UL Fire Resistance Directory and shall include the following construction features:

- A. Steel—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
- B. Wallboard, Gypsum—3/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of joints, fastener type and sheet orientation shall be as specified in the individual U200 or U400 Series Details in the UL Fire Resistance Directory. Max clear of opening is 16 in.
- C. Through Penetration—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

**2. Through Penetration**—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

- A. Polyvinyl Chloride (PVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- B. Rigid Nonmetallic Conduit—Nom 1 in. diam (or smaller) Schedule 40 or 80 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NEC) No. 70.
- C. Chlorinated Polyvinyl Chloride (CPVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- D. Asbestos-free Fiberglass Systems (AFS) Pipe—Nom 1 in. diam (or smaller) Schedule 40 AFS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- E. Polypropylene (PP) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- F. Fire Resistant Polyethylene (FRPE) Pipe—Nom 1 in. diam (or smaller) Schedule 40 FRPE pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

**3. Firestop System**—The firestop system shall consist of the following:

- A. FR, Vold or Convey Material—Cast—Min 1/2 in. thick of FR material applied within the concrete floor or wall and both surfaces of the floor or wall. After the installation of the wrap strip/seal collar assembly from Nos. 3B and 3C, additional cast FR applied within the void between the wrap strip/seal collar and steel collar to max extent possible.
- B. FR, Vold or Convey Material—Wrap—Strip—Nom 1/4 in. thick, 100 MSQ galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.
- C. Steel Collar—Collar fabricated from steel of grade 0.018 in. thick (30 MSQ) galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.

**Approved by the UL Listing Mark**  
**Noting the UL Classification Marking**

**System No. WL2048**  
**F Rating—1 and 2 Hr (See Item 1B)**  
**T Rating—1 and 2 Hr (See Item 1B)**  
**L Rating At Ambient—Less Than 1 CFM/sq ft**  
**L Rating At 400 F—Less Than 1 CFM/sq ft**

**1. Floor or Wall Assembly**—The 1 or 2 hr fire rated system wallboard/steel wall assembly shall be constructed of the materials and in the manner specified in the individual U200 and U400 Series Wall and Partition Details in the UL Fire Resistance Directory and shall include the following construction features:

- A. Steel—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
- B. Wallboard, Gypsum—3/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of joints, fastener type and sheet orientation shall be as specified in the individual U200 or U400 Series Details in the UL Fire Resistance Directory. Max clear of opening is 16 in.
- C. Through Penetration—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

**2. Through Penetration**—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

- A. Polyvinyl Chloride (PVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- B. Rigid Nonmetallic Conduit—Nom 1 in. diam (or smaller) Schedule 40 or 80 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NEC) No. 70.
- C. Chlorinated Polyvinyl Chloride (CPVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- D. Asbestos-free Fiberglass Systems (AFS) Pipe—Nom 1 in. diam (or smaller) Schedule 40 AFS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- E. Polypropylene (PP) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- F. Fire Resistant Polyethylene (FRPE) Pipe—Nom 1 in. diam (or smaller) Schedule 40 FRPE pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

**3. Firestop System**—The firestop system shall consist of the following:

- A. FR, Vold or Convey Material—Cast—Min 1/2 in. thick of FR material applied within the concrete floor or wall and both surfaces of the floor or wall. After the installation of the wrap strip/seal collar assembly from Nos. 3B and 3C, additional cast FR applied within the void between the wrap strip/seal collar and steel collar to max extent possible.
- B. FR, Vold or Convey Material—Wrap—Strip—Nom 1/4 in. thick, 100 MSQ galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.
- C. Steel Collar—Collar fabricated from steel of grade 0.018 in. thick (30 MSQ) galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.

**Approved by the UL Listing Mark**  
**Noting the UL Classification Marking**

**System No. CAJ2083**  
**F Rating—2 and 3 Hr (See Item 2)**  
**T Rating—2 and 3 Hr (See Item 2)**  
**L Rating At Ambient—1 CFM/sq ft**  
**L Rating At 400 F—Less Than 1 CFM/sq ft**

**1. Floor or Wall Assembly**—The 2 or 3 hr fire rated system wallboard/steel wall assembly shall be constructed of the materials and in the manner specified in the individual U200 and U400 Series Wall and Partition Details in the UL Fire Resistance Directory and shall include the following construction features:

- A. Steel—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
- B. Wallboard, Gypsum—3/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of joints, fastener type and sheet orientation shall be as specified in the individual U200 or U400 Series Details in the UL Fire Resistance Directory. Max clear of opening is 16 in.
- C. Through Penetration—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

**2. Through Penetration**—One noncombustible pipe or conduit to be installed within the firestop system. A non-combustible space of 1/4 in. is required within the firestop system. Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of noncombustible pipes or conduits may be used:

- A. Polyvinyl Chloride (PVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- B. Rigid Nonmetallic Conduit—Nom 1 in. diam (or smaller) Schedule 40 or 80 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NEC) No. 70.
- C. Chlorinated Polyvinyl Chloride (CPVC) Pipe—Nom 1 in. diam (or smaller) Schedule 40 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- D. Asbestos-free Fiberglass Systems (AFS) Pipe—Nom 1 in. diam (or smaller) Schedule 40 AFS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- E. Polypropylene (PP) Pipe—Nom 1 in. diam (or smaller) Schedule 40 PP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- F. Fire Resistant Polyethylene (FRPE) Pipe—Nom 1 in. diam (or smaller) Schedule 40 FRPE pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

**3. Firestop System**—The firestop system shall consist of the following:

- A. FR, Vold or Convey Material—Cast—Min 1/2 in. thick of FR material applied within the concrete floor or wall and both surfaces of the floor or wall. After the installation of the wrap strip/seal collar assembly from Nos. 3B and 3C, additional cast FR applied within the void between the wrap strip/seal collar and steel collar to max extent possible.
- B. FR, Vold or Convey Material—Wrap—Strip—Nom 1/4 in. thick, 100 MSQ galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.
- C. Steel Collar—Collar fabricated from steel of grade 0.018 in. thick (30 MSQ) galy sheet steel available from wrap strip manufacturer. Collar shall be nom 2 in. deep with min 1 in. wide by 2 in. long anchor tabs for securement to the concrete floor or wall. Retainer tabs, 2/4 in. wide tapering down to 1/4 in. wide and located opposite the anchor tabs, are folded 90 degrees toward pipe surface to maintain the anchor tabs around the pipe and to retain the wrap strip. Steel collar wrapped around wrap strip and pipe with a 1 in. wide overlap along its perimeter joint and secured together by means of three No. 8 in. long steel screws. Collar covered to concrete with min 1/4 in. by 1/4 in. diam steel anchor tabs. In floor assembly, one collar is used on the bottom side of the concrete floor. In wall assembly, 2 collar is used on each side of the concrete wall.

**Approved by the UL Listing Mark**  
**Noting the UL Classification Marking**

**FIRESTOPPING SPECIFICATION**

**SUMMARY**

THROUGH PENETRATION FIRE STOPPING AND SMOKE-STOPPING FOR ALL FIRE RATED BEARING AND NON-BEARING WALL AND FLOOR ASSEMBLIES, BOTH BLANK (EMPTY) AND THOSE ACCOMMODATING PENETRATING ITEMS SUCH AS CABLES, CONDUITS, PIPES, DUCTS, ETC.

PROPER EXECUTION OF THIS WORK WILL MAINTAIN THE HOURLY RATINGS OF WALLS AND FLOORS AND ENSURE PROGRESS OF WORK IN SPECIFICATION SECTION 15 AND COORDINATE WORK OF THIS SECTION WITH WORK IN SPECIFICATION SECTION 15 AND SECTION 16.

**REFERENCES**

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM E814: STANDARD TEST METHOD FOR FIRE TESTS THROUGH-PENETRATION FIRESTOPPING.

ASTM E84: STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.

UNDERWRITERS LABORATORIES INC. (U.L.I.)

UL 1479: FIRE TESTS OF THROUGH-PENETRATION FIRESTOPPING.

UL 723: SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.

**DEFINITIONS**

**FIRESTOPPING:** THE USE OF A MATERIAL OR COMBINATION OF MATERIALS IN A FIRE-RATED ASSEMBLY (WALL OR FLOOR) WHERE IT HAS BEEN BREACHED, SO AS TO RESTORE THE INTEGRITY OF THE FIRE RATING OF THE WALL OR FLOOR.

**SYSTEM:** THE USE OF A SPECIFIC FIRESTOP MATERIAL OR COMBINATION OF MATERIALS IN CONJUNCTION WITH A SPECIFIC WALL OR FLOOR CONSTRUCTION TYPE AND SPECIFIC PENETRATING ITEM(S) CONSTITUTES A "SYSTEM".

**BARRIER:** ANY BEARING OR NON-BEARING WALL OR FLOOR THAT HAS AN HOURLY FIRE AND SMOKE RATING.

**THROUGH-PENETRATION:** ANY PENETRATION OF A FIRE WALL OR FLOOR THAT COMPLETELY BREACHES THE BARRIER.

**MEMBRANE-PENETRATION:** ANY PENETRATION IN A FIRE WALL THAT BREACHES ONLY ONE SIDE OF THE BARRIER.

**SUBMITTALS**

SUBMIT MANUFACTURER'S PRODUCT LITERATURE FOR EACH TYPE OF FIRESTOP MATERIAL TO BE INSTALLED. LITERATURE SHALL INDICATE PRODUCT CHARACTERISTICS, TYPICAL USES, PERFORMANCE AND LIMITATION CRITERIA, AND TEST DATA. SUBMITTALS SHOULD BE IN COMPLIANCE WITH SPECIFICATION SECTION AND SECTION 16 MATERIAL SAFETY DATA SHEETS (MSDS); SUBMIT MSDS FOR EACH FIRESTOP PRODUCT.

UL TESTED SYSTEMS: SUBMIT DRAWINGS SHOWING TYPICAL INSTALLATION DETAILS FOR THE METHODS OF INSTALLATION. INDICATE WHICH FIRESTOP MATERIALS WILL BE USED AND THICKNESS DIFFERENT HOURLY RATINGS.

ENGINEERING JUDGMENTS: SUBMIT MANUFACTURER'S DRAWINGS FOR ALL NON-STANDARD APPLICATIONS WHERE NO UL TESTED SYSTEM EXISTS. ALL DRAWINGS MUST INDICATE THE "TESTED" UL SYSTEM UPON WHICH THE JUDGMENT IS BASED SO AS TO ASSESS THE RELEVANCE OF THE JUDGMENT TO SOME KNOWN PERFORMANCE.

SUBMIT MANUFACTURER'S INSTALLATION PROCEDURES FOR EACH TYPE OF PRODUCT.

APPROVED APPLICATION: SUBMIT DOCUMENT FROM MANUFACTURER WHEREIN MANUFACTURER RECOGNIZES THE INSTALLER AS QUALIFIED OR SUBMIT A LIST OF PART PROJECTS TO DEMONSTRATE CAPABILITY TO PERFORM INTENDED WORK.

UPON COMPLETION, INSTALLER SHALL PROVIDE WRITTEN CERTIFICATION THAT MATERIALS WERE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAILS.

**QUALITY ASSURANCE**

FIRESTOPPING SYSTEMS (MATERIALS AND DESIGN) SHALL CONFORM TO BOTH FLAME (F) AND TEMPERATURE (T) RATINGS AS REQUIRED BY LOCAL BUILDING CODES AND AS TESTED BY NATIONALLY ACCEPTED TEST AGENCIES PER ASTM E814 OR UL 1479 FIRE TESTS IN A CONFIGURATION THAT IS REPRESENTATIVE OF FIELD CONDITIONS.

THE F RATING MUST BE A MINIMUM OF ONE (1) HOUR BUT NOT LESS THAN THE FIRE RESISTANCE RATING OF THE ASSEMBLY BEING PENETRATED. T RATING WHEN REQUIRED BY CODE AUTHORITY SHALL BE BASED ON MEASUREMENT OF THE TEMPERATURE RISE OF PENETRATING ITEM(S). THE FIRE TEST SHALL BE CONDUCTED WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCHES OF WATER COLUMN.

FOR JOINTS, MUST BE TESTED TO UL2675 WITH MOVEMENT CAPABILITIES EQUAL TO THOSE OF THE ANTICIPATED CONDITIONS.

FIRESTOPPING MATERIALS AND SYSTEMS MUST BE CAPABLE OF CLOSING OR FILLING THROUGH-OPENINGS CREATED BY 1) THE BURNING OR MELTING OF COMBUSTIBLE PIPES, CABLE JACKETING, OR PIPE INSULATION MATERIALS; OR 2) DEFLECTION OF SHEET METAL DUE TO THERMAL EXPANSION ELECTRICAL AND MECHANICAL DUCT WORKS).

FIRESTOPPING MATERIAL SHALL BE ASBESTOS AND LEAD FREE AND SHALL NOT INCORPORATE NOR REQUIRE THE USE OF HAZARDOUS SOLVENTS.

FIRESTOPPING SEALANTS MUST BE FLEXIBLE, ALLOWING FOR NORMAL PIPE MOVEMENT. FIRESTOPPING MATERIALS SHALL NOT SHRINK UPON DRYING AS EVIDENCED BY CRACKING OR PULLING BACK FROM CONTACT SURFACES.

FIRESTOPPING MATERIALS SHALL BE MOISTURE RESISTANT, AND SHALL NOT DISSOLVE IN WATER AFTER CURING.

ALL FIRESTOPPING MATERIALS SHALL BE MANUFACTURED BY ONE MANUFACTURER TO THE MAXIMUM EXTENT POSSIBLE.

INSTALLATION OF FIRESTOPPING SYSTEMS SHALL BE PERFORMED BY A CONTRACTOR (OR CONTRACTORS) TRAINED OR APPROVED BY THE FIRESTOP MANUFACTURER.

MATERIAL USED SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

**PRODUCT DELIVERY, STORAGE AND HANDLING**

DELIVER MATERIAL IN THE MANUFACTURER'S ORIGINAL UNOPENED CONTAINERS OR PACKAGES WITH THE MANUFACTURER'S NAME, PRODUCT IDENTIFICATION, LOT NUMBER, UL LABEL, AND MIXING AND INSTALLATION INSTRUCTIONS AS APPLICABLE.

STORE MATERIALS IN THE ORIGINAL, UNOPENED CONTAINERS OR PACKAGES, AND UNDER CONDITIONS RECOMMENDED BY THE MANUFACTURER.

ALL FIRESTOP MATERIALS SHALL BE INSTALLED PRIOR TO EXPIRATION OF SHELF LIFE.

**PROJECT CONDITIONS**

CONFORM TO MANUFACTURER'S PRINTED INSTRUCTIONS FOR INSTALLATION AND WHEN APPLICABLE, CURING IN ACCORDANCE WITH TEMPERATURE AND HUMIDITY. CONFORM TO VENTILATION AND SAFETY REQUIREMENTS.

VERIFY THE CONDITION OF THE SUBSTRATES BEFORE STARTING WORK.

WEATHER CONDITIONS: DO NOT PROCEED WITH INSTALLATION OF FIRESTOP MATERIALS WHEN TEMPERATURES FALL OUTSIDE THE MANUFACTURER'S SUGGESTED LIMITS.

CARE SHOULD BE TAKEN TO ENSURE THAT FIRESTOPPING MATERIALS ARE INSTALLED SO AS NOT TO CONTAMINATE ADJACENT SURFACES.

**SEQUENCING**

SCHEDULE FIRESTOPPING AFTER INSTALLATION OF PENETRANTS BUT PRIOR TO CONCEALING THE OPENINGS.

FIRESTOPPING SHALL PRECEDE GYPSUM BOARD FINISHING.

**PROTECTION**

WHERE FIRESTOPPING IS INSTALLED AT LOCATIONS WHICH WILL REMAIN EXPOSED IN THE COMPLETED WORK, PROTECT AS NECESSARY TO PREVENT DAMAGE TO ADJACENT SURFACES AND FINISHES, AND PROTECT AS NECESSARY AGAINST DAMAGES FROM OTHER CONSTRUCTION ACTIVITIES.

REFER TO SHEET ME-2 FOR CONTINUATION OF FIRESTOPPING SPECIFICATIONS

BAYPOINT CONDOMINIUM  
 PHASE TWO

FIRE PROTECTION  
 DETAILS AND SPECIFICATIONS

ME-3

DAVID HUMPHREY  
 & ASSOCIATES AIA  
 ARCHITECTS

3255 NORTH TAMiami TRAIL, SUITE 202  
 NAPLES, FLORIDA 33940 (813) 434-2987

DESIGN FIRM

CONTACT PERSON

SEAN O'NEILL

6326 RA BLDG

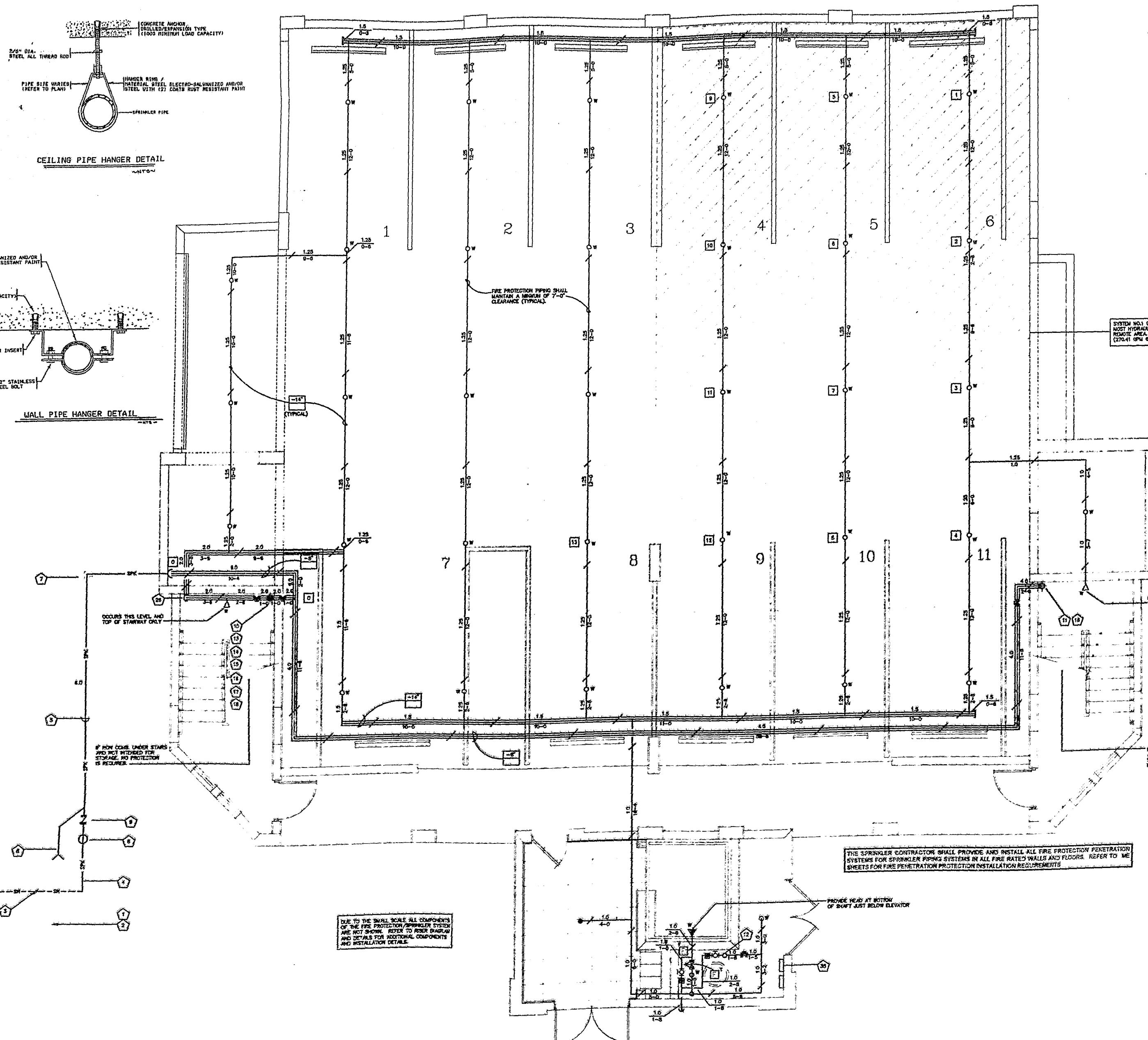
NAPLES, FL 33940

CELL: 813-434-2987

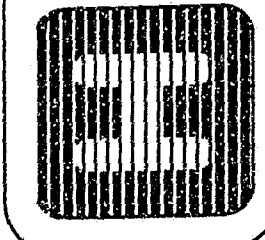
3-2

ME-4





**DAVID HUMPHREY & ASSOCIATES AIA ARCHITECTS**  
 3255 NORTH TAMPA TRAIL, SUITE 202  
 NAPLES, FLORIDA 33940 (813) 434-2957



**REVISIONS**  
 DATE 3-12-96  
 REVISIONS

**BAYPOINT CONDOMINIUM PHASE TWO**

**SPRINKLER/FIRE PROTECTION SYSTEMS LAYOUT GARAGE LEVEL**

**FP-1**

**DESIGN FIRM**  
 BENHOFF ENGINEERING  
 8326 TRAIL BLVD. N.  
 NAPLES, FLORIDA 33953  
 CERT. DATE: 4/1/96  
**CONTACT PERSON**  
 ERIC H. BENHOFF  
 P. 334-2380  
 F. 334-2380  
 C. 334-2380

SCALE: 1/4" = 1'0"

NUMBER OF SPRINKLERS					
TOTAL THIS SHEET			FP-2 / S5 HDS		TOTAL THIS JOB
SYMBOL	DEGREE	DESCRIPTION	SIZE	REQ.	
●	1 1/2 DEG F	CENTRAL MODEL "K" G R SEMI-RECESSED / WHITE / K = 5.6	1 1/2"	30	
▶	155 DEG F	CENTRAL MODEL "K" G R SIDEWALL / WHITE / K = 5.6	1 1/2"	22	
○ <sub>W</sub>	212 DEG F	CENTRAL MODEL "K" BRASS UPRIGHT / WAX COATED / K = 5.6	1 1/2"	2	
◁ <sub>W</sub>	212 DEG F	CENTRAL MODEL "K" SIDEWALL / BRASS / WAXED / K = 5.6	1 1/2"	1	

DESIGN FIRM	CONTACT PERSON
KEN-OP ENGINEERING 6326 RA 8 RD N. NAPLES, FLORIDA 33963 CERTIFICATE NO EB2004460	ERIC W. SENKOWSKI 10000 FOREA POLARIS 941-555-7654 941-555-7655 FAX

50 9411 798 2655  
3-20-11

[illegible]

**DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS**

DRAWING REF. CH.  
COMM. NO  
DATE 3-12-95

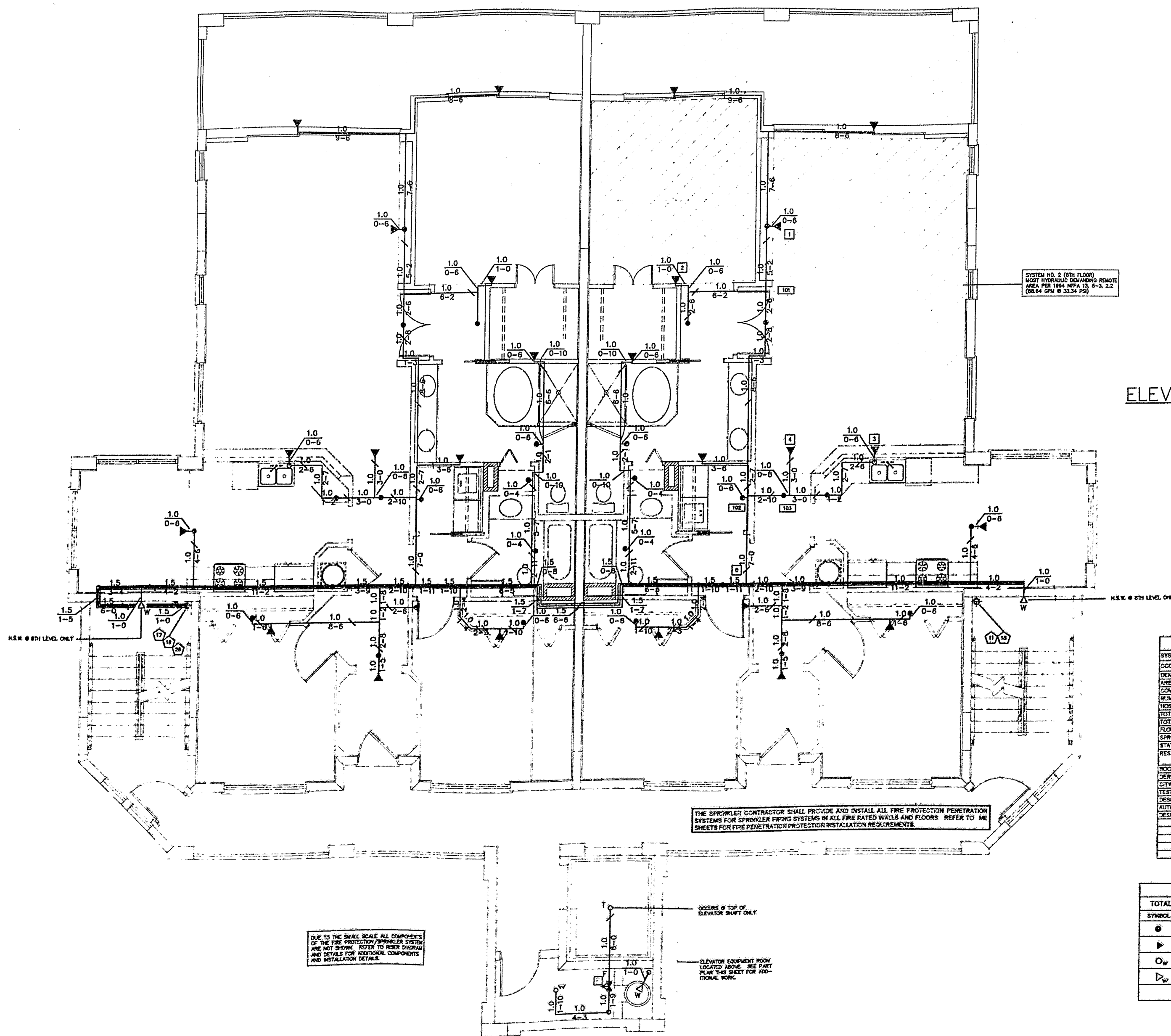
BAYPOINT CONDOMINIUM  
PHASE TWO

SPRINKLER/FIRE PROTECTION

2ND | EVER

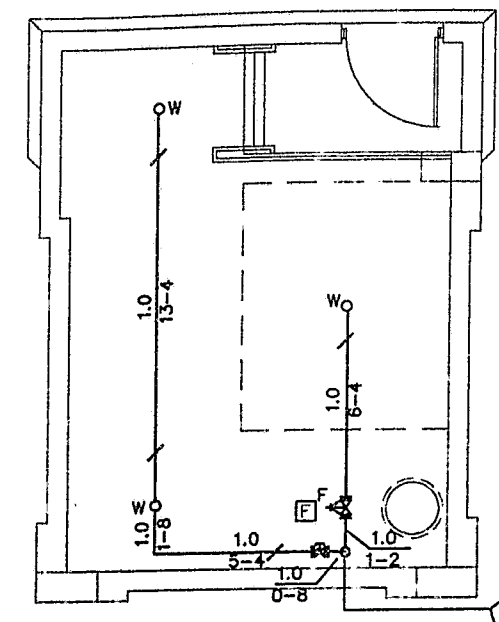
FP-2





SPRINKLER/FIRE PROTECTION SYSTEMS LAYOUT - 3RD THRU 8TH LEVEL

SCALE 1/4"=1'-0"



PART PLAN  
ELEVATOR EQUIPMENT ROOM

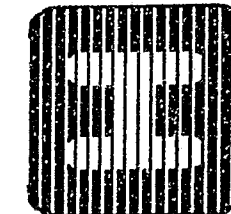
SCALE 1/4"=1'-0"

SPRINKLER SYSTEM DESIGN DATA	
SYSTEM NO. 2 (8TH FLOOR) MOST HYDRAULIC DEMANDING REMOTE AREA PER 1994 NFPA 13, 5-3.2.2 (58.64 GPM @ 32.34 PSI)	
OCCUPANCY CLASSIFICATION:	LIGHT HAZARD
DENSITY:	0.10 GPM/SQ. FT.
AREA OF APPLICATION:	1500 SQ. FT.
COVERAGE PER SPRINKLER:	100 SQ. FT.
NUMBER OF SPRINKLERS CALCULATED:	4 SPRINKLERS
HOSE ALLOWANCES:	100 GPM
TOTAL SPRINKLER WATER FLOW REQUIRED:	88.64 GPM
TOTAL WATER REQUIRED (INCLUDING HOSES):	188.64 GPM
FLOW AND PRESSURE (8" BOR):	188.64 GPM @ 32.34 PSI
SPRINKLER ORIFICE SIZE:	1/2" NPT
STATIC PRESSURE:	21 PSI
RESIDUAL PRESSURE:	20 PSI WITH 1125 GPM FLOWING
BOOSTER PUMP RATED CAPACITY:	735 GPM
DERIVED STATIC PRESSURE:	126 PSI
CITY PUMP STATIC:	180 PSI
TEST TAKENDATE:	STREET/
DESIGN LAYOUT BY:	ERIC W. SENKOFF
AUTHORITY HAVING JURISDICTION:	FIRE MARSHAL
DESIGNER CERTIFICATION NUMBER:	EB004450

NUMBER OF SPRINKLERS				
TOTAL THIS SHEET	FP-3/FLS 3-8/350	TOTAL THIS JOB	446	
SYMBOL	DEGREE	DESCRIPTION	SIZE	REQD
●	155 DEG. F	CENTRAL MODEL "K-10 R BIRMINGHAM WHITE: K=5.6	1/2"	180
▶	155 DEG. F	CENTRAL MODEL "K-10 R BIRMINGHAM WHITE: K=5.6	1/2"	158
○	212 DEG. F	CENTRAL MODEL "K-10 R BIRMINGHAM WHITE: K=5.6	1/2"	8
◐	212 DEG. F	CENTRAL MODEL "K-10 R BIRMINGHAM WHITE: K=5.6	1/2"	8

DESIGN FIRM  
SENKOFF ENGINEERING  
6326 TRAIL BLVD.  
NAPLES, FLORIDA 34105  
CERTIFICATE NO. E97004450

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMAMI TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987

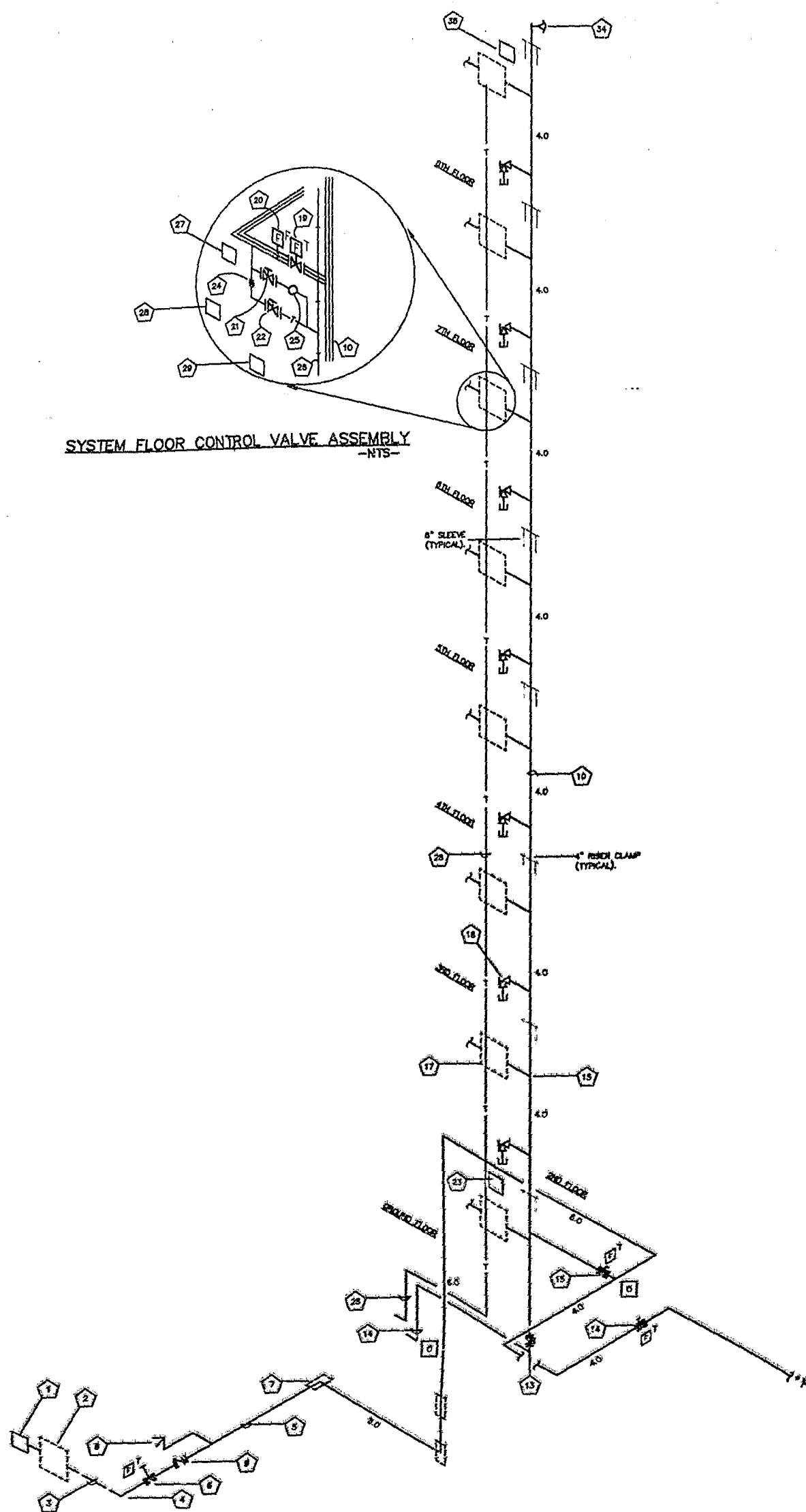


DRAWN: RES: EWH  
CHECKED: NO  
DATE: 3-12-96  
REVISIONS:

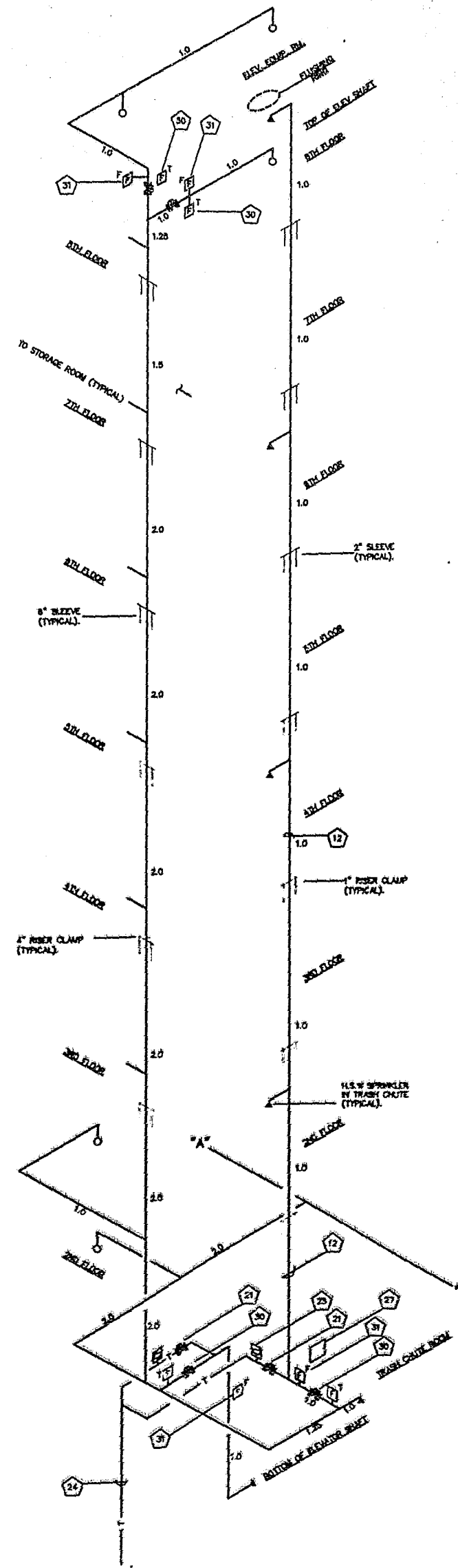
BAYPOINT CONDOMINIUM  
PHASE TWO

SPRINKLER/FIRE PROTECTION  
SYSTEMS LAYOUT  
3RD THRU 8TH

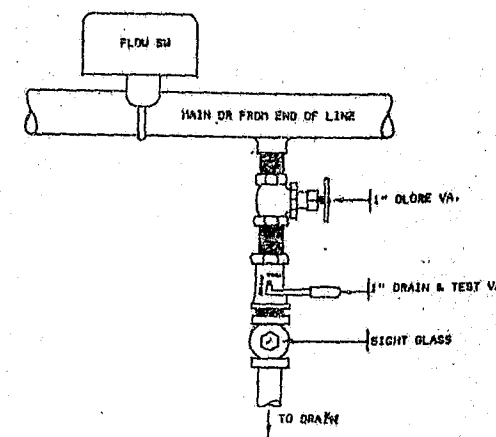
FP-3



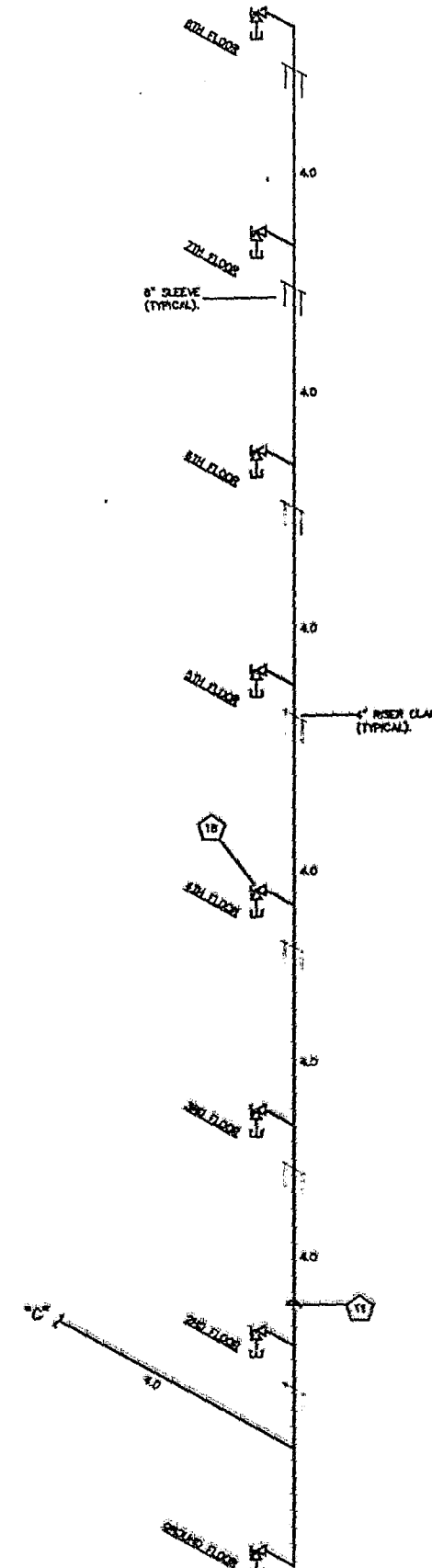
STANDPIPE RISER  
NTS



TRASH CHUTE RISER  
NTS



TEST STATION INSTALLATION DETAIL  
NTS



STANDPIPE RISER  
NTS

SPRINKLER SYSTEM RISER NOTES

GENERAL:

THE SYSTEM SHALL BE INSTALLED BY A LICENSED FIRE PROTECTION CONTRACTOR AND BE IN ACCORDANCE WITH THE LATEST COPIES OF NFPA 13, NFPA 14, NFPA 20 AND NFPA 24. STATE AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.

ALL EQUIPMENT TO BE INSTALLED UNDER THIS DIVISION SHALL BEAR THE UNDERWRITERS LABORATORY LABEL OF APPROVAL.

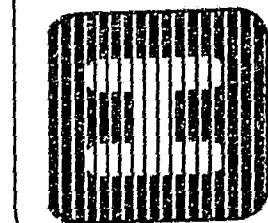
TEST SYSTEM TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF GOVERNING AUTHORITIES AND INSURING AGENCIES. DELIVER CERTIFICATES OF INSPECTION TO THE OWNER.

- 1 EXISTING BACK-FLOW PREVENTER INSTALLED IN BASE BUILDING CONTRACT
- 2 UTILITY / PUMP BUILDING / REFER TO SHEET FOR FIRE PUMP AND DOMESTIC PUMP INSTALLATION REQUIREMENTS.
- 3 EXISTING FIRE PROTECTION MAIN BY OTHERS.
- 4 START OF FIRE PROTECTION PIPING SYSTEM. A STATE CERTIFIED FIRE SPRINKLER CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS REQUIRED TO YIELD A COMPLETE WET PIPE SPRINKLER WATER SUPPLY PIPING SYSTEM FROM DOMESTIC WATER SUPPLY TERMINAL POINT BY SITE UTILITY CONTRACTOR TO AND THROUGHOUT THE BUILDING. THE SPRINKLER CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR THE INSTALLATION.
- 5 BELOW GROUND PIPING SHALL BE PVC-800 AND/OR CH150 DIP.
- 6 POST INDICATOR VALVE: EQUAL TO MUELLER CO. MODEL A-20000 ADJUSTABLE TYPE WITH OPENSHT WINDOW AND LOCKING ASSEMBLY AND TAMPER SWITCH CONNECTED TO FIRE ALARM SYSTEM.
- 7 THURST CONNECTION EQUAL TO UNI-FLANGE. JOINT FITTINGS SHALL BE SUITABLE FOR PVC-PVC AND CAST IRON / PVC PIPE CONNECTIONS TYPICAL TO ALL CONNECTIONS.
- 8 FREE STANDING FIRE DEPARTMENT INLET CONNECTION (SIEMENS): EQUAL TO POTTER-ROEMER, INC. MODEL 733 (6" X 2-1/2" X 2-1/2" X 2-1/2" - 3-WAY) POLISHED CHROME PLATED. VERIFY HOSE THREAD REQUIREMENTS WITH LOCAL FIRE DEPARTMENT. FIRE DEPARTMENT CONNECTION (SIEMENS) SHALL BE LOCATED WITHIN 50' OF FIRE HYDRANT AND WITHIN 50' OF THE BUILDING BEING SERVED. VERIFY EXACT LOCATION IN FIELD.
- 9 CHECK VALVE - 6"
- 10 STANDPIPE/SPRINKLER RISER (WEST)
- 11 STANDPIPE RISER (EAST)
- 12 TRASH CHUTE SPRINKLER RISER / HEAD REQUIREMENTS: PROVIDE AND INSTALL SPRINKLERS ABOVE THE LOWEST SERVICE OPENING, ABOVE THE SERVICE OPENINGS AT ALTERNATE FLOORS AND ABOVE THE TOP SERVICE OPENING OF THE TRASH CHUTE.
- 13 MAIN DRAIN VALVE WITH SIGN
- 14 MAIN DRAIN (2") WITH 2" DRAIN VALVE.
- 15 CONTROL VALVE - 20" FLANGED OS&Y WITH TAMPER SWITCH.
- 16 SPRINKLER SYSTEM POINT OF SERVICE: SYSTEM COMPONENTS CONSISTING OF TAP, ZONE CONTROL VALVE, OS&Y PRESSURE REDUCING VALVE AS REQUIRED WITH TAMPER SWITCH, FLOW SWITCH AND TEST STATION.
- 17 TYPICAL CONTROL VALVE/TEST STATION/REFER TO DETAIL.
- 18 STANDPIPE WITH 2-1/2" FIRE DEPARTMENT VALVE WITH CAP AND CHAIN. VERIFY HOSE REQUIREMENTS WITH LOCAL FIRE DEPARTMENT.
- 19 ZONE VALVE, BUTTERFLY 3" WITH TAMPER SWITCH. PROVIDE WITH SIGN STATING "SYSTEM CONTROL VALVE"
- 20 FLOW SWITCH/FLOOR SPRINKLER SYSTEM.
- 21 TEST VALVE - 1" GATE VALVE.
- 22 SECTIONAL VALVE - 1" GATE VALVE.
- 23 HYDRAULIC CALCULATION SIGN
- 24 UNION
- 25 SITE GLASS 1" WITH 1/2" RESTRICTIVE ORIFICE
- 26 TEST DRAIN PIPING 1" DOWN TO GRADE
- 27 SYSTEM CONTROL VALVE SIGN
- 28 INSPECTORS TEST SIGN
- 29 DRAIN SIGN
- 30 CONTROL VALVE - 1" BUTTERFLY VALVE WITH TAMPER SWITCH.
- 31 FLOW SWITCH-1"
- 32 CHECK VALVE - 1"
- 33 FLUSHING CONNECTION (BAYPUMP)
- 34 ROOF MANHOLE (4" X 2-1/2" X 2-1/2") EQUAL TO POTTER-ROEMER, INC. MODEL 5671 / BRASS OUTLETS WITH SMOOTS, VALVES, FLUGS AND CHAINS AS REQUIRED BY THE LOCAL FIRE DEPARTMENT.
- 35 SPRINKLER HEAD CABINET PROVIDE AND INSTALL SPARE HEAD SPRINKLER HEAD CABINET AND SPARE HEADS IN ACCORDANCE WITH NFPA 13 SECTION 3.10.7
- 36 BUILDING ACOUSTICATOR HORN/LIGHT BY FIRE ALARM CONTRACTOR REFER TO FIRE ALARM RISER FOR INSTALLATION REQUIREMENTS AND SYSTEM OPERATION.
- 37 ADAPTOR SCHEDULE 40 STEEL TO "BLAZEMASTER" CPVC PIPING

PIPE HANGER SUPPORT SCHEDULE		
STEEL PIPE OR TUBE SIZE	HANGER SPACING	MINIMUM ROD DIAMETER
1/2" - 1"	7'-0"	1/2"
1-1/4" - 1-1/2"	8'-0"	3/8"
2"	10'-0"	3/8"
2-1/2"	11'-0"	3/8"
3"	12'-0"	3/8"
4"	14'-0"	1/2"
6"	17'-0"	1/2"
8"	18'-0"	5/8"
COPPER PIPE OR TUBE SIZE		
1/2" - 3/4"	5'-0"	1/4"
1"	6'-0"	1/4"
1-1/2"	8'-0"	3/8"
2"	8'-0"	3/8"
2-1/2"	10'-0"	3/8"
3"	10'-0"	3/8"
4"	12'-0"	1/2"
PVC PIPE		
1/2" - 3/4"	4'-0"	1/4"
1"	4'-0"	1/4"
1-1/2" - 1-1/2"	5'-0"	3/8"
2"	5'-0"	3/8"
2-1/2"	8'-0"	3/8"
3"	8'-0"	3/8"
4"	8'-0"	1/2"
6"	7'-0"	1/2"
8"	8'-0"	5/8"

DESIGN FIRM  
SENICOFF ENGINEERING  
8528 TRAIL BLVD.  
NAPLES, FLORIDA 34109  
CERTIFICATE NO. E300044-2

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMiami TRAIL, SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987



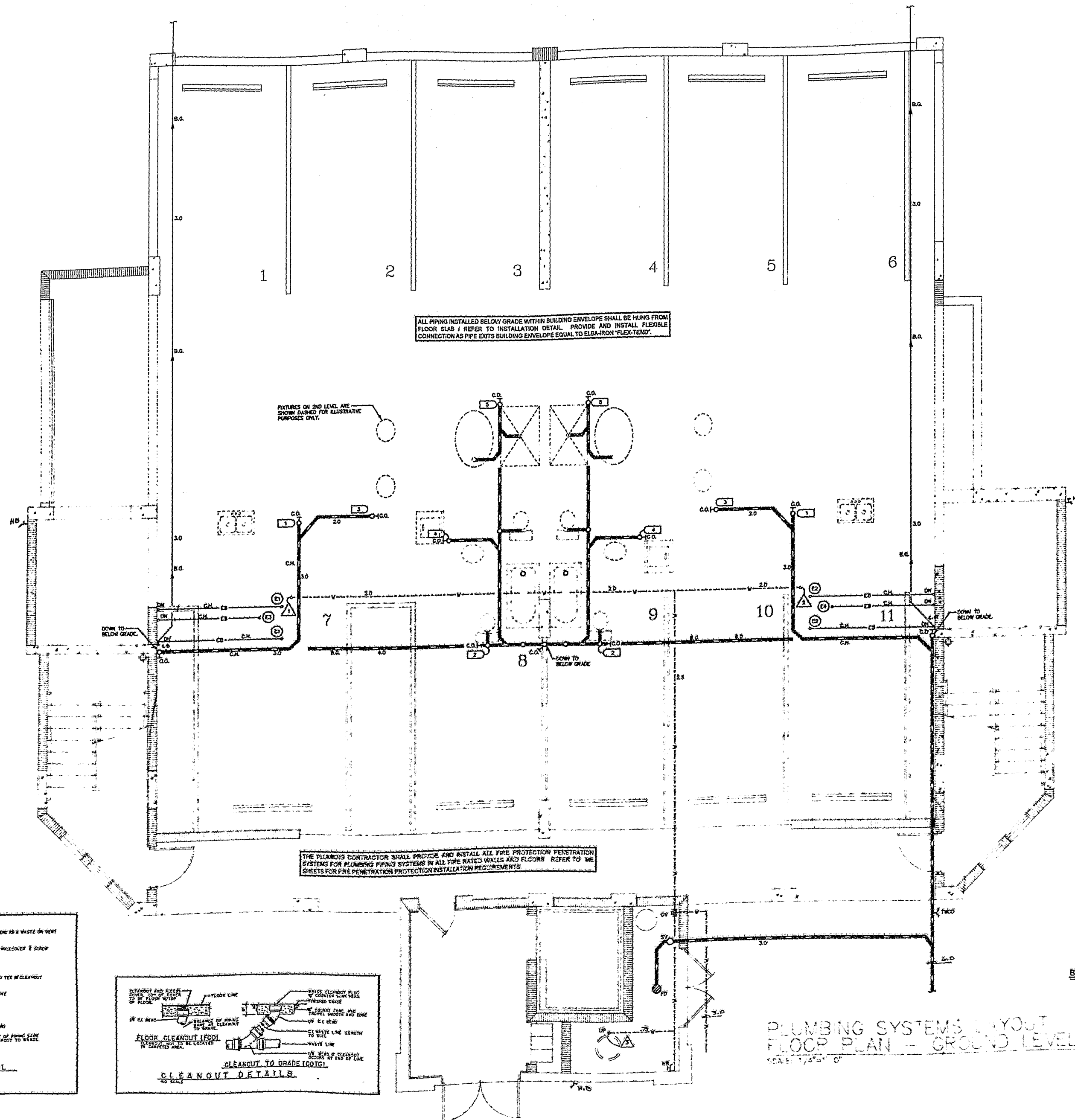
DRAWN RES/EH  
COMPL. NO.  
DATE 3-12-96  
REVISIONS

BAYPOINT CONDOMINIUM  
PHASE TWO

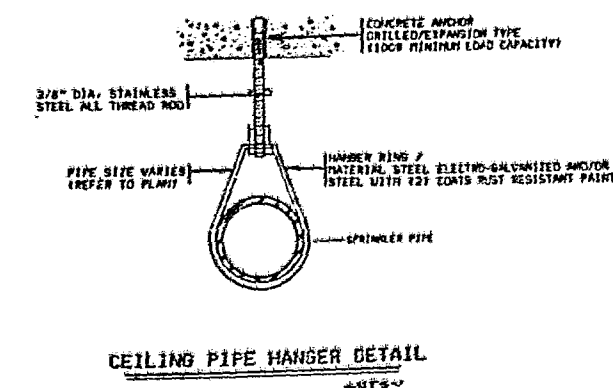
SPRINKLER SYSTEM  
RISER DIAGRAM

FP-4

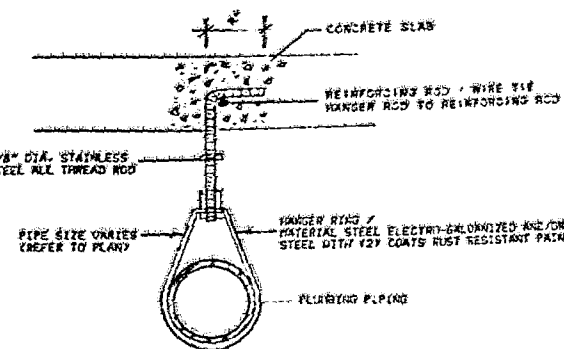




PLUMBING SYSTEMS LAYOUT  
FLOOR PLAN - GROUND LEVEL  
SCALE: 1/4"=1' 0"



CEILING PIPE HANGER DETAIL



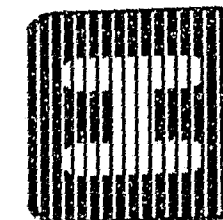
BELOW GRADE FLOOR PIPE HANGER DETAIL

THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE PROTECTION PENETRATION SYSTEMS FOR PLUMBING PIPING SYSTEMS IN ALL FIRE RATED WALLS AND FLOORS. REFER TO MECHANICAL SHEETS FOR FIRE PENETRATION PROTECTION INSTALLATION REQUIREMENTS.

DESIGN FIRM  
SEAFORD ENGINEERING  
5326 TRAIL BLVD N.  
NAPLES, FLORIDA 34107  
CERTIFICATE NO. E500044

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS

3255 NORTH TAMiami TRAIL SUITE 202  
NAPLES, FLORIDA 33940, (813) 434-2987



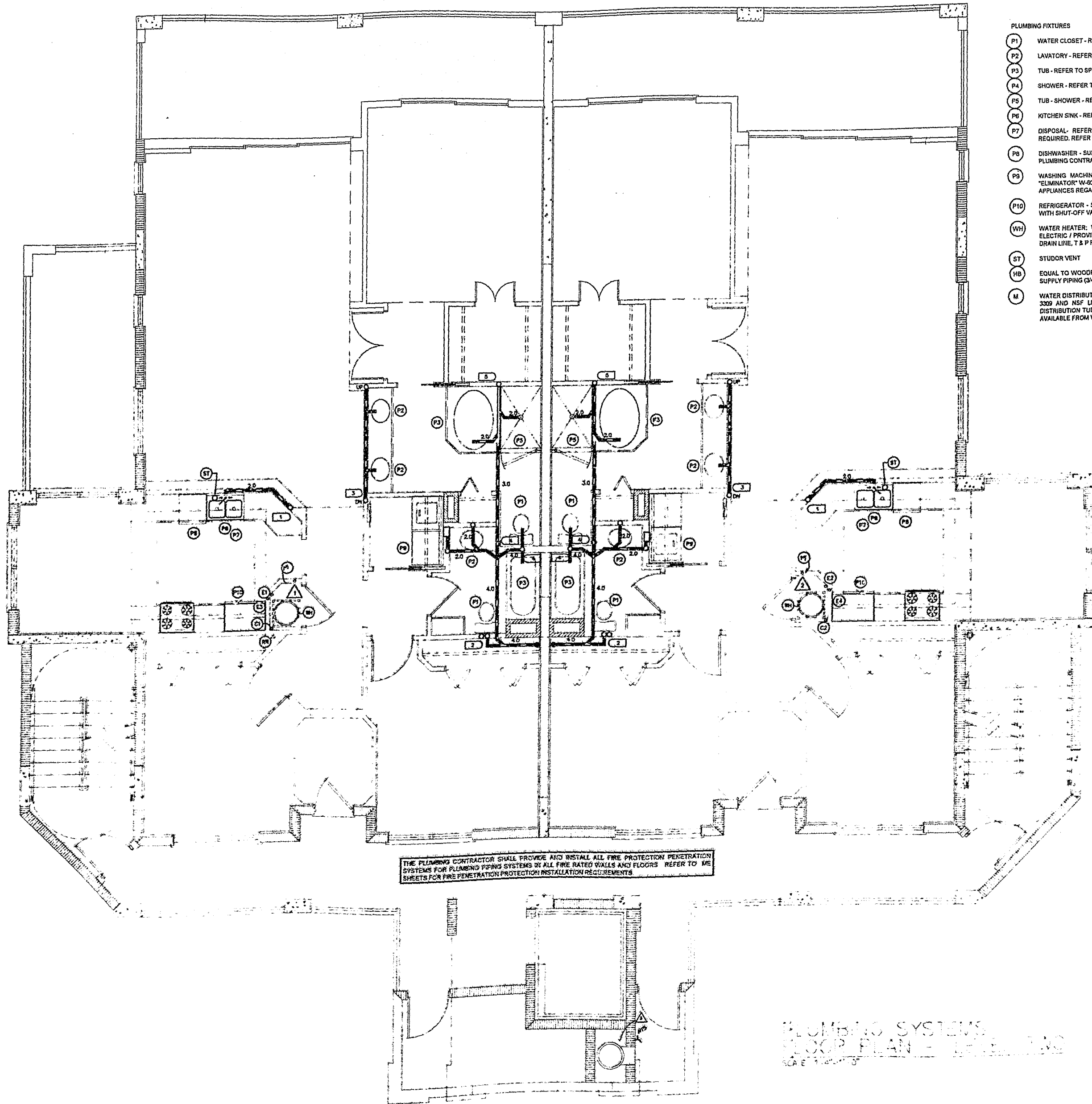
DRAWN RES/EHI  
COMM. NO.  
DATE 3-12-96  
REVISIONS

BAYPOINT CONDOMINIUM  
PHASE TWO

## PLUMBING SYSTEMS LAYOUT

LEVER LEVEL

P.



PLUMBING FIXTURES

- (P1) WATER CLOSET - REFER TO SPECIFICATIONS
- (P2) LAVATORY - REFER TO SPECIFICATIONS
- (P3) TUB - REFER TO SPECIFICATIONS
- (P4) SHOWER - REFER TO SPECIFICATIONS
- (P5) TUB - SHOWER - REFER TO SPECIFICATIONS
- (P6) KITCHEN SINK - REFER TO SPECIFICATIONS
- (P7) DISPOSAL - REFER TO ARCHITECTURAL PLANS FOR SPECIFICATIONS. PROVIDE HOT/COLD WATER SUPPLY PIPING AS REQUIRED. REFER TO EQUIPMENT SPECIFICATIONS.
- (P8) DISHWASHER - SUPPLIED BY THE GENERAL CONTRACTOR. ALL WATER SUPPLY AND DRAINAGE SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR.
- (P9) WASHING MACHINE - WASHING MACHINE SUPPLIED BY THE GENERAL CONTRACTOR. FITTING EQUAL TO SIMONS "ELIMINATOR" W-922 COMPLETE WITH SUPPLIER AND 2" DRAIN. WASHER ALWAYS TO LEFT OF THE DRYER WHEN LOOKING AT APPLIANCES REGARDLESS OF PLAN ORIENTATION
- (P10) REFRIGERATOR - SUPPLIED BY THE GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL PROVIDE RECESSED BOX WITH SHUT-OFF VALVE AND 4" OF 3/8" COPPER COIL. ALL CONNECTIONS BY THE PLUMBING CONTRACTOR.
- (WH) WATER HEATER: WATER HEATER EQUAL TO A. O. SMITH LOW BOY "ENERGY SAVER" MODEL ELJF-40 / 40 GAL / 4500 WATT ELECTRIC / PROVIDE AND INSTALL WITH ALL CONTROLS HEATER SHALL CONFORM TO ASHRAE STANDARD 90A DRAIN PAN, DRAIN LINE, T & P RELIEF VALVE AND ALL ACCESSORIES. (MAX HEIGHT 32 1/4").
- (ST) STUDOR VENT
- (HB) EQUAL TO WOODFORD MODEL 24 WITH INTEGRAL BACKFLOW PREVENTER / BRASS FINISH / KEY HANDLE. EXTEND WATER SUPPLY PIPING (3/4") FROM NEAREST DOMESTIC SUPPLY PIPE AND MAKE ALL CONNECTIONS.
- (M) WATER DISTRIBUTION SYSTEM: EQUAL TO "MANABLOC" MANIFOLD CONTROL UNIT MEETING THE REQUIREMENTS OF ASTM-D-3309 AND NSF LISTED FOR POTABLE WATER USE. SYSTEM SHALL BE THERMOGUARD POLYBUTYLENE HOT / COLD DISTRIBUTION TUBING / CTS - CO. ASTM D-3309. INSTALLATION MUST COMPLY WITH CURRENT INSTALLATION INSTRUCTIONS AVAILABLE FROM VANGUARD PLASTICS INC. (BP2PFS.DOC / PF1)

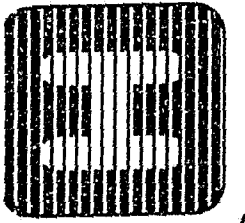
BAYPOINT CONDOMINIUM  
PHASE TWO

PLUMBING SYSTEMS LAYOUT

2ND LEVEL

P-2

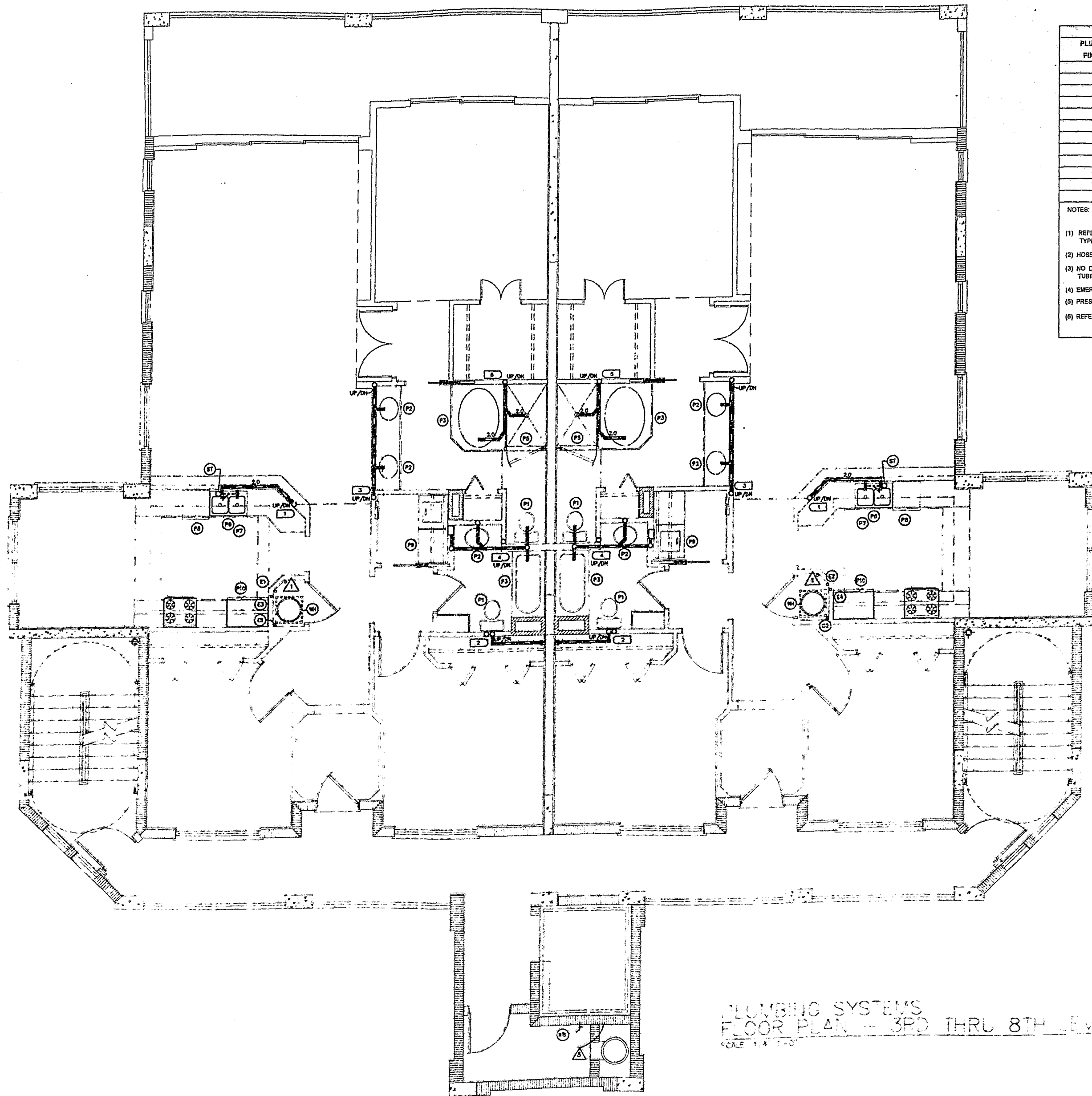
DRAWN RES/EHT  
COMM. NO.  
DATE 3-12-96  
REVISIONS



DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMiami TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987

PLUMBING CONTRACTOR  
DATE 3-12-96  
BY [Signature]  
CHECKED [Signature]  
DATE 3-12-96  
BY [Signature]





PLUMBING SYSTEMS  
FLOOR PLAN - 3RD THRU 8TH LEVEL  
SCALE: 1/4" = 1'-0"

PLUMBING AND FIXTURE AND PIPE SCHEDULE				
PLUMBING FIXTURE	FIXTURE DESCRIPTION	MINIMUM COLD	SUPPLY HOT	MINIMUM TRAP NOTES
P1	WATER CLOSET	0.5	---	3.0 (1)
P2	LAVATORY	0.5	0.5	1.5 (1)
P3	TUB	0.5	0.5	2.0 (1)
P4	SHOWER	0.5	0.5	2.0 (1) (5)
P5	TUB / SHOWER	0.5	0.5	2.0 (1) (5)
P6	KITCHEN SINK	0.5	0.5	2.0 (1)
P7	DISPOSAL	---	---	(6)
P8	DISHWASHER	---	0.5	(2)
P9	WASHING MACHINE	0.5	0.5	2.0
P10	REFRIGERATOR	.375	---	(3)
WH	WATER HEATER	1.25	1.25	(4)
HB	HOSE BIBB	.75	---	(6)

NOTES:

(1) REFER TO SCHEDULE FOR LETTER AND PLUMBING FIXTURE SCHEDULE FOR FIXTURE TYPE.

(2) HOSE CONNECTION TO KITCHEN SINK DRAIN PIPING.

(3) NO DRAIN REQUIRED - RECESSED BOX WITH SHUT-OFF VALVE AND COIL OF 3/8" TUBING COILED FOR FUTURE REFRIGERATOR HOOK-UP.

(4) EMERGENCY DRAIN / REFER TO DETAIL FOR REQUIREMENTS.

(5) PRESSURE BALANCING ANTI-SCALD.

(6) REFER SPECIFICATIONS AND DETAILS.

DESIGN FIRM  
SENHOF ENGINEERING  
6326 PALM BLVD.  
NAPLES, FLORIDA 34103  
CERTIFICATE NO. EDC0004450

CONTACT PERSON  
FRANK SENHOF, P.E.  
FRANK.SENHOF@SENHOF.COM  
813.266.2655 FAX

PLUMBING SYSTEMS LAYOUT

3RD THRU 8TH LEVEL

BAYPOINT CONDOMINIUM

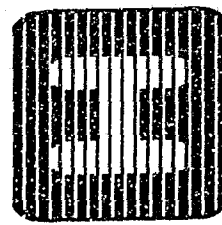
PHASE TWO

DRAWN RES/EH

COORD. NO.

DATE 3-12-96

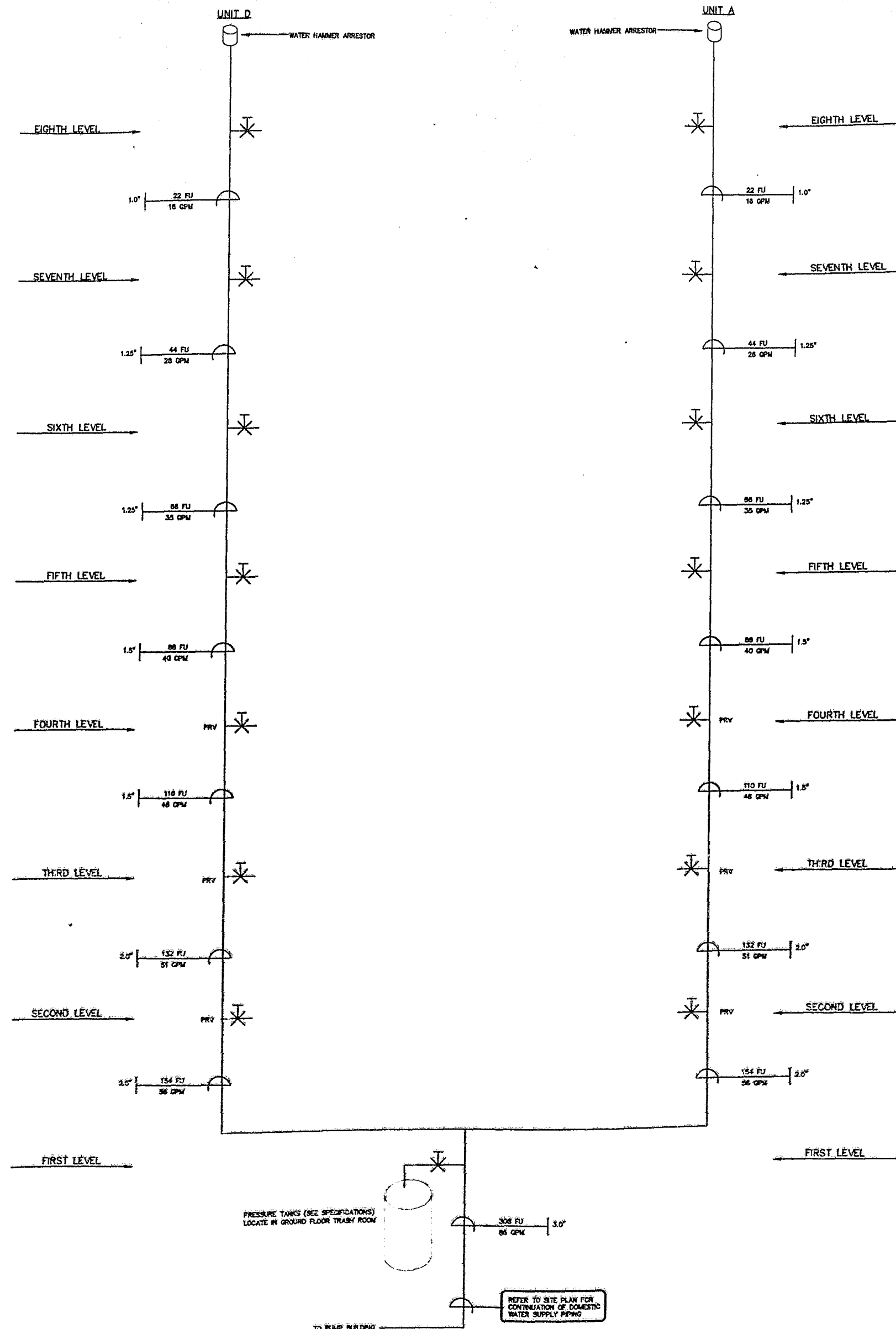
REVISIONS



DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS

3255 NORTH TAMPAI TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987

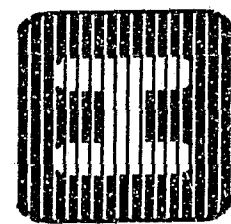
PLUMBING/PIPING MATERIAL SCHEDULE	
PLUMBING SYSTEM APPLICATION	MATERIAL CODES
SANITARY WASTE AND VENT PIPING ABOVE GRADE	PA, PC, PD
SANITARY WASTE AND VENT PIPING BELOW GRADE	PA, PC, PD
DOMESTIC WATER PIPING ABOVE GRADE	CA, CD, CE (1)
DOMESTIC WATER PIPING BELOW GRADE	CA / CC (2)
CONDENSATE DRAIN PIPING (AC)	PA, PC, PD
EMERGENCY DRAIN PIPING (AC)	PA, PC, PD
WATER HEATER TEMP & PRESSURE RELIEF PIPING	CA, CD, CE
ROOF DRAIN PIPING	PA, PC, PD
GATE VALVES	VA
GLOBE VALVES	VC
WATER HAMMER ARRESTOR	HA
PVC PIPING MATERIAL CODES	
PA PIPE — SCHEDULE 40 — ANSISTM D 1784	
PB PIPE — SCHEDULE 80 — ANSISTM D 1784	
PC FITTING — SCHEDULE 40 — ANSISTM D 2729	
PD SOLVENT WELD — ANSISTM D 2564	
COPPER PIPE/TUBE MATERIAL CODES	
CA PIPE — TYPE "L" 1/2" — ANSISTM D 88-89	
CB PIPE — TYPE "K" 1/2" — ANSISTM D 88-89	
CC PIPE — TYPE "R" 1/2" — ANSISTM D 88-89	
CD FITTING — WROUGHT COPPER ANSISTM D 18.22 - 18.23	
CE SOLDER — LEAD-FREE ANSISTM D 18.22 - 18.23	
CF SOLDER — 62-36 ANSISTM D 18.22 - 18.23	
VALVE MATERIAL CODES	
VA CRANE - GATE TYPE — 1224 1/2" AND SMALLER	
VB CRANE - GATE TYPE — 465 1/2" AND LARGER	
VC CRANE - GLOBE TYPE — 1310 1/2" AND SMALLER	
VD CRANE - GLOBE TYPE — 3511 1/2" AND LARGER	
WATER HAMMER ARRESTOR CODES	
HA 12" HIGH FULL SIZE AIR CHAMBER ON EACH BRANCH	
HB MECHANICAL SHOCK ABSORBER EQUAL TO WADE SHOCKSTOP	
ALTERNATES	
(1) POLYBUTYLENE PIPE/TUBE MATERIAL CODES	
P PIPE — ASTM D 3309.884	
PF FITTING — CRIMPED / ASTM F 845 - 84	
(2) PVC PIPING MATERIAL CODES	
PAU PIPE — SCHEDULE 40 — ANSISTM D 1784	
PCU FITTING — SCHEDULE 40 — ANSISTM D 2729	
PCU SOLVENT WELD — ANSISTM D 2564	



DOMESTIC WATER DISTRIBUTION RISER

DESIGN: HENHOFF ENGINEERING  
5326 TRAIL BLVD.  
NAPLES, FLORIDA 34103  
CERTIFICATE NO. C81004450

CONTACT: HENHOFF ENGINEERING  
5326 TRAIL BLVD.  
NAPLES, FLORIDA 34103  
(813) 265-2655 FAX



DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMPA TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987

DRAWN: RES: EH  
COMM: NO  
DATE: 3-12-96  
REVISIONS

BAYPOINT CONDOMINIUM  
PHASE TWO

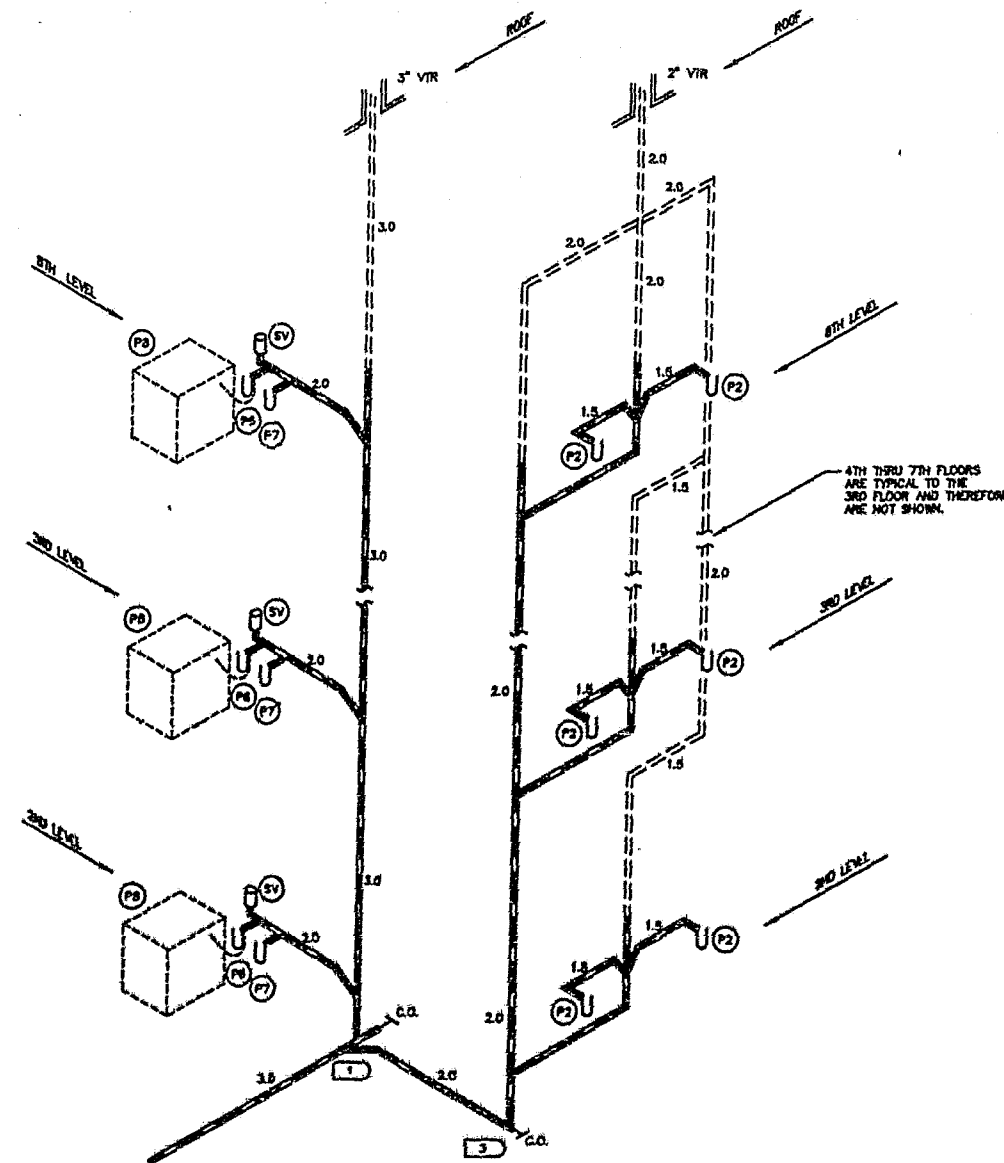
DOMESTIC WATER DISTRIBUTION  
RISER

P-4

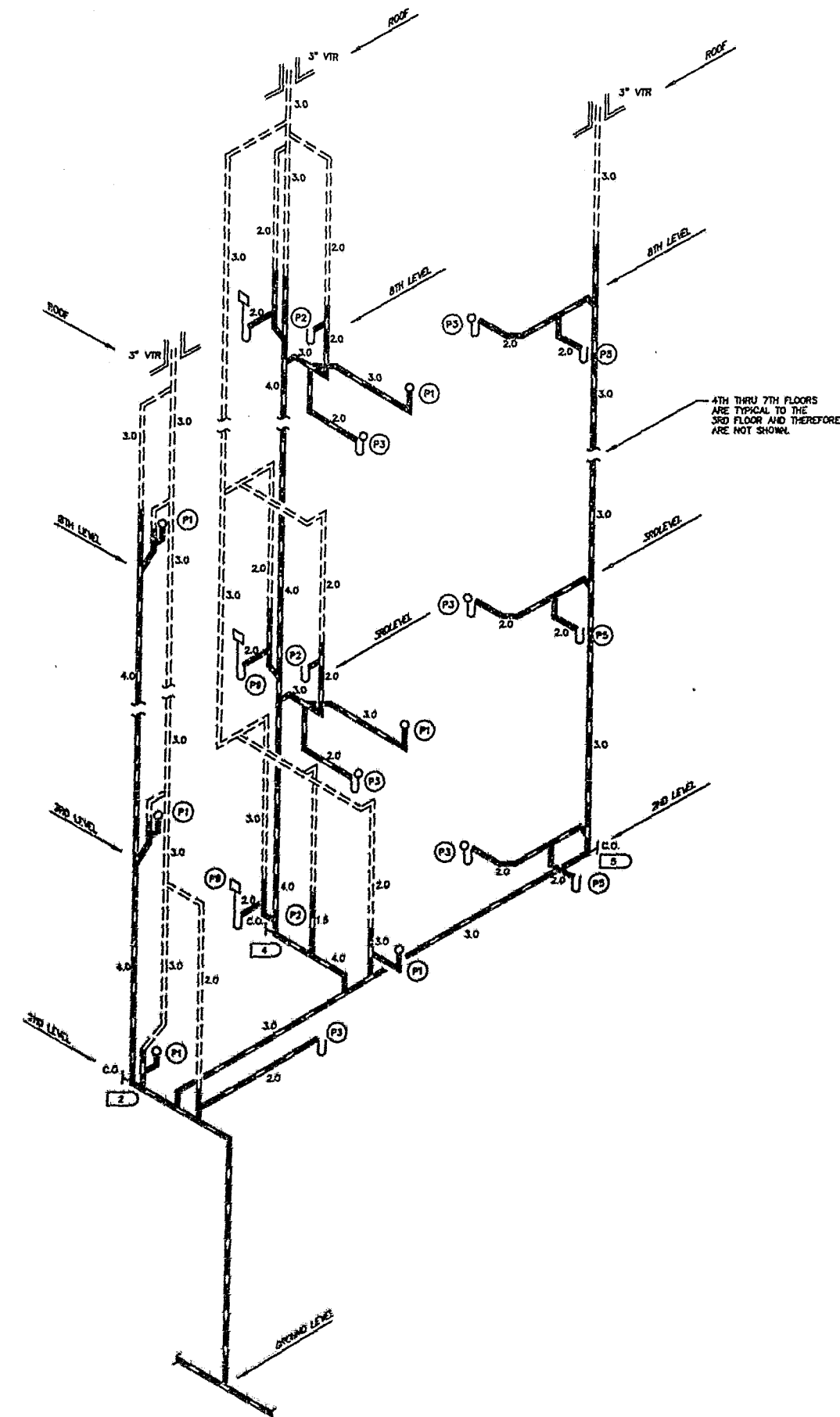


SHOCK ARRESTOR SCHEDULE						
FIXTURE UNITS	1-11	12-32	33-50	51-113	114-154	155-338
P.O.L. UNITS	A	B	C	D	E	F
ZURIN	Z-1788-100	Z-1788-200	Z-1788-300	Z-1788-400	Z-1788-500	Z-1788-600
WABE	W-16	W-18	W-20	W-22	W-24	W-26
JOBAM	73001	73002	73003	73004	73005	73006
SMITH	8005	8016	8020	8030	8040	8050

CLEANOUT APPLICATION		CLEANOUT TYPE		SCHEDULE		JOBAM	SMITH	WABE
FINISHED CONCRETE FLOOR (CAST IRON BODY, BRONZE PLUG, NICKEL BRONZE TOP)				2-1420	5800-22-X		4228	W-7340-K
FINISHED WALL (CAST IRON BODY, BRONZE PLUG STAINLESS STEEL COVER				2-1446	58790-22		4332	W-6480-R
EXPOSED PIPING (CAST IRON BODY, BRONZE PLUG)		HORIZONTAL	2-1440	58500-22		4400		W-6556-S
		VERTICAL	2-1445	58510-22		4512		W-6560-D
TILED AREA (CAST IRON BODY, BRONZE PLUG, NICKEL BRONZE TOP)		ROUND	2-1425-6	58000-12		4148		W-7340-T
		SQUARE	2-1425-3	58020-12		4048		W-7340-S
		QUARRY TILE	2-1415-2	58008-1		4108		W-7340-X
CARPETED AREA (CAST IRON BODY, BRONZE PLUG NICKEL BRONZE TOP)			2-1425-14	58000-14		4228-Y		W-7340-DM
TERRAZZO, T. OR BODY, BRONZE PLUG, NICKEL BRONZE TOP			2-1425-10	58040-1-13		4180		W-7340-U
DEXOTEX (CAST IRON BODY, BRONZE PLUG, NICKEL BRONZE TOP)				58000-30		DX-4343		W-7340-D



SANITARY WASTE/VENT RISER DIAGRAM



DESIGN FIRM  
HENDERSON ENGINEERING  
6720 TRAIL BLVD N.  
NAPLES, FLORIDA 33967  
CERTIFICATE NO. EB0004450

DATE 3-12-96  
REVISIONS

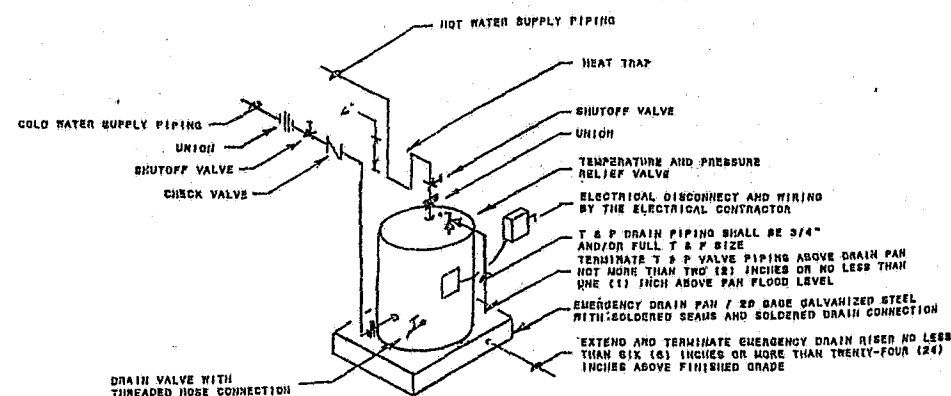
DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS

3255 NORTH TAMiami TRAIL, SUITE 202  
NAPLES, FLORIDA 33940(813) 434-2957

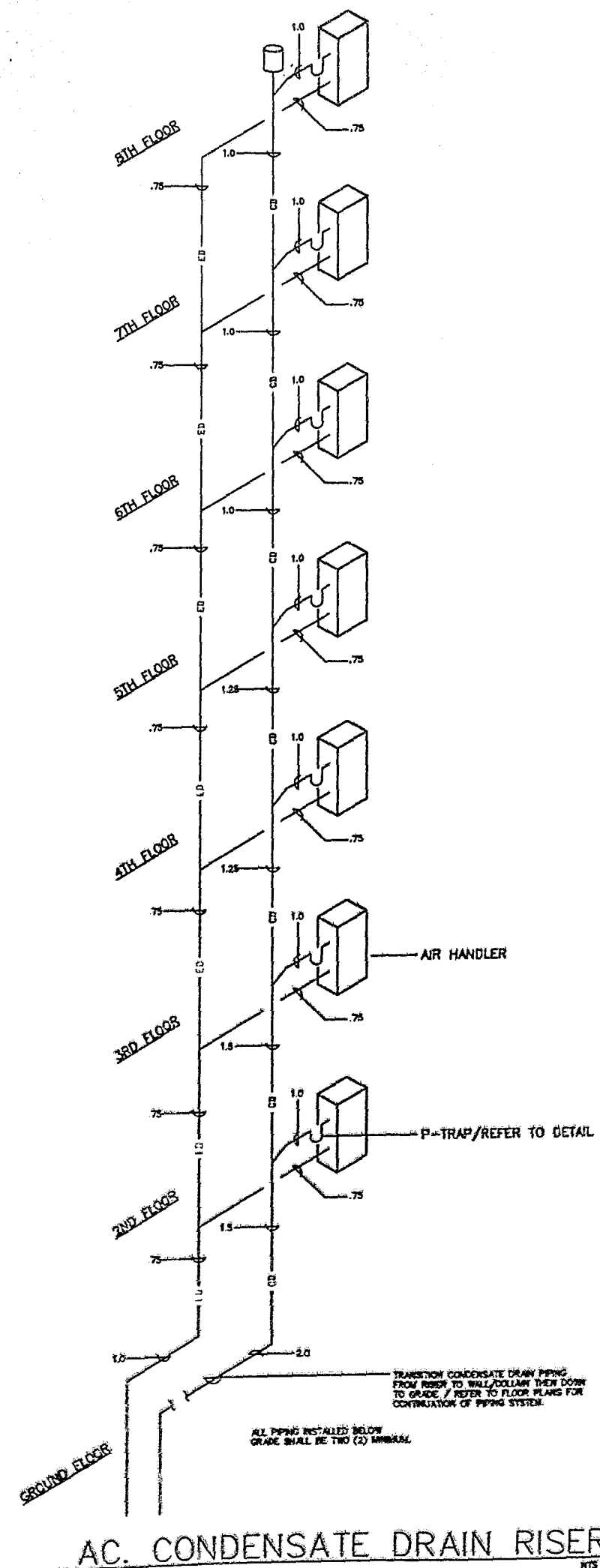
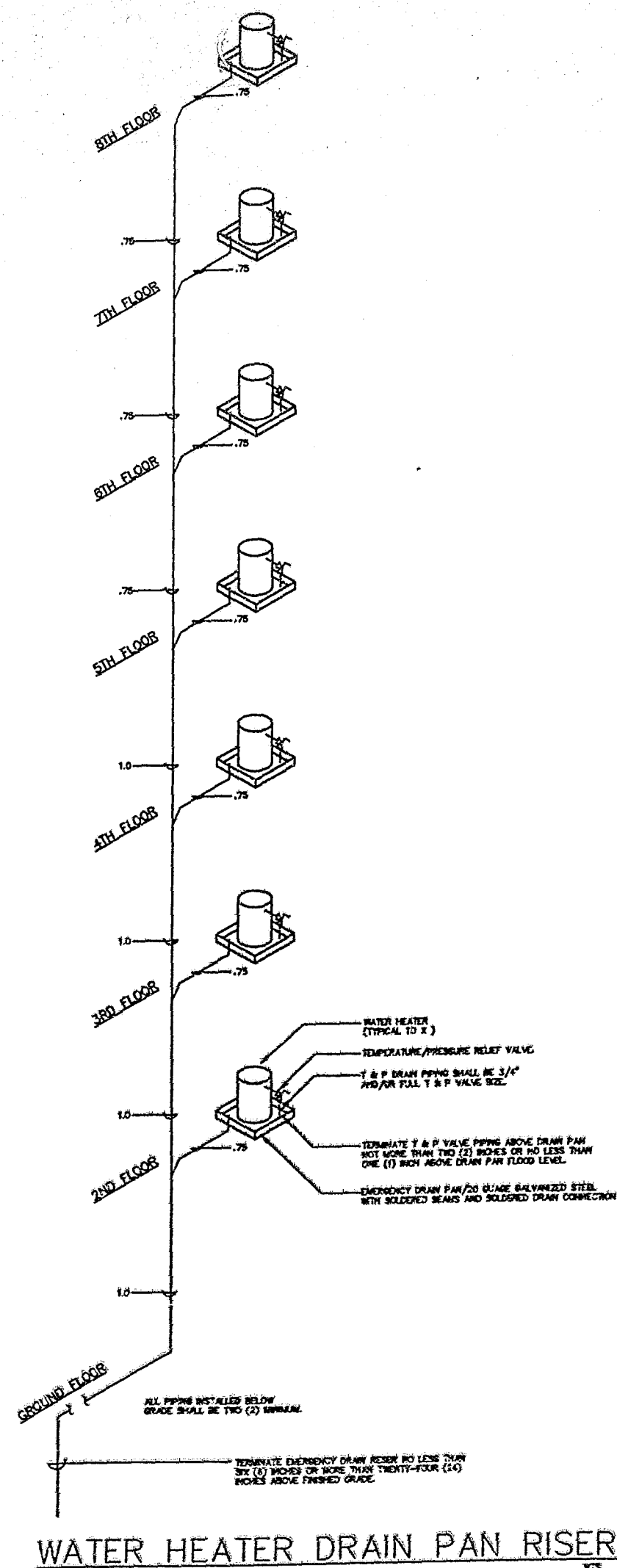
BAYPOINT CONDOMINIUM  
PHASE TWO

SANITARY WASTE/VENT  
RISER DIAGRAM

P-5



STEEL PIPE OR TUBE SIZE	HANGER SPACING	MINIMUM ROD DIAMETER
1/2" - 1"	7'-0"	1/4"
1-1/4" - 1-1/2"	8'-0"	3/8"
2"	10'-0"	3/8"
2-1/2"	11'-0"	3/8"
3"	12'-0"	3/8"
4"	14'-0"	1/2"
5"	17'-0"	1/2"
6"	19'-0"	5/8"
COPPER PIPE OR TUBE SIZE	HANGER SPACING	MINIMUM ROD DIAMETER
1/2" - 3/4"	5'-0"	1/4"
1"	6'-0"	1/4"
1-1/2"	8'-0"	3/8"
2"	8'-0"	3/8"
2-1/2"	9'-0"	3/8"
3"	10'-0"	3/8"
4"	12'-0"	1/2"
PVC PIPE	HANGER SPACING	MINIMUM ROD DIAMETER
1/2" - 3/4"	4'-0"	1/4"
1"	4'-0"	1/4"
1-1/4" - 1-1/2"	5'-0"	3/8"
2"	5'-0"	3/8"
2-1/2"	6'-0"	3/8"
3"	6'-0"	3/8"
4"	7'-0"	1/2"
5"	8'-0"	5/8"

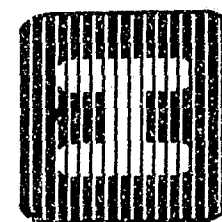


# SCHEDULES, NOTES AND DETAILS

DESIGN FIRM  
SENHOF ENGINEERING  
6326 TRAIL BLVD 4  
NAPLES, FLORIDA 33963  
CERTIFICATE NO. 690004460

CONTACT PERSON  
ERIC M. SENHOF  
FLORIDA 00000000  
(941) 265-2655  
04/28/2005

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS



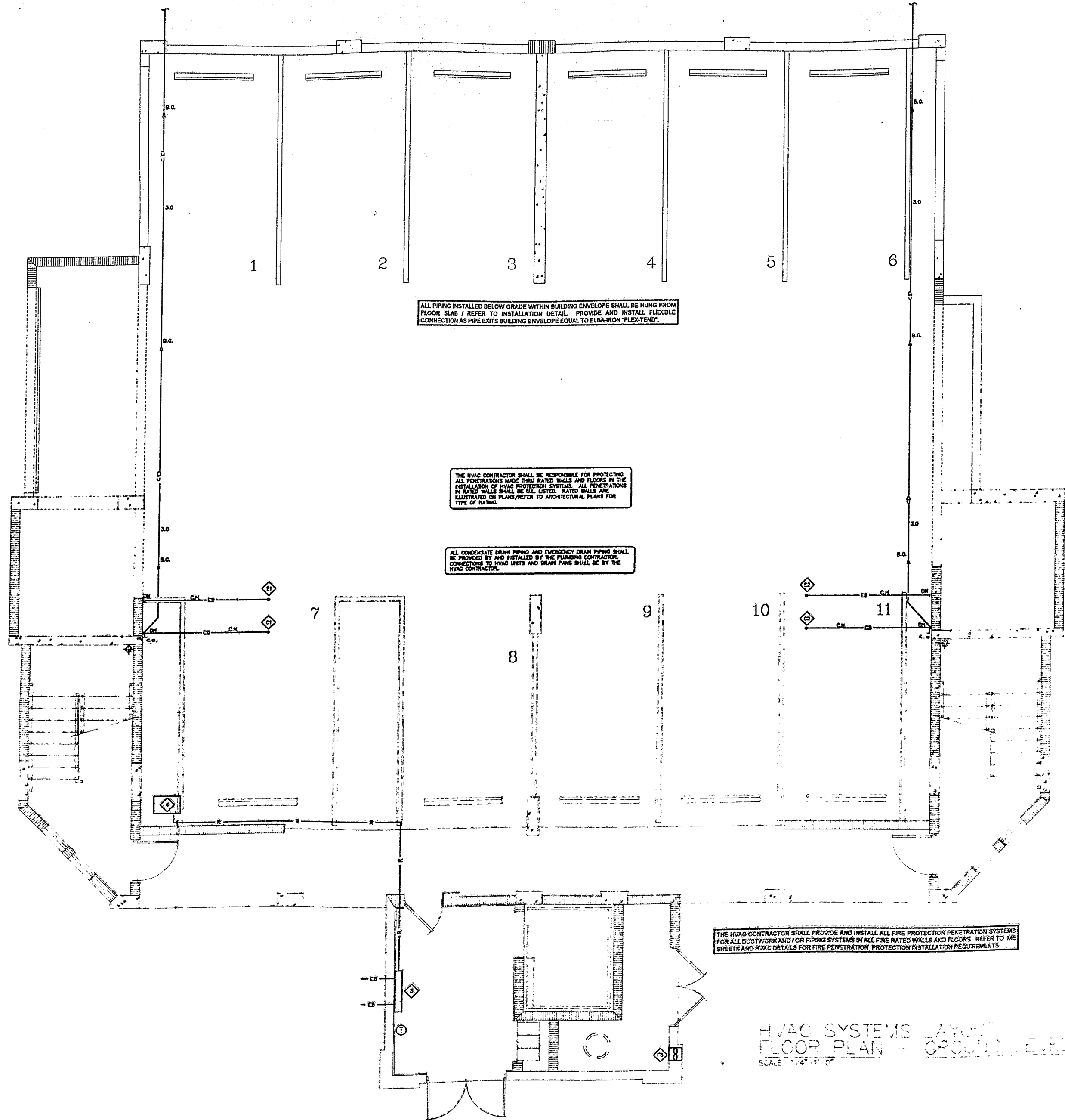
DRAWN RES/EH  
COMM. NO  
DATE 3-12-96  
REVISIONS

BAYPOINT CONDOMINIUM  
PHASE TWO

SCHEDULES, NOTES AND DETAILS

P-6





DESIGN FIRM  
SPINOFF ENGINEERING  
6320 RAIL BLVD. N.  
NAPLES, FL 34109  
CERTIFICATE NO. EB0004450

CONTACT PERSON  
ERIC SPINOFF  
941-438-2655 FAX  
941-438-2655

M-1

HVAC SYSTEMS LAYOUT

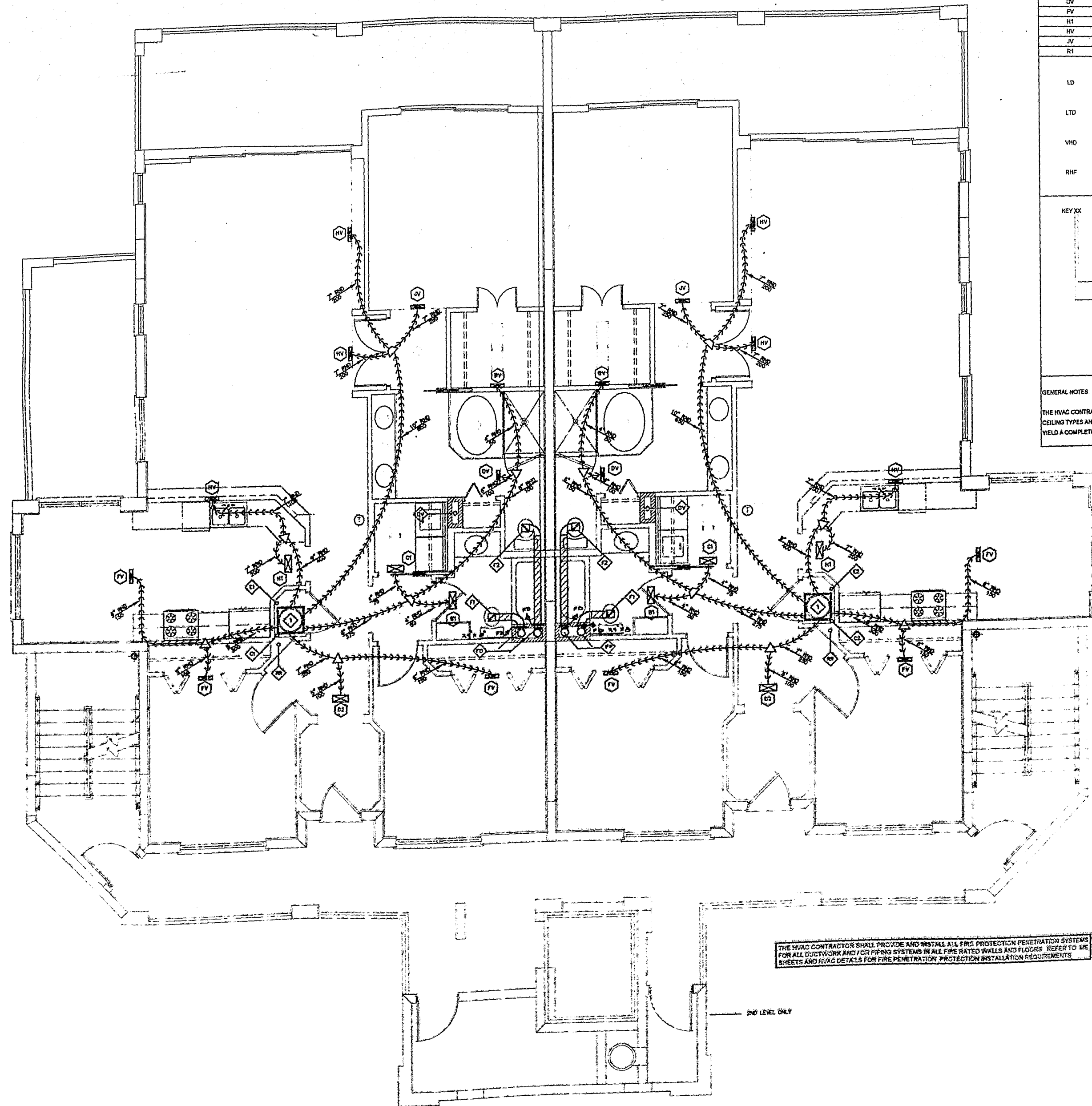
GROUND LEVEL

BAYPOINT CONDOMINIUM  
PHASE TWO

DRAWN	RES/VEH	COMM. NO.	DATE	REVISIONS
			3-12-96	



DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMiami TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987



HVAC SYSTEMS LAYOUT - 2ND THRU 8TH LEVEL

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

THE HVAC CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE PROTECTION PENETRATION SYSTEMS FOR ALL DUCTWORK AND/OR PIPING SYSTEMS IN ALL FIRE RATED WALLS AND FLOORS. REFER TO ME SHEETS AND HVAC DETAILS FOR FIRE PENETRATION PROTECTION INSTALLATION REQUIREMENTS.

2ND LEVEL ONLY

SUPPLY AIR DIFFUSER / RETURN AIR GRILLE SCHEDULE				
SYMBOL	CFM	THROW	SIZE	SERIES
B1	50	1W	6/8	LD
BV	50	2W	6/4	VHD
G1	75	1W	8/8	LD
G2	100	2W	8/8	LTD
DV	100	2W	10/4	VHD
FV	150	2W	8/8	VHD
H1	200	1W	12/12	LD
HV	200	2W	12/8	VHD
JV	250	2W	14/16	VHD
R1	1001-2000	EXHAUST	22/48	RHF

SUPPLY AIR DIFFUSER / RETURN AIR GRILLE DESCRIPTION	
LD	METAL/ALUMINUM CEILING SUPPLY AIR DIFFUSER WITH O.B. DAMPER/ADJUSTABLE 1-WAY THROW, FINISH TO MATCH CEILING.
LTD	METAL/ALUMINUM CEILING SUPPLY AIR DIFFUSER WITH O.B. DAMPER / ADJUSTABLE 2-WAY THROW, FINISH TO MATCH CEILING.
VHD	METAL/ALUMINUM SIDEWALL DIFFUSER WITH HORIZONTAL AND VERTICAL DEFLECTION BARS WITH DAMPER, FINISH TO MATCH CEILING.
RHF	METAL/ALUMINUM SERIES RHF FILTER BACK RETURN AIR GRILLE WITH 45 DEGREE CURVED BLADES, FINISH TO MATCH CEILING.

KEY XX

THROW	NUMBER 1	ONE WAY
	NUMBER 2	TWO WAY / OPPOSITE
	NUMBER 3	THREE WAY
	NUMBER 4	FOUR WAY
CFM	LETTER C	CORNER THROW
	LETTER L	LINEAR SLOT
	LETTER V	SIDEWALL

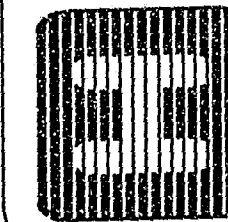
  

GENERAL NOTES

THE HVAC CONTRACTOR SHALL VERIFY AND COORDINATE THE COMPATIBILITY OF ALL DIFFUSERS WITH CEILING TYPES AND/OR WALL TYPES. PROVIDE WITH ALL HARDWARE FOR INSTALLATION AS REQUIRED TO YIELD A COMPLETE AND OPERATIONAL HVAC SYSTEM. (RFP HAS 30.9 / DIFF)

HVAC SYMBOL LEGEND	
----	SUPPLY AIR DUCT (FLEXIBLE)
----	RETURN AIR DUCT
----	EXHAUST AIR DUCT
⊗	SUPPLY AIR DIFFUSER
⊗	EXHAUST AIR GRILLE
⊗	THERMOSTAT
⊗	SUPPLY/RETURN AIR GRILLE DESIGNATOR
⊗	HVAC EQUIPMENT NOTE SYMBOL
----	CONDENSATE DRAIN PIPING
----	EMERGENCY DRAIN PIPING
----	THERMOSTAT CONTROL PIPING

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS



3255 NORTH TAMiami TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987

BAYPOINT CONDOMINIUM  
PHASE TWO

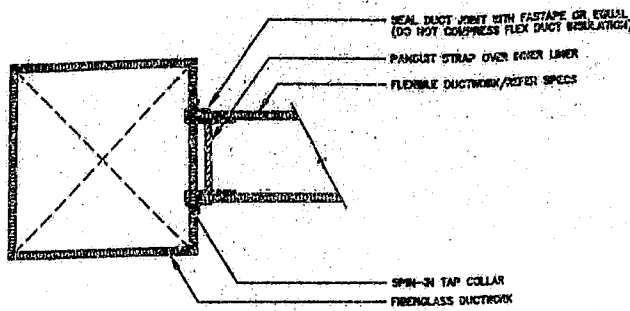
HVAC SYSTEMS LAYOUT

2ND THRU 8TH LEVEL

M-2

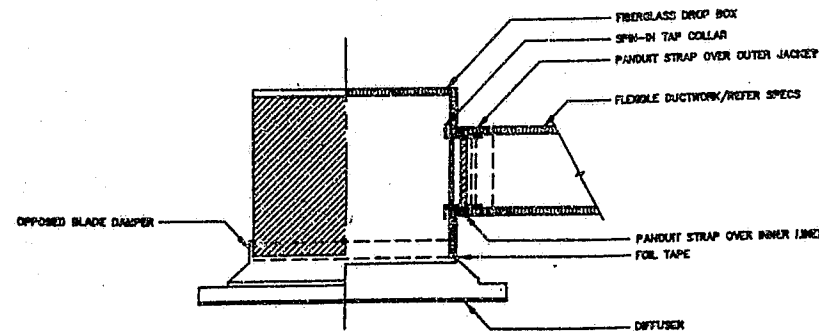
DESIGN FIRM  
DAVID HUMPHREY & ASSOCIATES AIA  
3255 NORTH TAMiami TRAIL SUITE 202  
NAPLES, FLORIDA 33940  
CERTIFICATE NO. FBC-000442





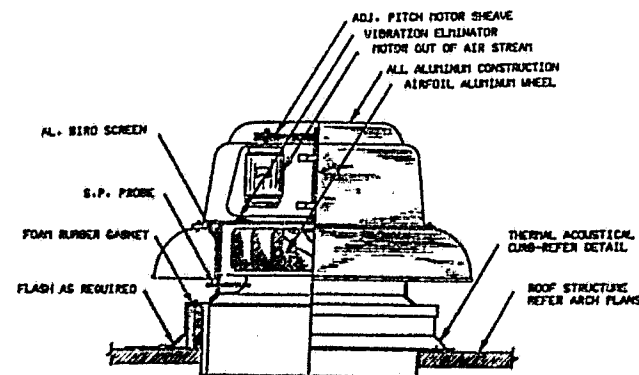
FLEXIBLE DUCT TAKE-OFF DETAIL

-NTS-



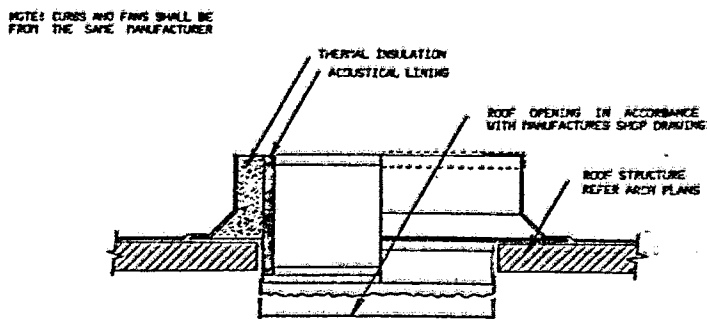
DIFFUSER INSTALLATION DETAIL

-NTS-



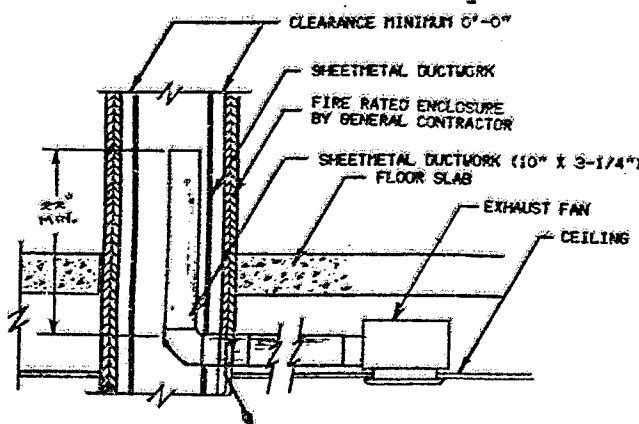
EXHAUST FAN DETAIL

-NTS-



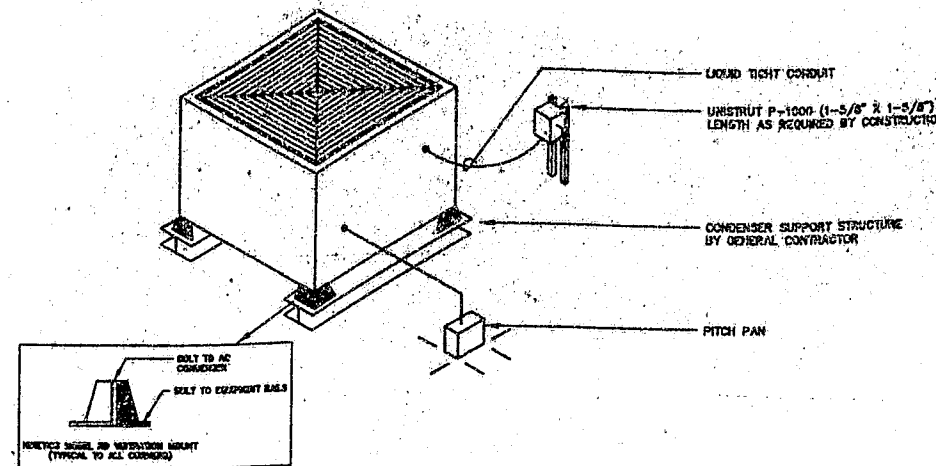
ROOF CURB DETAIL

-NTS-



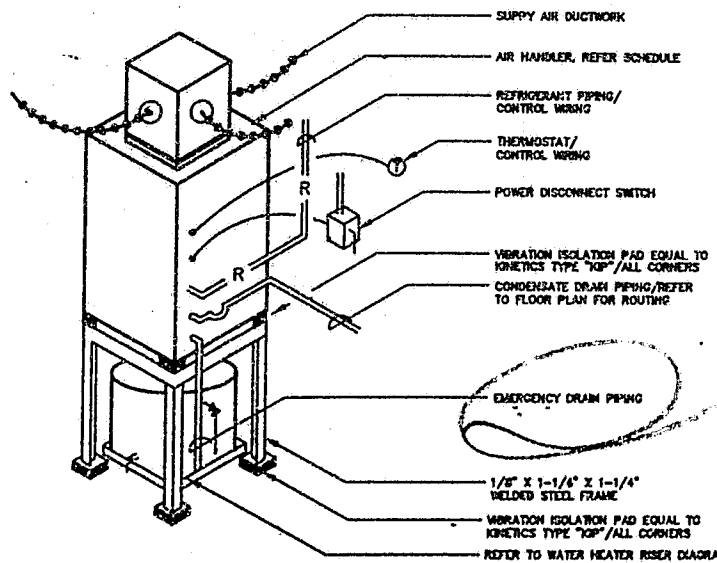
EXHAUST FAN / SHAFT DETAIL

-NTS-



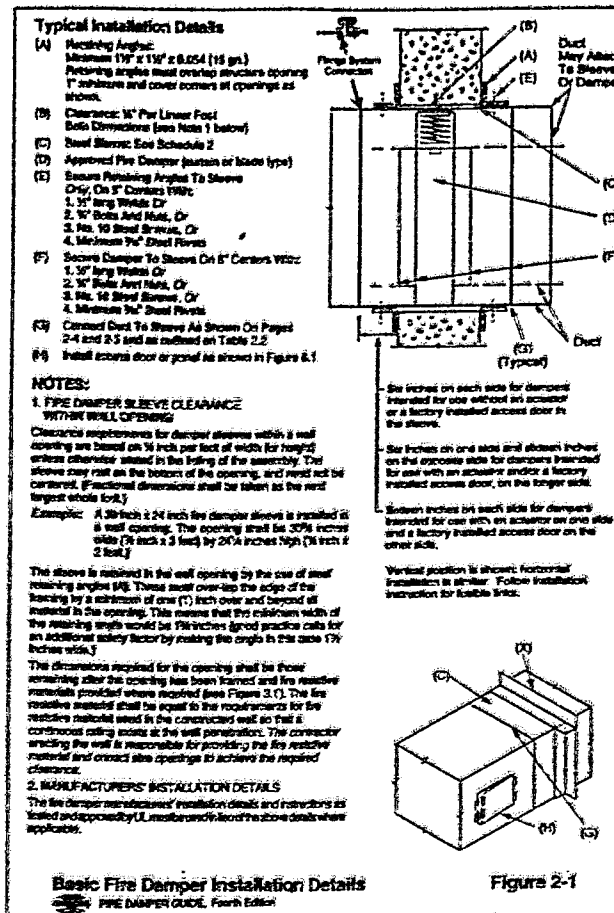
ROOF MOUNTED CONDENSER UNIT

-NTS-



VERTICAL AIR HANDLER INSTALLATION DETAIL/TYPICAL

-NTS-



DRYER EXHAUST DUCTWORK DETAIL

-NTS-

# AIR CONDITIONING EQUIPMENT:

## GENERAL AIR CONDITIONING SYSTEM REQUIREMENTS:

FURNISH AND INSTALL SPLIT SYSTEM DIRECT EXPANSION AIR CONDITIONING SYSTEM AS SCHEDULED ON DRAWINGS. THE SYSTEMS SHALL BE COMPLETELY FACTORY ASSEMBLED AND TESTED, AND SHALL INCLUDE OUTDOOR CONDENSING UNIT WITH HERMETIC COMPRESSOR IN WEATHER RESISTANT CABINET, INDOOR AIR HANDLING UNIT WITH A MINIMUM ENCLOSURE INSULATION R-VALUE OF 4.2, FAN MOTORS, REFRIGERANT PIPING, INSULATION, INTERCONNECTING CONTROL WIRE, LOW VOLTAGE TRANSFORMER, PREWIRED CONTROL PANEL, THERMOSTAT, AND OTHER NECESSARY COMPONENTS AS REQUIRED TO YIELD A COMPLETE AND OPERATIONAL SYSTEM. THE SPLIT SYSTEM AIR CONDITIONING SYSTEM SHALL BE SOUND RATED PER A.R.I. STANDARD 270 AND OPERATION SOUND LEVEL SHALL NOT EXCEED 17 DBN. THE COMPRESSOR SHALL HAVE HIGH AND LOW PRESSURE PROTECTION, SUMP HEAT AND OVERLOAD PROTECTION. THE SPLIT SYSTEM AIR CONDITIONING SYSTEM SHALL HAVE SEER-SEER VALUES IN ACCORDANCE WITH THE FLORIDA MODEL ENERGY EFFICIENCY CODE. THE UNIT SHALL HAVE A MANUFACTURER'S FIVE (5) YEAR COMPRESSOR WARRANTY.

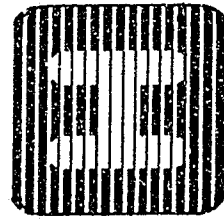
TRANSITION FROM AIR HANDLER SUPPLY AIR OUTLET AND RETURN AIR INLETS TO DUCTWORK SIZES AS ILLUSTRATED ON DRAWINGS. TRANSITION AS REQUIRED TO INSTALL DUCTWORK IN CEILING/JOIST SPACE. PROVIDE AND INSTALL INSULATED PVC CONDENSATE DRAIN WITH TRAP AS SIZED FROM AIR HANDLER AS SHOWN TO GRADE. INSULATE CONDENSATE DRAIN PIPING WITH ARMAFLEX TYPE FIRE RATED INSULATION. PROVIDE AND INSTALL 3/4" EMERGENCY DRAIN FROM AIR HANDLER EMERGENCY DRAIN PAN AS ILLUSTRATED AND/OR TO EXTERIOR WALL AND TURN DOWN.

PROVIDE AND INSTALL A COMPLETE REFRIGERANT PIPING WITH ALL ACCESSORIES SIZED FOR LENGTH OF RUN. INSTALL ALL BELOW GRADE REFRIGERANT PIPING IN SLEEVES, WATER PROOF REFRIGERANT PIPING INSULATED AT ALL WALL/GRADE PENETRATIONS. REFRIGERANT INSTALLED EXPOSED OUTDOOR EXTERIOR WALL SHALL BE ENCLOSED BY PROTECTIVE SHIELD. REFER TO THE CONDENSER DETAIL FOR INSTALLATION REQUIREMENTS. REFRIGERANT PIPING INSULATION SHALL BE EQUAL TO "AP ARMAFLEX", FLAME-SPREAD SHALL BE 25 OR LESS AND THE SMOKE-DEVELOPED RATING OF 50 OR LESS. ALL EXTERIOR EXPOSED INSULATION SHALL BE PROTECTED/PAINTED WITH "WB ARMAFLEX" FINISH AS RECOMMENDED BY INSULATION MANUFACTURER. INSULATION R-VALUE SHALL BE IN CONFORMANCE WITH THE FLORIDA MODEL ENERGY EFFICIENCY CODE.

- AIR HANDLER - EQUAL TO TRANE MODEL TWD00C158/208V/1/1/60. THE UNIT SHALL HAVE THE CAPABILITY OF PROVIDING 1875 CFM AT 48 EXTERNAL STATIC PRESSURE. PROVIDE WITH FACTORY INSTALLED ELECTRIC HEAT (9.6 KW) @ 208V/32000 BTUH AND FACTORY MATCHING THERMOSTAT BAY 28 X 182 AND ALL CONTROL WIRING.
- CONDENSING UNIT - EQUAL TO TRANE MODEL TTD04C100A/208V/1/1/60. (46500 BTUH COOLING). CONDENSER SHALL BE SUPPLIED WITH ALL REFRIGERANT PIPING (R-22) AND ACCESSORIES, AS REQUIRED BY LENGTH OF RUN (SYSTEM SEER 10.65 MINIMUM).
- AIR HANDLER (HEAT PUMP) - EQUAL TO SANYO MODEL KMH0912208V1/60. THE UNIT SHALL HAVE THE CAPABILITY OF PROVIDING 220 CFM PROVIDE WITH FACTORY MATCHING THERMOSTAT AND ALL CONTROL WIRING.
- HEAT PUMP UNIT - EQUAL TO SANYO MODEL CMH1812208V1/60. TOTAL CAPACITY COOLING 16,600 / HEATING 18,900 BTUH HEAT PUMP / AIR HANDLERS SHALL BE SUPPLIED WITH ALL REFRIGERANT PIPING AND ALL ACCESSORIES, AS REQUIRED BY LENGTH OF RUN (SYSTEM SEER 9.2 MINIMUM HSPF 6.0).
- RE-CIRCULATING TYPE RANGE HOOD.
- EXHAUST FAN (BATH - ) - PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN BROAN "LOSONE" MODEL 330 / 100 / 120V WITH INTEGRAL DISCONNECT. PROVIDE AND INSTALL 4" ROUND AND / OR 3-1/4" X 10" SHEETMETAL DUCTWORK WITH ALL FITTINGS, TRANSITIONS, CONNECTIONS, ETC. AS REQUIRED FROM FAN TO FIRE RATED EXHAUST SHAFT 430. FAN CONTROLLED BY WALL SWITCH.
- EXHAUST FAN (MASTER BATH #1) - PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN EQUAL TO BROAN "LOSONE" MODEL 330 / 200 CFM / 120V. SOUND LEVEL 2.5 SONES MAXIMUM. PROVIDE AND INSTALL 4" ROUND AND / OR 3-1/4" X 10" SHEETMETAL DUCTWORK WITH ALL FITTINGS, TRANSITIONS, CONNECTIONS, ETC. AS REQUIRED FROM FAN TO FIRE RATED EXHAUST SHAFT. FAN CONTROLLED BY WALL SWITCH.
- DRYER EXHAUST FAN EQUAL TO ACME PRN135G / 720 CFM @ .375 IN. SP / 120V WITH INTERNAL DISCONNECT. PROVIDE AND INSTALL SHEET METAL DUCTWORK TRANSITION FROM DRYER EXHAUST DUCT TO EXHAUST FAN. REFER TO DETAIL FOR INSTALLATION REQUIREMENTS. FAN SHALL BE CONTROLLED VIA TIME CLOCK.
- BATHROOM EXHAUST FAN EQUAL TO ACME PRN135G / 720 CFM @ .375 IN. SP / 120V WITH INTERNAL DISCONNECT. PROVIDE AND INSTALL SHEET METAL DUCTWORK TRANSITION FROM BATHROOM EXHAUST DUCT TO EXHAUST FAN. REFER TO DETAIL FOR INSTALLATION REQUIREMENTS. FAN SHALL BE CONTROLLED VIA TIME CLOCK.
- FIRE DAMPER: PROVIDE AND INSTALL DAMPERS AT EXHAUST DUCT PENETRATION INTO FIRE RATED SHAFT / REFER TO DETAIL.
- AT AIR CONDITIONING CONDENSER LOCATION PROVIDE AND INSTALL EQUIPMENT RAILS EQUAL TO "HURRICANE" (FORCHUK MANAGEMENT INC) AC EQUIPMENT STAND. STAND SHALL BE CONSTRUCTED FROM EXTRUDED 6063-T5 ALUMINUM / WELDED LEGS. THE HVAC CONTRACTOR SHALL COORDINATE SIZE / MOUNTING / ETC WITH EQUIPMENT MANUFACTURER. COORDINATE INSTALLATION WITH ROOFING AND GENERAL CONTRACTOR.
- CONDENSATE DRAIN RISERS SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR. CONNECTIONS TO AIR HANDLER BY HVAC CONTRACTOR. ("X" REFERS TO RISER NUMBER)
- EMERGENCY DRAIN RISERS SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR. CONNECTIONS TO AIR HANDLER BY HVAC CONTRACTOR. ("X" REFERS TO RISER NUMBER)
- REFRIGERANT PIPING RISER AND CONTROL WIRING IN CHASE TO CONDENSER LOCATIONS. PROVIDE AND INSTALL WITH ALL TRANSITIONS, BENDS, ACCESSORIES AS REQUIRED
- ELEVATOR VENT: PROVIDE AND INSTALL WALL LOUVER EQUAL TO VENT PRODUCTS EXTRUDED ALUMINUM MODEL 2750 "ARREST-O-VENT (36" X 36") AND SHEET METAL DUCT COMPLETE FROM INTAKE LOUVER TO ELEVATOR SHAFT A MINIMUM OF THREE (3) SQUARE FEET OF FREE AREA. REFER TO INSTALLATION DETAIL.
- TRASH CHUTE VENT: PROVIDE AND INSTALL ROOF MOUNTED TERMINAL AND SHEET METAL DUCT COMPLETE FROM INTAKE LOUVER TO TRASH CHUTE. REFER TO ARCHITECTURAL INSTALLATION DETAIL. (BP2-940001 AC2)

Not Info Heater Pan do something

DAVID HUMPHREY & ASSOCIATES AIA ARCHITECTS



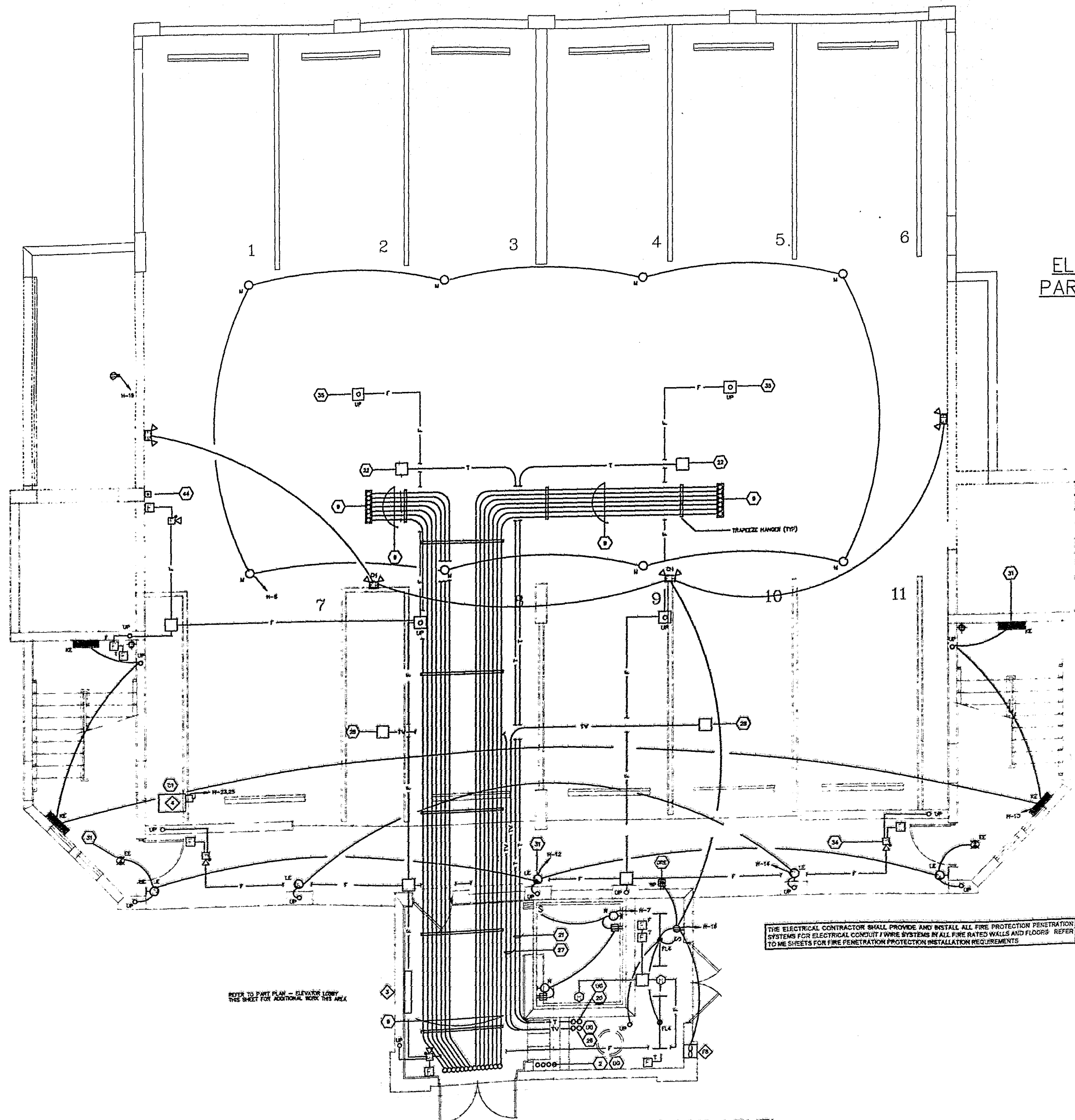
3255 NORTH TAMMAM TRAIL SUITE 202 NAPLES, FLORIDA 33940 (813) 434-2987

BAYPOINT CONDOMINIUM PHASE TWO

HVAC SYSTEMS SCHEDULES, NOTES AND DETAILS

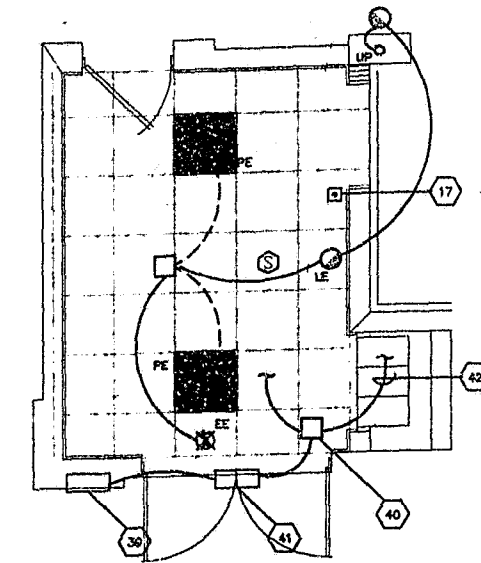
M-3

3-20-96



ELECTRICAL SYSTEMS LAYOUT - GARAGE LEVEL

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



ELECTRICAL SYSTEMS LAYOUT  
PART PLAN - ELEVATOR LOBBY

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

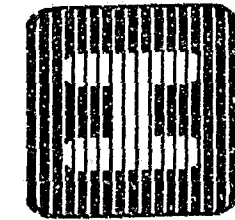
Shall Meet  
Collier County Electrical Code  
Ordinance No. 95-18  
Referencing National Electrical Code

DESIGN FIRM  
SERVING ENGINEERS  
6526 TRAIL BLVD. N.  
NAPLES, FLORIDA 33903  
CERT. NO. 180004450

CONTACT PERSON  
ERIC J. HUMPHREY  
1911 388 2855 FAX

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS

3255 NORTH TAMiami TRAIL, SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987



CRANK RES/EH  
COMM. NO.  
DATE: 3-12-96  
REVISIONS

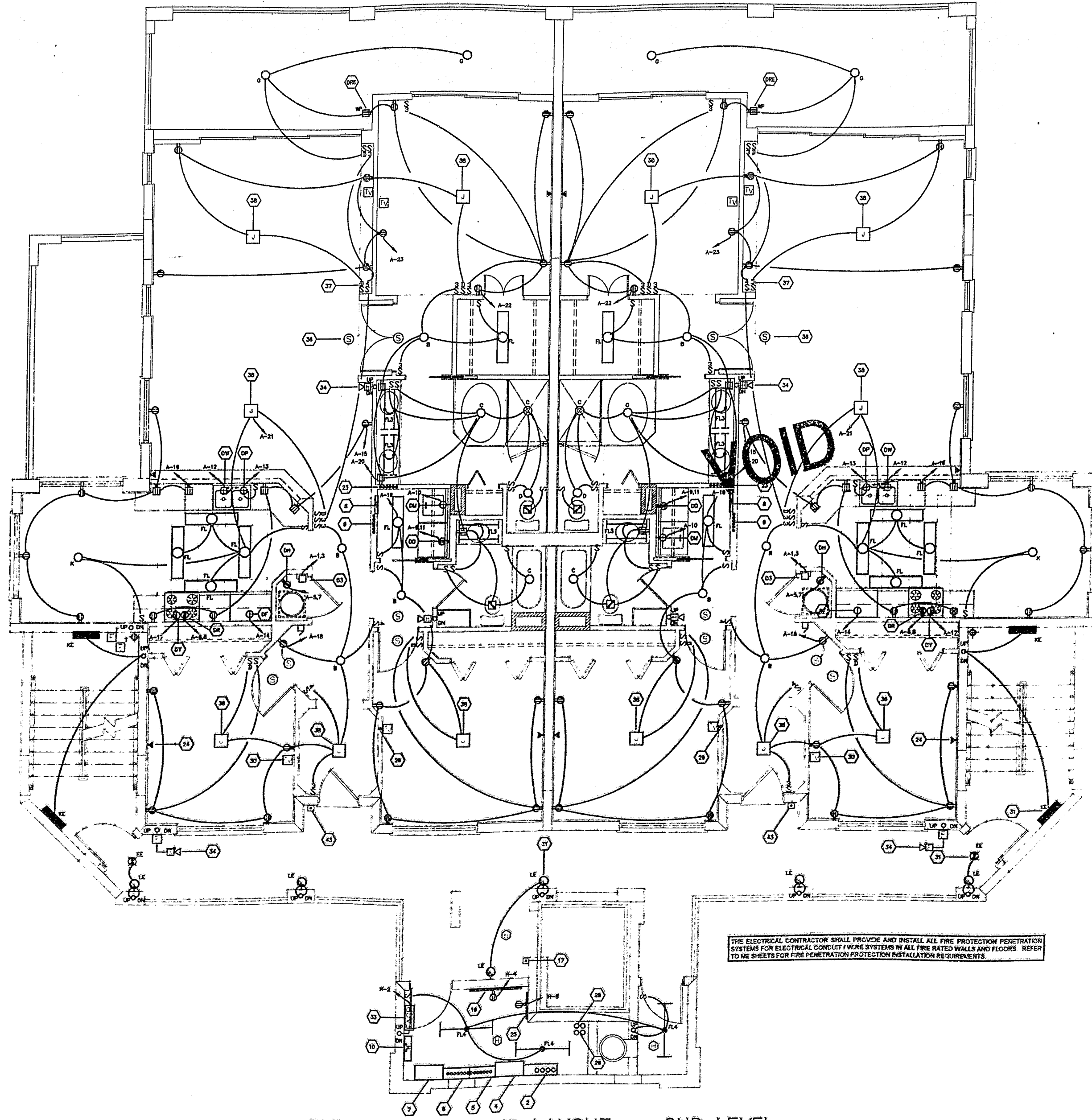
BAYPOINT CONDOMINIUM  
PHASE TWO

ELECTRICAL SYSTEMS LAYOUT

GARAGE LEVEL

E-1





ELECTRICAL SYSTEMS LAYOUT - 2ND LEVEL

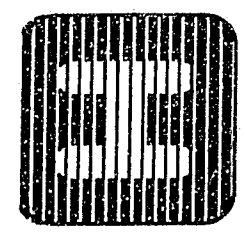
SCALE: 1/4" = 10'

THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE PROTECTION PENETRATION SYSTEMS FOR ELECTRICAL CONDUIT / WIRE SYSTEMS IN ALL FIRE RATED WALLS AND FLOORS. REFER TO ME SHEETS FOR FIRE PENETRATION PROTECTION INSTALLATION REQUIREMENTS.

ELECTRICAL SYMBOL LEGEND	
	WALL OUTLET BOX AND 20 AMP GFI RECEPTACLE AND WEATHER PROOF
	WALL OUTLET BOX AND 20 AMP GFI RECEPTACLE
	WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE (HALF SWITCHED)
	WALL OUTLET BOX AND SPECIAL PURPOSE RECEPTACLE
	WALL OUTLET BOX AND 20 AMP SINGLE RECEPTACLE
	WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE
	WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE (MOUNTED ABOVE COUNTER TOP)
	FLOOR OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE
	1X4 FLUORESCENT LIGHT / NORMAL BRANCH
	2X4 FLUORESCENT LIGHT / NORMAL BRANCH
	2X2 FLUORESCENT LIGHT / NORMAL BRANCH
	1X4 FLUORESCENT LIGHT / LIFE SAFETY BRANCH
	2X4 FLUORESCENT LIGHT / LIFE SAFETY BRANCH
	2X2 FLUORESCENT LIGHT / LIFE SAFETY BRANCH
	1X4 FLUORESCENT LIGHT / CRITICAL BRANCH
	2X4 FLUORESCENT LIGHT / CRITICAL BRANCH
	2X2 FLUORESCENT LIGHT / CRITICAL BRANCH
	CEILING OUTLET BOX AND HID OR INCANDESCENT FIXTURE / NORMAL BRANCH
	CEILING OUTLET BOX AND HID OR INCANDESCENT FIXTURE / LIFE SAFETY BRANCH
	WALL MOUNTED BRACKET LIGHT / NORMAL BRANCH
	WALL MOUNTED BRACKET LIGHT / LIFE SAFETY BRANCH
	1X4 FLUORESCENT STRIP / NORMAL BRANCH
	1X4 FLUORESCENT STRIP / LIFE SAFETY BRANCH
	EXIT LIGHT / LIFE SAFETY BRANCH
	CEILING OUTLET BOX FOR CEILING FAN
	WALL OUTLET BOX AND SINGLE POLE SWITCH (MOUNT AT 48" TO CENTERLINE)
	WALL OUTLET BOX AND 3-WAY SWITCH (MOUNT AT 48" TO CENTERLINE)
	WALL OUTLET BOX AND 4-WAY SWITCH (MOUNT AT 48" TO CENTERLINE)
	DOOR BELL CHIME
	TELEPHONE WALL OUTLET
	TV RACK BOX
	COMPUTER WALL OUTLET
	FLUSH WALL OR ABOVE CEILING JUNCTION BOX
	120/240 BRANCH CIRCUIT PANELBOARD FLUSH MOUNTED
	DISCONNECT SWITCH, SIZE AND TYPE AS NOTED
	ELECTRICAL NOTE SYMBOL

NOTE: NOT ALL SYMBOLS IN THIS LEGEND ARE APPLICABLE TO THIS PROJECT.

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS



3255 NORTH TAMiami TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2887

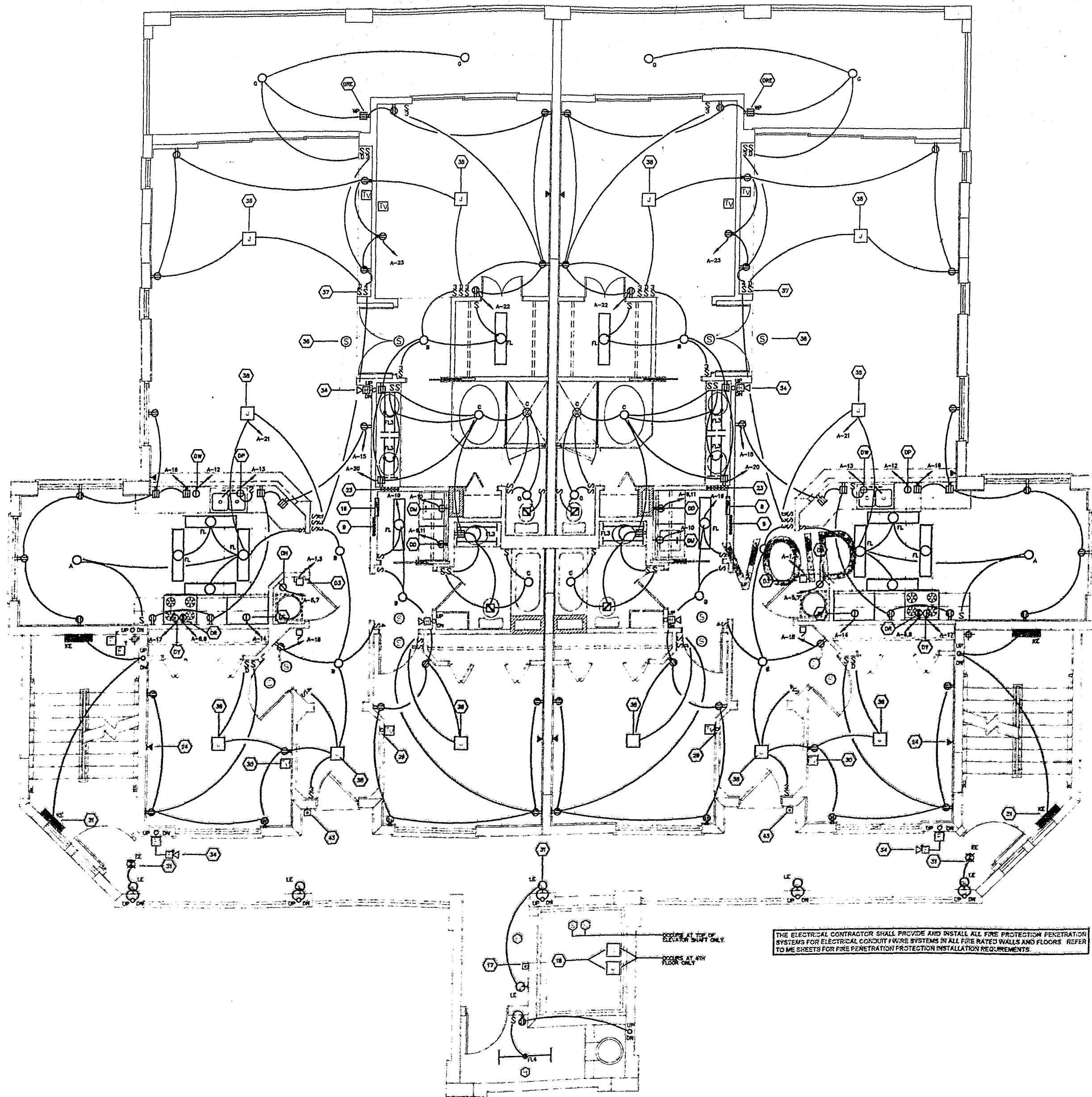
JRW: RLS: LHT  
COMM NO.  
DATE 3-12-96  
REVISIONS

BAYPOINT CONDOMINIUM  
PHASE TWO

POWER SYSTEMS LAYOUT  
LIGHTING SYSTEMS LAYOUT  
2ND LEVEL

DESIGN FIRM  
SENHOFF ENGINEERING  
6526 TRAIL BLVD N.  
NAPLES, FLORIDA 33963  
CERTIFICATE NO. E600444-C

VOID  
E2



ELECTRICAL SYSTEMS LAYOUT - 3RD THRU 8TH LEVEL

SCALE 1/4"=1'-0"

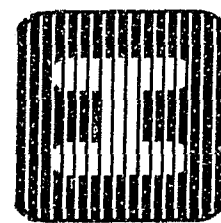
DESIGN FIRM  
SEANOR ENGINEERING  
6328 TRAIL BLVD.  
NAPLES, FLOR 34103  
CERT. DATE NO. 18000442

**VOID**  
E-3

POWER SYSTEMS LAYOUT  
LIGHTING SYSTEMS LAYOUT  
3RD THRU 8TH

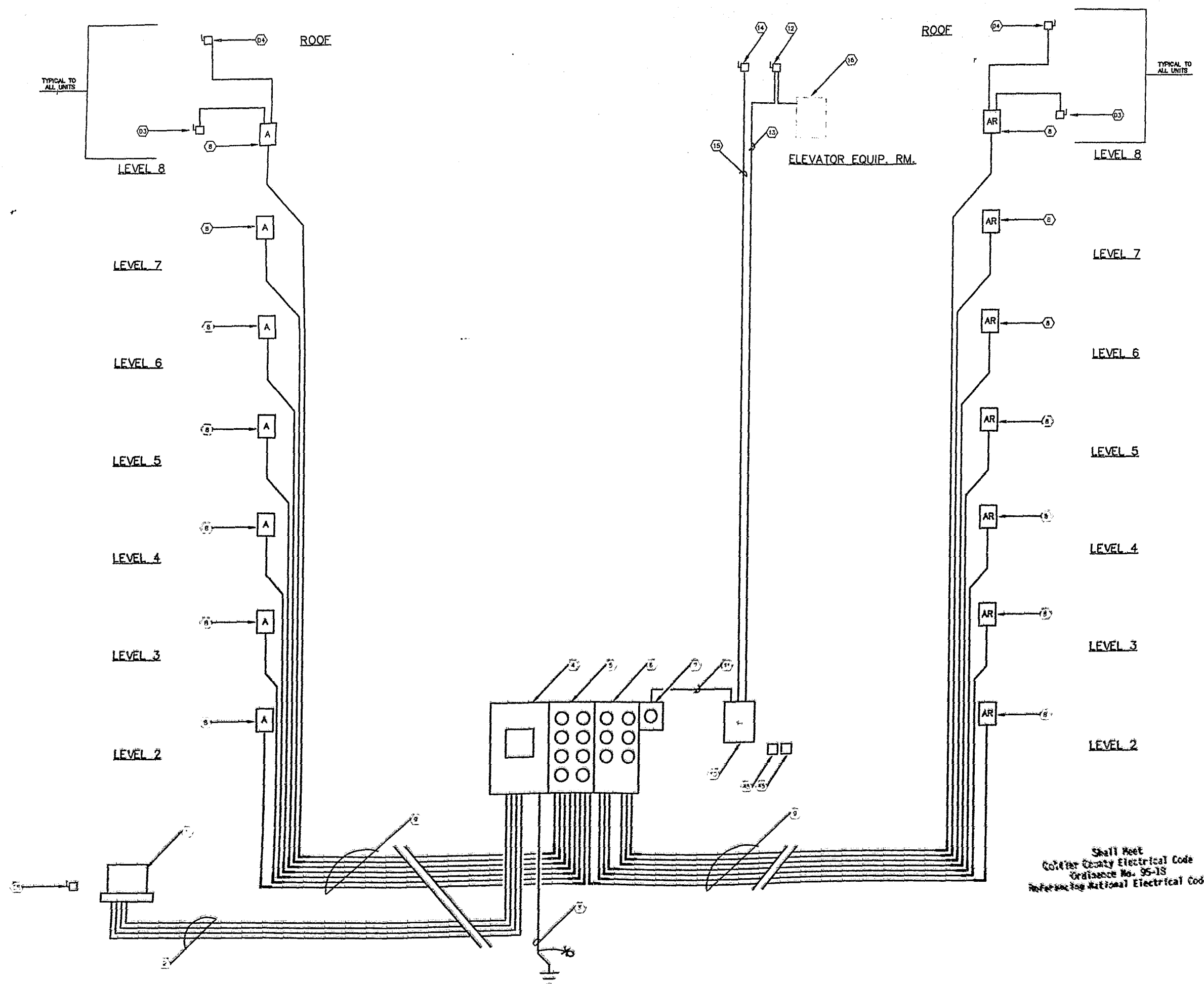
BAYPOINT CONDOMINIUM  
PHASE TWO

DRAWN RES/EPH  
CGM/N.C.  
DATE 3-12-96  
REVISIONS



DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMAMI TRAIL SUITE 202  
NAPLES, FLORIDA 33940(813) 434-2987





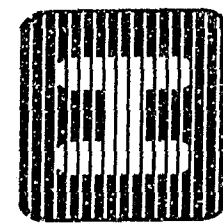
ELECTRICAL SINGLE LINE RISER DIAGRAM

- 40 POINT OF CONNECTION OF DOOR ENTRY AND TELEPHONE SYSTEM.
- 41 ELECTRIC DOOR STRIKE (12VDC) COORDINATE HARDWARE WITH GENERAL CONTRACTOR.
- 42 PROVIDE AND INSTALL 1" CONDUIT FROM DOOR ENTRY STATION TO DOOR ENTRY MASTER STATION WITH CONDUCTORS (COORDINATE CONDUCTOR NUMBER AND TYPES WITH EQUIPMENT SUPPLIER) MAKE ALL CONNECTIONS.
- 43 DOOR BELL PUSH BUTTON: PROVIDE AND INSTALL DOOR BELL SYSTEM, WIRING, TRANSFORMER, ETC. AS REQUIRED TO YIELD A COMPLETE AND OPERATIONAL SYSTEM.
- 44 GARAGE DOOR OPENER BUTTON: PROVIDE AND INSTALL CONDUIT AND J-BOXES AND LOW VOLTAGE WIRING FOR FUTURE GARAGE OPENER.
- 45 CONDUIT SYSTEM: PROVIDE AND INSTALL EXPANSION JOINTS AT ALL CONDUIT JOINTS AND AT ALL CHANGES IN DIRECTION. REFER TO INSTALLATION DETAIL.
- 46 7-DAY TIME SWITCH: EQUAL TO TORK MODEL W400L (4PST) / 120V / 40 AMP'S PER POLE / 4P WITH SN AND SPRING WOUND CARRY OVER IN NEMA 3R ENCLOSURE. (8PZEN DOG / ER)

ELECTRICAL SYSTEM RISER NOTES:

- 1 TRANSFORMER BY FLORIDA POWER AND LIGHT CO. (120-208V/3-W). THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH FLORIDA POWER & LIGHT CO. READING INSTALLATION REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL BUILDING PERMITS, FEES, ETC. AS REQUIRED TO PROVIDE A COMPLETE INSTALLATION. FLORIDA POWER & LIGHT CO COSTS OF TRANSFORMER AND INSTALLATION SHALL BE PAID BY OWNER. THE ELECTRICAL CONTRACTOR SHALL BASE BID PRICE ON DESIGNS AND LOCATIONS SHOWN WITH A PRICE PER FOOT TO EXTEND SERVICE TO AN ALTERNATE LOCATION.
- 2 SERVICE CONDUCTORS: PROVIDE AND INSTALL IN PARALLEL THREE (3) SETS OF (3) 600 MCM AL AND (1) 400 MCM AL NEUTRAL IN 3-1/2" CONDUITS FROM TRANSFORMER TO CONDUIT UNIT SERVICE ENTRANCE. BOND AS REQUIRED BY CODE. THE ELECTRICAL CONTRACTOR SHALL BASE BID ON DESIGN SHOWN WITH A PRICE PER FOOT TO EXTEND THE SERVICE TO AN ALTERNATE. (REFER TO NOTE "UG" FOR CONDUIT / WIRE INSTALLATION REQUIREMENTS).
- 3 PROVIDE AND INSTALL GROUNDING ELECTRODE SYSTEM CONSISTING OF THE FOLLOWING COMPONENTS:
  - (1) 3/4" EMT CONDUIT FROM SERVICE ENTRANCE NEUTRAL DOWN TO GRADE WITH #30 CU GROUNDING ELECTRODE CONDUCTOR TO CONCRETE ENCASED ELECTRODE (1/2" DIAMETER REINFORCING ROD WITH A MINIMUM OF 27 HORIZONTAL COVER/REFER TO INSTALLATION DETAIL).
  - (2) #30 CU GROUNDING ELECTRODE CONDUCTOR FROM THE CONCRETE ENCASED ELECTRODE TO A 56" X 10" DEEP DRIVEN COPPERWELD GROUND ROD.
  - (3) IF BURIED COPPER DOMESTIC WATER PIPE IS AVAILABLE EXTEND #30 CU GROUND ELECTRODE CONDUCTOR FROM CONCRETE ENCASED ELECTRODE TO METALLIC WATER PIPE.
- ALL CONNECTIONS SHALL BE MADE BY EXOTHERMIC WELD AND/OR LISTED LUGS, UL LISTED PRESSURE CONNECTORS OR UL LISTED CLAMPS. THE ENTIRE GROUND SYSTEM SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE SECTION 250.
- 4 MAIN SERVICE DISCONNECT: EQUAL TO SQ-E EZ METER-PAK MAIN CIRCUIT BREAKER SWITCH CATALOG NUMBER EZM321000NUR/1000 AMP/120-208V/3-4W/803P WITH SN IN NEMA 1 ENCLOSURE. (42,000 AIC).
- 5 METER STACK: EQUAL TO SQ-D EZ METER-PAK CATALOG NUMBER EZM42R1 (THREE PHASE IN-SINGLE PHASE OUT) WITH EIGHT (8) METER SOCKETS AND EIGHT (8) 150 AMP MAXIMUM SINGLE PHASE 02M2150VH CIRCUIT BREAKERS. (42,000 AIC).
- 6 METER STACK: EQUAL TO SQ-D EZ METER-PAK CATALOG NUMBER EZM42R2 (THREE PHASE IN-SINGLE PHASE OUT) WITH SIX (6) METER SOCKETS AND SIX (6) 150 AMP MAXIMUM SINGLE PHASE 02M2150VH CIRCUIT BREAKERS. (42,000 AIC).
- 7 METER STACK (HOUSE SERVICE) EQUAL TO SQ-D EZ METER-PAK CATALOG NUMBER EZM741-400R WITH ONE (1) METER SOCKET (BY-PASS TYPE) AND 400 AMP CIRCUIT BREAKER (42,000 AIC).
- 8 ELECTRIC DISTRIBUTION PANELS "A", "AR", EQUAL TO SQ-D 000L150 / 150 AMP MAINS / 120/240V / 1 / 60 / 30 POLES / NLO IN NEMA 1 ENCLOSURE. PROVIDE WITH CIRCUIT BREAKERS AS LISTED IN PANEL SCHEDULE. PANEL SHALL BE COMPLETE WITH INTERIOR, DOOR AND ALL ACCESSORIES.
- 9 FEEDER CONDUCTORS: (2) 800 AL AND (1) #10 AL AND (1) #6 AL EQUIPMENT GROUNDING CONDUCTOR IN 2" CONDUIT FROM METER CENTER DISCONNECT TO DISTRIBUTION PANEL. INSTALL 1/2" ELECTRICAL CONDUIT FITTINGS AT LOBBY AND IN GARAGE CEILING AT 90 DEGREE BENDS IN ALL UNIT CONDUITS. BOND WIRE AS REQUIRED.
- 10 ELECTRICAL DISTRIBUTION SECTION "H" EQUAL TO SQ-D HJHE CIRCUIT BREAKER DISTRIBUTION POWER STYLE SWITCHBOARD NEMA 1. THE DISTRIBUTION SECTION SHALL MEET U.L. STANDARD #991. NEMA PB2, AND REQ. STANDARDS. THE SWITCHBOARD SHALL BE DEAD FRONT WITH ACCESSIBILITY BISSING. THE THROUGH BUSS SHALL HAVE AMPACITY OF 400 AMPS / 3P AND SHALL BE RATED TO WITHSTAND A SHORT CIRCUIT OF 4000 RMS SYMMETRICAL AMPIERES EQUAL TO SQ-D H0274H INTERIOR, H0274H BOX AND H0274H MONO FLAT FRONT / MAIN LUG ONLY / 83 INCHES OF MOUNTING HEIGHT IN NEMA 1 ENCLOSURE. ALL ACCESSORIES AND CIRCUIT BREAKERS (PLUG ON) AS LISTED IN PANEL SCHEDULE. ELEVATOR CIRCUIT BREAKER SHALL BE SHUNT TRIP / INTERCONNECT TO FIRE ALARM SYSTEM.
- 11 FEEDER CONDUCTORS: PROVIDE AND INSTALL (4) 500 MCM AL AND (1) #3 AL EQUIPMENT GROUND IN 3-1/2" CONDUIT FROM METER / DISCONNECT TO PANEL "H" / MAKE ALL CONNECTIONS.
- 12 ELEVATOR DISCONNECT: PROVIDE AND INSTALL HEAVY DUTY FUSED DISCONNECT SWITCH EQUAL TO SQ-D H224H / 200 AMP MAXIMUM CAPACITY / 3P WITH SN IN NEMA 1 ENCLOSURE / MOUNT SWITCH AND MAKE CONNECTIONS TO EQUIPMENT. PROVIDE WITH FUSES AS RECOMMENDED BY ELEVATOR EQUIPMENT MANUFACTURER.
- 13 ELEVATOR SERVICE CONDUCTORS: PROVIDE AND INSTALL (2) #30 CU AND (1) #6 CU E.G. IN 2" EMT CONDUIT FROM PANEL "H" TO ELEVATOR EQUIPMENT ROOM DISCONNECT THEN TO ELEVATOR CONTROLLER AND ELEVATOR EQUIPMENT. MAKE ALL CONNECTIONS.
- 14 ELEVATOR CAB POWER DISCONNECT SWITCH EQUAL TO SQ-D GENERAL DUTY FUSED DISCONNECT SWITCH CATALOG NUMBER D22100 AMP / 2P WITH SN IN NEMA 1 ENCLOSURE. MOUNT SWITCH, MAKE CONNECTIONS AND PROVIDE FUSES AS RECOMMENDED BY ELEVATOR EQUIPMENT MANUFACTURER.
- 15 SERVICE CONDUCTORS: (2) #10 CU WITH BONDING AS REQUIRED IN 3/4" EMT CONDUIT.
- 16 ELEVATOR CONTROLLER: SUPPLIED BY ELEVATOR EQUIPMENT SUPPLIER. ALL CONNECTIONS MADE BY ELECTRICAL CONTRACTOR.
- 17 ELEVATOR CALL BUTTON: PROVIDE AND INSTALL BACKBOX AND CONDUIT SYSTEM FOR ELEVATOR CALL BUTTON SYSTEM COORDINATE SYSTEM REQUIREMENTS AND INSTALLATION WITH ELEVATOR EQUIPMENT SUPPLIER.
- 18 PROVIDE AND INSTALL TWO (2) J-BOXES AT 1/2 PLUS 3-0" OF CAR TRAVEL EXTEND (1) 3/4" CONDUIT AND WIRING TO ELEVATOR CAB POWER DISCONNECT AND (1) 3/4" CONDUIT AND WIRING TO TELEPHONE SYSTEM. THE TELEPHONE AND/OR COMMUNICATION SYSTEM FOR THE ELEVATOR SHALL BE INSTALLED IN ACCORDANCE WITH FS CHAPTER 300.035 ITEM 9 RULE 211.1
- 19 TELEPHONE SYSTEM MAIN SERVICE ENTRANCE: PROVIDE AND INSTALL TELEPHONE SERVICE ENTRANCE BACKBOARD (4'0" X 6'0" X 3/4" PLYWOOD) PAINTED GRAY. PROVIDE WITH DUPLEX RECEPTACLE AND (1) #6 CU GROUND WIRE TO MAIN ELECTRICAL SERVICE MNS.
- 20 TELEPHONE SERVICE CONDUITS (2)-2" PVC FROM STREET PEDESTAL TO MAIN SERVICE ENTRANCE.
- 21 CEILING HUNG TELEPHONE CONDUIT SYSTEM: REFER TO TELEPHONE SYSTEM RISER DIAGRAM.
- 22 TELEPHONE SYSTEM PULL-BOX (8" X 8" X 4" PVC) AT BASE OF TELCO RISER.
- 23 TELEPHONE SYSTEM RISER: PROVIDE AND INSTALL STANDARD 4" SQ. BACK BOX WITH 3/4" HOME RUN TO TELEPHONE SYSTEM PULL BOX AT BASE OF RISER. REFER TO TELEPHONE SYSTEM RISER DIAGRAM FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- 24 TELEPHONE WALL OUTLET IN STD HANDY BOX. ALL TELCO CONDUITS, BACK BOXES AND TELCO WIRE (4 PAIR) ROUGH COMPLETE FROM UNIT TELEPHONE OUTLETS TO BUILDING SERVICE ENTRANCE IN BY ELECTRICAL CONTRACTOR. LEAVE 8'-0" TAILS AT SERVICE ENTRANCE AND 1'-0" TAILS AT OUTLET BOXES. TYPICAL TO ALL LOCATIONS SHOWN. COORDINATE EXACT LOCATION OF TELEPHONE OUTLETS WITH OWNER. PROVIDE LOOSE WIRE LOOP WITHIN UNIT.
- 25 CATV SYSTEM MAIN SERVICE ENTRANCE: PROVIDE AND INSTALL TELEPHONE SERVICE ENTRANCE BACKBOARD (4'0" X 6'0" X 3/4" PLYWOOD) PAINTED GRAY. PROVIDE WITH DUPLEX RECEPTACLE AND (1) #6 CU GROUND WIRE TO MAIN ELECTRICAL SERVICE MNS.
- 26 CABLE TELEVISION SERVICE CONDUITS (1)-2" PVC FROM STREET PEDESTAL TO MAIN SERVICE ENTRANCE.
- 27 CEILING HUNG CABLE TELEVISION CONDUIT SYSTEM: REFER TO TELEPHONE SYSTEM RISER DIAGRAM.
- 28 CABLE TELEVISION SYSTEM PULL-BOX (8" X 8" X 4" PVC) AT BASE OF CATV RISER.
- 29 CATV SYSTEM RISER: PROVIDE AND INSTALL STANDARD 4" SQ. BACK BOX WITH 3/4" HOME RUN TO CATV SYSTEM PULL BOX AT BASE OF RISER. REFER TO CATV SYSTEM RISER DIAGRAM FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- 30 CABLE TELEVISION OUTLET IN STD HANDY BOX. ALL CABLE TV CONDUITS, BACK BOXES AND CATV WIRE ROUGH COMPLETE FROM UNIT CATV OUTLETS TO BUILDING SERVICE ENTRANCE IN BY ELECTRICAL CONTRACTOR. LEAVE 8'-0" TAILS AT SERVICE ENTRANCE AND 1'-0" TAILS AT OUTLET BOXES. TYPICAL TO ALL LOCATIONS SHOWN. COORDINATE EXACT LOCATION OF CABLE TV OUTLETS WITH OWNER. PROVIDE LOOSE WIRE LOOP WITHIN UNIT.
- 31 EMERGENCY ESSES/EXIT LIGHT COUNTRY REFER TO EMERGENCY LIGHTING RISER DIAGRAM.
- 32 OBSTRUCTION LIGHT: CIRCUIT POWER TO EGRESS CONDUIT THEN HOME RUN.
- 33 FIRE ALARM CONTROL PANEL: REFER FIRE ALARM RISER.
- 34 FIRE ALARM EQUIPMENT: REFER TO RISER DIAGRAM FOR EQUIPMENT DESCRIPTION AND INSTALLATION REQUIREMENTS.
- 35 FIRE ALARM CONDUIT/DISTRIBUTION SYSTEM: REFER TO FIRE ALARM RISER DIAGRAM SYSTEM FOR INSTALLATION REQUIREMENTS.
- 36 SMOKE DETECTOR: EQUAL TO GENTREX (SIMPLEX) MODEL #120P PHOTOELECTRIC / 120V WITH BVDG BATTERY BACKUP WITH INTERCONNECT CAPABILITY INTERCONNECT AS PER CODE AND AS ILLUSTRATED. TYPICAL TO ALL LOCATIONS SHOWN.
- 37 FAN SPEED CONTROLLER: PROVIDE AND INSTALL FAN SPEED CONTROLLER EQUAL TO PASS & SEYMOUR "LUMASPEC" CATALOG NO. 948014 / SPECIFICATION GRADE (8 AMP MAX) TYPICAL TO ALL FAN SWITCHES.
- 38 PROVIDE AND INSTALL JUNCTION BOX WITH COVER PLATE AND CIRCUITRY AS SHOWN FOR FUTURE FAN AND / OR LIGHT FIXTURE TO BE SUPPLIED BY OWNER. SUPPORT FAN SUPPORT / BOX SYSTEM IN ACCORDANCE WITH NFPA / NEC 422-18 TYPICAL TO ALL CEILING / FAN OUTLETS.
- 39 DOOR ENTRY SYSTEM MASTER STATION EQUAL TO SIMPLEX MODEL 5073 - HANDS-FREE TYPE WITH WEATHER RESISTANT ENCLOSURE.

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMAMI TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987



DRAWN RES/WH  
COMM. NO.  
DATE 3-12-96  
REVISIONS

BAYPOINT CONDOMINIUM  
PHASE TWO

ELECTRIC SINGLE LINE  
RISER DIAGRAM

E-4

DESIGN FIRM  
SEANOFF ENGINEERING  
6326 TRAIL BLVD N  
NAPLES, FLORIDA 33963  
CERTIFICATE NO. EB0004450

TYPE: SQUARE "D" - 1-LINE									
VOLTAGE: 120/240V/1PH/3W									
MOUNTING: SURFACE/NEMA 1									
PANEL "H"									
MARKS: 400A MLD									
EQUIPMENT SHORT CIRCUIT RATING: 22,000 AC									
SYMMETRICAL AMPS									
CKT	WIRE	COND	BRK	DESCRIPTION	LOAD (VA)	DESCRIPTION	BRK	COND	WIRE
1	1	20	3P	ELEVATOR EQUIPMENT	21200	FIRE ALARM CONTROL PANEL	20	1/2	12
2	1	20	3P	ELEVATOR EQUIPMENT	21200	TELEPHONE EQUIPMENT	20	1/2	12
3	1	20	3P	ELEVATOR EQUIPMENT	21200	CABLE TV EQUIPMENT	20	1/2	12
4	1	20	3P	ELEVATOR EQUIPMENT	21200	GARAGE LIGHTS (PCC)	20	1/2	12
5	1	20	3P	ELEVATOR EQUIPMENT	21200	STAIRWAY LIGHTS	20	1/2	12
6	1	20	3P	ELEVATOR EQUIPMENT	21200	BALCONY LIGHTS	20	1/2	12
7	1	20	3P	ELEVATOR EQUIPMENT	21200	BALCONY LIGHTS	20	1/2	12
8	1	20	3P	ELEVATOR EQUIPMENT	21200	MECHANICAL ROOMS	20	1/2	12
9	1	20	3P	ELEVATOR EQUIPMENT	21200	EXHAUST FAN F1	20	1/2	12
10	1	20	3P	ELEVATOR EQUIPMENT	21200	EXHAUST FAN F2	20	1/2	12
11	1	20	3P	ELEVATOR EQUIPMENT	21200	EXHAUST FAN F1	20	1/2	12
12	1	20	3P	ELEVATOR EQUIPMENT	21200	EXHAUST FAN F2	20	1/2	12
13	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
14	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
15	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
16	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
17	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
18	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
19	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
20	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
21	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
22	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
23	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
24	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
25	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
26	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
27	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
28	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
29	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
30	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
31	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
32	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
33	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
34	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
35	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
36	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
37	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
38	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
39	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
40	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
41	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
42	1	20	3P	ELEVATOR EQUIPMENT	21200	SITE LYS.	20	1/2	12
CONNECTED VA PER #					31200	31000	32000	TOTAL CONNECTED VA = 95060/288.3A	
TOTAL AMPS PER #					280.0	265.8	275.3	* REFER TO RISK NOTES	

TYPE: SQUARE "D" - 00									
VOLTAGE: 120/240V/1PH/3W									
MOUNTING: FLUSH/NEMA 1									
PANEL "A"									
MARKS: 150A MLD									
EQUIPMENT SHORT CIRCUIT RATING: 10,000 AC									
SYMMETRICAL AMPS									
CKT	WIRE	COND	BRK	DESCRIPTION	LOAD (VA)	DESCRIPTION	BRK	COND	WIRE
1	1	20	3P	AC AIR HANDLER	4800	AC CONDENSER	20	1	8
2	1	20	3P	AC AIR HANDLER	4800	ELECTRIC RANGE	20	1	8
3	1	20	3P	AC AIR HANDLER	4800	CLOTHES WASHER	20	1/2	12
4	1	20	3P	AC AIR HANDLER	4800	DISHWASHER	20	1/2	12
5	1	20	3P	AC AIR HANDLER	4800	REFRIGERATOR	20	1/2	12
6	1	20	3P	AC AIR HANDLER	4800	SMALL APPLIANCE	20	1/2	12
7	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
8	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
9	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
10	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
11	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
12	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
13	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
14	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
15	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
16	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
17	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
18	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
19	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
20	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
21	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
22	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
23	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
24	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
25	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
26	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
27	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
28	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
29	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
30	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
CONNECTED VA PER #					22720	23210	TOTAL CONNECTED VA = 45930		
TOTAL AMPS PER #					-	-			

TYPE: SQUARE "D" - 00									
VOLTAGE: 120/240V/1PH/3W									
MOUNTING: FLUSH/NEMA 1									
PANEL "AR"									
MARKS: 150A MLD									
EQUIPMENT SHORT CIRCUIT RATING: 10,000 AC									
SYMMETRICAL AMPS									
CKT	WIRE	COND	BRK	DESCRIPTION	LOAD (VA)	DESCRIPTION	BRK	COND	WIRE
1	1	20	3P	AC AIR HANDLER	4800	AC CONDENSER	20	1	8
2	1	20	3P	AC AIR HANDLER	4800	ELECTRIC RANGE	20	1	8
3	1	20	3P	AC AIR HANDLER	4800	CLOTHES WASHER	20	1/2	12
4	1	20	3P	AC AIR HANDLER	4800	DISHWASHER	20	1/2	12
5	1	20	3P	AC AIR HANDLER	4800	REFRIGERATOR	20	1/2	12
6	1	20	3P	AC AIR HANDLER	4800	SMALL APPLIANCE	20	1/2	12
7	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
8	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
9	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
10	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
11	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
12	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
13	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
14	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
15	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
16	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
17	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
18	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
19	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
20	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
21	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
22	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
23	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
24	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
25	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
26	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
27	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
28	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
29	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
30	1	20	3P	AC AIR HANDLER	4800	LIGHTS/RECEPTACLES	20	1/2	12
CONNECTED VA PER #					22720	23210	TOTAL CONNECTED VA = 45930		
TOTAL AMPS PER #					-	-			

ELECTRICAL DEMAND CALCULATION / 14 UNIT BUILDING				
TOTAL CONNECTED	(A" UNITS)	7(45930)	321510	
	(AR" UNITS)	7(45930)	321510	
DEMAND HOUSE	(40)	(943020 VA)	= 257208 VA	
			95880 VA	
TOTAL			= 353088 VA	
			360 V	
MINIMUM FEEDER AMPACITY (NEC)			= 980.8 AMPS	
INSTALLED FEEDER AMPACITY			= 1000.0 AMPS	

UNIT "A" / "AR" DEMAND CALCULATIONS

1	GENERAL LIGHTING	(1645 SQ FT) (3 WATTS/SQ FT)	4935	WATTS
2	KITCHEN APPLIANCES		3000	WATTS
3	DISHWASHER		1400	WATTS
4	DISPOSER		100	WATTS
5	REFRIGERATOR		1000	WATTS
6	RANGE		4500	WATTS
7	WATER HEATER		1500	WATTS
8	WASHING MACHINE		500	WATTS
9	DRYER		1500	WATTS
10	MICROWAVE		2100	WATTS
11	AUX MOTORS		3000	WATTS
12	SUBTOTAL		10000	WATTS
13	HEAT STRIP		0.0	WATTS
	COMPRESSOR = CFM	HEAT PUMP?	NO	

TOTAL CONNECTED LOAD (1 THRU 13)

40635 WATTS

DEMAND LOAD

TOTAL CONNECTED

40634 WATTS

FIRST  
COMPRESSOR (IF HEAT PUMP)  
HEAT STRIP

10000 WATTS @ 100%  
0 WATTS @ 100%  
10000 WATTS @ 100%

10000  
0  
10000

REMAINDER

25635 WATTS @ 40%

10414 WATTS

TOTAL DEMAND LOAD

30414 WATTS  
208

TOTAL DEMAND LOAD

146.2 AMPS

INSTALLED FEEDER CAPACITY

155 AMPS

NEUTRAL DEMAND CALCULATIONS

1	GENERAL LIGHTING (1275 SQ FT) (3 WATTS/SQ FT)	3825	WATTS
2	TWO APPLIANCES CIRCUITS	3000	WATTS
3	SUBTOTAL	7825	WATTS
4	3000 VOLT AMPS AT 100%	3000	WATTS
5	6034 VA - 3000 VA = 3034 @ 25%	1942	WATTS
6	SUBTOTAL	4625	WATTS
7	RANGE = 1500 VA @ 70%	1050	WATTS
8	CLOTHES DRYER 5000 VA @ 70%	3500	WATTS
9	DISHWASHER	1400	WATTS
10	MICROWAVE	1500	WATTS

TOTAL NEUTRAL DEMAND

1875 WATTS  
208 VOLTS

TOTAL NEUTRAL DEMAND

50.2 AMPS

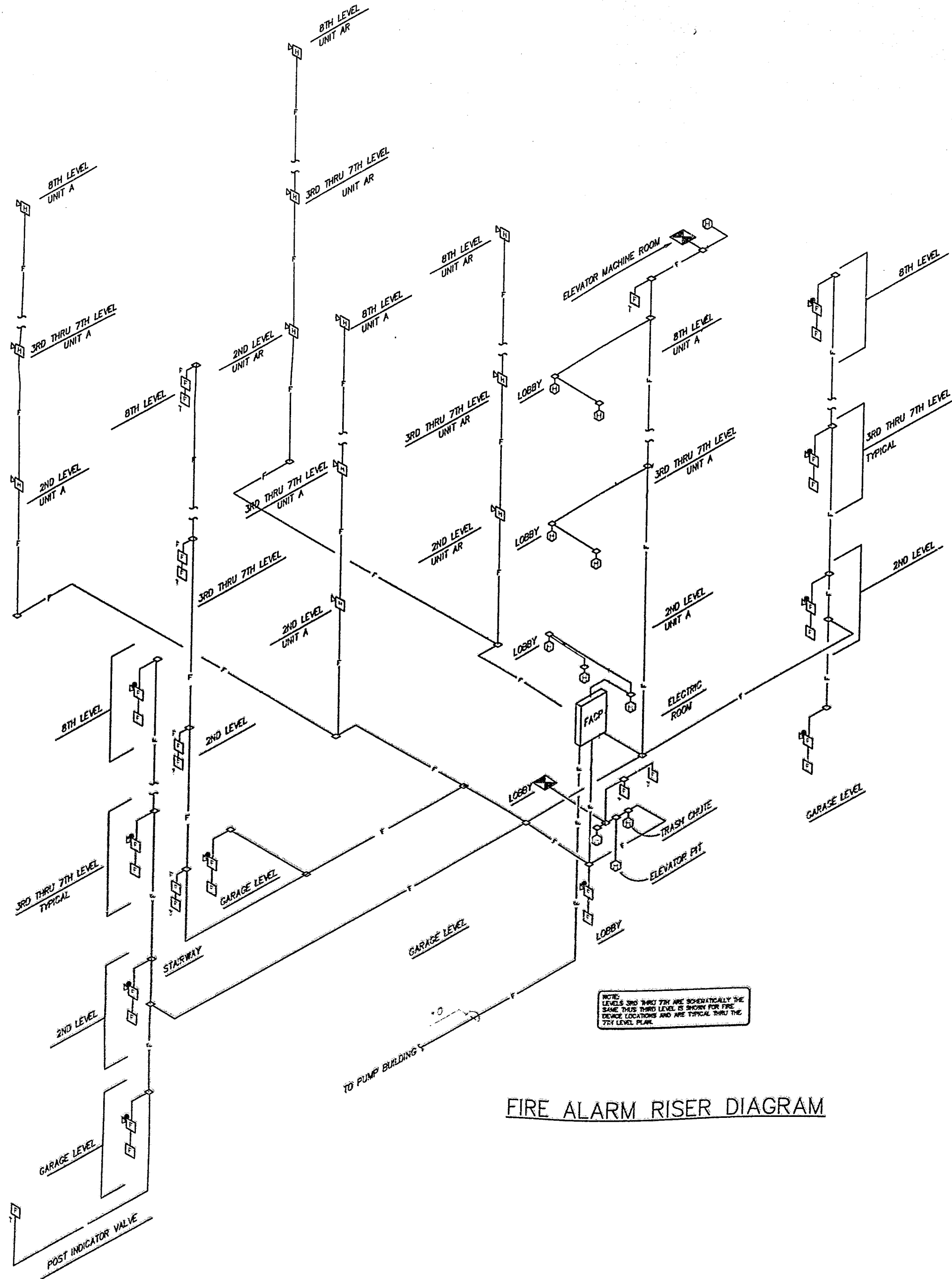
INSTALLED NEUTRAL CAPACITY

120 AMPS

BASIS OF DESIGN: NATIONAL ELECTRIC CODES

1 CHAPTER 220-30  
2 TABLE 220-30  
3 EXAMPLE NO. (20)





FIRE ALARM RISER DIAGRAM

FIRE ALARM SYSTEMS:  
FURNISH AND INSTALL POWER A LIMITED FIRE ALARM EQUIPMENT AS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS. SYSTEM SHALL BE COMPLETE WITH EQUIPMENT, BACKBOXES, CONDUIT, WIRING, CONNECTIONS, AND ALL MISCELLANEOUS APPURTENANCES. THE SYSTEM SHALL BE TESTED, ADJUSTED AS REQUIRED AND LEFT IN A COMPLETED AND OPERATIONAL CONDITION.

WIRING METHODS:

ALL INITIATION DEVICE CIRCUITS SHALL BE (CLASS B) 2-WIRE.

ALL INDICATING APPLIANCE CIRCUITS SHALL BE (CLASS B) 2-WIRE.

WIRES FOR FIRE ALARM CIRCUITS SHALL BE #14 COPPER EQUAL TO WEST PENN WIRE CATALOG NO. 972. ALL OTHER WIRING SHALL BE #16 COPPER EQUAL TO WEST PENN WIRE CATALOG NO. 971. ALL WIRING SHALL BE CODED/COLOR CODED. THE SAME COLOR CODE SHALL BE USED FOR ALL CIRCUITS THROUGHOUT THE ENTIRE SYSTEM. ALL FIRE ALARM SYSTEM WIRING SHALL BE RUN IN CONDUIT.

THE ENTIRE SYSTEM SHALL BE UL LABELED (UDJZ). ALL FIRE ALARM EQUIPMENT SHALL BE FROM A SINGLE FIRE ALARM SYSTEM MANUFACTURER AND SHALL MEET ALL PROVISIONS AND REQUIREMENTS AS SET FORTH IN THE NATIONAL FIRE PROTECTION MANUALS (NFPA) FOR USE AS A FIRE ALARM SYSTEM.

FIRE ALARM EQUIPMENT:

- 1. SIMPLEX - 4002-8001 FIRE ALARM PANEL
  - 4002-7001 CPU, CLASS B
  - 4002-8001 INPUT POWER, 120V, 60 HZ
  - 4002-5001 ZONE MODULE, 8 PT CLASS B QTY (3)
  - 4002-3001 AUXILIARY RELAY, 4PT
  - 4002-2002 4 UNIT PACKAGE
  - 4002-0122 ESP ADDED FUNCTIONALITY
  - 4002-0112 ESP PROGRAMMING OPTION
  - 2081-0278 BATTERIES (15AH)(QTY 2)

DIGITAL FIRE CONTROL COMMUNICATOR SILENT NIGHT MODEL 5107  
78 ZONE DUAL LINE

2. PULL STATION - SIMPLEX TYPE 2090-9754 WITH 4" SQ. BACK BOX.

3. ALARM HORN/STROBE COMBINATION - SIMPLEX 4903-9501 BASE WITH 2091-9840 HORN AND 4904-9105 STROBE TO "ADA" STANDARDS. WITH 4" SQ. BOX.

4. ALARM HORN - SIMPLEX 2001-9837 (BEIGE)-FLUSH MOUNT WITH 4" SQ BACK BOX

5. SMOKE DETECTOR - SIMPLEX 2098-9211, 2098-9539 4-WIRE BASE W/RELAY SIMPLEX 2098-9737 WITH 4" X 4" X 2-1/8" BACK BOX.

6. HEAT DETECTOR - SIMPLEX TYPE 2098-9482 AND 135 DEGREES F FIXED TEMP WITH 4" SQ. BACK BOX.

7. FLOW SWITCH - SIMPLEX 2097-9000 SERIES MODEL VSR-D WITH TWO POLE DOUBLE THROW RELAY AND PNEUMATIC RETARD.

8. TAMPER SWITCH - SIMPLEX 2097-9031/2907-9038 WITH TWO POLE DOUBLE THROW RELAY/FOR EQUAL. (1/2" TO 12" VALVE SIZE)

9. END OF LINE RESISTOR.

NOTE:

THE ENTIRE SYSTEM SHALL BE 24 VOLTS D.C.  
THE ANNUNCIATOR SHALL BE ZONED AS INDICATED ON PLANS.  
THE BATTERY BACK-UP SYSTEM SHALL BE INSTALLED AND BE SIZED TO HANDLE THE FIRE ALARM SYSTEM EMERGENCY REQUIREMENTS PER NFPA 72.  
THE SYSTEM WIRING SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH NFPA 72A AND MANUFACTURER'S SPECS.

FIRE ALARM SYSTEM CONDUIT AND BACK BOXES SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. FIRE ALARM SYSTEM ENCLOSURE INTEGRAL TO FIRE ALARM EQUIPMENT SUPPLIED BY FIRE ALARM EQUIPMENT SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

THE FLOW AND TAMPER SWITCH SHALL BE SUPPLIED AND INSTALLED BY THE FIRE PROTECTION/SPRINKLER CONTRACTOR AND WIRED INTO SYSTEM BY THE ELECTRICAL/FIRE ALARM CONTRACTOR.

SYSTEM ZONE DESCRIPTION: THE FIRE ALARM SYSTEM/ANNUNCIATOR PANEL SHALL HAVE THE CAPABILITY OF INDICATING AREA OF INITIATION OF ALARM AS INDICATED ON PLANS.

SYSTEM SUPERVISORY FAULTS, SUCH AS SHORTS, OPENING, AND GROUNDS IN CONDUCTORS, OPERATING POWER FAILURE, OR FAULTS WITHIN SUPERVISED DEVICES, SHALL CAUSE AN AUDIBLE AND VISUAL TROUBLE INDICATION AT THE CONTROL PANEL. IT SHALL BE POSSIBLE TO SILENCE THE AUDIBLE TROUBLE SIGNALS AT THE MAIN CONTROL PANEL ONCE THE TROUBLE IS CORRECTED THE SIGNAL SHALL AGAIN SOUND UNTIL THE SILENCE SWITCHES ARE RESTORED TO THEIR NORMAL POSITIONS.

FIRE ALARM SEQUENCE OF OPERATIONS

THE FOLLOWING SEQUENCE OF EVENTS SHALL OCCUR SIMULTANEOUSLY UPON INITIATION OF ANY PULL STATION AND/OR ANY AUTOMATIC FIRE/SMOKE DETECTION DEVICE.

- A. THE FIRE ALARM SIGNAL SHALL SOUND THROUGHOUT THE BUILDING AS WELL AS ALL OTHER REQUIRED FUNCTIONS.
- B. SEND ALARM SIGNAL VIA A DIRECT DIALER THRU A DEDICATED TELEPHONE LINE BETWEEN BUILDING ALARM SYSTEM AND RECEIVING EQUIPMENT AT A "PRIVATE SECURITY CO." ACCEPTABLE TO THE "AUTHORITY HAVING JURISDICTION" ALL IN ACCORDANCE WITH NFPA 72 AND ALL LOCAL REGULATIONS.

THE FOLLOWING SEQUENCE OF EVENTS SHALL OCCUR SIMULTANEOUSLY UPON FIRE ALARM SYSTEM "RESET" AND "ALL CLEAR" SIGNAL.

- X. ALL FIRE ALARM SIGNALS SHALL SILENCE AND ALL AUXILIARY FUNCTIONS SHALL RETURN TO THEIR "NORMAL" STATE.

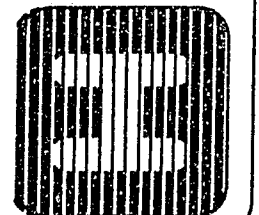
ADDITIONAL SYSTEM REQUIREMENTS:

- A. ACTIVATION OF ELEVATOR LOBBY SMOKE DETECTOR SHALL ACTIVATE ALARM SYSTEM AND CAUSE PHASE 1 RECALL.

B. ACTIVATION OF SMOKE DETECTOR INSTALLED IN ELEVATOR EQUIPMENT ROOM SHALL ACTIVATE ALARM SYSTEM. ACTIVATE PHASE 1 RECALL AND A WARNING LIGHT TO FLASH AT PRIMARY AND ALTERNATE RECALL FLOOR ELEVATOR COBBIES. THE WARNING LIGHT SHALL BE LOCATED ADJACENT TO THE ELEVATOR CALL BUTTON AND SHALL BE A MINIMUM OF 1/8" IN DIAMETER. A SIGN SHALL BE INCORPORATED WITH THE WARNING LIGHT AND CONTAIN THE WORDING "DO NOT USE ELEVATOR".

- C. ACTIVATION OF FIXED TEMPERATURE HEAT DETECTOR IN ELEVATOR EQUIPMENT ROOM AND/OR ELEVATOR HOISTWAY SHALL NOT ACTIVATE THE ALARM SYSTEM. UPON COMPLETION OF PHASE 1 RECALL, THE FIRE ALARM SYSTEM AND/OR ELEVATOR CONTROLLER SHALL SEND A SIGNAL TO A NON-RESETTING ELEVATOR DISCONNECTING CONTACTOR AND DISCONNECT POWER TO THE ELEVATOR EQUIPMENT ROOM (B22 / F4).

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS



DRAWN: RES-EH  
COMM. NO.  
DATE: 5-12-96  
REVISIONS

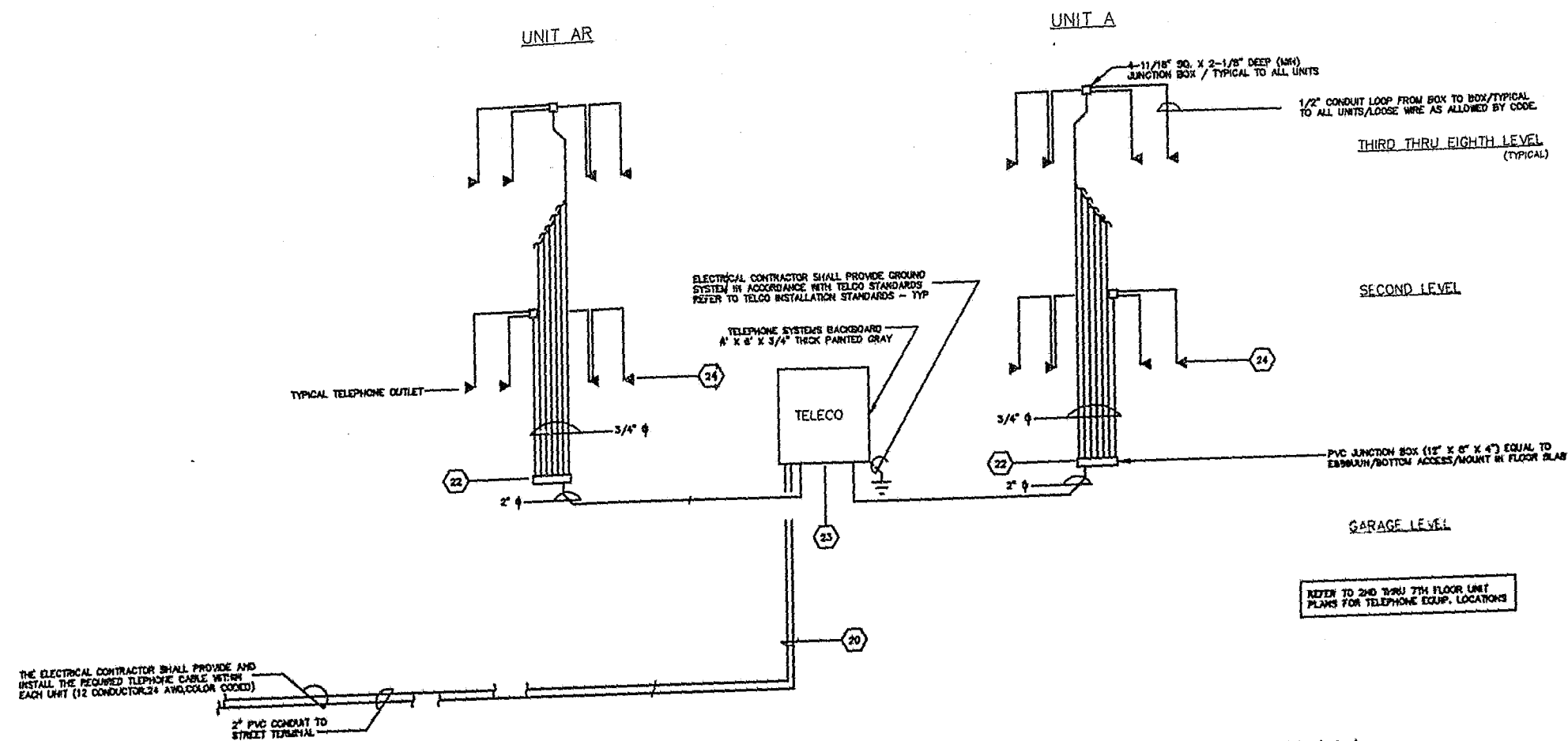
BAYPOINT CONDOMINIUM  
PHASE TWO

FIRE ALARM SYSTEM  
RISER DIAGRAM

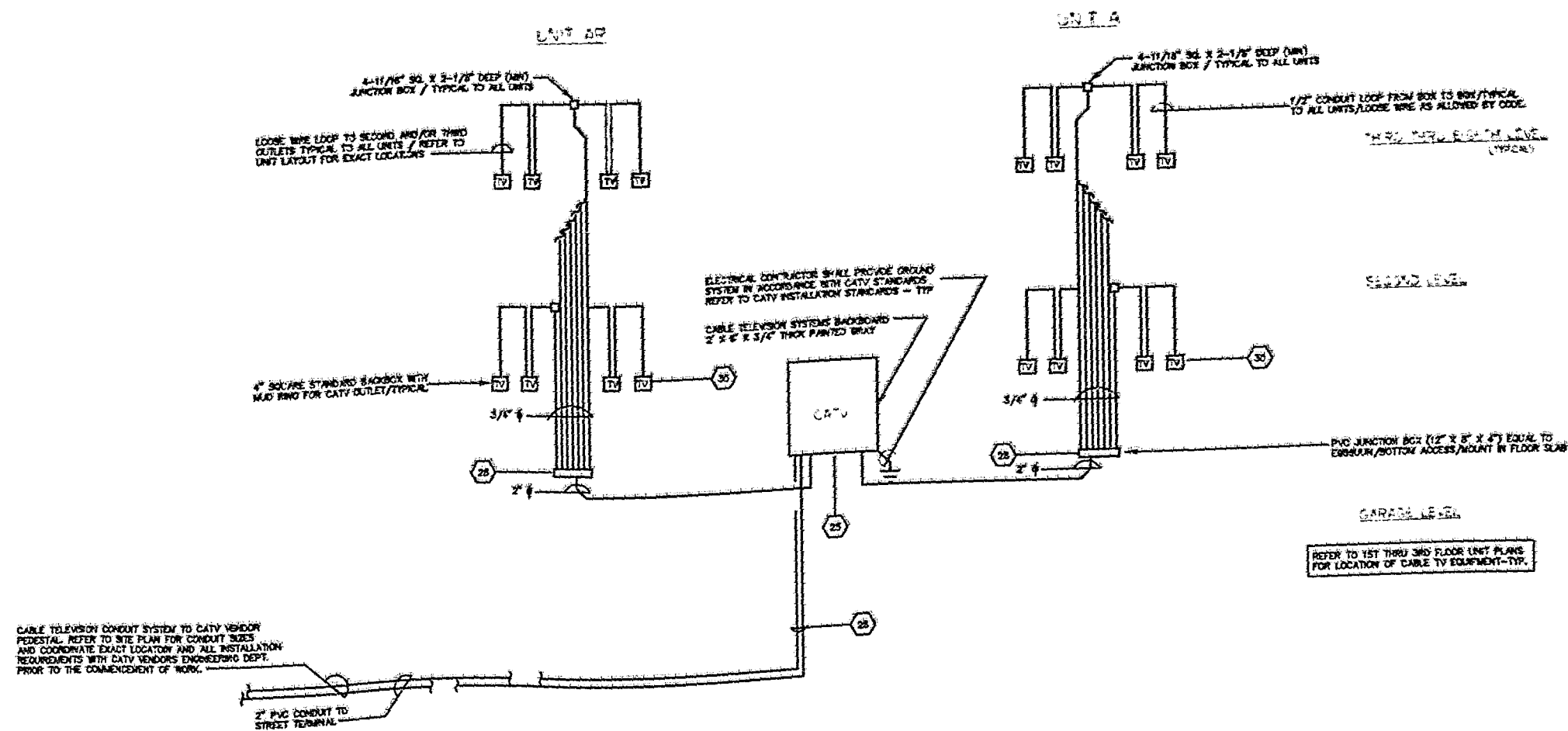
E-6

DESIGN FIRM  
SUNSHINE ENGINEERING  
6126 TRAIL BLVD., N.  
NAPLES, FLORIDA 33963  
CERTIFICATE NO. EBC004453

CONTACT PERSON  
EBC004453  
DATE: 5-12-96  
BY: RES-EH

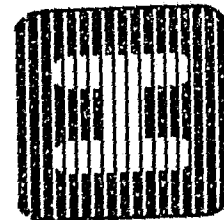


TELEPHONE SYSTEMS DISTRIBUTION RISER DIAGRAM  
NTS



CABLE TELEVISION SYSTEMS DISTRIBUTION RISER DIAGRAM  
NTS

DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMiami TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987



DRAWN RES/PH  
CONV H.D.  
DATE 3-12-96  
REVISIONS

BAYPOINT CONDOMINIUM  
PHASE TWO

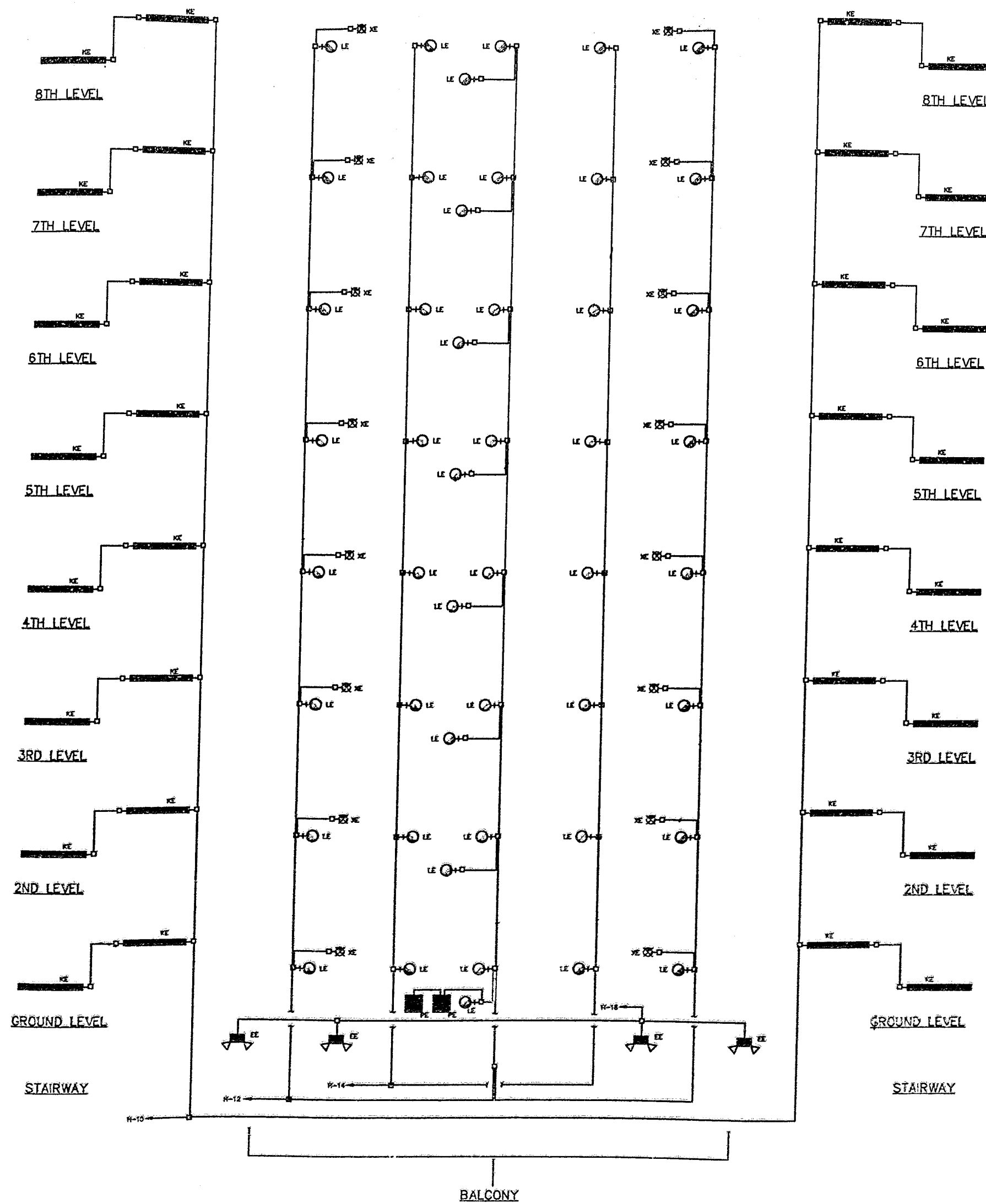
CABLE TELEVISION RISER DIAGRAM  
TELEPHONE RISER DIAGRAM

E-7

DESIGN FIRM  
SCHOFF ENGINEERING  
6326 TRAIL BLVD  
NAPLES, FLORIDA 33963  
CERTIFICATE NO. E80704450

CONTACT PERSON  
ERIC HUMPHREY  
33940 335 FAX





EMERGENCY/EXIT/ LIGHTING RISER DIAGRAM

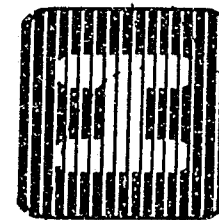
DESIGN FIRM  
SPARKS ENGINEERING  
6718 TRAIL DRIVE  
NAPLES, FLORIDA 34109  
CERTIFICATE NO. 15000-4450

CONTRACTOR  
DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMiami TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987

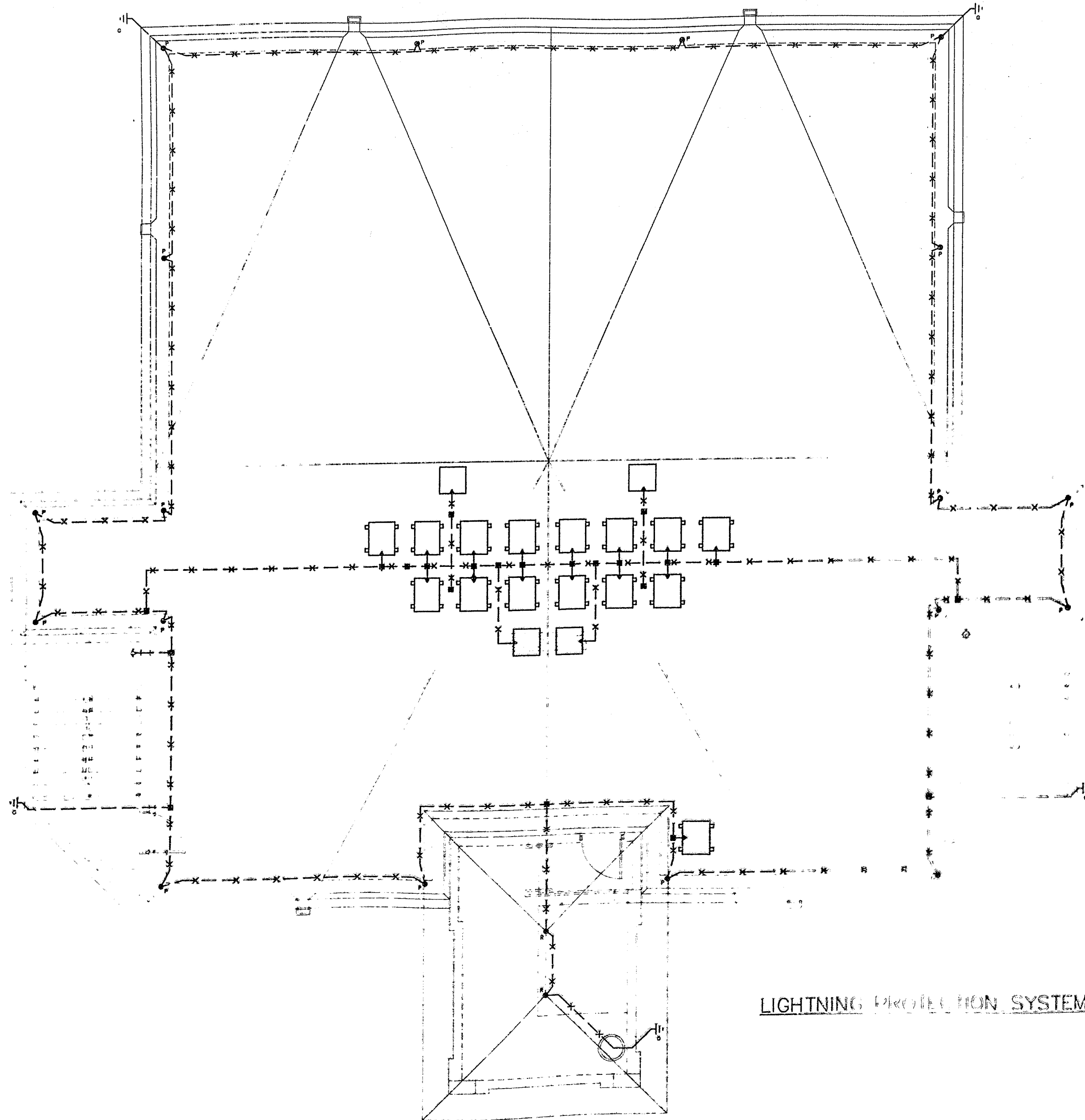
EMERGENCY/EXIT/LIGHTING  
RISER DIAGRAM

BAYPOINT CONDOMINIUM  
PHASE TWO

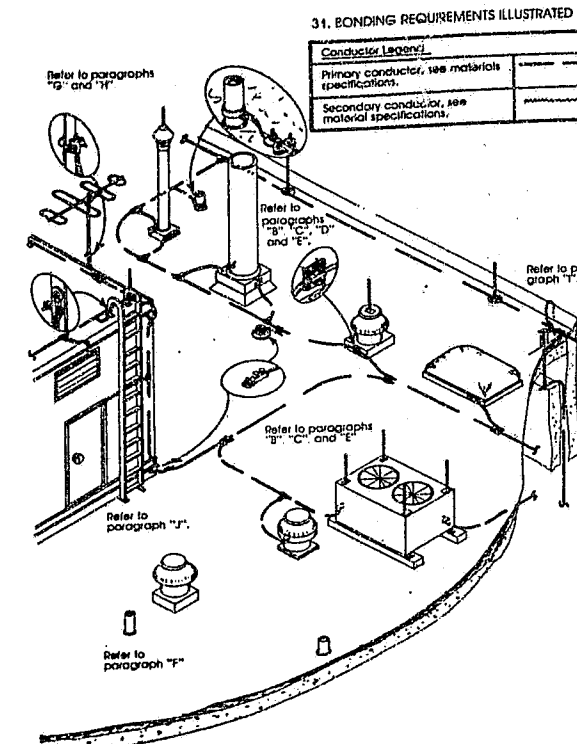
OWNER: H.E. H.  
COMM. NO.  
DATE: 3-12-96  
REVISIONS



DAVID HUMPHREY  
& ASSOCIATES AIA  
ARCHITECTS  
3255 NORTH TAMiami TRAIL SUITE 202  
NAPLES, FLORIDA 33940 (813) 434-2987



LIGHTNING PROTECTION SYSTEMS LAYOUT



- 31. BONDING REQUIREMENTS ILLUSTRATED**
- Conductor Legend:**  
 Primary conductor, see material specifications.  
 Secondary conductor, see material specifications.
- A. If a lightning conductor is bonded to a metal water pipe system, a primary metal body or secondary metal body as described below in paragraphs "B" - "K", shall be connected either to the metal water pipe system, the nearest lightning conductor, or to another metal body already connected to the system. A metal body that is bonded through structural connection to the metal water pipe system requires no additional bonding.
  - B. Each metal object that is as high as or higher than adjacent air terminals shall be bonded to the lightning protection system unless it is located entirely within a zone of protection and is not within 0-11' of another lightning protection component. Bond with a main size conductor and pipe with surface contact of not less than 3 sq. in. (1,900 mm<sup>2</sup>).
  - C. Conductor may be coupled in a horizontal manner through equipment providing a two-way path, only if cable is less than 10 in. above roof.
  - D. Bonding of stack is required in two locations as shown.
  - E. Air terminals are required on metal bodies and stacks with metal thicknesses less than 3/16 in.
  - F. Secondary bodies that are within 6 ft. (1.8 m) of the main conductor or other bonded metal body shall be connected to the lightning protection system. Unlike secondary bonding conductors and fittings and interconnect at closest point to the system.
  - G. Each radio and television mast of metal, located on protected building shall be bonded to the lightning protection system with main sized conductor and fittings.
  - H. A lightning arrester, protector, or antenna discharge unit shall be installed on each electric and telephone service entrance and radio and television antenna lead-in.
  - I. Bonding of non-metallic materials, vents, roof drains, skylights, flashings, etc. is not required.
  - J. Bond penthouse doors, windows, and louvers within 6 ft. of a lightning protection component or bonded metallic body with secondary connectors and conductors.
  - K. Bond perimeter flashing and/or coping with secondary connector and conductor of each thru-roof or downlead location.
- Bond metallic water pipe, preferably at the entrance to the structure. The connection may be made of the interior or exterior of structure. Make no connection to plastic pipes.  
 Secondary bonding conductors may course upward to the lightning protection circuit.  
 Primary bonding conductors shall not course upward to the lightning protection circuit.

**LIGHTNING PROTECTION COMPONENT SCHEDULE**

- THOMPSON NO 8807 RIGHT ANGLE PARAPET POINT BASE AND THOMPSON NO 458 5/8" X 1/2" SOLID ALUMINUM POINT
  - THOMPSON NO 458 TUBE ROSE AIR TERMINAL WITH 458 5/8" X 1/2" SOLID ALUMINUM POINT
  - ← BONDING CONNECTION AND FITTINGS TO ROOF MOUNTED EQUIPMENT AS REQUIRED - TYPICALLY
  - CONNECTED THOMPSON TEE SPICER NO 728
  - STRAIGHT SPICER NO 4705
  - CROSS CLAMP NO 4416
  - THOMPSON NO 437 3/4" X 1/2" ALUMINUM CABLE
  - CABLE HOLDER CAST BRONZE (NICHROME) THOMPSON 1155 AT 5'-0" ON CENTER MAXIMUM
  - THOMPSON NO 281 - 25/14 COPPER DOWN LEAD IN 1" SCHEDULE PVC CONDUIT CONNECT BELOW GRADE TO THOMPSON NO 225 5/8" X 10'-0" COPPER CLAD GROUND ROD AT 1'-0" BELOW GRADE AND 2'-0" MINIMUM FROM FOUNDATION
- NOTE: SUBMIT WITH SHOP DRAWINGS ALL MISCELLANEOUS ACCESSORIES REVIEW AND APPROVAL - TYPICAL

Shall Meet  
 Collier County Electrical Code  
 Ordinance No. 95-18  
 Referencing National Electrical Code

DAVID HUMPHREY  
 & ASSOCIATES AIA  
 ARCHITECTS



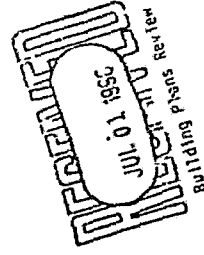
3255 NORTH TAMiami TRAIL, SUITE 202  
 NAPLES, FLORIDA 33940 (813) 434-2987

DESIGN	RES. E+
CONV. NO.	
DATE	3-12-96
REVISIONS	

BAYPOINT CONDOMINIUM  
 PHASE TWO

LIGHTNING PROTECTION  
 SYSTEM LAYOUT

6-18-96  
BUILDING DEPT. COPY



DATE	6/18/96
TIME	10:10
BY	SD
REMARKS	SD
INITIALS	SD
SIGNATURE	SD
DATE	6/18/96
TIME	10:10
BY	SD
REMARKS	SD
INITIALS	SD
SIGNATURE	SD

6-18-96  
BUILDING DEPT. COPY





96-8179

6212

## COLLIER COUNTY GOVERNMENT

COMMUNITY DEVELOPMENT SERVICES DIVISION  
PLANNING SERVICES DEPARTMENT  
ENGINEERING REVIEW SECTION

2800 NORTH HORSESHOE DRIVE  
NAPLES, FL 33942  
(941) 643-8400

January 17, 1996

A CERTIFIED BLUE CHIP COMMUNITY

Jack McKenna, P. E.  
Agnoli, Barber & Brundage Inc.  
7400 Tamiami Trail North  
Naples, Florida 33963

RE: "Bay Point Condo, Phase II", SDP-89-218C  
Final Site Development Plan Approval

Dear Mr. McKenna:

Engineering Review has reviewed the Final Site Development Plan for the referenced project and has no objection to the construction of water, sewer, paving and drainage aspects of the project subject to the following stipulations:

1. General

- a) CHANGES IN USE AND/OR DESIGN OF THIS PLAN ARE NOT AUTHORIZED WITHOUT WRITTEN APPROVAL BY THE COUNTY. CHANGES SHALL REQUIRE RE-REVIEW IN ACCORDANCE WITH ALL CURRENT COUNTY CODES INCLUDING PARKING FACILITIES, UTILITIES, TRANSPORTATION AND THE LIKE.
- b) Permits from other agencies having jurisdiction over this project shall be obtained prior to start of construction.
- c) Please call Mr. Clyde Fugate at 643-8417 to schedule a pre-construction meeting a minimum of 48 hours prior to start of construction.
- d) This Final Site Development Plan is approved conditionally upon the Waiver and Release executed by the Owner with respect to Collier County Ordinance No. 93-82 for Adequate Public Facilities. Be advised that building permits cannot be issued for this property until a Concurrency Certificate is issued.
- e) All construction activities permitted by this letter shall only occur during the following times:

6:30 A.M. to 7:00 P.M., Monday through Saturday;  
no work is permitted on Sundays and the following  
holidays:

New Year's Day, Memorial Day, 4th of July, Labor  
Day, Thanksgiving Day, Christmas Day

Jack McKenna, P. E.  
Bay Point Condo, Phase II, SDP-89-218C  
January 17, 1996  
Page 2

2. Subdivision

All work shall be in accordance with applicable Collier County ordinances and rules and regulations of other entities having jurisdiction over the project.

3. Environmental

Site clearing is conditioned to the stipulations contained on the approved site plan.

4. Water Management

- a) All work shall be in accordance with applicable State or Federal rules and regulations.
- b) Work area shall be properly barricaded with hay bales and/or silt screens during the entire time of construction, to prevent any siltation during construction.

5. Addressing

Pursuant to Ordinance No. 81-47, no proposed subdivision, street, building, condominium or development may utilize the same name or a similar sounding name as any existing subdivision, street, building, condominium or development, except that the major street within a subdivision may utilize the name of the subdivision. Any changes to the project name shall be reviewed and approved by Community Dev. and Environmental Svcs. Addressing Department.


See attached inspection checklist for SDP improvements.

Three (3) sets of approved plans are being returned herewith for your use. One copy of approved SDP shall be attached to each set of building plans submitted.

Be advised that this approval automatically expires twenty-four (24) months from the date of this letter pursuant to Collier County Land Development Code Section 3.3.8.

Please call me if you have any questions or need any additional information.

Very truly yours,

  
Thomas E. Mack, P.E.  
Engineering Review Manager

TEK/SS/ew/doc:10336

cc: Clyde Fugate, Engineering Inspector Supervisor (w/attach.)  
Abe Skinner, Property Appraiser (w/attach.)  
Customer Services/Addressing (w/attach.)  
Sherry Long, Customer Service Agent

Project Name Baypoint Canals Phase II  
Site Development Plan (SDP) 89-213C

VI. SDP Specific

1. ✓ Handicap parking location, markings, access aisles, ramp to building, signs, etc.
2. ✓ Driveway and parking aisle widths, radii
3. NA Right-of-way permit conditions, culvert, swale, swale restoration, sidewalk, etc.
4. ✓ Parking location, wheel stops, dimension
5. ✓ Traffic control signs, striping
6. ✓ Site grading
7. ✓ Landscape kept out of swale flowways, location per plan
8. ✓ Landscape, as per plan
9.

---

---

---

---



Department of Community Affairs  
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

SN: 5037

FORM 600A-93

Residential Whole Building Performance Method A

SOUTH

PROJECT NAME: BAYPOINT CONDO/ PHAS

BUILDER:

AND ADDRESS: BLUEBILL AVE

PERMITTING

CLIMATE

NAPLES, FL. 33963

OFFICE:

ZONE: 7 | 8 | 9 |

PERMIT NO.

JURISDICTION NO. 211200

OWNER:

CK

- |  |                            |       |
|--|----------------------------|-------|
| 1. New construction or addition  | 1. New Construction        | _____ |
| 2. Single family detached or Multifamily attached  | 2. Multi-Family            | _____ |
| 3. If Multifamily-No. of units   | 3. 14                      | _____ |
| 4. If Multifamily, is this a worst case (yes/no)   | 4. Yes                     | _____ |
| 5. Conditioned floor area (sq.ft.)   | 5. 1678.00                 | _____ |
| 6. Predominant eave overhang (ft.)   | 6. 0.50                    | _____ |
| 7. Porch overhang length (ft.)   | 7. 9.00                    | _____ |
| 8. Glass area and type:  | Single Pane Double Pane    | _____ |
| a. Clear Glass   | 8a. 0.00sqft 0.00sqft      | _____ |
| b. Tint, film or solar screen  | 8b. 277.00sqft 0.00sqft    | _____ |
| 9. Floor type and insulation:  | 9c. R= 0.00 , 1678.00 sqft | _____ |
| c. Concrete, raised (R-value, area)  |                            | _____ |
| 10. Net Wall type area and insulation:   |                            | _____ |
| a. Exterior: 1. Concrete (Insulation R-value)  | 10a-1 R= 3.50, 996.00sqft  | _____ |
| b. Adjacent: 1. Concrete (Insulation R-value)  | 10b-1 R= 3.50, 233.00sqft  | _____ |
| 11. Ceiling type area and insulation:  |                            | _____ |
| a. Under attic (Insulation R-value)  | 11a. R=19.00 , 1678.00sqft | _____ |
| 12. Air distribution systems   |                            | _____ |
| a. Ducts (Insulation + Location)   | 12a. R= 0.00 , cond        | _____ |
| 13. Cooling system   | 13. Type: Central A/C      | _____ |
|  | SEER: 10.65                | _____ |
| 14. Heating System:  | 14. Type: Strip Heat       | _____ |
|  | COP: 1.00                  | _____ |
| 15. Hot water system:  | 15. Type: Electric         | _____ |
|  | EF: 0.96                   | _____ |
| 16. Hot Water Credits: (HR-Heat Recovery, DHP-Dedicated Heat Pump)   | 16.                        | _____ |
| 17. Infiltration practice: 1, 2 or 3   | 17. 2                      | _____ |
| 18. HVAC Credits (CF-Ceiling Fan, CV-Cross vent, HF-Whole house fan, RB-Attic radiant barrier, MZ-Multizone) | 18.                        | _____ |
| 19. EPI (must not exceed 100 points)   | 19. 98.49                  | _____ |
| a. Total As-Built points   | 19a. 27706.50              | _____ |
| b. Total Base points   | 19b. 28132.47              | _____ |

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: [Signature]

DATE: 3-20-91

I hereby certify that this building is in compliance with the Florida Energy Code.

OWNER/AGENT: \_\_\_\_\_

DATE: \_\_\_\_\_

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance in accordance with Section 553.908 F.S.

BUILDING OFFICIAL: \_\_\_\_\_

DATE: \_\_\_\_\_

\*\* INFILTRATION REDUCTION PRACTICE COMPLIANCE CHECKLIST \*\*

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
PRACTICE #1	606.1	COMPLY WITH ALL INFILTRATION PRESCRIPTIVES.	
Windows	606.1	Maximum of 0.34 CFM per linear foot of operable sash crack (includes sliding glass doors).	
Exterior & Adjacent Doors	606.1	Maximum of 0.5 CFM per sq. ft. of door area: solid core, wood panel, insulated or glass doors only.	
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	
PRACTICE #2	606.1	COMPLY WITH PRACTICE #1 AND THE FOLLOWING:	
Exterior Walls & Floors	606.1	Top plate penetrations sealed. Infiltration barrier installed. Sole plate/floor joint caulked or sealed.	
Exterior Walls & Ceilings	606.1	Penetrations, joints and cracks on interior surface caulked, sealed or gasketed.	
Ductwork	606.1	Ductwork in unconditioned space must be sealed.	
Fireplaces	606.1	Equipped with outside combustion air, doors and flue dampers.	
Exhaust Fans	606.1	Equipped with dampers. Combustion devices see 606.1, A.2.	
Combustion Heating	606.1	Combustion space and water heating systems provided with outside combustion air, except direct vent appliances.	
** OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.) **			
Water Heaters	612.1	Comply with efficiency requirements in Table 6-11. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spa and heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78 percent.	
Shower Heads	612.1	Water flow must be restricted to no more than 3 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics must be insulated to a minimum of R-6. Air handlers shall not be installed in attics unless in mechanical closet.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1 602.1	Ceilings minimum R-19. Common Walls - Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

# SUMMER CALCULATIONS

== BASE ==

== AS-BUILT ==

GLASS ORIENT	AREA	x	BSPM	=	POINTS	TYPE	SC	ORIENT	AREA	x	SPM	x	SOF	=	POINTS
N	177.00		109.7		19416.9	SGL TINT		N	96.0		65.2		.70		4381.4
						SGL TINT		N	64.0		65.2		.71		2946.6
						SGL TINT		N	17.0		65.2		.98		1080.7
S	42.00		109.7		4607.4	SGL TINT		S	42.0		132.5		.36		1978.7
W	58.00		109.7		6362.6	SGL TINT		W	16.0		133.9		.98		2097.8
						SGL TINT		W	18.0		133.9		.98		2360.0
						SGL TINT		W	24.0		133.9		.98		3146.6

.15 x COND. FLOOR /	TOTAL GLASS	=	ADJ. x	GLASS	=	ADJ GLASS	GLASS
AREA	AREA		FACTOR	POINTS		POINTS	POINTS
.15	1,678.00		277.00	.909	30,386.90	27,611.49	17,991.84

NON GLASS	TYPE	R-VALUE	AREA	x	SPM	=	POINTS
AREA x BSPM =							

WALLS-----								
Ext	996.0	1.6	1593.6	Ext LtWtBlock Int	3.5	996.0	2.05	2041.8
Adj	233.0	1.0	233.0	Adj NormWtBlock In	3.5	233.0	1.25	291.3

DOORS				Ext Wood		21.0	9.40	197.4
Ext	21.0	6.4	134.4					

CEILINGS				Under Attic		19.0	1678.0	1.50	2517.0
UA	1678.0	.8	1342.4						

FLOORS				Raised Concrete		.0	1678.0	.80	1342.4
Rsd	1678.0	-2.2	-3624.5						

INFILTRATION				Practice #2		1678.0	14.70	24666.6
1678.0	14.7	24666.6						

TOTAL SUMMER POINTS									49,048.29
			51,957.01						

TOTAL x SYSTEM	=	COOLING	TOTAL	x	CAP	x	DUCT	x	SYSTEM	x	CREDIT	=	COOLING
SUM PTS	MULT	POINTS	COMPO	RATIO	MULT	MULT	MULT	MULT	MULT	MULT	MULT	POINTS	
51,957.01	.37	19,224.09	49,048.29	1.00	1.000	.317	1.000	15,548.31					



# \*\*\*\*\* WINTER CALCULATIONS \*\*\*\*\*

=== BASE ===				=== AS-BUILT ===				
GLASS	ORIENT	AREA	x BWPM = POINTS	TYPE	SC	ORIEN	AREA	x WPM x WOF = POINTS
N	177.00	-.4	-70.8	SGL TINT		N	96.0	3.7 1.14 404.9
				SGL TINT		N	64.0	3.7 1.14 269.2
				SGL TINT		N	17.0	3.7 1.01 63.7
S	42.00	-.4	-16.8	SGL TINT		S	42.0	-1.8 -1.44 108.7
W	58.00	-.4	-23.2	SGL TINT		W	16.0	.2 1.43 4.6
				SGL TINT		W	18.0	.2 1.43 5.2
				SGL TINT		W	24.0	.2 1.43 6.9

.15 x COND. FLOOR / AREA	TOTAL GLASS AREA	= ADJ. FACTOR	x GLASS POINTS	= ADJ GLASS POINTS	GLASS POINTS
.15	1,678.00	277.00	.909	-110.80	-100.68   863.12

NON GLASS	AREA	x BWPM = POINTS	TYPE	R-VALUE	AREA	x WPM = POINTS
WALLS						
Ext	996.0	.3	Ext LtWtBlock Int	3.5	996.0	.85 846.6
Adj	233.0	.5	Adj NormWtBlock In	3.5	233.0	.47 110.7
DOORS						
Ext	21.0	1.8	Ext Wood		21.0	2.80 58.8
CEILINGS						
UA	1678.0	.1	Under Attic	19.0	1678.0	.30 503.4
FLOORS						
Rsd	1678.0	-.3	Raised Concrete	.0	1678.0	1.00 1678.0
INFILTRATION						
	1678.0	1.2	Practice #2		1678.0	1.20 2013.6
TOTAL WINTER POINTS		2,063.98				6,074.19

TOTAL x WIN PTS	SYSTEM MULT	= HEATING POINTS	TOTAL x COMON	CAP RATIO	x DUCT MULT	x SYSTEM MULT	x CREDIT MULT	= HEATING POINTS
2,063.98	1.10	2,270.38	6,074.19	1.00	1.000	1.000	1.000	6,074.19

\*\*\*\*\*  
WATER HEATING  
\*\*\*\*\*

== BASE ==				== AS-BUILT ==				
NUM OF BEDRMS	x MULT	= TOTAL	 TANK VOLUME	EF	TANK RATIO	x MULT	x CREDIT	= TOTAL MULT
2	3319.0	6,638.00	40	.96	1.000	3042.0	1.00	6,084.00

\*\*\*\*\*  
SUMMARY  
\*\*\*\*\*

== BASE ==				== AS-BUILT ==			
COOLING POINTS	HEATING POINTS	HOT WATER POINTS	TOTAL POINTS	COOLING POINTS	HEATING POINTS	HOT WATER POINTS	TOTAL POINTS
19224.1	2270.4	6638.0	28,132.47	15548.3	6074.2	6084.0	27,706.50

\*\*\*\*\*  
\* EPI = 98.49 \*  
\*\*\*\*\*

## ENERGY GUIDE

For detailed information  
of the EPI rating number  
or for any ITEM listed,  
ask your Builder for  
DCA Form 600A-93  
or Form 600B-93

EPI= 98.5

0 10 20 30 40 50 60 70 80 90 100

|-----X-----|

The maximum allowable EPI is 100. The lower the EPI the more efficient the home

## RESIDENTIAL ENERGY PERFORMANCE RATING SHEET

ITEM	HOME VALUE	Low Efficiency	High Efficiency
WINDOWS.....	Single Tint	SINGL CLR  -----X-----	DBL TINT  -----
INSULATION.....			
Ceiling R-Value.....	19.0	R-10  -----X-----	R-30  -----
Wall R-Value.....	3.5	R-0  -----X-----	R-7  -----
Floor R-Value.....	0.0	R-0  X-----	R-19  -----
AIR CONDITIONER.....			
SEER.....	10.6	10.0  X-----	SEER 17.0  -----
HEATING SYSTEM.....			
Electric COP.....	1.0	2.50  X-----	COP 4.19  -----
WATER HEATER.....			
Electric EF.....	0.96	0.88  -----X-----	0.96  -----
Gas EF.....	0.00	0.54  -----	0.90  -----
Solar EF.....		0.40  -----	0.80  -----
OTHER FEATURES.....			
.....			

I certify that these energy saving features required for the Florida  
Energy Code have been installed in this house.

Address: \_\_\_\_\_ Builder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

City/Zip \_\_\_\_\_  
Florida Energy Code for Building Construction - 1993  
Florida Department of Community Affairs

FL-EPL CARD93



## \* RESMANUJ(c) \*

## WHOLE HOUSE

HEAT GAIN / HEAT LOSS CALCULATION USING EPI92-FLA/RES(c) DATA FILES  
(BASED ON A.C.C.A. MANUAL J - SEVENTH EDITION (c) 1986 by A.C.C.A.)

NAME : BAYPOINT CONDO / PHASE 11

ADDRESS : BLUEBILL AVE

CITY : NAPLES, FL 33963

OWNER :

BUILDER :

Conditioned Floor Area : 1678 SF

\* Climatic Conditions &amp; Design Conditions \*

Geographical Location : Florida | Fort Myers

North Latitude / Elevation	26 Deg. / 13 Ft. Above Sea Level
Outdoor Winter Dry Bulb	44 Deg. F
Indoor Winter Dry Bulb	70 Deg. F
Winter (Actual) Temp.Diff.	26 Deg. F
Winter Temp. Diff. (wTd)	40 Deg. F
Outdoor Summer Dry Bulb	92 Deg. F
Outdoor Summer Wet Bulb	78 Deg. F
Outdoor Summer Humidity Ratio	124
Indoor Summer Relative Humidity	50%
Indoor Summer Design Grains / Lb.	58
Indoor Summer Dry Bulb	75 Deg. F
Indoor Summer Wet Bulb	62.3 Deg. F @ 64 Gr/Lb
Summer Daily Range	18 Deg. F ~ L
Summer (Actual) Temp.Diff.	17 Deg. F
Summer (User Sel) Temp.Diff. (sTd)	20 Deg. F

## \* HEATING SUMMARY \*

## \* COOLING SUMMARY \*

SUBTOTAL	: 51340.54	STRUCTURE SENSIBLE	: 32923.34
		MECH. VENT - 200 CFM	: 3740.00
		SENS. + MECH. VENT	: 36663.34
		TEMP. SWING @ 3 DEG.	: 1.00
		OCCUPANT/APPLIANCE	: 2400.00
DUCT LOSS	: 0	DUCT GAIN	: 0.00
TOTAL LOSS/BTUH	: 51340.54	TOTAL SENSIBLE	: 39063.34
		TOTAL LATENT	: 15668.85

20% OVERSIZE FACTOR	: 10268.11	20% SENS. OVRSIZE FTR	: 7812.67
ACTUAL + 20% OVERSIZE	: 61608.65	SENS. + 20% OVERSIZE	: 46876.01

## \* EQUIPMENT SELECTION \*

EQT. MANUF.	MODEL #	TYPE
HTG INPUT	HTG OUTPUT	AFUE/HSPF
SENSIBLE CLG	LATENT CLG	TOTAL TONNAGE
(S)EER	CLG CFM	HTG CFM

\* L O A D C A L C U L A T I O N \*

	TYPE	Inside Shade	Sc	Area	Loss/Btuh	Gain/Btuh
G L A S S-----						
North	Single Tint	No Shade	1	96.00	3801.60	2304.00
North	Single Tint	No Shade	1	64.00	2534.40	1536.00
North	Single Tint	No Shade	1	17.00	673.20	408.00
West	Single Tint	No Shade	1	16.00	633.60	1040.00
West	Single Tint	No Shade	1	18.00	712.80	1170.00
West	Single Tint	No Shade	1	24.00	950.40	1560.00
South	Single Tint	No Shade	1	42.00	1663.20	1512.00
Infiltration : Winter Htm ( 17.48 )			x	277.00	4841.96	
Infiltration : Summer Htm ( 5.28 )			x	277.00		1462.56
Window Frame : Wooden or Vinyl						
SUBTOTALS:				277.00	15811.16	10992.56
-----						
		R-Value		Area	Loss/Btuh	Gain/Btuh
W A L L S-----						
N/W C.B. - Int Insul - Adj.		3.5		233.00	2097.00	1025.20
L/W C.B. - Ext Insul - Ext.		3.5		996.00	7968.00	4083.60
SUBTOTALS:				1229.00	10065.00	5108.80
-----						
D O O R S-----						
Solid Core/Wood - Ext.		0		21.00	598.50	266.70
Infiltration : Winter Htm( 17.48 )			x	21.00	367.08	
Infiltration : Summer Htm( 5.28 )			x	21.00		110.88
SUBTOTALS:				21.00	965.58	377.58
-----						
C E I L I N G S-----						
Under Attic		19		1678.00	3523.80	4195.00
-----						
F L O O R S-----						
Raised Concrete		0		1678.00	20975.00	12249.40
-----						
* TOTAL STRUCTURE SENSIBLE *						
					51340.54	36663.34