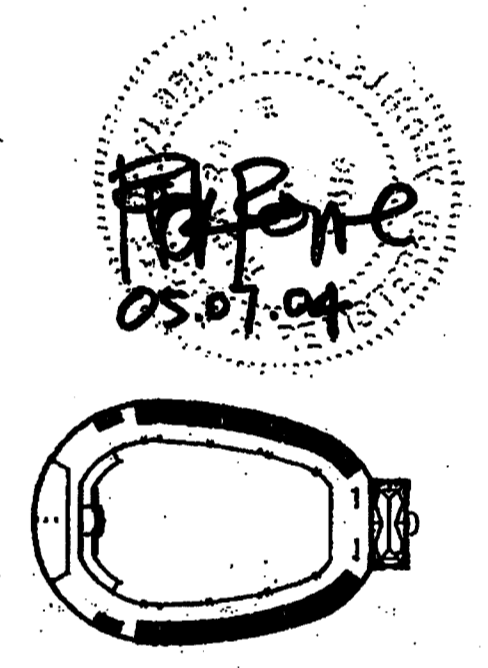


- KEYNOTES**
- 02821 CHAIN-LINK FENCES AND GATES
 - 02821.A1 Chain-Link Fence
 - 02821.B1 Single Swing Gate
 - 02821.B2 Double Swing Gate
 - 02821.B5 Single Horizontal Slide Gate
- GENERAL NOTES**
- 0.000 DEMOLITION
 - 0.203 remove existing curb
 - 0.213 remove existing chain link fence
 - 0.264 existing fence to remain
 - 1.000 ARCHITECTURAL
 - 1.012 wall
 - 2.000 SITEWORK
 - 2.013 concrete sidewalk
 - 2.021 foiled edge
 - 2.057 concrete apron
 - 2.102 foiled control joint
 - 2.104 expansion joint material
 - 2.157 repair existing gap in fence

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F14 KEYNOTES

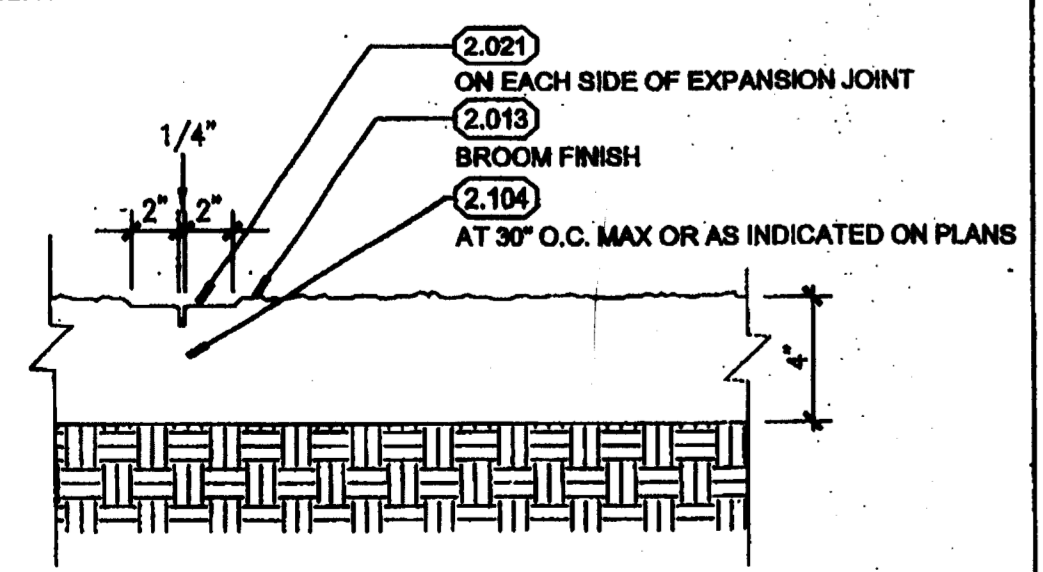
CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.0202.00	
Distribution	Date
BID DOCUMENTS	02.02.04
REVISION 2	05-07-04

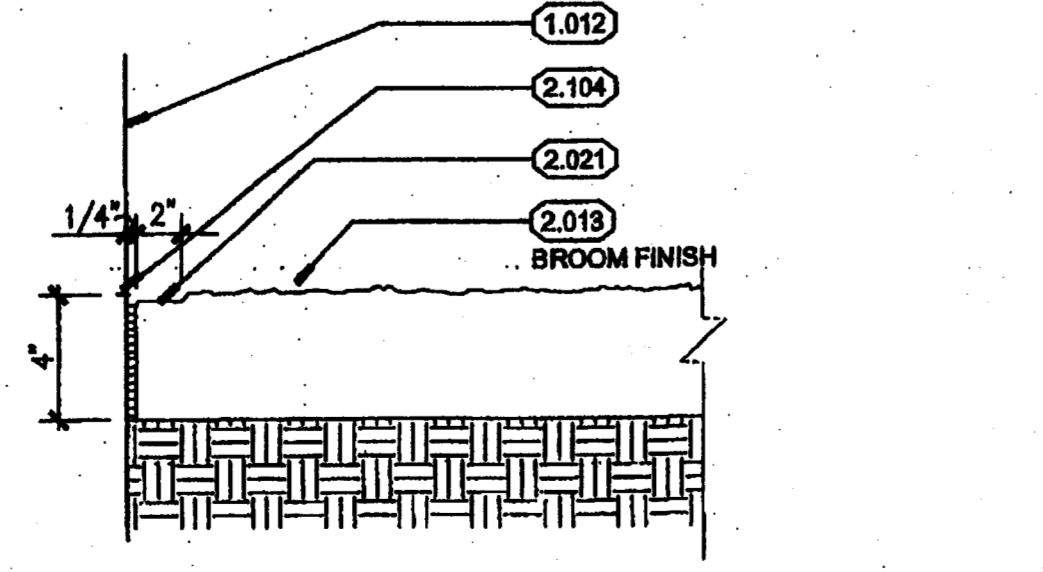
C1 SITE PLAN

1" = 20'-0"



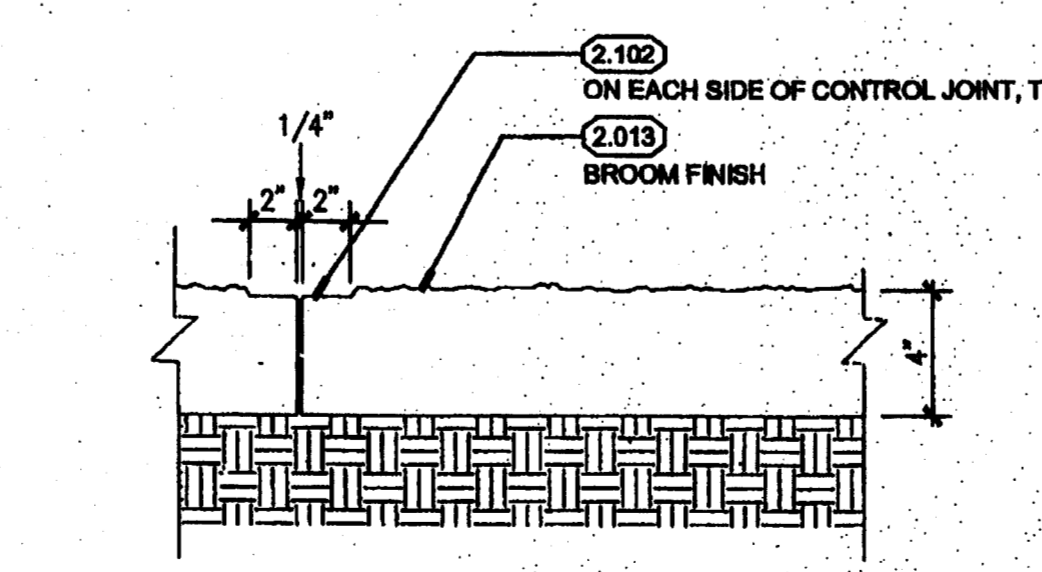
A1 CONTROL JOINT DETAIL

1 1/2" = 1'-0"



A4 EXPANSION JOINT DETAIL

1 1/2" = 1'-0"

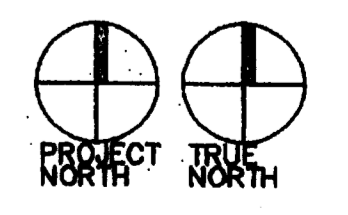


A7 EXPANSION JOINT DETAIL

1 1/2" = 1'-0"

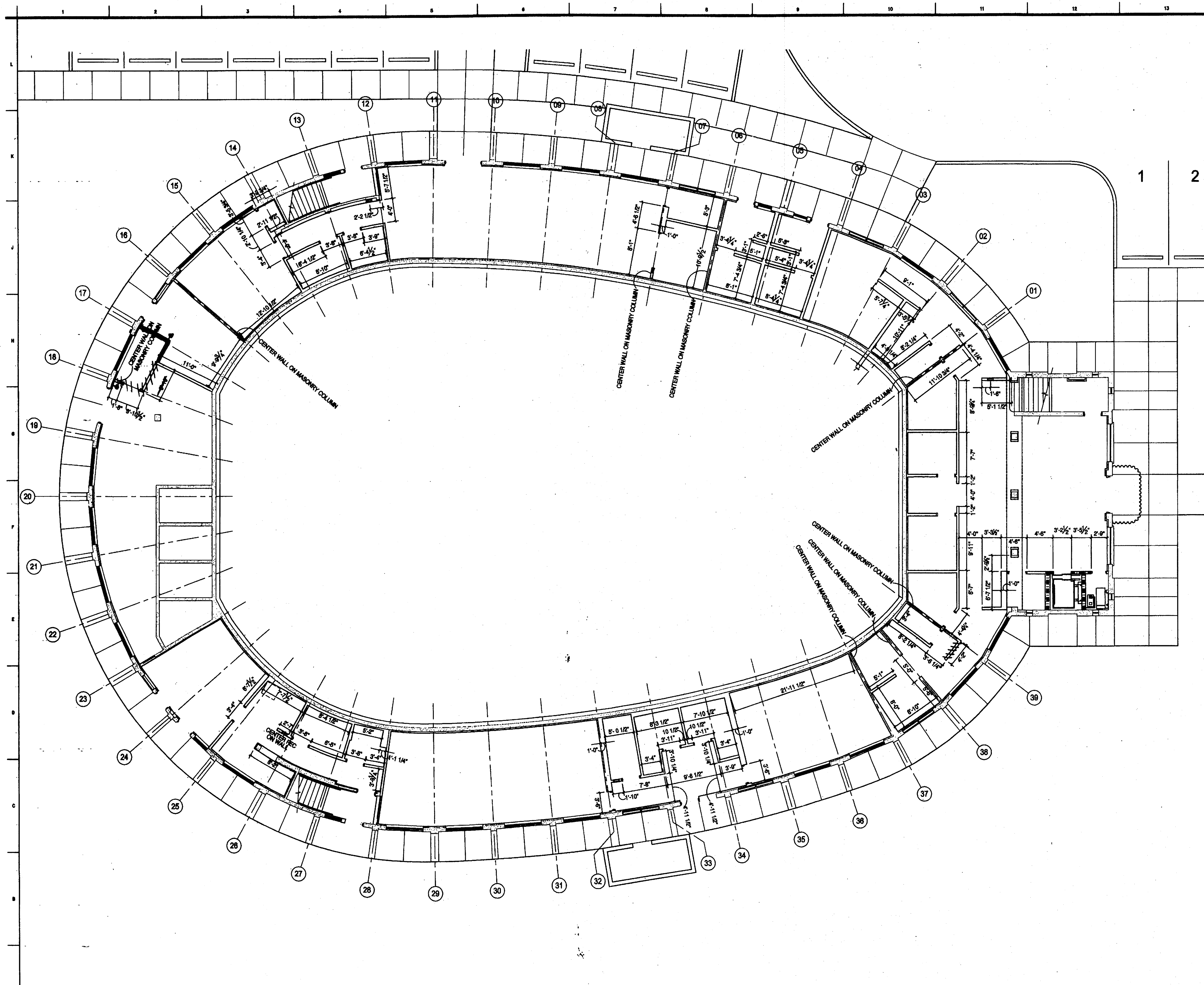
A14 LEGENDS / NOTES

SITE PLAN
RECORD DWG.
DATE 8/26/05



A100



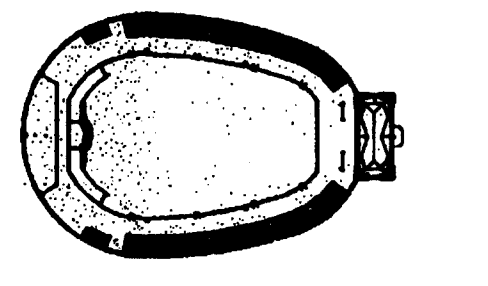


INSTANCES OF ALL NOTES ARE TYPICAL

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1 2

F14 KEYNOTES



CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

Distribution	Date
BID DOCUMENTS	02.02.04

DIMENSION PLAN LEGEND

- MASONRY WALL PARTITION
- MTL STUD PARTITION
- EXISTING MASONRY WALL TO REMAIN
- CONSTRUCTION ABOVE OR BELOW

GENERAL NOTES

1. Refer to Architectural Floor Plans for locations of all new openings.
2. Dimensions of new partitions are to the finished face unless noted otherwise.
3. All elevation indications reference control point 0'-0".

DIMENSION FLOOR PLAN
First Floor **RECORD DWG.**

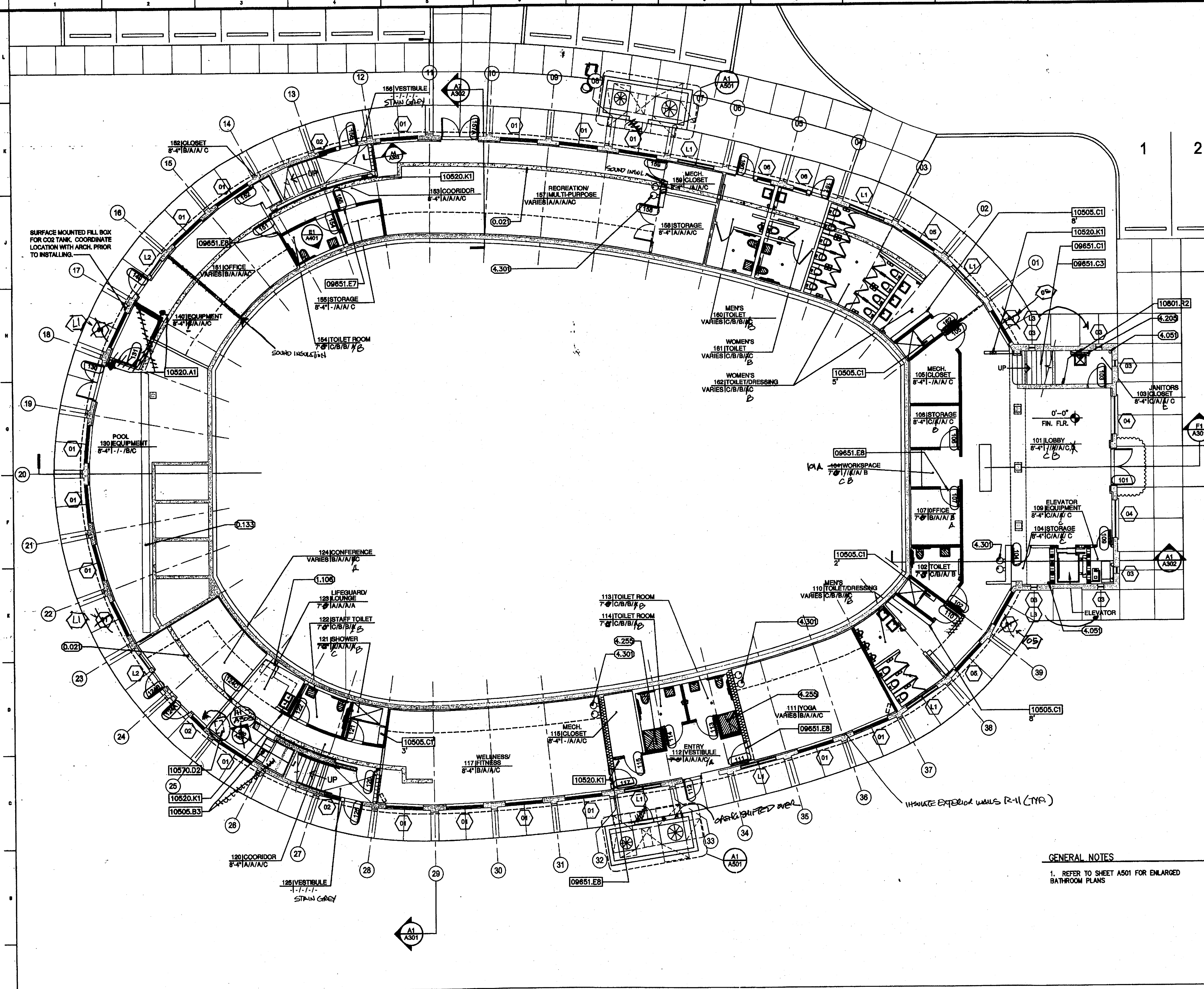
SCALE: 1/8" = 1'-0"
DATE 8/22/05

A1 DIMENSION FLOOR PLAN - First Floor

1/8"=1'-0"

A14 LEGEND / NOTES

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A101.1
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2/7 007



KEYNOTES

0951	ACOUSTICAL PANEL CEILING
0951.A1	Suspended Acoustical Panel Ceiling System
0951.A2	Suspended Gypsum Based Panel Ceiling System
0965	RESILIENT TILE FLOORING
0965.B1	Wall Base
0965.C1	Stair Tread
0965.C3	Stair Stringer
0965.E3	Cap for saw-cut
0965.E7	Reducer strip for resilient flooring
0965.E8	Tile and carpet jointer
0967	RESINOUS FLOORING
0967.A1	Resinous Flooring
0980	CARPET
0980.A1	Carpet - OPT-1
0992	PAINTING
0992.A4	Paint, Low-Luster Acrylic-Enamel Finish
0992.A5	Paint, Semigloss Acrylic-Enamel Finish
0992.D1	Epoxy Emulsion Coating
10505	METAL LOCKERS
10505.B3	Athletic Lockers, Double tier
10505.C1	Locker benches
10520	FIRE-PROTECTION SPECIALTIES
10520.A1	Portable Fire Extinguishers
10520.K1	Fire Extinguisher Cabinet
10570	EDUCATIONAL SPECIALTIES
10570.D2	Ceiling Mount TV Bracket
10801	TOILET AND BATH ACCESSORIES
10801.R2	Map and Broam Holder with Utility Shelf

GENERAL NOTES

0.000	DEMOLITION
0.021	fill existing trench to match existing floor
0.133	existing trench to remain
1.000	ARCHITECTURAL
1.106	refrigerator (n.l.c.)
4.000	PLUMBING
4.051	roof drain
4.205	map sink (floor mounted)
4.255	prefabricated shower
4.301	electric water cooler

F14 KEYNOTES

ROOM FINISH LEGEND

Floor	
A	[09651.E1] VCT
B	[09880.A1] Carpet
C	[09671.A1] Resinous Flooring
Base	
A	[09651.B1] Resilient Wall Base
B	[09671.A1] Resinous Flooring
Walls	
A	[09912.A5] Paint on Gypsum Board
B	[09912.D1] Epoxy Emulsion Coating on Gypsum Board
C	[09912.A4] Paint on Existing Concrete
Ceiling	
A	[09511.A1] Suspended Acoustical Panel System
B	[09511.A2] Suspended Gypsum Board Panel
C	[09912.A4] Paint on Existing Concrete

DRAWING LEGEND

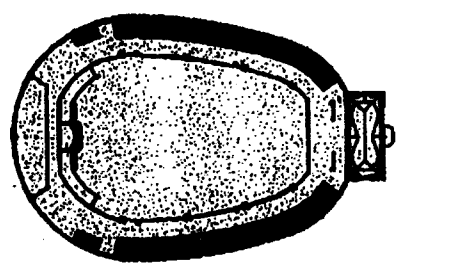
- [Symbol] HANICAPPED ACCESSIBLE PLUMBING FIXTURE OR SHOWER STALL
- [Symbol] MTL STUD PARTITION
- [Symbol] MTL STUD PARTITION WITH BATT INSULATION
- [Symbol] EXISTING CONCRETE OR MASONRY WALL TO REMAIN
- [Symbol] CMU MASONRY WALL
- [Symbol] CONSTRUCTION ABOVE OR BELOW

ROOM INFORMATION KEY

ROOM NUMBER	ROOM NAME
100 LOBBY	9'-0" 1A / A / A
CEILING HEIGHT	FINISHES (FLOOR/BASE/WALL/CEILING)

GENERAL NOTES

1. REFER TO SHEET A501 FOR ENLARGED BATHROOM PLANS



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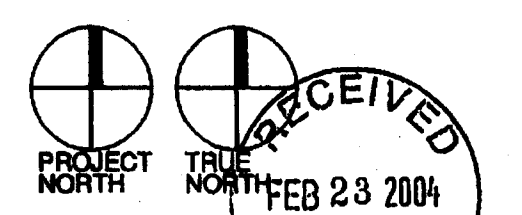
Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

FLOOR PLAN

First Floor

RECORD DWG.

DATE 8/28/05



A1 FLOOR PLAN - First Floor

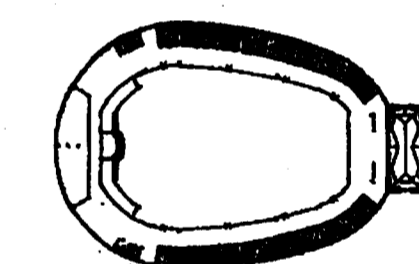
1/8"=1'-0"

A14 LEGEND / NOTES

A101

217

Rowe
08.05.04



CUSCADEN
POOL
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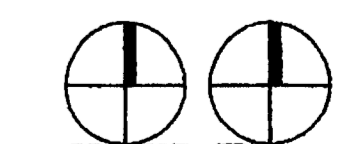
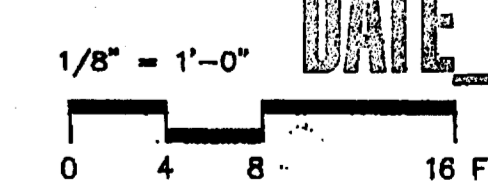
Project: No.0202.00

Distribution	Date
BID DOCUMENTS	02.02.04
DOH PERMIT SUBMITTAL	02.12.04

FLOOR PLAN
First Floor

RECORD DWG.

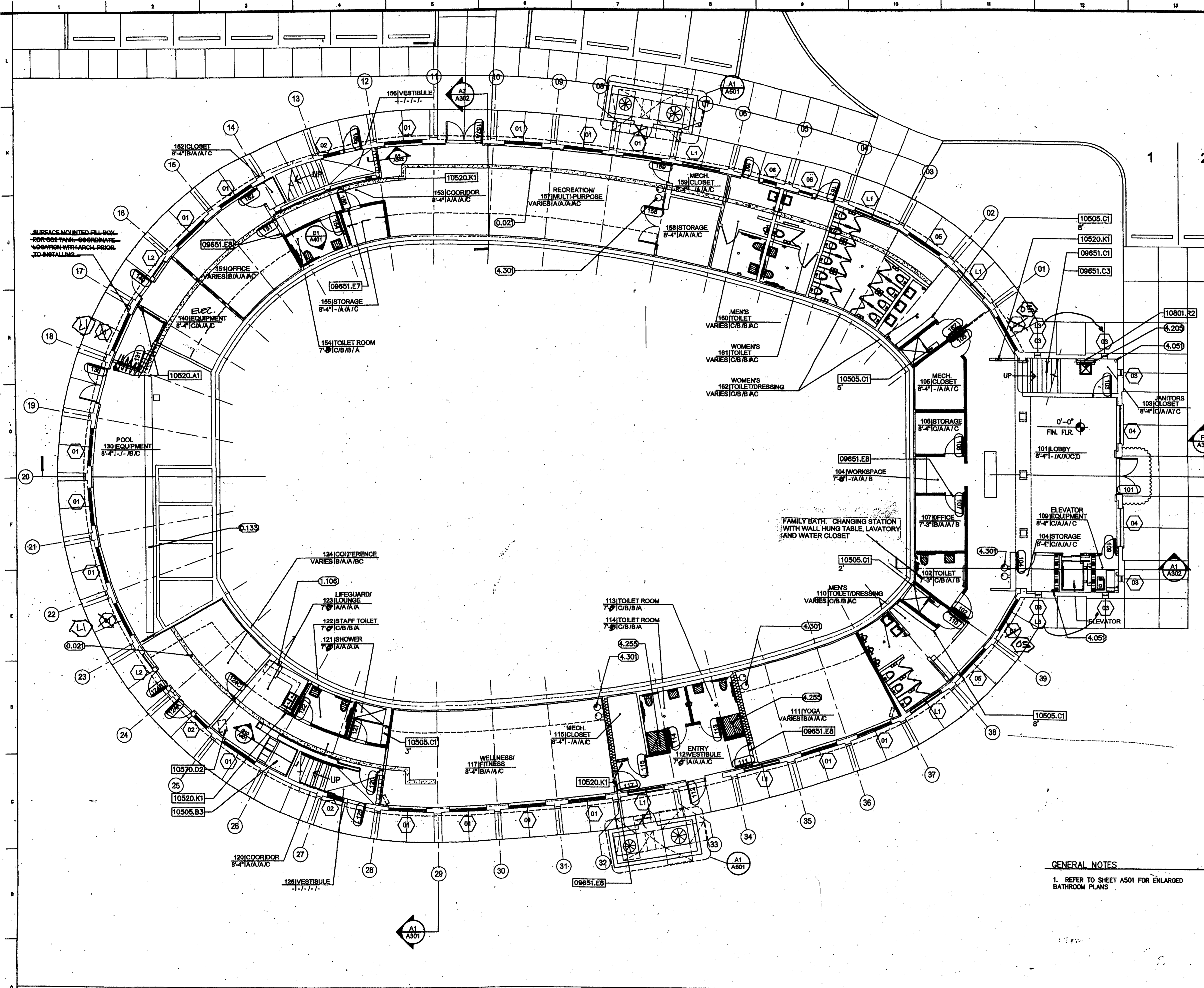
DATE *8/26/05*



A101



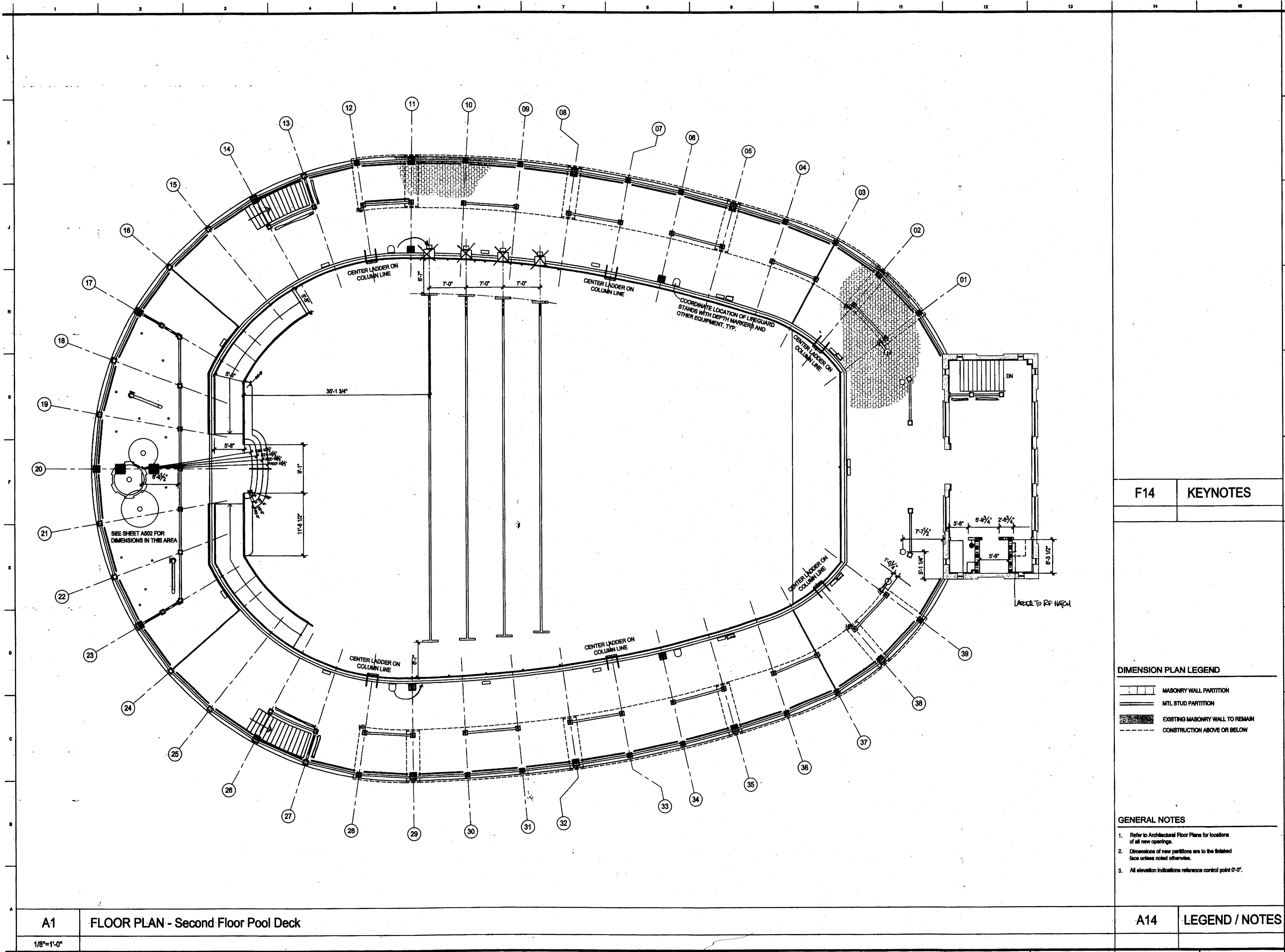
KEYNOTES	
0951	ACOUSTICAL PANEL CEILING
0951.A1	Suspended Acoustical Panel Ceiling System
0951.A2	Suspended Gypsum Based Panel Ceiling System
0965	RESILIENT TILE FLOORING
0965.B1	Wall Base
0965.C1	Stair Tread
0965.C3	Stair Stringer
0965.E1	Cap for cove carpet
0965.E7	Reducer strip for resilient flooring
0965.E8	Tile and carpet jointer
0967	RESINOUS FLOORING
0967.A1	Resinous Flooring
0980	CARPET
0980.A1	Carpet - CPT-1
0992	PAINTING
0992.A4	Paint, Low-Luster
0992.A5	Acrylic-Enamel Finish
0992.D1	Acrylic-Enamel Finish Epoxy Emulsion Coating
10505	METAL LOCKERS
10505.B3	Athletic Lockers, Double tier.
10505.C1	Locker benches.
1080	FIRE-PROTECTION SPECIALTIES
1080.A1	Portable Fire Extinguishers
1080.K1	Fire Extinguisher Cabinet
10870	EDUCATIONAL SPECIALTIES
10870.D2	Ceiling Mount TV Bracket
10801	TOILET AND BATH ACCESSORIES
10801.R2	Mop and Broom Holder with Utility Shelf
GENERAL NOTES	
0.000	DEMOLITION
0.021	fill existing trench to match existing floor
0.133	existing trench to remain
1.000	ARCHITECTURAL refrigerator (n.l.c.)
1.106	
4.000	PLUMBING
4.051	roof drain
4.205	mop sink (floor mounted)
4.255	prefabricated shower
4.301	electric water cooler
F14 KEYNOTES	
ROOM FINISH LEGEND	
Floor	
A	[09651.E1] VCT
B	[09680.A1] Carpet
C	[09671.A1] Resinous Flooring
Base	
A	[09651.B1] Resilient Wall Base
B	[09671.A1] Resinous Flooring
Walls	
A	[09912.A5] Paint on Gypsum Board
B	[09912.D1] Epoxy Emulsion Coating on Gypsum Board
C	[09912.A4] Paint on Existing Concrete
Ceiling	
A	[09511.A1] Suspended Acoustical Panel System
B	[09511.A2] Suspended Gypsum Board Panel
C	[09912.A4] Paint on Existing Concrete
DRAWING LEGEND	
[Symbol]	HANDICAPPED ACCESSIBLE PLUMBING FIXTURE OR SHOWER STALL
[Symbol]	MTL STUD PARTITION
[Symbol]	MTL STUD PARTITION WITH BATT INSULATION
[Symbol]	EXISTING CONCRETE OR MASONRY WALL TO REMAIN
[Symbol]	CMU MASONRY WALL
[Symbol]	CONSTRUCTION ABOVE OR BELOW
ROOM INFORMATION KEY	
ROOM NUMBER	ROOM NAME
100	LOBBY
9'-0" DIA / A / A / A	FINISHES (FLOOR, BASE, WALL, CEILING)
CEILING HEIGHT	
GENERAL NOTES	
1. REFER TO SHEET A501 FOR ENLARGED BATHROOM PLANS	



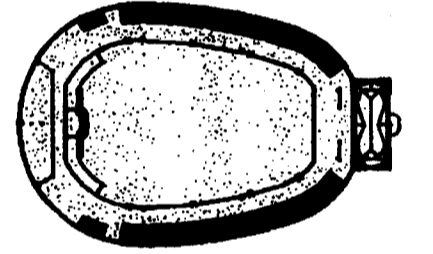
A1 FLOOR PLAN - First Floor

1/8"=1'-0"

A14 LEGEND / NOTES



F14 KEYNOTES



CUSCADEN POOL RENOVATION

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BID DOCUMENTS	02.02.04

DIMENSION PLAN LEGEND

	MASONRY WALL PARTITION
	MTL STUD PARTITION
	EXISTING MASONRY WALL TO REMAIN
	CONSTRUCTION ABOVE OR BELOW

- GENERAL NOTES**
1. Refer to Architectural Floor Plans for locations of all new openings.
 2. Dimensions of new partitions are to the finished face unless noted otherwise.
 3. All elevation indications reference control point 0'-0\".

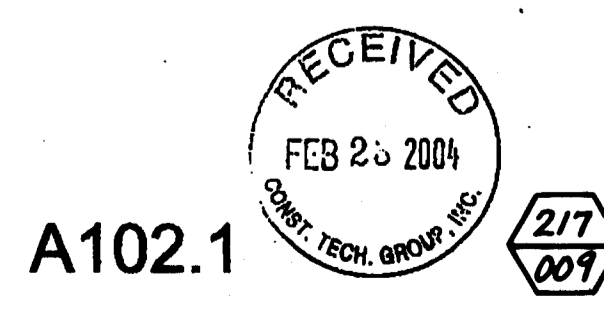
A1 FLOOR PLAN - Second Floor Pool Deck

1/8"=1'-0"

A14 LEGEND / NOTES

DIMENSION PLAN
 Second Floor
 Pool Deck

RECORD DWG.
 DATE 8/26/05



A102.1

KEYNOTES

04720	CAST STONE
04720.A9	Cast stone monument
05521	PIPE AND TUBE RAILINGS
05521.A2	Aluminum Tube Railing
05521.B2	Stainless-Steel Tube Railing
06511	ACOUSTICAL PANEL CEILING
06511.A1	Suspended Acoustical Panel Ceiling System
06511.A2	Suspended Gypsum Based Panel Ceiling System
09551	RESILIENT TILE FLOORING
09551.B1	Wall Base
09551.E1	Cap for cove carpet
09571	RESINOUS FLOORING
09571.A1	Resinous Flooring
09580	CARPET
09580.A1	Carpet - CPT-1
09912	PAINTING
09912.A4	Paint, Low-Luster Acrylic-Enamel Finish
09912.A5	Paint, Semigloss Acrylic-Enamel Finish
09912.D1	Epoxy Emulsion Coating
10520	FIRE-PROTECTION SPECIALTIES
10520.A1	Portable Fire Extinguishers
13110	SWIMMING POOLS
13110.D2	Recessed Lane Line & Rope Anchors
13110.L1	Lifeguard Chairs
13110.L2	S.S. Ladder

GENERAL NOTES

1.000	ARCHITECTURAL expansion joint
1.063	entire pool deck to be pavers
1.078	
4.000	PLUMBING roof drain
4.051	prefabricated shower
4.255	water fountain

F14 KEYNOTES

ROOM FINISH LEGEND

Floor	
A	09551.E1 VCT
B	09580.A1 Carpet
C	09571.A1 Resinous Flooring

Base	
A	09551.B1 Resilient Wall Base
B	09571.A1 Resinous Flooring

Walls	
A	09912.A5 Paint on Gypsum Board
B	09912.D1 Epoxy Emulsion Coating on Gypsum Board
C	09912.A4 Paint on Existing Concrete

Ceiling	
A	06511.A1 Suspended Acoustical Panel System
B	06511.A2 Suspended Gypsum Board Panel
C	09912.A4 Paint on Existing Concrete

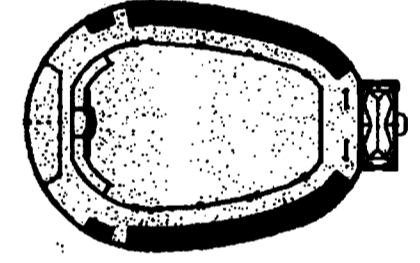
DRAWING LEGEND

- HANDICAPPED ACCESSIBLE PLUMBING FIXTURE OR SHOWER STALL
- MTL STUD PARTITION
- MTL STUD PARTITION WITH BATT INSULATION
- EXISTING CONCRETE OR MASONRY WALL TO REMAIN
- CMU MASONRY WALL
- CONSTRUCTION ABOVE OR BELOW

ROOM INFORMATION KEY

ROOM NUMBER	ROOM NAME
100 LOBBY	9'-0" / A / A / A / A
CEILING HEIGHT	FINISHES (FLOOR/BASE/WALL/CEILING)

A14 LEGEND / NOTES



CUSCADEN POOL RENOVATION

CITY OF TAMPA
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Tampa, Florida 33602

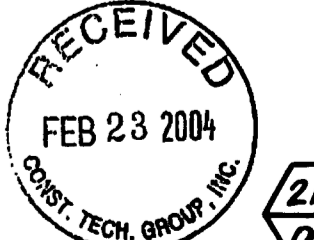
Project No. 0202.00

Distribution Date
BID DOCUMENTS 02.02.04

FLOOR PLAN
Second Floor
Pool Deck

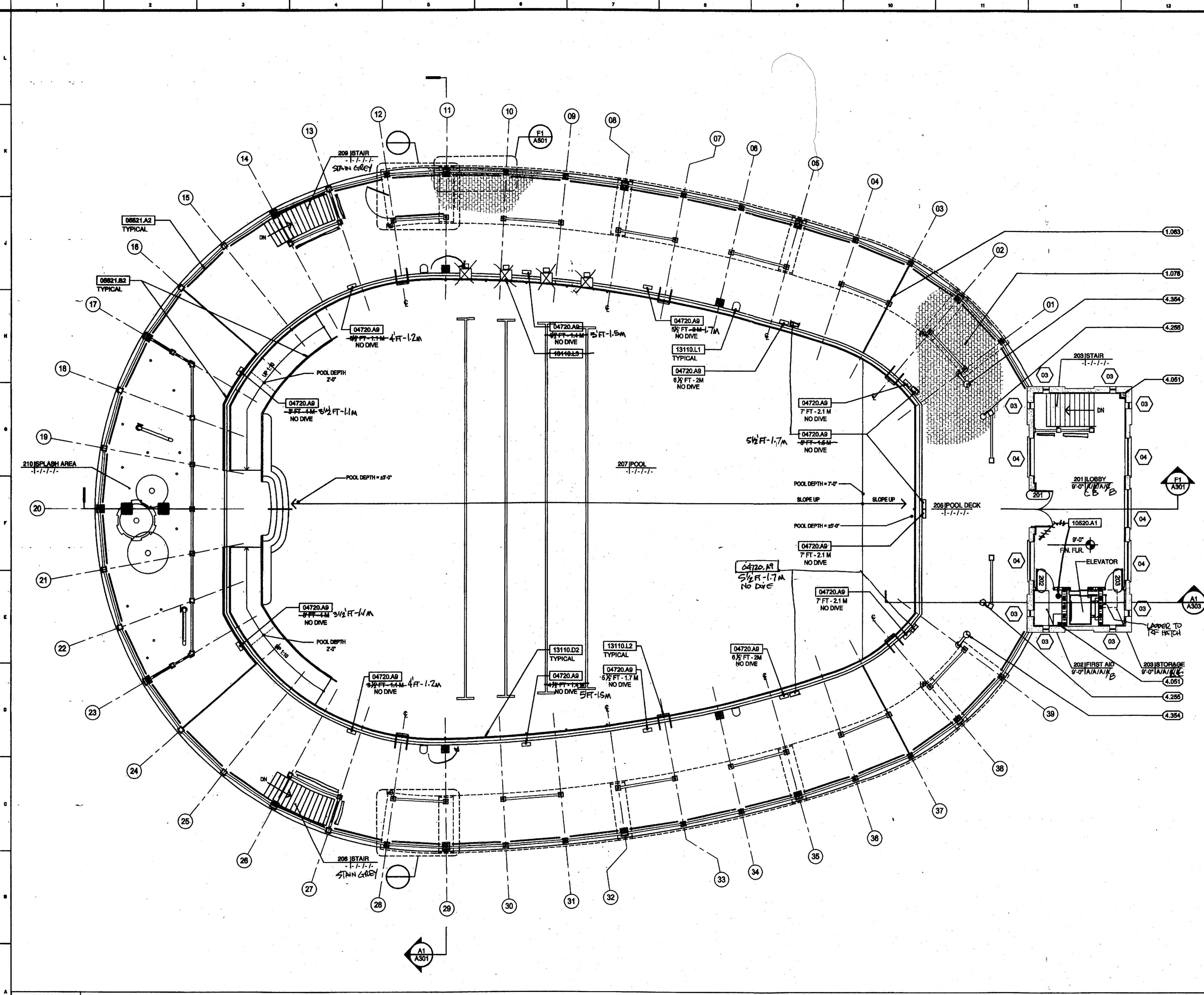
RECORD DWG.

DATE 8/26/05



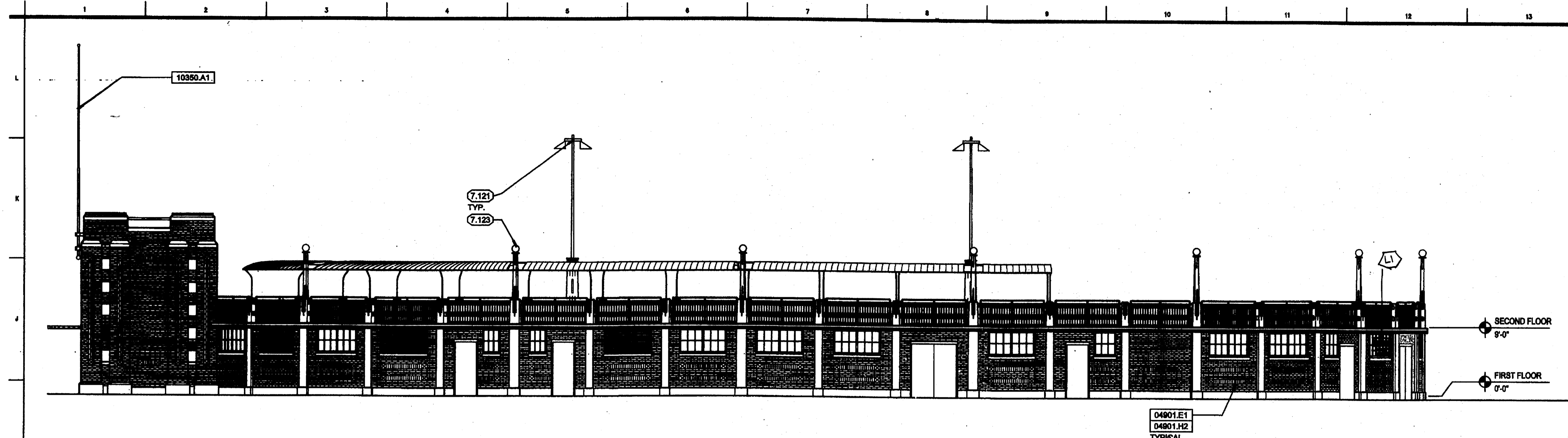
A102

217



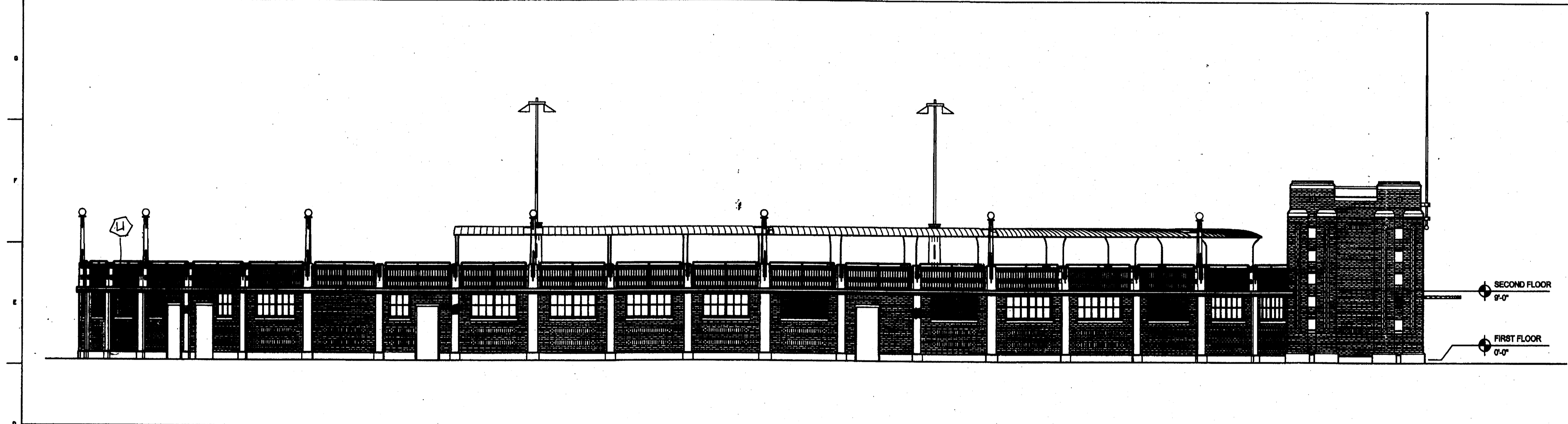
A1 FLOOR PLAN - Second Floor Pool Deck

1/8"=1'-0"



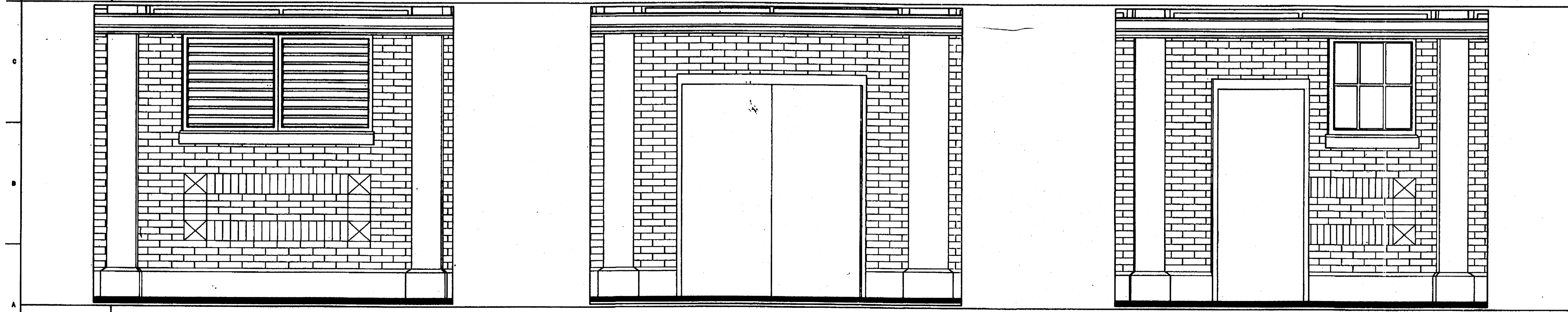
H1 NORTH ELEVATION

1/8" = 1'-0"



D1 SOUTH ELEVATION

1/8" = 1'-0"



A1 ENLARGED ELEVATIONS
(TYPICAL BAY ELEVATIONS)

1/2" = 1'-0"

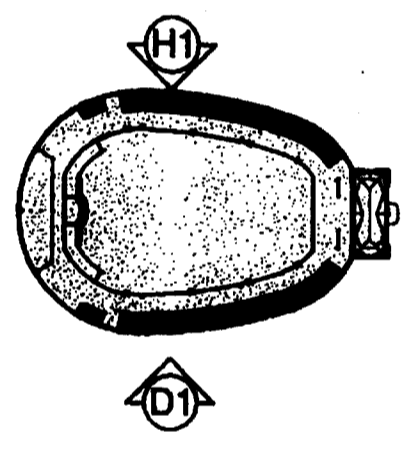
KEYNOTES

- 04901 CLAY MASONRY RESTORATION AND CLEANING
- 04901.E1 Clean Brickwork
- 04901.H2 Repoint Brick
- 10350 FLAGPOLES
- 10350.A1 Aluminum flagpoles.

GENERAL NOTES

- 7.000 ELECTRICAL
- 7.121 pole light fixture
- 7.123 globe light fixture

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CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
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Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

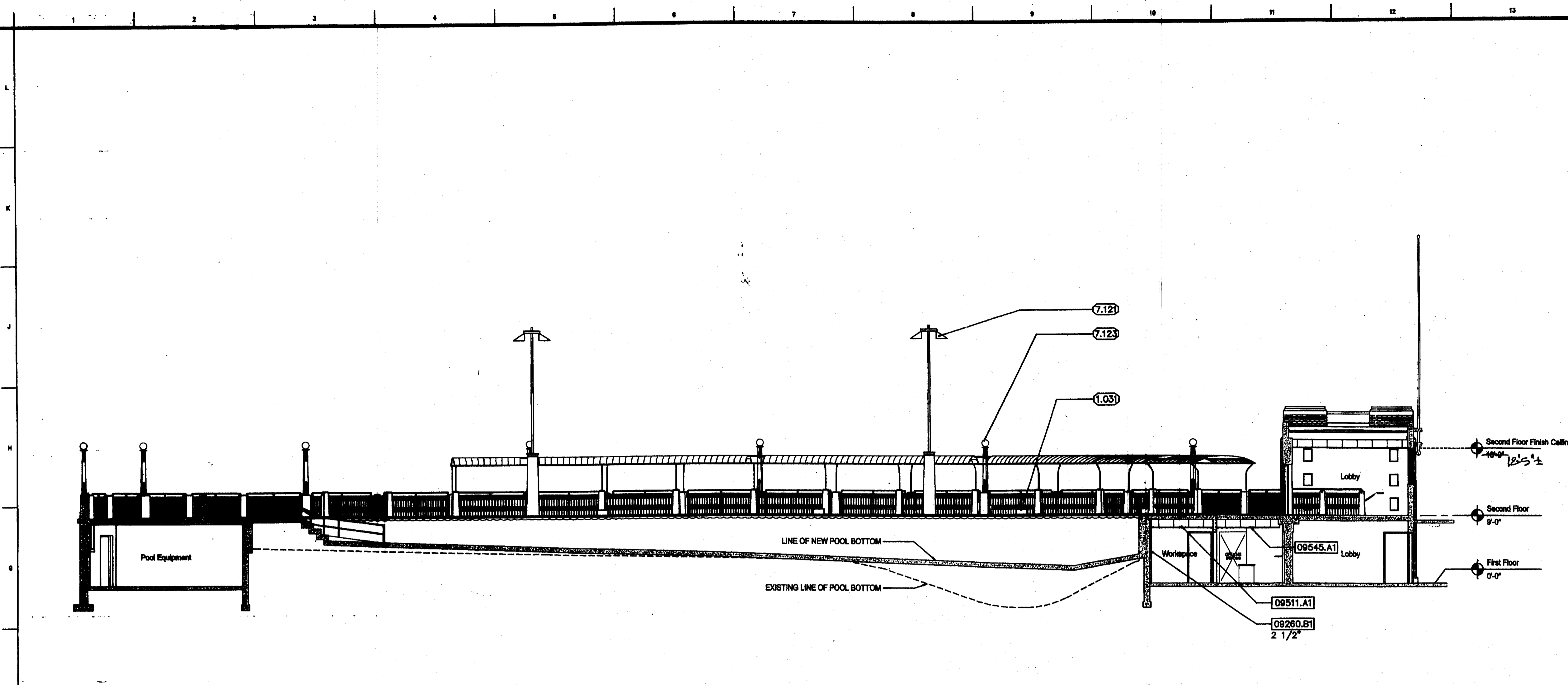
ELEVATIONS
North & South

RECORD DWG.
DATE 8/26/05



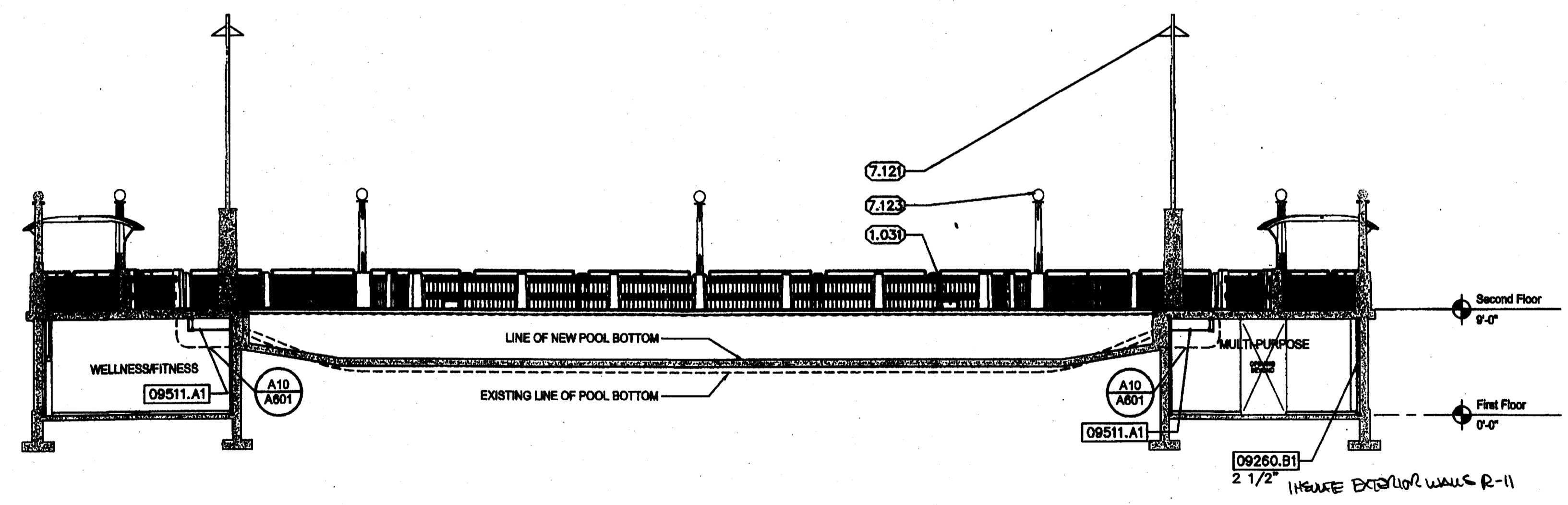
A202

A14 LEGEND / NOTES



F1 BUILDING SECTION

1/8" = 1'-0"



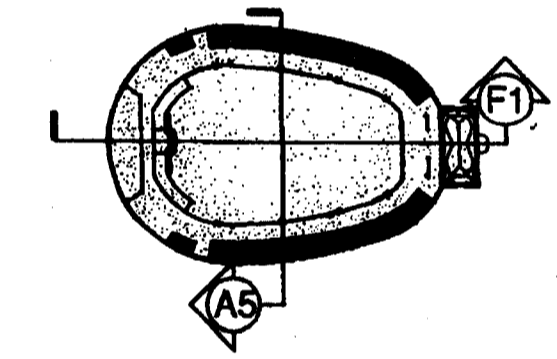
A5 BUILDING SECTION

1/8" = 1'-0"

- KEYNOTES**
- 08280 GYPSUM BOARD ASSEMBLIES
 - 09260.B1 Steel Studs
 - 08811 ACOUSTICAL PANEL CEILING
 - 09511.A1 Suspended Acoustical Panel Ceiling System
 - 08545 METAL CEILING
 - 09545.A1 Suspended Metal Ceiling System

- GENERAL NOTES**
- 1.000 ARCHITECTURAL
 - 1.031 pool depth markers
 - 7.000 ELECTRICAL
 - 7.121 pole light fixture
 - 7.123 globe light fixture

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CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

BUILDING SECTIONS

RECORD DWG.
DATE 8/26/05



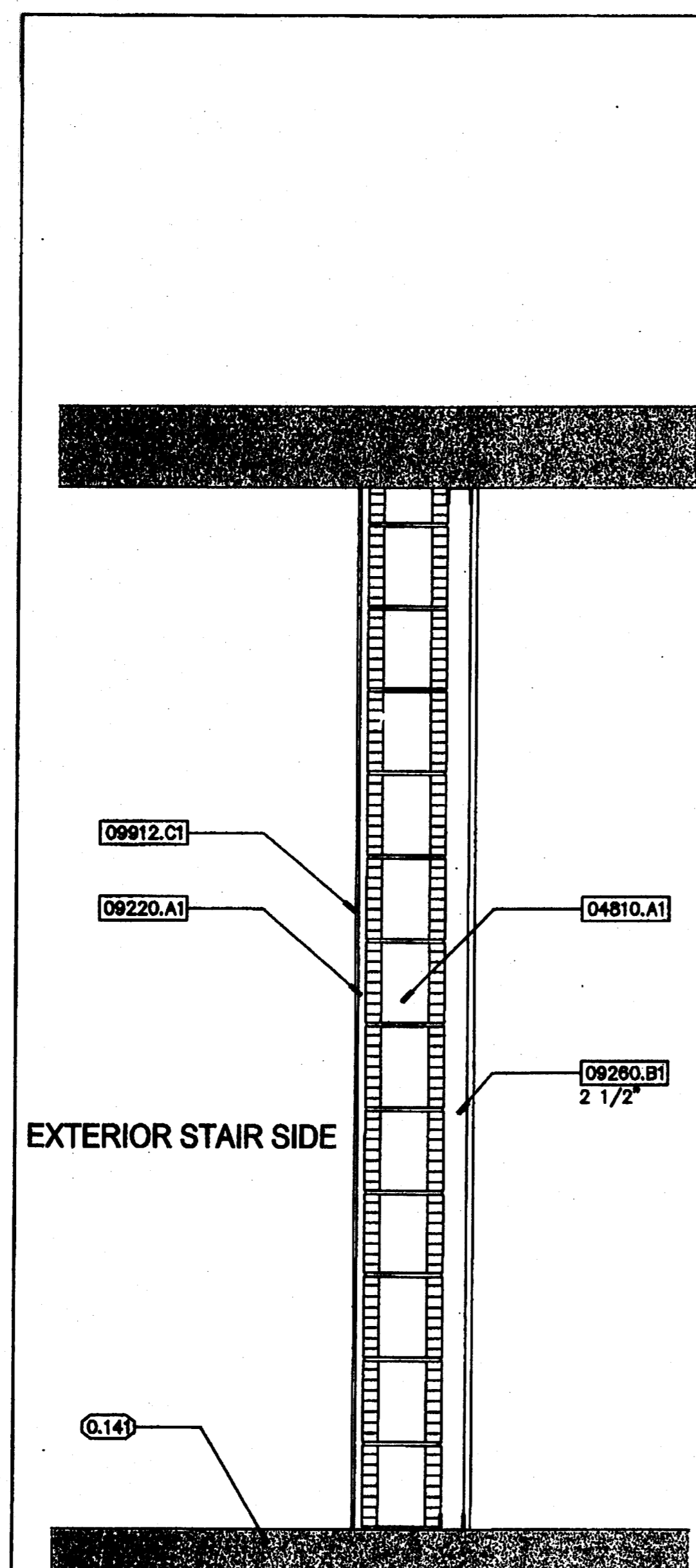
A14 LEGEND / NOTES

A301

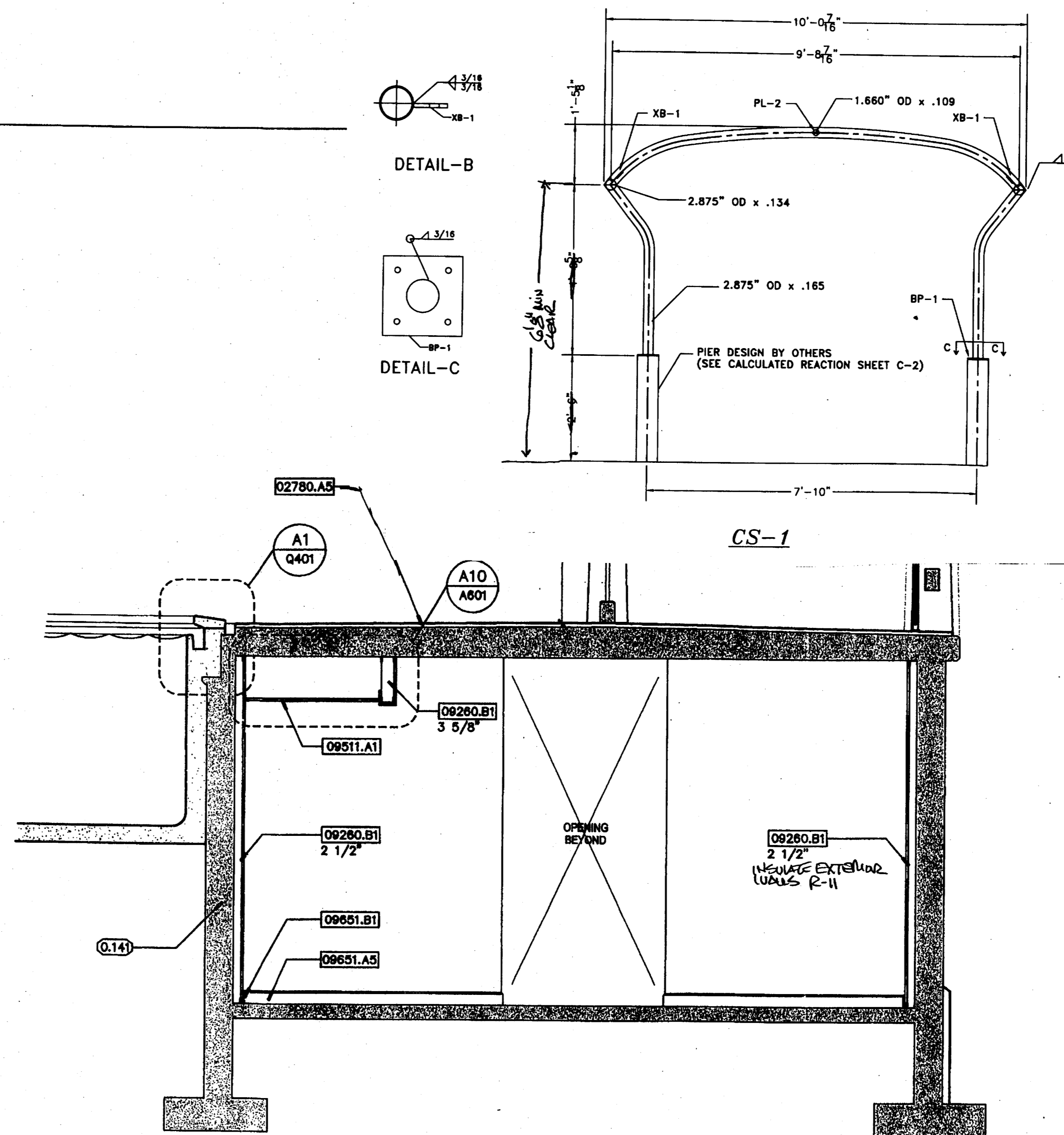
217
009

- KEYNOTES**
- 02780 UNIT PAVERS
02780.A5 Concrete Pavers
 - 04810 UNIT MASONRY ASSEMBLIES
04810.A1 Concrete Masonry Unit
 - 09220 PORTLAND CEMENT PLASTER
09220.A1 Portland Cement Plaster
 - 09260 GYPSUM BOARD ASSEMBLIES
09260.B1 Steel Studs
 - 09511 ACOUSTICAL PANEL CEILING
09511.A1 Suspended Acoustical Panel Ceiling System
 - 09651 RESILIENT TILE FLOORING
09651.A5 Vinyl Composition Tile
09651.B1 Wall Base
 - 09912 PAINTING
09912.C1 Textured Coating

- GENERAL NOTES**
- 0.000 DEMOLITION
 - 0.141 existing masonry to remain



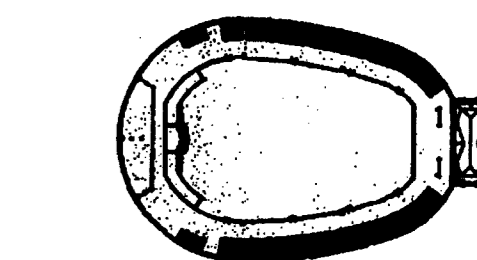
A4 WALL SECTION
1" = 1'-0"



A7 BUILDING SECTION
1/2" = 1'-0"

- DRAWING LEGEND**
- NEW WALL CONSTRUCTION
 - █ EXISTING MASONRY WALL TO REMAIN

A14 LEGEND / NOTES



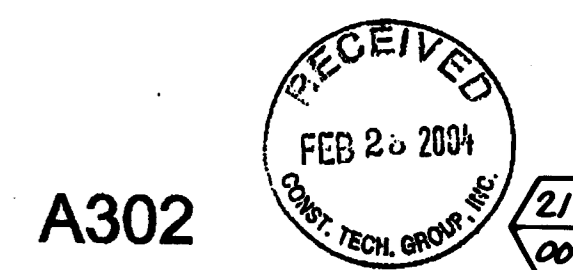
CUSCADEN POOL RENOVATION

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306 East Jackson Street
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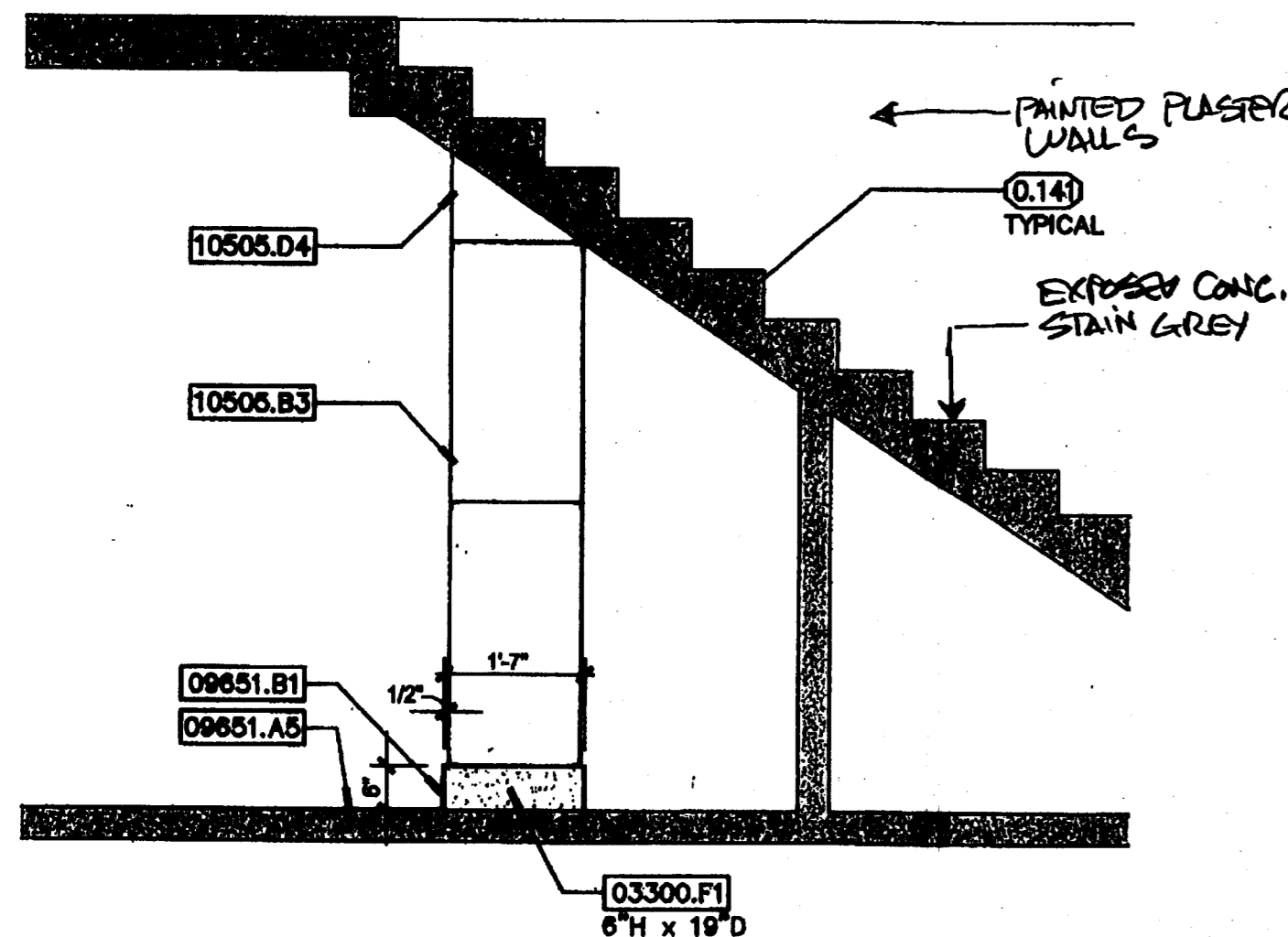
Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

SECTIONS

RECORD DWG
DATE 8/26/05

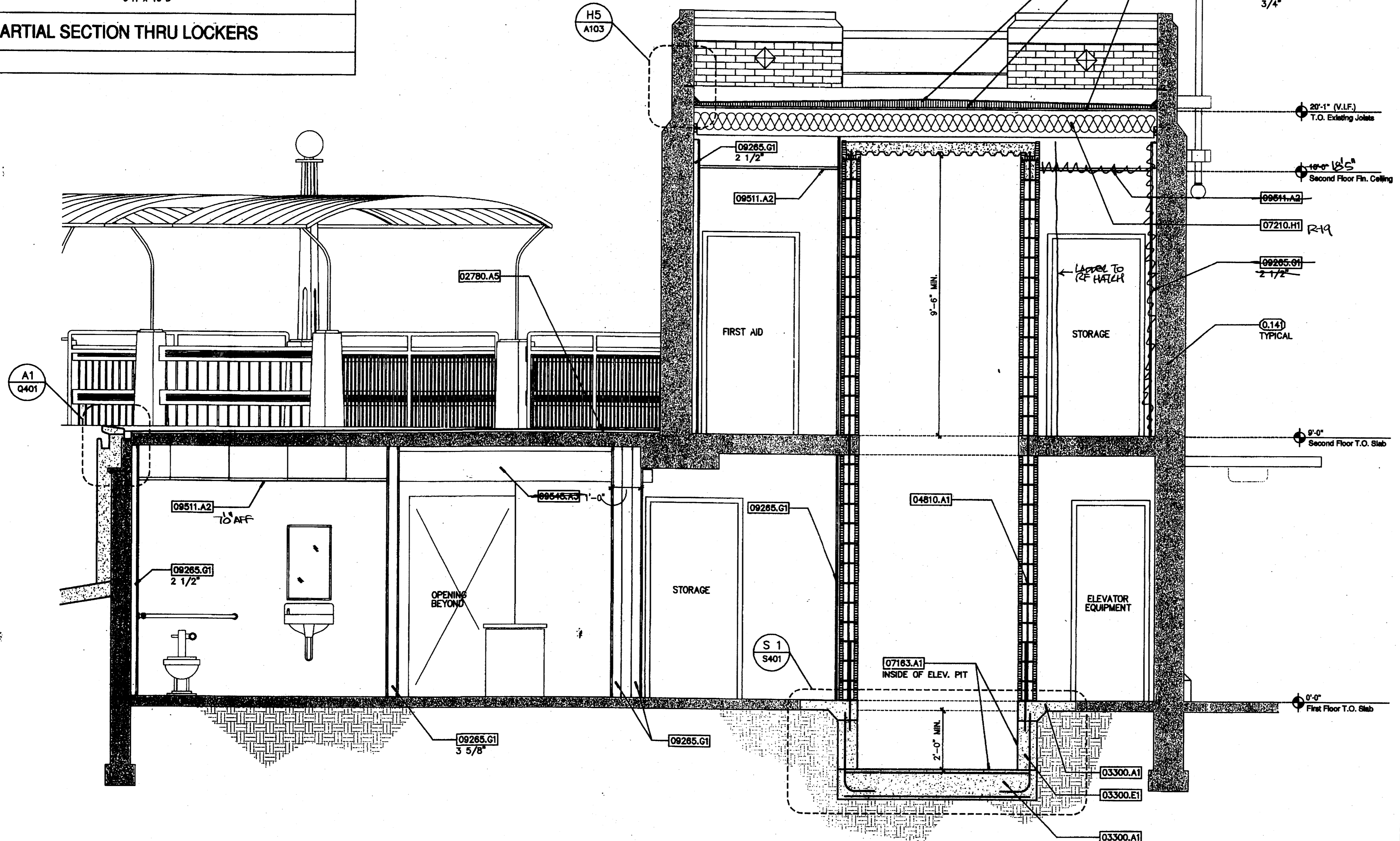


A302



H1 PARTIAL SECTION THRU LOCKERS

1/2" = 1'-0"



A1 PARTIAL BUILDING SECTION

1/2" = 1'-0"

KEYNOTES

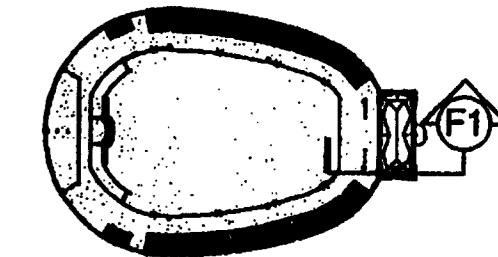
- 02780 UNIT PAVERS
 02780.A5 Concrete Pavers
- 03300 CAST-IN-PLACE CONCRETE
 03300.A1 Concrete Slab-on-Grade
 03300.E1 Concrete Foundation Wall
 03300.F1 Concrete Curb
- 04810 UNIT MASONRY ASSEMBLIES
 04810.A1 Concrete Masonry Unit
- 06105 MISCELLANEOUS CARPENTRY
 06105.E3 Plywood Roof Sheathing
- 07183 METAL OXIDE WATERPROOFING
 07183.A1 Metal Oxide Waterproofing
- 07210 BUILDING INSULATION
 07210.H1 Unfaced Mineral-Fiber Blanket Insulation R-19
- 07512 BUILT-UP COAL-TAR ROOFING
 07512.E2 Tapered Insulation
- 07552 SBS-MODIFIED BITUMINOUS MEMBRANE ROOFING
 07552.A1 Modified Bituminous Membrane Roofing
- 09285 GYPSUM BOARD SHAFT-WALL ASSEMBLIES
 09285.G1 Metal Stud
- 09511 ACOUSTICAL PANEL CEILING
 09511.A2 Suspended Gypsum Based Panel Ceiling System
- 09645 METAL CEILING
 09645.A3 End-Gap
- 09851 REBLENIT TILE FLOORING
 09851.A5 Vinyl Composition Tile
 09851.B1 Wall Base
- 10505 METAL LOCKERS
 10505.B3 Athletic Lockers, Double Tier
 10505.D4 Filler Panel

GENERAL NOTES

- 0.000 DEMOLITION
- 0.141 existing masonry to remain

ROWE ARCHITECTS INCORPORATED

100 Madison Street, Suite 200
 Tampa, Florida 33602.4704
 www.RoweArchitects.com
 Fax: 813.221.9154
 813.221.8771
 AAC002172



CUSCADEN POOL RENOVATION

CITY OF TAMPA
 306 East Jackson Street
 Tampa, Florida 33602

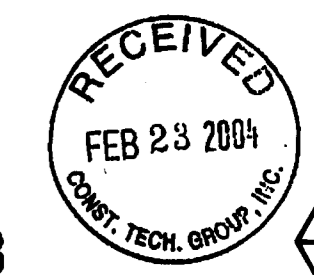
Project No. 0202.00

Distribution Date
 BID DOCUMENTS 02.02.04

SECTIONS

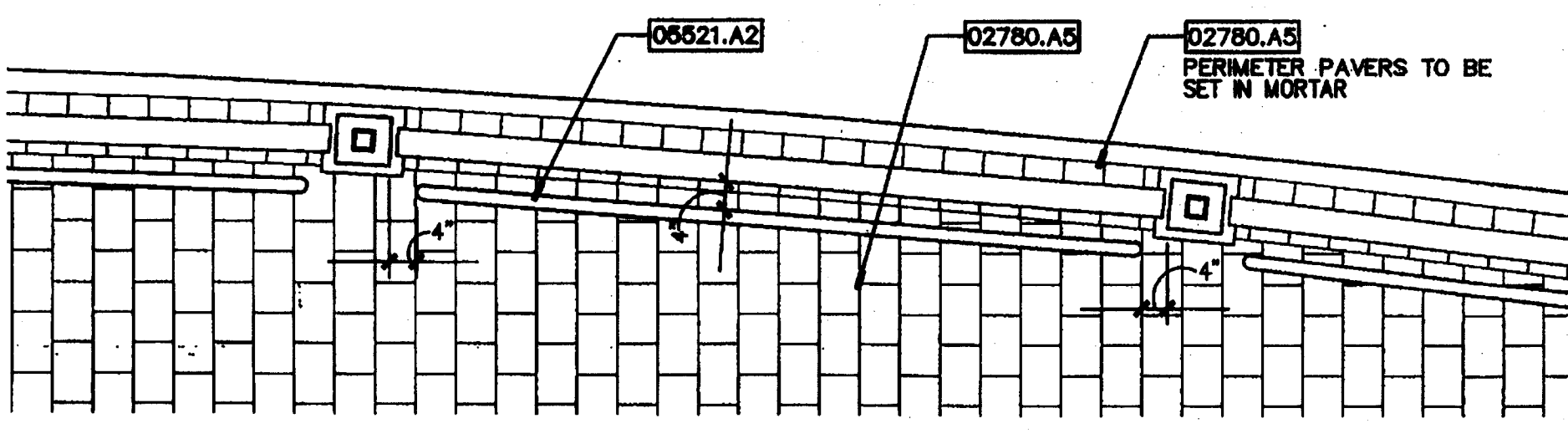
RECORD DRAWING

DATE 8/26/05



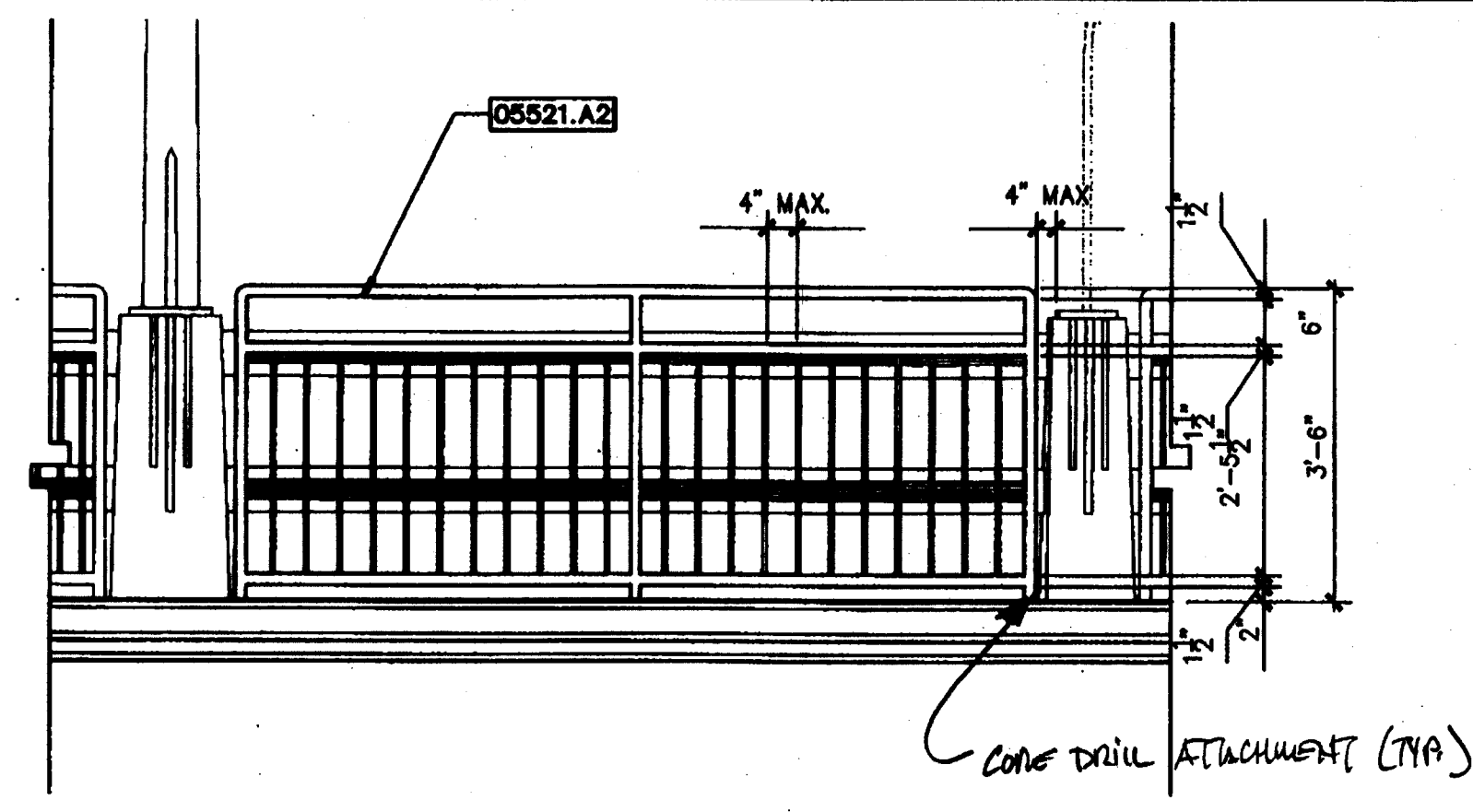
A303

A14 LEGEND / NOTES



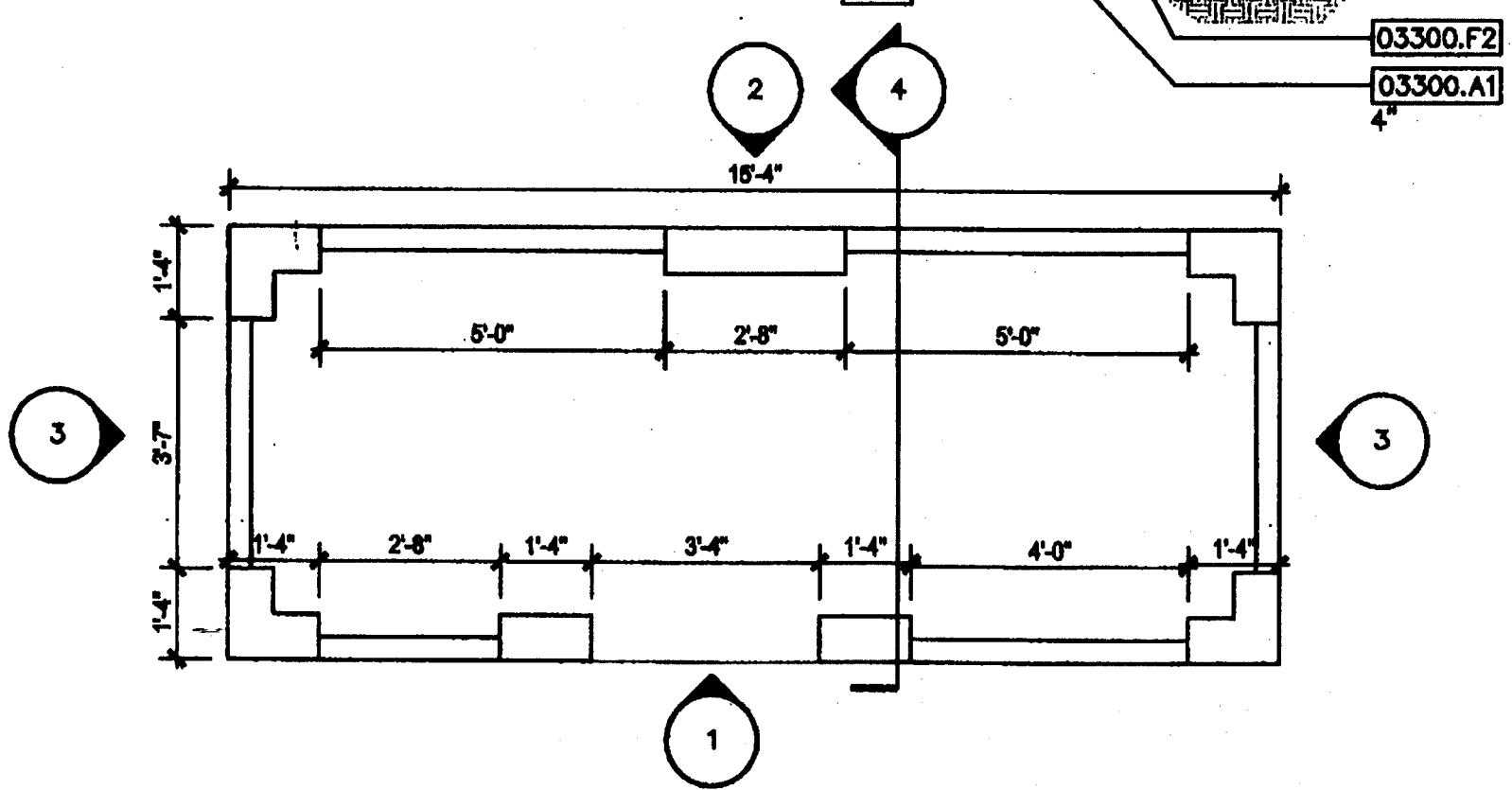
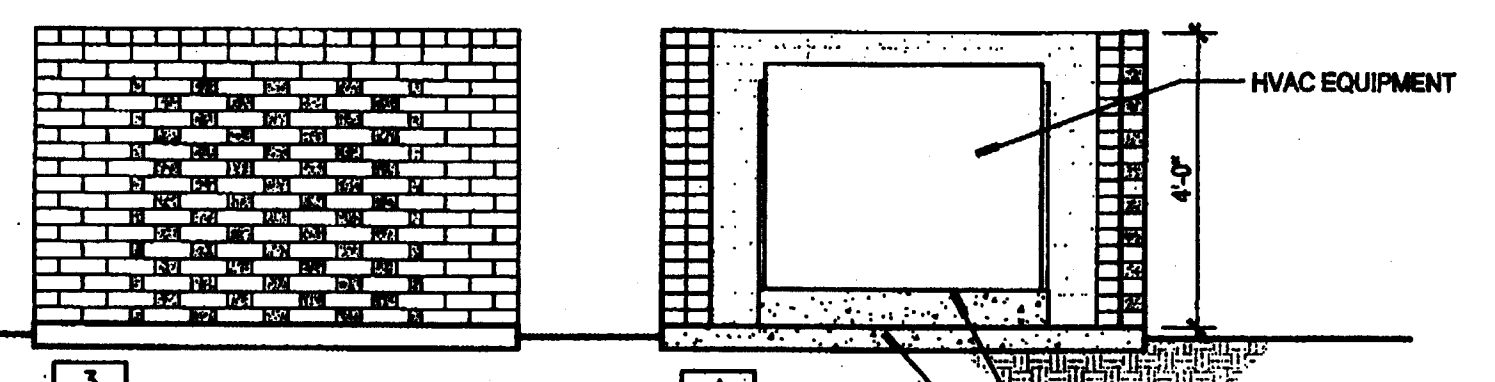
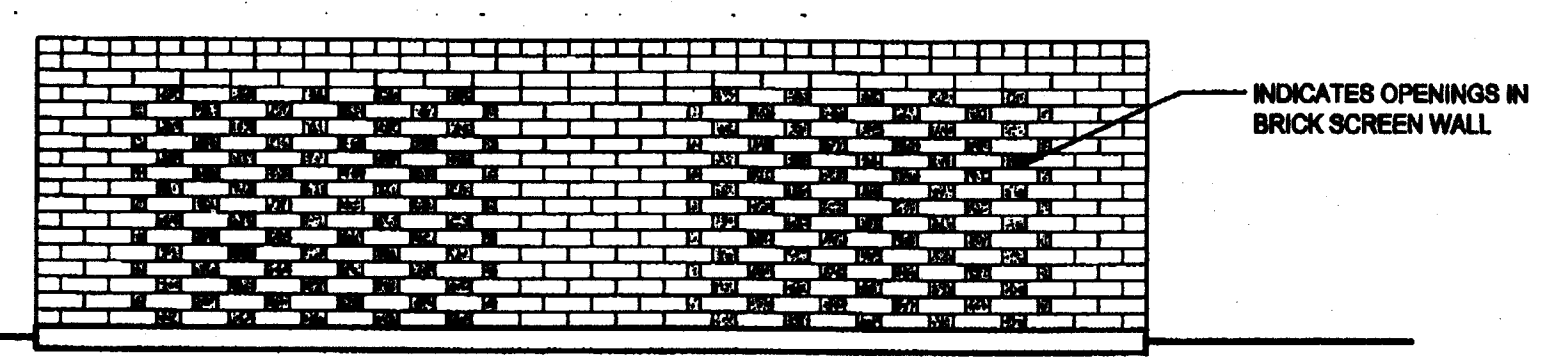
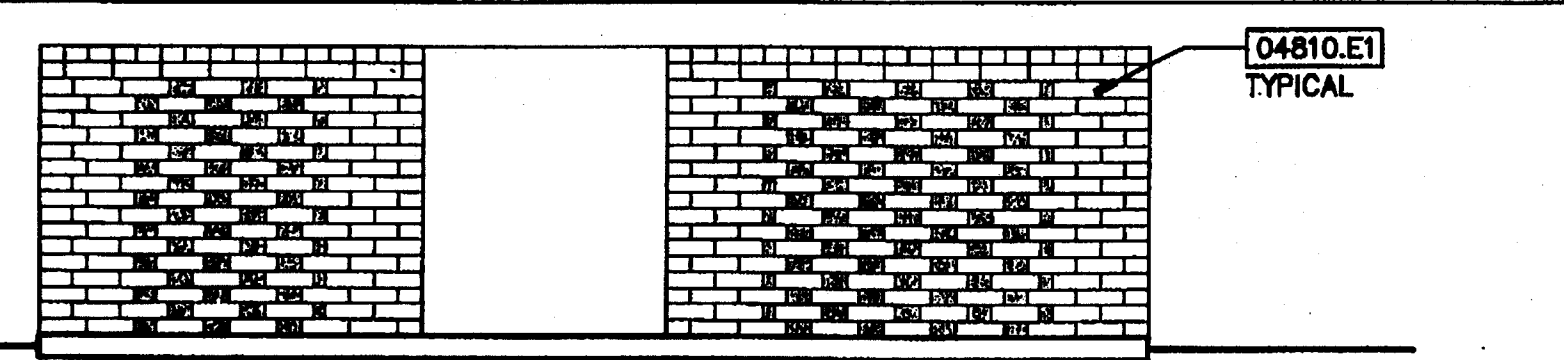
K1 INTERIOR POOL DECK RAILING PLAN

1/2" = 1'-0" TYPICAL



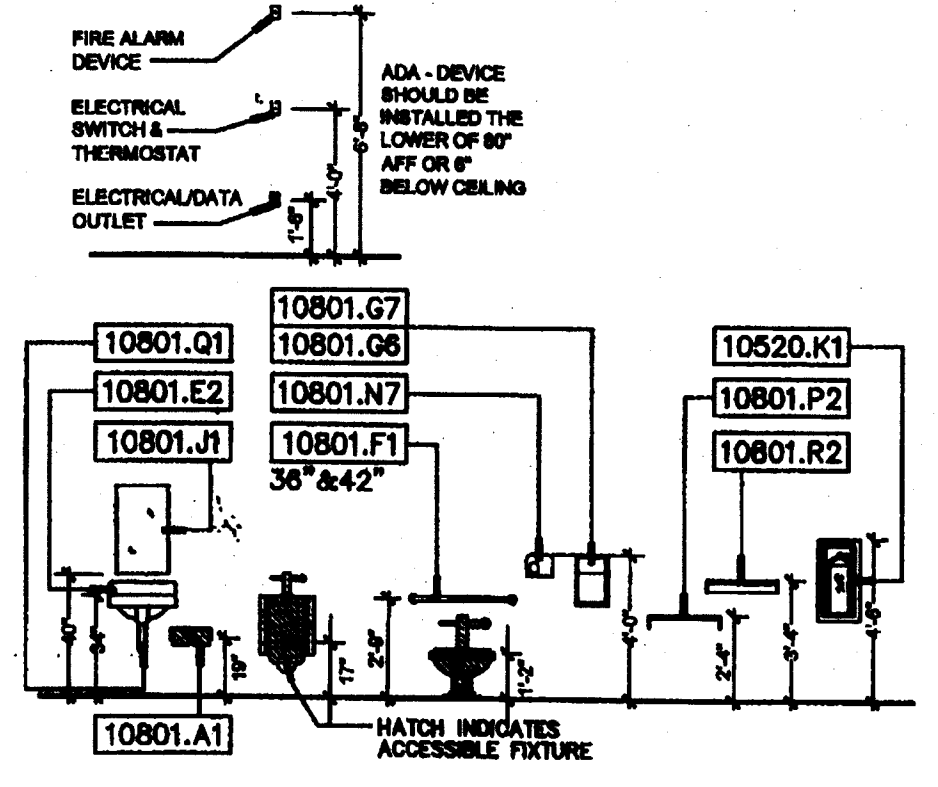
G1 INTERIOR POOL DECK RAILING ELEVATION

1/2" = 1'-0" TYPICAL



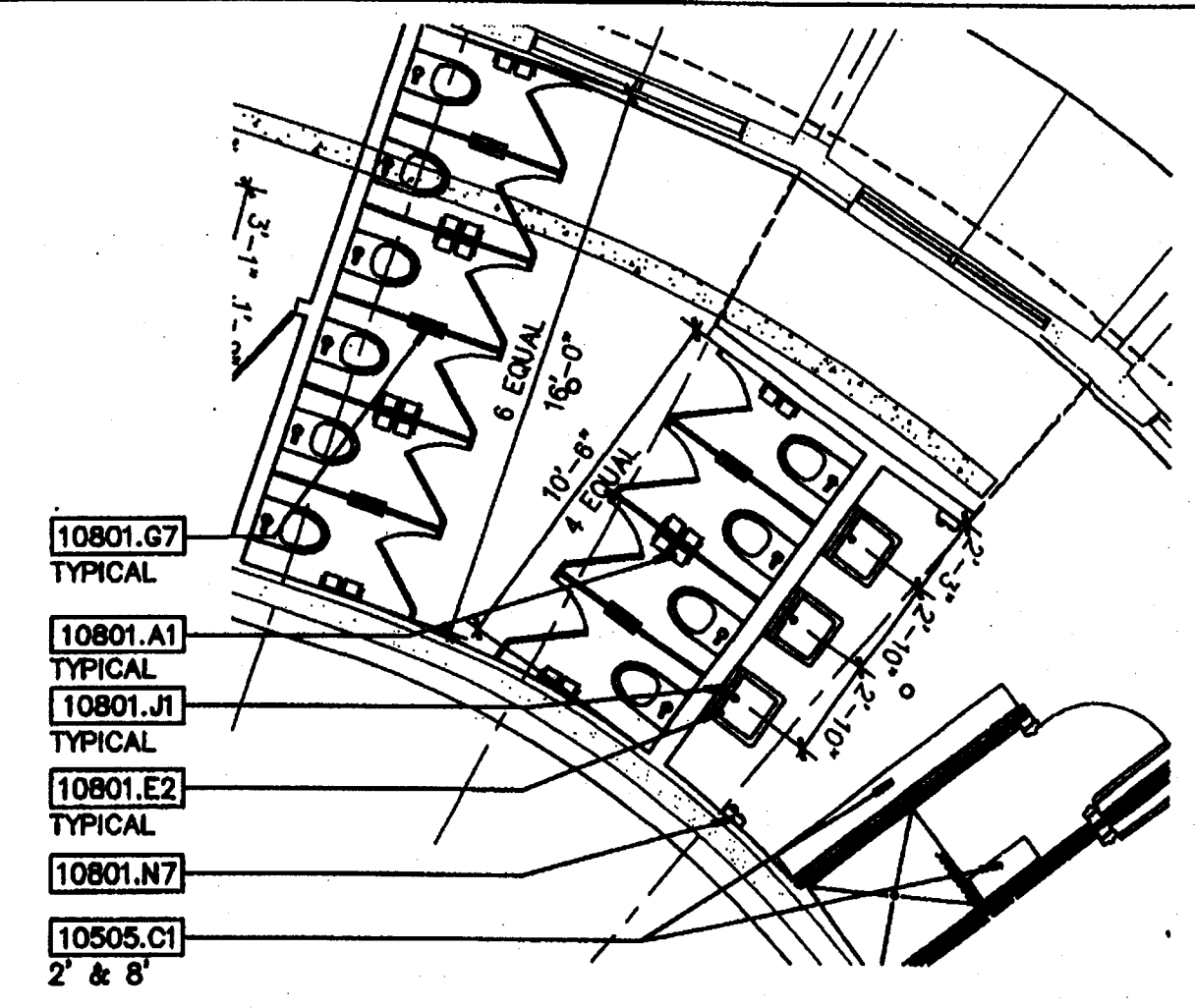
A1 ENLARGED EQUIPMENT SCREEN

3/8" = 1'-0"



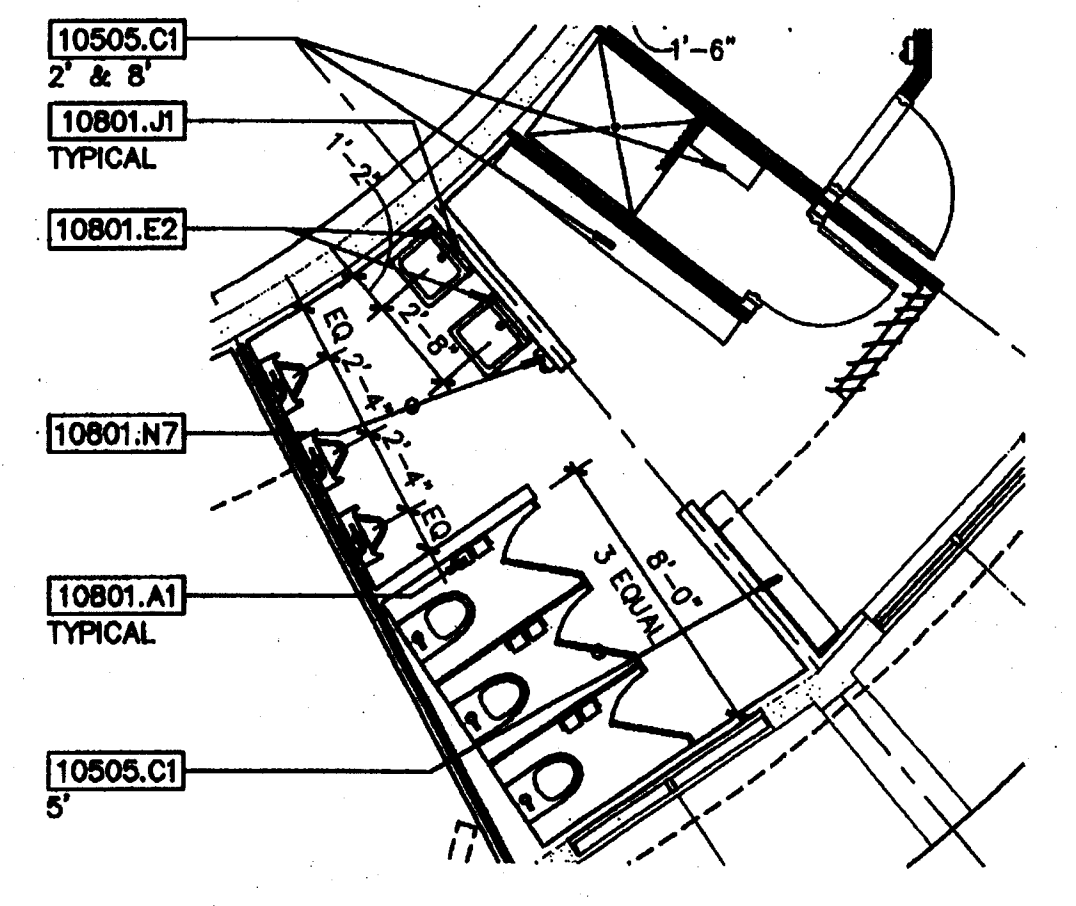
H10 TYPICAL MOUNTING HEIGHTS

3/16" = 1'-0"



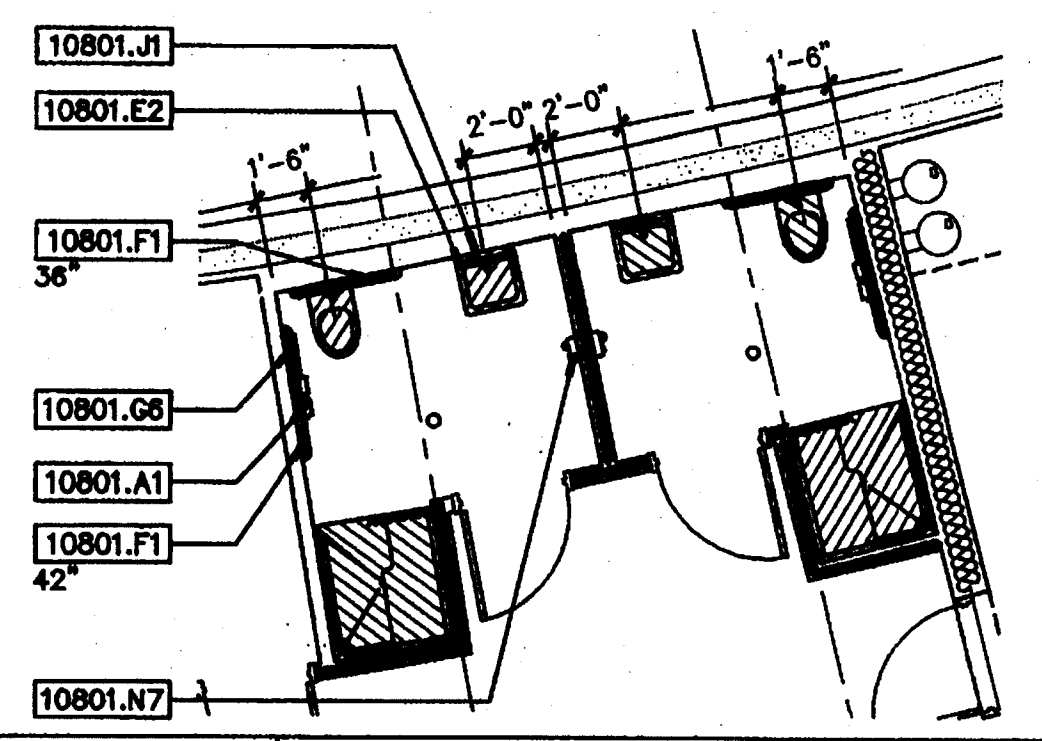
E10 ENLARGED TOILET ROOM 162

3/16" = 1'-0"



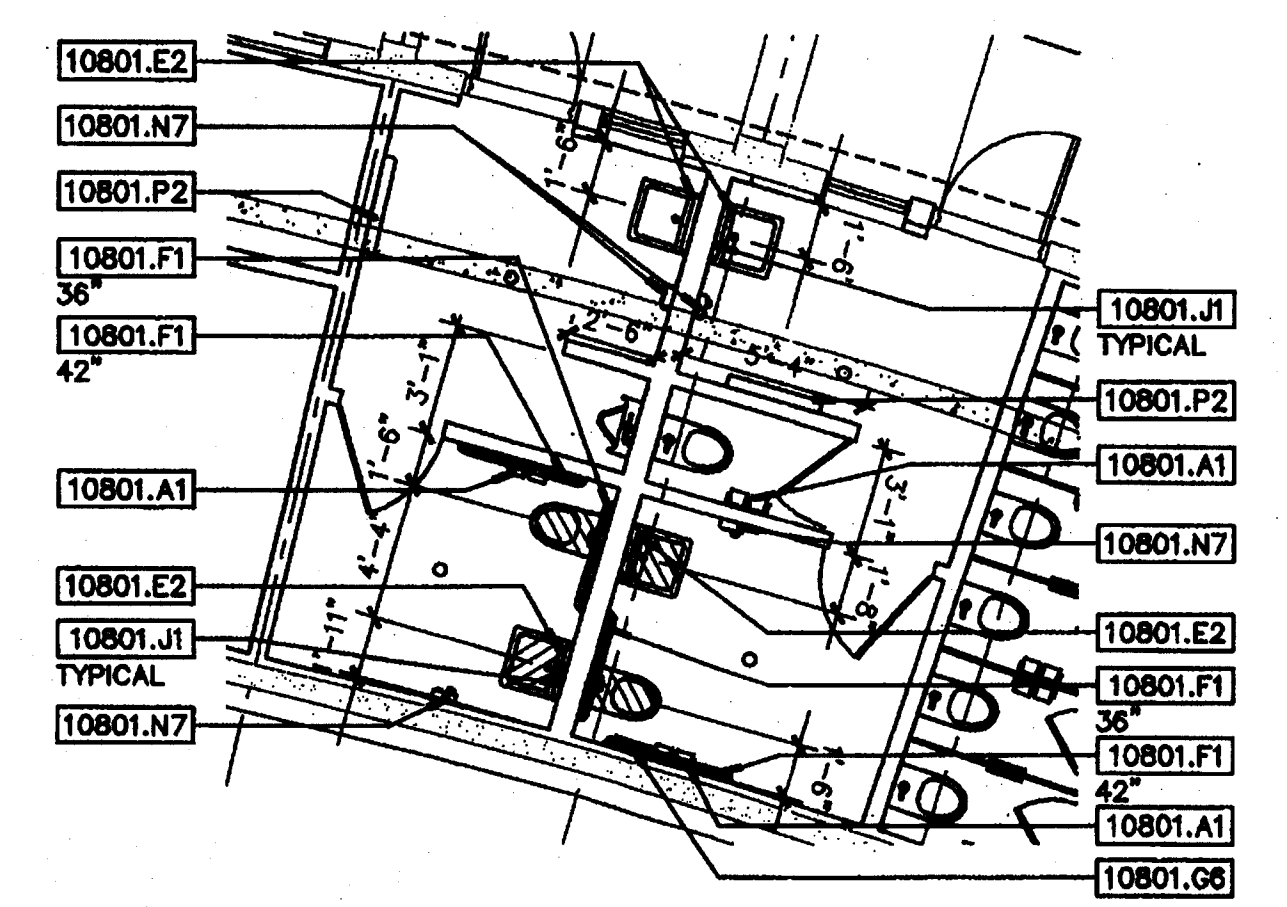
A10 ENLARGED TOILET ROOM 110

3/16" = 1'-0"



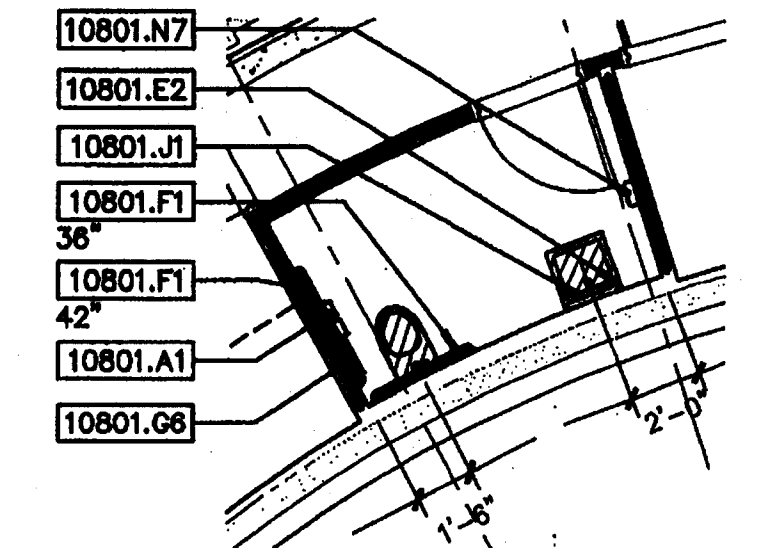
J6 ENLARGED TOILET ROOM PLAN 113 & 114

3/16" = 1'-0" ACCESSIBLE



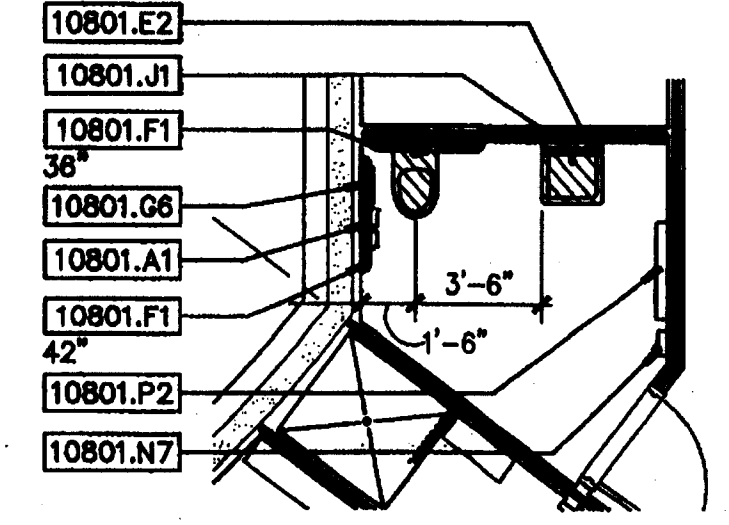
F6 ENLARGED TOILET ROOM PLAN 160 & 161

3/16" = 1'-0" ACCESSIBLE



D6 ENLARGED TOILET ROOM 154

3/16" = 1'-0" (STAFF TOILET 122 SIM.) ACCESSIBLE



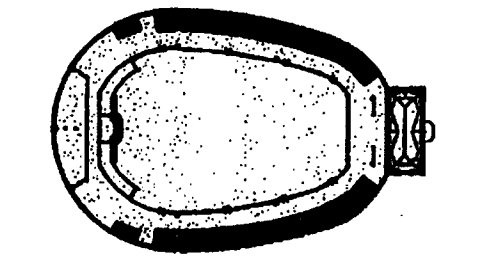
A6 ENLARGED TOILET ROOM 102

3/16" = 1'-0" ACCESSIBLE

- KEYNOTES**
- 02780 UNIT PAVERS
 - 02780.A5 Concrete Pavers
 - 03300 CAST-IN-PLACE CONCRETE
 - 03300.A1 Concrete Slab-on-Grade
 - 03300.F2 Concrete Equipment Base
 - 04810 UNIT MASONRY ASSEMBLIES
 - 04810.E1 Face Brick
 - 05521 PIPE AND TUBE RAILINGS
 - 05521.A2 Aluminum Tube Railing
 - 10805 METAL LOCKERS
 - 10505.C1 Locker benches.
 - 10820 FIRE-PROTECTION SPECIALTIES
 - 10820.K1 Fire Extinguisher Cabinet
 - 10801 TOILET AND BATH ACCESSORIES
 - 10801.A1 Toilet Tissue (Roll) Dispenser
 - 10801.E2 Liquid-Soap Dispenser
 - 10801.F1 Grab Bar
 - 10801.G6 Sanitary Napkin Disposal Unit, Recessed
 - 10801.G7 Sanitary Napkin Disposal Unit, Partition-Mounted, Dual-Access
 - 10801.J1 Mirror Unit
 - 10801.N7 Warm-Air Dryer, Surface mounted, Electronic-sensor Operation
 - 10801.P2 Diaper-Changing Station, surface mounted
 - 10801.Q1 Underlatory Guard
 - 10801.R2 Mop and Broom Holder with Utility Shelf

F14 KEYNOTES

ROME ARCHITECTS
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100 Madison Street, Suite 200
Tampa, Florida 33602-4704
www.RomeArchitects.com
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813.221.8771
AAC002172

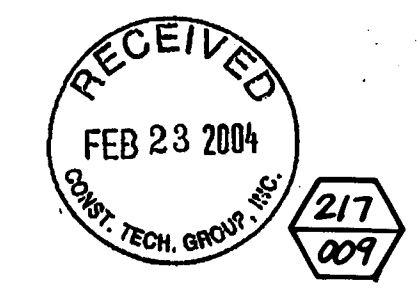


CUSCADEN POOL RENOVATION

CITY OF TAMPA
305 East Jackson Street
Tampa, Florida 33602

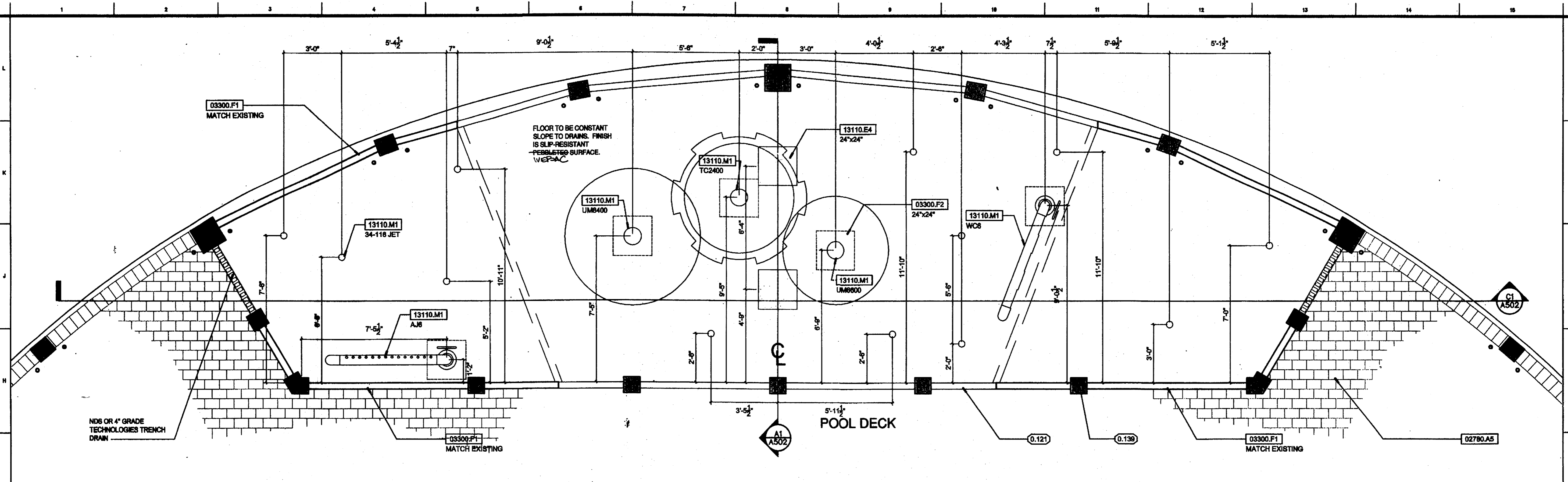
Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

ENLARGED PLANS
RECORD DWG.
DATE 8/26/05



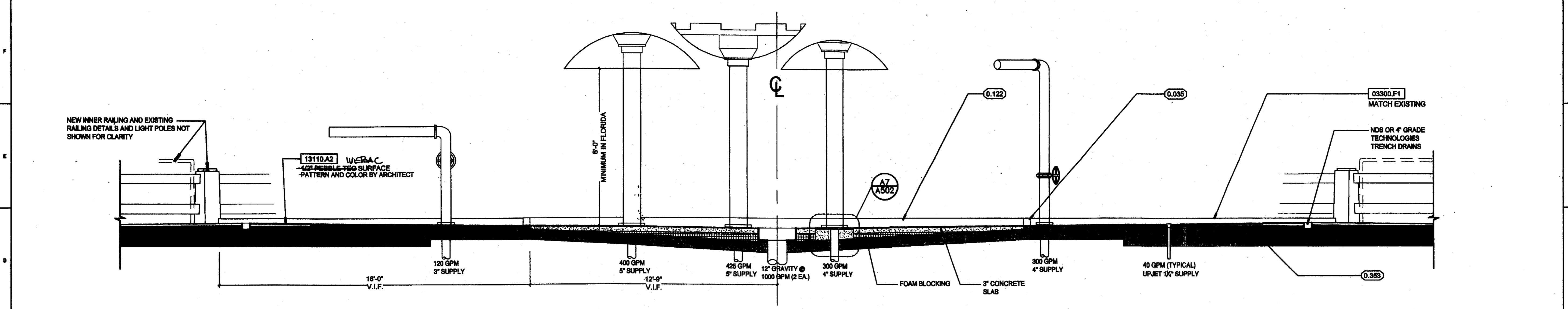
A501

2/7 009



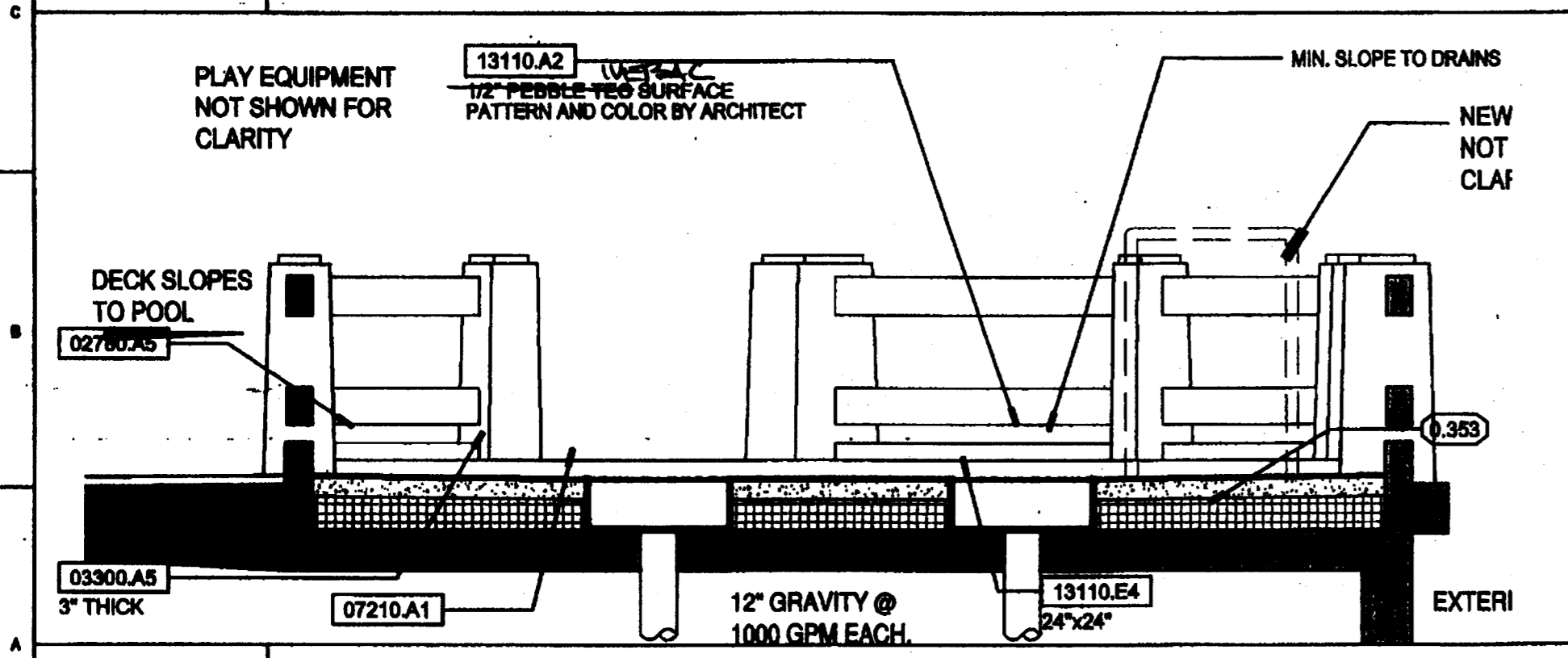
G1 ENLARGED SPLASH PAD PLAN

3/8" = 1'-0"



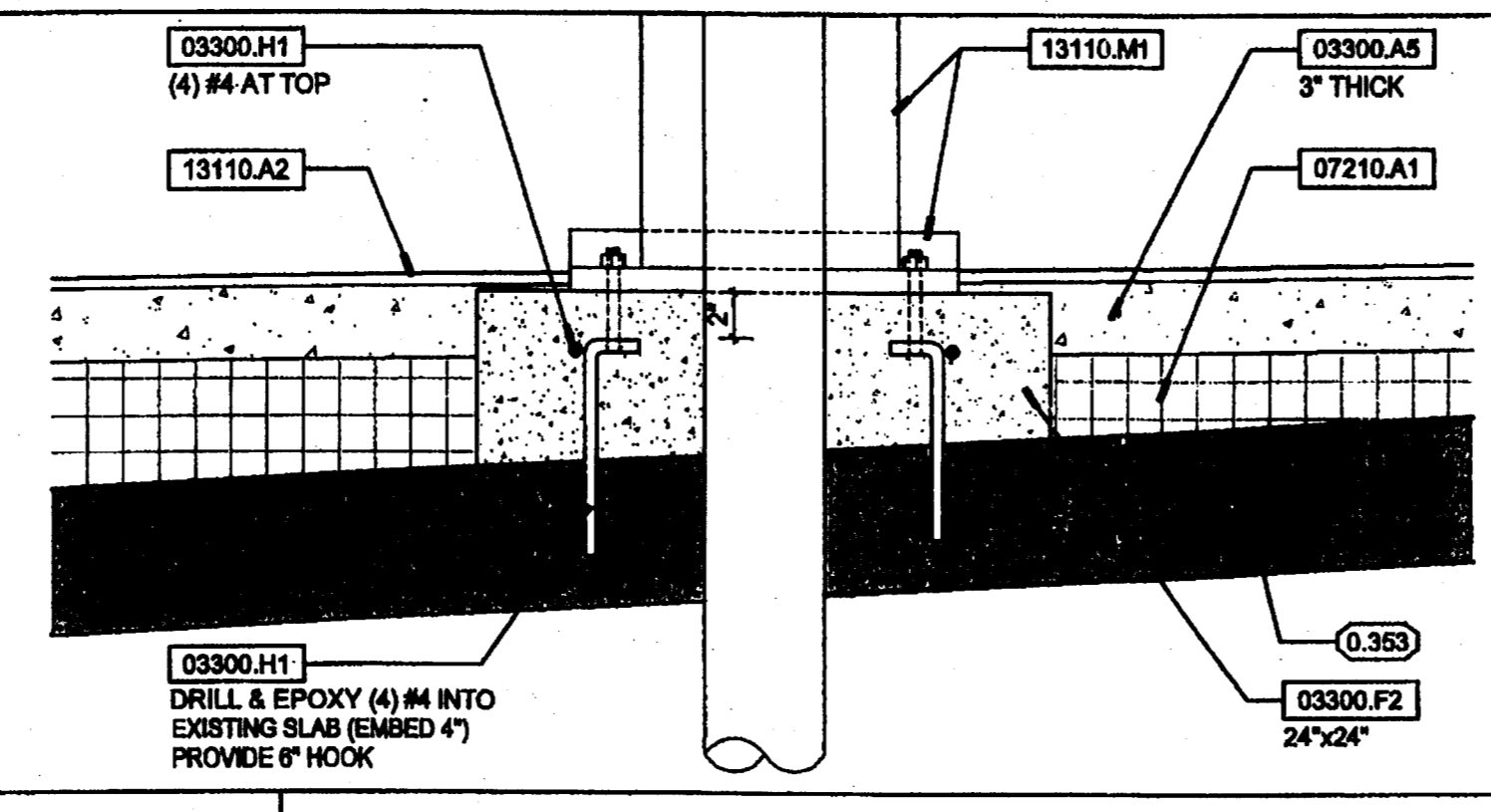
C1 SPLASH PAD SECTION

3/8" = 1'-0"



A1 SPLASH PAD SECTION

3/8" = 1'-0"



A7 EQUIPMENT PAD DETAIL

1 1/2" = 1'-0"

EQUIPMENT LIST & DEMANDS

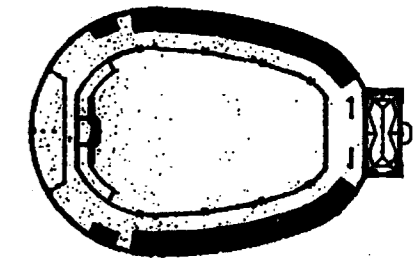
1 EA. TC2400	TEECUP	425 GPM
1 EA. UM8600	UMBRELLA (SMALL)	300 GPM
1 EA. UM8400	UMBRELLA	400 GPM
1 EA. WC6	WATER CURTAIN	300 GPM
1 EA. AJ6	ARCH JET	120 GPM
12 EA. 34-118	RECREONICS JET	40 GPM (8 ONLY SIMULTANEOUSLY)
TOTAL WATER DEMAND		1865 GPM
7% EXCESS CAPACITY INCLUDED		2000 GALS AVAILABLE SUPPLY

KEYNOTES

02780	UNIT PAVERS
02780.A5	Concrete Pavers
03300	CAST-IN-PLACE CONCRETE
03300.A5	Concrete Slab
03300.F1	Concrete Curb
03300.F2	Concrete Equipment Base
03300.H1	Reinforcing Bars
07210	BUILDING INSULATION
07210.A1	Extruded Polystyrene Board Insulation:
13110	SWIMMING POOLS
13110.A2	Pool Interior Finish
13110.E4	Main Drain Box
13110.M1	Splash Pad Water Feature
GENERAL NOTES	
0.000	DEMOLITION
0.035	remove existing curb to slab level
0.121	existing curbing, sandblast and epoxy coat, paint to match new top of existing concrete curb
0.122	existing balusters to remain
0.139	existing concrete structure to remain
0.353	existing concrete structure to remain

A14 KEYNOTES

NO SCALE



CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

Distribution	Date
BID DOCUMENTS	02.02.04

ENLARGED SPLASH PAD PLAN, SECTIONS, AND DETAILS

RECORD DWG.
DATE 8/26/05

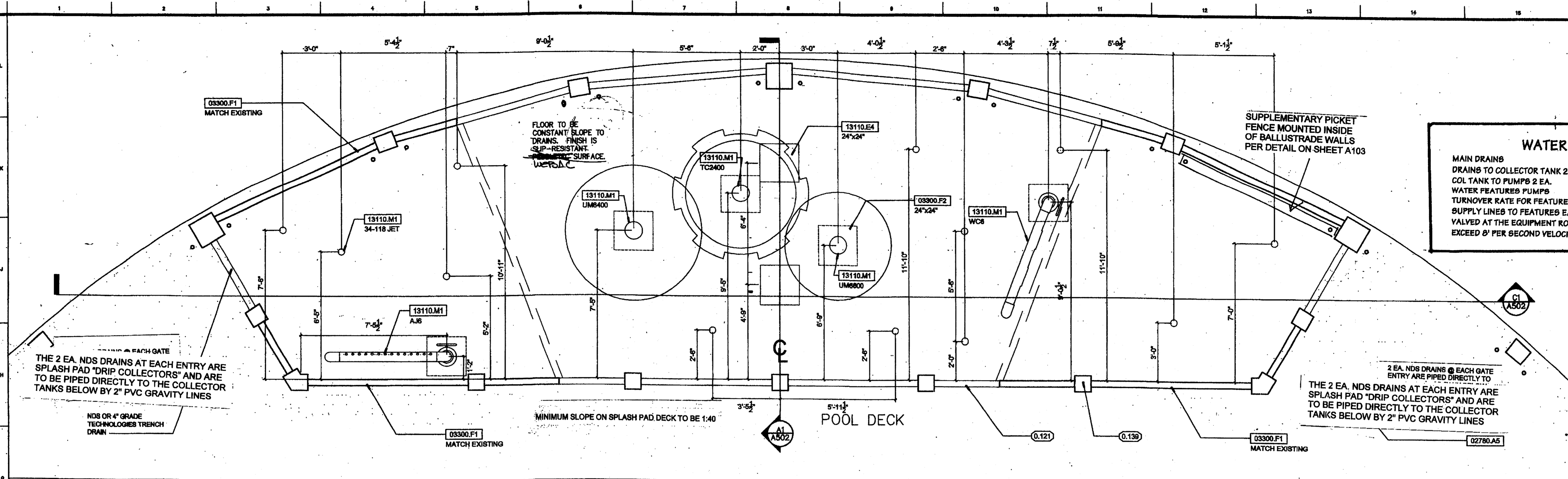


WATER FEATURES

MAIN DRAIN	2 EA 24" X 24" AND
DRAINS TO COLLECTOR TANK 2 EA.	12"
COL TANK TO PUMPS 2 EA.	10"
WATER FEATURES PUMPS	2 EA. 15 HP
TURNOVER RATE FOR FEATURES	1065 GPM
SUPPLY LINES TO FEATURES EACH FEATURE INDIVIDUALLY VALVED AT THE EQUIPMENT ROOM. SUPPLY PIPING NOT TO EXCEED 8' PER SECOND VELOCITY.	

Silcox Engineering, Inc. Civil Engineering
ERNEST S. SILCOX P.E. #0006161
Post Office Box 8574
Tampa, FL 33674 813/920-9192

11-4-04
08.05.04

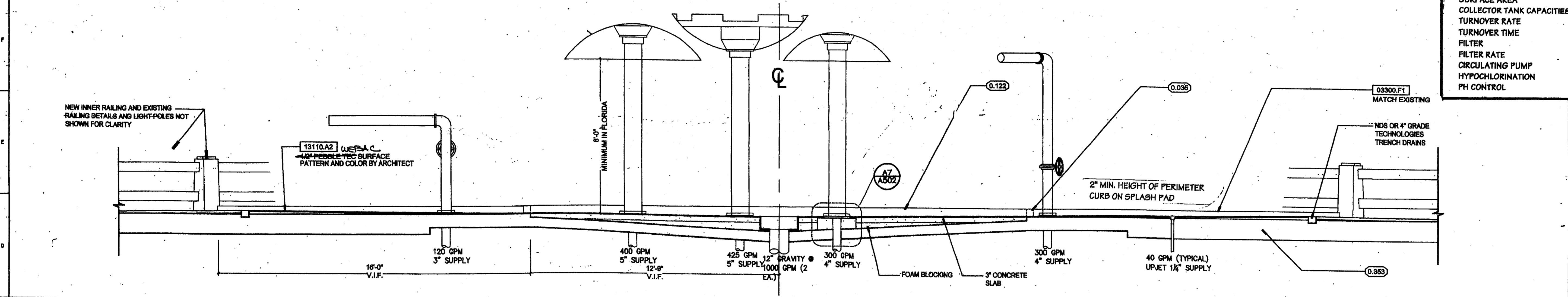


G1 ENLARGED SPLASH PAD PLAN

3/8" = 1'-0"

SPLASH PAD DATA

PERIMETER SURFACE AREA	PROX. 137
COLLECTOR TANK CAPACITIES 2 @ 1000	PROX. 705 SQ. FT. 2,000 GALS.
TURNOVER RATE	67 GPM
TURNOVER TIME	30 MIN.
FILTER	30" HI-RATE SAND
FILTER RATE	13.7 GPM PLR SQ.FT. FILT. AREA
CIRCULATING PUMP	2 HP
HYPOCHLORINATION	STRANTRON SYSTEM 5
PH CONTROL	CO ₂



C1 SPLASH PAD SECTION

3/8" = 1'-0"

EQUIPMENT LIST & DEMANDS

1 EA. TC2400	TEECUP	425 GPM
1 EA. UMB8000	UMBRELLA (SMALL)	300 GPM
1 EA. UMB400	UMBRELLA	400 GPM
1 EA. WC6	WATER CURTAIN	300 GPM
1 EA. AJ6	ARCH JET	120 GPM
12 EA. 34-118	RECREONICS JET	40 GPM (8 ONLY SIMULTANEOUSLY)

TOTAL WATER DEMAND 1865 GPM
7% EXCESS CAPACITY INCLUDED 2000 GALS AVAILABLE SUPPLY

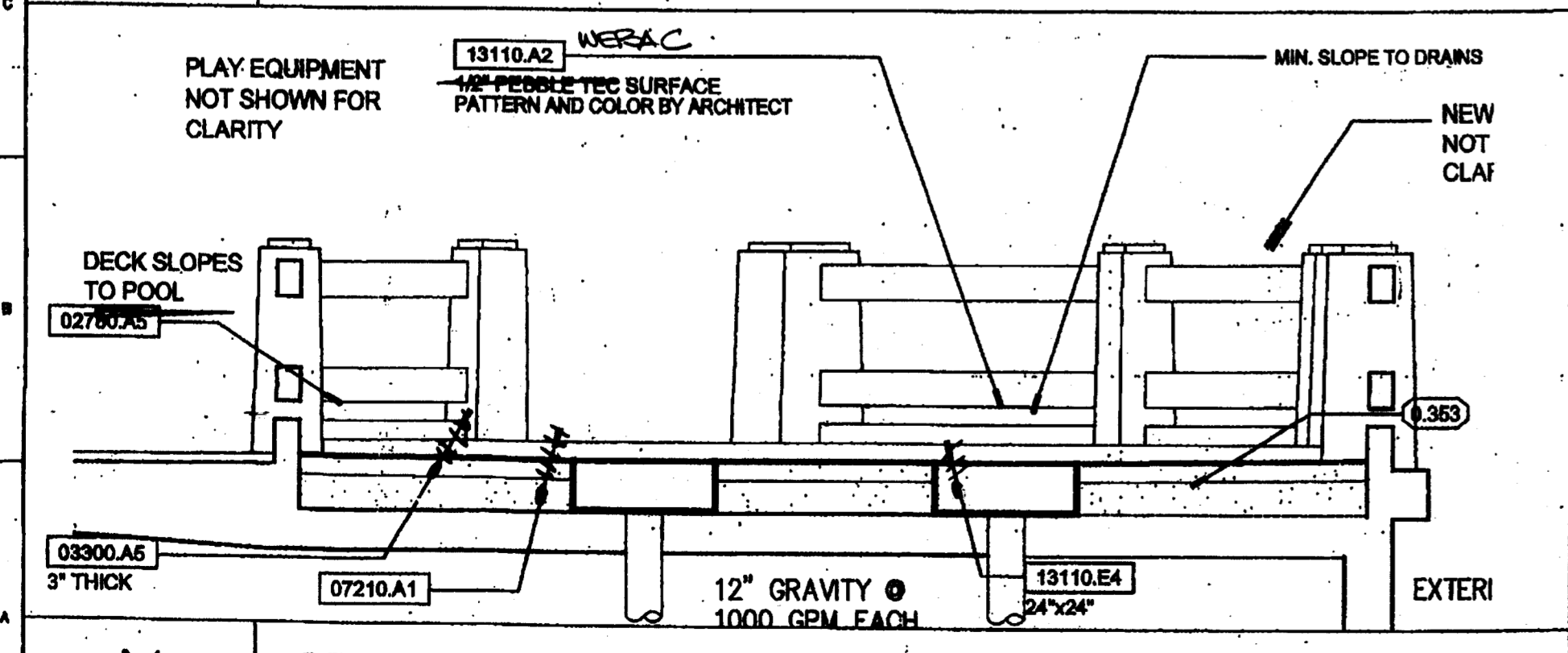
SPLASH PAD LAYOUT AND SECTIONS SHOWING WATER FEATURES

KEYNOTES

02780.A5	Concrete Pavers
03300	CAST-IN-PLACE CONCRETE
03300.A5	Concrete Slab
03300.F1	Concrete Curb
03300.F2	Concrete Equipment Base
07210	Reinforcing Bars
07210.A1	BUILDING INSULATION
13110	Extruded-Polyethylene Board Insulation
13110.E2	SWIMMING POOLS
13110.E4	Pool Interior Finish
13110.M1	Splash Pad Water Feature

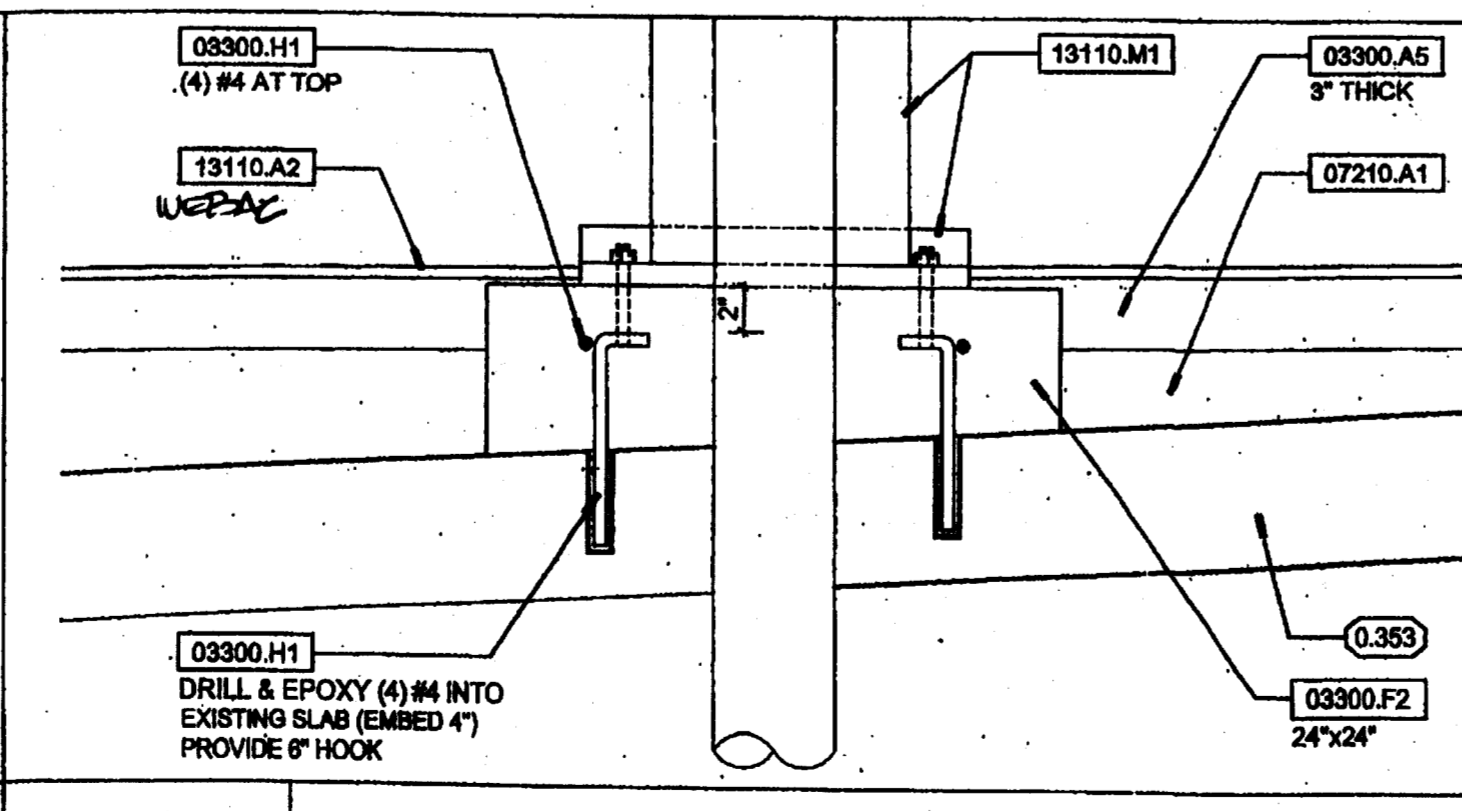
GENERAL NOTES

- DEMOLITION
- remove existing curb to slab level
- existing curbing, sandblast and epoxy coat, paint to match new top of existing concrete curb
- existing ballustrade to remain
- existing concrete structure to remain



A1 SPLASH PAD SECTION

3/8" = 1'-0"



A7 EQUIPMENT PAD DETAIL

1 1/2" = 1'-0"

A14 KEYNOTES

NO SCALE

CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.0202.00

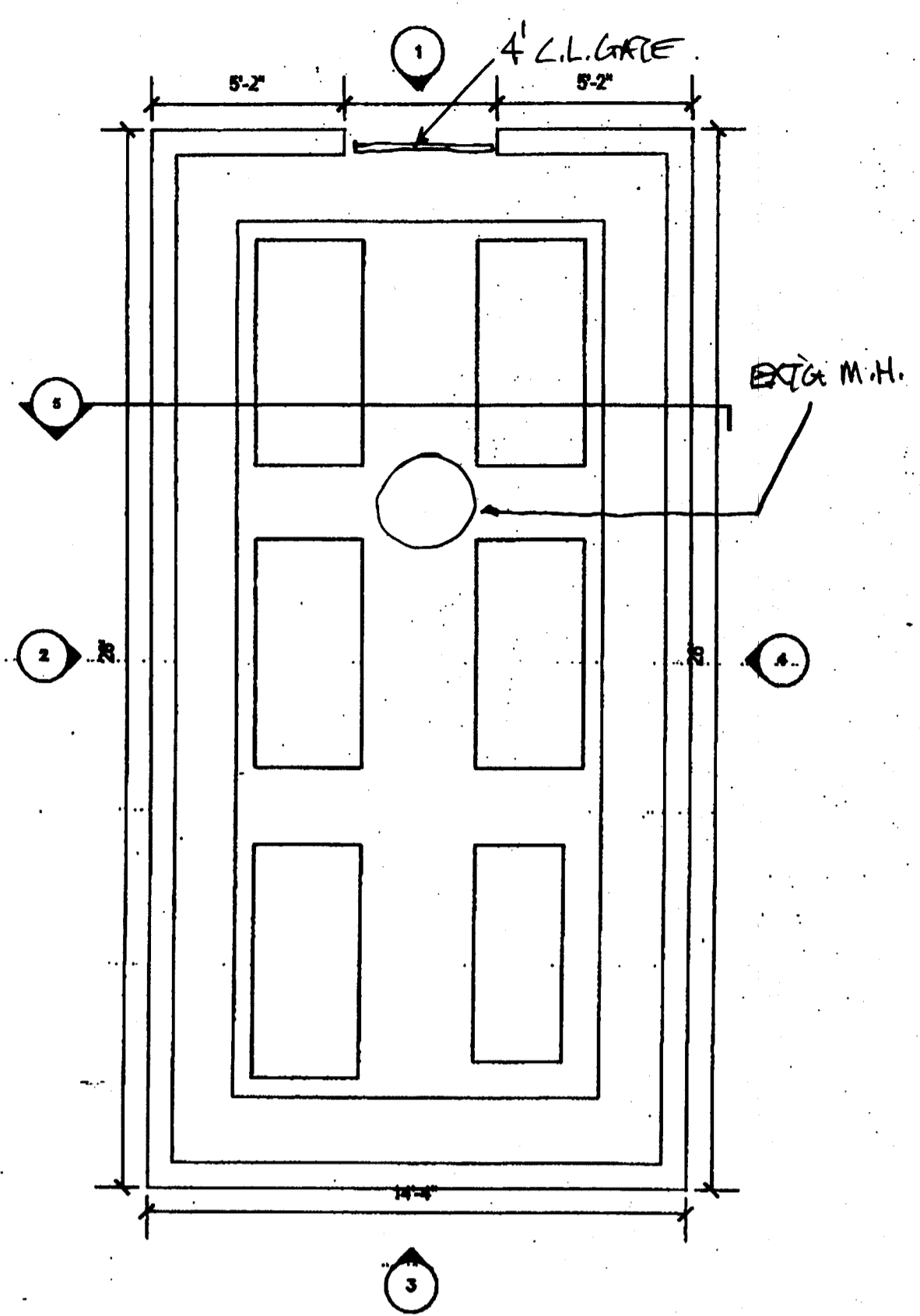
Distribution	Date
BID DOCUMENTS	02.02.04
DOH PERMIT SUBMITTAL	07.12.04

ENLARGED SPLASH PAD PLAN, SECTIONS, AND DETAILS

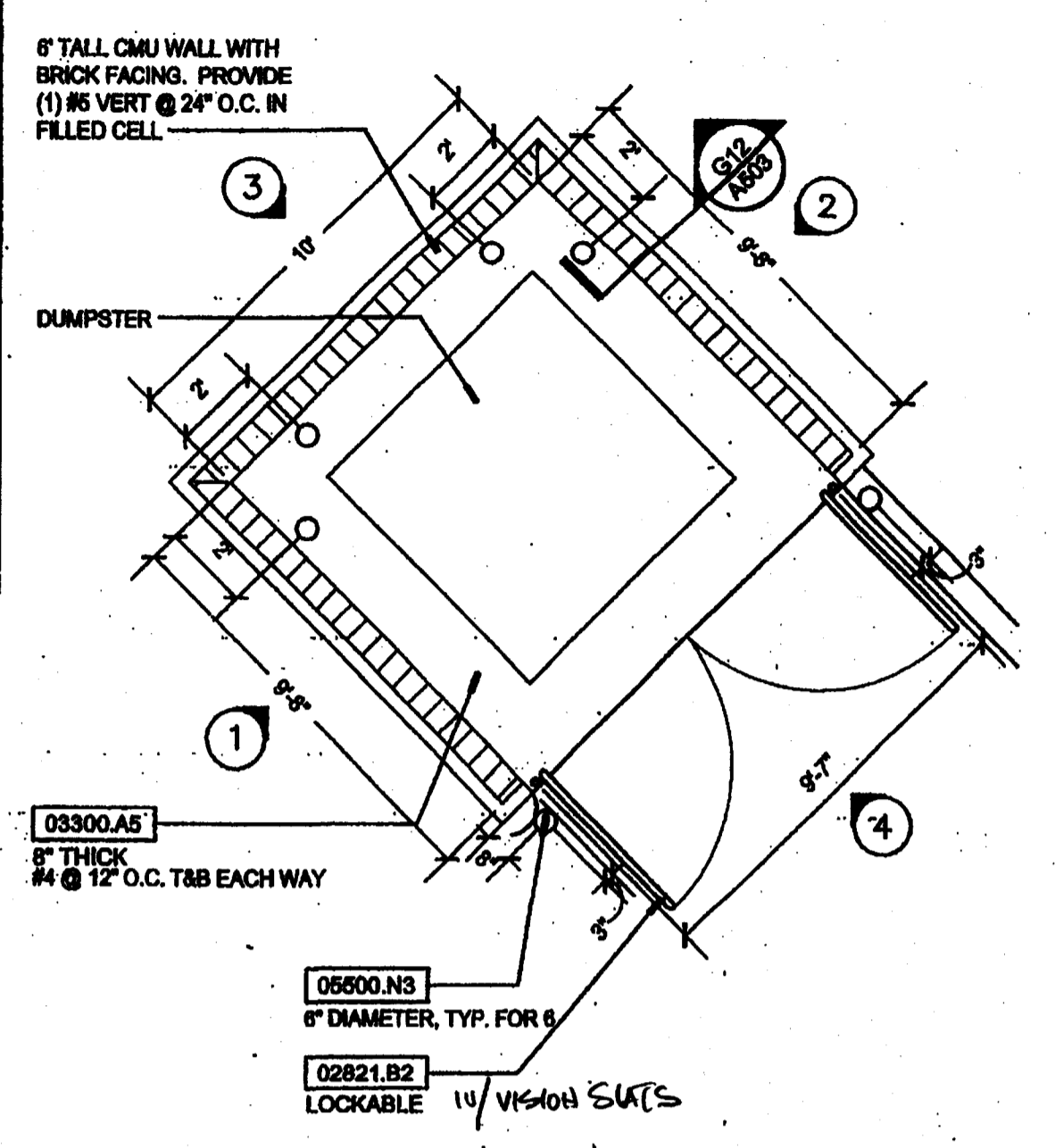
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DATE 8/22/05

A502

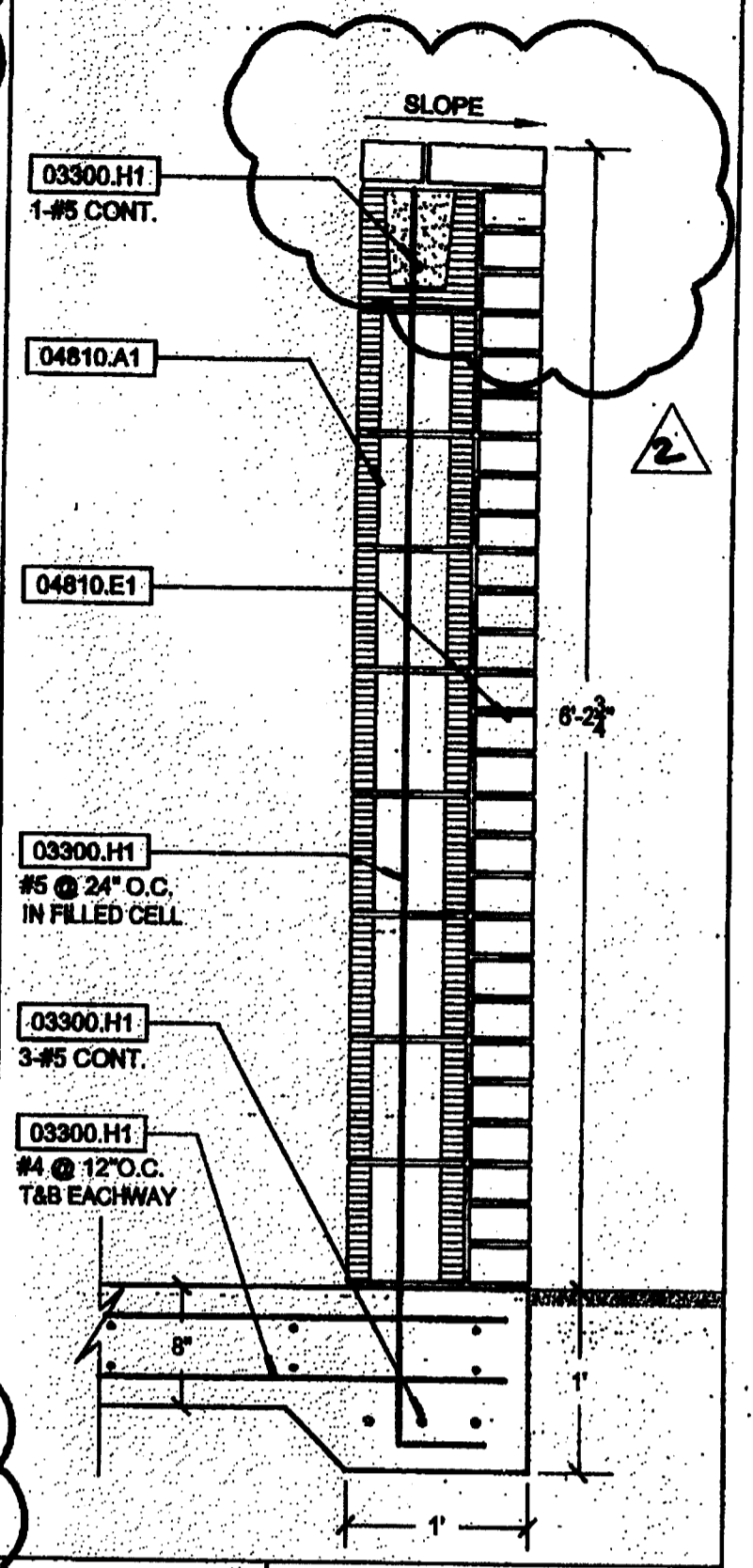
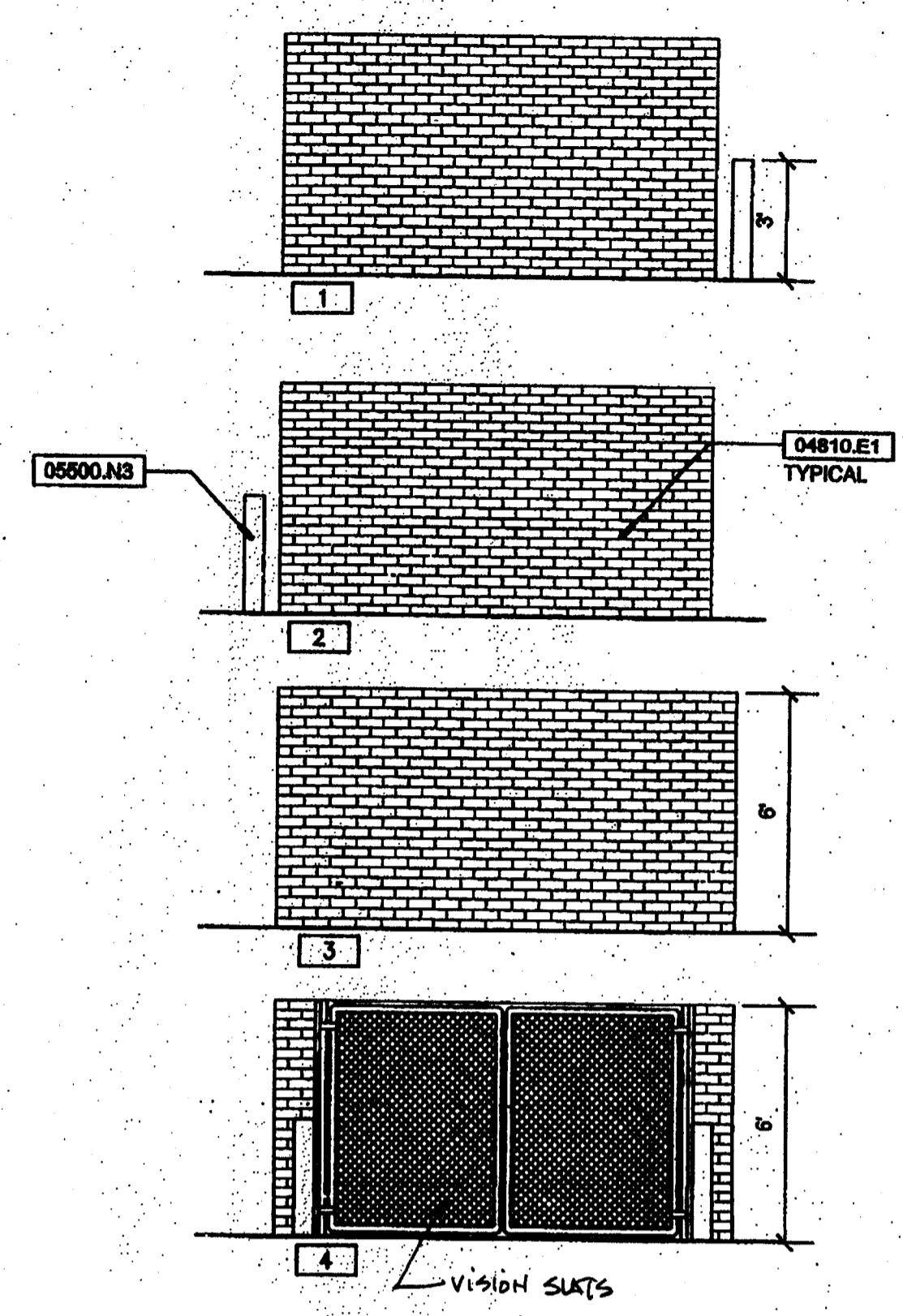
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009



G1 HEATER FLOOR PLAN
1/4" = 1'-0"



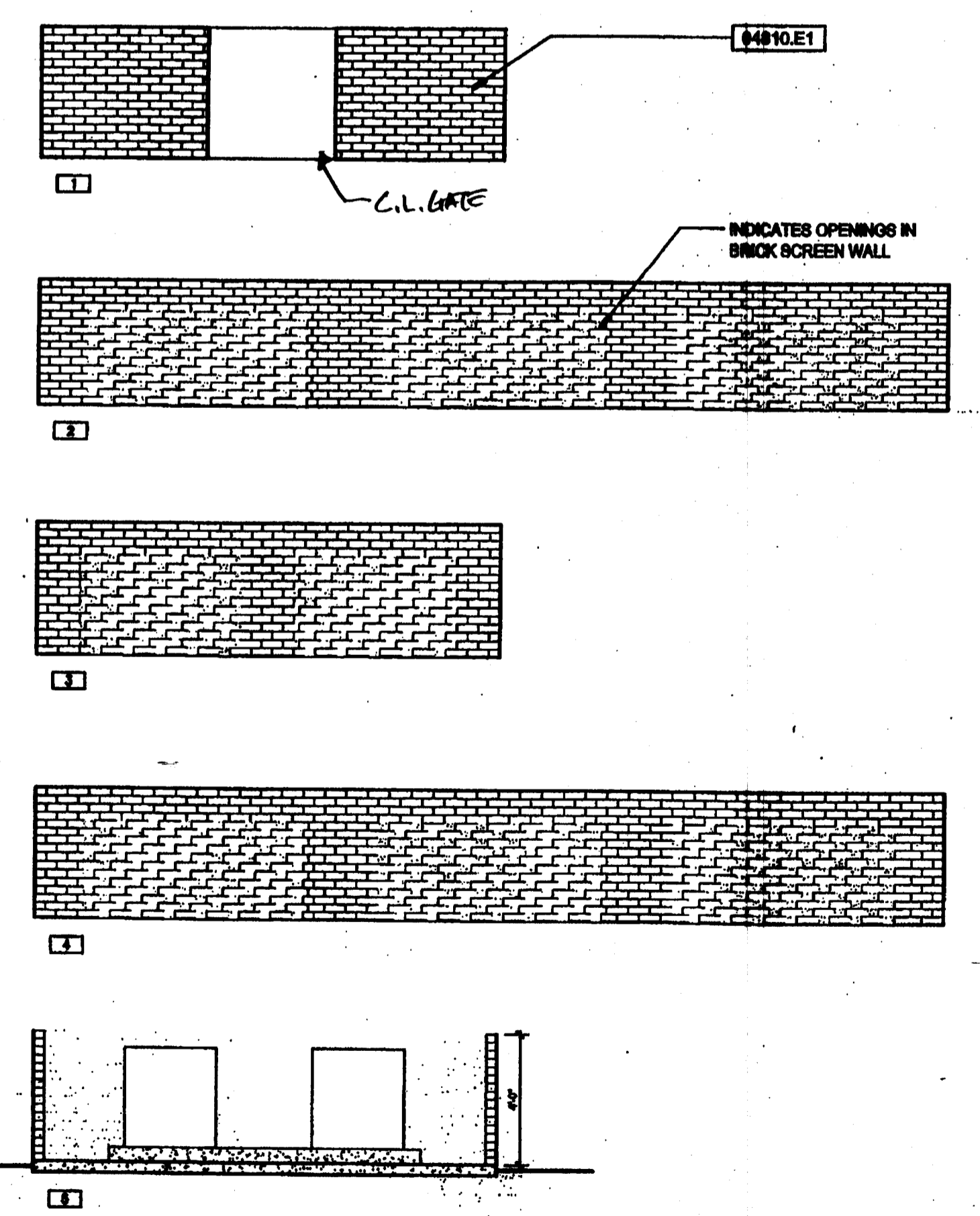
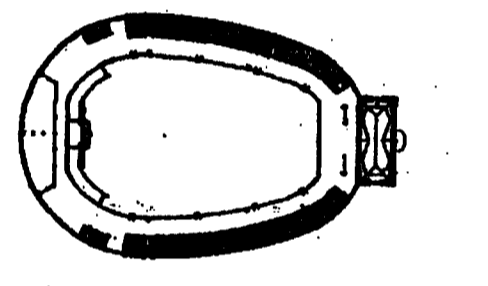
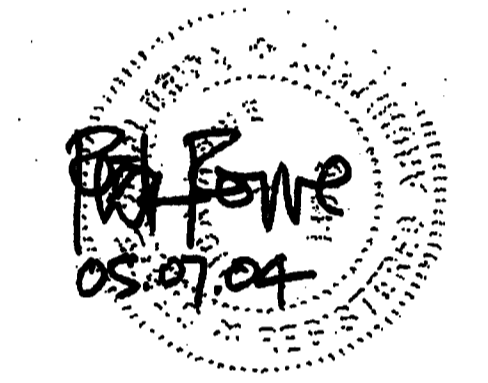
G4 DUMPSTER ENCLOSURE DETAILS
1/4" = 1'-0"



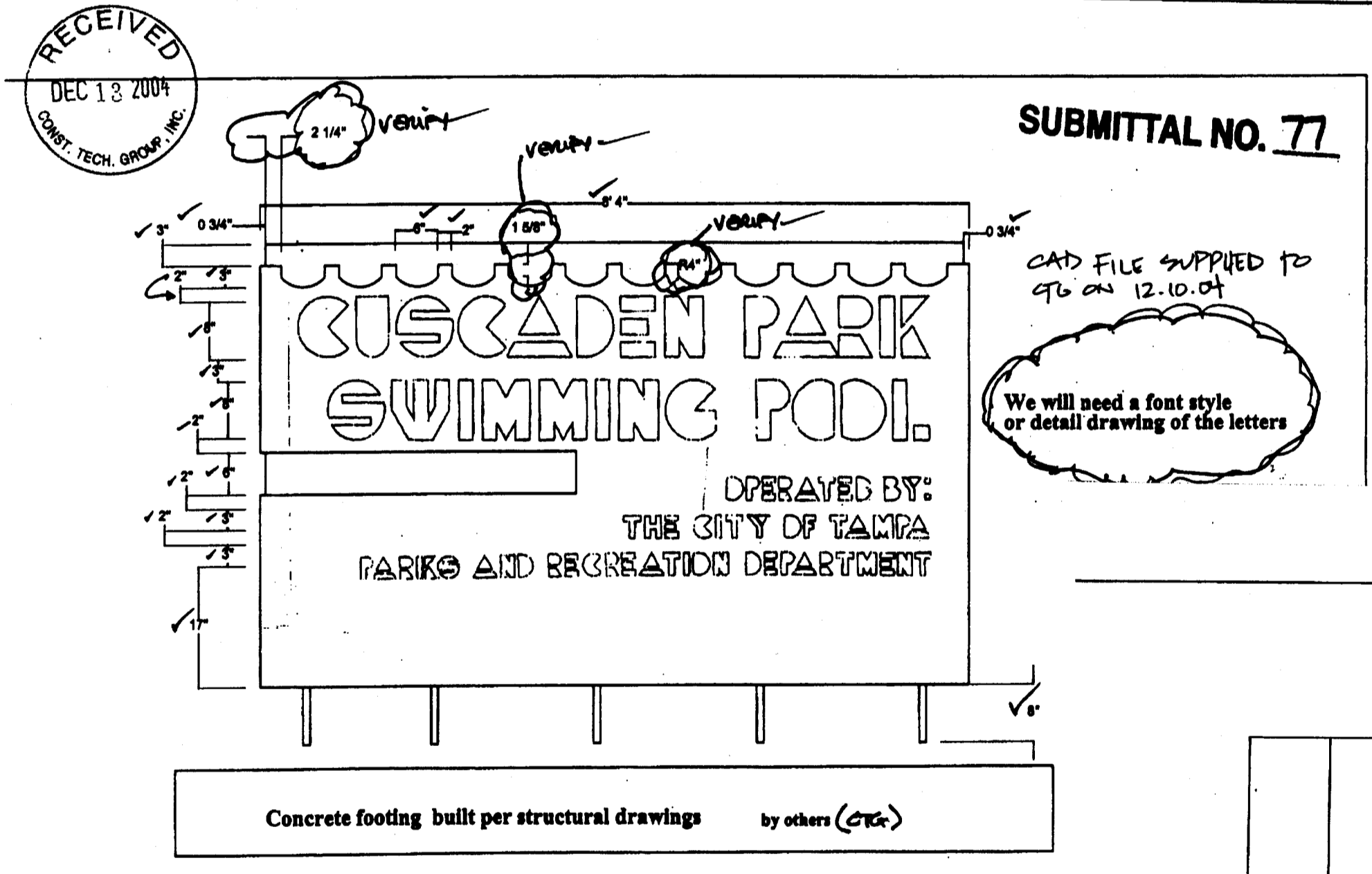
G12 WALL SECTION
1" = 1'-0"

- KEYNOTES**
- 02821 CHAIN-LINK FENCES AND GATES
 - 02821.B2 Double Swing Gate
 - 03300 CAST-IN-PLACE CONCRETE
 - 03300.A5 Concrete Slab
 - 03300.D1 Concrete Footing
 - 03300.E2 Concrete Wall
 - 03300.H1 Reinforcing Bars
 - 04810 UNIT MASONRY ASSEMBLIES
 - 04810.A1 Concrete Masonry Unit
 - 04810.E1 Face Brick
 - 05500 METAL FABRICATIONS
 - 05500.N3 Pipe Bolts

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Tampa, Florida 33602.4704
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813.221.8771
AAC002172

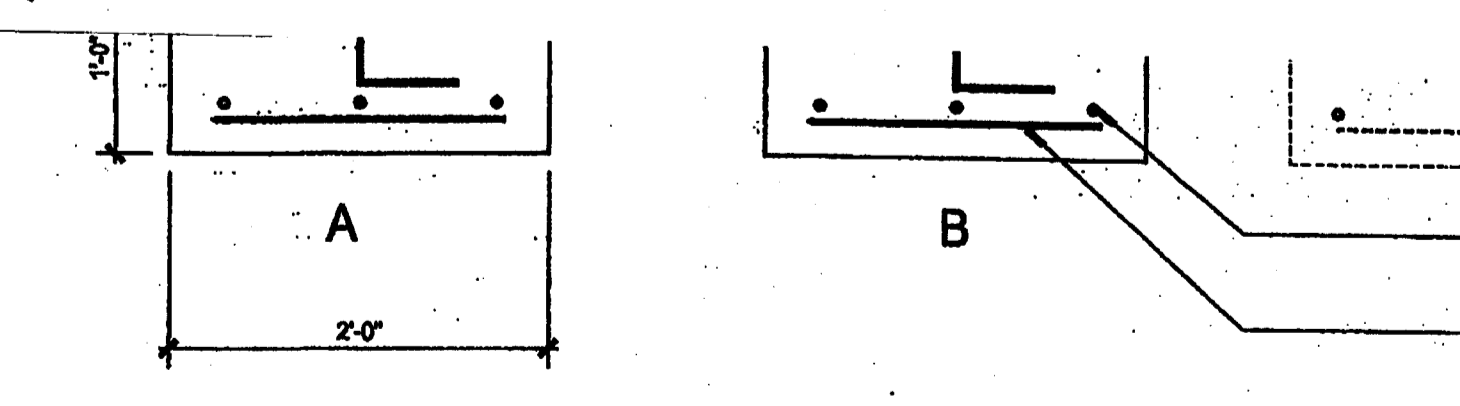


A1 EQUIPMENT
1/4" = 1'-0"

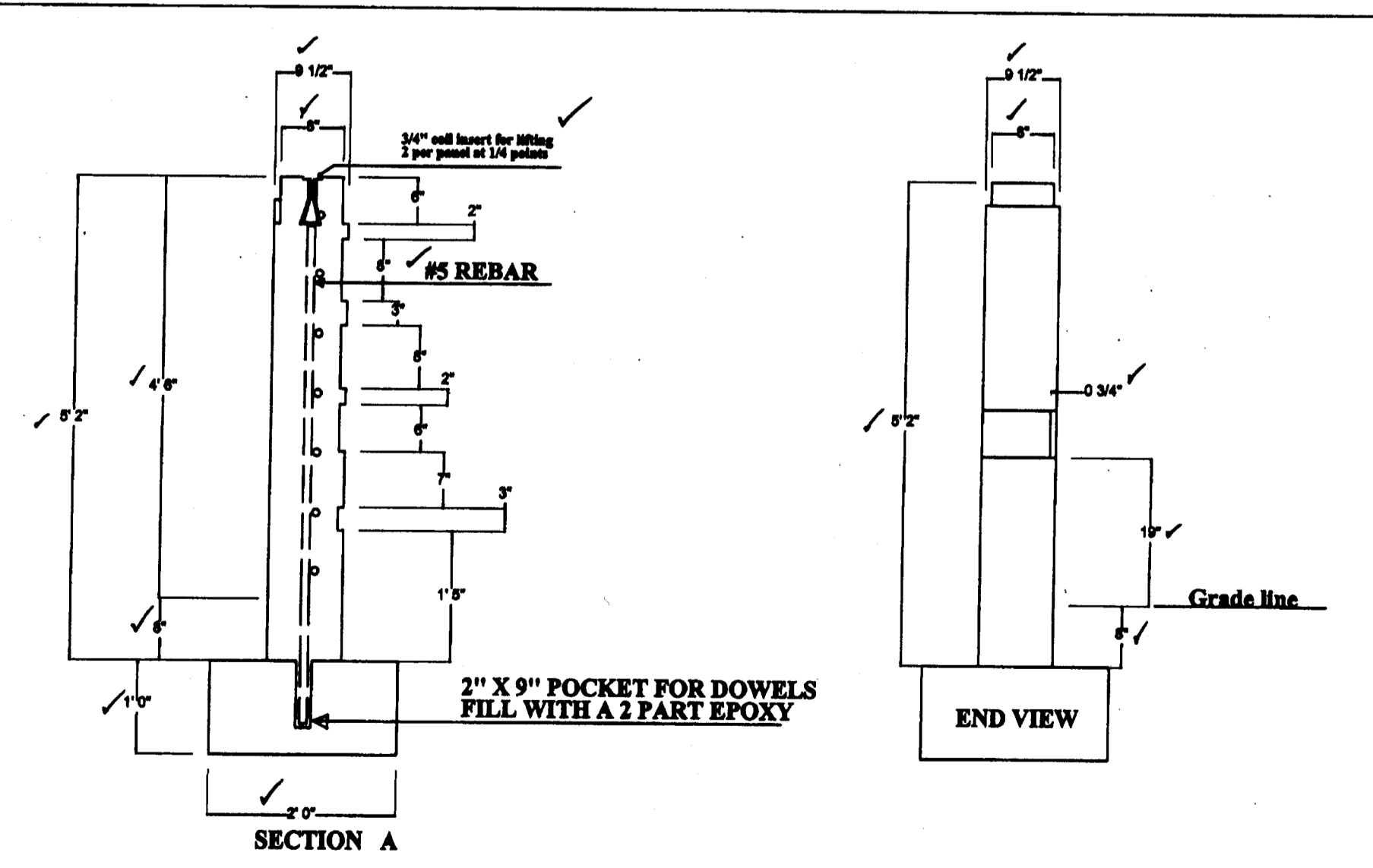
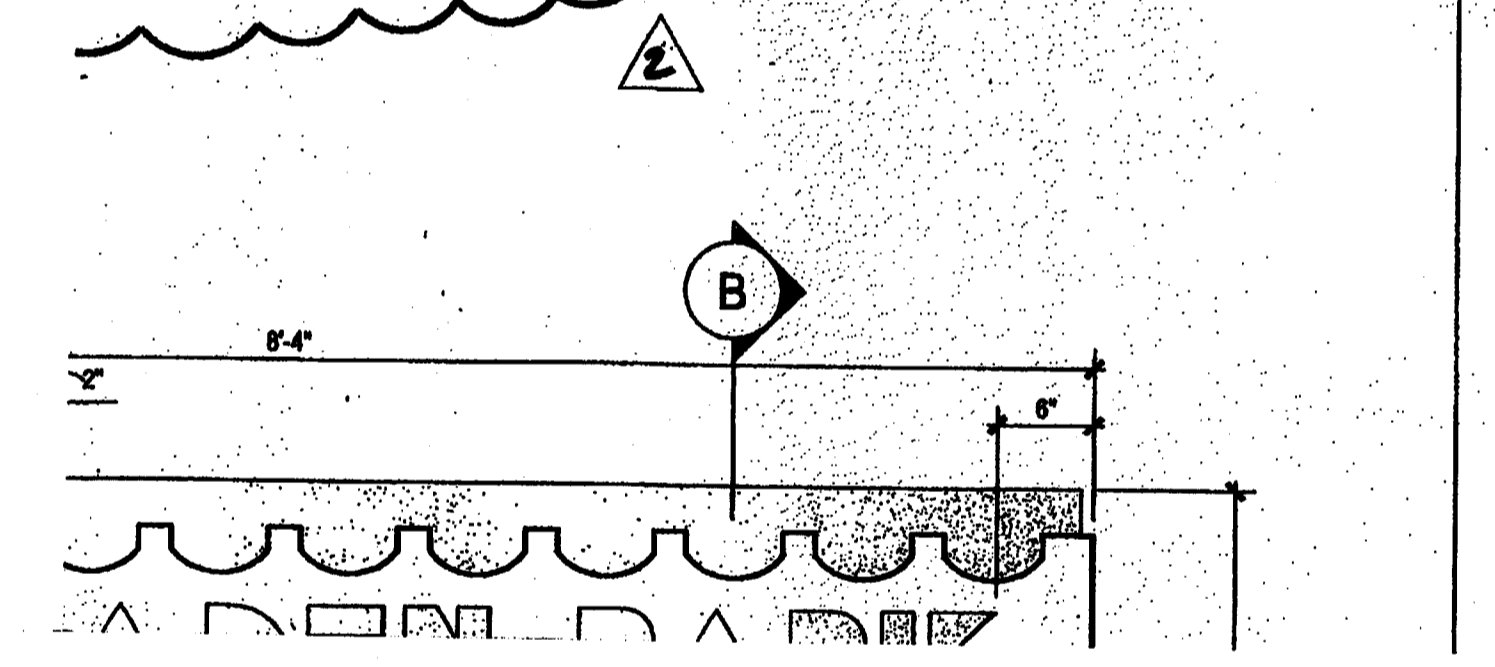


Georgia Precast Services inc
phone 678 858 2263 fax 404 325 4559

Construction Technology Group
Cuscaden Sign



A5 SITE SIGN DETAILS
1" = 1'-0"



Georgia Precast Services inc
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Construction Technology Group
Cuscaden Sign

S3

CUSCADEN POOL RENOVATION

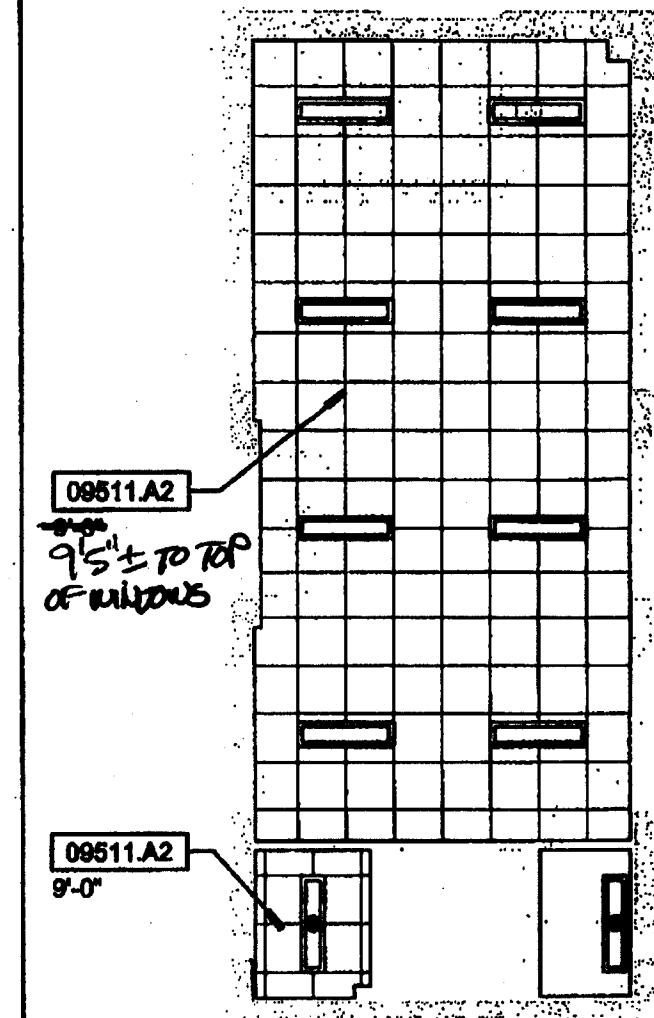
CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.0202.00	
Distribution	Date
BID DOCUMENTS	02.02.04
REVISION 2	05/07/04

ENLARGED PLANS AND DETAILS

RECORD DWG.
DATE 5/26/05

4 LEGEND / NOTES



H14 REF. CLG. PLAN

1/8"=1'-0" Second Floor

FIXTURE LEGEND

- SURFACE MOUNTED FLOURESCENT
- SURFACE MOUNTED FLOURESCENT
- SURFACE MOUNTED FLOURESCENT
- WALL SCONCE
- RECESSED FLOURESCENT FIXTURE
- EMERGENCY EXIT DEVICE

KEYNOTES

- 0220 GYPSUM BOARD ASSEMBLIES
- 0220.B1 Steel Studs
- 0220.C3 Gypsum Wallboard
- 09511 ACUSTICAL PANEL CEILINGS
- 09511.A1 Suspended Acoustical Panel Ceiling System
- 09511.A2 Suspended Gypsum Based Panel Ceiling System
- 09545 METAL CEILINGS
- 09545.A1 Suspended Metal Ceiling System

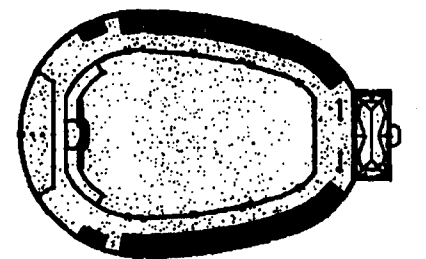
GENERAL NOTES

- 0.000 DEMOLITION
- 0.131 existing concrete slab to remain
- 1.000 ARCHITECTURAL
- 1.027 exposed structure

C14 KEYNOTES

GENERAL NOTES

1. Locate all ceiling fixtures per Architectural Drawings.
2. Where existing concrete ceiling is to remain, repair/patch as necessary and paint.
3. Elevations given on Reflected Ceiling Plans are from finish floor to finish ceiling at point directly below indicator.
4. All rooms with one fixture - Fixture to be centered in room.



CUSCADEN POOL RENOVATION

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Tampa, Florida 33602

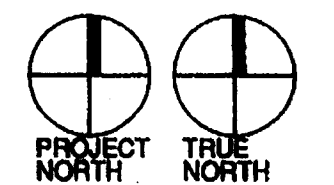
Project No. 0202.00

Distribution Date
BID DOCUMENTS 02.02.04

REFLECTED CEILING PLAN

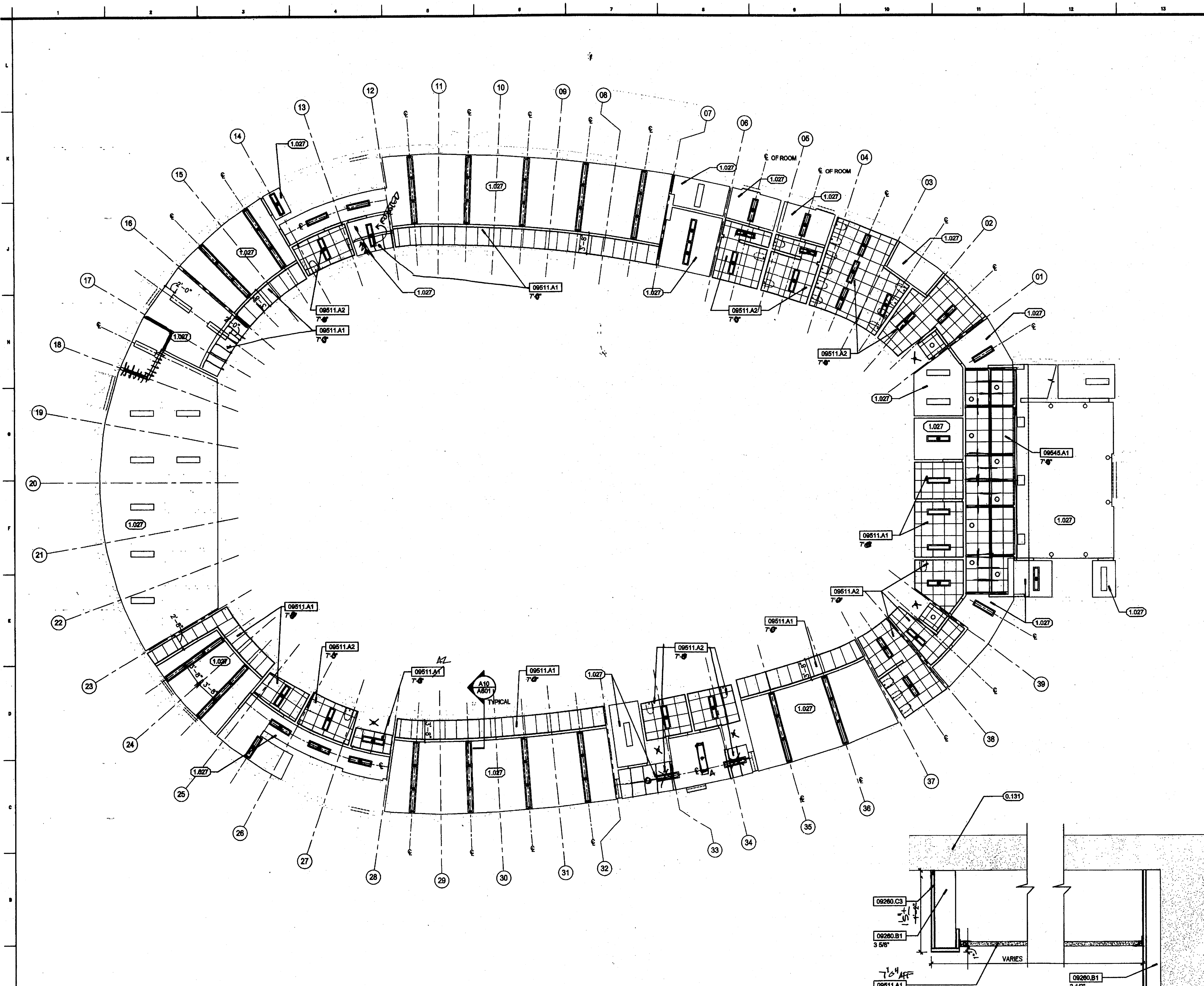
RECORD DWG.

DATE 8/26/05



A601

217
009



A1 REFLECTED CEILING PLAN - First Floor

1/8"=1'-0"

A10 TYPICAL SOFFIT DETAIL

1 1/2"=1'-0"

A14 LEGEND / NOTES

DOOR HARDWARE

Hardware Set #1 - doors: 101, 130, 201; each to have:
 2 Cylinder 3080/1080 630
 Remainder of hardware specified with aluminum door

Hardware Set #2 - doors: 157; each to have:
 6 ea Hinges FBB191 4.5 x 4.5 NRP 630
 1 Classroom Lock ML2055 NSM 630
 2 Closer with Stop 4111 CUSH 689
 2 Flush Bolts 555 12" 630
 1 Lock Guard LG10 630
 1 Threshold 2005AV
 1 Rain Drip 348C
 1 set Weather Stripping S88BL

Hardware Set #3 - doors: 120 (90 Min. Rated Door & Frame); each to have:
 3 ea Hinges FBB191 4.5 x 4.5 NRP 630
 1 Storeroom Lock ML2057 NSM 630
 1 Closer with Stop 4111 CUSH 689
 1 Lock Guard LG10 630
 1 Threshold 2005AV
 1 Rain Drip 348C
 1 set Weather Stripping S88BL

Hardware Set #4 - doors: 124A, 124B, 140; each to have:
 3 ea Hinges FBB191 4.5 x 4.5 NRP 630
 1 Storeroom Lock ML2057 NSM 630
 1 Closer with Stop 4111 CUSH 689
 1 Lock Guard LG10 630
 1 Threshold 2005AV
 1 Rain Drip 348C
 1 set Weather Stripping S88BL

Hardware Set #5 - doors: 125, 156; each to have:
 3 ea Hinges FBB191 4.5 x 4.5 NRP 630
 1 Exit Device/Panic Hardware 98EO 630
 1 Closer with Stop 4111 CUSH 689
 1 Door Top Weather Strip 346

Hardware Set #6 - doors: 112, 160, 161; each to have:
 3 ea Hinges FBB191 4.5 x 4.5 NRP 630
 1 Deadlock DL4017 630
 1 Push Plate 70F 630
 1 Door Pull BF112 630
 1 Closer with Stop 4111 CUSH 689
 1 Rain Drip 348C

Hardware Set #7 - doors: 102, 110, 113, 114, 121, 122, 154 and 162; each to have:
 3 ea Hinges FBB191 4.5 x 4.5 630
 1 Privacy Set ML2030 NSM 630
 1 Stop
 3 ea Silencers

Hardware Set #8 - doors: 103, 104, 105, 106, 131, 152, 159, 203; each to have:
 3 ea Hinges FBB191 4.5 x 4.5 630
 1 Storeroom Lock ML2057 NSM 630
 1 Stop
 3 ea Silencers

Hardware Set #9 - doors: 107, 151; each to have:
 3 ea Hinges FBB191 4.5 x 4.5 630
 1 Office Lock ML2061 NSM 630
 1 Stop
 3 ea Silencers

Hardware Set #10 - doors: 109 (90 Min. Rated Door & Frame); each
 3 ea Hinges FBB191 4.5 x 4.5 630
 1 Storeroom Lock ML2057 NSM 630
 1 Closer with Stop 4111 CUSH 689
 3 ea Silencers

Hardware Set #11 - doors: 111, 117, 202; each to have:
 3 ea Hinges FBB191 4.5 x 4.5 630
 1 Classroom Lock ML2055 NSM 630
 1 Stop
 3 ea Silencers

Hardware Set #12 - doors: 115, 155; each to have:
 3 ea Hinges FBB191 4.5 x 4.5 630
 1 Storeroom Lock ML2057 NSM 630
 1 Overhead Stop GJ450 series 630
 3 ea Silencers

Hardware Set #13 - doors: 124C; each to have:
 3 ea Hinges FBB191 4.5 x 4.5 630
 1 Office Lock ML2051 NSM 630
 1 Overhead Stop GJ450 series 630
 3 ea Silencers

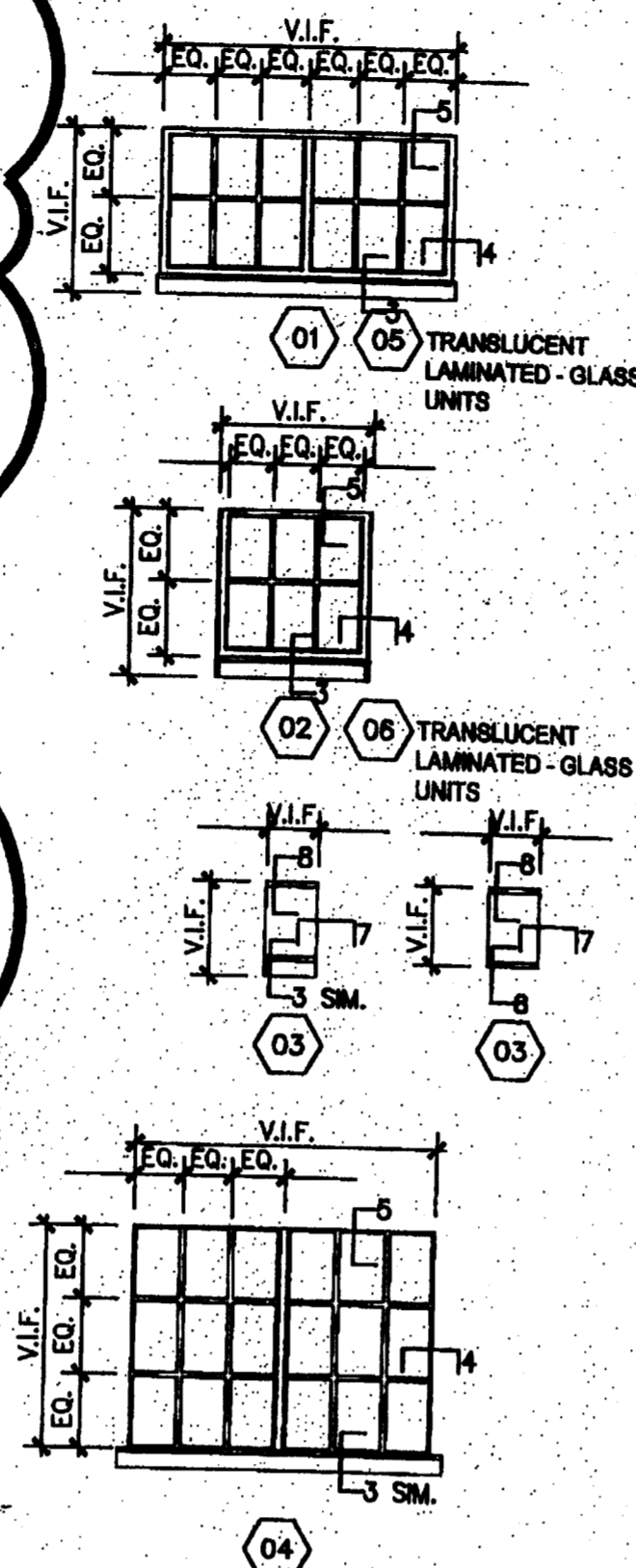
Hardware Set #14 - doors: 158; each to have:
 6 ea Hinges FBB191 4.5 x 4.5 630
 1 Storeroom Lock ML2057 NSM 630
 2 Overhead Stops GJ450 series 630
 2 Flush Bolts 555 12" 630
 1 Dustproof Strike 570 630
 2 ea Silencers

ALUMINUM STOREFRONT HARDWARE

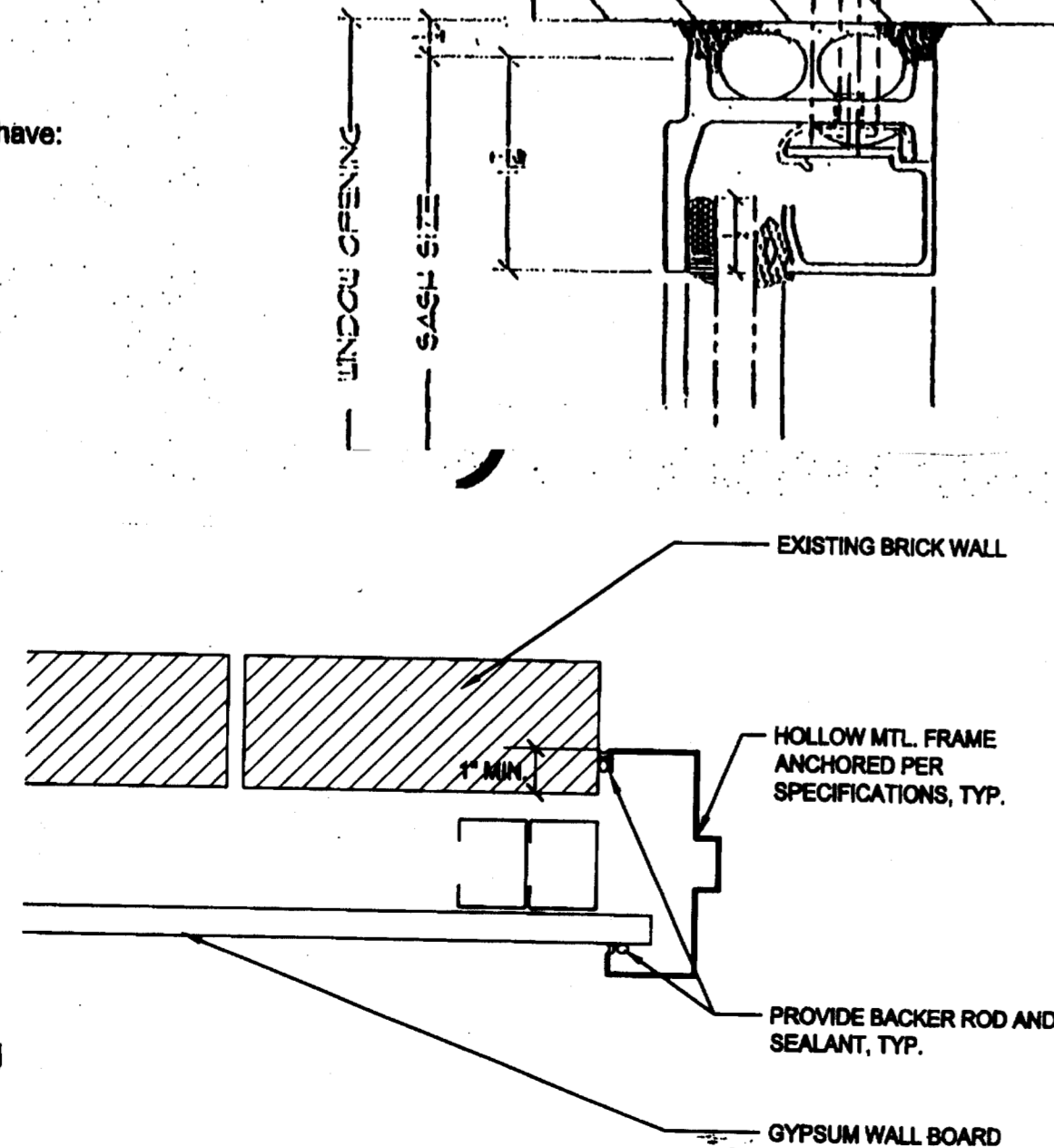
Hardware Set #01
 Opening: 101, each to have:
 6 Hinges FBB 191 4.5 x 4.5 NRP 630
 2 Exit Device/Panic Hardware Kawneer Paneline® CR-90
 2 Pulls Kawneer CPN
 2 Closers with stop 4111 CUSH 689
 1 Astragal
 1 Threshold 2005AS
 1 Weather Seals S88BL

Hardware Set #02
 Opening: 201, each to have:
 6 Hinges FBB 191 4.5 x 4.5 NRP 630
 2 Exit Device/Panic Hardware Kawneer Paneline® CR-90, locate on pool side of door.
 2 Pulls Kawneer CPN
 2 Closers with stop 4111 CUSH 689
 1 Astragal
 1 Threshold 2005AS
 1 Weather Seals S88BL

Hardware Set #03
 Opening: 130, each to have:
 6 Hinges FBB 191 4.5 x 4.5 NRP 630
 1 Storeroom Lock ML2057 NSM 630
 2 Flush Bolts 555 12" 630
 2 Overhead Stop GJ450 Series 630
 1 Threshold 2005AS
 1 Weather Seals S88BL

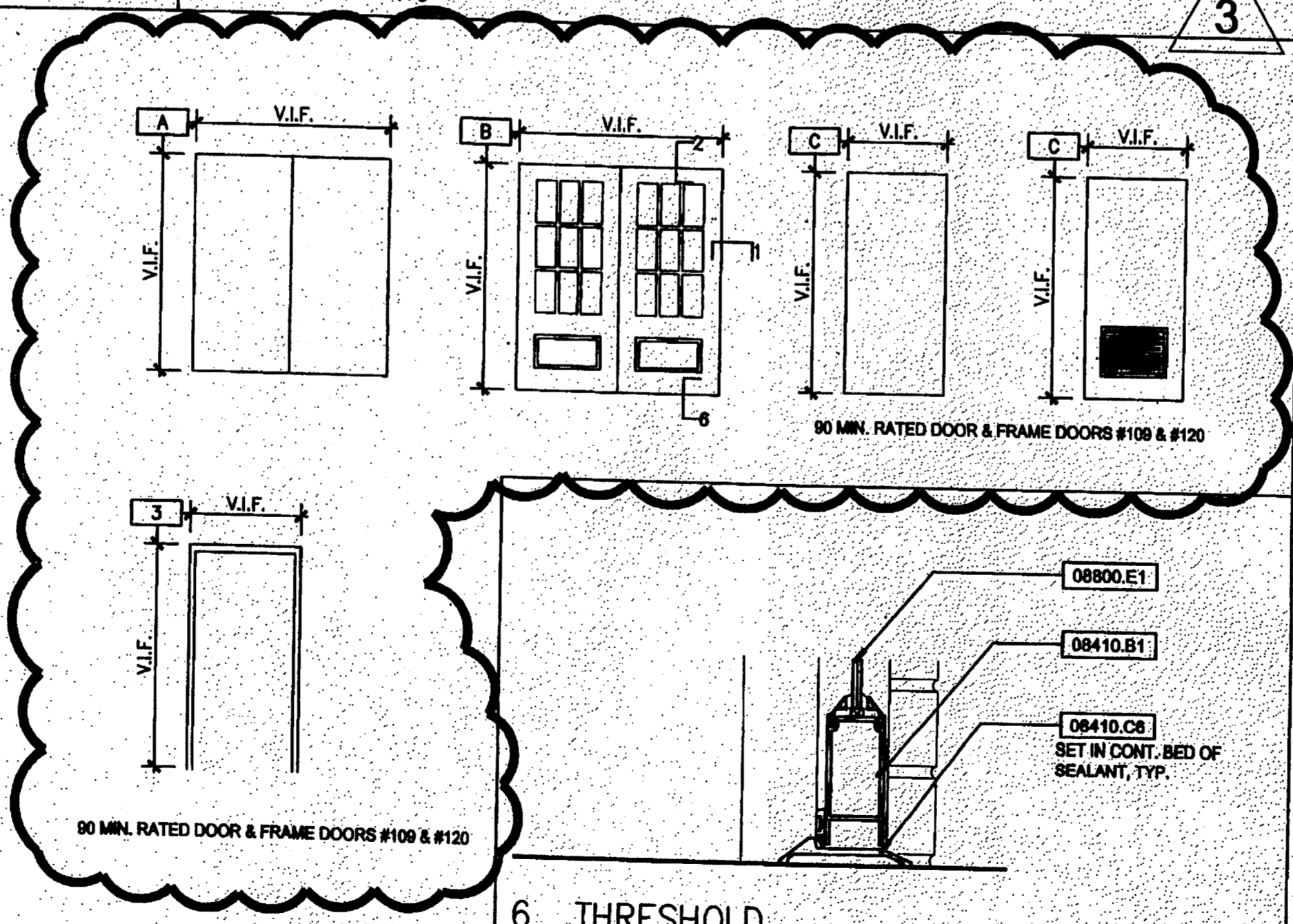


NO EXCEPTION TAKEN
 EXCEPT AS NOTED
 REJECTED
 REVISE AND RESUBMIT
 Review of the submitted is only for general conformance with the design of the project and general compliance with the requirements of the Contract Documents. The Contractor is responsible for confirming processes and techniques of construction and coordinating the work with work of other trades.
 DATE 11/11/04
 ROWE ARCHITECTS INCORPORATED



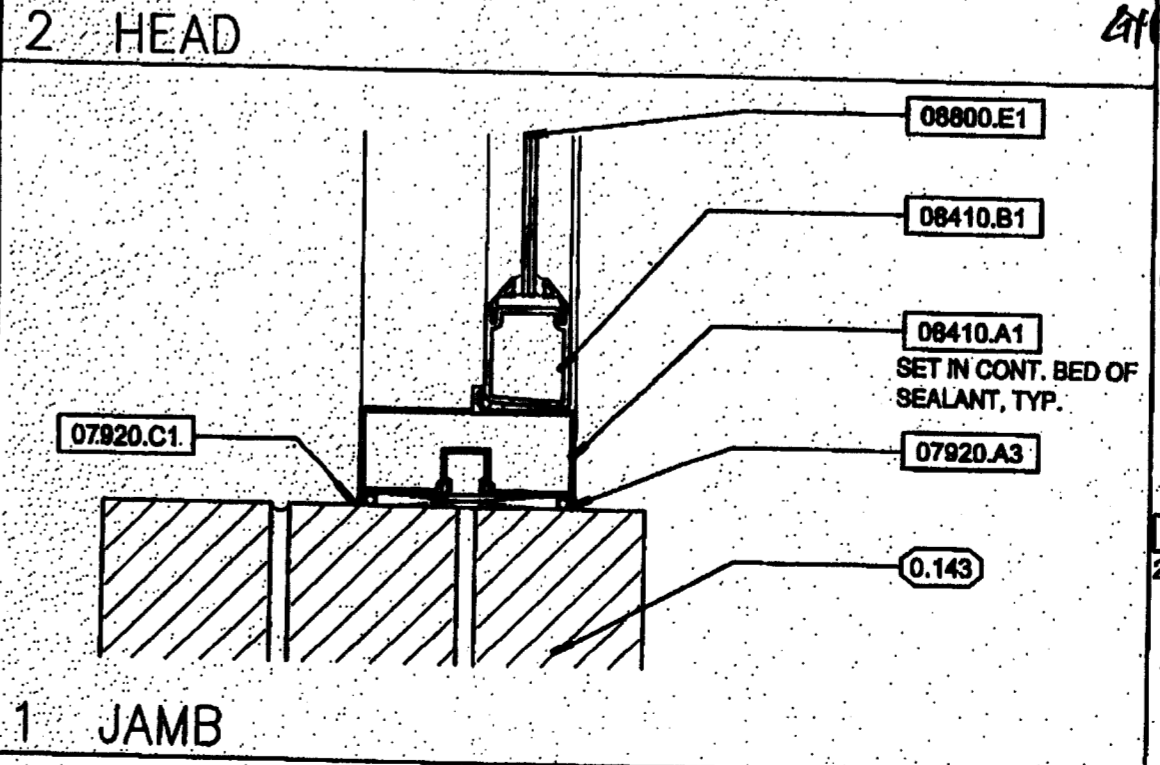
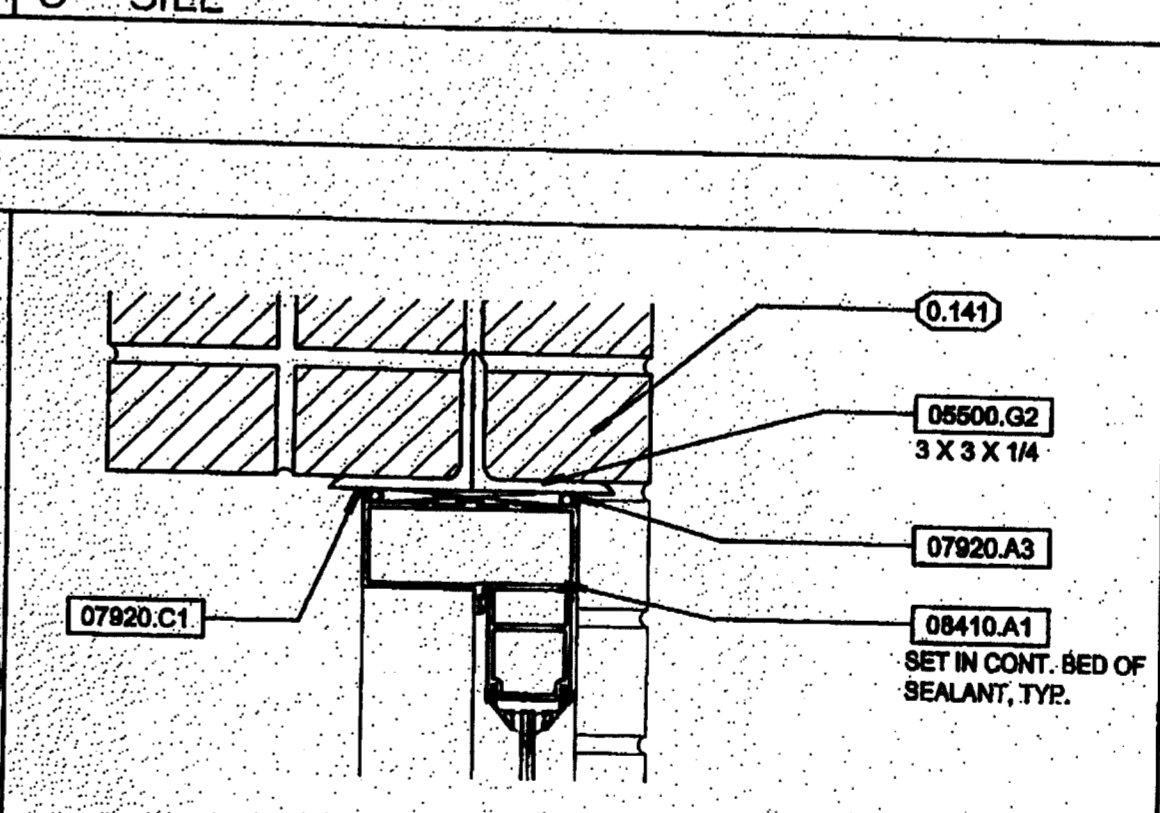
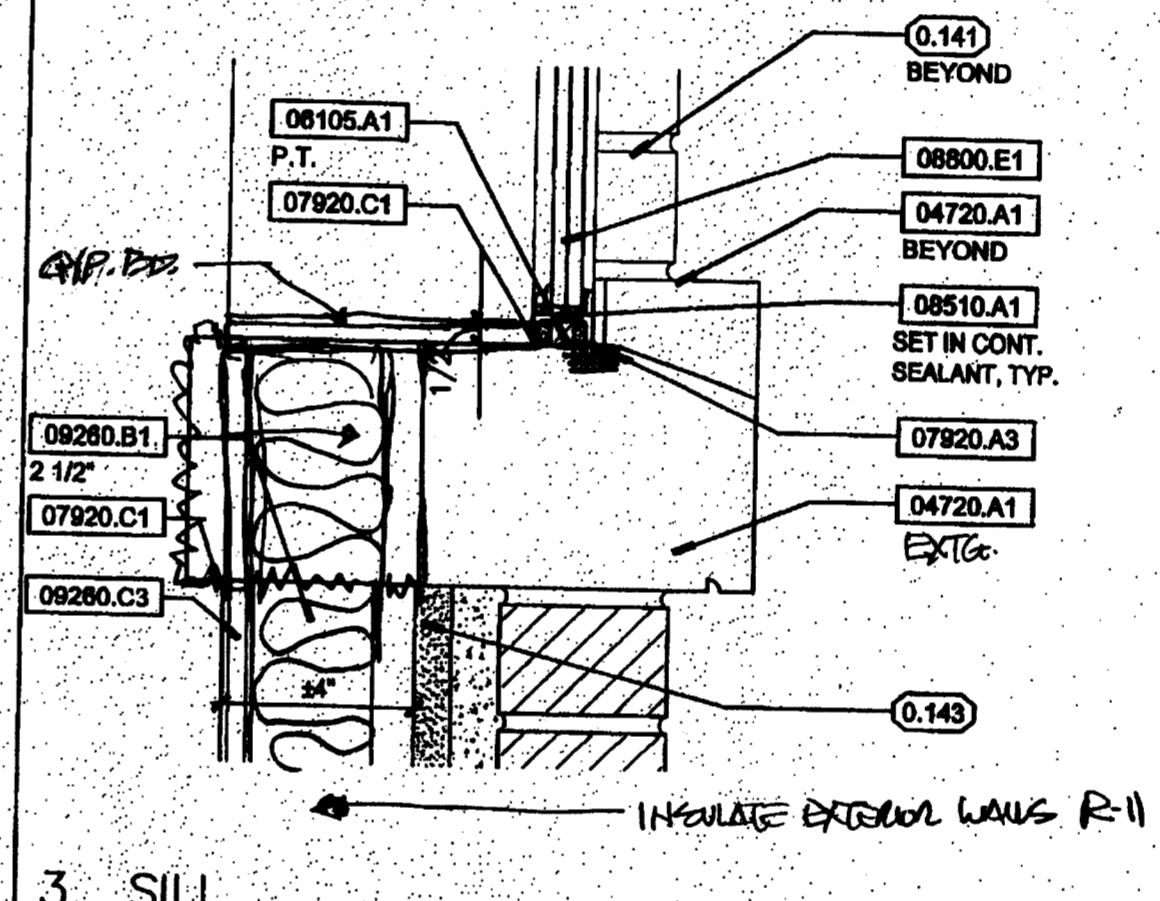
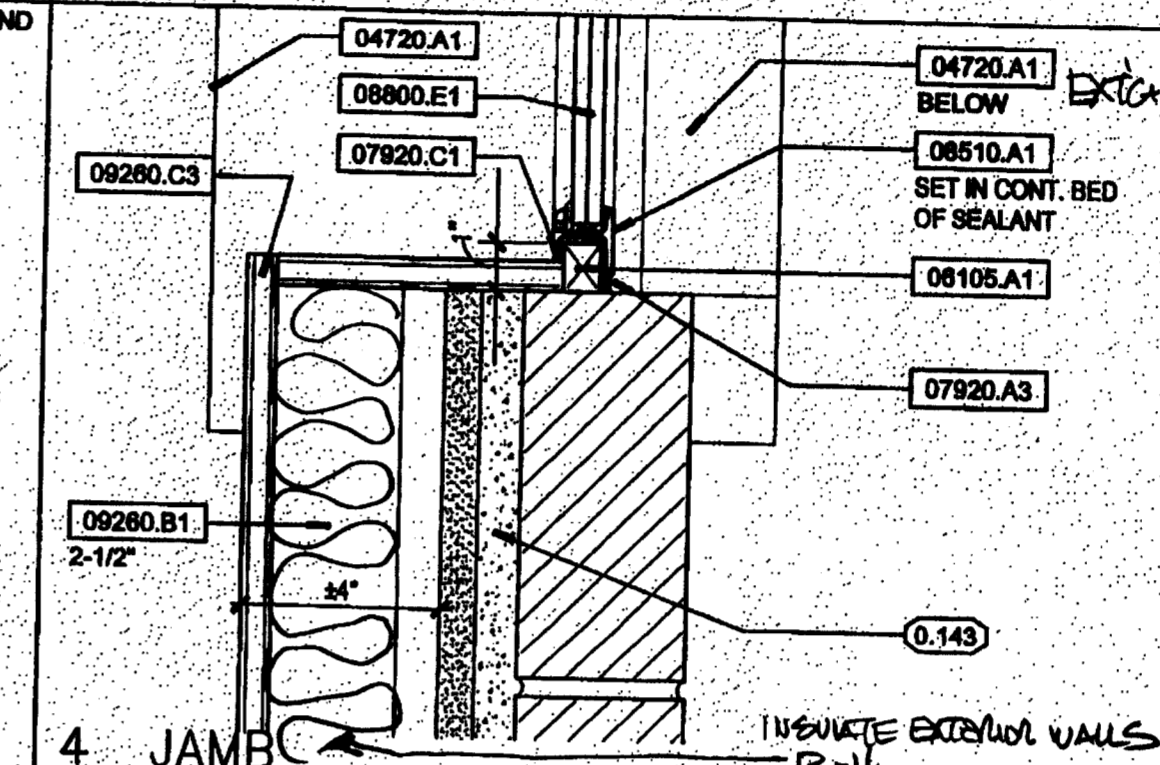
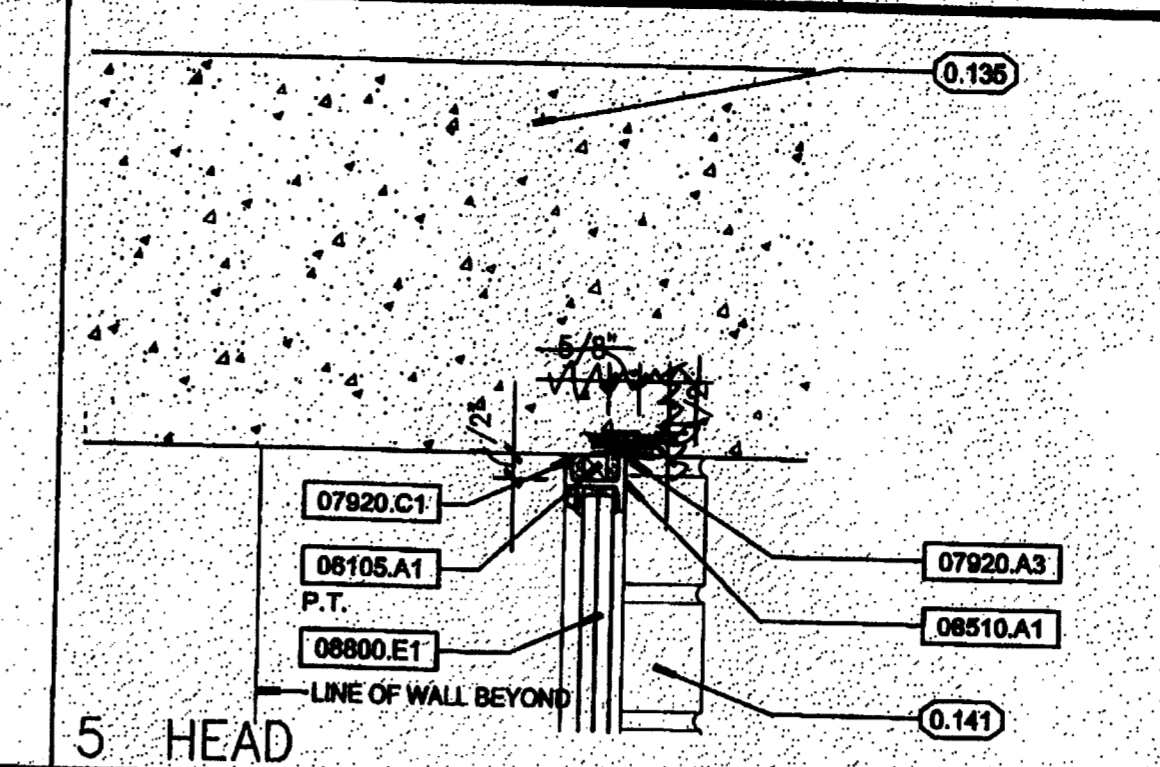
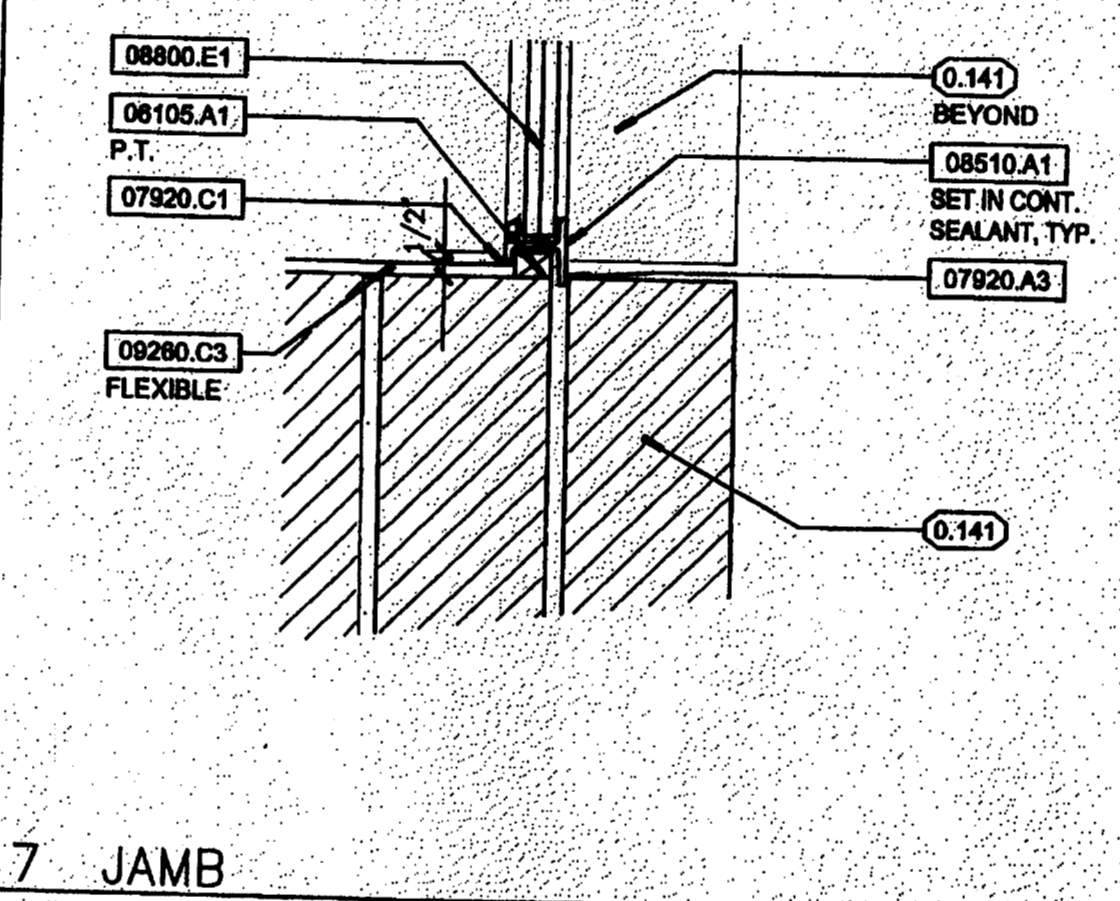
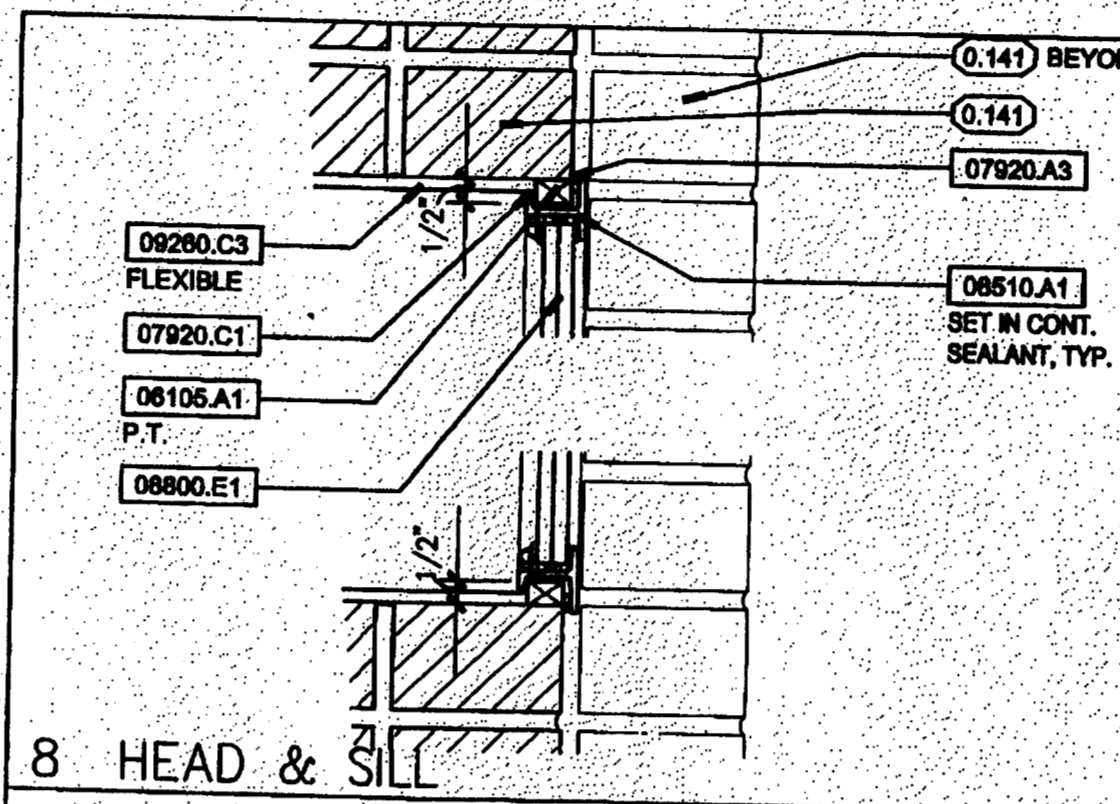
E6 WINDOW ELEVATIONS & DETAILS

DETAILS AT 3" = 1'-0"



A6 DOOR AND FRAME ELEVATIONS AND DETAILS

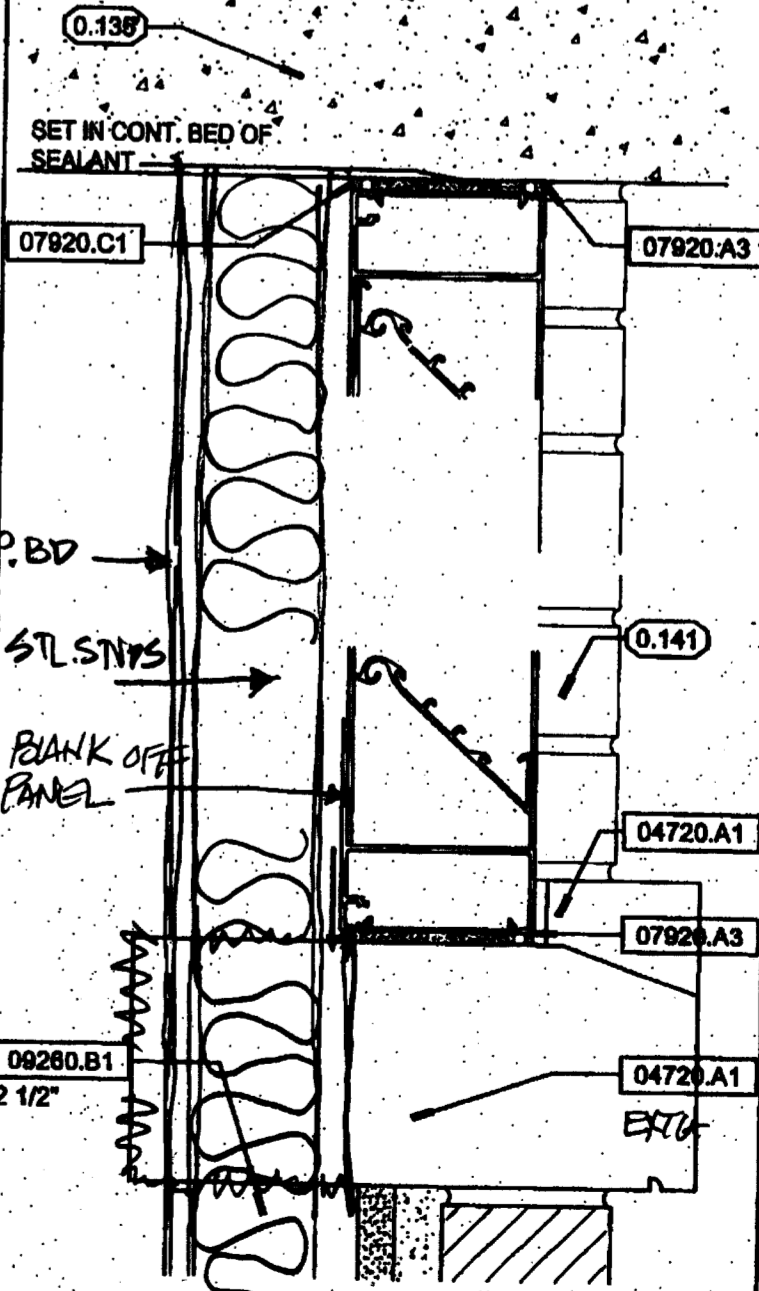
DETAILS AT 3" = 1'-0"



KEYNOTES

- 04720 CAST STONE
 - 04720.A1 Cast stone window sill (EXTRA)
 - 05500 METAL FABRICATIONS
 - 06500.G2 Loose Steel Lintel, Galvanized
 - 06105 MISCELLANEOUS CARPENTRY
 - 06105.A1 Wood Blocking
 - 07820 JOINT SEALANTS
 - 07920.A3 Silicone Sealant
 - 07920.C1 Latex Sealant
 - 08410 ALUMINUM ENTRANCES AND STOREFRONTS
 - 08410.A1 Aluminum Storefront Framing
 - 08410.B1 Aluminum and Glass Entrance Door
 - 08410.C6 Threshold
 - 08510 STEEL WINDOWS
 - 08510.A1 Fixed Window
 - 08800 GLAZING
 - 08800.E1 Laminated Glass
 - 09280 GYPSUM BOARD ASSEMBLIES
 - 09280.B1 Steel Studs
 - 09280.C3 Gypsum Wallboard
- GENERAL NOTES**
- 0.000 DEMOLITION
 - 0.135 existing pool deck slab to remain
 - 0.141 existing masonry to remain
 - 0.143 existing brick wall

E14 KEYNOTES



A14 LOUVER DETAILS

3" = 1'-0"

ROWE ARCHITECTS

100 Madison Street, Suite 200
 Tampa, Florida 33602-4704
 www.RoweArchitects.com
 Fax: 813.221.9154
 813.221.8771
 AAC002172

Redline 07.13.04

CUSCADEN POOL RENOVATION

CITY OF TAMPA
 306 East Jackson Street
 Tampa, Florida 33602

Project No.0202.00

Distribution	Date
BID DOCUMENTS	02.02.04
REVISION A	05.07.04
REVISION B	07.14.04

WINDOW, DOOR & LOUVER DETAILS

RECORD DWG.
 DATE 8/26/05

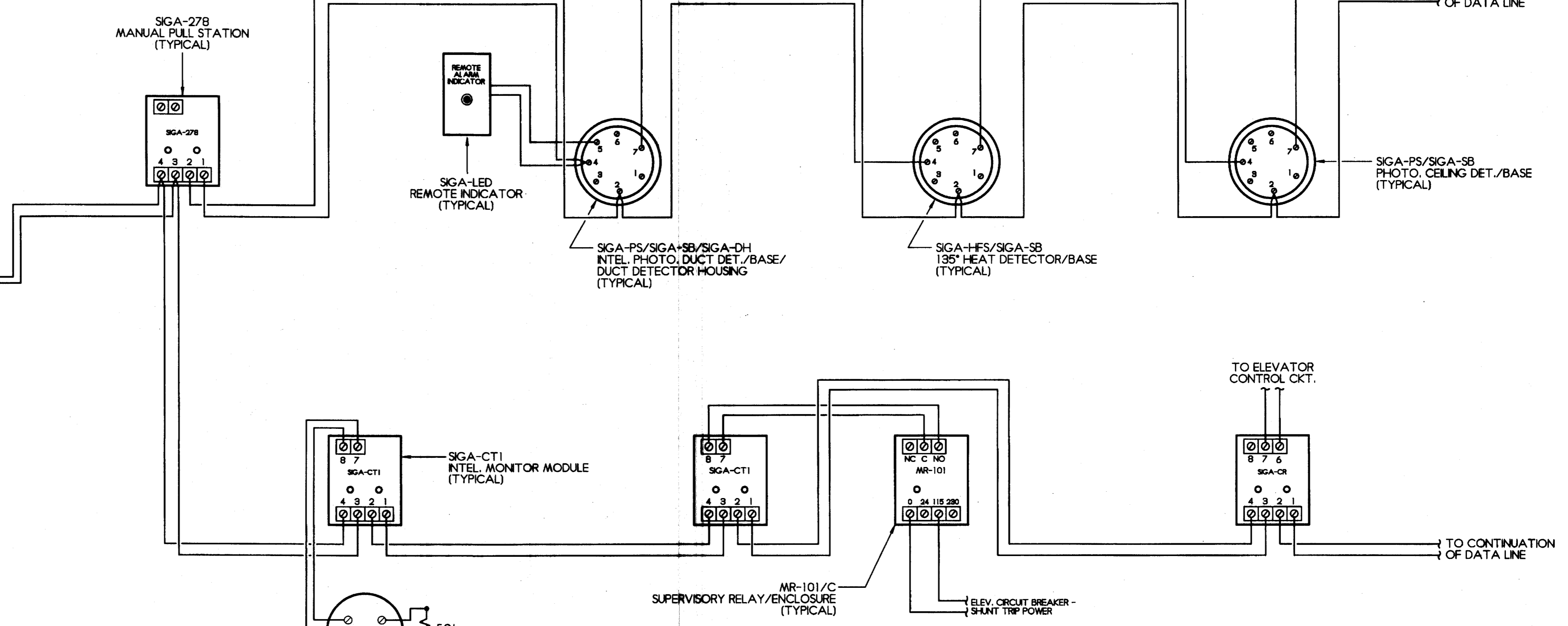
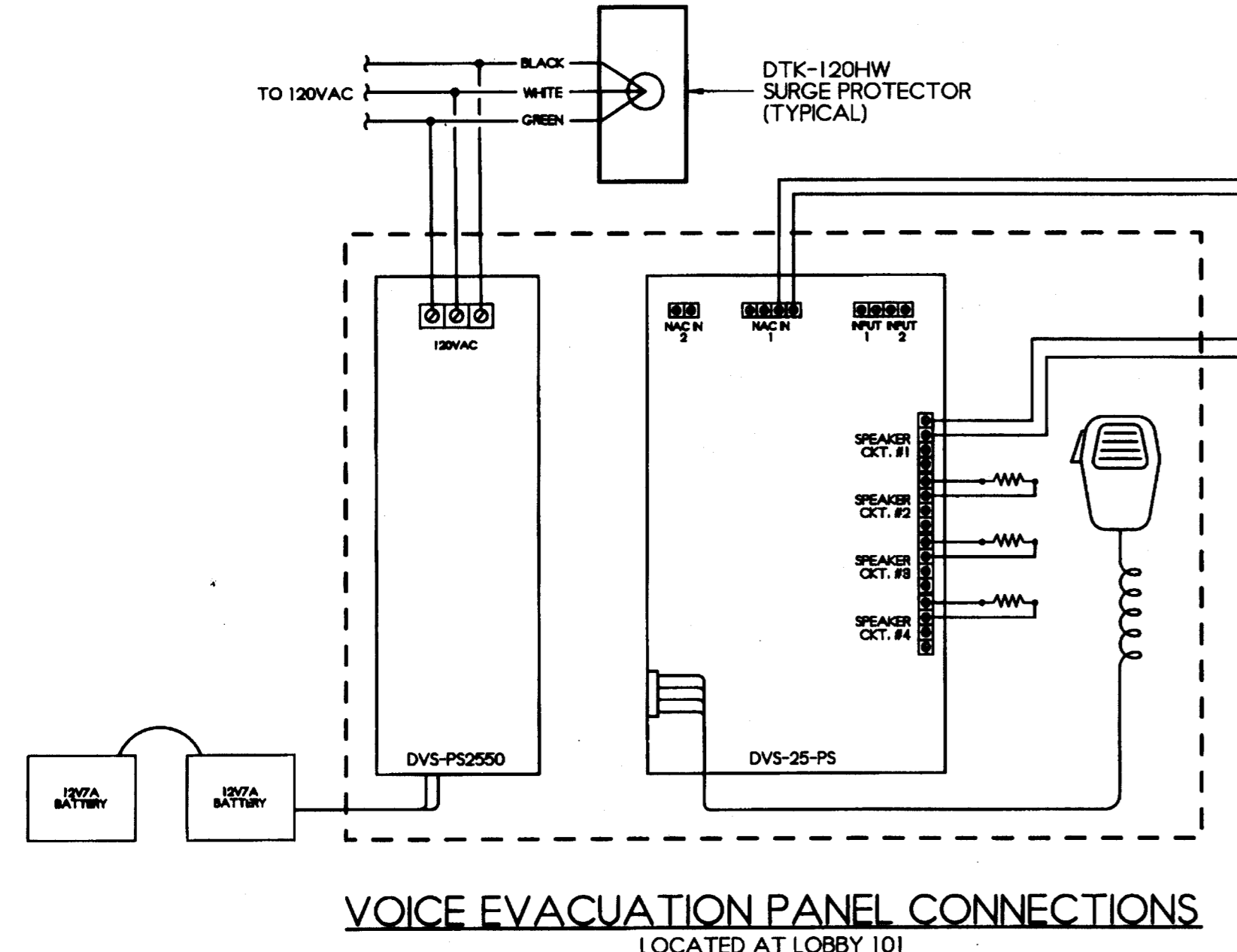
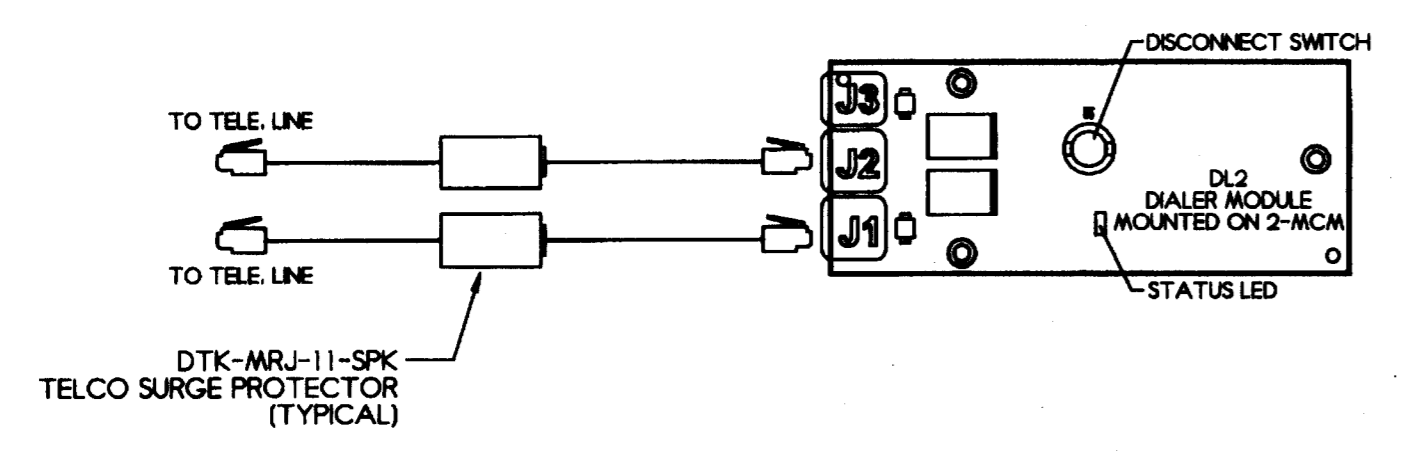
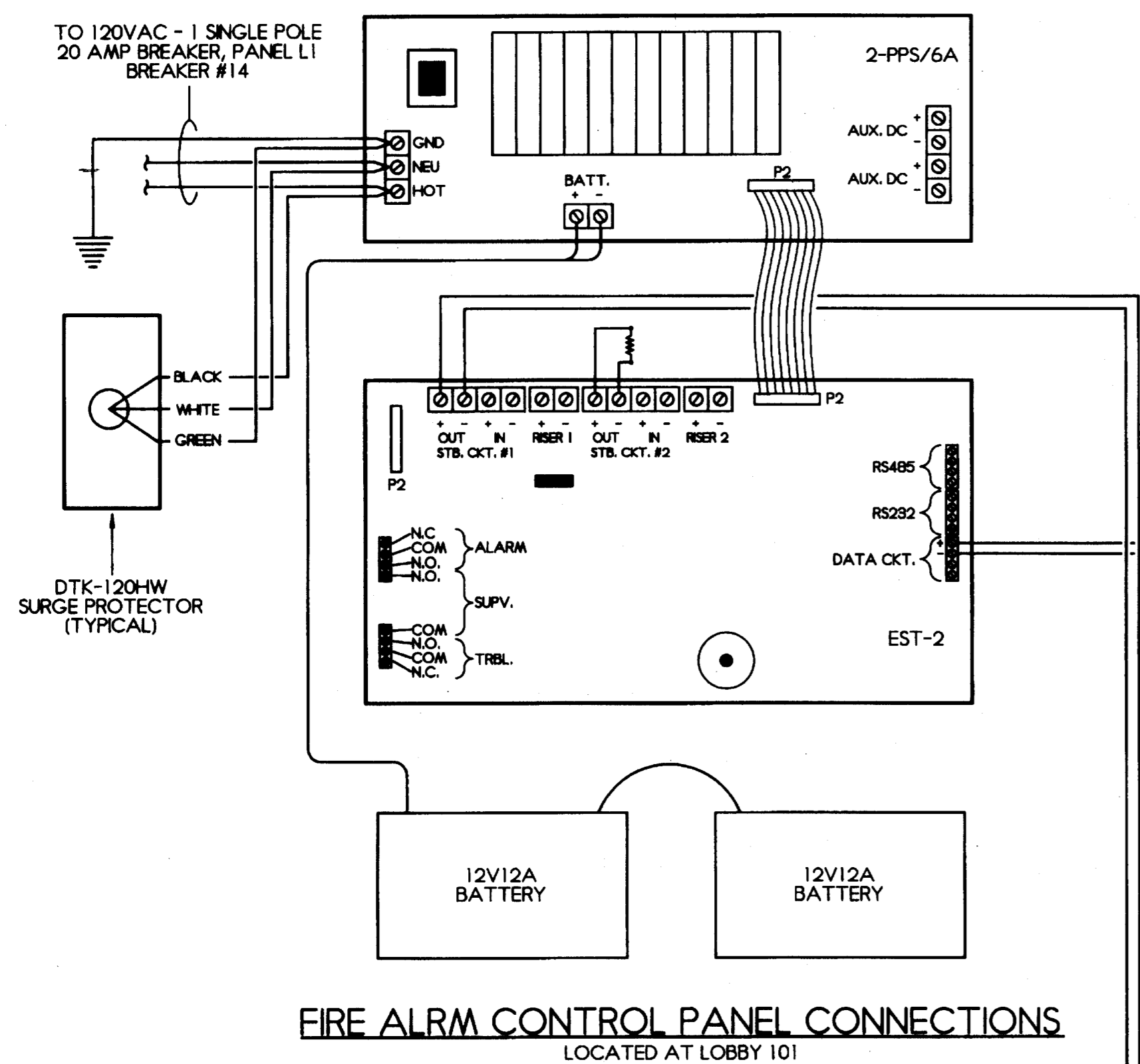
REVISED

JUL 16 2004

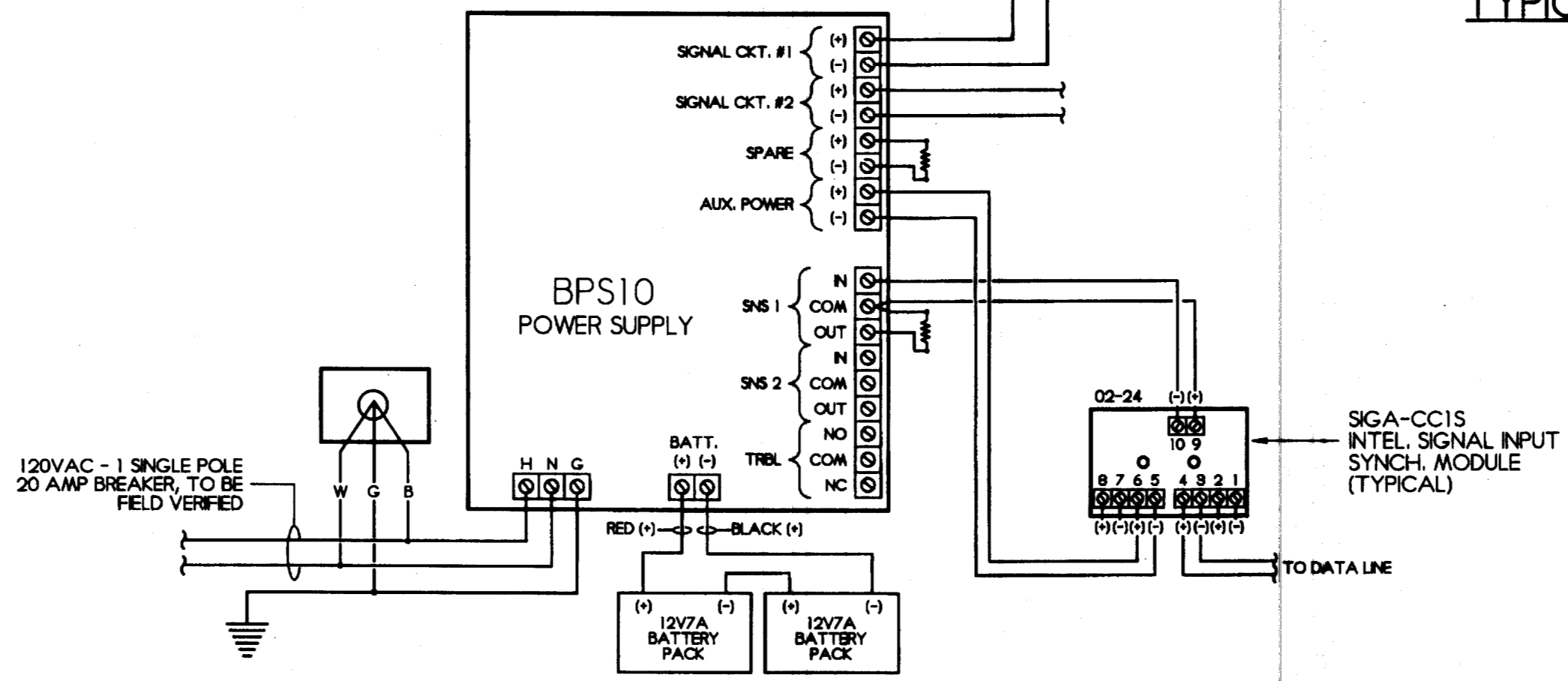
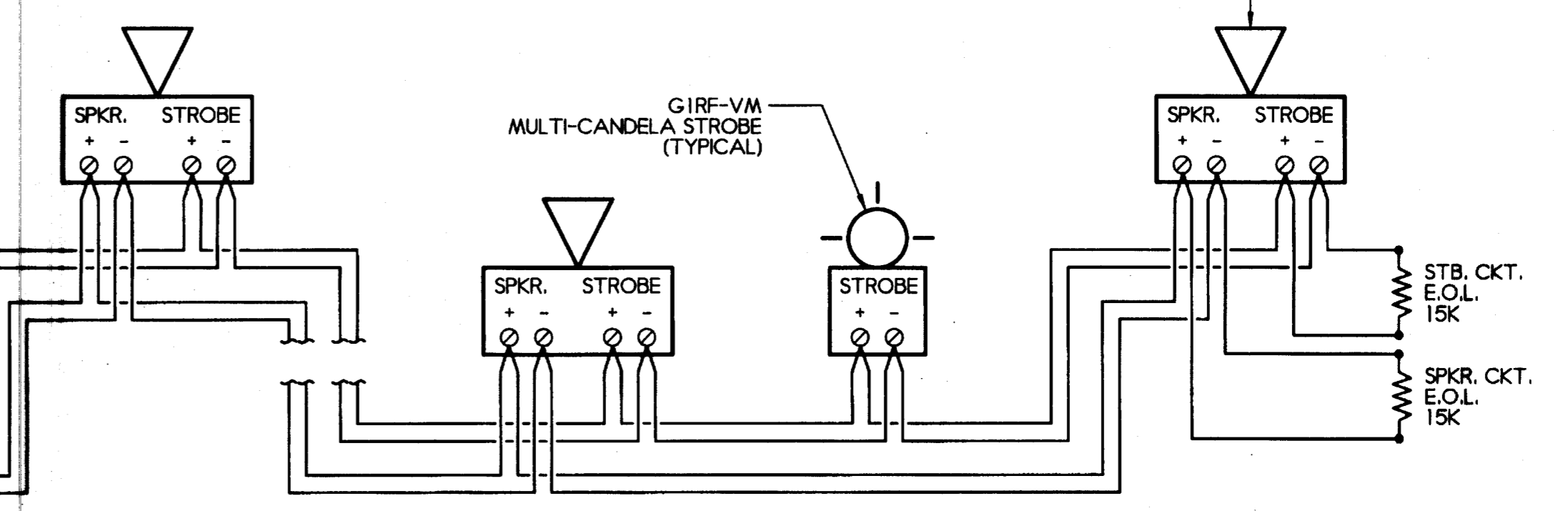
CITY OF TAMPA
 COMMERCIAL PLAN REVIEW

A801



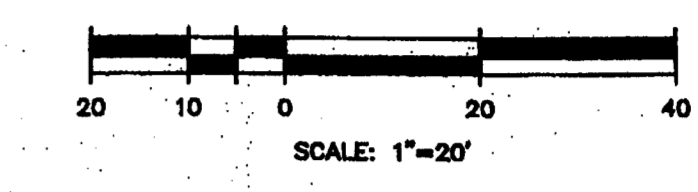
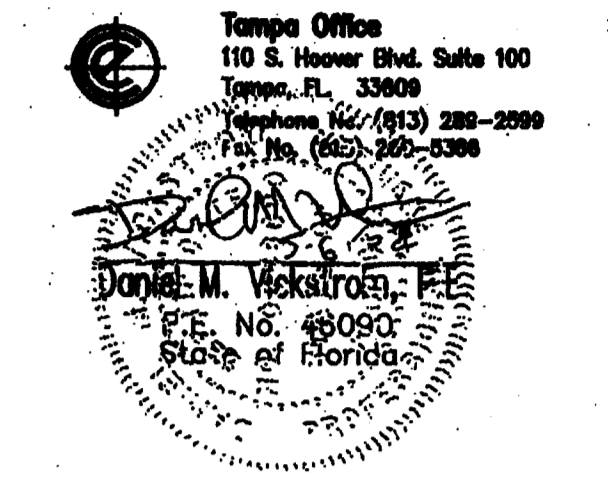


TYPICAL ADDRESSABLE DATA LINE CONNECTIONS



REVISIONS
REVISED 11/10/04 - PER FIRE MARSHAL'S COMMENTS
REVISED 03/09/05 - PER MATRIX
11/23/04 COMMENTS

SCALE: AS NOTED
DRAWN BY: BK
APPROVED BY: RJS
DRAWING DATE: 08/21/04
REF. DWG. DATE: 02/02/04



TREE LEGEND

12" (O) = 12" OAK TREE
12" (W) = 12" WILLOW TREE
12" (M) = 12" MULBERRY TREE
12" (P) = 12" PALM TREE
12" (B) = 12" BAY TREE
12" (MAG) = 12" MAGNOLIA TREE
12" (C) = 12" CITRUS TREE
12" (E) = 12" EUCALYPTUS TREE
12" (S) = 12" SYCAMORE TREE
12" (P) = 12" PINE TREE
12" (C) = 12" CEDAR
12" (E) = 12" ELM TREE
12" (M) = 12" MAPLE TREE
12" (W) = 12" WAX MYRTLE TREE
12" (O) = 12" OTHER SPECIES
12" (C) = 12" CYPRESS TREE
12" (P) = 12" PECAN TREE
12" (B) = 12" BOTTLE BRUSH TREE
12" (C) = 12" CAMPHOR TREE
12" (C) = 12" CHINABERRY TREE
12" (P) = 12" PERSIMMON TREE

EXISTING PARKING

HANDICAP SPACES	4 SPACES
REGULAR SPACES	28 SPACES
TOTAL PARKING PROVIDED	32 SPACES

PROPOSED PARKING

HANDICAP SPACES	4 SPACES
REGULAR SPACES	41 SPACES
TOTAL PARKING PROVIDED	45 SPACES

NOTES:

- SEE ARCHITECTURAL SITE PLAN FOR FENCING AND GATES.
- ALL STRIPING & SIGNAGE MUST COMPLY FULLY WITH FDOT ROADWAY & TRAFFIC STANDARDS MANUAL (2002 EDITION) INDEX #17346 & #17355.

LEGEND

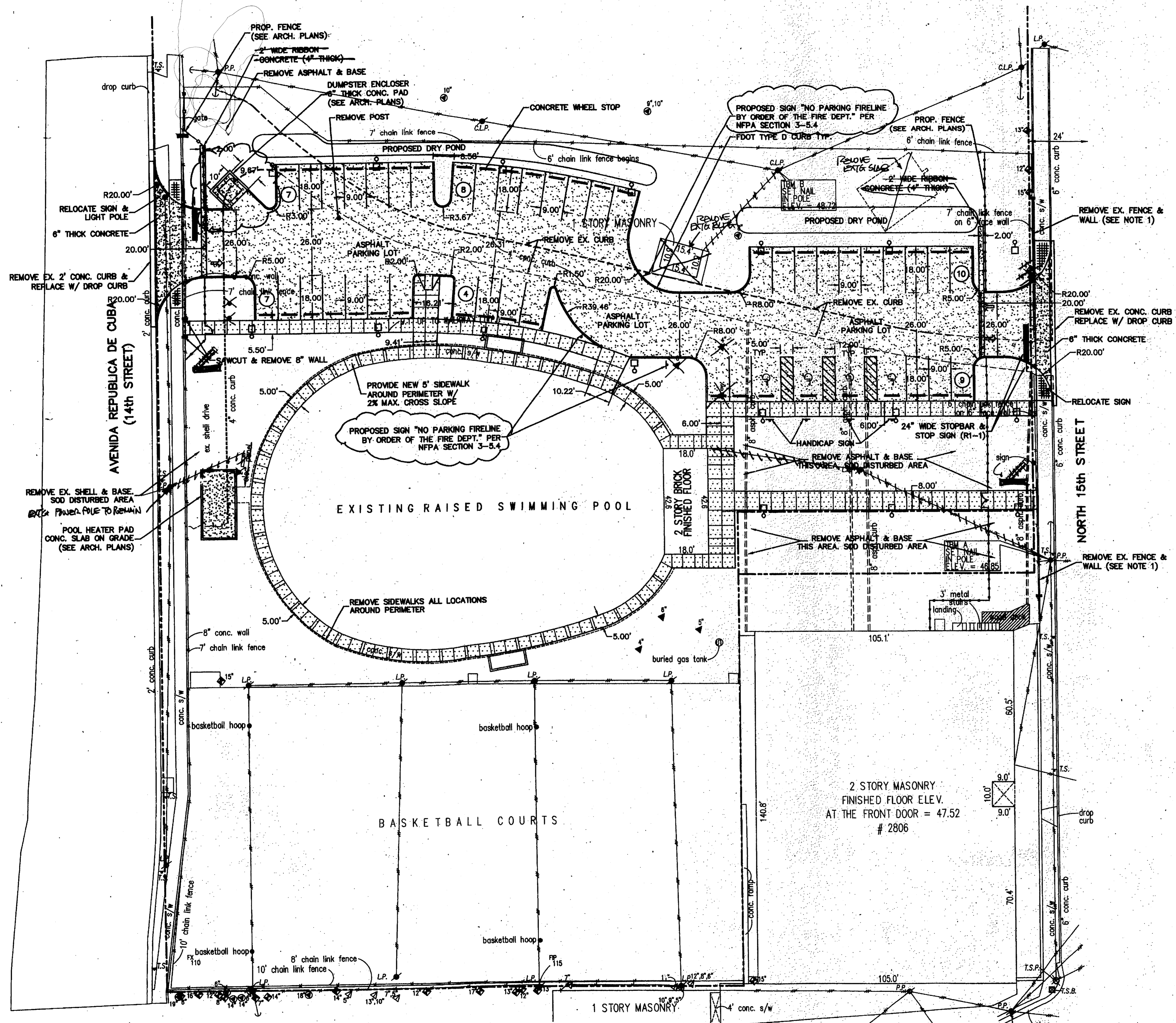
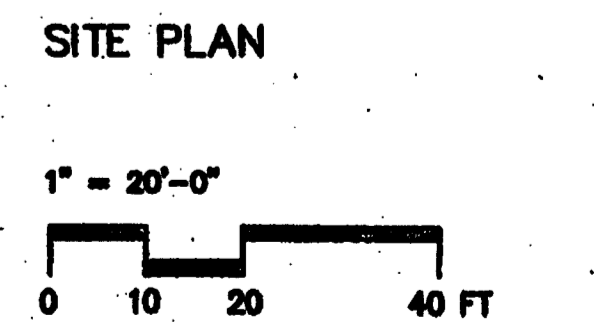
- DENOTES ASPHALT PAVEMENT
- DENOTES CONCRETE WALKS/PATHS
- DENOTES CONCRETE PAVEMENT
- DENOTES NO. OF PARKING SPACES
- DENOTES HANDICAP PARKING
- TRAFFIC CIRCULATION (NOT FOR PAINTING)

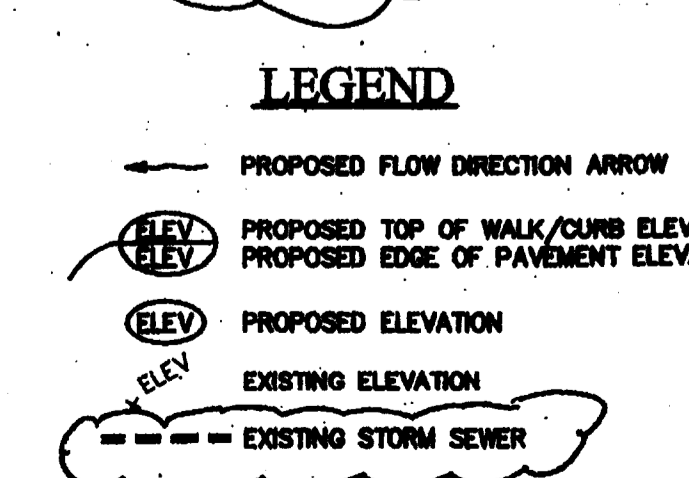
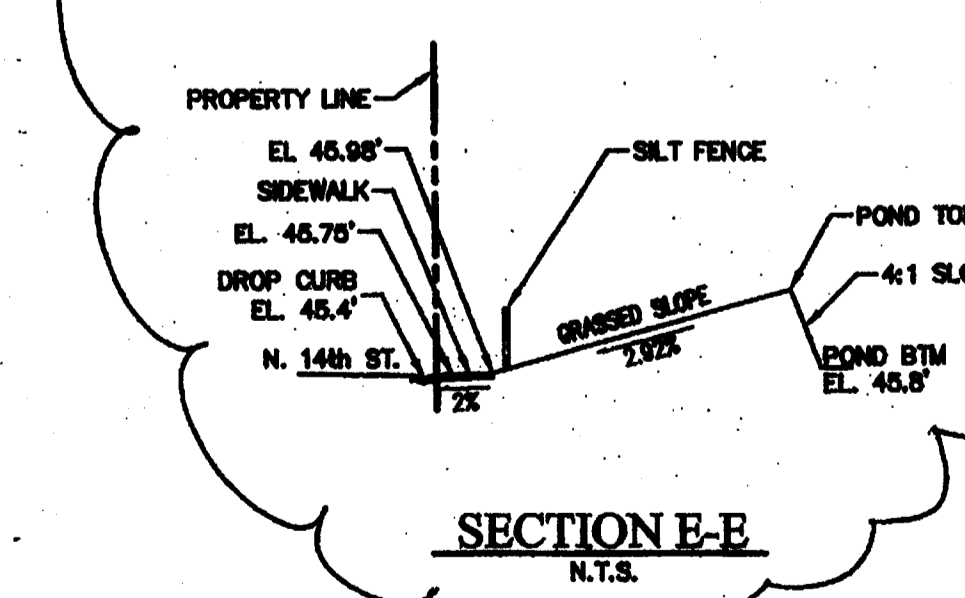
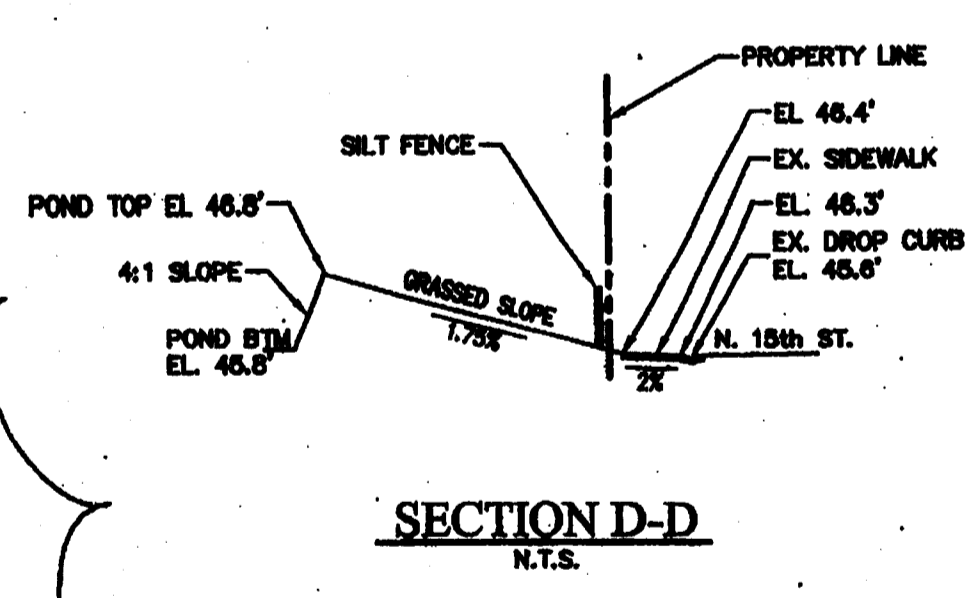
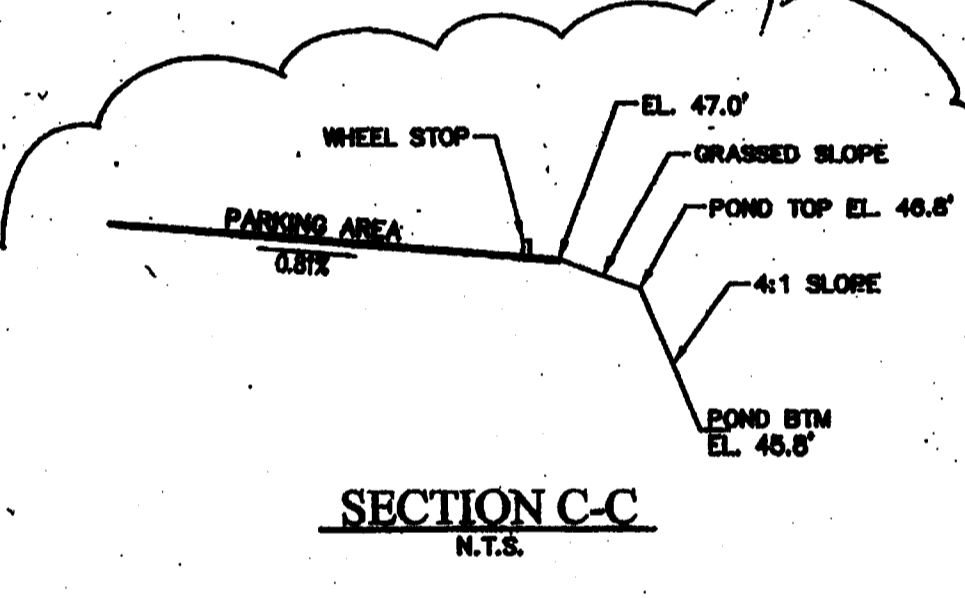
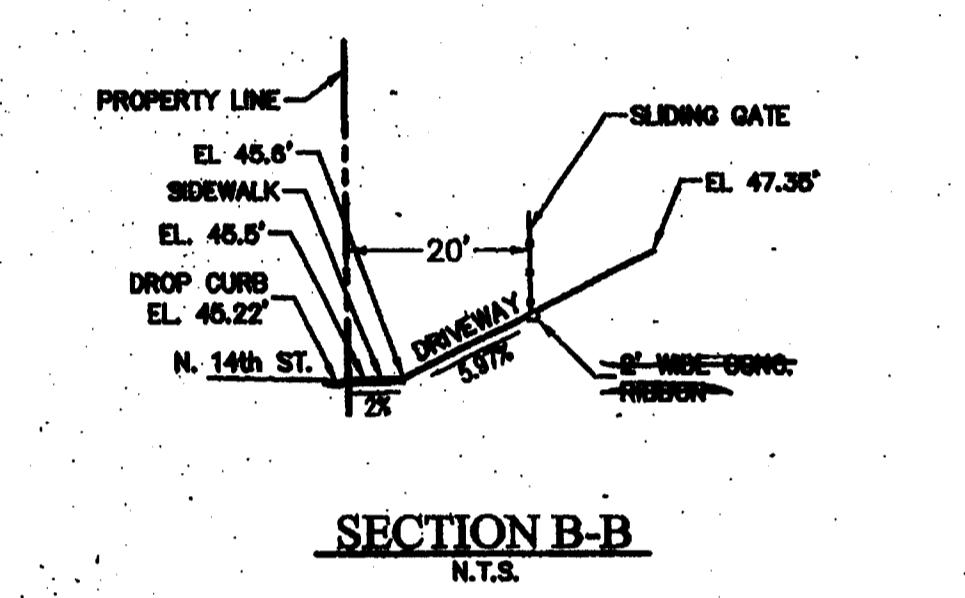
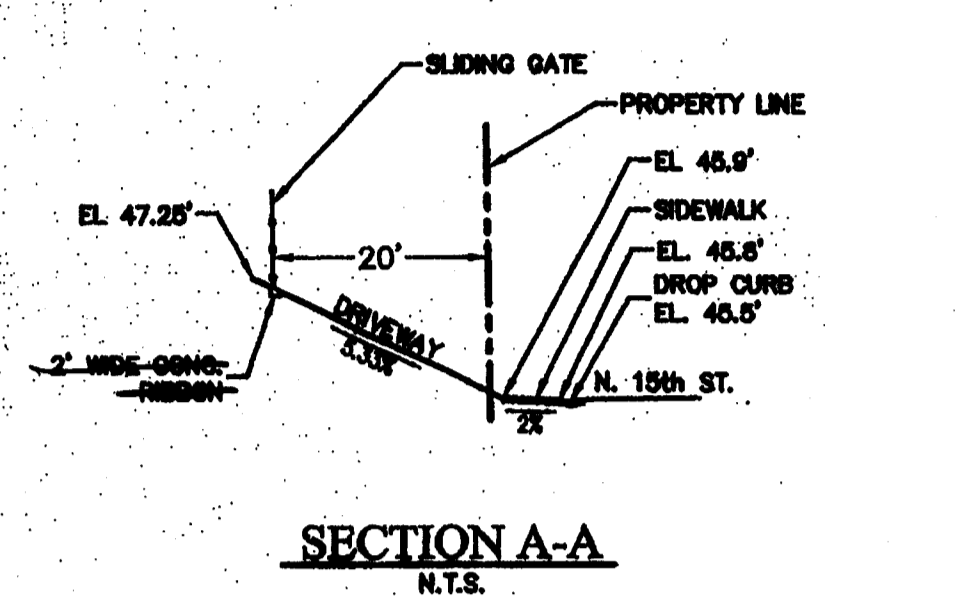
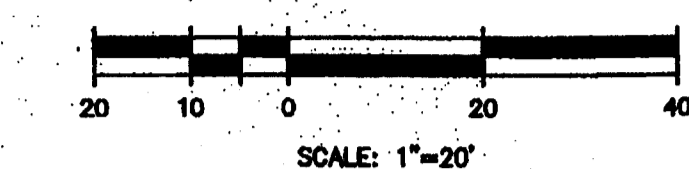
CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

Distribution	Date
BID DOCUMENTS	02.02.04
CITY COMMENTS	05.08.04
REVISION 2	05.03.04



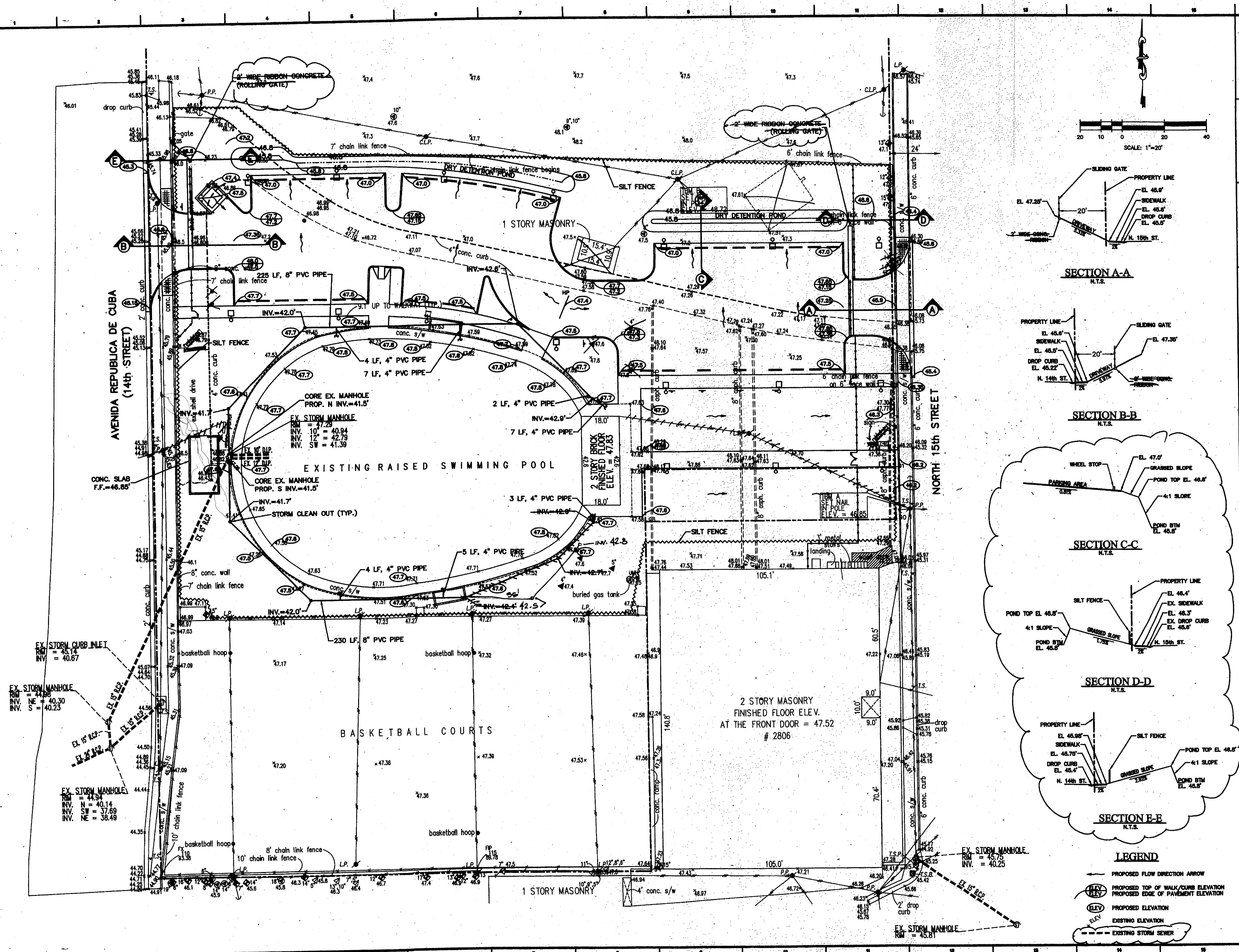
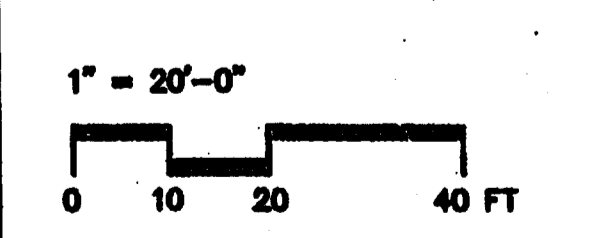


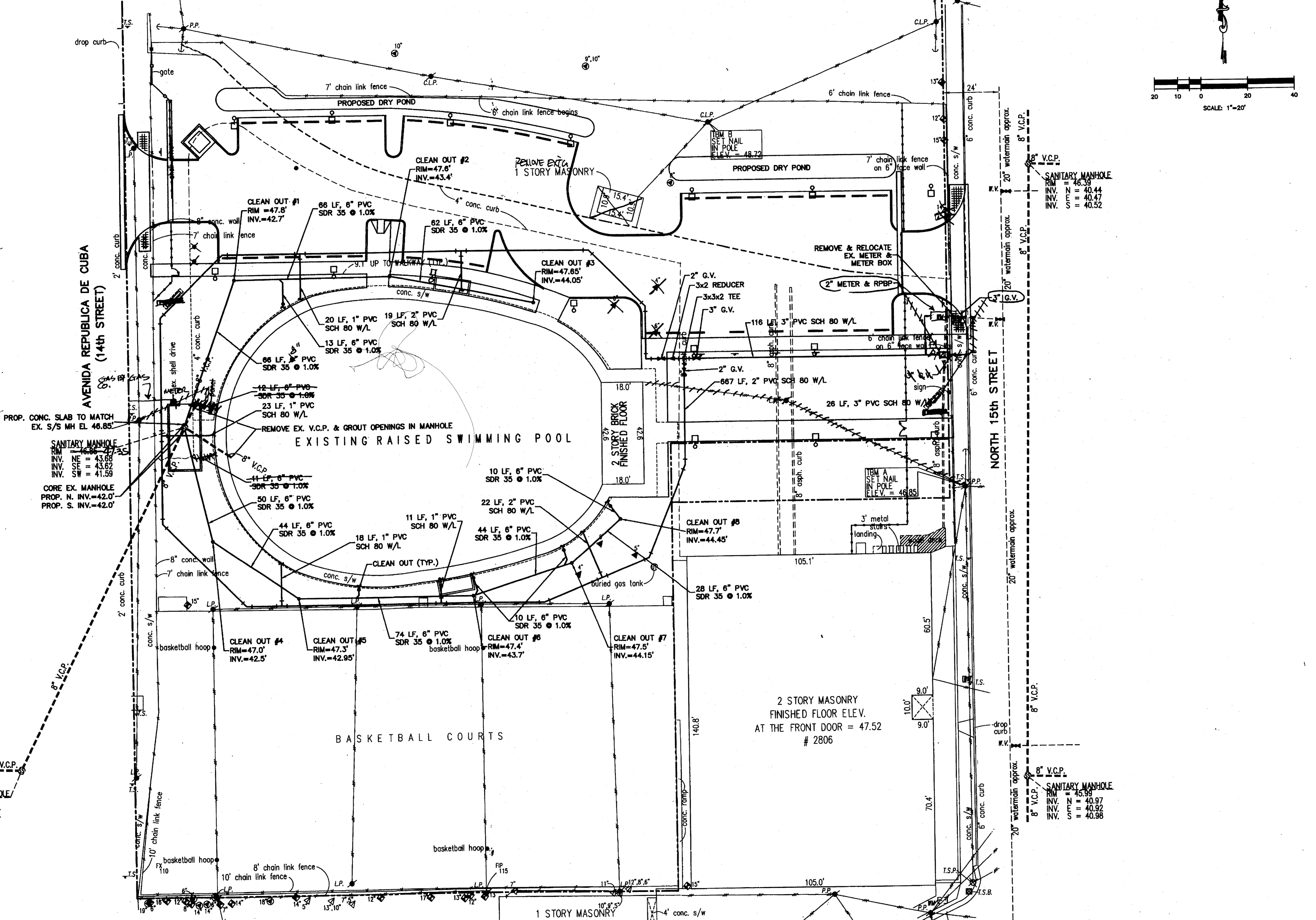
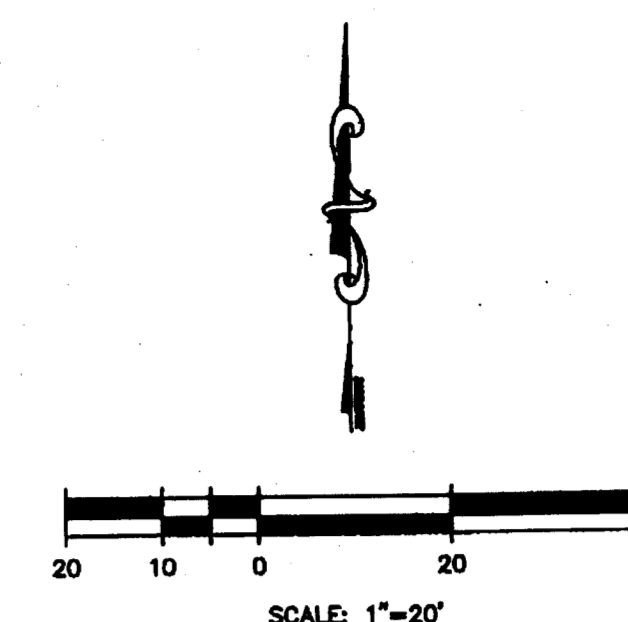
CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00	
Distribution	Date
BID DOCUMENTS	02.02.04
CONTRACT	05.05.04
REVISION 2	05.04.04

PAVING, GRADING & DRAINAGE PLAN



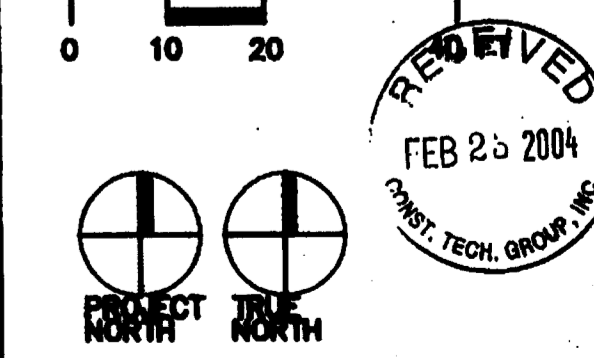
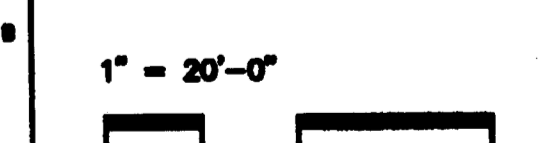


CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

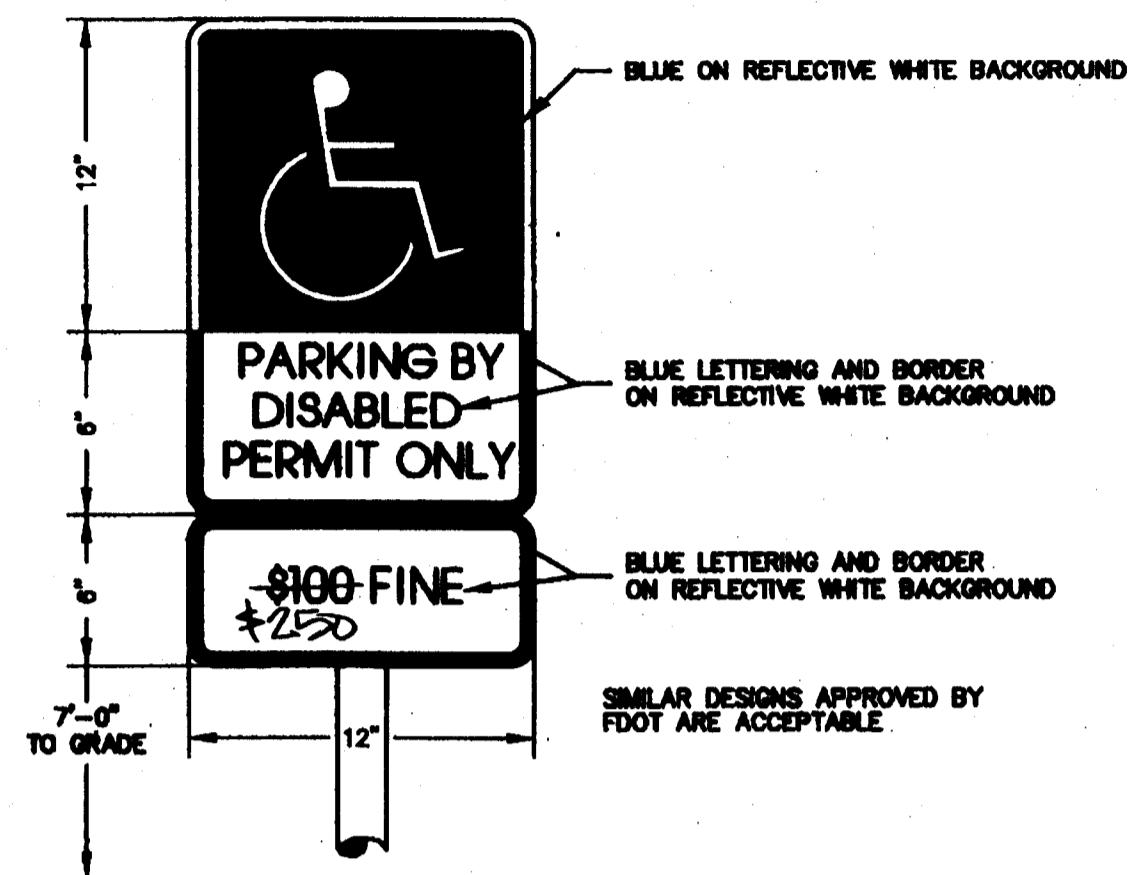
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Distribution	Date
BID DOCUMENTS	02.02.04

UTILITY PLAN

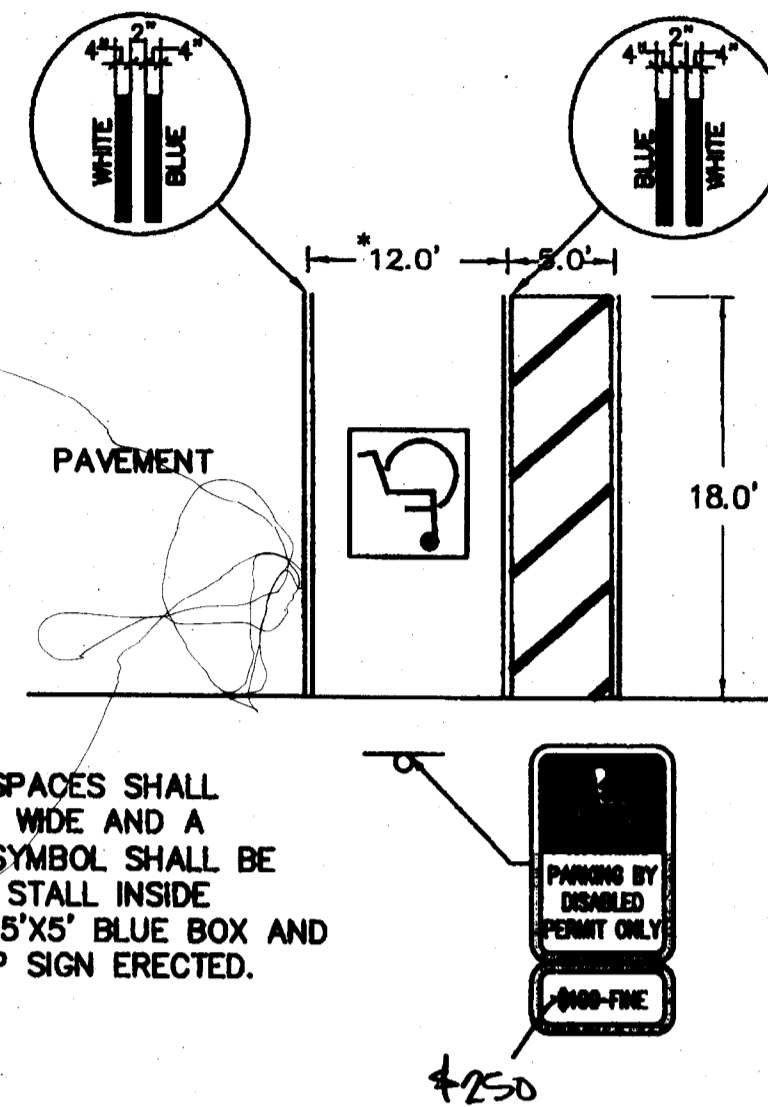


C4 RECORD DWG.

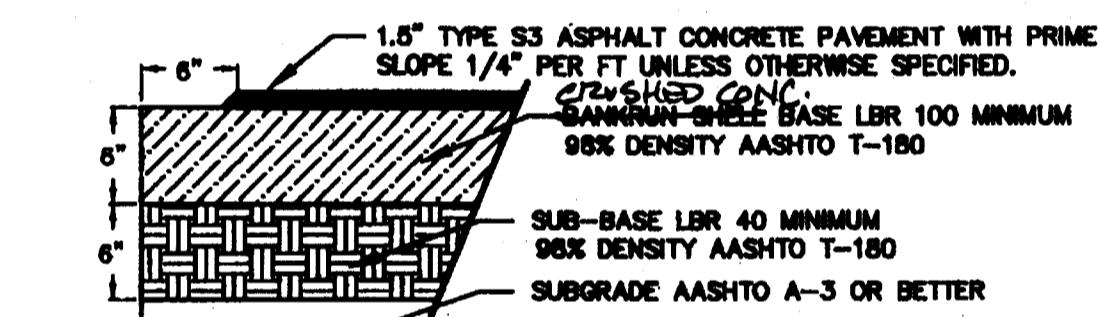
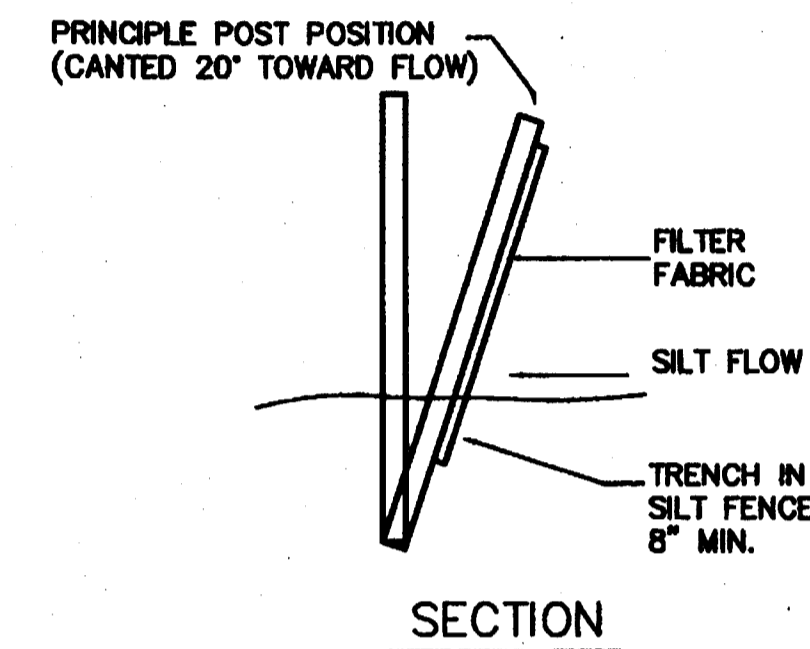
DATE 8/26/05 217



HANDICAPPED SIGN
NOT TO SCALE

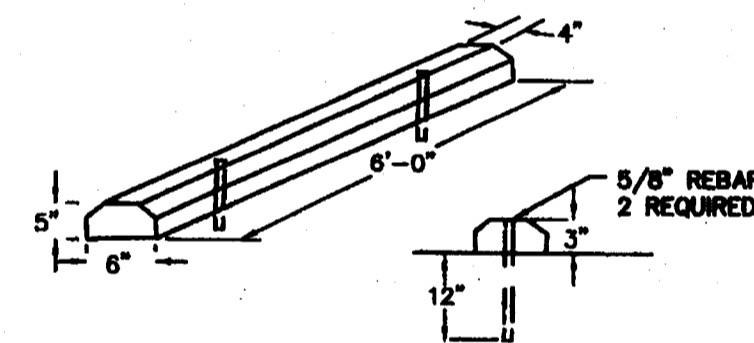


TYPICAL HANDICAP PARKING SPACE DETAIL
NOT TO SCALE

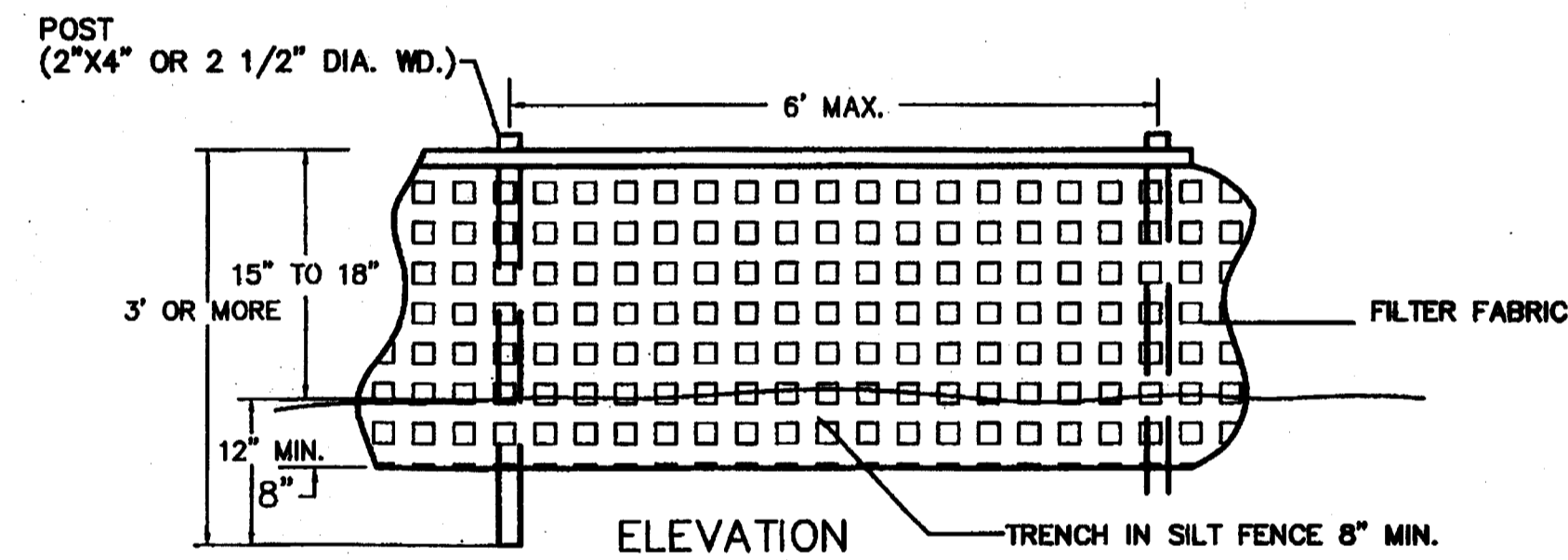


NOTE:
THE SUBGRADE SHALL CONSIST OF A-3 OR BETTER MATERIAL FOR A DEPTH OF 3 FEET BELOW THE SUB-BASE. IF THE SUBGRADE IS REPLACED OR DISTURBED, IT SHALL BE COMPACTED TO 98% T-180 TO THE DEPTH REPLACED OR DISTURBED.
THE SUB-BASE MAY BE STABILIZED IN PLACE TO PROVIDE REQUIRED LBR AND DENSITY.
SANDWICH-BASE MAY BE SUBSTITUTED WITH SOIL CEMENT-CONSISTING OF LOCAL SHELL MATERIAL WITH A MINIMUM LBR VALUE 100 SOURCE SITE MIXED WITH 2 1/2% CEMENT COMPACTED 98% T-180.

TYPICAL ASPHALT PAVEMENT SECTION
NOT TO SCALE

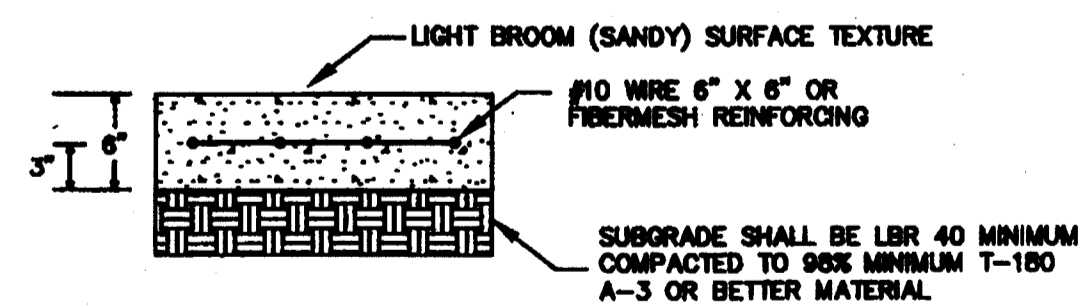


CONC. WHEEL STOP
NOT TO SCALE



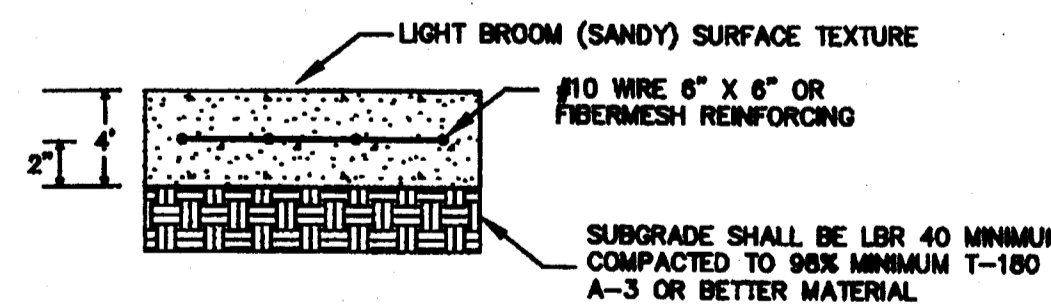
EROSION CONTROL CONSTRUCTION NOTES
CONTRACTOR SHALL PERFORM DAILY INSPECTIONS FOR ANY EXISTING OR POTENTIAL EROSION PROBLEMS AT ANY LOW POINTS DURING CONSTRUCTION. IF ANY EXISTING OR POTENTIAL EROSION PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL INSTALL (SILT FENCES, HAY BALES ETC.) EROSION CONTROL IMMEDIATELY.

TYPICAL SILT FENCE
NOT TO SCALE



NOTE:
1. EXPANSION JOINTS EVERY 400 SQUARE FEET OF CONCRETE PAVEMENT.

TYPICAL CONCRETE PAVEMENT SECTION
NOT TO SCALE



NOTE:
1. EXPANSION JOINTS EVERY 400 SQUARE FEET OF CONCRETE PAVEMENT.

TYPICAL CONCRETE SIDEWALK SECTION
NOT TO SCALE

ROME ARCHITECTS
INCORPORATED
100 Madison Street, Suite 200
Tampa, Florida 33602.4704
www.RomeArchitects.com
Fax: 813.221.8184
813.221.8771
AAC002172

CHARLOTTE ENGINEERING & SURVEYING, INC.
Tampa Office
110 S. Hoover Blvd. Suite 100
Tampa, FL 33608
Telephone No. (813) 286-2580
Fax No. (813) 286-5386

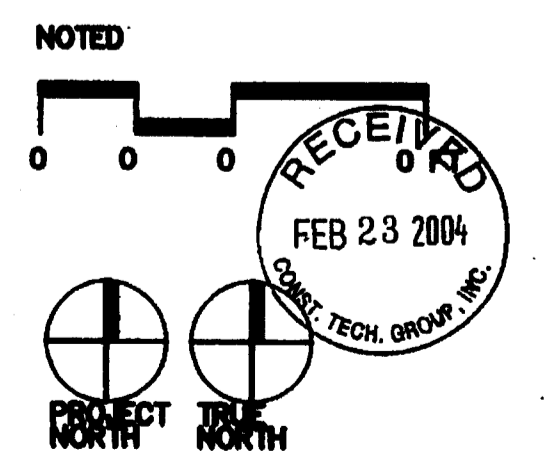
Daniel M. Vickstrom, P.E.
P.E. No. 46090
State of Florida

CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

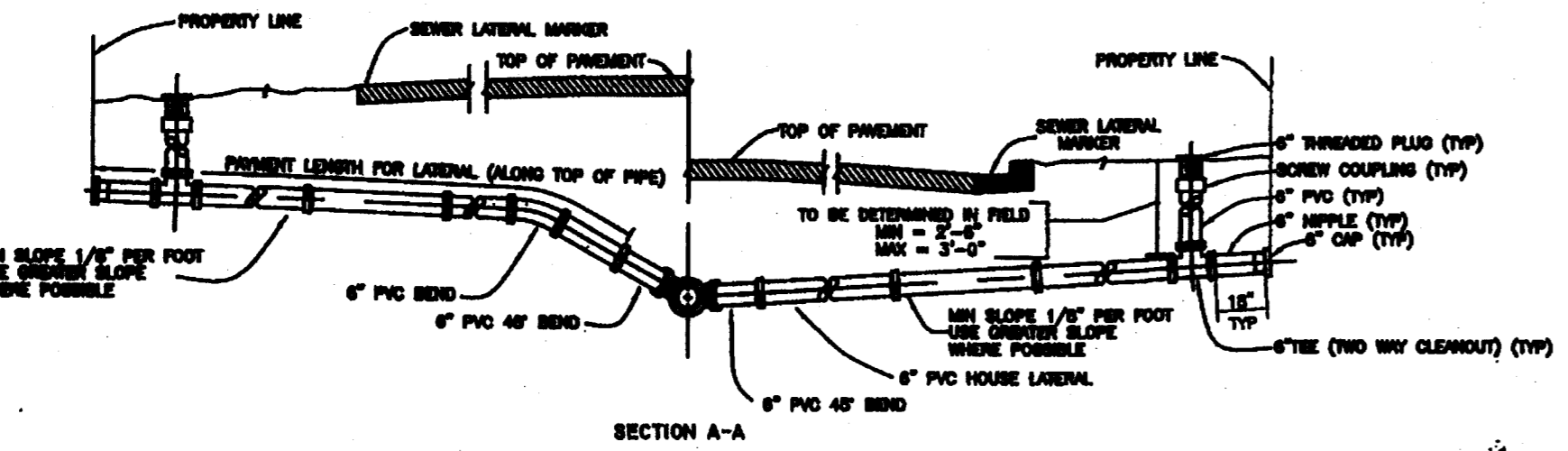
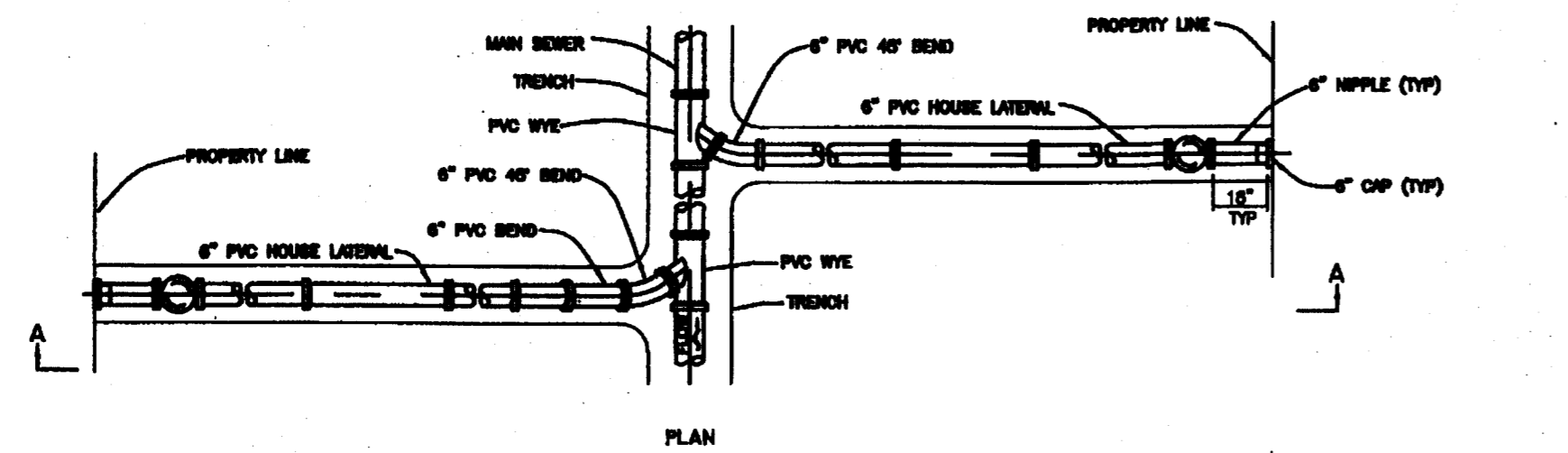
Project No.0202.00	
Distribution	Date
BID DOCUMENTS	02.02.04

CIVIL DETAILS



C5 RECORD DWG.

DATE 8/26/05 217

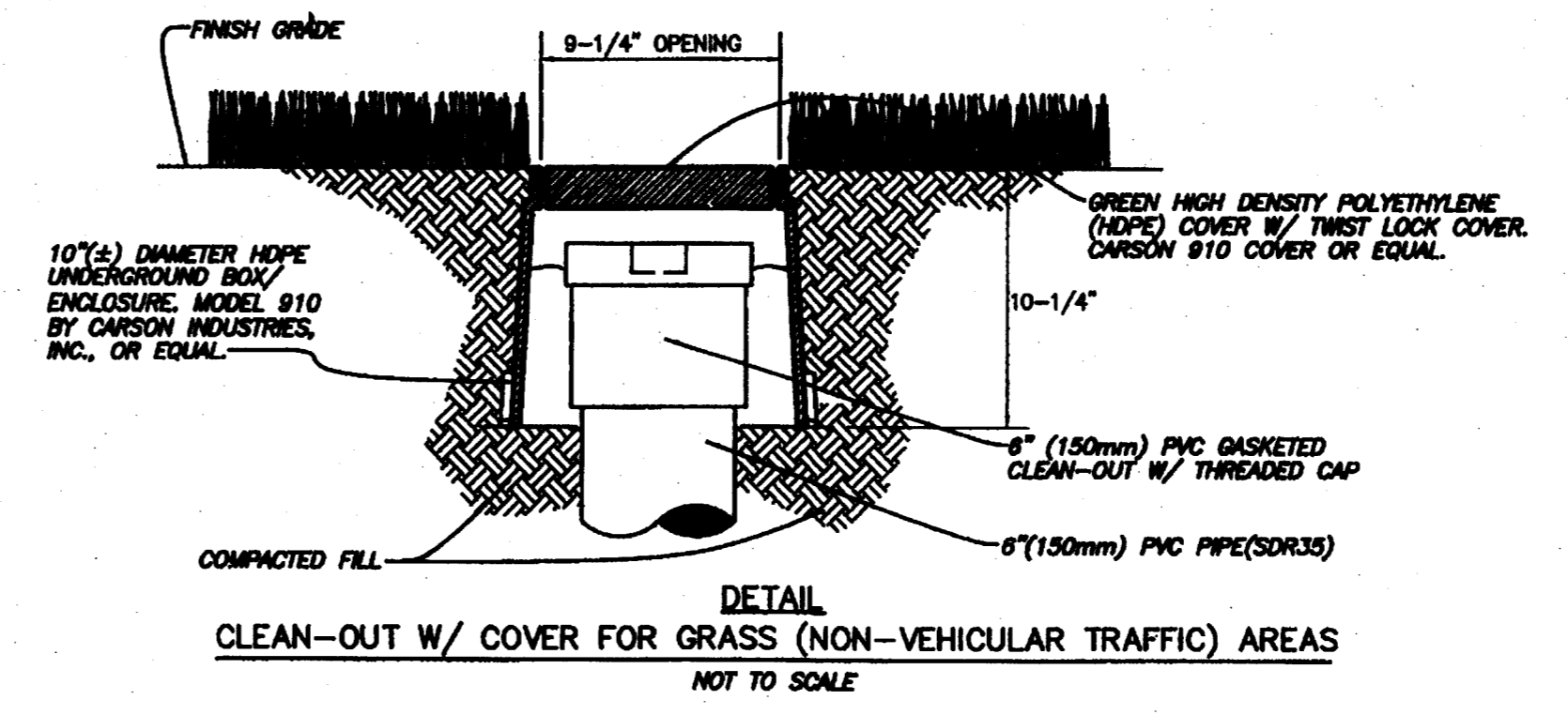


TYPE A HOUSE LATERAL DETAIL
NOT TO SCALE

NOTES

1. THE LOCATIONS OF HOUSE LATERALS BY SYMBOLS ON PLANS ARE APPROXIMATE ONLY AND THE EXACT LOCATION AND DEPTH WILL BE DETERMINED BY THE FIELD BY THE CONTRACTOR WITH THE APPROVAL OF THE ENGINEER.
2. THE MINIMUM DIAMETER OF ALL HOUSE LATERALS SHALL BE 6".
3. HOUSE LATERALS WHICH PASS UNDER DRIVEWAYS SHOULD BE AT LEAST 18" OF COVER OR 24" OF COVER UNDER THE DRIVEWAY. HOUSE LATERALS WHICH PASS UNDER SIDEWALKS SHOULD BE AT LEAST 18" OF COVER UNDER THE SIDEWALK.
4. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE VERIFICATION OF THE LOCATION OF HOUSE LATERALS AND TO THE VERIFICATION OF THE DEPTH OF COVER UNDER DRIVEWAYS AND SIDEWALKS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDRESSING ANY UNUSUAL CONDITIONS.
5. THE MINIMUM CLEARANCE FROM HOUSE LATERALS TO WATER LINES SHALL BE 6" AND TO ALL OTHER UTILITIES SHALL BE 18". IF THE HOUSE LATERAL IS BELOW A WATER LINE AND THE MINIMUM CLEARANCE IS NOT MAINTAINED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY CLEARANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY CLEARANCE TO ALL OTHER UTILITIES.
6. IF THE HOUSE LATERAL MUST PASS OVER ANY UTILITY OTHER THAN A WATER LINE WITH LESS THAN 6" OF CLEARANCE, THE LATERAL SHALL BE INSTALLED IN A 12" DIA. CONCRETE PIPE OR CONCRETE PIPE SHALL BE MADE WITH PERFORATED FLEXIBLE ADAPTERS OR SADDLES.
7. IF THE HOUSE LATERAL MUST PASS UNDER ANY UTILITY OTHER THAN A WATER LINE WITH LESS THAN 18" OF CLEARANCE, THE LATERAL SHALL BE INSTALLED IN A 12" DIA. CONCRETE PIPE OR CONCRETE PIPE SHALL BE MADE WITH PERFORATED FLEXIBLE ADAPTERS OR SADDLES.

CONNECTION DETAIL
NOT TO SCALE



DETAIL
CLEAN-OUT W/ COVER FOR GRASS (NON-VEHICULAR TRAFFIC) AREAS
NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL ADJUST THE CLEAN-OUT AND CAST IRON RING AND COVER OR HDPE BOX AND COVER SO THAT THE COVER IS SEATED SECURELY AND THE TOP OF THE COVER IS FLUSH WITH THE FINISH GRADE. THE PVC CAP OF THE CLEAN OUT SHALL BE NO MORE THAN 4 INCHES DEEPER THAN THE FINISH GRADE.
2. PVC CAP MAY BE PROVIDED WITH RECESSED NUT.
3. CAST IRON COVER SHALL BE PROVIDED WITH AN EMBOSSED LETTER "S" FOR IDENTIFICATION. HDPE COVER SHALL BE MARKED "SEWER" FOR IDENTIFICATION.
4. CAST IRON RING AND COVER, OR HDPE BOX AND COVER, AS WELL AS THE FOUR (4) SQ. FEET OF MATERIAL (CONCRETE OR ASPHALT AROUND THE CLEAN OUT) ARE PART OF THE CLEAN-OUT INSTALLATION AND COST SHALL BE INCLUDED WITHIN THE UNIT PRICE FOR CLEAN-OUT WITH NO ADDITIONAL PAYMENT.
5. ALL CLEAN-OUTS ON THIS PROJECT SHALL BE ONE OF THE TYPES SHOWN ON THIS SHEET. FIELD CONDITIONS WILL DETERMINE WHICH TYPE.

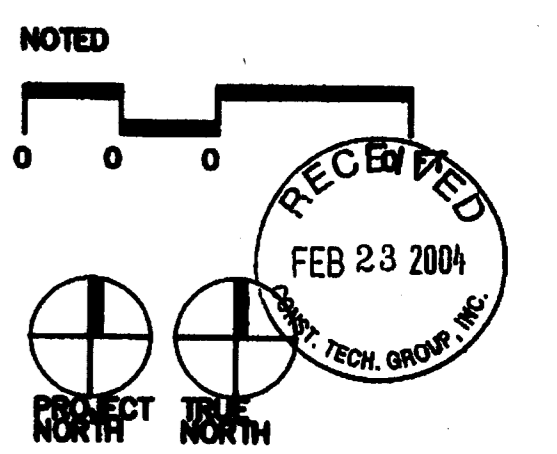
CLEANOUT COVER DETAIL
NOT TO SCALE

CUSCADEN
POOL
RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.0202.00	
Distribution	Date
810 DOCUMENTS	02.02.04

UTILITY DETAILS



C6 RECORD DWG.

DATE 8/26/05 217/009

KEYNOTE LEGEND
INSTANCES OF ALL NOTES ARE TYPICAL
10620 FIRE-PROTECTION SPECIALTIES
10520.A1 Portable Fire Extinguishers
10520.K1 Fire Extinguisher Cabinet

F14 KEYNOTES

PLUMBING FIXTURE TABULATION

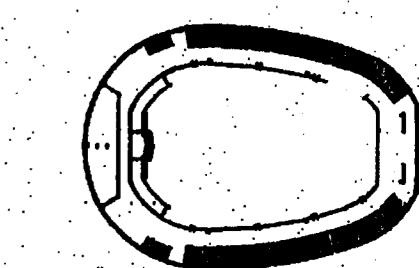
TOILET FIXTURES REQUIRED BY 2001 FLORIDA BUILDING CODE BY ASSOCIATED OCCUPANCY

COUNT BY POOL SF PER CODE			
DISTRIBUTION BY 2001 FLORIDA BUILDING CODE			
POOL SURFACE AREA	7,827 SF	Required	Provided
MEN			
WATER CLOSETS		4	4
URINALS		4	4
LAVATORIES		4	4
WOMEN			
WATER CLOSETS		12	12
LAVATORIES		4	5
DRINKING FOUNTAINS		2	2
RINSE SHOWER		0	0
SHOWER STALLS		0	0

GENERAL NOTES

- A. CONNECTION TO A FUTURE EMERGENCY ELECTRIC POWER: WILL BE PROVIDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- B. ACCESSIBILITY FOR THE DISABLED WILL BE PROVIDED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, CHAPTER 11.
- C. SMOKE DETECTION WILL BE PROVIDED IN ACCORDANCE WITH THE FLORIDA MECHANICAL CODE.
- D. FIRE ALARM SYSTEM WITH VOICE COMMUNICATION & FIRE DEPARTMENT NOTIFICATION WILL BE PROVIDED IN ACCORDANCE WITH GOVERNING CODES.
- E. FIRE EXTINGUISHERS WILL BE PROVIDED IN ACCORDANCE WITH GOVERNING CODES.

Red Bone
07.13.04



CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.0202.00

Distribution	Date
BID DOCUMENTS	02.02.04
REVISION A	07.14.04

CODE COMPLIANCE PLAN
First Floor

RECORD DWG

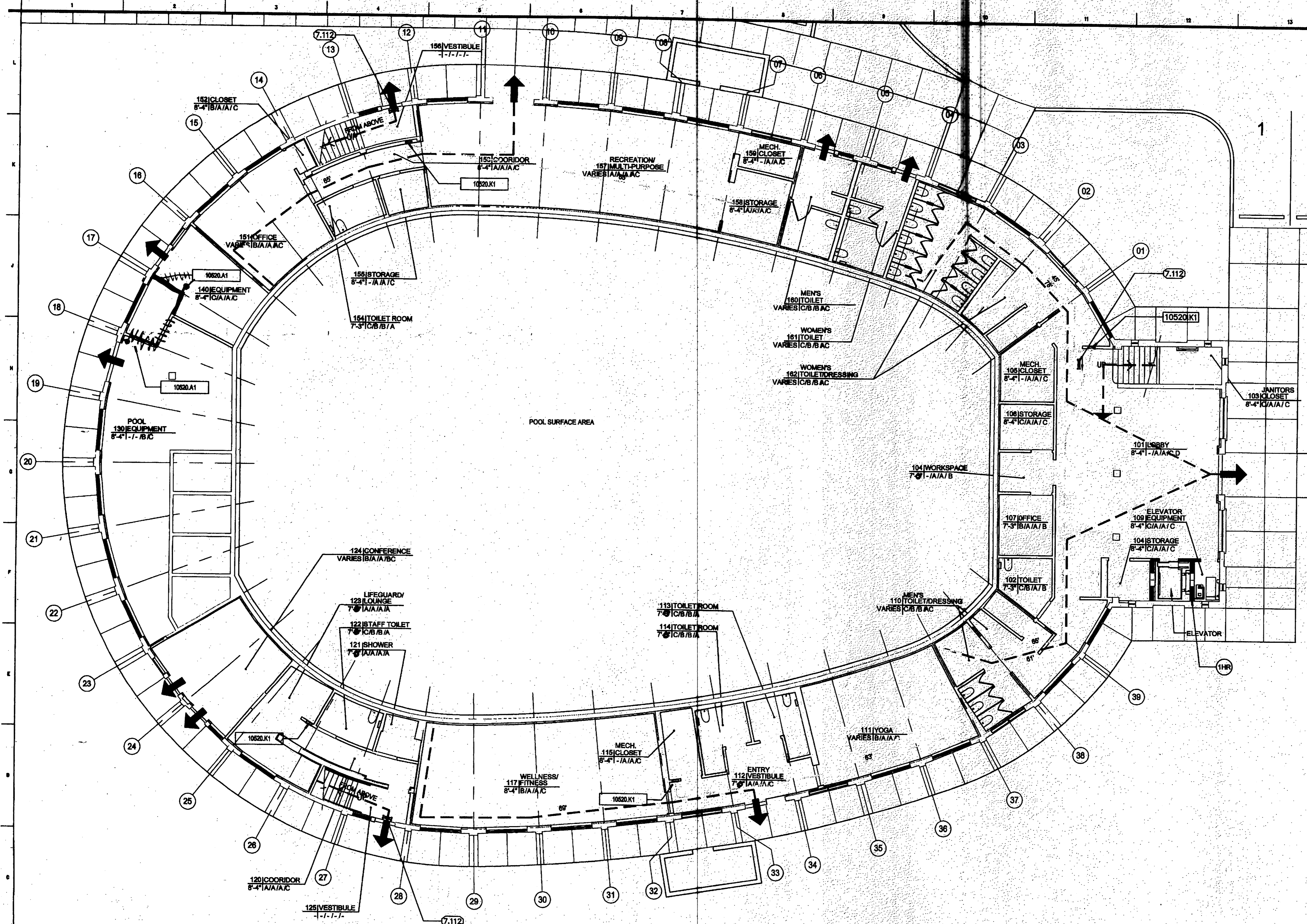
DATE *8/26/05*
REVISED

JUL 16 2004

CITY OF TAMPA
COMMERCIAL PLAN REVIEW

CC101

217
007



A1 CODE COMPLIANCE PLAN - First Floor

1/8"=1'-0"

CODE SUMMARY

CODE AUTHORITY:
FLORIDA BUILDING CODE, 2001
FLORIDA FIRE PREVENTION CODE, 2001
NATIONAL ELECTRIC CODE

OCCUPANCY CLASSIFICATION:
1. NEW BUSINESS: ALL AREAS, 100 GSF/OCCUPANT
FIRST FLOOR: 7,721 GSF = 77 OCCUPANTS
SECOND FLOOR: 633 GSF = 6 OCCUPANTS
2. ASSEMBLY: POOL DECK, 30 GSF/OCCUPANT
POOL SURFACE: 50 GSF/OCCUPANT
POOL DECK: 7,345 GSF = 245 OCCUPANTS
POOL SURFACE: 5,152 GSF = 163 OCCUPANTS
TOTAL PERSONS = 491 PERSONS

TYPE IV CONSTRUCTION, UNPROTECTED, UNSPRINKLERED
HEIGHT LIMIT: 55'-0"
AREA DENSITY: 17,000 SQ FT

EGRESS:
BUSINESS OCCUPANCY, UNSPRINKLERED, MAXIMUMS:
COMMON PATH OF TRAVEL: 75'-0"
DEAD END CORRIDOR: 20'-0"
TRAVEL DISTANCE TO EXIT: 200'-0"
REQUIRED EGRESS CAPACITY: 0.2 / PERSON
(112)(0.2) = 22.4"
LEVEL (RAMPS/DOORS/CORRIDORS)
MINIMUM CORRIDOR WIDTH: 44" (36" IF SERVES LESS THAN 50)
MINIMUM CLEAR OPENING OF EXIT DOORS: 32"
MINIMUM NUMBER OF EXITS: 2

CODE DATA

MAX. HEIGHT ALLOWED:
MAX. NO. OF STORIES ALLOWED:
MAX. TRAVEL DIST. TO EXIT ALLOWED: 200 FT.
MAX. AREA ALLOWED:
MIN. OCCUPANT LOAD:

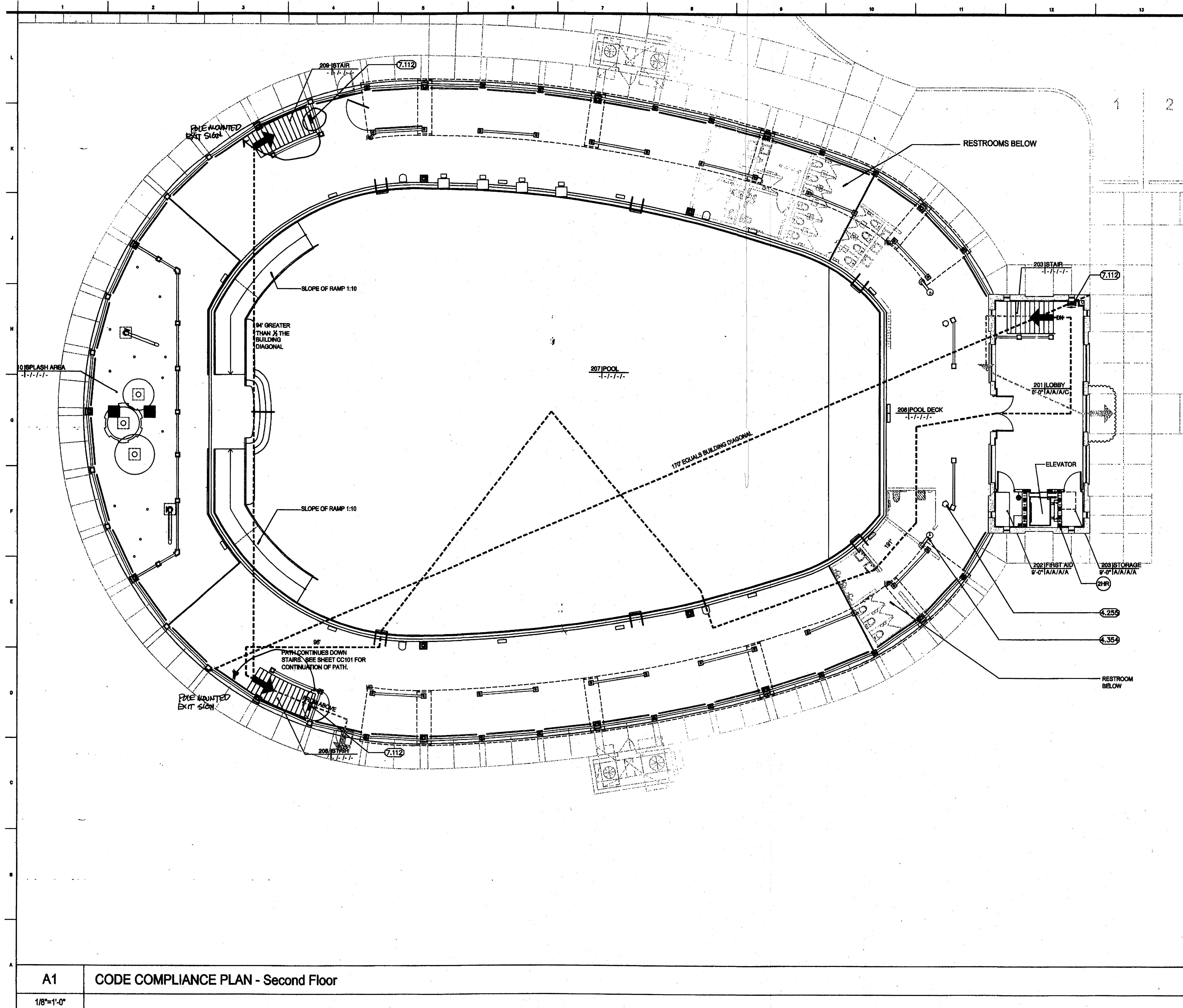
BUILDING AREA

GROSS BUILDING AREA:
FIRST FLOOR: 7,721 SF
SECOND FLOOR: 633 SF
POOL DECK: 7,345 SF
POOL SURFACE: 5,152 SF
TOTAL: 23,851 SF

DRAWING LEGEND - LIFE SAFETY

- PRIMARY EXIT
- TWO HOUR FIRE RATED WALL OR PARTITION
- EXIT TRAVEL DISTANCE
- TRAVEL DISTANCE TO FIRE EXTINGUISHERS
- 1 HR 1 HOUR, B-LABEL FIRE RATED DOOR
- EXIT LIGHT
- FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
- WALL MOUNTED FIRE EXTINGUISHER

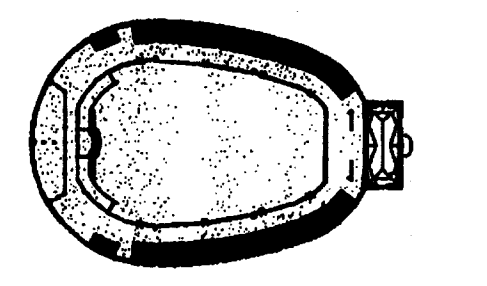
A14 LEGENDS



GENERAL NOTES
 7.000 ELECTRICAL
 7.112 exit light fixture

F14 KEYNOTES

ROWE ARCHITECTS
 INCORPORATED
 100 Madison Street, Suite 200
 Tampa, Florida 33602.4704
 www.RoweArchitects.com
 Fax: 813.221.9154
 813.221.8771
 AAC002172



CUSCADEN POOL RENOVATION

CITY OF TAMPA
 308 East Jackson Street
 Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
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CODE COMPLIANCE PLAN
 First Floor
RECORD DWG
 DATE 2/26/05

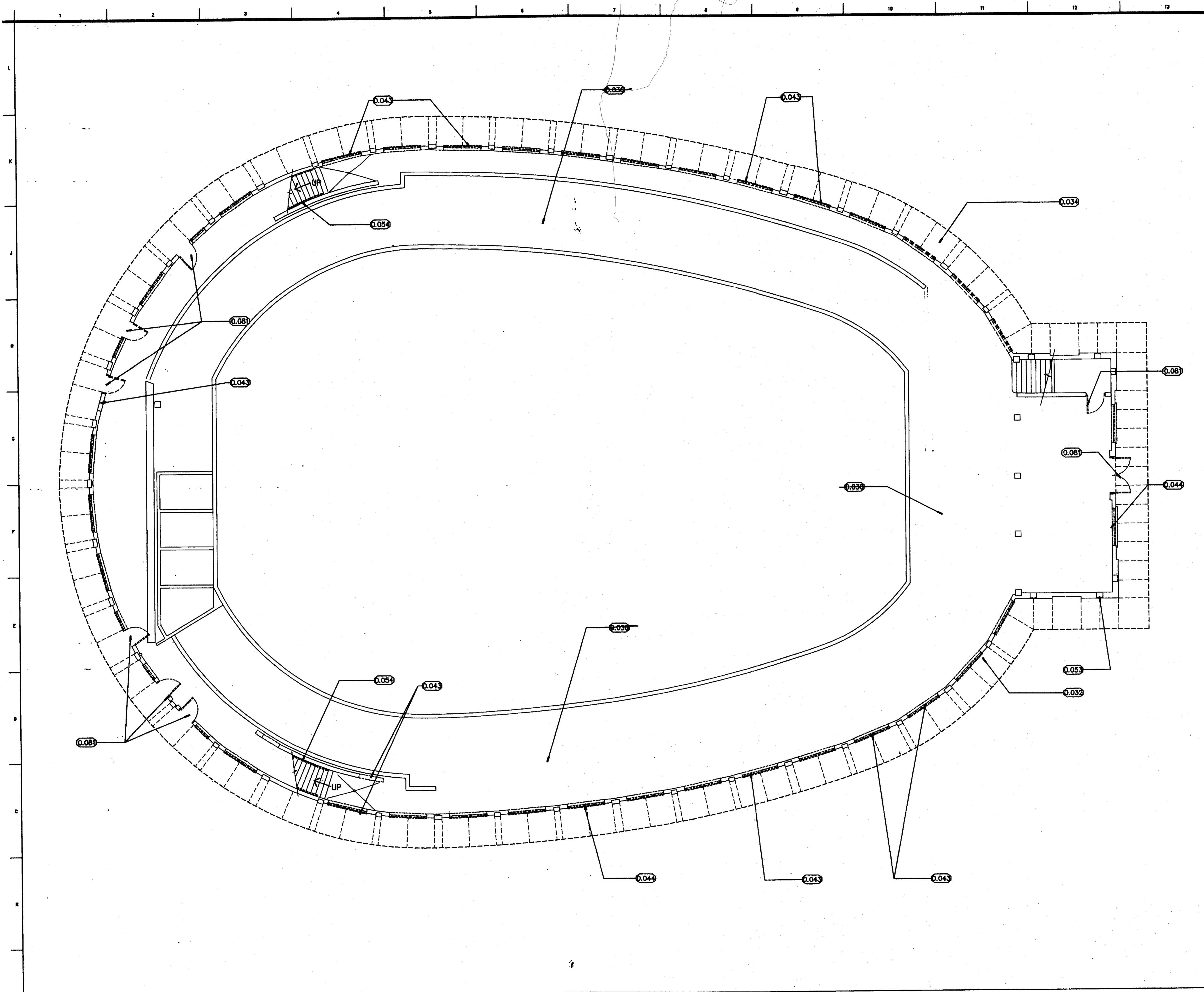
- DRAWING LEGEND - LIFE SAFETY**
- ➔ PRIMARY EXIT
 - ⋯ TWO HOUR FIRE RATED WALL OR PARTITION
 - TWO HOUR FIRE RATED WALL OR PARTITION
 - ➔--- EXIT TRAVEL DISTANCE
 - 1 HR 1 HOUR, B-LABEL FIRE RATED DOOR
 - ☐ EXIT LIGHT
 - ☒ FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
 - WALL-MOUNTED FIRE EXTINGUISHER



A1 CODE COMPLIANCE PLAN - Second Floor
 1/8"=1'-0"

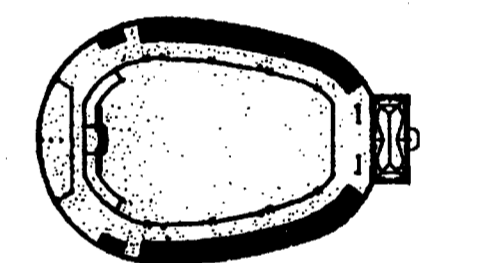
A14 LEGENDS

CC102



- GENERAL NOTES**
- 0.000 DEMOLITION
 - 0.032 line of pool deck slab above
 - 0.034 remove existing concrete sidewalk, typical
 - 0.036 patch - create end - imperfections on underside existing pool deck slab
 - 0.043 remove existing masonry as required for new opening
 - 0.044 remove existing concrete louver
 - 0.053 remove existing steel plate
 - 0.054 remove existing handrail
 - 0.081 remove existing door and frame

F14 KEYNOTES



CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

DEMO PLAN
First Floor

RECORD DWG.

DATE 8/26/05

A1 FLOOR PLAN - First Floor

A14 LEGEND / NOTES

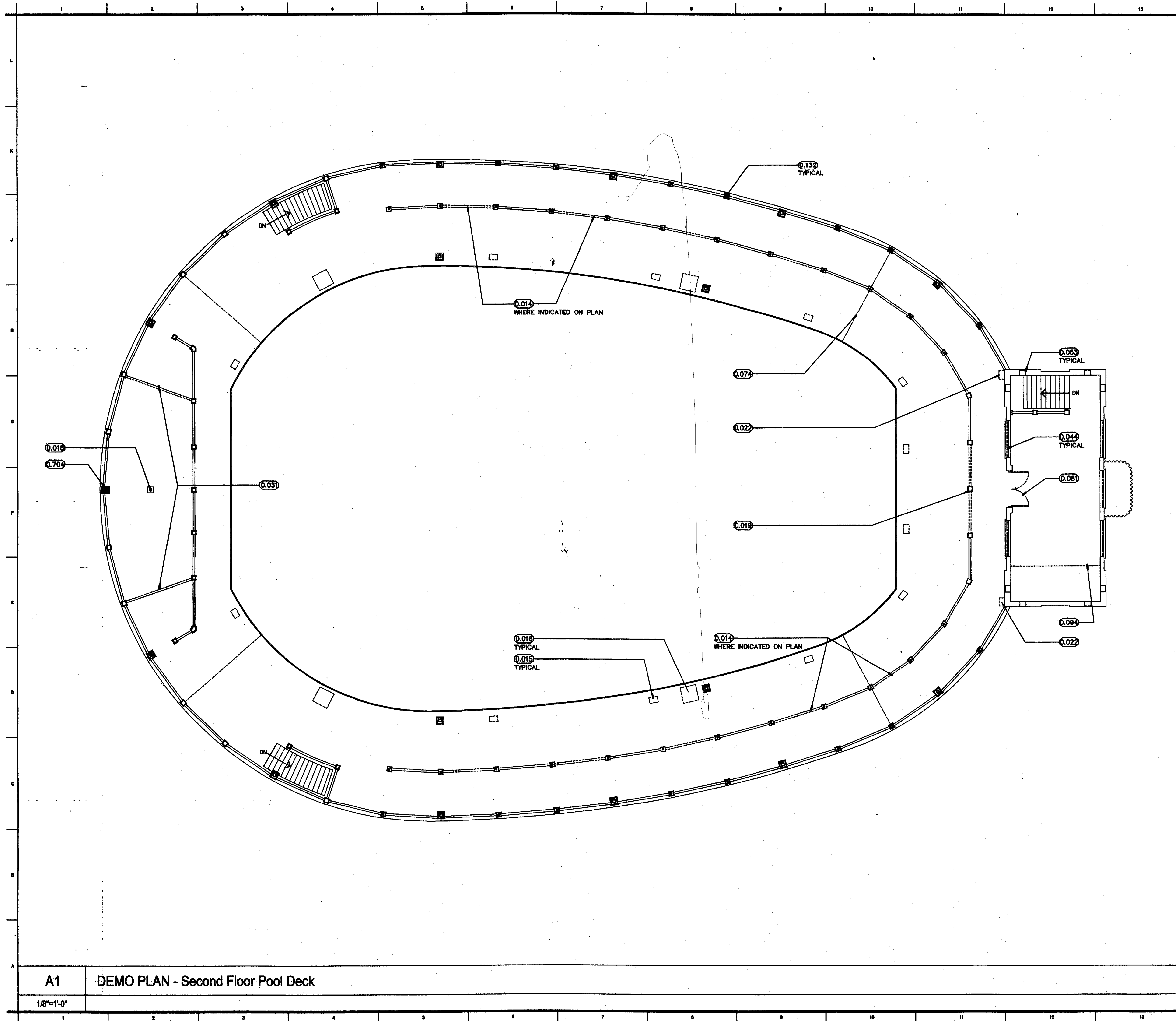
1/8"=1'-0"

PROJECT NORTH TRUE NORTH

RECEIVED FEB 23 2004

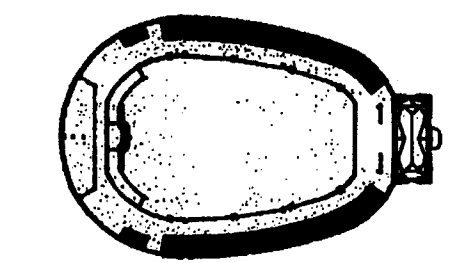
D101

2/7 009



- GENERAL NOTES**
- 0.000 DEMOLITION
 - 0.014 remove existing railings and curbs, typical
 - 0.015 remove existing pool depth markers, typical
 - 0.016 remove existing lifeguard stands, typical
 - 0.018 remove existing drain to slab level
 - 0.019 remove existing balluster
 - 0.022 remove existing light fixture
 - 0.031 remove curb to exist pool deck level
 - 0.044 remove existing concrete louver
 - 0.053 remove existing metal plate
 - 0.074 remove existing expansion joint sealant, typical
 - 0.081 remove existing door and frame
 - 0.094 remove existing raised floor
 - 0.132 existing concrete poles to remain
 - 0.704 remove existing light fixture

F14	KEYNOTES
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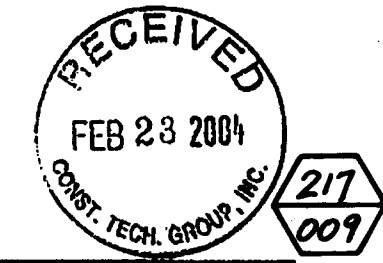
CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

DEMO PLAN
Second Floor
Pool Deck

RECORD DWG.
DATE 8/26/05

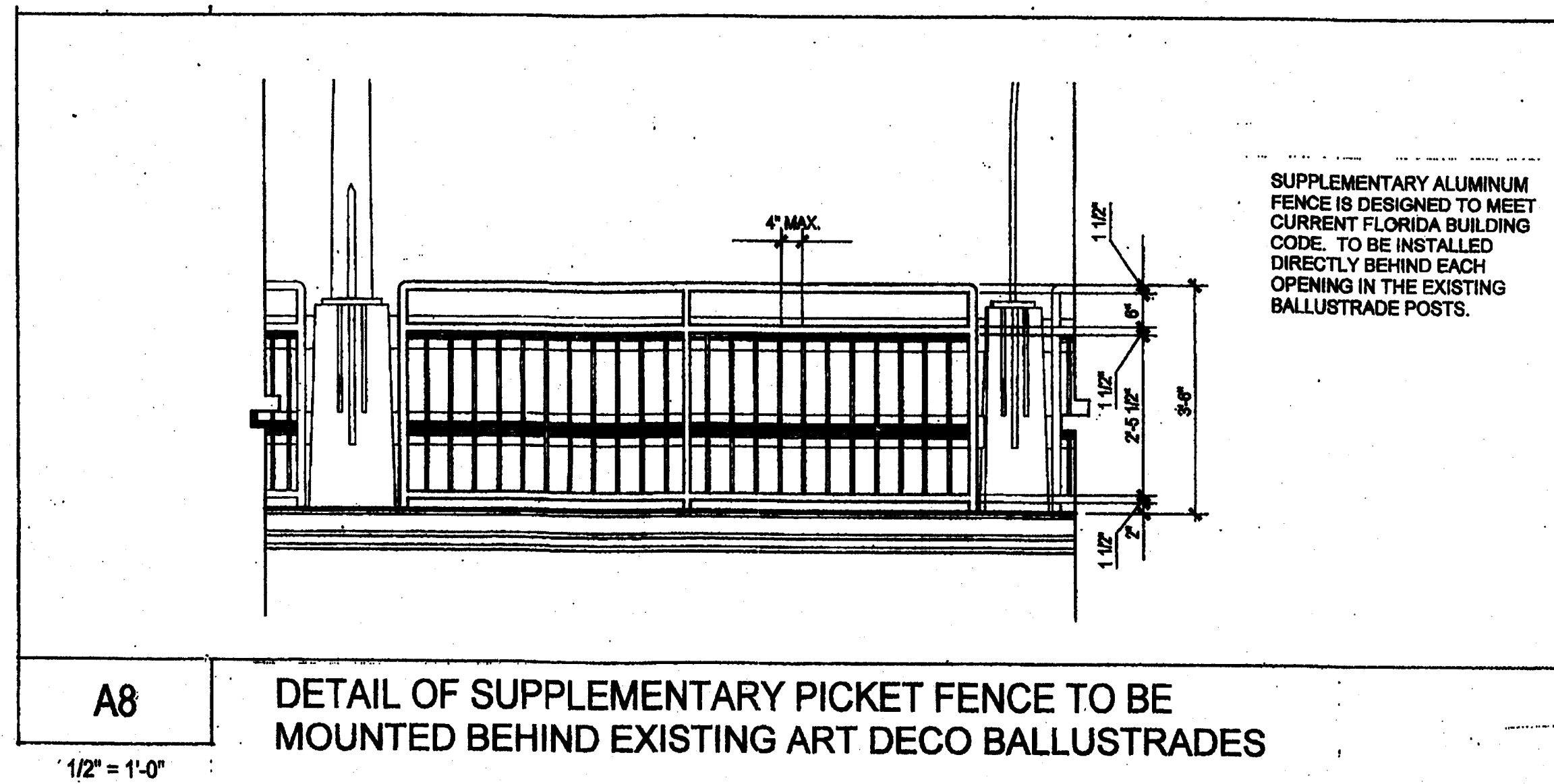
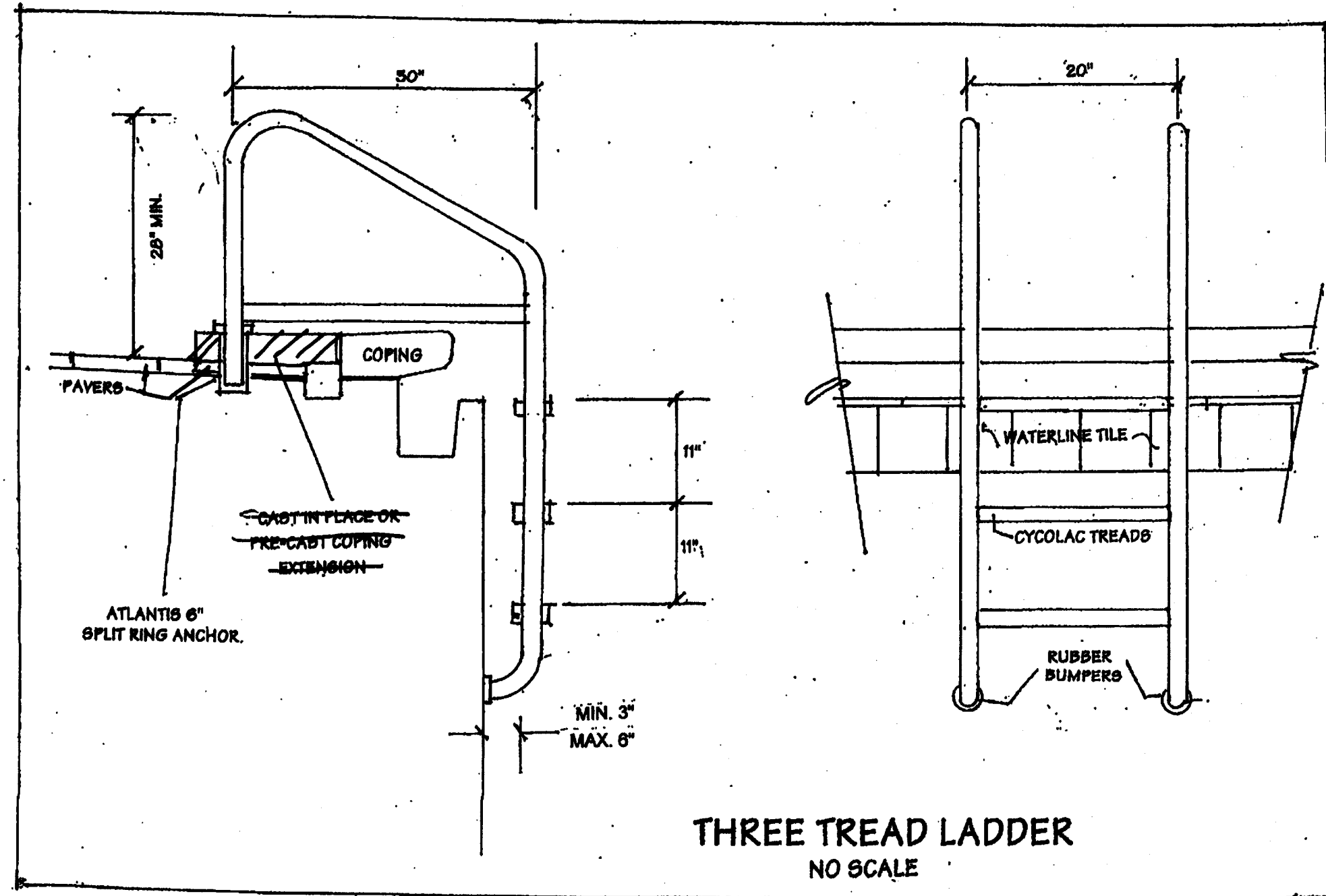
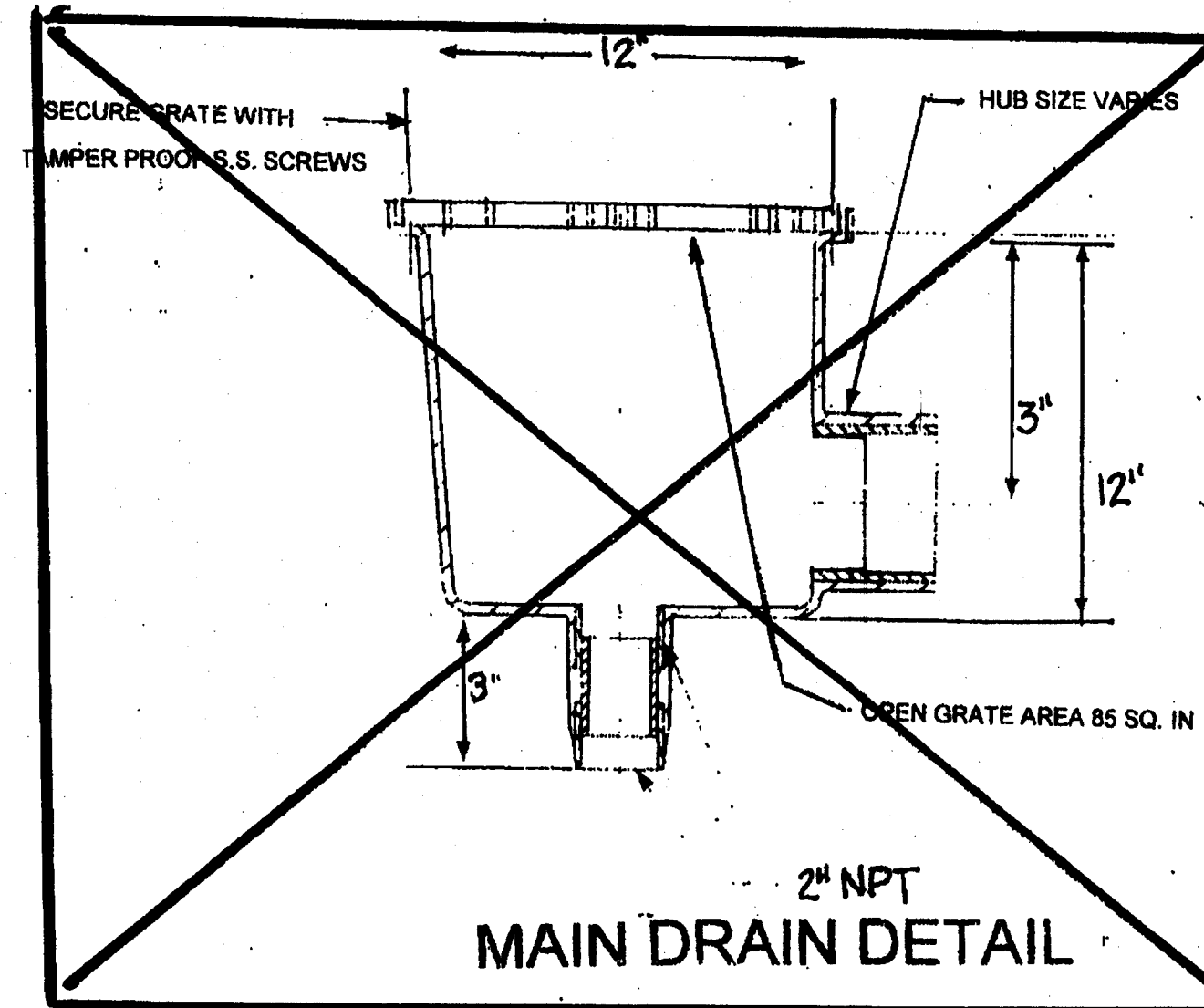
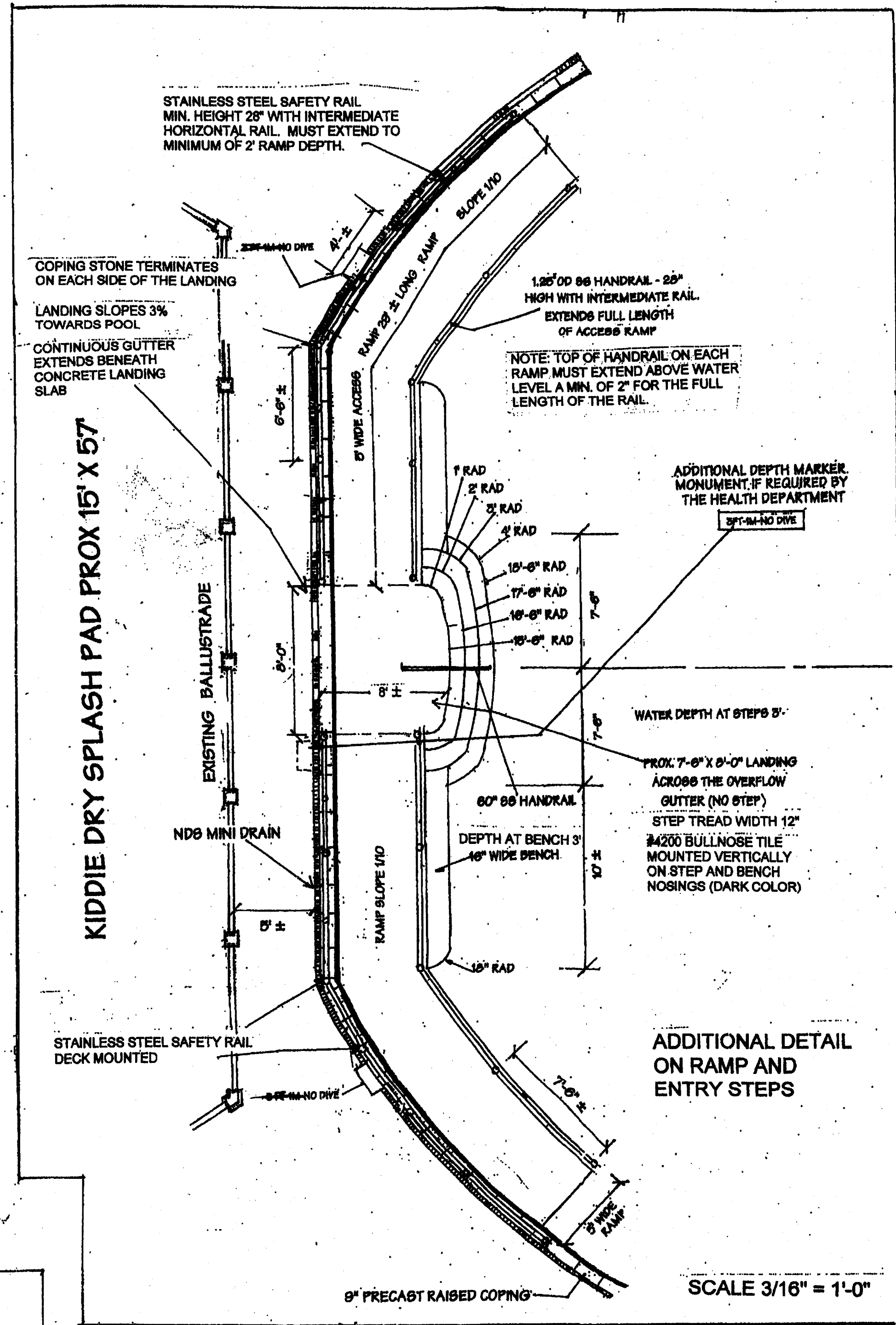
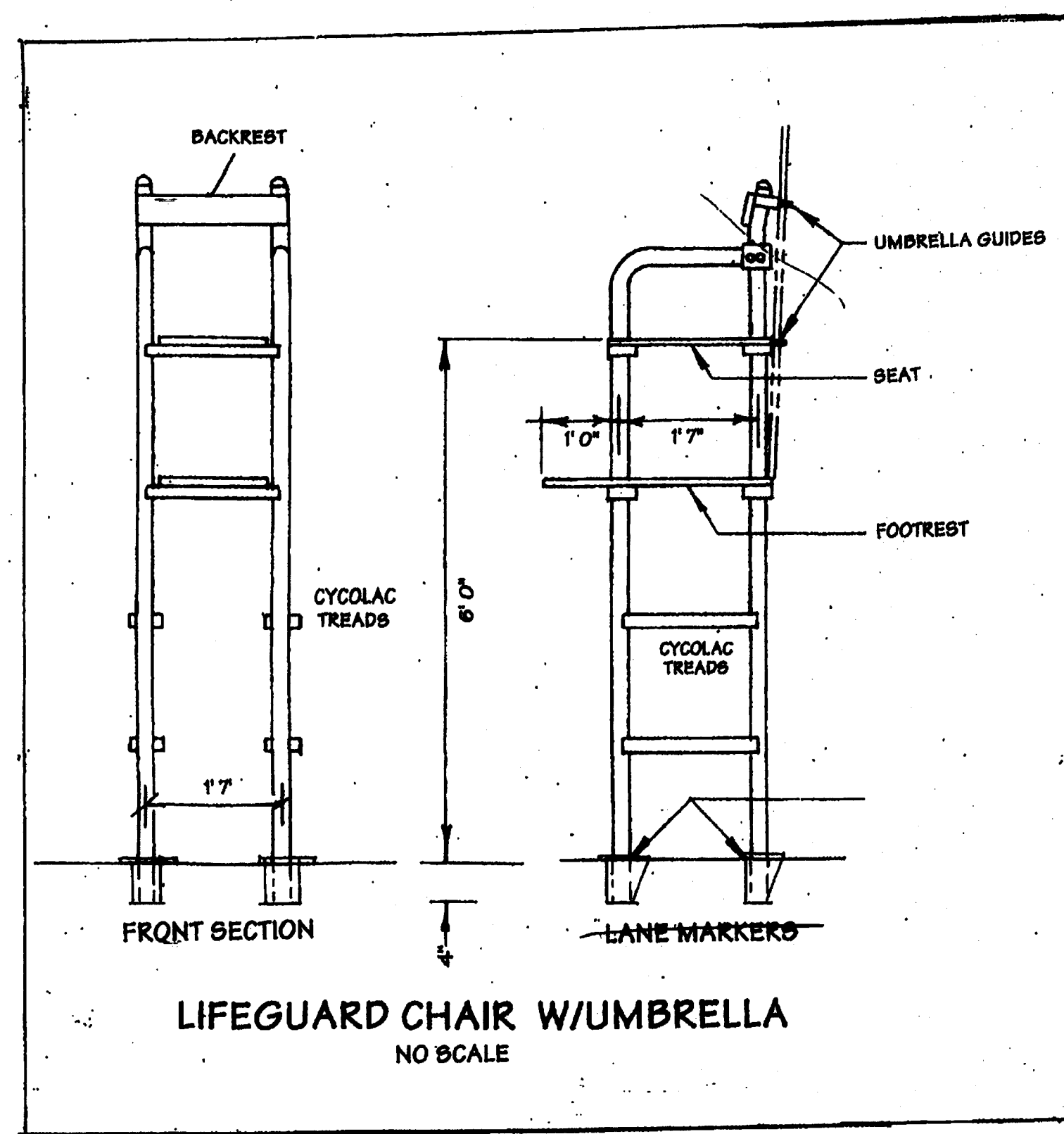


A1 DEMO PLAN - Second Floor Pool Deck

1/8"=1'-0"

A14 LEGEND / NOTES

D102



PICKET FENCE DETAIL, ADDITIONAL RAMP, STEP DETAIL, LADDER AND LIFE GUARD CHAIR DETAIL

Silcox Engineering, Inc. Civil Engineering
 ERNEST S. SILCOX P.E. #0008161
 Post Office Box 8574
 Tampa, FL 33674 813/920-9192

[Handwritten signature]
 11-4-04

RECORD DWG.
 DATE 8/26/05

APPROVED
 HILLSBOROUGH COUNTY HEALTH DEPARTMENT

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING AND NOTES
	TYPICAL LIGHTING SYMBOL NOTES 1. UPPER CASE LETTER INDICATES FIXTURE TYPE, SEE FIXTURE SCHEDULE. 2. LOWER CASE LETTER INDICATES SWITCHED LEG. 3. SHARED FIXTURE SYMBOL INDICATES EMERGENCY FIXTURE. 4. "M" INDICATES NIGHT LIGHT CIRCUIT.	
● ○	CEILING OUTLET FOR INCANDESCENT, "PL" FLUORESCENT OR HIGH INTENSITY DISCHARGE DISCHARGE EQUIVALENT FIXTURE.	SEE FIXTURE SCHEDULE
● ○	WALL OUTLET FOR INCANDESCENT, "PL" FLUORESCENT OR HIGH INTENSITY FIXTURE (WALL SCENE, WALL PAD)	SEE FIXTURE SCHEDULE
○ ○	CEILING OUTLET FOR 2"x4" FLUORESCENT FIXTURE.	SEE FIXTURE SCHEDULE
○ ○	CEILING OUTLET FOR 2"x2" FLUORESCENT FIXTURE.	SEE FIXTURE SCHEDULE
○ ○	CEILING OUTLET FOR 1"x4" FLUORESCENT FIXTURE (SURFACE, RECESSED, VAPORFIX, VAPOR-PROOF)	SEE FIXTURE SCHEDULE
○ ○	CEILING OUTLET FOR FLUORESCENT FIXTURE (PENDANT MOUNT, CHANNEL, INDUSTRIAL)	SEE FIXTURE SCHEDULE
○ ○	CEILING OUTLET FOR SINGLE FACE EXIT LIGHT FIXTURE, ARROW INDICATES DIRECTION	SEE FIXTURE SCHEDULE
○ ○	CEILING OUTLET FOR DOUBLE FACE EXIT LIGHT FIXTURE, ARROW INDICATES DIRECTION	SEE FIXTURE SCHEDULE
S	SINGLE POLE SWITCH	48" AFF U.D.M.
S ₃	THREE WAY SWITCH	48" AFF U.D.M.
S ₄	FOUR WAY SWITCH	48" AFF U.D.M.
S _H	MOTOR RATED SWITCH WITHOUT THERMAL OVERLOADS FOR FRACTIONAL HORSEPOWER MOTORS.	
S _{SC}	SPEED CONTROL	
S _K	SINGLE POLE SWITCH KEY OPERATED	48" AFF U.D.M.
S _J	WALL BOX TYPE DIMMER SWITCH PROVIDE DIMMING BALLAST WHERE REQUIRED.	48" AFF U.D.M.
	TYPICAL RECEPTACLE, OUTLET AND JUNCTION BOX SUFFIX LEGEND: EVC = ELECTRIC WATER COOLER EWH = ELECTRIC WATER HEATER GFI = GROUND FAULT INTERRUPTER EX = EXPLOSION PROOF UP = UP (CONDUIT) DN = DOWN (CONDUIT) E = EXISTING IG = ISOLATED GROUND D = DIVER R = RANGE VP = WEATHERPROOF PS = PAYPHONE STATION REF = REFRIGERATOR P = PEDESTAL	
□	DUPLEX RECEPTACLE (GSA, 120V).	FLUSH FLOOR OUTLET
□	DUPLEX RECEPTACLE (GSA, 120V).	MIN. 16" AFF U.D.M.
□	DUPLEX RECEPTACLE (GSA, 120V), ABOVE COUNTER.	48" AFF, ABOVE COUNTER BACKSLASH U.D.M.
□	DOUBLE DUPLEX RECEPTACLE (GSA, 120V), FLOOR.	FLUSH FLOOR OUTLET
□	DOUBLE DUPLEX RECEPTACLE (GSA, 120V).	16" AFF U.D.M.
□	RANGE RECEPTACLE, 30A, 250V, ONE PHASE, FOUR WIRE.	4" AFF U.D.M.
□	DRYER RECEPTACLE, 30A, 250V, ONE PHASE, FOUR WIRE.	36" AFF U.D.M.
□	SPECIAL PURPOSE RECEPTACLE, AMPS, VOLTS AND WIRE AS NOTED.	18" AFF U.D.M.
□	JUNCTION OR OUTLET BOX, 4" SQUARE BOX U.D.M.	AS NOTED
□	FLOOR MOUNTED JUNCTION OR OUTLET BOX, 4" SQUARE BOX U.D.M.	AS NOTED
30/3	NON-FUSIBLE DISCONNECT SWITCH, 30A, 3 POLE, U.D.M.	SEE SPECIFICATIONS
60/40/3	FUSIBLE DISCONNECT SWITCH, AMPS/FUSE SIZE/NO. POLES AS NOTED.	SEE SPECIFICATIONS
□	COMBINATION MAGNETIC MOTOR STARTER	SEE SPECIFICATIONS
□	VARIABLE FREQUENCY DRIVE	
□	MOTOR, NUMERAL INDICATES HORSEPOWER	BY OTHER DIVISION
□	ELECTRIC DUCT HEATER	BY OTHER DIVISION
□	VARIABLE AIR VOLUME CONTROL	
T	DRY TYPE TRANSFORMER, SIZE AS SHOWN ON RISER	FLOOR OR AS NOTED
□	PANELBOARD, 120/200V, 3 PH, 4W	6'-6" AFF MIN. TO TOP
□	TELEPHONE TERMINAL CABINET	MIN. 6'-6" MIN. TO TOP
□	TELEPHONE TERMINAL BOARD, AS NOTED	6'-6" AFF MIN. TO TOP
○ UP	RACEWAY RISER, UP OR DOWN AS NOTED.	SEE SPECIFICATIONS
○	RACEWAY CONCEALED UNDER FLOOR, IN SLAB OR BELOW GRADE	SEE SPECIFICATIONS
○	RACEWAY CONCEALED IN WALL OR CEILING	SEE SPECIFICATIONS
○	NUMERAL TO PANEL, LETTERS INDICATE PANEL, NUMBERS INDICATE CIRCUITS.	SEE SPECIFICATIONS

NOTE: NOT ALL SYMBOLS SHOWN IN THIS LEGEND MAY NECESSARILY APPEAR IN THESE DOCUMENTS. ADDITIONAL SYMBOLS MAY BE DEFINED ELSEWHERE IN SPECIFIC DRAWINGS.

Legend - Electrical

N.T.S.

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING AND NOTES
	TYPICAL FIRE ALARM DEVICE SUFFIX LEGEND: F = FLASHING STROBE LIGHT S = SUPPLY R = RETURN	
◇	FIRE ALARM HEAT DETECTOR	CEILING, U.D.M.
◇	FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR	CEILING, U.D.M.
◇	FIRE ALARM PHOTOELECTRIC DETECTOR, INSIDE DUCT.	DUCT
F	FIRE ALARM MANUAL PULL STATION	48" AFF TO TOP, U.D.M.
R	FIRE ALARM SYSTEM FAN OR AHU SHUTDOWN OR RUN RELAY	
◇ TL	FIRE ALARM DUCT SMOKE DETECTOR TEST SWITCHES & LIGHTS, ONE PER SMOKE DUCT DETECTOR	48" AFF TO TOP, U.D.M.
FK	FIRE ALARM HORN (WEATHER PROOF WHEN INSTALLED OUTDOORS)	6'-0" AFF TO TOP, U.D.M.
F	FIRE ALARM HORN/FLASHING STROBE LIGHT.	8'-0" AFF TO TOP, U.D.M.
◇	FIRE ALARM WITH FLASHING STROBE LIGHT.	8'-0" AFF TO TOP, U.D.M.
FACP	FIRE ALARM CONTROL PANEL.	MIN. 6'-6" MIN. TO TOP
FARA	FIRE ALARM REMOTE ANNUNCIATOR PANEL.	MIN. 6'-6" MIN. TO TOP
FATC	FIRE ALARM TERMINAL CABINET	MIN. 6'-6" MIN. TO TOP
FAS	FIRE ALARM PULL STATION SIGN - FOR INTERIOR MOUNTED STATION	MIN. 4'-8" MIN. TO TOP
◇ ER	FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR WITH ELEVATOR RECALL CONTACTS.	CEILING, U.D.M.
IS	FIRE ALARM WATER TAMPON SWITCH.	48" AFF TO TOP, U.D.M.
FS	FIRE ALARM WATER FLOW SWITCH.	48" AFF TO TOP, U.D.M.
□	SOUND SYSTEM CALL IN SWITCH.	MIN. 4'-8" TO TOP, U.D.M.
EPD	EMERGENCY POWER OFF SWITCH WITH LEGEND PLATE IDENTIFYING IT AS "EMERGENCY POWER OFF."	MIN. 4'-8" TO TOP, U.D.M.
EDD	EMERGENCY POWER EMERGENCY EXHAUST FAN ON SWITCH WITH LEGEND PLATE IDENTIFYING IT AS "EMERGENCY EXHAUST ON."	MIN. 4'-8" TO TOP, U.D.M.
PRS	POWER RESTORE SWITCH WITH LEGEND PLATE IDENTIFYING IT AS "POWER RESTORE SWITCH."	MIN. 4'-8" TO TOP, U.D.M.
□	MECHANICALLY HELD 6 POLE CONTACTOR WITH 120V COIL CLEARING CONTACTS MOUNTED IN NEMA-1 ENCLOSURE ABOVE SUSPENDED CEILING.	MOUNTED ABOVE CEILING
□	(1) RJ-45 OUTLET ORANGE ICON FOR VOICE TERMINATION	16" AFF, U.D.M.
□	(2) RJ-45 OUTLETS (1) WITH ORANGE ICON FOR VOICE TERMINATION AND (2) WITH BLUE ICON FOR DATA TERMINATION.	16" AFF, U.D.M.
22	REFER TO LIKE NUMBERED KEY NOTES.	

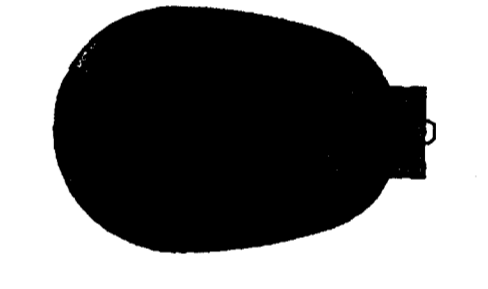
- ### GENERAL NOTES ELECTRICAL
- DO NOT SCALE FROM THESE DRAWINGS.
 - ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
 - COORDINATE WORK WITH ALL OTHER TRADES TO ASSURE PROPER CLEARANCES FOR EQUIPMENT AND TO KEEP THE JOB PROGRESSING.
 - ALL EMERGENCY SYSTEMS SHALL BE RUN IN SEPARATE RACEWAY/CONDUIT SYSTEM(S).
 - PROVIDE CEILING MOUNTED RED LED, ALARM INDICATOR FOR EACH SMOKE DETECTOR MOUNTED IN PLUMBING SPACE(S) OR CONCEALED AREAS.
 - FROM EACH FLUOR MOUNTED PANEL BOARD, STRIP-OUT INTO CEILING CAVITY ABOVE, A 3/4" C. FOR EACH SET OF 3 - SPARES AND/OR SPACES OR FRACTIONS OF EITHER SET THEREOF.
 - REFER TO MECHANICAL DRAWINGS FOR INTERLOCKING REQUIREMENTS OF MECHANICAL EQUIPMENT (MOTORS, PUMPS, ETC.). INSTALL ANY ELECTRICAL EQUIPMENT (STARTERS, RELAYS, VFD'S, ETC.) FURNISHED BY DIV 15.
 - TELEPHONE RACEWAY SYSTEM: PROVIDE RACEWAY FOR TELEPHONE CABLE TO BE INSTALLED BETWEEN EACH SERVICE AND DISTRIBUTION FRAME. IN ADDITION, PROVIDE THE REQUIRED CLEARANCE BETWEEN EACH DISTRIBUTION FRAME. PROVIDE ALL TERMINAL BOUNDS, SIZED AND LOCATED, AS REQUIRED.
 - ALL CEILING MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTIVE CEILING PLANS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL REFLECTIVE CEILING PLANS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL CEILING TYPES IN ALL AREAS.
 - PROVIDE ADEQUATE POWER IN THE FIRE ALARM SYSTEM TO OPERATE ALL LIFE SAFETY SYSTEM AND E.M.C.S. CONTROL DEVICES.
 - WHERE NON-FUSED DISCONNECT IS NOT PROVIDED "WITHIN SIGHT" OF MOTOR (OR HEATER UNIT), FEEDER (AND/OR BRANCH CIRCUIT) OVER-CURRENT DEVICE SERVING SUCH MOTOR (OR HEATER) SHALL HAVE APPROVED "LOCKED-OFF" PROVISION.
 - PROVIDE WALL SWITCHES IN EACH OFFICE/AREA TO CONTROL THE LIGHT FIXTURE(S) IN EACH OFFICE/AREA.
 - REFERENCE MECHANICAL DRAWINGS FOR ALL MECHANICAL EQUIPMENT MOUNTING CONNECTIONS. MAKE ALL CONNECTIONS AND PROVIDE APPROPRIATE WIRE CONDUIT AND OVERCURRENT PROTECTION FOR ALL EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
 - PROVIDE EXIT SIGNAGE AS INDICATED ON DRAWINGS.
 - RECEPTACLES IN MECHANICAL ROOM, ELECTRICAL ROOMS, STORAGE ROOMS AND JANITOR CLOSETS TO BE MOUNTED 48" AFF, AND G.F.I.
 - ALL EXTERIOR WIRING DEVICES TO BE WEATHERPROOF AND GROUND INTERRUPTING TYPE.
 - CONDUIT RUNS SHOWN ARE DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES PER NEC AND FOR COORDINATION WITH OTHER DISCIPLINES.
 - ALL HLD. AND FLUORESCENT LIGHT FIXTURES SHALL BE FURNISHED WITH INTEGRAL FUSING.
 - FURNISH AND INSTALL ONE (1) LIGHT FIXTURE WITH SWITCH AND ONE (1) DUPLEX RECEPTACLE IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR AND INSPECTOR.
 - COORDINATE EXACT LOCATIONS OF ELEVATOR DISCONNECT SWITCH WITH ELEVATOR CONTRACTOR AND INSPECTOR. PROVIDE ALL NECESSARY EQUIPMENT CONTROLS AS REQUIRED BY ELEVATOR CODE.
 - COORDINATE EXACT LOCATIONS OF ALL ITEMS INSTALLED ON SITE WITH CIVIL ENGINEER.
 - COORDINATE ALL LOCATIONS OF RECEPTACLES AND SYSTEMS OUTLETS WITH ALL CASEWORK.
 - USE 10 AWG CU. CONDUCTORS FOR 30 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET. USE 90 AND CU.
 - ALL SITE LIGHTING POLES AND POLE BUSES SHALL BE CAPABLE OF SUPPORTING THE ENTIRE WEIGHT AND WIND LOADS (UNIDS OF 130 MPH) OF THE ENTIRE LIGHTING SYSTEM. ALL DRAWINGS MUST INCLUDE DRAWINGS OF THE ENTIRE ASSEMBLY FOR EACH OF THE MOUNTING CONFIGURATIONS USED. DRAWINGS MUST BE SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER.

LIGHT FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NUMBER	LAMPS		VOLTS/MOUNTING	REMARKS
			QTY	TYPE		
A	LIGHTOLIER	QV7-1-S-PF-232-120-50-96-EM100	2	32W TB	120	SURFACE MOUNTED 1'x4" SURFACE MOUNTED FLUORESCENT DIRECT / INDIRECT FIXTURE. ELECTRONIC BALLAST WITH LESS THAN 100 TMD. SHARED FIXTURES PROVIDE EMERGENCY BATTERY WITH NO LESS THAN 1100 LUMEN OUTPUT. PROVIDE FUSING.
B	LIGHTOLIER	SL-9-1-S-XX-VA-232-120-LE10-96-EM100	2	32W TB	120	SURFACE MOUNTED 1'x4" SURFACE MOUNTED FLUORESCENT FIXTURE WITH ACRYLIC PRISMATIC 0.125" NOMINAL LENS. ELECTRONIC BALLAST WITH LESS THAN 100 TMD. SHARED FIXTURES PROVIDE EMERGENCY BATTERY WITH NO LESS THAN 1100 LUMEN OUTPUT. PROVIDE FUSING. PROVIDE DAMP LABEL.
C	LIGHTOLIER	ST-96-1-S-232-120-P210-96-EM100	2	32W TB	120	SURFACE MOUNTED OR PENDANT MOUNTED SURFACE MOUNTED FLUORESCENT FIXTURE WITH FIBERGLASS HOUSING. SHARED FIXTURE PROVIDE EMERGENCY BATTERY CAPABLE OF TWO LAMPS OPERATING WITH NO C100 LUMEN OUTPUT. ELECTRONIC BALLAST WITH <10% THD. DAMP LOCATION LISTED. PROVIDE FUSING.
D	KENALL	MLH21-48-R-14-PP-4-32-P86-1-120-P81-CUSE	4	32W TB	120	WALL MOUNTED 1'x4" SURFACE MOUNTED FLUORESCENT LIGHT. FOUR FLUORESCENT LAMPS. MARINE GRADE ALUMINUM BODY WITH DIE-CAST CAPS. HIGH PRESS POLYCARBONATE LENS AND LIFETIME GUARANTEE. PROVIDE FUSING AND ALL COMPONENTS NECESSARY FOR MOUNTING. SHARED FIXTURES PROVIDE EMERGENCY BATTERY WITH NO LESS THAN 1100 LUMEN OUTPUT.
F	HALO PRESCLUTE CAPRI LITHONIA	H77-71 PBX-TL1 R9-R16P-50W LP6-6LD2	1	60W A19	120	RECESSED INTO CEILING 7" RECESSED DOWNLIGHT WITH 80 WATT INCANDESCENT LAMP. PLASTIC DROP OPAL LENS. UL LISTED FOR DAMP LOCATIONS.
G	RAL G.E. PHOENIX	VPW8100-60-175 H7-X15F-3W-00 VP 100	1	100W	120	SURFACE MOUNT TO WALL ENCLOSED AND GASKETED INCANDESCENT FIXTURE. CLEAR GLASS GLOBE. DIE CAST ALUMINUM GUARD.
H	GARDOO	MAG18-1/2-3-175MH-277-XX-F	1	175 MH	120	PROVIDE POLE SEE TYPE "H2" 175W MH OUTDOOR GLOWPOW LUMINAIRE. SINGLE OR DOUBLE FIXTURES @ 90 POLE MOUNT. PROVIDE MOUNTING BRACKET AND POLE REFERENCE FIXTURE SCHEDULE FOR POLE TYPE, TYPE 3 DISTRIBUTION. PROVIDE FUSING. COLOR BY ARCHITECT.
H2	GARDOO	RA4-15	NA	NA	NA	15' POLE REFERENCE SHEET 15' STRAIGHT ROUND ALUMINUM POLE WITH 4-BOLT ANCHOR BASE DESIGNED FOR SIDE-MOUNT LIGHT FIXTURES. POLE SHALL BE RATED FOR 130 MPH WIND LOADS AS A MIN. REFER TO DETAIL SHEET FOR MORE INFORMATION. VERIFY PATTERN AND SIZE.
J	NITEBRITES	PM2-1024-MT-M6-PM2-M6	1	1000 MH	208	PROVIDE POLE SEE TYPE "J2" 1000W MH OUTDOOR SPORTS LIGHTING LUMINAIRE. PROVIDE MOUNTING BRACKET BCS-002-TUB AND POLE REFERENCE FIXTURE SCHEDULE FOR POLE TYPE, N6 DISTRIBUTION. PROVIDE FUSING. COLOR BY ARCHITECT. (*)
J2	NITE BRITES	RSS-418-007-XXX-CBA	NA	NA	NA	15' POLE REFERENCE SHEET 15' STRAIGHT ROUND STEEL POLE WITH BOLT ANCHOR BASE DESIGNED FOR SIDE-MOUNT LIGHT FIXTURES. POLE SHALL BE RATED FOR 130 MPH WIND LOADS AS A MIN. REFER TO DETAIL SHEET FOR MORE INFORMATION. VERIFY BOLT PATTERN AND SIZE. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL DRAWINGS.
K	DYNAMIC LIGHTING INC	D130/G16ACH-100-PM06	1	100 MH	120	MOUNT TO EXISTING POLE 100W MH OUTDOOR GLOBE LUMINAIRE WITH PELLAR MOUNT STATION AND BASE WITH INTEGRAL BALLAST. PROVIDE ALL MOUNTING COMPONENTS TO MOUNT TO EXISTING POLE. PROVIDE FUSING. COLOR BY ARCHITECT.
L	PORTFOLIO		1	32W TRT	120	RECESSED 6" OPEN CONE FLUORESCENT DOWNLIGHT WITH 32W LAMPS. CLEAR ALUM. REFLECTOR WITH LENS. PROVIDE ELECTRONIC BALLAST WITH LESS THAN 100 TMD. WHERE SHARED FIXTURE PROVIDE EMERGENCY BATTERY W/ NO LESS 850 LUMENS. PROVIDE FUSING. DAMP LABEL.
M	LIGHTOLIER		2	50W T15	120	WALL MOUNTED AT 90" A.F.F. WALL MOUNTED DIRECT / INDIRECT FLUORESCENT SCENE WITH 2-50W T15 LAMPS. MICRO PERFORATED MESH LAMP SHIELD.
N	MCGRAW EDISON DAYRITE LITHONIA G.E.		1	100W MH	120	MOUNTED 6" ABOVE GRADE 100W METAL HALIDE FLOOD LIGHT. PROVIDE ALL NECESSARY MOUNTING HARDWARE, SLIP FITTER AND TEMON MOUNTED TO CONCRETE BASE. PROVIDE FUSING.
X	LITHONIA OW COLE CHLORIDE	LVS-W-1/2-R-120-EM-100-W LX-16X-RED-EM-W-120 R-L-N-1/2-R-W-WLWS-X	1	LED	120	CEILING OR WALL VERIFY EXIT LIGHT SIGN FOR OUTDOOR USE. UL LISTED FOR WET LOCATION. RED LED LAMP. GREEN LETTERS. AND WHITE FRISK. SINGLE OR DOUBLE SIDES. PROVIDE WITH AC INDICATOR LAMP, TEST SWITCH, AND DIE-CAST WEATHERPROOF-FRSE. NICKEL CADMIUM BATTERY WITH 90 MINUTE CAPACITY. UNIVERSAL MOUNT.

COORDINATE ALL EQUALS WITH ARCHITECT FOR PRIOR ADOPT.
* PROVIDE PHOTOMETRICS AND AIMING OF FIXTURES FOR EQUAL FIXTURES

ROWE ARCHITECTS INCORPORATED
100 Madison Street, Suite 200
Tampa, Florida 33602.4704
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ENGINEERING MATRIX, INC.
CONSULTING ENGINEERS
2015 W. BAYVIEW BLVD. SUITE 100
MIAMI, FLORIDA 33149
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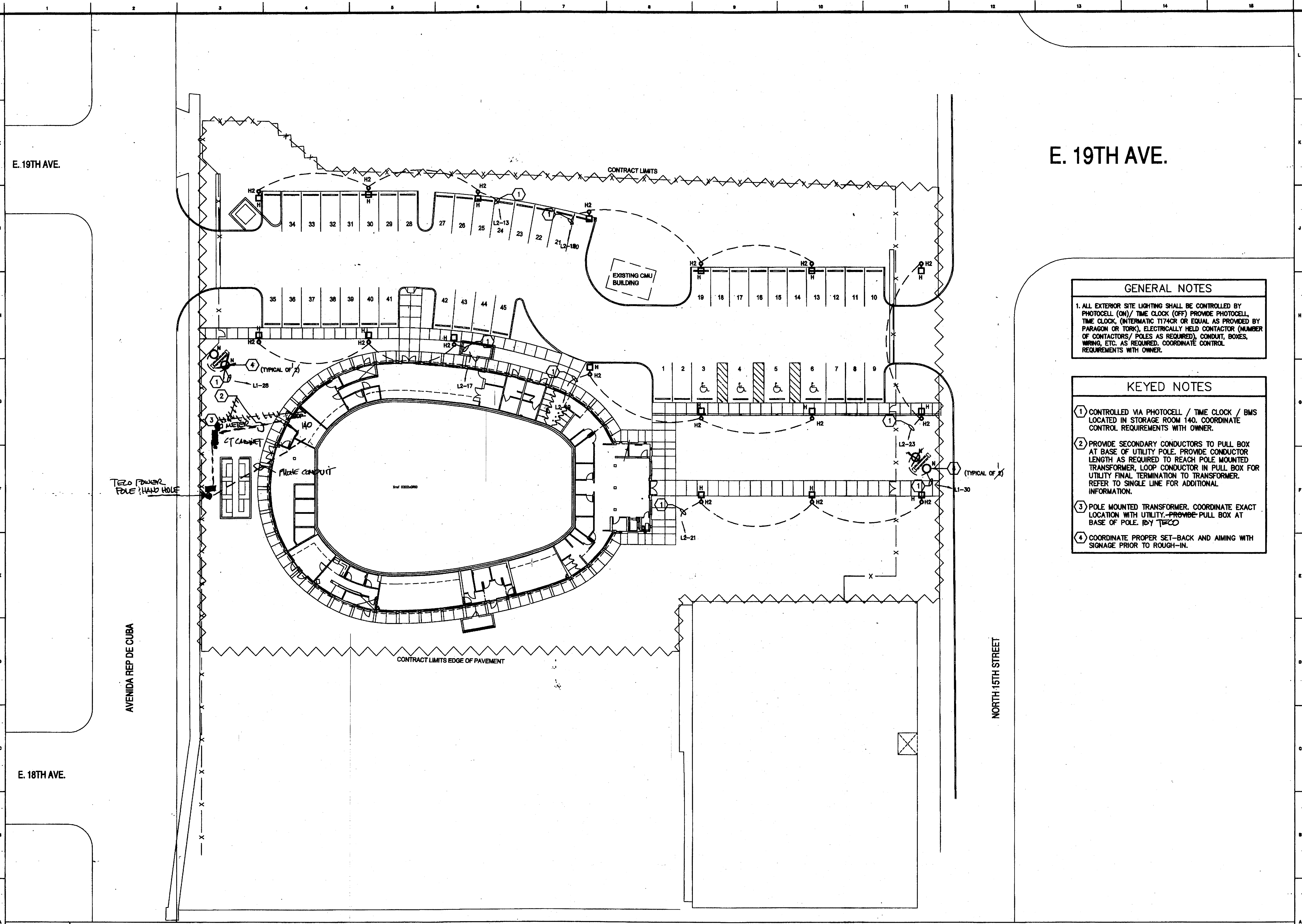
CUSCADEN POOL RENOVATION

CITY OF TAMPA
305 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

Legend Electrical
RECORD DWG.
DATE 2/26/05

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E. 19TH AVE.

E. 19TH AVE.

AVENIDA REP DE CUBA

NORTH 15TH STREET

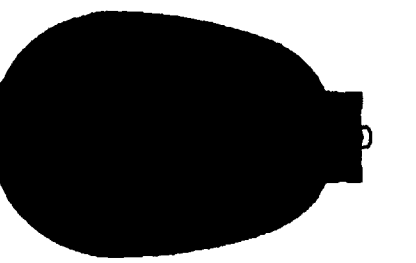
E. 18TH AVE.

GENERAL NOTES

1. ALL EXTERIOR SITE LIGHTING SHALL BE CONTROLLED BY PHOTOCELL (ON)/ TIME CLOCK (OFF) PROVIDE PHOTOCELL, TIME CLOCK, (INTERMATIC T174CR OR EQUAL AS PROVIDED BY PARAGON OR TORK), ELECTRICALLY HELD CONTACTOR (NUMBER OF CONTACTORS/ POLES AS REQUIRED), CONDUIT, BOXES, WIRING, ETC. AS REQUIRED. COORDINATE CONTROL REQUIREMENTS WITH OWNER.

KEYED NOTES

- 1 CONTROLLED VIA PHOTOCELL / TIME CLOCK / BMS LOCATED IN STORAGE ROOM 140. COORDINATE CONTROL REQUIREMENTS WITH OWNER.
- 2 PROVIDE SECONDARY CONDUCTORS TO PULL BOX AT BASE OF UTILITY POLE. PROVIDE CONDUCTOR LENGTH AS REQUIRED TO REACH POLE MOUNTED TRANSFORMER, LOOP CONDUCTOR IN PULL BOX FOR UTILITY FINAL TERMINATION TO TRANSFORMER. REFER TO SINGLE LINE FOR ADDITIONAL INFORMATION.
- 3 POLE MOUNTED TRANSFORMER. COORDINATE EXACT LOCATION WITH UTILITY. PROVIDE PULL BOX AT BASE OF POLE BY TECO
- 4 COORDINATE PROPER SET-BACK AND AIMING WITH SIGNAGE PRIOR TO ROUGH-IN.



CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

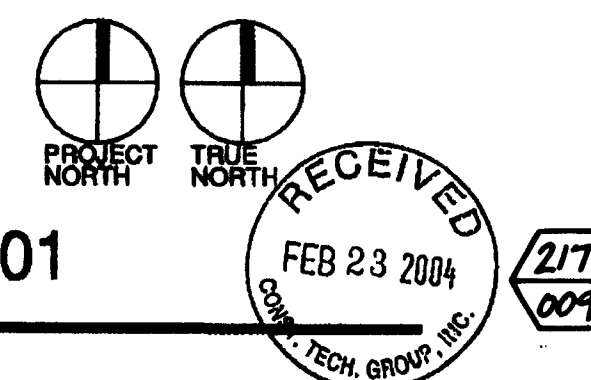
Project No. 0202.00

Distribution	Date
BID DOCUMENTS	02.02.04

Site Plan - Electrical

RECORD DWG.
DATE 2/24/05

E101



Site Plan - Electrical

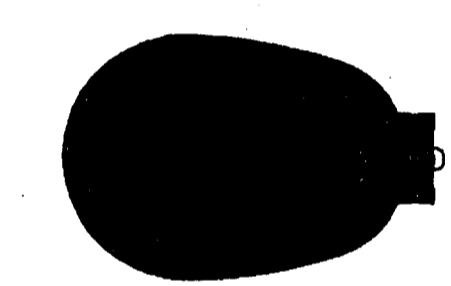
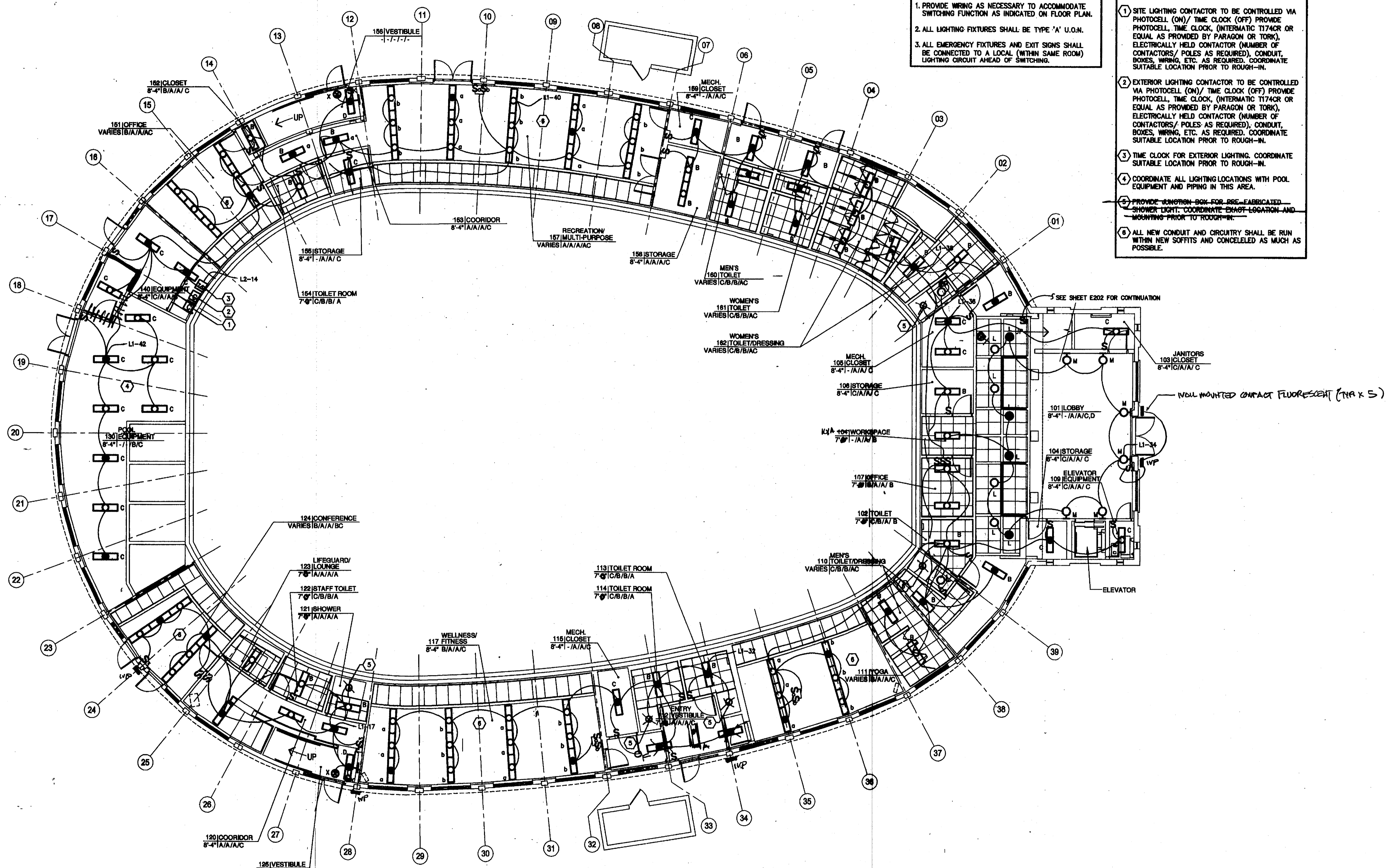
1" = 20'-0"

GENERAL NOTES

1. PROVIDE WIRING AS NECESSARY TO ACCOMMODATE SWITCHING FUNCTION AS INDICATED ON FLOOR PLAN.
2. ALL LIGHTING FIXTURES SHALL BE TYPE 'A' U.O.N.
3. ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE CONNECTED TO A LOCAL (WITHIN SAME ROOM) LIGHTING CIRCUIT AHEAD OF SWITCHING.

KEYED NOTES

- 1 SITE LIGHTING CONTACTOR TO BE CONTROLLED VIA PHOTOCELL (ON)/ TIME CLOCK (OFF) PROVIDE PHOTOCELL, TIME CLOCK, (INTERMATIC T174CR OR EQUAL AS PROVIDED BY PARAGON OR TORX), ELECTRICALLY HELD CONTACTOR (NUMBER OF CONTACTORS/ POLES AS REQUIRED), CONDUIT, BOXES, WIRING, ETC. AS REQUIRED. COORDINATE SUITABLE LOCATION PRIOR TO ROUGH-IN.
- 2 EXTERIOR LIGHTING CONTACTOR TO BE CONTROLLED VIA PHOTOCELL (ON)/ TIME CLOCK (OFF) PROVIDE PHOTOCELL, TIME CLOCK, (INTERMATIC T174CR OR EQUAL AS PROVIDED BY PARAGON OR TORX), ELECTRICALLY HELD CONTACTOR (NUMBER OF CONTACTORS/ POLES AS REQUIRED), CONDUIT, BOXES, WIRING, ETC. AS REQUIRED. COORDINATE SUITABLE LOCATION PRIOR TO ROUGH-IN.
- 3 TIME CLOCK FOR EXTERIOR LIGHTING. COORDINATE SUITABLE LOCATION PRIOR TO ROUGH-IN.
- 4 COORDINATE ALL LIGHTING LOCATIONS WITH POOL EQUIPMENT AND PIPING IN THIS AREA.
- 5 PROVIDE JUNCTION BOX FOR PRE-FABRICATED SHOWER LIGHT. COORDINATE EXIST LOGGON AND MOUNTING PRIOR TO ROUGH-IN.
- 6 ALL NEW CONDUIT AND CIRCUITRY SHALL BE RUN WITHIN NEW SOFFITS AND CONCEALED AS MUCH AS POSSIBLE.



CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
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Floor Plan
First Floor
Lighting

RECORD DWG.
DATE 2/26/05

PROJECT NORTH

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First Floor - Lighting

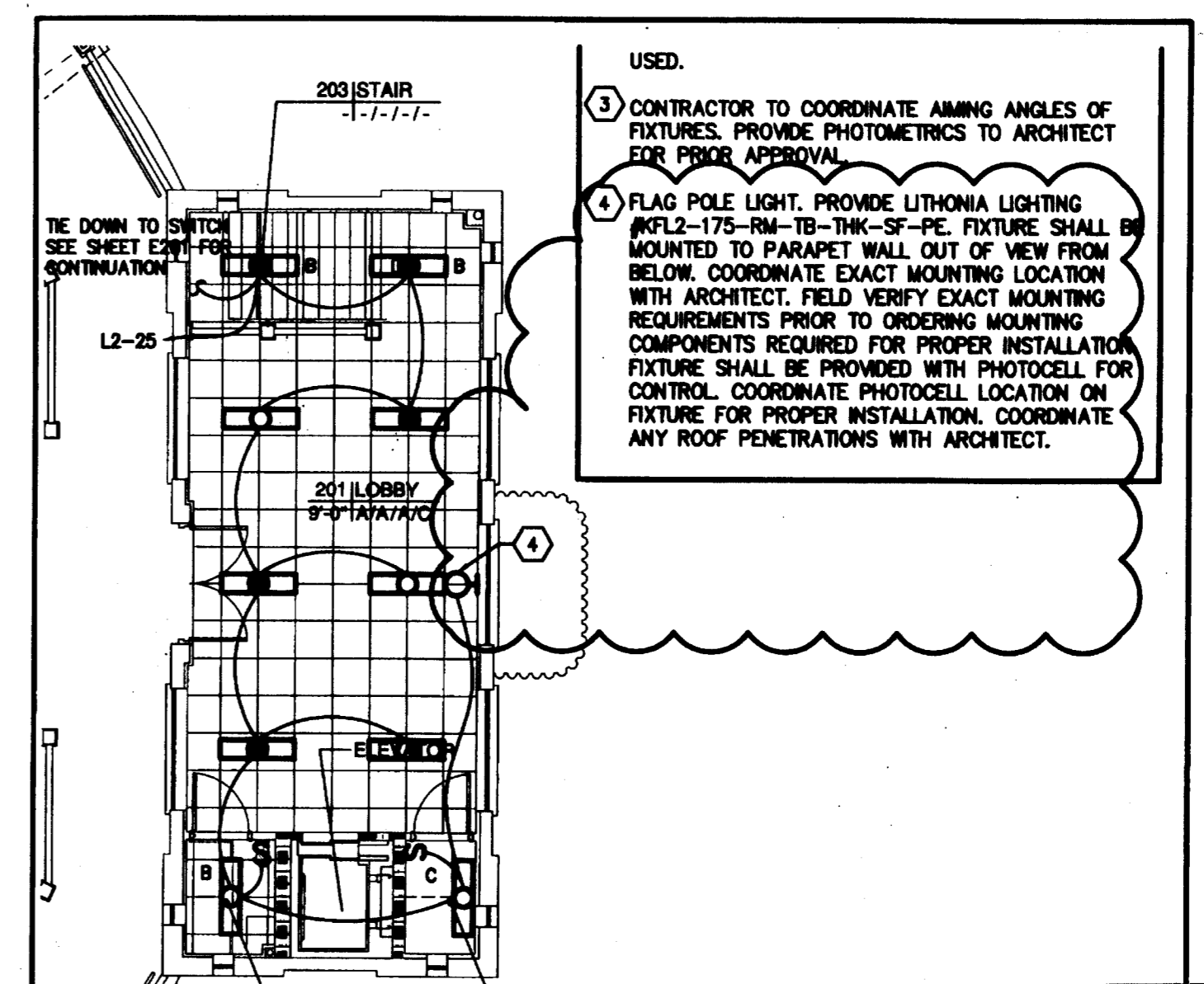
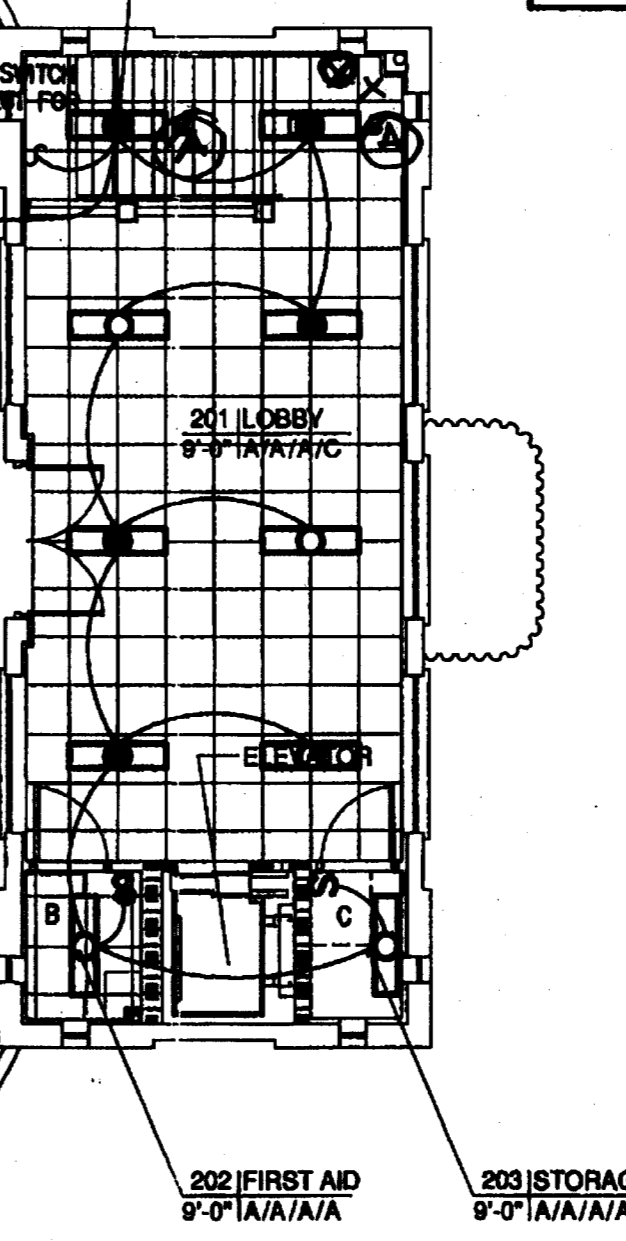
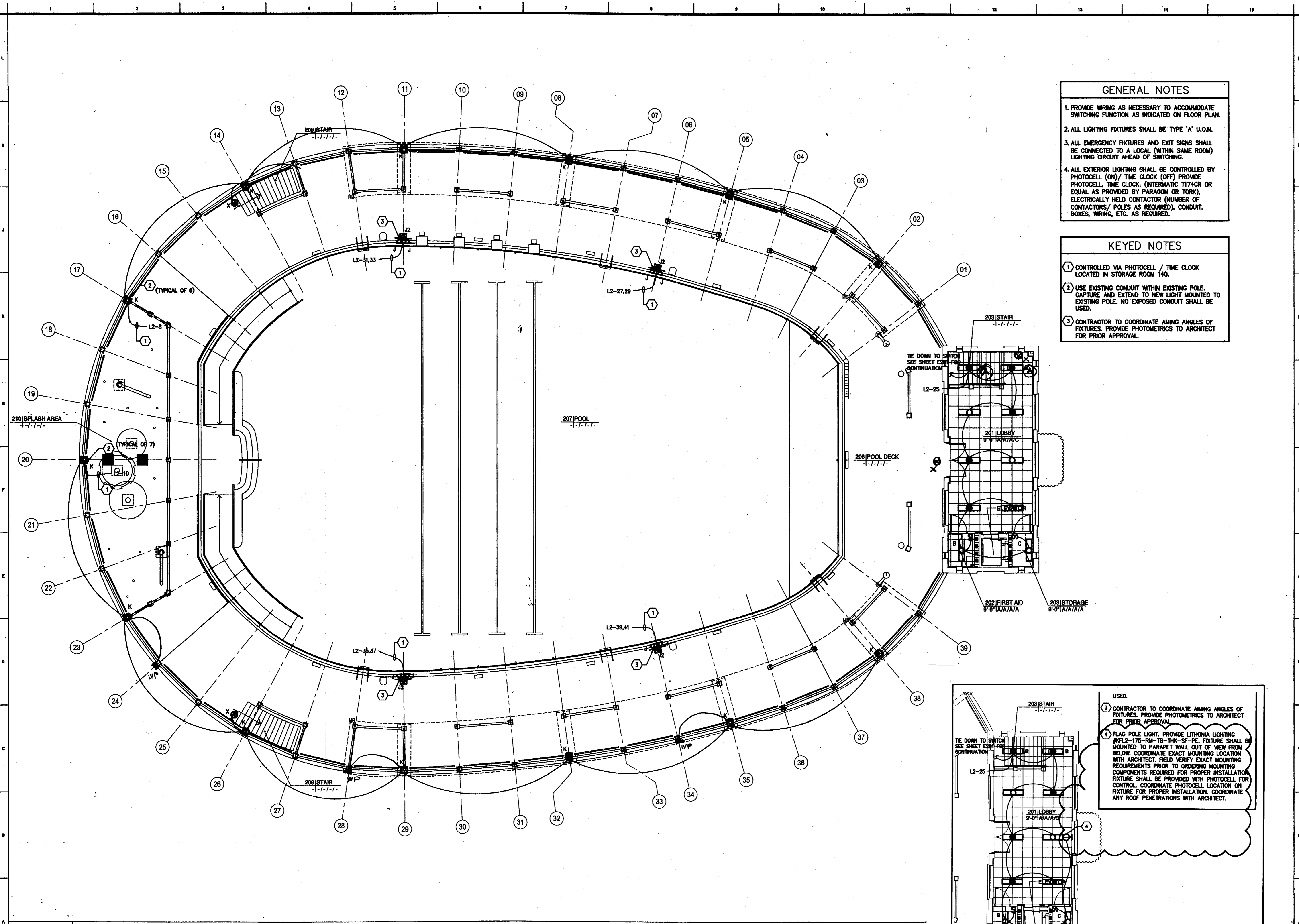
1/8"=1'-0"

GENERAL NOTES

1. PROVIDE WIRING AS NECESSARY TO ACCOMMODATE SWITCHING FUNCTION AS INDICATED ON FLOOR PLAN.
2. ALL LIGHTING FIXTURES SHALL BE TYPE 'A' U.O.N.
3. ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE CONNECTED TO A LOCAL (WITHIN SAME ROOM) LIGHTING CIRCUIT AHEAD OF SWITCHING.
4. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL (ON) / TIME CLOCK (OFF) PROVIDE PHOTOCELL, TIME CLOCK, (AUTOMATIC T174CR OR EQUAL AS PROVIDED BY PARAGON OR TORX), ELECTRICALLY HELD CONTACTOR (NUMBER OF CONTACTORS / POLES AS REQUIRED), CONDUIT, BOXES, WIRING, ETC. AS REQUIRED.

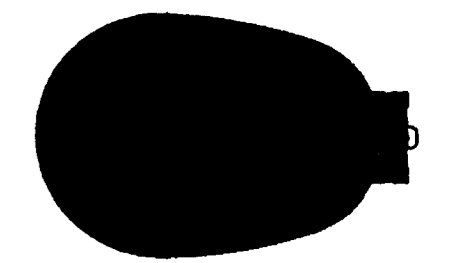
KEYED NOTES

- 1 CONTROLLED VIA PHOTOCELL / TIME CLOCK LOCATED IN STORAGE ROOM 140.
- 2 USE EXISTING CONDUIT WITHIN EXISTING POLE. CAPTURE AND EXTEND TO NEW LIGHT MOUNTED TO EXISTING POLE. NO EXPOSED CONDUIT SHALL BE USED.
- 3 CONTRACTOR TO COORDINATE AMING ANGLES OF FIXTURES. PROVIDE PHOTOMETRICS TO ARCHITECT FOR PRIOR APPROVAL.



USED.

- 3 CONTRACTOR TO COORDINATE AMING ANGLES OF FIXTURES. PROVIDE PHOTOMETRICS TO ARCHITECT FOR PRIOR APPROVAL.
- 4 FLAG POLE LIGHT. PROVIDE LITHONIA LIGHTING #RFL2-175-RM-1B-1HK-SF-PE. FIXTURE SHALL BE MOUNTED TO PARAPET WALL OUT OF VIEW FROM BELOW. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT. FIELD VERIFY EXACT MOUNTING REQUIREMENTS PRIOR TO ORDERING MOUNTING COMPONENTS REQUIRED FOR PROPER INSTALLATION. FIXTURE SHALL BE PROVIDED WITH PHOTOCELL FOR CONTROL. COORDINATE PHOTOCELL LOCATION ON FIXTURE FOR PROPER INSTALLATION. COORDINATE ANY ROOF PENETRATIONS WITH ARCHITECT.



CUSCADEN POOL RENOVATION

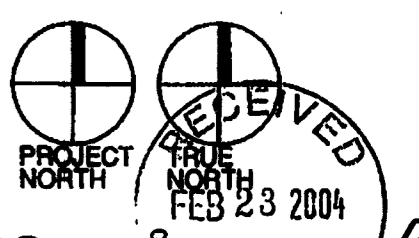
CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

Distribution	Date
BID DOCUMENTS	02.02.04

Floor Plan
Second Floor Pool Deck
Lighting

RECORD DWG.
DATE 2/26/05

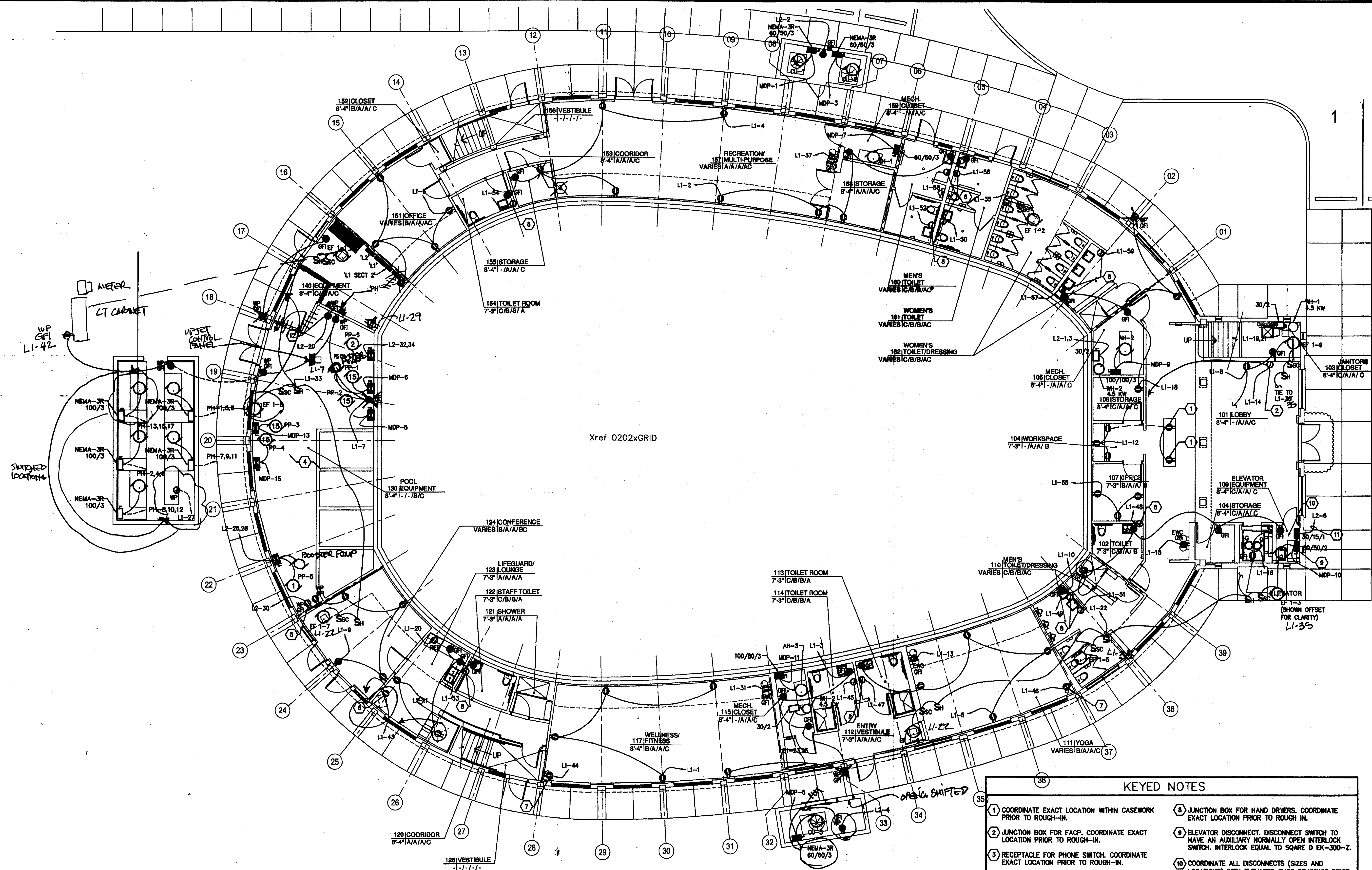


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Second Floor Pool Deck - Lighting

1/8"=1'-0"



- KEYED NOTES**
- COORDINATE EXACT LOCATION WITHIN CASEWORK PRIOR TO ROUGH-IN.
 - JUNCTION BOX FOR FACP. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
 - RECEPTACLE FOR PHONE SWITCH. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
 - COORDINATE ALL EQUIPMENT (SIZES AND LOCATIONS) WITH POOL CONSULTANT DRAWINGS PRIOR TO ROUGH-IN.
 - RECEPTACLE FOR CHEMICAL FEEDERS. COORDINATE EXACT LOCATION WITH POOL CONSULTANT DRAWINGS PRIOR TO ROUGH-IN. INTERLOCK RECEPTACLE WITH PP-5.
 - RECEPTACLES FOR TELEVISION. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH IN.
 - RECEPTACLES FOR OSCILLATING FANS. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH IN.
 - JUNCTION BOX FOR HAND DRYERS. COORDINATE EXACT LOCATION PRIOR TO ROUGH IN.
 - ELEVATOR DISCONNECT. DISCONNECT SWITCH TO HAVE AN AUXILIARY NORMALLY OPEN INTERLOCK SWITCH. INTERLOCK EQUAL TO SQUARE D EK-300-Z.
 - COORDINATE ALL DISCONNECTS (SIZES AND LOCATIONS) WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
 - ELEVATOR CAB LIGHTING. PROVIDE 2-#12 CU. THWN. 1-#12 E.G. CU. THWN. IN 1" CONDUIT. FIELD VERIFY LOCATION OF ELEVATOR CAB LIGHTING TERMINATION POINT AT ELEVATOR CAB. PROVIDE ALL ELECTRICAL COMPONENTS (DEVICES, CONDUIT, WIRING, ETC.) AS REQUIRED FOR COMPLETE ELEVATOR CAB LIGHTING POWER TERMINATIONS PER N.E.C. AND FLORIDA ELEVATOR CODE.
 - RECEPTACLE FOR CHEMICAL FEEDERS. COORDINATE EXACT LOCATION WITH POOL CONSULTANT DRAWINGS PRIOR TO ROUGH-IN. INTERLOCK RECEPTACLE WITH PP-1 AND PP-2.

First Floor - Power

1/8"=1'-0"

CUSCADEN POOL RENOVATION

CITY OF TAMPA
806 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00
Distribution Date
BID DOCUMENTS 02.02.04

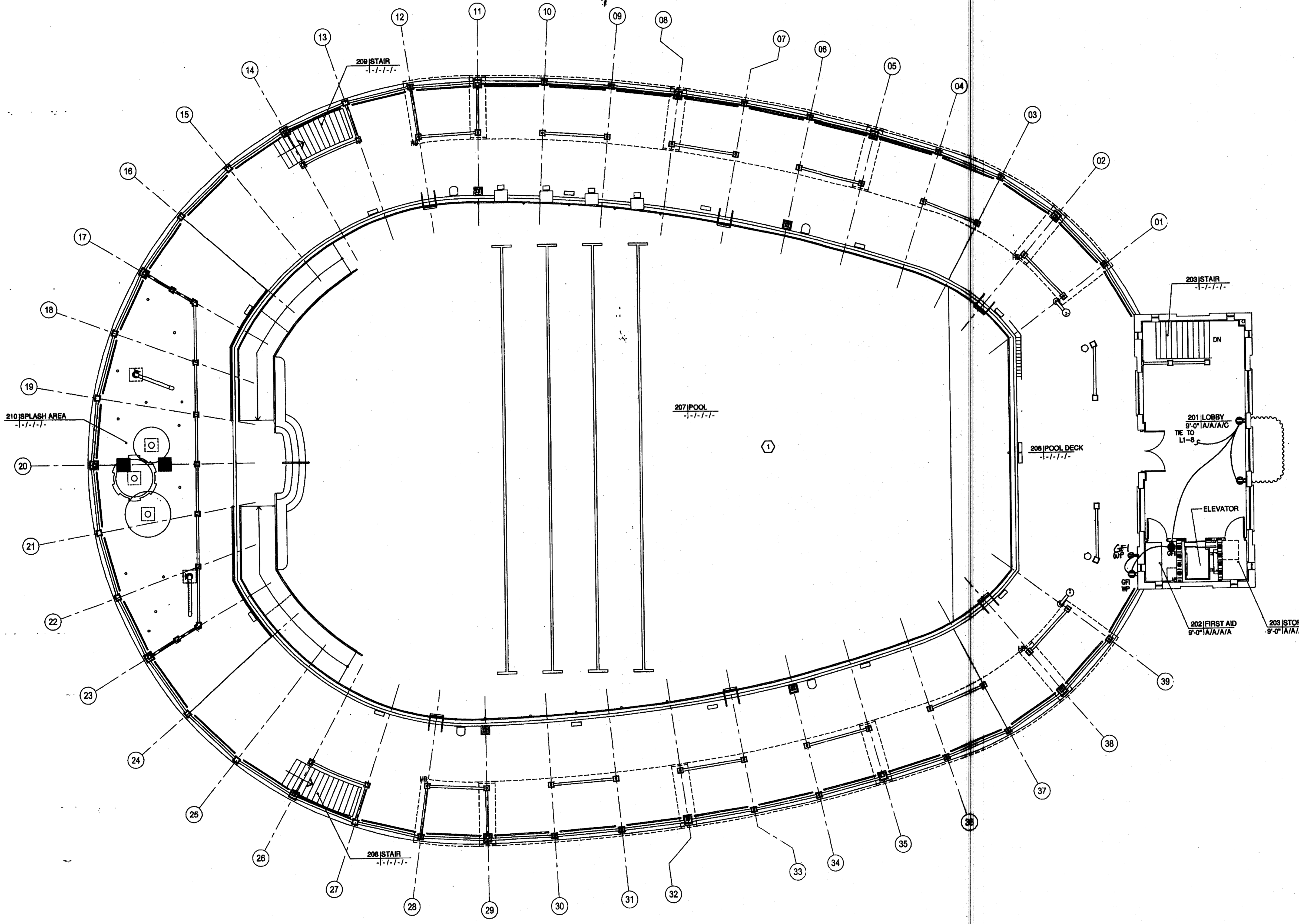
First Floor - Power Plan

RECORD DWG.
DATE 2/26/05

E301

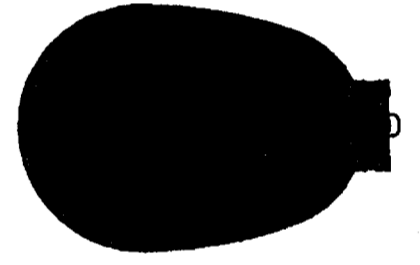
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KEYED NOTES

1 COMMON BONDING GRID SHALL MEET THE REQUIREMENTS OF THE N.E.C. ARTICLE 880. RUN NUMBER 8 MINIMUM BARE COPPER SOLID CONDUCTOR CONTINUOUSLY TO ALL EXISTING REINFORCING STEEL, LADDERS, NICHE FIXTURES, TRANSFORMERS, STEP RAILINGS, ANY METALLIC DECK EQUIPMENT, ETC. TERMINATE IN ELECTRICAL ROOM AT PANEL 'MDP'.



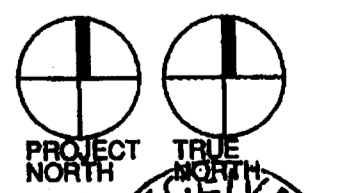
**CUSCADEN
POOL
RENOVATION**

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

Second Floor Pool Deck -
Power Plan

RECORD DWG.
DATE 2/26/05



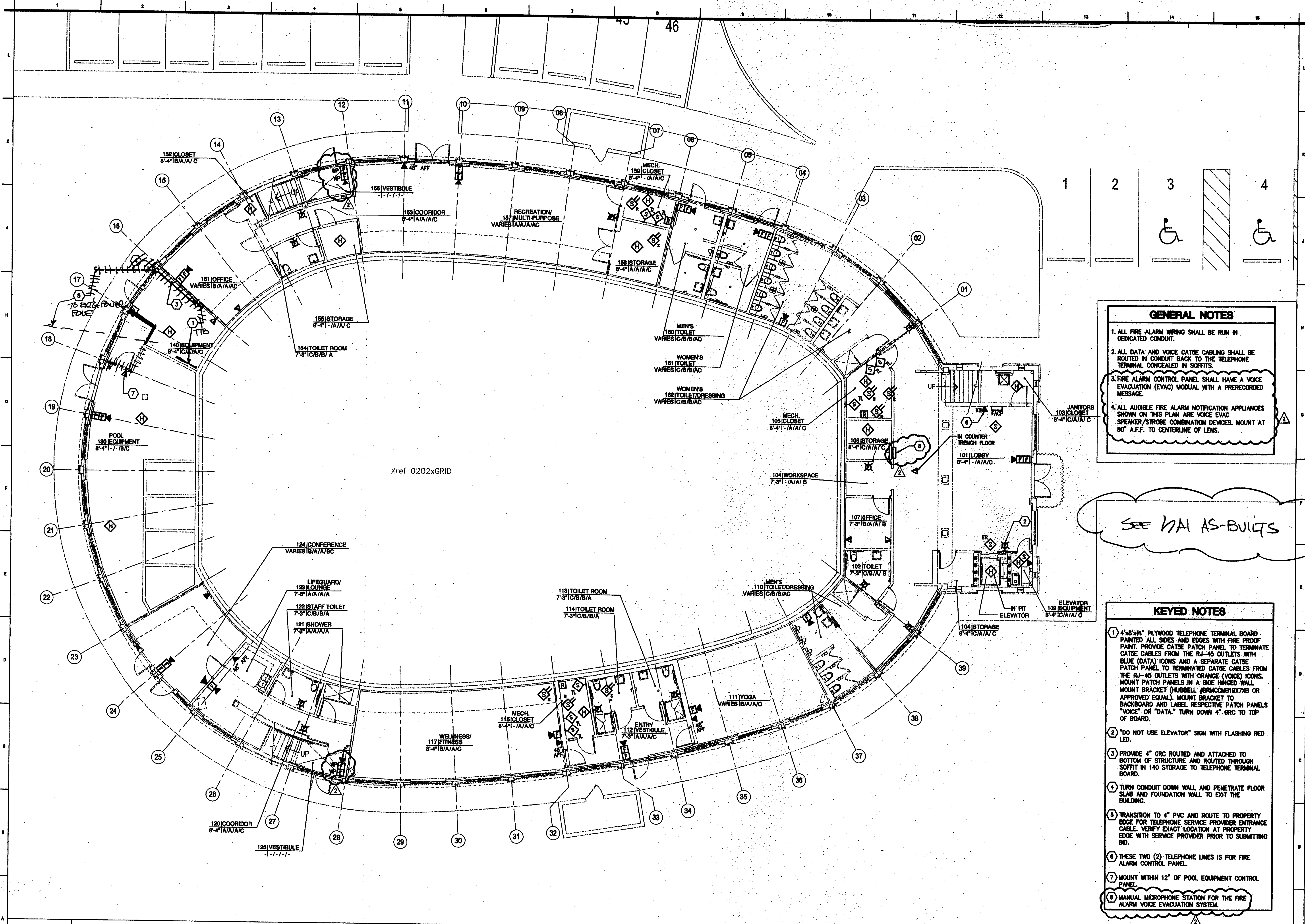
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Second Floor Pool Deck - Power

1/8"=1'-0"



GENERAL NOTES

1. ALL FIRE ALARM WIRING SHALL BE RUN IN DEDICATED CONDUIT.
2. ALL DATA AND VOICE CATSE CABLING SHALL BE ROUTED IN CONDUIT BACK TO THE TELEPHONE TERMINAL CONCEALED IN SOFFITS.
3. FIRE ALARM CONTROL PANEL SHALL HAVE A VOICE EVACUATION (EVAC) MODUL WITH A PRERECORDED MESSAGE.
4. ALL AUDIBLE FIRE ALARM NOTIFICATION APPLIANCES SHOWN ON THIS PLAN ARE VOICE EVAC SPEAKER/STROBE COMBINATION DEVICES. MOUNT AT 80" A.F.F. TO CENTERLINE OF LENS.

SEE I/AI AS-BUILTS

KEYED NOTES

1. 4"x6"x1/4" PLYWOOD TELEPHONE TERMINAL BOARD PAINTED ALL SIDES AND EDGES WITH FIRE PROOF PAINT. PROVIDE CATSE PATCH PANEL TO TERMINATE CATSE CABLES FROM THE RJ-45 OUTLETS WITH BLUE (DATA) ICONS AND A SEPARATE CATSE PATCH PANEL TO TERMINATE CATSE CABLES FROM THE RJ-45 OUTLETS WITH ORANGE (VOICE) ICONS. MOUNT PATCH PANELS IN A SIDE HINGED WALL MOUNT BRACKET (HUBBELL #BRMCCMB19X7X8 OR APPROVED EQUAL). MOUNT BRACKET TO BACKBOARD AND LABEL RESPECTIVE PATCH PANELS "VOICE" OR "DATA." TURN DOWN 4" GRC TO TOP OF BOARD.
2. "DO NOT USE ELEVATOR" SIGN WITH FLASHING RED LED.
3. PROVIDE 4" GRC ROUTED AND ATTACHED TO BOTTOM OF STRUCTURE AND ROUTED THROUGH SOFFIT IN 140 STORAGE TO TELEPHONE TERMINAL BOARD.
4. TURN CONDUIT DOWN WALL AND PENETRATE FLOOR SLAB AND FOUNDATION WALL TO EXIT THE BUILDING.
5. TRANSITION TO 4" PVC AND ROUTE TO PROPERTY EDGE FOR TELEPHONE SERVICE PROVIDER ENTRANCE CABLE. VERIFY EXACT LOCATION AT PROPERTY EDGE WITH SERVICE PROVIDER PRIOR TO SUBMITTING BID.
6. THESE TWO (2) TELEPHONE LINES IS FOR FIRE ALARM CONTROL PANEL.
7. MOUNT WITHIN 12" OF POOL EQUIPMENT CONTROL PANEL.
8. MANUAL MICROPHONE STATION FOR THE FIRE ALARM VOICE EVACUATION SYSTEM.

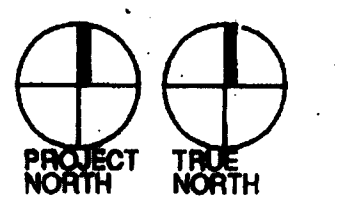
CUSCADEN POOL RENOVATION

CITY OF TAMPA
305 East Jackson Street
Tampa, Florida 33602

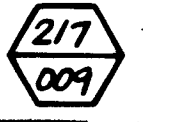
Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04
REVISION A	05.07.04

FLOOR PLAN
First Floor
Electrical Systems

RECORD DWG.
DATE 8/26/05

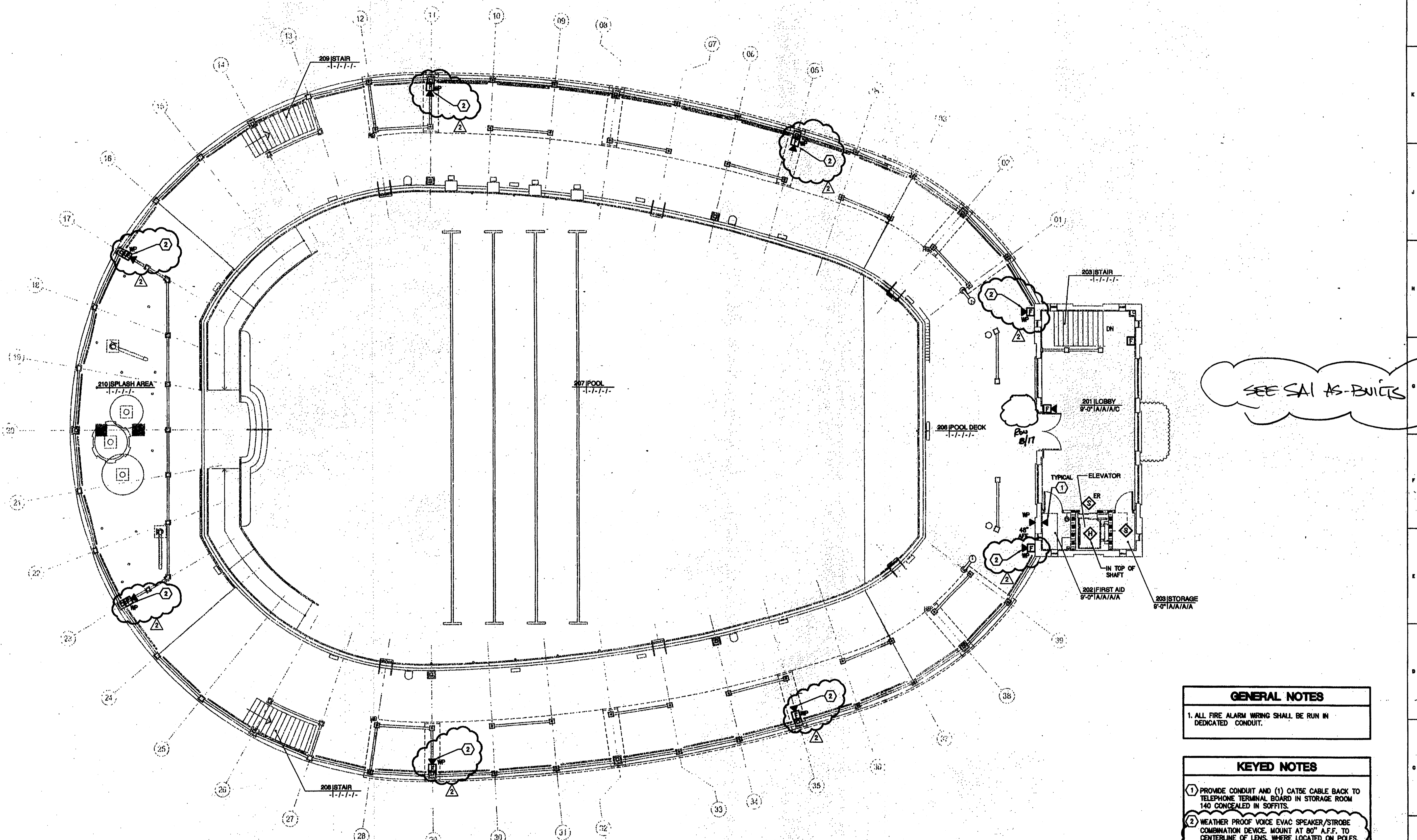


E401



First Floor - Electrical Systems

1/8"=1'-0"



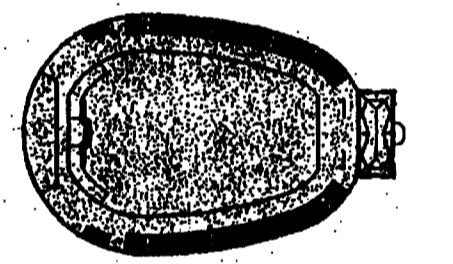
GENERAL NOTES

1. ALL FIRE ALARM WIRING SHALL BE RUN IN DEDICATED CONDUIT.

KEYED NOTES

① PROVIDE CONDUIT AND (1) CAT5E CABLE BACK TO TELEPHONE TERMINAL BOARD IN STORAGE ROOM 140 CONCEALED IN SOFFITS.

② WEATHER PROOF VOICE EVAC SPEAKER/STROBE COMBINATION DEVICE. MOUNT AT 80" A.F.F. TO CENTERLINE OF LENS. WHERE LOCATED ON POLES, ROUTE CONDUIT INSIDE OF POLE. WHERE WALL MOUNTED ROUTE CONDUIT THROUGH WALL TO CONCEAL. CUT-IN FLUSH MOUNT NEMA3R BOXES AT ALL LOCATIONS.



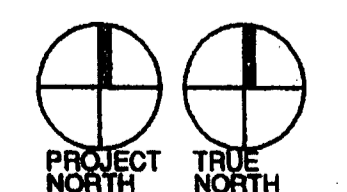
CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04
REVISION A	05.07.04

FLOOR PLAN
Second Floor Pool Deck
Electrical Systems

RECORD DWG.
DATE 8/26/05

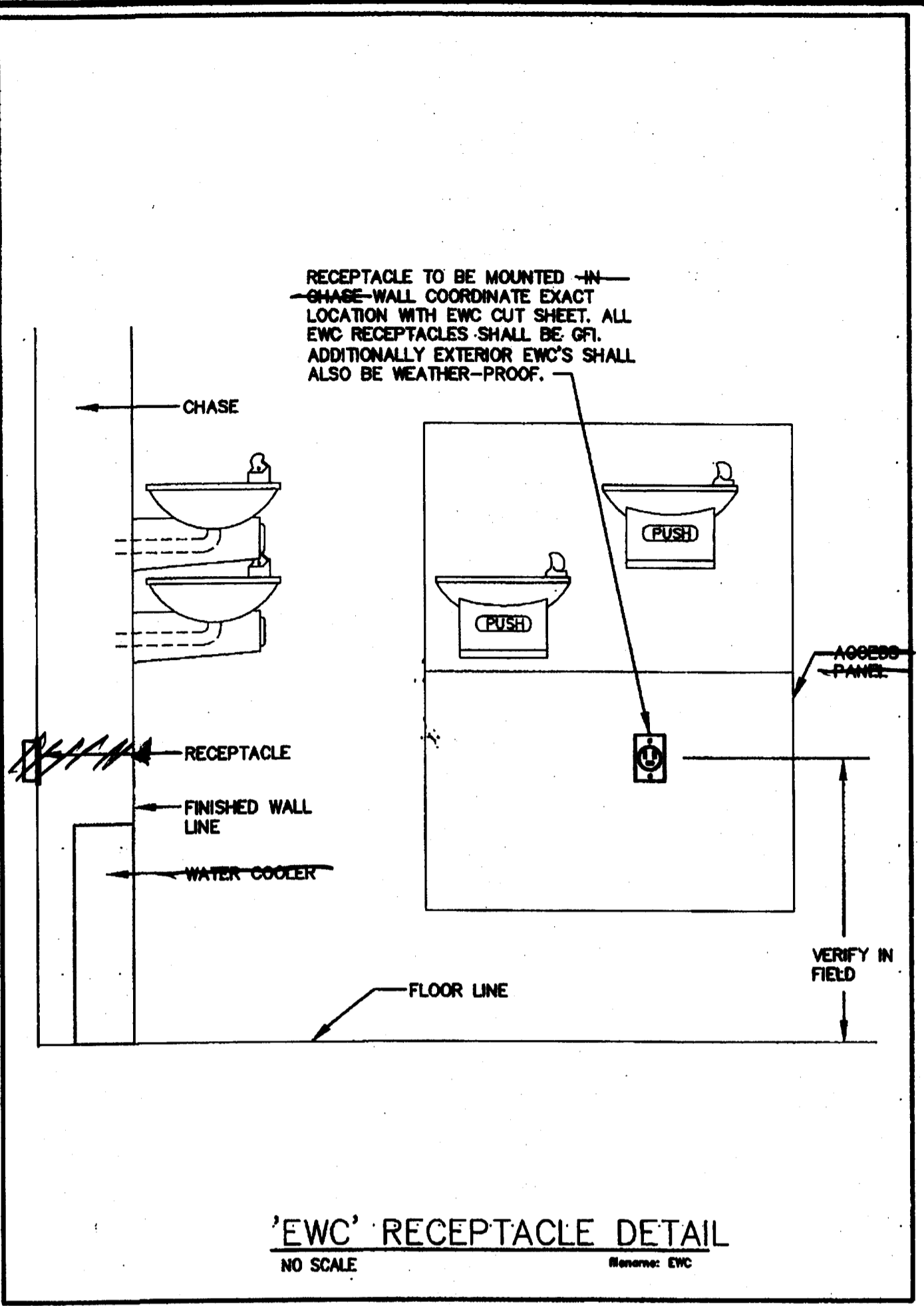


E402



Second Floor Pool Deck - Electrical Systems

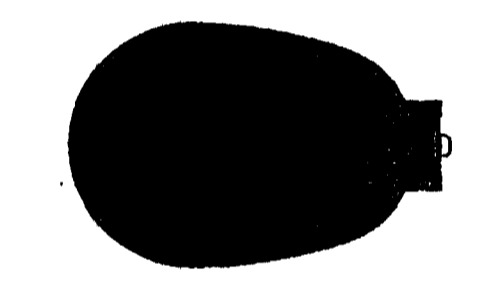
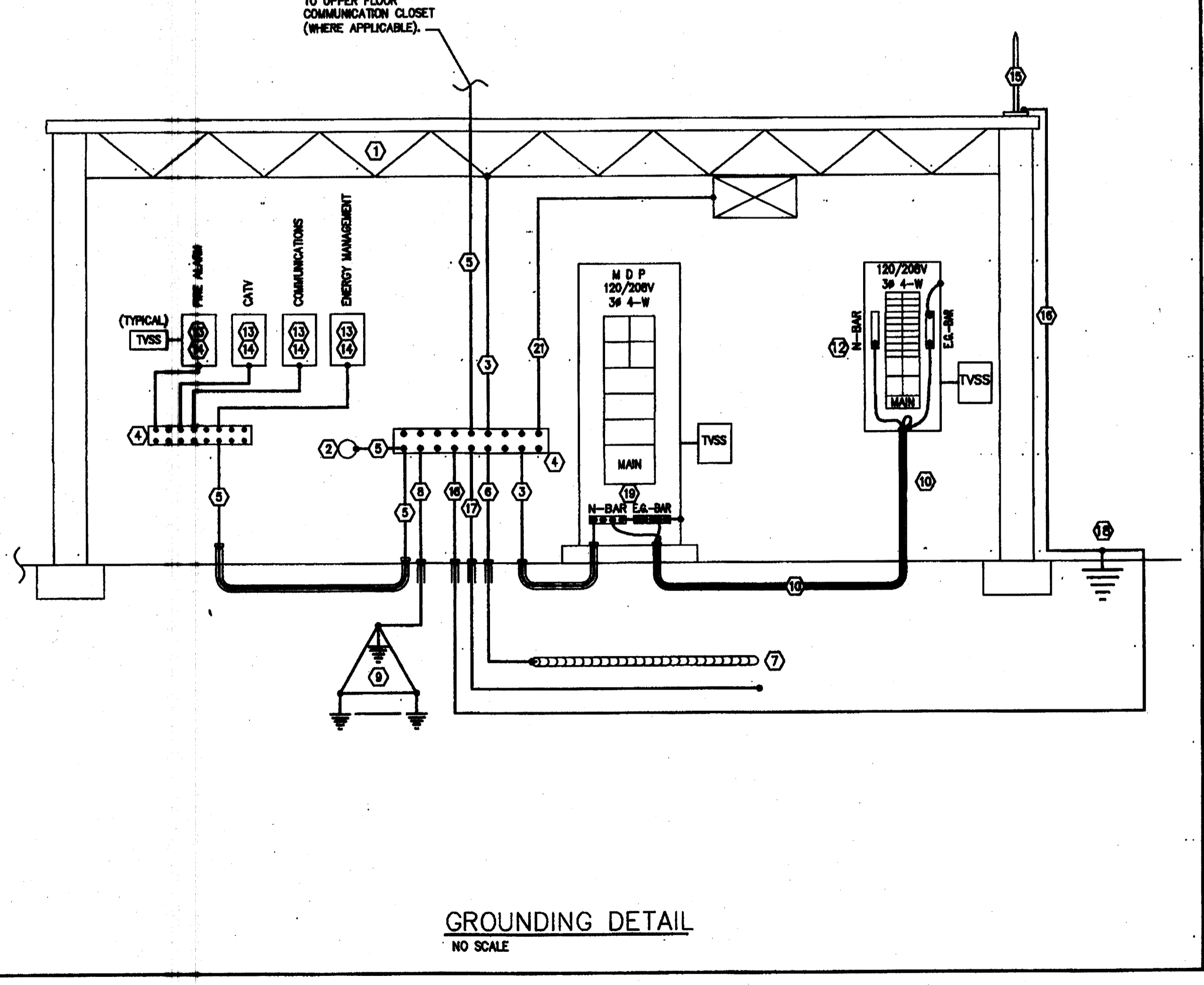
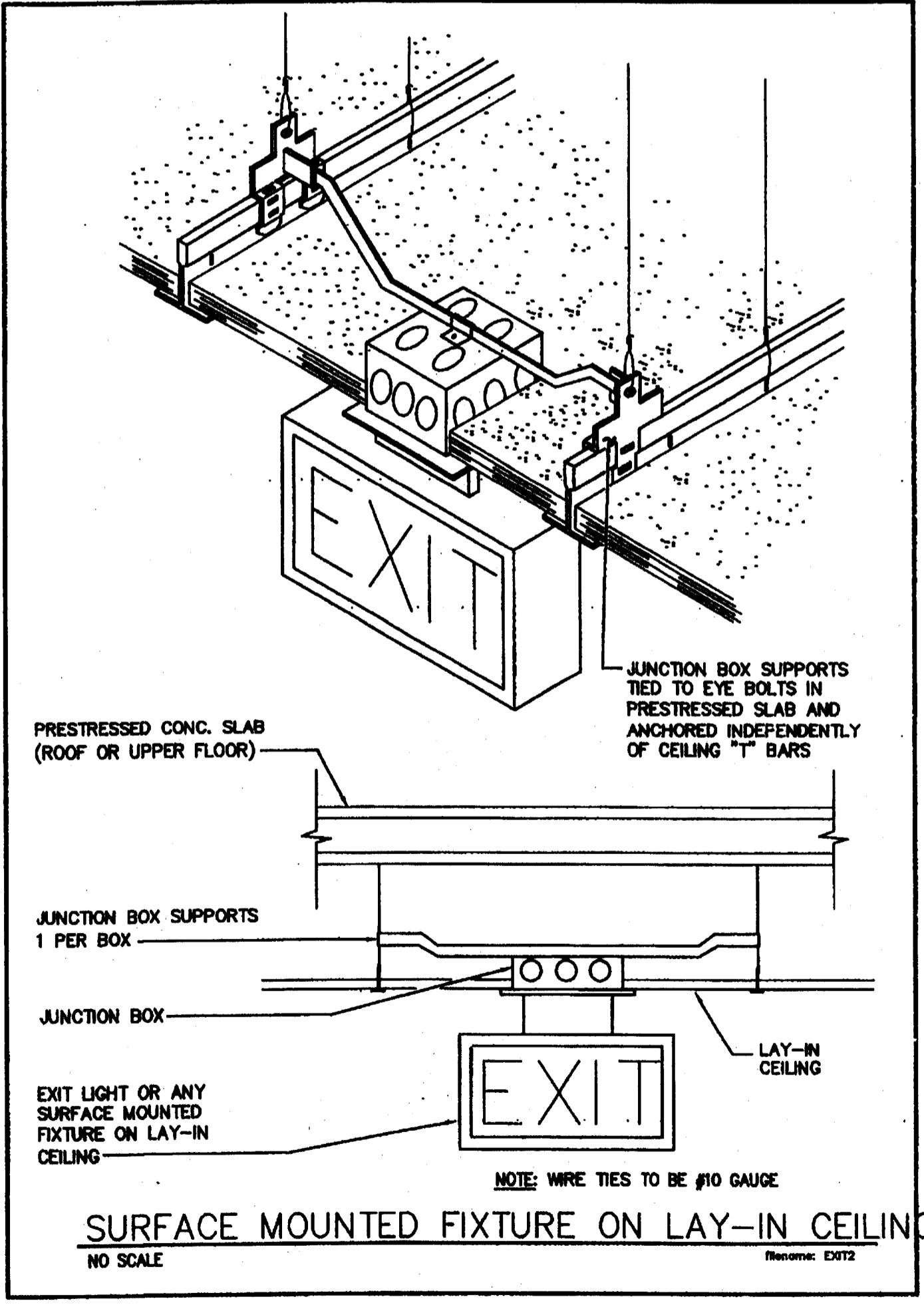
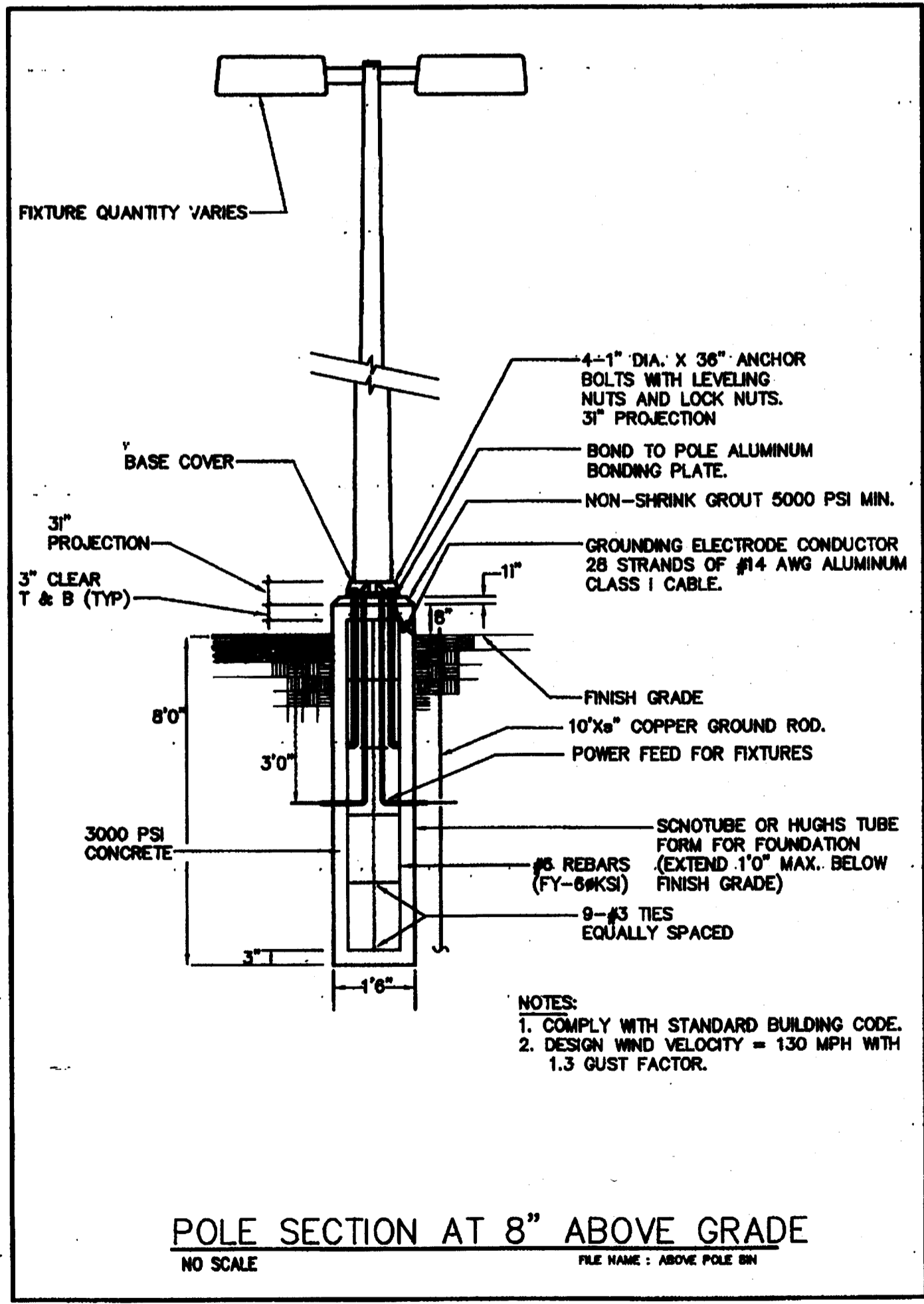
1/8"=1'-0"



- GENERAL NOTES**
1. ALL GROUNDING ELECTRODE CONDUCTORS/GROUNDING CONDUCTORS INSTALLED UNDERGROUND/IN-SLAB SHALL BE IN PVC CONDUIT.
 2. REFERENCE NEC 250.52 (B) AND 250.104(B) FOR BONDING METAL GAS PIPING. GAS PIPING TO BE GROUNDING WITH A GROUNDING CONDUCTOR SIZED PER NEC TABLE 250.122 OR A MINIMUM OF #6 AWG COPPER.
 3. REFERENCE NEC 250.104(B) FOR BONDING ALL INTERIOR METAL PIPING AND AIR DUCTS. GROUND ALL SAME INTERIOR PIPING/DUCTS.
 4. REFERENCE NEC 250.52(A)(4) FOR A GROUND RING ENCOMPASSING THE BUILDING OR STRUCTURE. IF INSTALLED, GROUNDING CONDUCTOR SHALL NOT BE LESS THAN 2.5' BELOW THE EARTH'S SURFACE, CONSISTING OF AT LEAST 20' OF BARE COPPER, NOT THINNER THAN #2 AWG.
 5. REFERENCE NEC 250.108 AND NFPA 780 FOR LIGHTNING PROTECTION SYSTEMS. IF INSTALLED, LIGHTNING PROTECTION SYSTEM TERMINAL SHALL BE BONDED TO THE BUILDING OR STRUCTURE GROUND BUS.
 6. ALL FLOOR-MOUNTED SWITCHBOARDS, PANELBOARDS AND TRANSFORMERS ARE TO BE INSTALLED ON 4" CONCRETE HOUSEKEEPING PADS.
 7. ALL TVSS DEVICES SHALL BE PROVIDED AND INSTALLED PER DIVISION 16000 AND PER MANUFACTURERS STANDARDS. FOR CLARITY ONLY BONDING, BRANDING AND NEUTRAL CONDUCTORS/CONNECTIONS ARE SHOWN.
 8. ALL COPPER GROUNDING ELECTRODE CONDUCTORS SHALL BE IDENTIFIED EVERY 4' WITH GREEN TAPE IF INSULATED AND EXPOSED.
 9. REFERENCE NEC 250.08 COMMON GROUNDING ELECTRODE - WHERE SEPARATE SERVICES SUPPLY A BUILDING, THEY SHALL BE PROVIDED WITH A COMMON GROUNDING ELECTRODE.
 10. ALL NATIONAL ELECTRICAL CODE ARTICLE NUMBERS ARE BASED ON THE 2003 N.E.C.
 11. EACH CONDUCTOR SHALL BE PERMANENTLY IDENTIFIED AT GROUND BUS AS TO EQUIPMENT SERVED.

- KEYED NOTES**
1. STRUCTURAL BUILDING STEEL.
 2. BOND MAIN METAL PLUMBING PIPING WITHIN 5' OF ENTERING BUILDING. IF UNDERGROUND PLUMBING PIPING IS PVC, GROUND METAL PLUMBING WITHIN BUILDING AT CLOSEST ACCESSIBLE POINT.
 3. GROUNDING ELECTRODE CONDUCTOR SIZED PER TABLE 250.66.
 4. GROUND BUS - 4" WIDE X 18" LONG MINIMUM X 1/4" THICK SOLID COPPER TERMINAL BUS MOUNTED ON INSULATORS OFF WALL.
 5. MINIMUM #4 COPPER GROUNDING ELECTRODE CONDUCTOR.
 6. MAIN GROUNDING ELECTRODE CONDUCTOR 20' BARE COPPER IN EARTH, BURIED 24" DEEP, SIZED PER TABLE 250.66. INSURE CONDUCTOR IS BURIED OUTSIDE OF BUILDING PAD AND NOT INSTALLED UNDER SLAB OR FOOTER.
 7. FOOTER STEEL IN GROUND. GROUND CONNECTIONS TO BE EXOTHERMIC WELDS TO A MIN. 1/2" THICK BY 20' LONG REBAR.
 8. NOT USED.
 9. THREE COPPER GROUND RODS, 5/8" BY 20' LONG, SPACED A MINIMUM OF 10' APART. GROUND CONNECTIONS SHALL BE EXOTHERMIC WELDS. PROVIDE 6" PVC SLEEVE WITH THREADED CAP INSTALLED FLUSH WITH FINISHED GRADE FOR ACCESS FOR SERVICE AND/OR INSPECTION.
 10. EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH PRIMARY AND SECONDARY FEEDERS SIZED PER TABLE 250.122. CONNECT TO GROUND BUS AT PANELBOARD.
 11. NOT USED.

- KEYED NOTES (CONT.)**
12. NEUTRAL (GROUNDED CONDUCTOR) SHALL NOT BE BONDED AT SECONDARY PANELBOARDS (FLOAT IF APPLICABLE).
 13. ALL ENCLOSURES/CONTROL CABINETS FOR SYSTEMS PER DETAIL SHALL BE GROUNDING WITH A MINIMUM #4 COPPER GROUNDING CONDUCTOR TO MAIN GROUNDING ELECTRODE BUSBAR.
 14. INSTALL A GROUND BAR KIT CAPABLE OF TERMINATING ALL EQUIPMENT GROUNDING CONDUCTORS ENTERING THE ENCLOSURE.
 15. LIGHTNING PROTECTION SYSTEM AIR TERMINAL(S). (SEE GENERAL NOTE #5)
 16. IF PROVIDED, LIGHTNING PROTECTION SYSTEM GROUND TERMINALS SHALL BE BONDED TO MAIN BUILDING GROUNDING ELECTRICAL SYSTEM/BUS.
 17. GROUND RING. (SEE GENERAL NOTE #4)
 18. MADE ELECTRODES INSTALLED AS NECESSARY PER MANUFACTURERS REQUIREMENTS. GROUND CONNECTIONS SHALL BE EXOTHERMIC WELDS. PROVIDE 6" PVC SLEEVE WITH THREADED CAP INSTALLED FLUSH WITH FINISHED GRADE FOR ACCESS FOR SERVICE AND/OR INSPECTION.
 19. NEUTRAL (GROUNDED CONDUCTOR) TO BE BONDED ONLY AT SERVICE MAIN. ALL OTHER BUILDING MAIN NEUTRALS ARE NOT TO BE BONDED (FLOATING).
 20. NOT USED.
 21. METAL HVAC DUCTWORK SHALL BE BONDED AS PER 250.104 (B) WITHIN THE MECHANICAL ROOM IN WHICH THEY ORIGINATE WITH A MINIMUM #6 AWG COPPER.



CUSCADEN POOL RENOVATION

CITY OF TAMPA
906 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

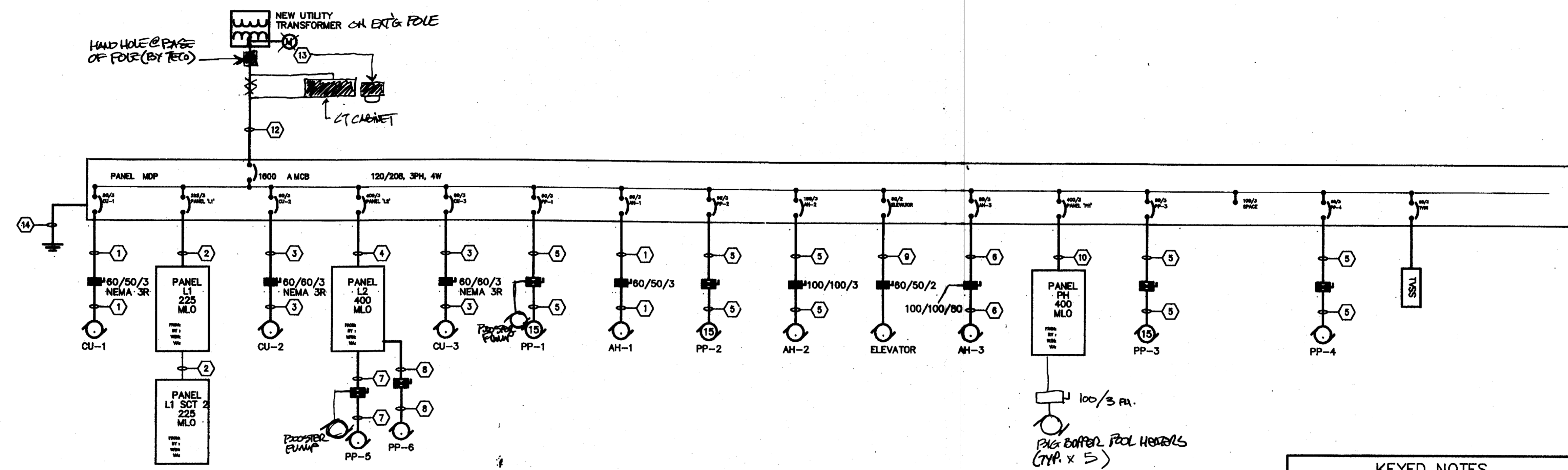
Distribution	Date
BID DOCUMENTS	02.02.04

Details - Electrical

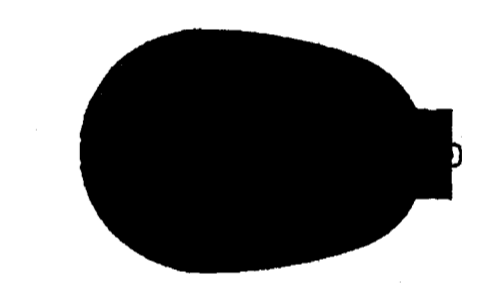
RECORD DWG.
DATE 2/26/05

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E501



- KEYED NOTES**
- ① PROVIDE 3-#8 THWN CU AND 1-#10 E.G. CU IN 2" CONDUIT.
 - ② PROVIDE 4-#10 THWN CU AND 1-#4 E.G. CU IN 2" CONDUIT.
 - ③ PROVIDE 3-#8 THWN CU AND 1-#10 E.G. CU IN 2" CONDUIT.
 - ④ PROVIDE 2 RUNS OF 2" CONDUIT WITH 4-#3/0 THWN CU AND 1-#3 E.G. CU IN EACH.
 - ⑤ PROVIDE 3-#3 THWN CU AND 1-#8 E.G. CU IN 1" CONDUIT.
 - ⑥ PROVIDE 3-#4 THWN CU AND 1-#8 E.G. CU IN 1" CONDUIT.
 - ⑦ PROVIDE 2-#12 THWN CU AND 1-#12 E.G. CU IN 2" CONDUIT.
 - ⑧ PROVIDE 2-#10 THWN CU AND 1-#10 E.G. CU IN 2" CONDUIT.
 - ⑨ PROVIDE 2-#8 THWN CU AND 1-#10 E.G. CU IN 2" CONDUIT.
 - ⑩ PROVIDE 2 RUNS OF 2" CONDUIT WITH 4-#3/0 THWN CU AND 1-#3 E.G. CU IN EACH.
 - ⑪ NOT USED.
 - ⑫ PROVIDE 4 RUNS OF 4" CONDUIT WITH 4-#800 MCM THWN CU IN EACH.
 - ⑬ NEW METER COORDINATE EXACT REQUIREMENTS WITH UTILITY COMPANY.
 - ⑭ GROUNDING. PROVIDE 3/0 COPPER GROUNDING ELECTRODE CONDUCTOR TO BUILDING STEEL, METALLIC COLD WATER PIPE AND 3-20'-0"X3/4" COPPERCLAD GROUND RODS SPACED ONE ROD LENGTH APART. GROUNDING SHALL BE IN ACCORDANCE WITH N.E.C. PROVIDE ALL COMPONENTS FOR COMPLETE GROUNDING SYSTEM. REFER TO GROUNDING DETAIL FOR ADDITIONAL GROUNDING REQUIREMENTS.



CUSCADEN POOL RENOVATION

CITY OF TAMPA
900 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

Single Line Diagram
& Panel Schedules
Electrical

RECORD DWG.
DATE 8/26/05

Single Line Diagram & Panel Schedules - Electrical

N.T.S

E601

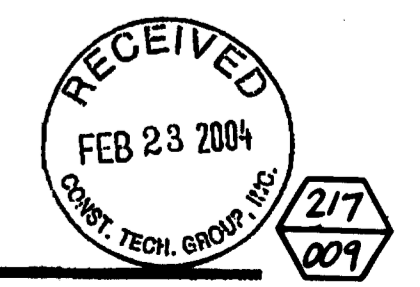


Table with columns: REMARKS, POLES AND AMP, VOLT AMPS (A, B, C), WIRE SIZE, WIRE NO., WIRE SIZE, LIGHTS, POWER, LIGHTS, POWER, LIGHTS, POWER, POLES AND AMP, REMARKS. Includes data for panels L1, L2, and L3.

Table with columns: REMARKS, POLES AND AMP, VOLT AMPS (A, B, C), WIRE SIZE, WIRE NO., WIRE SIZE, LIGHTS, POWER, LIGHTS, POWER, LIGHTS, POWER, POLES AND AMP, REMARKS. Includes data for panels L1, L2, and L3.

CALCULATIONS table with columns: CONN. LOAD, DESIGN LOAD, KVA, AMPS, FACTOR, KVA, AMPS. Includes PHASE LOADS (A, B, C) and REMARKS.

CALCULATIONS table with columns: CONN. LOAD, DESIGN LOAD, KVA, AMPS, FACTOR, KVA, AMPS. Includes PHASE LOADS (A, B, C) and REMARKS.

Table with columns: REMARKS, POLES AND AMP, VOLT AMPS (A, B, C), WIRE SIZE, WIRE NO., WIRE SIZE, LIGHTS, POWER, LIGHTS, POWER, LIGHTS, POWER, POLES AND AMP, REMARKS. Includes data for panels L1, L2, and L3.

Table with columns: REMARKS, POLES AND AMP, VOLT AMPS (A, B, C), WIRE SIZE, WIRE NO., WIRE SIZE, LIGHTS, POWER, LIGHTS, POWER, LIGHTS, POWER, POLES AND AMP, REMARKS. Includes data for panels L1, L2, and L3.

CALCULATIONS table with columns: CONN. LOAD, DESIGN LOAD, KVA, AMPS, FACTOR, KVA, AMPS. Includes PHASE LOADS (A, B, C) and REMARKS.

CALCULATIONS table with columns: CONN. LOAD, DESIGN LOAD, KVA, AMPS, FACTOR, KVA, AMPS. Includes PHASE LOADS (A, B, C) and REMARKS.

Table with columns: REMARKS, POLES AND AMP, VOLT AMPS (A, B, C), WIRE SIZE, WIRE NO., WIRE SIZE, LIGHTS, POWER, LIGHTS, POWER, LIGHTS, POWER, POLES AND AMP, REMARKS. Includes data for panels L1, L2, and L3.

Table with columns: REMARKS, POLES AND AMP, VOLT AMPS (A, B, C), WIRE SIZE, WIRE NO., WIRE SIZE, LIGHTS, POWER, LIGHTS, POWER, LIGHTS, POWER, POLES AND AMP, REMARKS. Includes data for panels L1, L2, and L3.

CALCULATIONS table with columns: CONN. LOAD, DESIGN LOAD, KVA, AMPS, FACTOR, KVA, AMPS. Includes PHASE LOADS (A, B, C) and REMARKS.

CALCULATIONS table with columns: CONN. LOAD, DESIGN LOAD, KVA, AMPS, FACTOR, KVA, AMPS. Includes PHASE LOADS (A, B, C) and REMARKS.

Panel Schedules - Electrical

N.T.S

CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00
Distribution Date
BID DOCUMENTS 02.02.04

Panel Schedules
Electrical

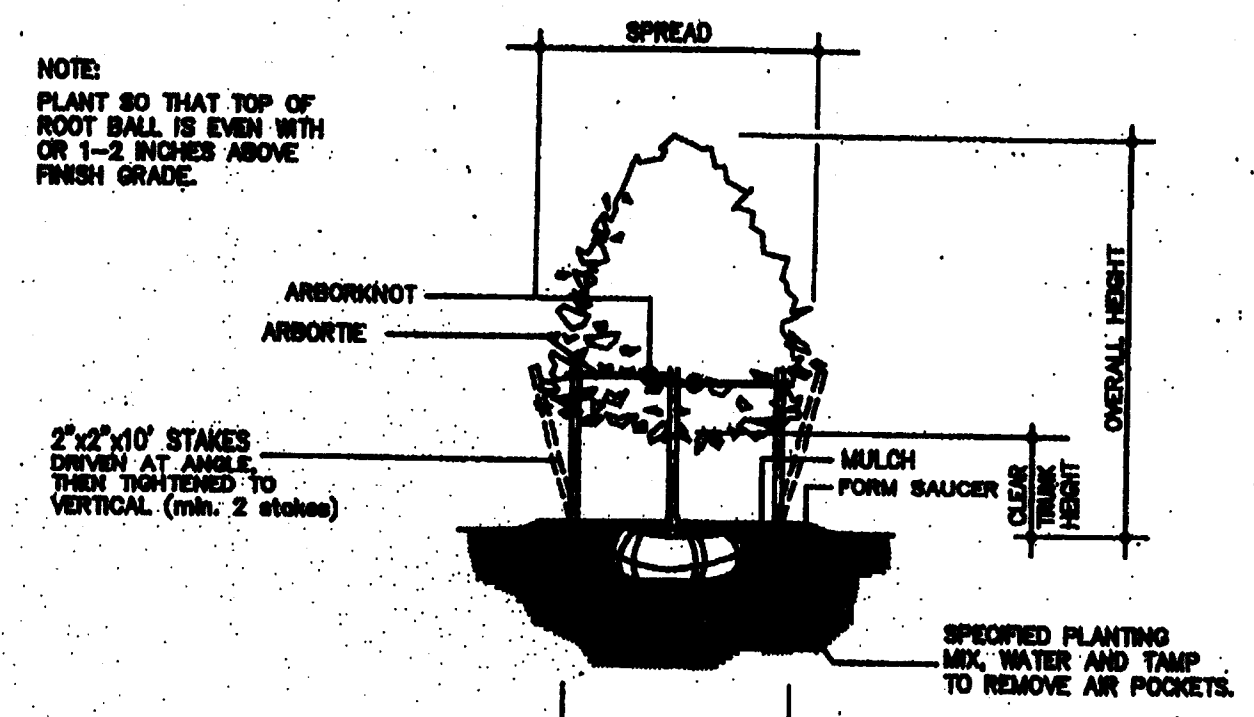
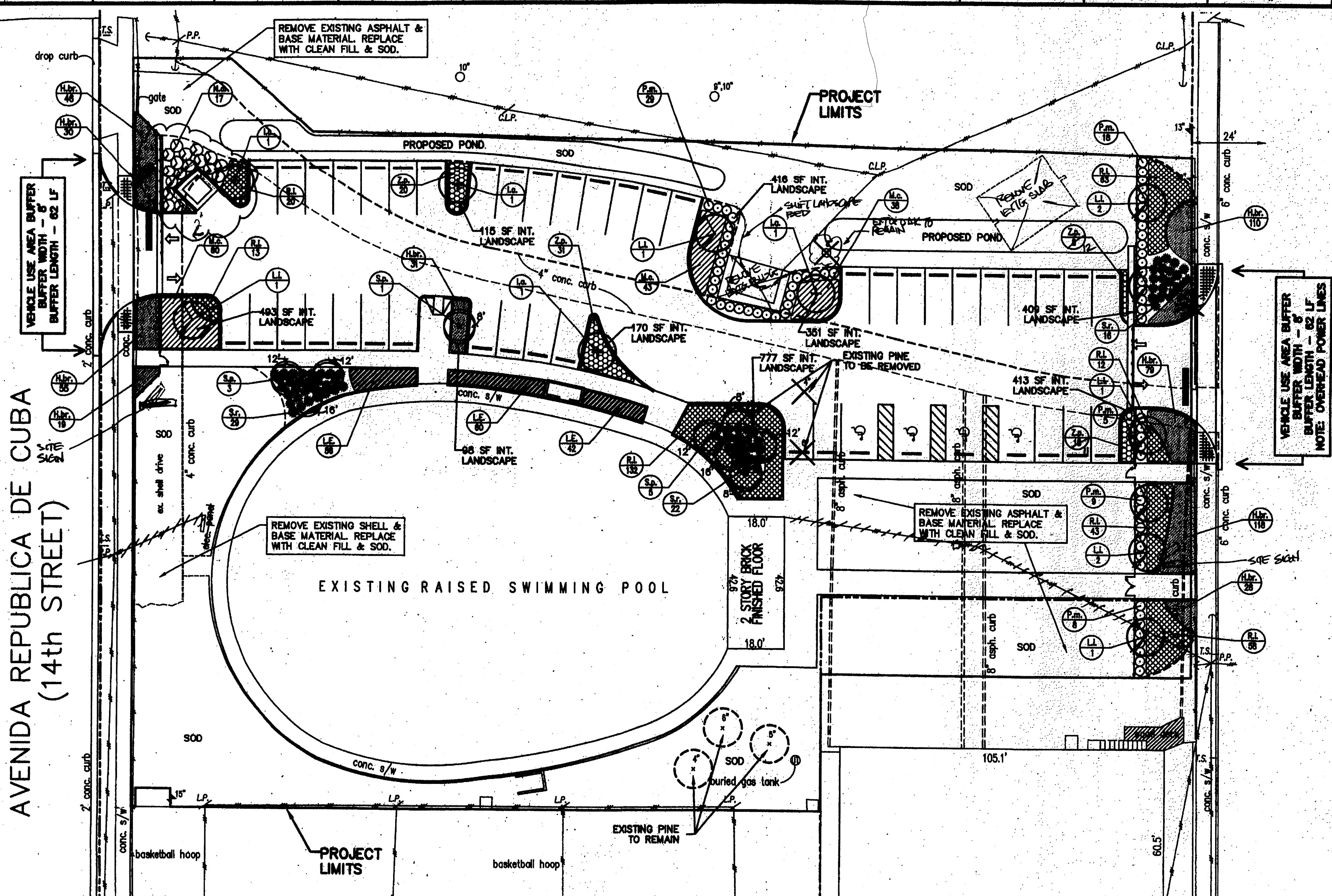
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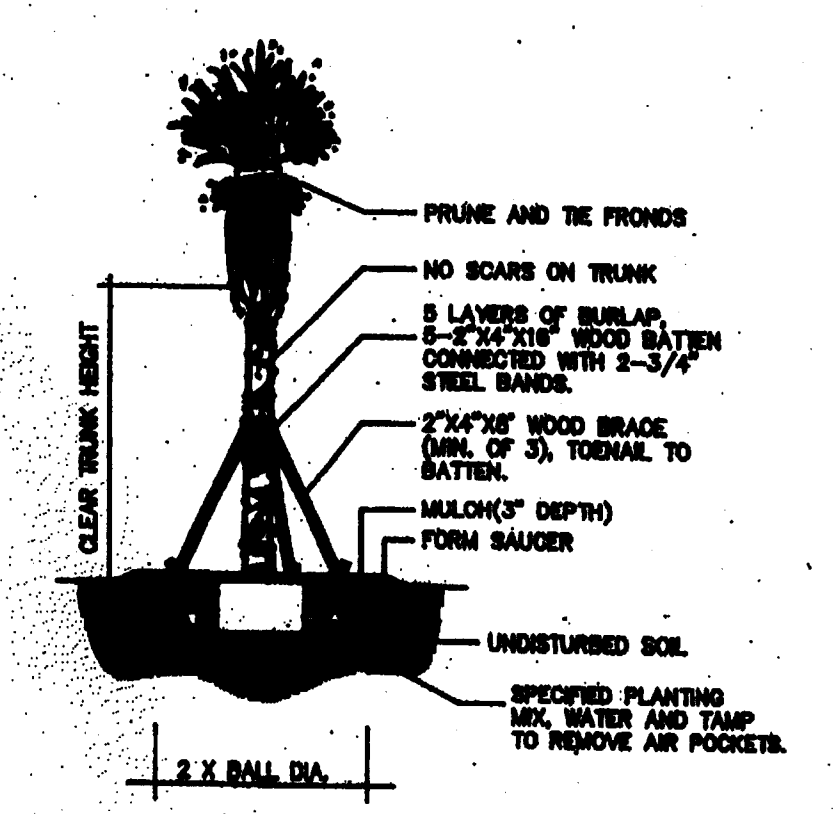
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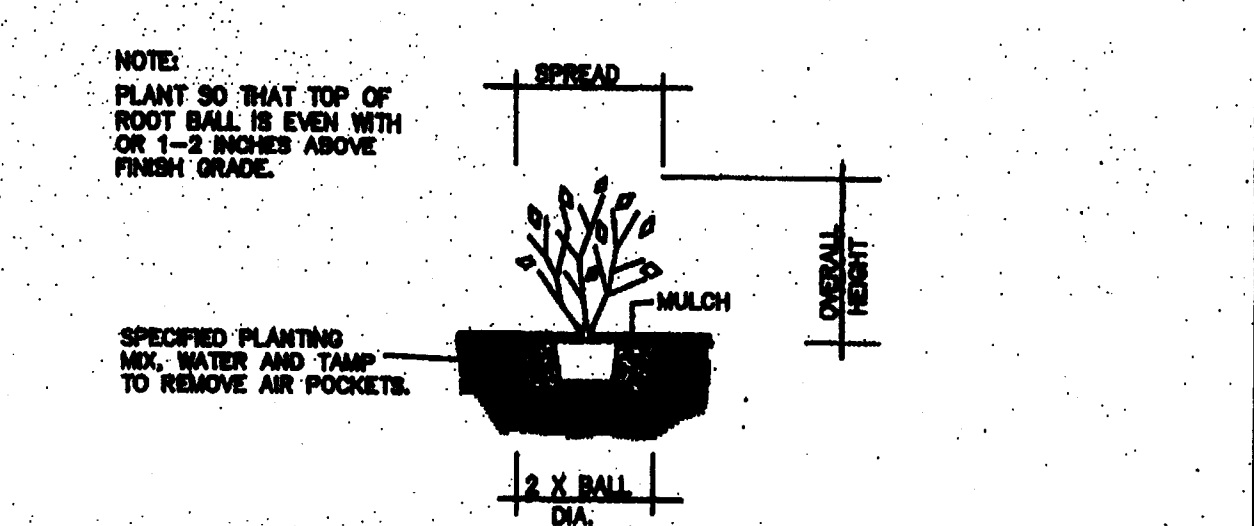
AVENIDA REPUBLICA DE CUBA
(14th STREET)



TREE PLANTING DETAIL (2" CALIPER OR LESS)
SCALE: NOT TO SCALE



CABBAGE PALM PLANTING DETAIL
SCALE: NOT TO SCALE



SHRUB & GROUND COVER PLANTING DETAIL
SCALE: NOT TO SCALE

LANDSCAPE REQUIREMENTS

PERIMETER LANDSCAPE BUFFER

VEHICLE USE AREA
Avenida Republica De Cuba - Buffer Width - 6' / Buffer Length - 62LF
Trees Required - 1 Tree per 40 LF - 62/40 = 2
Trees Provided - 2
Shrubs/Plants Provided - Yes
Shrubs/Plants Provided - Yes

N. 15th Street - Buffer Width - 6' / Buffer Length - 62LF
Trees Required - 1 Tree per 40 LF - 62/40 = 2
Trees Provided - 2
Shrubs/Plants Provided - Yes
Shrubs/Plants Provided - Yes

INTERIOR LANDSCAPE REQUIREMENTS

INTERIOR LANDSCAPE AREA (50 percent of vehicle use area)
Total Vehicle Use Area - 18,276 SF x 50% = 9,138 SF
Interior Landscape Area Required - 4,569 SF
Interior Landscape Area Provided - 3,726 SF

INTERIOR TREE REQUIREMENTS
(1 Tree per 1,000 SF of Parking Area)
Total Vehicle Use Area - 18,276 SF / 1,000 SF = 18
Interior Trees Required - 18
Interior Trees Provided - 13

TREE CREDIT <DEBIT> REQUIREMENTS

Replacement Trees Required - 0
Tree Credits Available - 0

TREE CREDIT <DEBIT> REQUIREMENTS				
TREES TO BE REMOVED				
QUANTITY	DESCRIPTION	CALIPER	MULTIPLIER CREDIT <DEBIT>	TOTAL REPLACEMENT TREES CREDIT <DEBIT>
1	PINE	4" Cal.	<0>	<0>
2	PINE	6" Cal.	<0>	<0>
TOTAL TREE REPLACEMENT <CREDIT>				
TREES TO BE PRESERVED				
QUANTITY	DESCRIPTION	CALIPER	MULTIPLIER CREDIT <DEBIT>	TOTAL REPLACEMENT TREES CREDIT <DEBIT>
1	PINE	4" Cal.	0	0
1	PINE	6" Cal.	0	0
1	PINE	6" Cal.	0	0
TOTAL TREE CREDITS				

PLANT LIST			
SYMBOL	SYMBOL/COMMON NAME	DESCRIPTION	QUANTITY
TREES			
La	Sho-banana (Banana)	WINGED BLM 8" x 8" Sp. 2'0", 20 gal, Full	4
Ll	Laguncularia leucostachya (Coco Pal)	8" x 8" Sp. 2'0", 20 gal, Full	8
PLANS			
Pa	Red palm (Cabbage Palm)	8-10" Sp. 10' Fin. Per Stem	9
Pc	Stemless palm (Other See Palmetto)	10-12" x 8" Sp. 3rd, 30"00, Full	67
SHRUBS			
Ma	Marlun shrub (Cigar) (Shrub)	20-40" x 10-20" Sp. 3 gal, 40"00, Full, Stock	17
Pa	Podocarpus neriifolia (Podocarpus)	20-40" x 10-20" Sp. 3 gal, 30"00, Full	69
GROUNDCOVER			
Ma	Hemerocallis (Daylily)	12" x 8" Sp. 1 gal, 18"00, Full, Evergreen	80
Le	Liriodendron (Tulip Tree)	10-12" x 8" Sp. 1 gal, Full, 5 lbs. min., 18"00	150
Ma	Muhlenbergia (Muhlenbergia Grass)	18" x 12" Sp. 1 gal, 24"00, Full	10
Ll	Laguncularia (Coco Pal)	8-10" x 8" Sp. 3 gal, 24"00, Full	30
Za	Zamia (Candle)	8-10" x 8" Sp. 3 gal, 24"00	74
IRRIGATION			
	Emulsion (Fertilizer)	2" depth min.	± 6,363 SF
	Populatus solution (Fertilizer)	2" depth min.	± 6,363 SF
	Soil Amendments	Per Notes and Details	± 25.8 CY
	Shading and Digging	Per Details	12 Trees / 9 Palms

GENERAL NOTES

All plant materials shall be Florida Grade No. 1 or better, as specified in GRASSES AND STANDARDS FOR NURSERY PLANTS, Parts I and II, by the Division of Plant Industry, Florida Department of Agriculture and Consumer Services, and shall conform to current American Association of Nurserymen STANDARDS FOR NURSERY STOCK, unless otherwise specified on the plans and plant list.

All plant materials shall be guaranteed for a period of one year (365 days) after final acceptance. All replacement materials shall be guaranteed for an additional 365 days.

All planting beds shall be mulched with Eucalyptus mulch, Grade II or better, to a depth of three (3) inches. All trees in good grade shall have a 30" min. radius mulched tree ring. Soil shall be Populatus solution "Soil" soil.

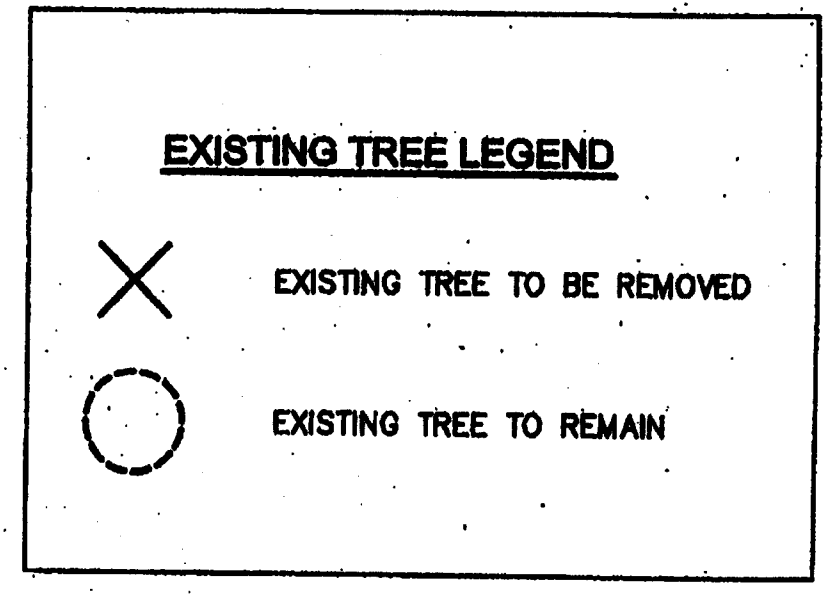
Landscape shall be irrigated by a fully automatic irrigation system, utilizing low volume nozzles where practical and equipped with a rain or moisture sensing device.

All plantings shall require soil amendments consisting of 50% (50) percent native processed soil and 50% (50) percent planting mix. Planting mix shall consist of 50% (50) percent Florida Peat, twenty (20) percent Compost, and twenty (20) percent Sand. Refer to the planting details & specifications for additional planting specifications.

Where building or paving occurs within the protective area of an existing tree to remain, the CONTRACTOR shall first frame those roots affected by the construction. Roots shall be clearly graded to an elevation deep enough to avoid loading of the roots 18 inches beyond the construction area.

Proposed utility lines for water, irrigation, electric, telephone and sanitary sewer lines shall be located through the roots of the existing trees to remain when placement is not an acceptable alternative.

Remove all existing sod within the project limits & return the existing soils to a depth of 12" prior to the installation of the new plantings and sod.



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CHARLOTTE ENGINEERING
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1700 El Jobean Road,
Port Charlotte, Florida 33948
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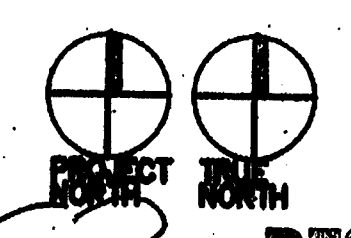
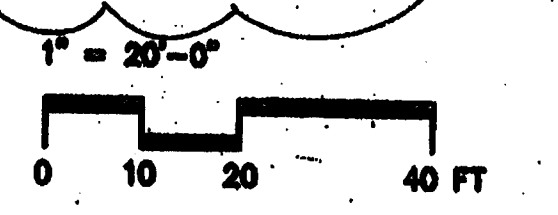
John J. Smith, R.L.A.
L.A. No. 0001032
State of Florida
Charlotte Engineering & Surveying, Inc.
Corporation No. 2804

CUSCADEN
POOL
RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

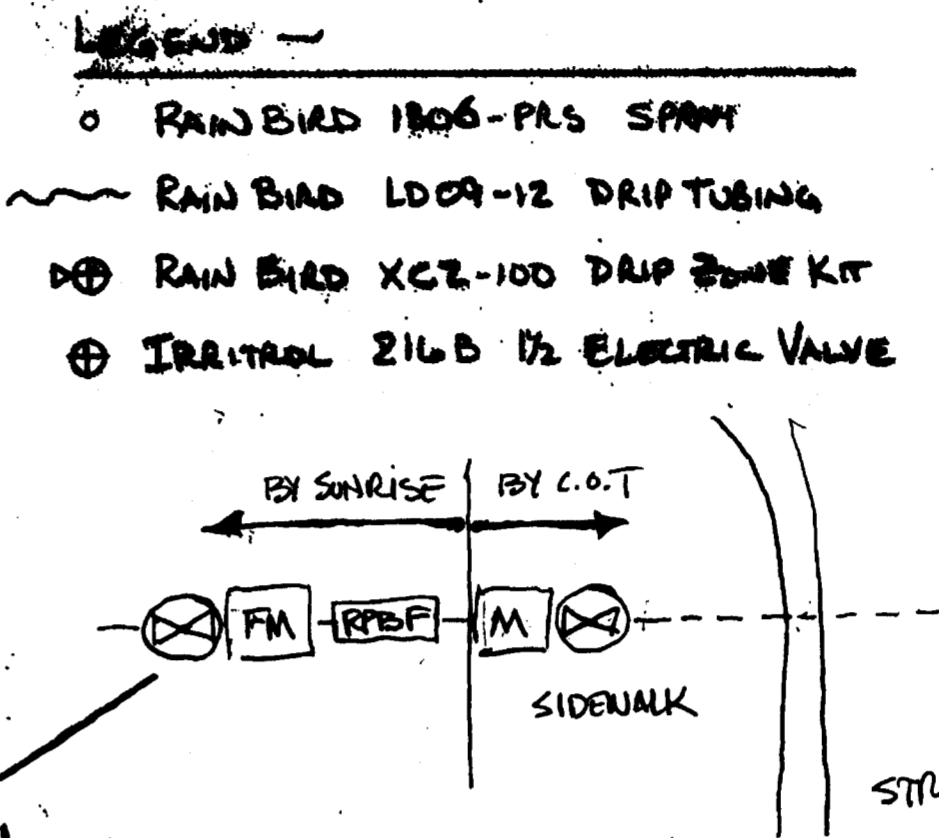
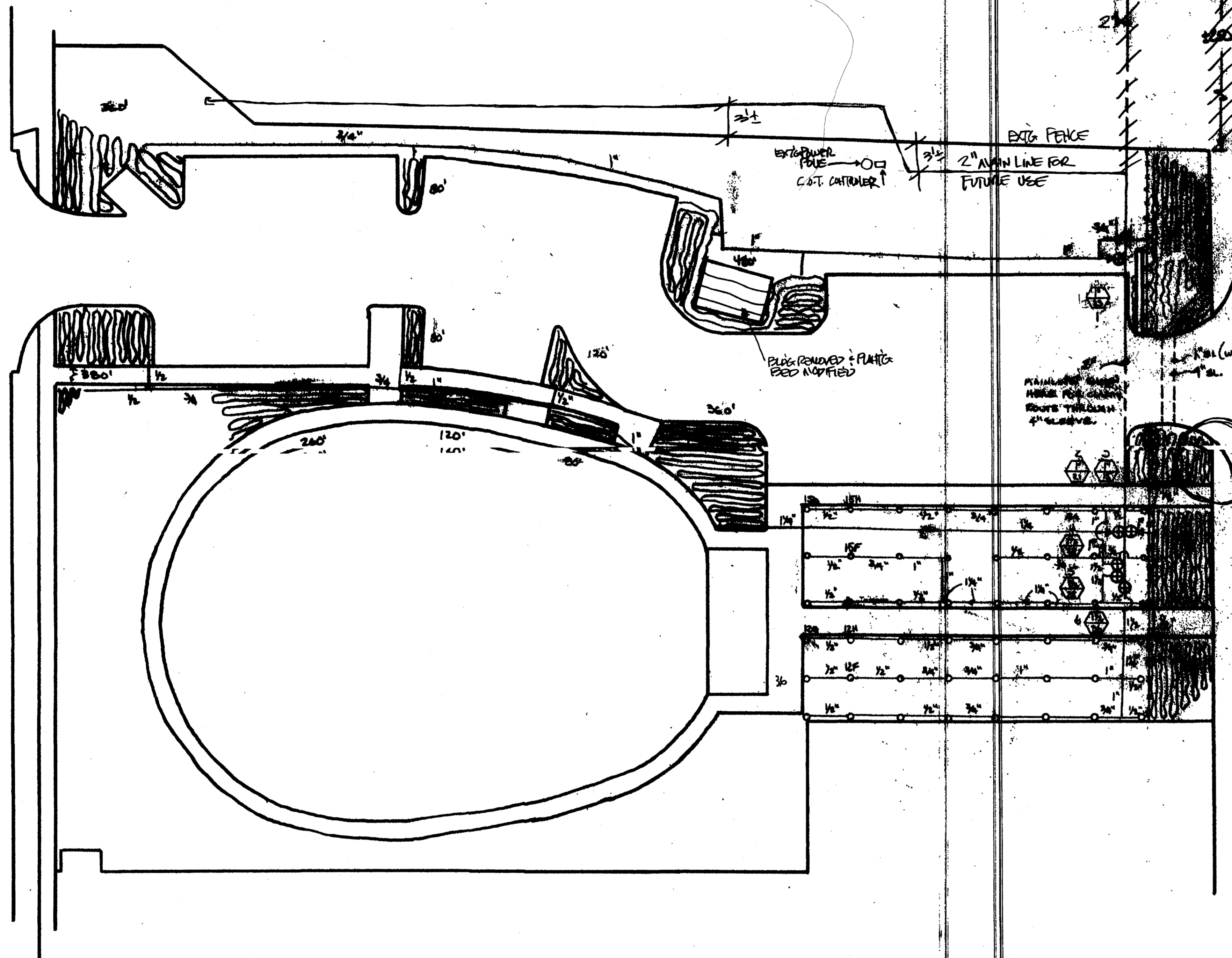
Project No.0202.00	
Distribution	Date
SD DOCUMENTS	02.02.04
REV PER COMMENTS	08.03.04
REVISION 1	5.01.04

LANDSCAPE PLAN



L1 RECORD DWG.
DATE 8/26/05

14TH STREET



SUBMITTAL NO. 21

CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

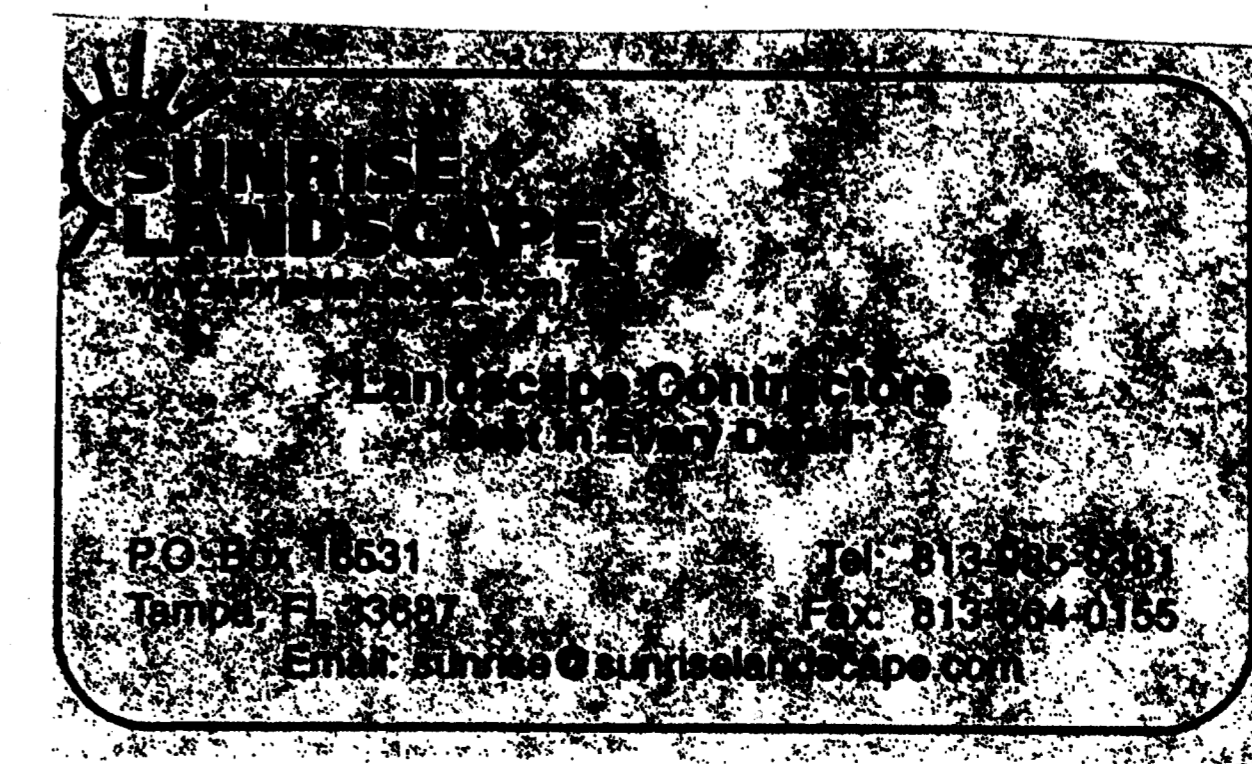
PROJECT NO. 16406

NO EXCEPTIONS TAKEN
 MAKE CORRECTIONS NOTED
 RESUBMIT CORRECTED COPY
 SELECTED - RESUBMIT
 RESUBMIT SPECIFIED ITEM
 REVISE AND RESUBMIT

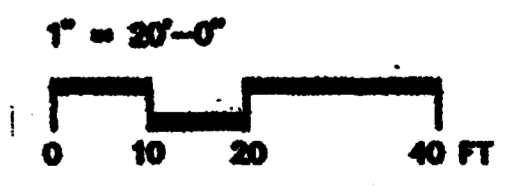
This review is limited to general conformance of the product and general compliance with the contract documents and it in no way relieves the subcontractor of his responsibilities either expressed or implied within the contract documents. The subcontractor is responsible for obtaining and coordinating all dimensions on the project site, including all construction, coordination of his work and other trades and satisfactory performance of the work.

CONSTRUCTION TECHNOLOGY GROUP, INC.
 DATE: 1/24/05 BY: URS

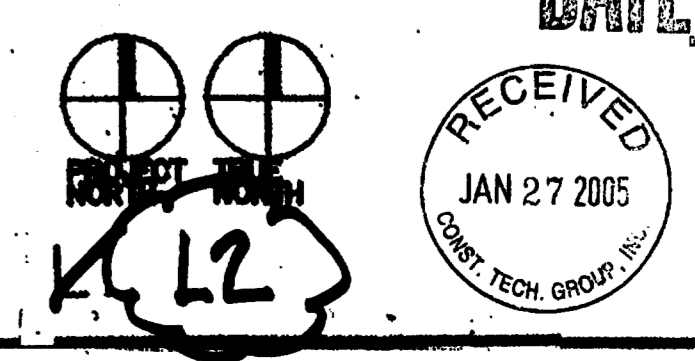
Project No.	Date
0001	1-24-05



IRRIGATION PLAN



RECORD DWG.
DATE 2/26/05



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(e-mail)

(Signature)
John L. Smay, R.L.S.
L.A. No. 0001032
State of Florida
Charlotte Engineering & Surveying, Inc.
Corporation No. 2904

CONTRACTOR TO TIE INTO EXISTING 2" MAIN (VERIFY CONNECTION LOCATION WITH THE CITY OF TAMPA). CONNECT ELECTRIC VALVE WIRES TO EXISTING CONTROLLER (VERIFY LOCATION WITH THE CITY OF TAMPA). SYSTEM DESIGN CRITERIA AT POINT OF CONNECTION PROVIDED BY THE CITY OF TAMPA. (20 PSL TO GEN). IRRIGATION CONTROLLER SHALL BE EQUIPPED WITH A RAIN OR MOISTURE SENSING DEVICE. (VERIFY WITH THE CITY OF TAMPA).

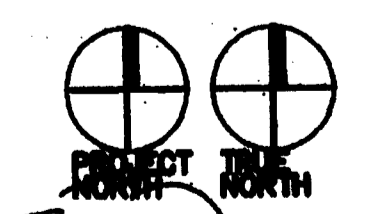
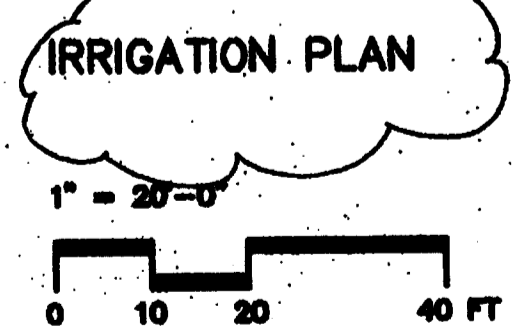
NORTH 15th STREET

IRRIGATION CALCULATIONS:
TOTAL SITE AREA - 89,879 SF
LESS IMPERVIOUS AND STORMWATER AREA - <42,709 SF>
TOTAL GREENSPACE AREA - 27,170 SF
ALLOWABLE IRRIGATED TURFGRASS(50%) - 13,585 SF
ALLOWABLE IRRIGATED AREA(OTHER THAN MICROSPRAY) - 13,585 SF
IRRIGATION PROVIDED:
PLANTING BEDS (OTHER THAN MICROSPRAY) - 6353 SF (23.3%)
TURFGRASS(OTHER THAN MICROSPRAY) - 5899 SF (21.7%)
TOTAL IRRIGATED AREA - 12,252 SF (45%)

CUSCADEN POOL RENOVATION

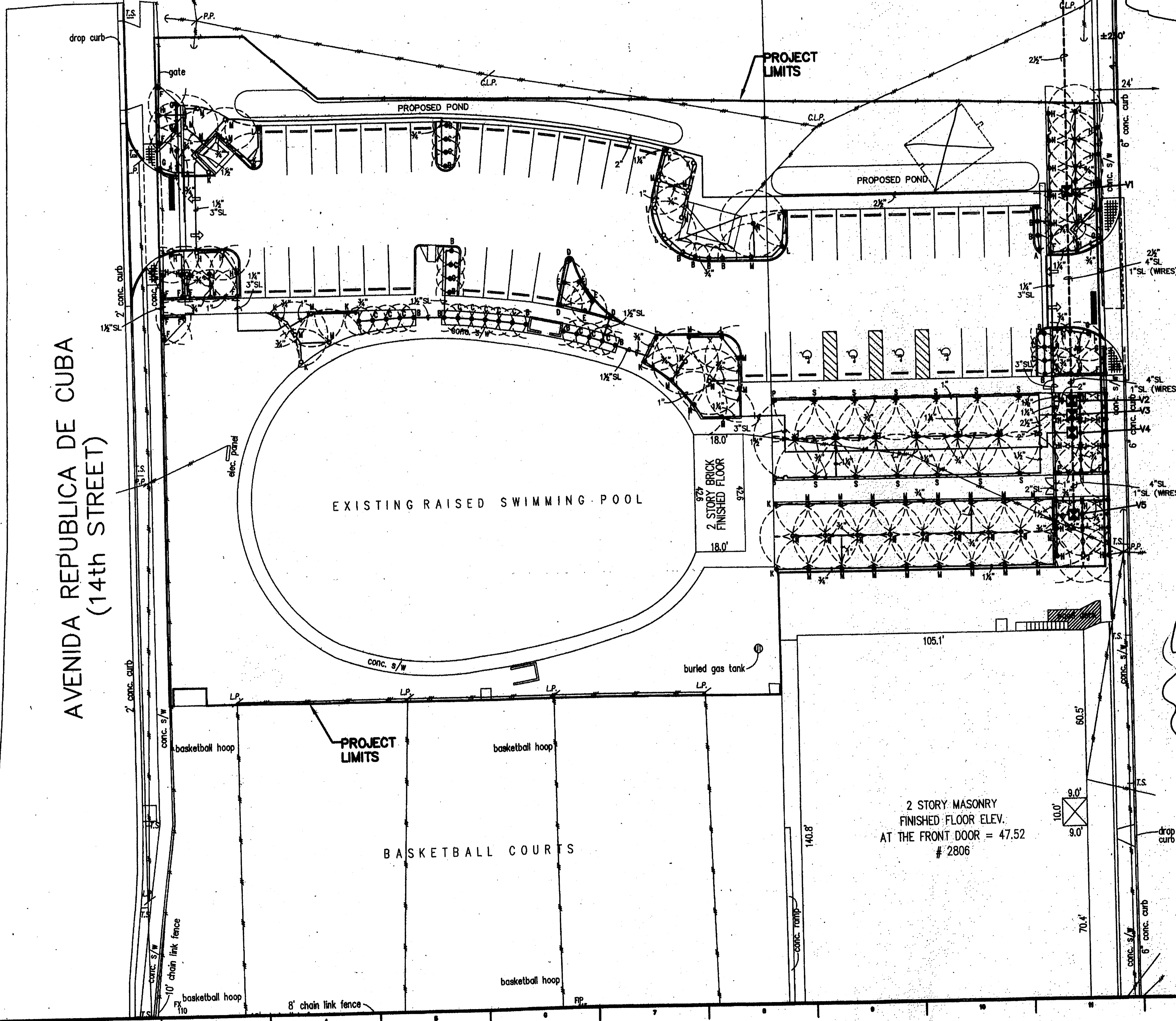
CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.0202.00	
Distribution	Date
BD DOCUMENTS	02.02.04
REV. FOR COMMENTS	08.08.04
REVISION 2	5.07.05



L2 RECORD DWG.

DATE 8/26/05 217 009



AVENIDA REPUBLICA DE CUBA (14th STREET)

EXISTING RAISED SWIMMING POOL

PROJECT LIMITS

PROJECT LIMITS

BASKETBALL COURTS

2 STORY MASONRY FINISHED FLOOR ELEV. AT THE FRONT DOOR = 47.52 # 2806

SEE SOURCE DRAWING

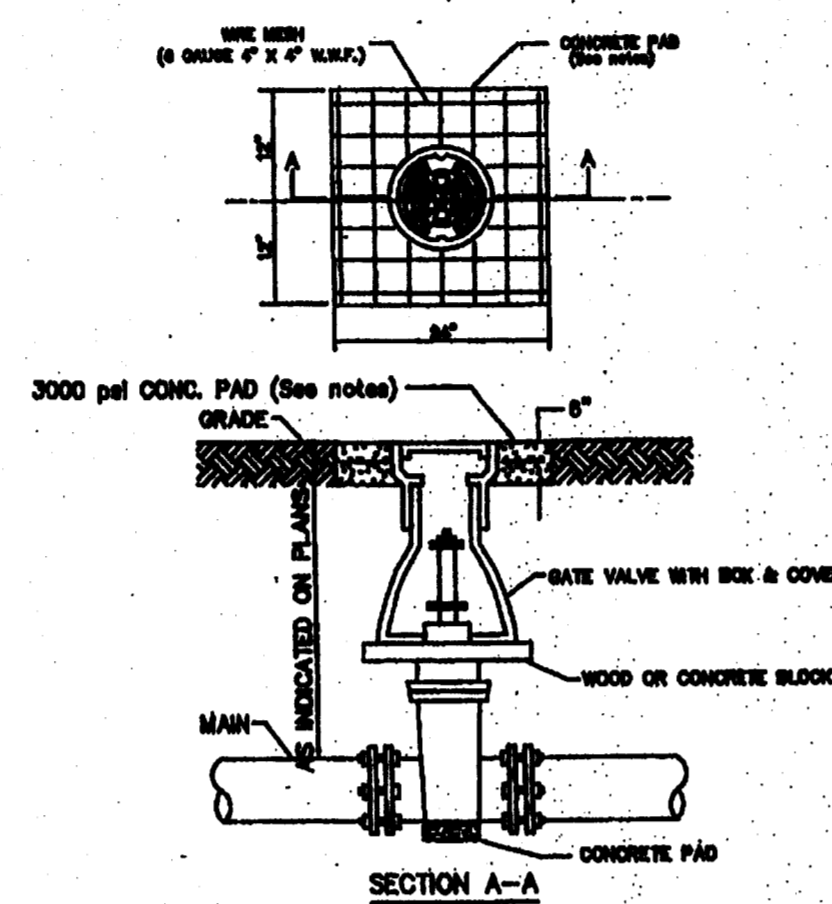
SYM. EQUIPMENT

○	Rainbird 1800-PRS Series 4" Pop-Up Sprinkler Model No. 1804-PRS. See Plan For Nozzle Size
●	Rainbird 1800-PRS Series 12" Pop-Up Sprinkler Model No. 1812-PRS. See Plan For Nozzle Size
Rainbird MPR Nozzles	
A	5Q - 0.10 gpm @ 30 psi/5' Spacing
B	5H - 0.20 gpm @ 30 psi/5' Spacing
C	5F - 0.41 gpm @ 30 psi/5' Spacing
D	8Q - 0.26 gpm @ 30 psi/8' Spacing
E	8H - 0.52 gpm @ 30 psi/8' Spacing
F	10Q - 0.39 gpm @ 30 psi/10' Spacing
G	10T - 0.53 gpm @ 30 psi/10' Spacing
H	10H - 0.79 gpm @ 30 psi/10' Spacing
J	10F - 1.58 gpm @ 30 psi/10' Spacing
K	12Q - 0.65 gpm @ 30 psi/12' Spacing
L	12T - 0.87 gpm @ 30 psi/12' Spacing
M	12H - 1.30 gpm @ 30 psi/12' Spacing
N	12F - 2.60 gpm @ 30 psi/12' Spacing
P	15Q - 0.92 gpm @ 30 psi/15' Spacing
R	15T - 1.23 gpm @ 30 psi/15' Spacing
S	15H - 1.85 gpm @ 30 psi/15' Spacing
T	15F - 3.70 gpm @ 30 psi/15' Spacing
U	12TT - 1.75 gpm @ 30 psi/12' Spacing
☒	Irritrol 200B Series, 2" Electric Valve, Model 217B with Manual Flow Control
⊕	2 1/2" Gate Valve (Per City Of Tampa Specifications)

ZONE	GPM	PSI
V1	48.99	30
V2	40.50	30
V3	48.94	30
V4	19.88	30
V5	44.20	30

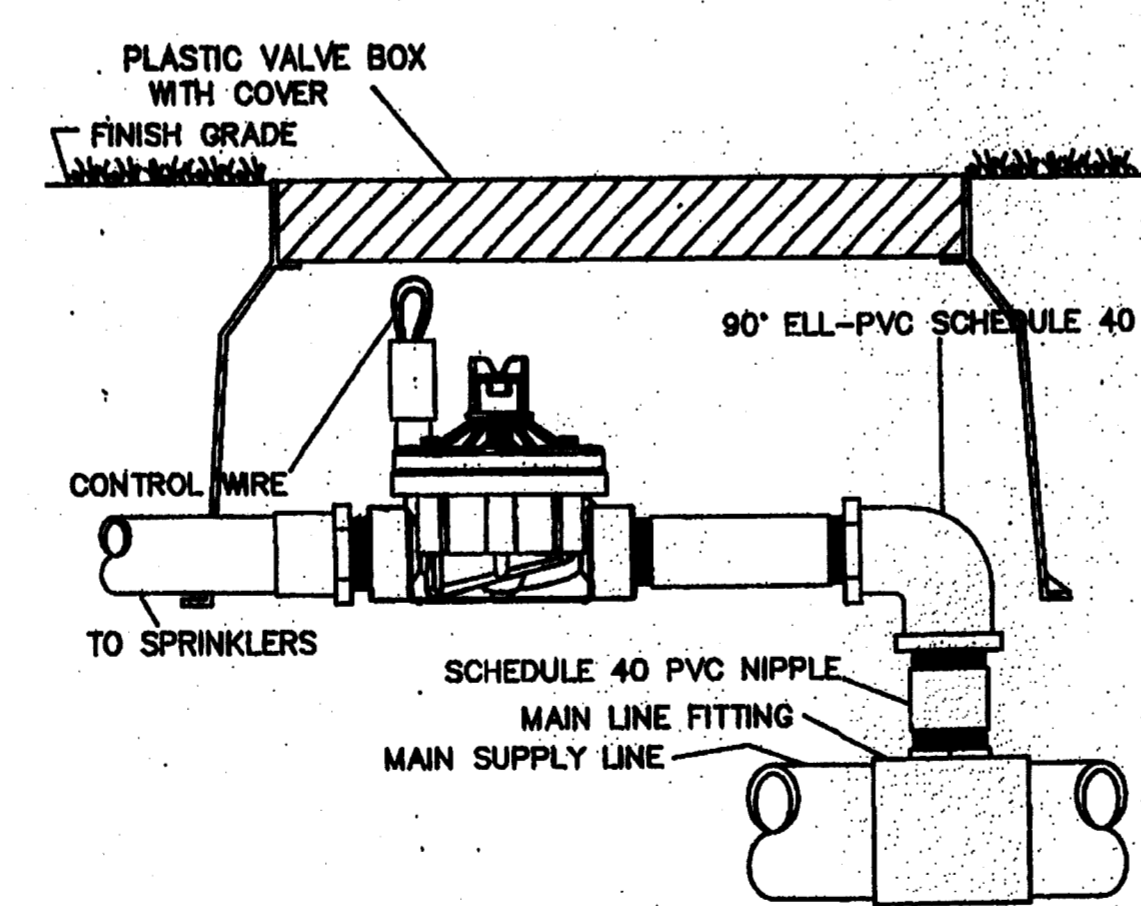
WATER SCHEDULE

SPRAYS	WEEK 1	WEEK 2	WEEK 3
	DAILY / (2) CYCLES PER DAY / 20 MINUTES PER CYCLE	DAILY / (1) CYCLE PER DAY / 20 MINUTES PER CYCLE	(3) CYCLES PER WEEK / (1) CYCLE PER DAY / 20 MINUTES PER CYCLE
NOTE: AFTER WEEK 3, SET WATERING SCHEDULE TO COMPLY WITH ALL LOCAL & STATE WATERING RESTRICTIONS.			

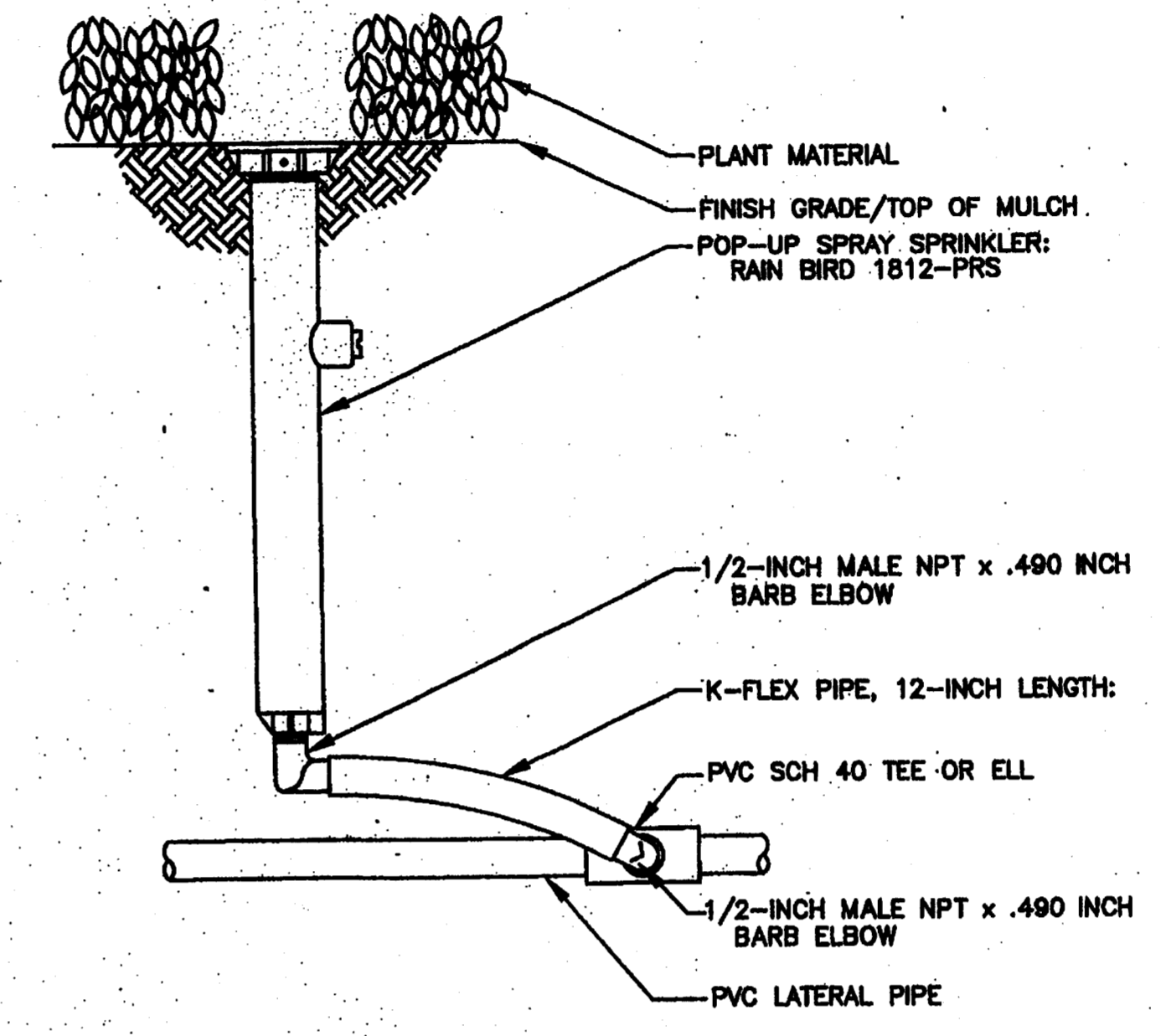


- Notes:**
- Pod Required When:
 - When valve box is installed in pavement (includes roadways, driveways, etc.).
 - As directed by the Engineer.
 - Cast iron valve boxes shall be firmly supported and maintained centered and plumb over the operating nut of the valve by the contractor with valve box cover flush with the surface of the finished pavement or at such other level as may be directed.

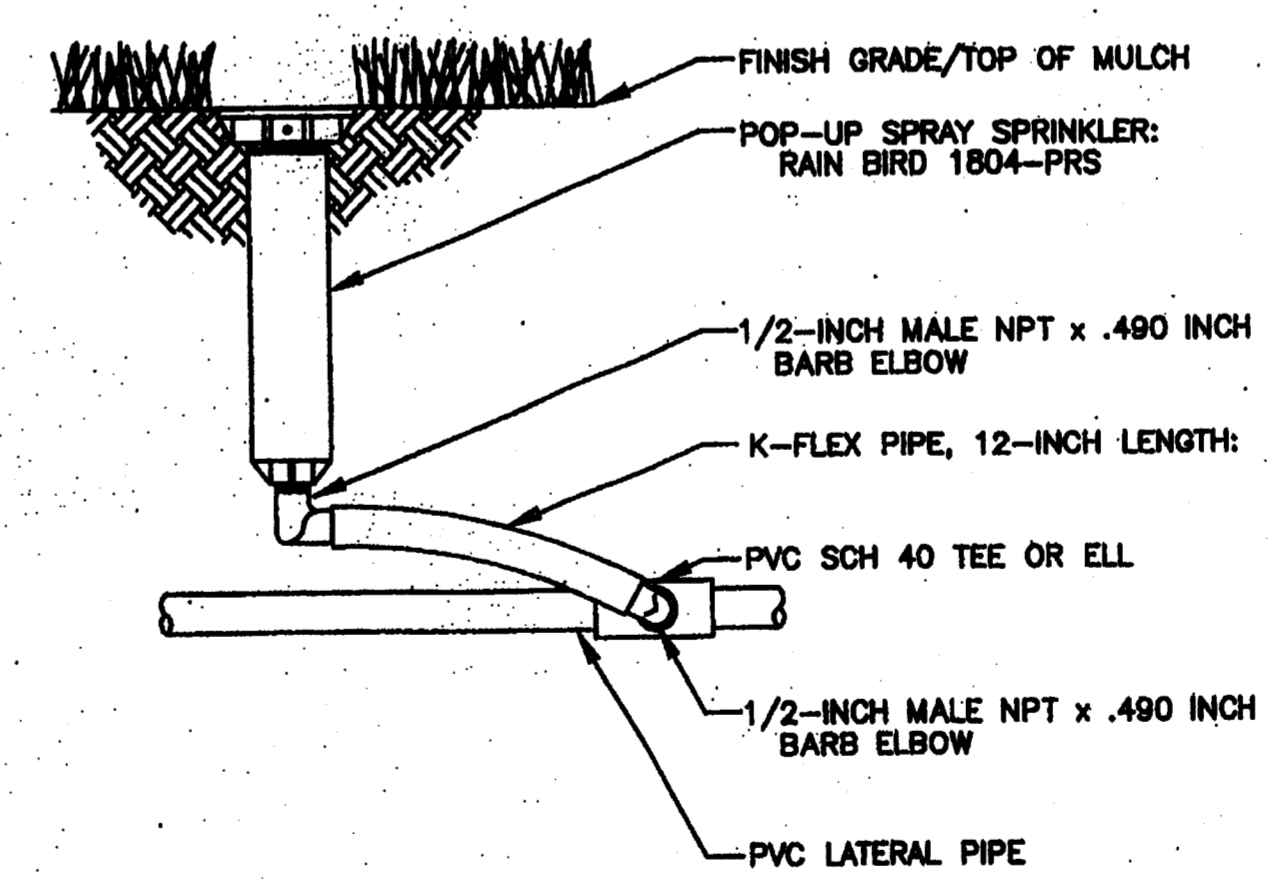
TYPICAL GATE VALVE VALVE BOX AND PAD INSTALLATION



IRRITROL 200B SERIES ELECTRIC VALVE



RAINBIRD 1800-PRS 12" POP-UP



RAINBIRD 1800-PRS 4" POP-UP

CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

Distribution	Date
BD DOCUMENTS	02.02.04
REV. PER COMMENTS	06.03.04
REVISION 2	07.07.04

IRRIGATION SCHEDULES & DETAILS

MECHANICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
S/S	STAINLESS STEEL
W/	WITH
	SIGNAL TYPE (ALAO, DLDO)
	FUNCTIONAL DESCRIPTION

CONTROLS SYMBOL LEGEND	
SYMBOL	DESCRIPTION
AI	ANALOG INPUT
AO	ANALOG OUTPUT
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
T	TEMPERATURE SENSOR/TRANSMITTER
P	PRESSURE SENSOR/TRANSMITTER
CO2	CARBON DIOXIDE SENSOR/TRANSMITTER
TS	THERMOSTAT
	"AND" LOGIC GATE
	THREE INPUT "AND" LOGIC GATE
	SIGNAL OUT OF DIGITAL (EMCS) SOFTWARE INTO HARDWARE
	SIGNAL OUT OF HARDWARE INTO DIGITAL (EMCS) SOFTWARE
	"NOT" INPUT LOGIC

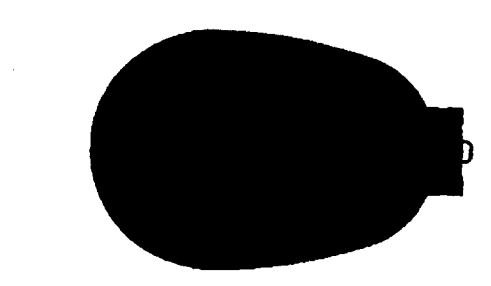
MECHANICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	NEW
	CONDENSING UNIT
	AIR MONITOR
	EXHAUST FAN
	SPLIT SYSTEM AIR HANDLER
	INSERT INDICATES TYPE OF AIR DEVICE (REFER TO SCHEDULE)
	KEY NOTE
	DIAMETER
	DIAMETER
- C.D. -	DIAMETER

MECHANICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	SUPPLY DUCT (SECTION)
	RETURN/EXHAUST DUCT (SECTION)
	RETURN/EXHAUST AIR
	UNDERCUT DOOR, DOORS SHALL HAVE A 3/4 INCH UNDERCUT. THIS CONTRACTOR SHALL COORDINATE ALL DOOR UNDERCUTS WITH DOOR INSTALLATION CONTRACTOR PRIOR TO BID.
	LOUVERED DOOR, DOOR LOUVERS SHALL BE MINIMUM 12" X 12". UNLESS OTHERWISE NOTED ON THE DRAWINGS, THIS CONTRACTOR SHALL COORDINATE ALL DOOR LOUVERS WITH DOOR INSTALLATION CONTRACTOR PRIOR TO BID.
	DROP IN DUCT ELEVATION
	90 DEGREE SQUARE ELBOW WITH TURNING VANES
	DUCT TEE WITH TURNING VANES AND SPLITTER
	VOLUME DAMPER
	FLEXIBLE CONNECTION IN DUCT
	BRANCH TAKE-OFF WITH SHOE FITTING
	RECTANGULAR TO ROUND TRANSITION (SINGLE LINE)
	SPIN-IN FITTING WITH VOLUME DAMPER
	SPIN-IN FITTING WITH OUT VOLUME DAMPER
	MOTORIZED DAMPER
	SMOKE DETECTORS, WITH 6X6 ACCESS DOOR
	RIGID TO FLEXIBLE DUCT TRANSITION
	90 DEGREE SQUARE ELBOW WITH TURNING VANES
	VOLUME DAMPER
	PIPE DOWN

MECHANICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	VIBRATION ISOLATOR
	ANGLE GATE VALVE W/ HOSE BIB
	PRESSURE REDUCING VALVE
	3-WAY CONTROL VALVE
	SHUT-OFF VALVE IN VALVE BOX
	COMBINATION MAGNETIC MOTOR STARTER

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ENGINEERING MATRIX, INC.
CONSULTING ENGINEERS
2000 GORHAM ROAD, SUITE 200
ST. PETERSBURG, FLORIDA 33710
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WWW.EMATRIX.COM



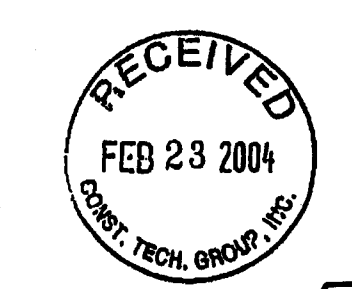
**CUSCADEN
POOL
RENOVATION**

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

Legend -
Mechanical

RECORD DWG.
DATE 8/26/05

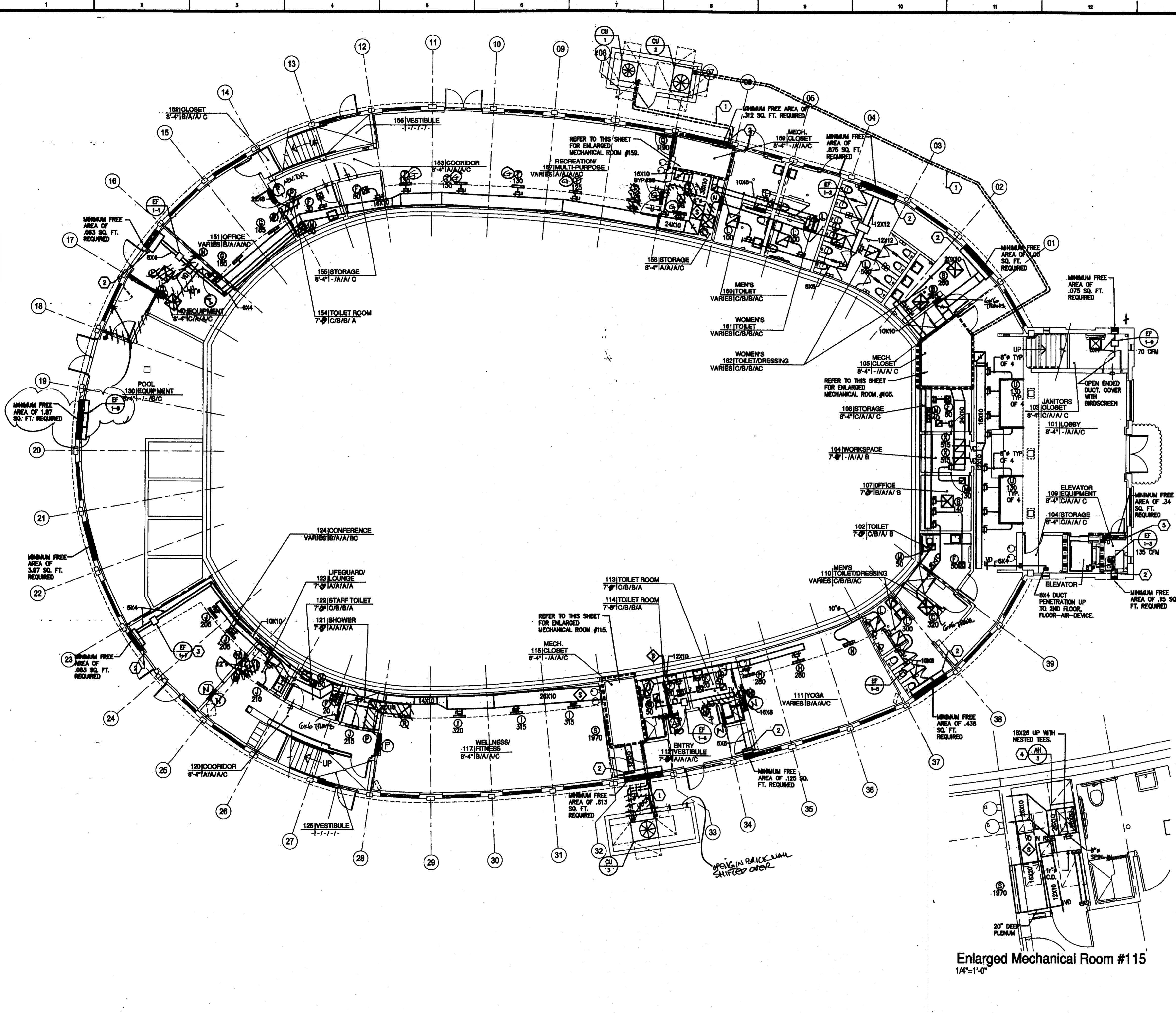


M001



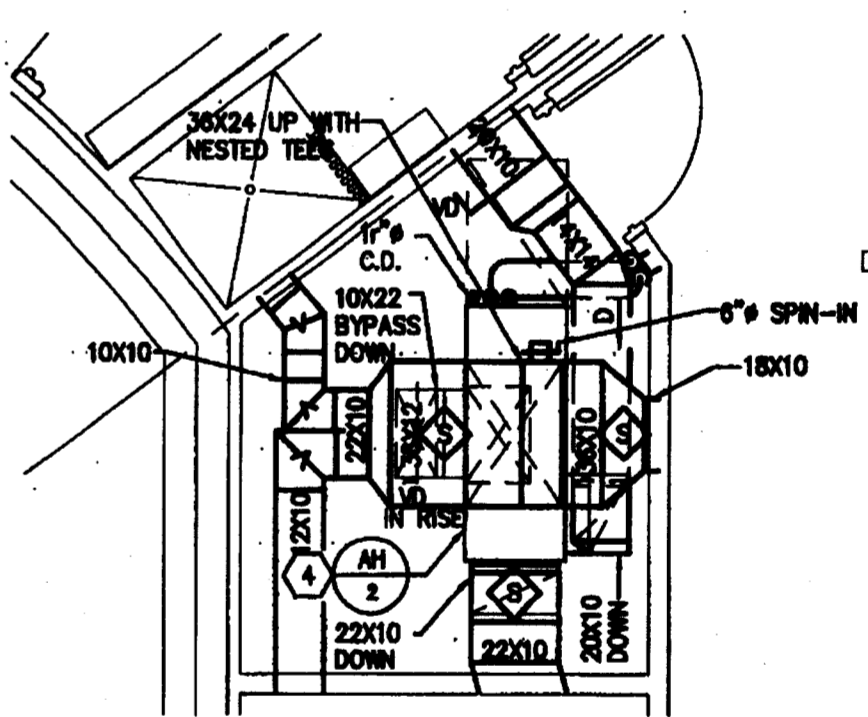
Legend - Mechanical

None

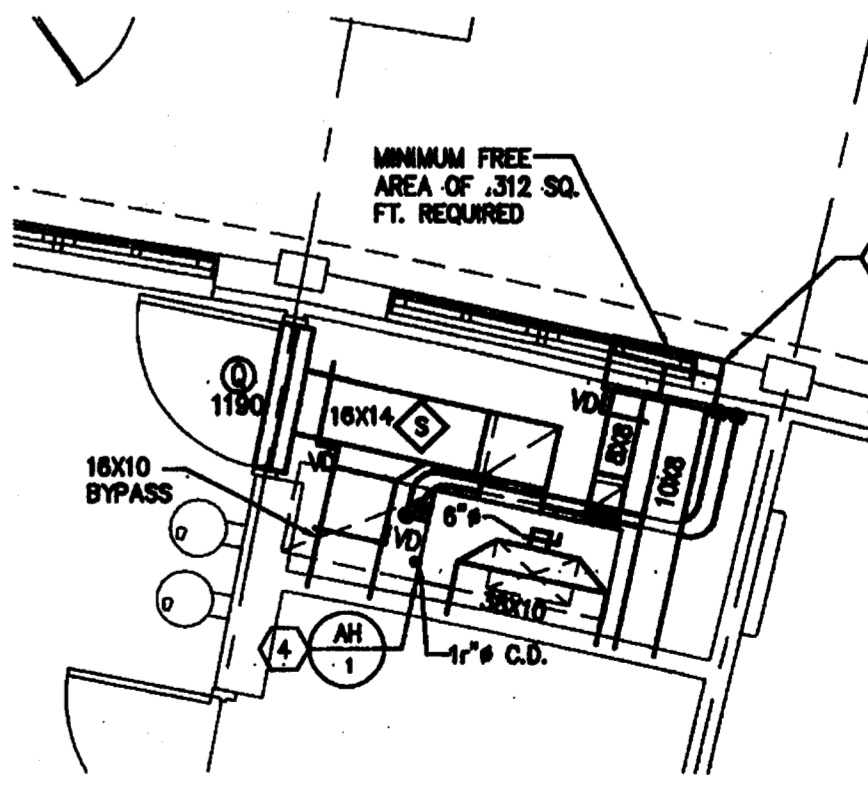


- ### GENERAL NOTES
1. INSTALL ALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
 2. PROVIDE ALL TRANSITIONS, FITTINGS, ELBOWS, DUCTWORK, PIPING, SUPPORTS, ETC. NECESSARY FOR A PROPER INSTALLATION AND OPERATION OF NEW HVAC SYSTEM.
 3. COORDINATE INSTALLATION WORK WITH OTHER TRADES TO AVOID CONFLICTS.
 4. COORDINATE EXACT LOCATIONS OF NEW MECHANICAL EQUIPMENT WITH LIGHT LOCATIONS, TILE LOCATIONS, AND OTHER EQUIPMENT. REFER TO ARCHITECTS REFLECTED CEILING PLAN LAYOUT.
 5. ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
 6. INSTALL ALL DUCTWORK AND EQUIPMENT TIGHT TO DECK.
 7. DUCT DETECTORS SHOWN ON PLANS ARE DIAGNOSTIC. REFER TO MANUFACTURERS INSTRUCTIONS FOR EXACT/OPTIMUM LOCATION IN DUCT.

- ### KEYED NOTES
1. REFRIGERANT LINES BELOW GRADE RISE IN MECHANICAL ROOM, ALONG WALL THEN RUN OVERHEAD TO AIR HANDLER. COVER RISE WITH ALUMINUM JACKET, NUMBER AND SIZE OF REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS, BASED ON THE ACTUAL ROUTING, PRESSURE DROP, AND LENGTH OF PIPING FOR THE REQUIREMENTS OF THE UNIT. REFER TO DETAIL ON SHEET M3.2.
 2. PROVIDE SHEET METAL PLENUM ABOVE CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR CONCEALMENT OF PLENUM ABOVE CEILING.
 3. PROVIDE WITH ACCESS DOOR BELOW EXHAUST FAN, LARGE ENOUGH TO REMOVE EXHAUST FAN, AND IN NO CASE SMALLER THAN 22"X36".
 4. PROVIDE STRUCTURAL SHEET METAL PLENUM BELOW AIR HANDLER, STRONG ENOUGH TO SUPPORT AIR HANDLER AND TALL ENOUGH TO CONNECT RETURN AIR, OUTDOOR AIR, AND BYPASS AIR DUCTS.
 5. FIRE DAMPER IN PLENUM ABOVE DOOR, AFFIXED TO TRANSFER AIR GRILLE; COORDINATE WITH ARCHITECTURAL DRAWINGS.



Enlarged Mechanical Room #105
1/4"=1'-0"



Enlarged Mechanical Room #115
1/4"=1'-0"



Enlarged Mechanical Room #159
1/4"=1'-0"

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CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

First Floor - Mechanical

RECORD DRAWING
DATE 8/21
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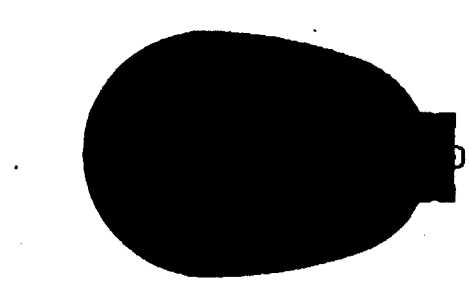
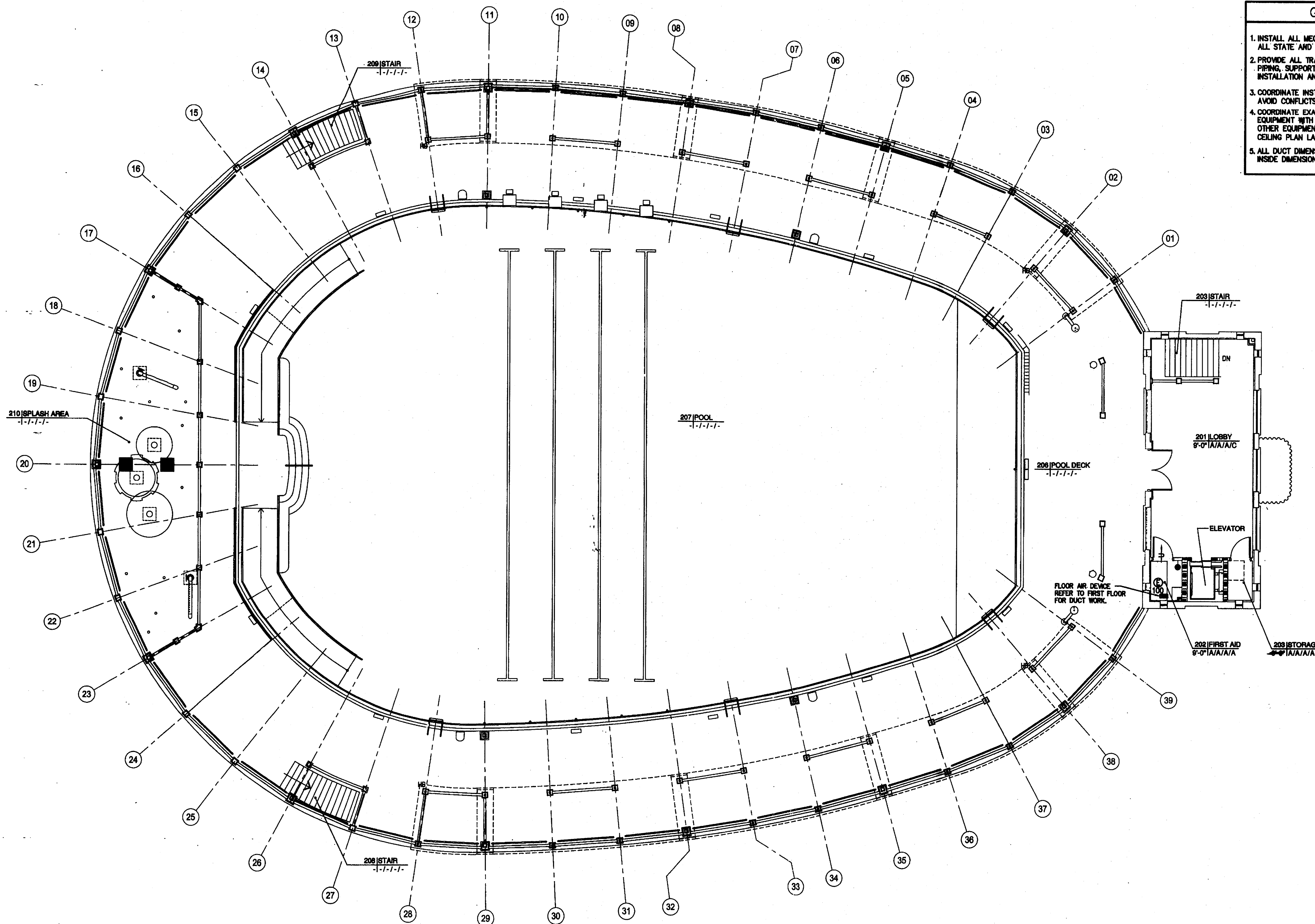
PROJECT NORTH
TRUE NORTH
M201
217/009

First Floor - Mechanical

1/8"=1'-0"

GENERAL NOTES

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CUSCADEN POOL RENOVATION

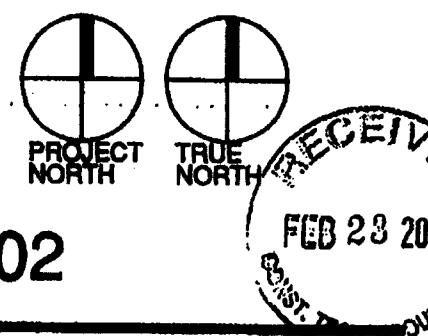
CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

Distribution	Date
BID DOCUMENTS	02.02.04

Second Floor Pool Deck - Mechanical

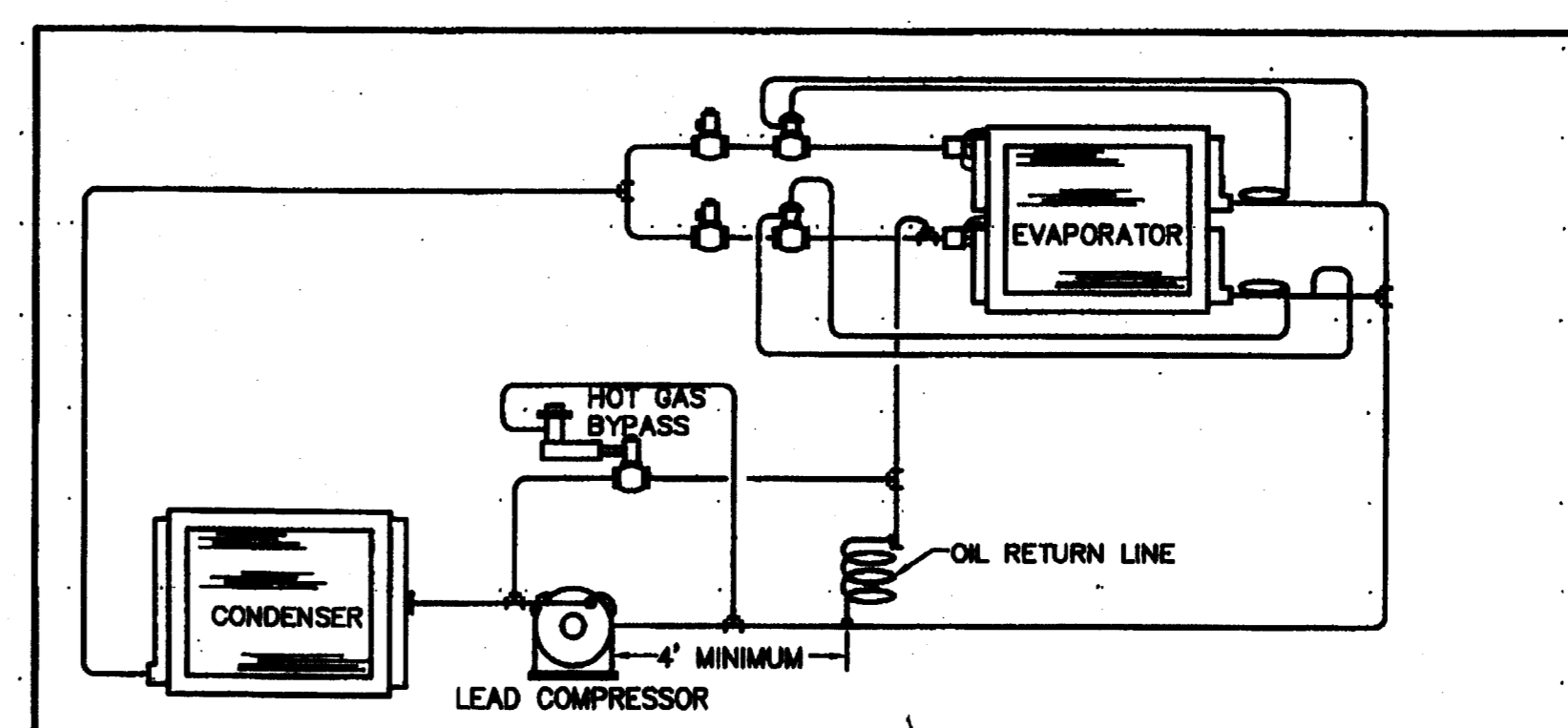
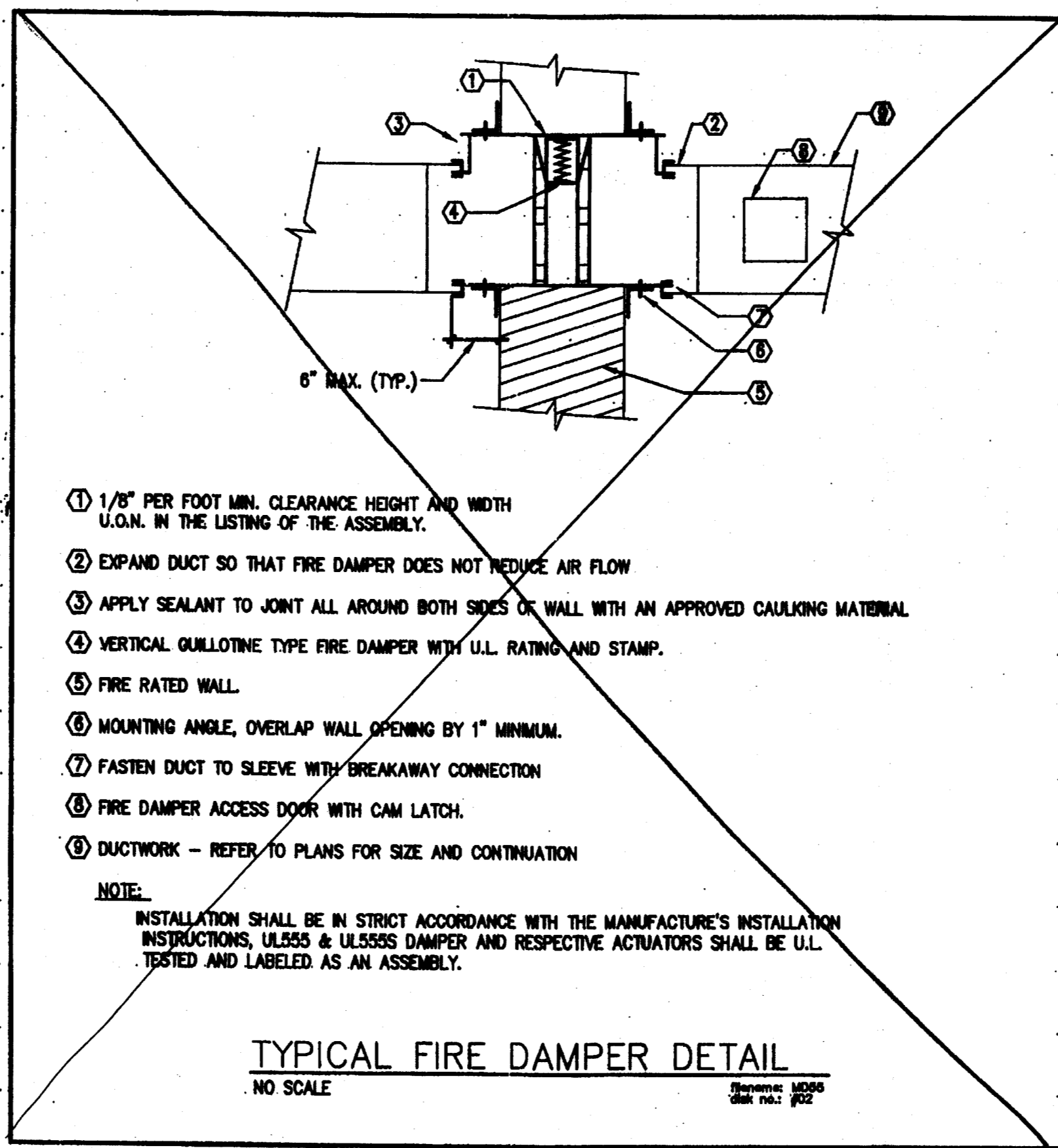
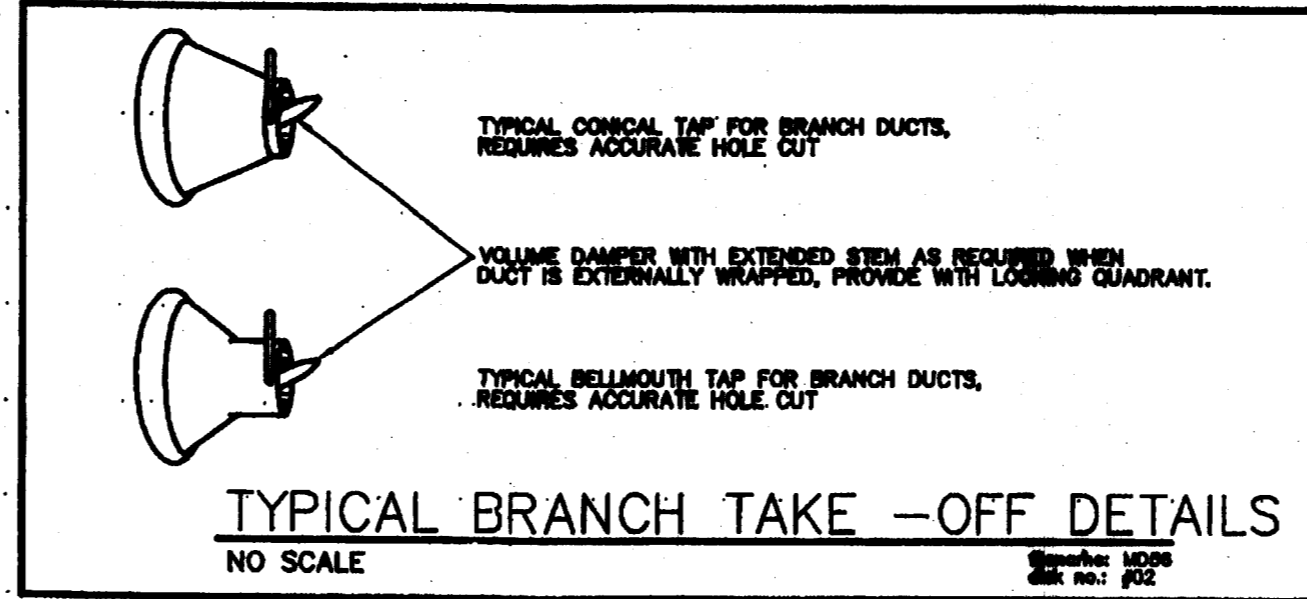
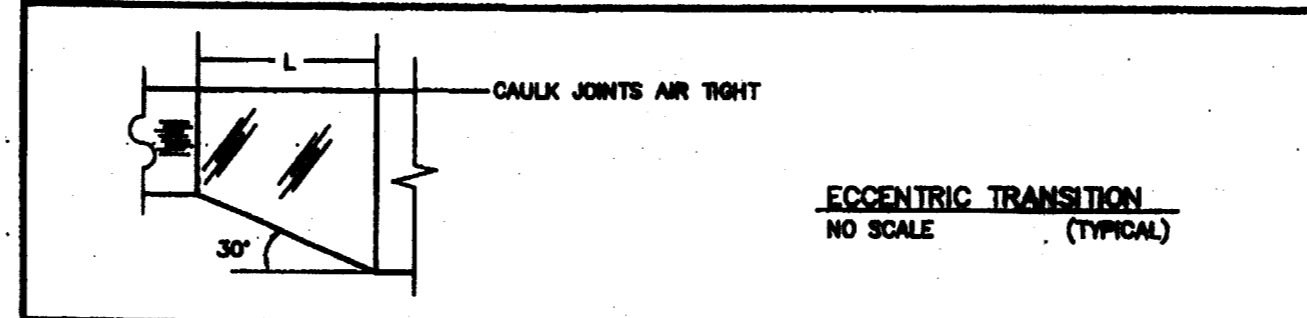
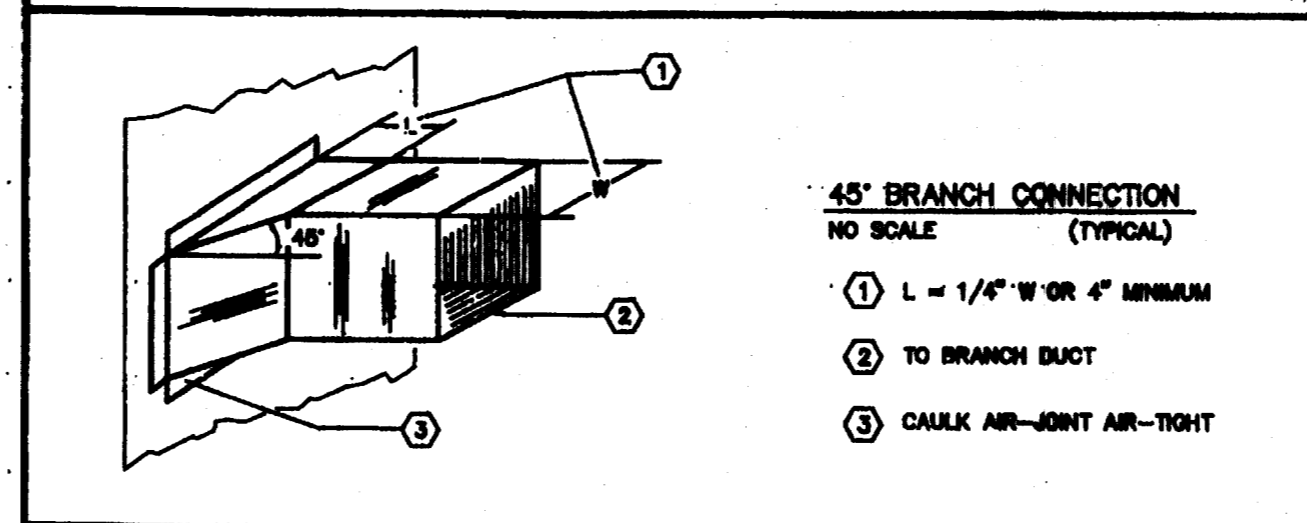
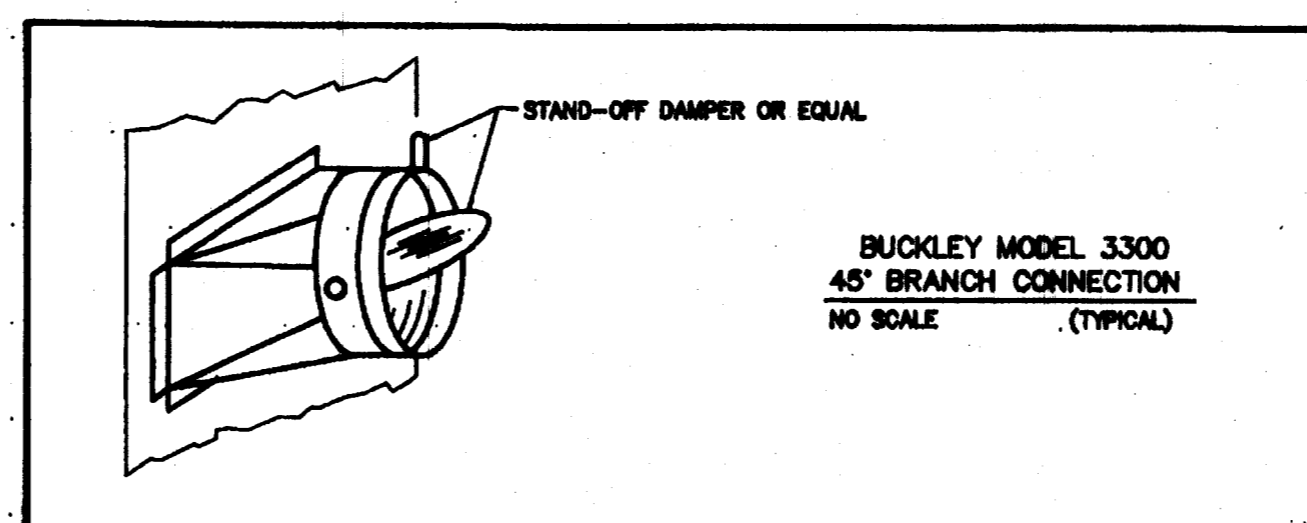
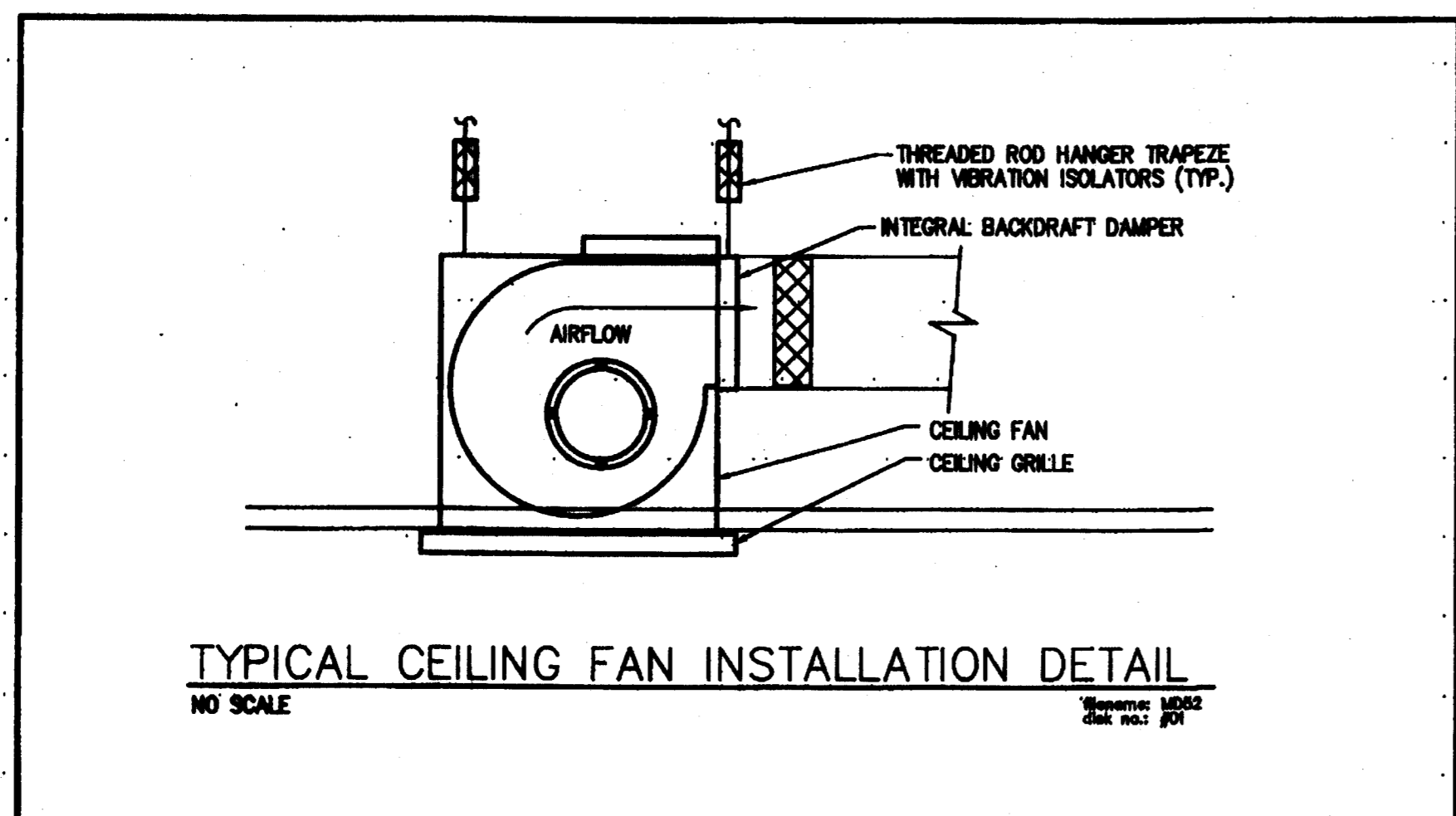
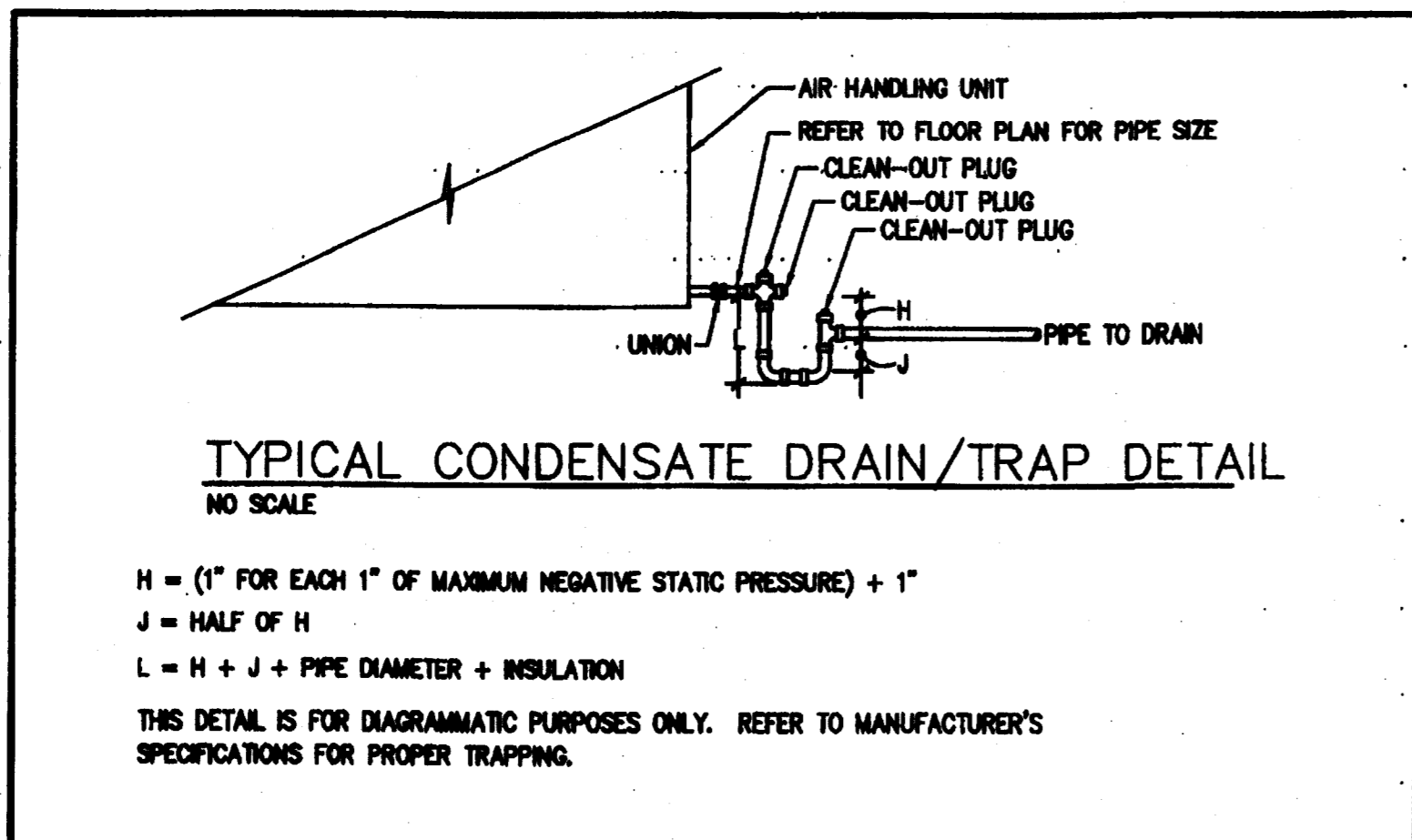
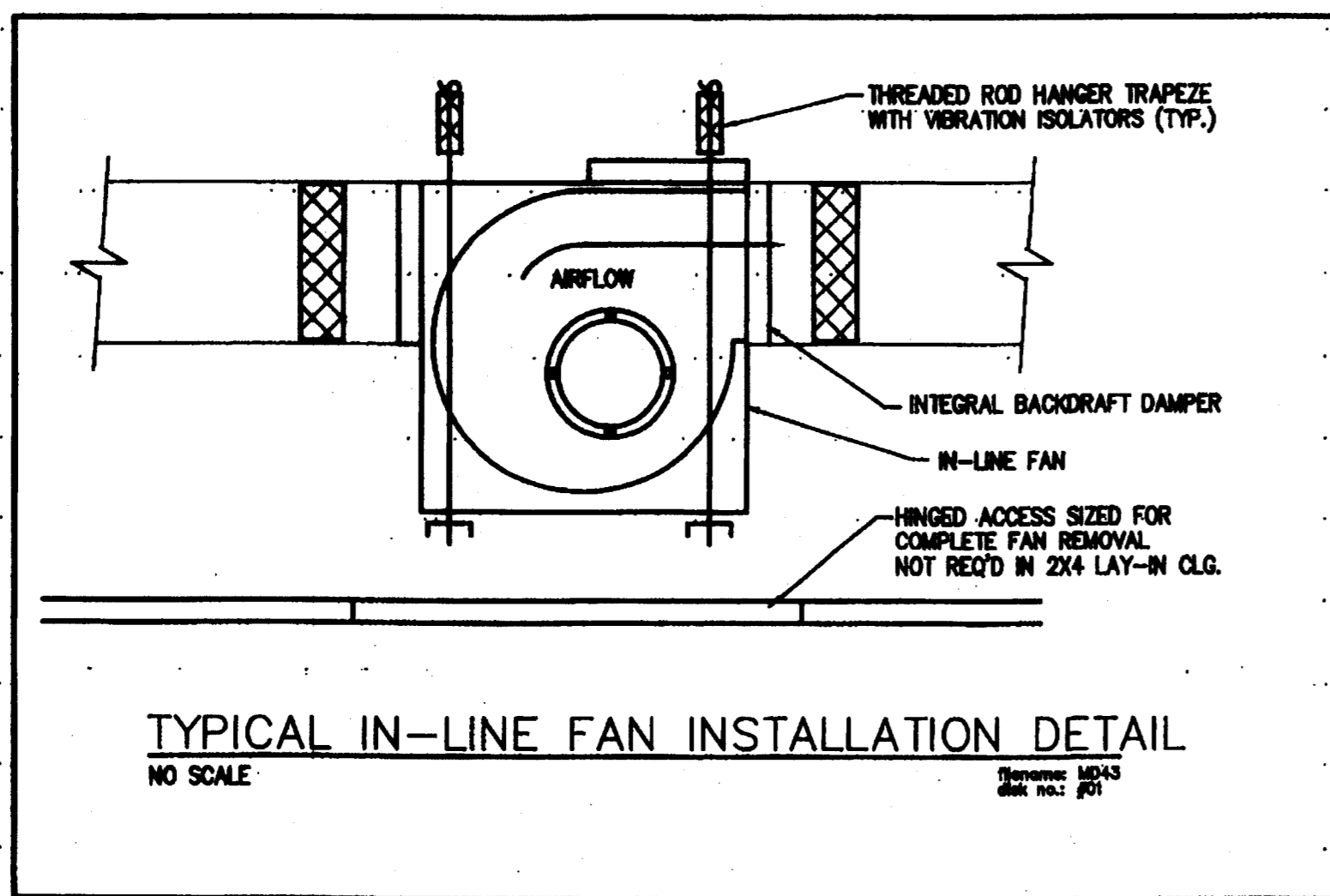
RECORD
DATE 2/26



M202

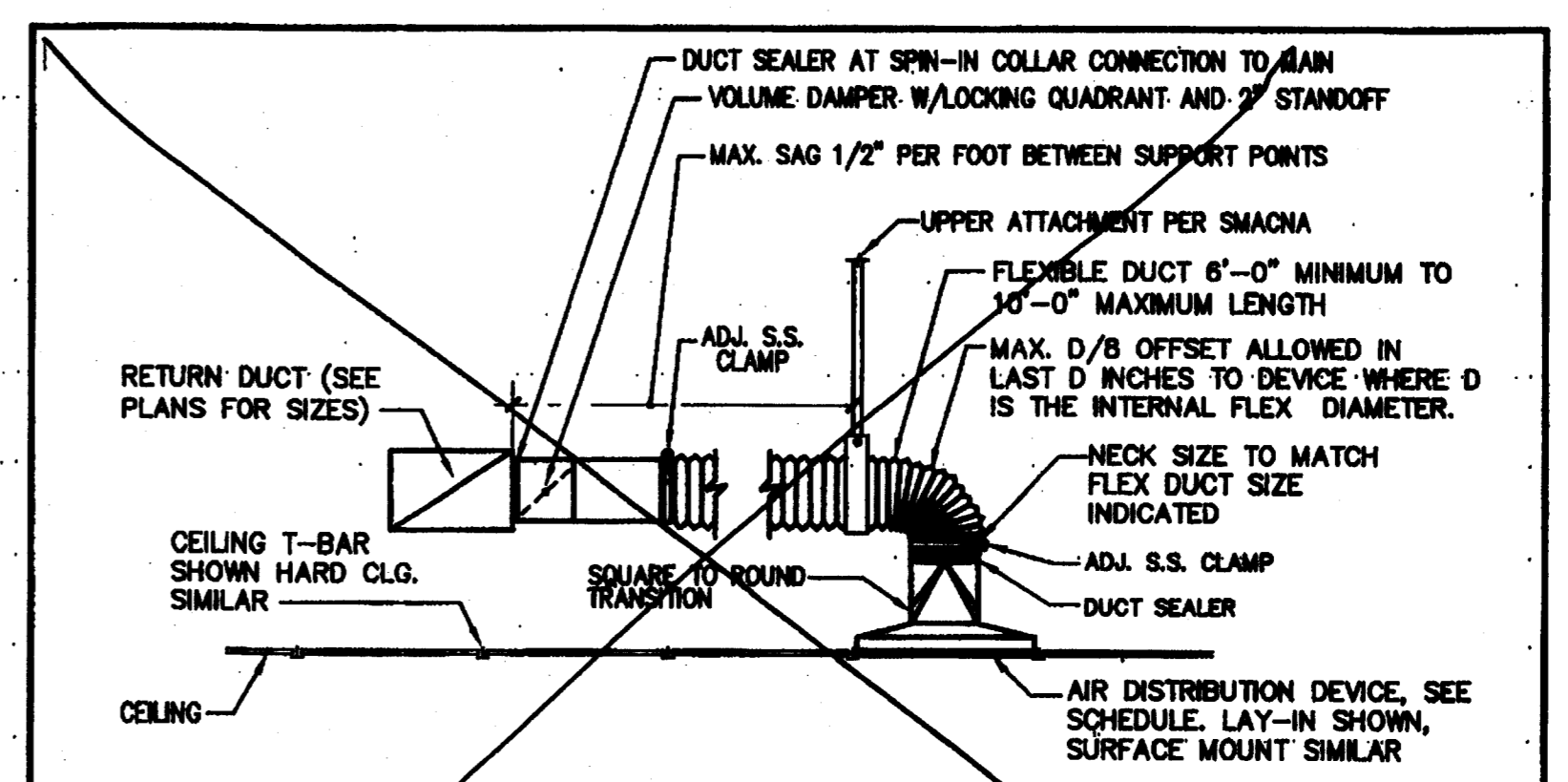
Second Floor Pool Deck - Mechanical

1/8"=1'-0"



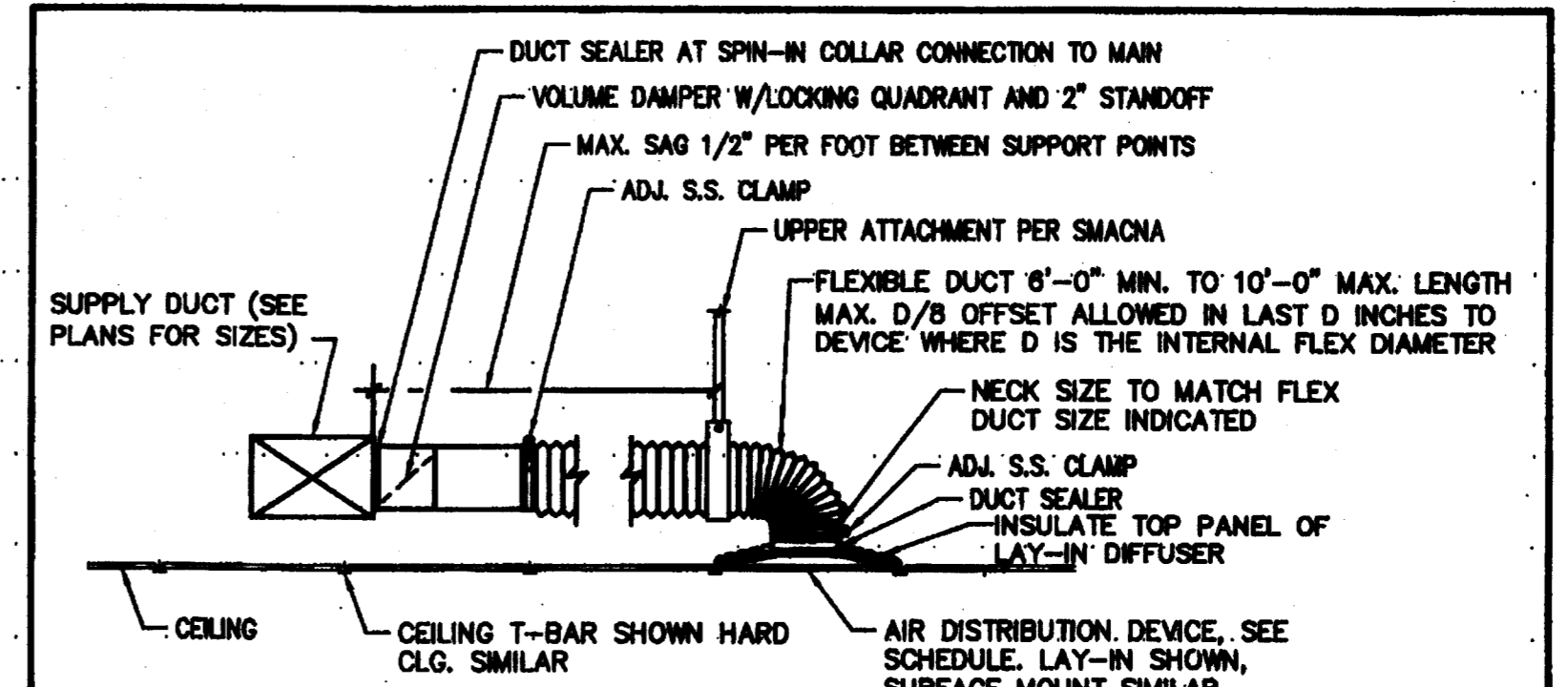
NOTES:

- INSULATE THE FULL LENGTH OF THE HOT GAS BYPASS LINE.
- THE BYPASS LINE MUST BE ROUTED IN A MANNER THAT WILL NOT PERMIT OIL TRAPPING.
- HOT GAS LINE SHALL BE A MAXIMUM OF 35 FEET IN LENGTH. RUNS OF OVER 35 FEET SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- SIZE ALL REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDED SIZES.



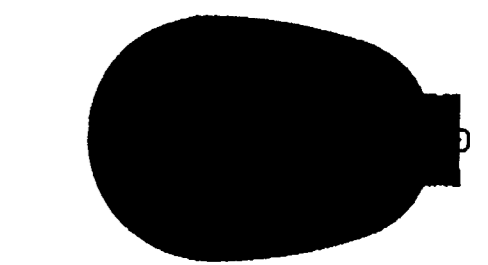
FLEXIBLE DUCT NOTES

- FLEXIBLE DUCTS SHALL BE ONE-PIECE AND SHALL NOT BE SPLICED TOGETHER.
- EXTEND FLEXIBLE DUCT INSULATION TO DUCT/DIFFUSER PANEL INSULATION AND SEAL WITH MASTIC.
- MIN. 1" WIDE 22 GALV. STRAP HANGER WITH HEMMED EDGES PER SMACNA FIGURE 3-10.
- FLEXIBLE AIR DUCT SHALL BE FULLY EXTENDED AND NOT COMPRESSED WITH ELBOW RADIUS NO LESS THAN R/D = 1.0



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CUSCADEN
POOL
RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

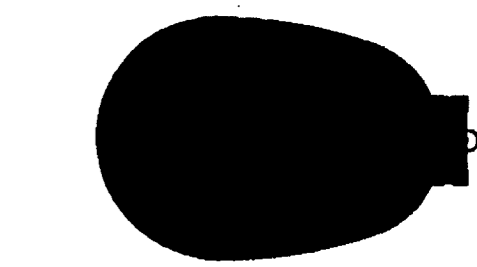
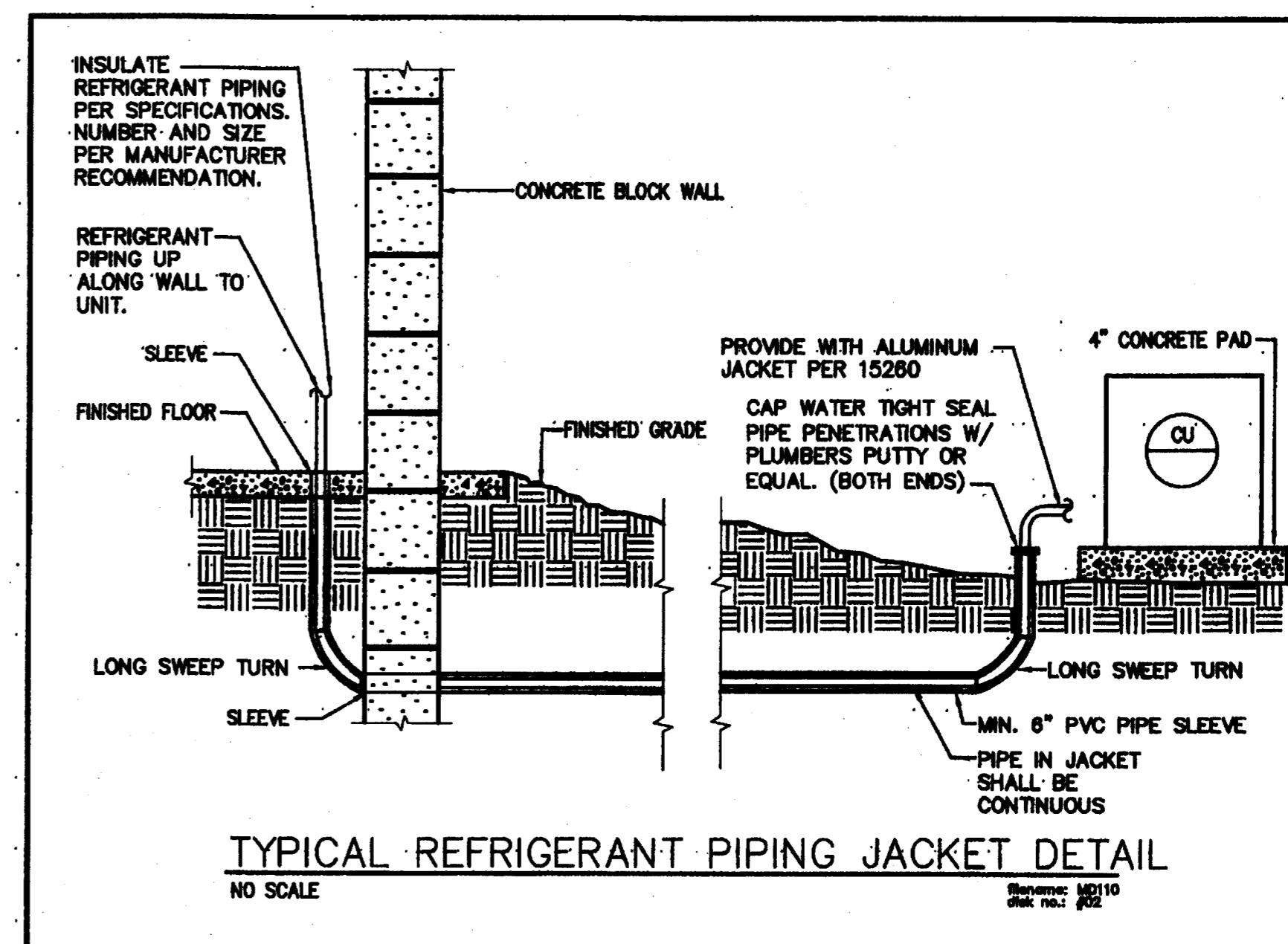
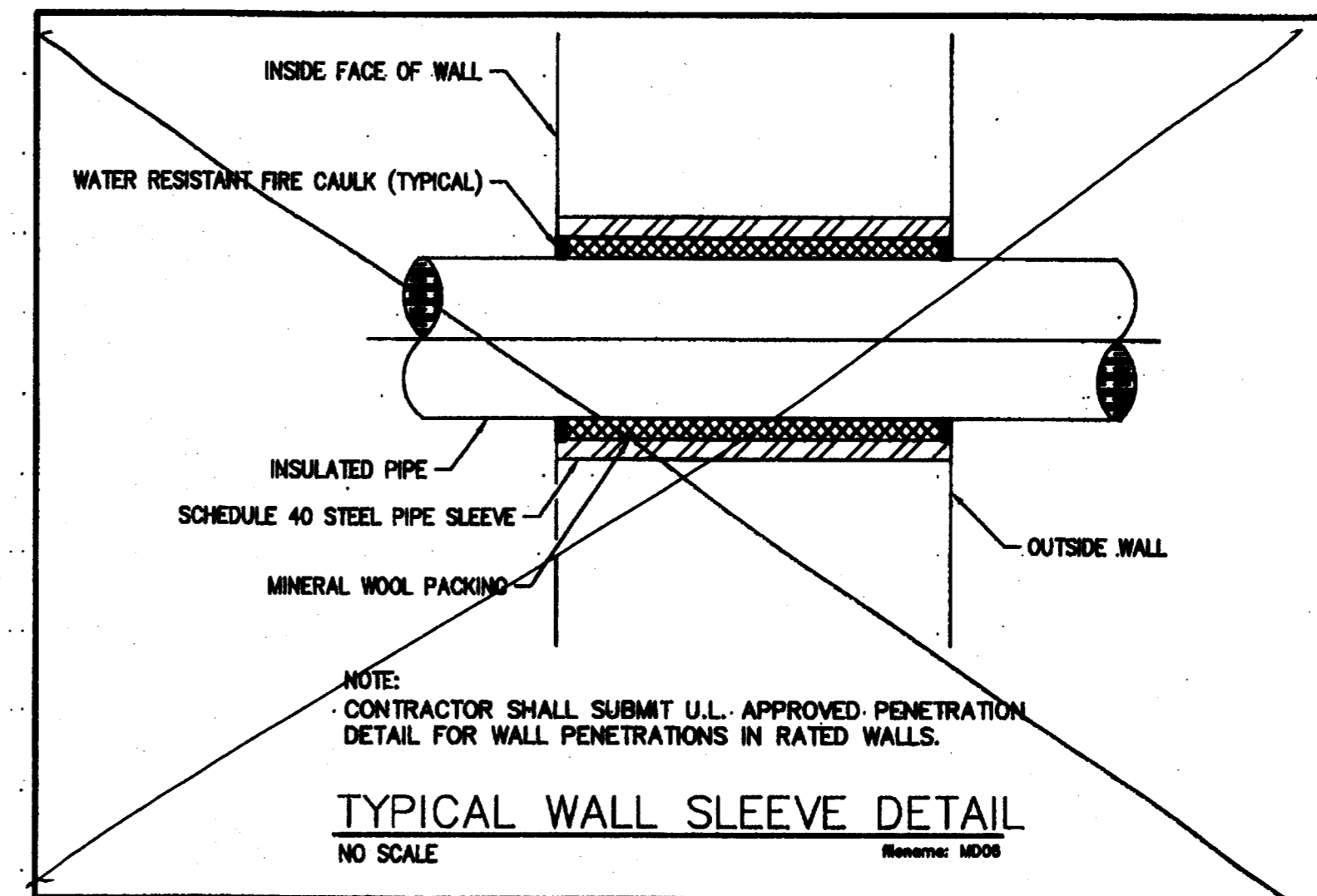
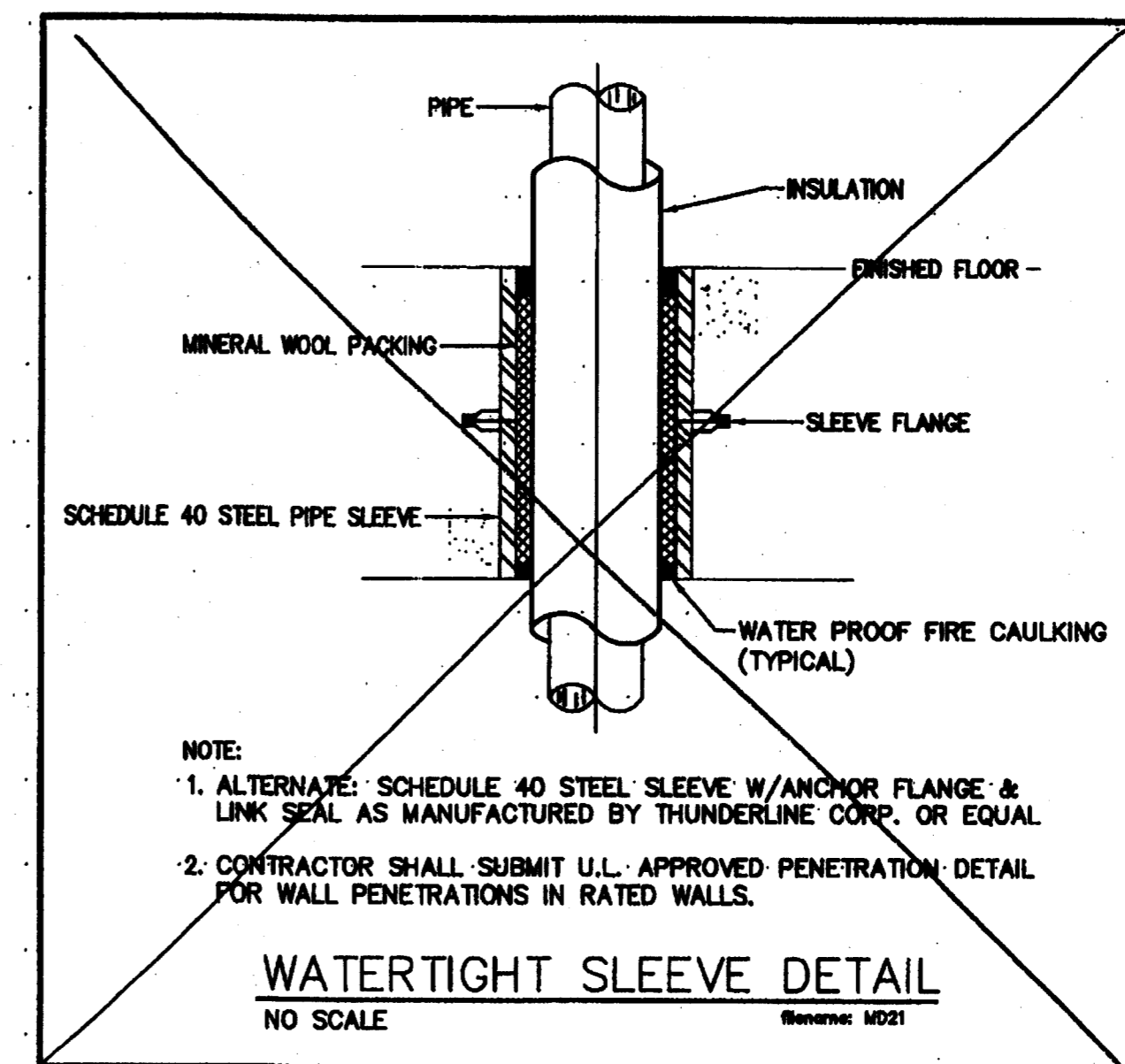
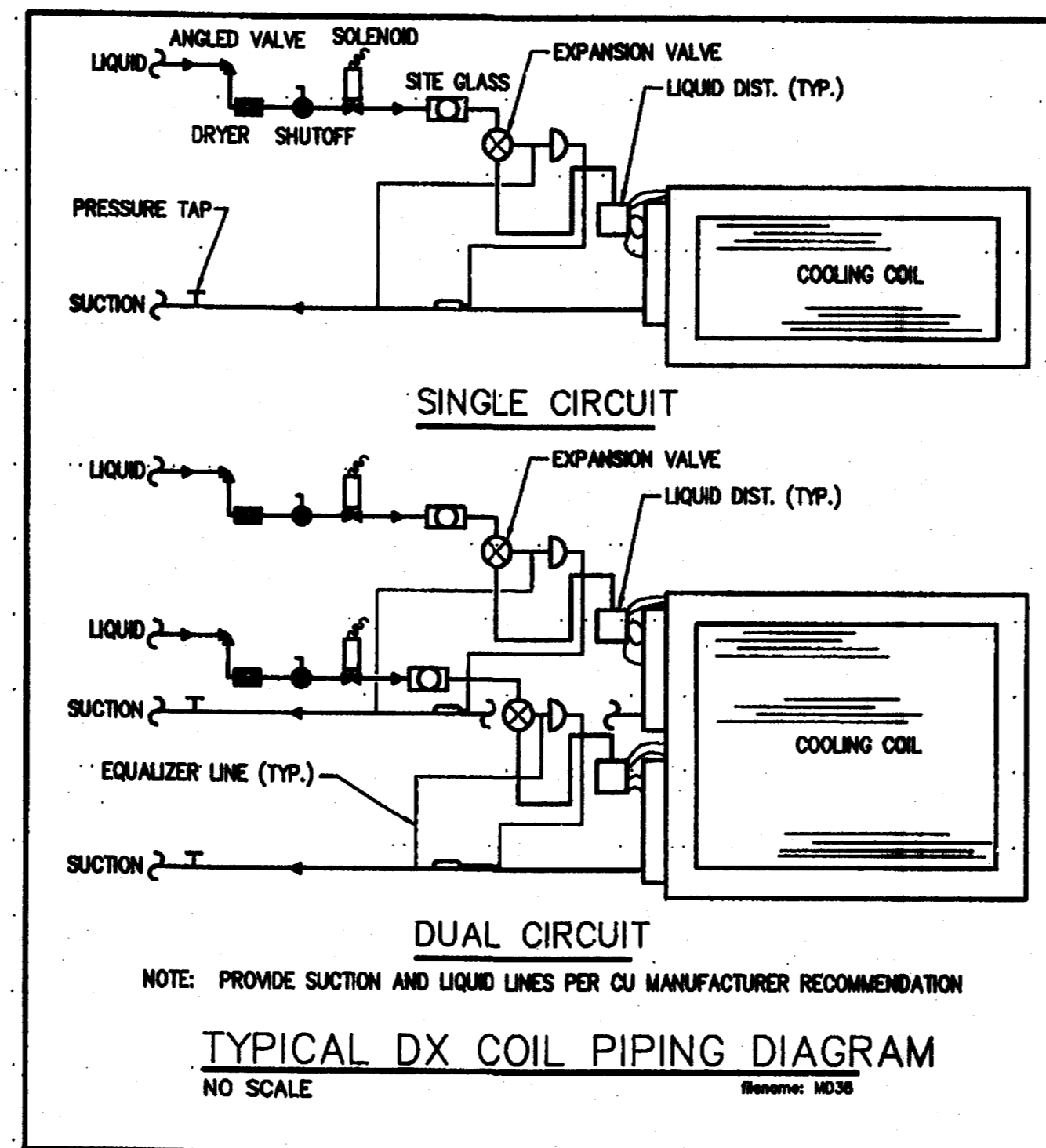
Distribution Date
BID DOCUMENTS 02.02.04

Details -
Mechanical

RECORD DWG.
DATE 8/26/05



M301



CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

Distribution	Date
BID DOCUMENTS	02.02.04

Details - Mechanical

RECORD DWG
DATE 8/26/03



M302

Details - Mechanical

None

FAN SCHEDULE

MARK		EF 1-1	EF 1-2	EF 1-3	EF 1-5	EF 1-6	EF 1-7	EF 1-8	EF 1-9
MANUFACTURER		GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
MODEL NUMBER		CSP-A200	CSP-A1410	SP-A290	CSP-A700	CSP-A250	CSP-A200	SEI-18-429-84	CSP-B110
SERVICE		EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST
AIR QUANTITY	CFM	50	700	135	350	100	50	1590	70
EXT. STATIC PRESSURE	IN H ₂ O	.42	.52	.4	.47	.46	.44	.1	.4
FAN TYPE		FC	FC	FC	FC	FC	FC	PROP	FC
DRIVE TYPE		DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
MAXIMUM GENERATED NOISE	SONES	.2	3.6	2	.9	1	.3	3.9	.2
MAXIMUM FAN SPEED	RPM	900	1480	829	785	1000	900	1180	727
MOTOR SIZE		48 W	822 W	81 W	350 W	83 W	48 W	1/4 HP	80 W
CONTROLS		INTERLOCK W/ AH-1	INTERLOCK W/ AH-2	INTERLOCK W/ AH-2	INTERLOCK W/ AH-2	INTERLOCK W/ AH-3	INTERLOCK W/ AH-3	INTERLOCK W/ THERMOSTAT	INTERLOCK W/ AH-2
LOCATION		ABOVE CEILING	ABOVE CEILING	ABOVE CEILING	ABOVE CEILING	ABOVE CEILING	ABOVE CEILING	MOUNTED IN WALL	ABOVE CEILING
ELECTRICAL CHARACTERISTICS	V/PHZ	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60
NOTES		①②③④	①②③④	①②③④	①②③④	①②③④	①②③④	①②③④⑤	①②③④

NOTE:

- PROVIDE FLEXIBLE CONNECTORS AT ALL DUCT CONNECTIONS TO FAN.
- PROVIDE FAN WITH GRAVITY BACKDRAFT DAMPER. REFER TO STANDARD MECHANICAL DETAILS FOR FURTHER DETAILS.
- PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH.
- PROVIDE FAN WITH SPEED CONTROLLER. MOUNT SPEED CONTROLLER IN 2X4 METALLIC BOX ADJACENT TO FAN IN CEILING. TEST AND BALANCE CONTRACTORS SHALL ADJUST FAN PERFORMANCE THROUGH USE OF SPEED CONTROLLER.
- PROVIDE WITH CHLORINE RESISTANT FINISH, AND OSHA GUARD.

SPLIT SYSTEM A/C SCHEDULE

AIR HANDLING UNIT DATA				
MARK		AH-1	AH-2	AH-3
MANUFACTURER		TRANE	TRANE	TRANE
MODEL		TWE090A3	TME120B3	TWE090A
TOTAL COOLING CAPACITY	MBH	83.02	120.0	105.2
SENSIBLE CAPACITY	MBH	48.28	64.01	69.3
SUPPLY AIR QUANTITY	CFM	2800	4200	2460
OUTSIDE AIR QUANTITY	CFM	410	1060	490
MOTOR SIZE	HP	2	3	2
ELECTRICAL	V/PHZ	208/3/60	208/3/60	208/3/60
E.E.R.		11.8	11.5	
ENTERING AIR TEMP. DB/WB	F/F	70.25/83.3	68.8/84.6	79.8/87.0
LEAVING AIR TEMP. DB/WB	F/F	53.14/62.35	55.75/65.24	64.8/53.1
EXT. STATIC PRESSURE	IN. W.C.	1.5	1.5	1.5
FILTER		1" PLEATED	1" PLEATED	1" PLEATED
WEIGHT		435	485	435
ELECTRIC HEAT	KW	11.25	28.2	18.71
CONDENSING UNIT DATA				
MARK		CU-1	CU-2	CU-3
MANUFACTURER		TRANE	TRANE	TRANE
MODEL		TTA090A3	TTA120B3	TTA120C
OUTDOOR TEMPERATURE	F	95	95	95
ELECTRICAL CHARACTERISTICS	V/PHZ	208/3/60	208/3/60	208/3/60
MIN. CKT. AMPS		34.5	47.8	48.4
NOTES		①②	①②	①

Filename: sch-28

KEYED NOTE:

- PROVIDE WITH NECESSARY CONTROLS TO CONNECT TO MAIN BUILDING MANAGEMENT SYSTEM; AUTO CHANGEOVER TO COOLING MODE; REMOTE THERMOSTAT SETPOINT; ROOM TEMPERATURE SENSOR.
- PROVIDE HOT GAS BYPASS ON THE LEAD COMPRESSOR.

VENTILATION SCHEDULE

UNIT NUMBER	NUMBER OF PEOPLE	CFM/PERSON	TOTAL	EXHAUST AIR	PRESSURIZATION	TOTAL	TOTAL DESIGN VALUE
AH-1	12	20	240	170	240	410	410
AH-2	2	20	40	770	290	1060	1060
AH-3	32	15	480	315	175	490	490

Filename: sch37

PRESSURE TABLE

UNIT NUMBER	VENTILATION AIR	TOTAL EXHAUST	MAKE UP FROM OTHER SYSTEM	RELATIVE PRESSURE
AH-1	410	50	-120	+240
AH-2	1060	485	+285	+280
AH-3	480	150	-185	+175

AIR DEVICE SCHEDULE

MARK	FACE SIZE	NECK SIZE	MATERIAL	ACCESSORIES	FINISH	MANUFACTURER AND MODEL	NOTES
A	24X24	6"	ALUMINUM	-	-	TITUS-TMS	①②
B	24X24	6"	ALUMINUM	-	-	TITUS-TMS	①②
C	24X24	10"	ALUMINUM	-	-	TITUS-TMS	①②
D	24X24	12"	ALUMINUM	-	-	TITUS-TMS	①②
E	14X8	12X4	ALUMINUM	⑥	-	TITUS-CT-PP-0	⑤
F	12X12	10X10	ALUMINUM	-	-	TITUS-TDC-AA	①②
G	10X10	8X8	ALUMINUM	O.B.D. AG-15-AA	-	TITUS-300FL	②
H	14X10	12X8	ALUMINUM	O.B.D. AG-15-AA	-	TITUS-300FL	②
I	20X8	18X8	ALUMINUM	O.B.D. AG-15-AA	-	TITUS-300FL	②
J	14X8	12X8	ALUMINUM	O.B.D. AG-15-AA	-	TITUS-300FL	②
L	24X24	22X22	ALUMINUM	-	-	TITUS-50F	③④⑤
M	12X12	10X10	ALUMINUM	-	-	TITUS-50F	③④⑤
N	20X12	18X10	ALUMINUM	O.B.D. AG-15-AA	-	TITUS-350FL	②④
P	28X14	24X12	ALUMINUM	O.B.D. AG-15-AA	-	TITUS-350FL	②④
Q	36X16	32X14	ALUMINUM	-	-	TITUS-350FL	②④
R	20X14	18X12	ALUMINUM	O.B.D. AG-15-AA	-	TITUS-350FL	②④
S	44X38	42X36	ALUMINUM	-	-	TITUS-350FL	②④
U	48"X15L0T	8"	ALUMINUM	MP-39-LP MITER CORNER	-	TITUS-ML-39	②④⑤
W	38X8	36X8	ALUMINUM	-	-	TITUS-350FL	④
X	24X12	22X10	ALUMINUM	-	-	TITUS-50F	④⑤

KEY NOTES:

- FLEX DUCT SIZE TO MATCH NECK SIZE. MINIMUM LENGTH OF FLEX SHALL BE 6'-0" TO MAXIMUM LENGTH OF 10'-0". BALANCE OF DUCT SHOWN ON PLAN SHALL BE RIGID STEEL DUCT SAME SIZE AS NECK SIZE, EXTERNALLY INSULATED.
- PROVIDE RUNOUT BRANCH DUCT TO AIR DEVICE SAME SIZE AS AIR DEVICE NECK UNLESS OTHERWISE NOTED ON PLANS. PROVIDE O.B.D MODEL # AG-15-AA FOR AIR DEVICES IN HARD CEILING.
- ALUMINUM 1 X 1 X 1 GRID
- AIR DEVICES USED FOR THE TRANSFER OF AIR DO NOT REQUIRE O.B.D. OR FILTER. PROVIDE O.B.D MODEL # AG-15-AA FOR AIR DEVICES IN HARD CEILING.
- PROVIDE WITH SHEETMETAL PLENUM 12 INCHES DEEP X FACE DIMENSION FOR TRANSITION OF LOUVER TO DUCT.
- HORIZONTAL RUNOUT BRANCH DUCTS SERVING A SINGLE AIR DEVICE WITH 200 CFM OR LESS SHALL BE 8" RIGID STEEL DUCT AND TRANSITION TO 8" FLEX DUCT PRIOR TO AIR DEVICE; 200 TO 600 C.F.M. SHALL BE 12" RIGID STEEL DUCT AND TRANSITION TO 12" FLEX DUCT PRIOR TO AIR DEVICE, UNLESS OTHERWISE NOTED. MINIMUM LENGTH OF FLEX SHALL BE 6'-0" TO MAXIMUM LENGTH OF 10'-0".
- HORIZONTAL RUNOUT BRANCH DUCT SHALL BE 6" RIGID STEEL DUCT AND TRANSITION TO 6" FLEX PRIOR TO AIR DEVICE. MINIMUM LENGTH OF FLEX SHALL BE 6'-0" TO MAXIMUM LENGTH OF 10'-0".
- PROVIDE FRAME TYPE 5 WITH C2 MOUNTING CONFIGURATION.
- PROVIDE FACTORY SUPPLIED LOW PROFILE PLENUM. WRAP EXTERIOR OF PLENUM WITH TYPE A INSULATION. PROVIDE FILLER PANELS AS INDICATED IN ARCHITECTURAL DRAWINGS. COLOR SHALL BE DETERMINED BY ARCHITECT.

GENERAL NOTES:

- ALL UNITS FOR LAY-IN T-BAR GRILLE SHALL BE PROVIDED WITH TYPE 3 BORDER CEILING MODULE (24X24).
- ALL AIR DEVICES SHALL HAVE PAINTED WHITE FINISH UNLESS COLOR COORDINATED WITH ARCHITECT.
- ALL 24X24 FACE AIR DEVICES INSTALLED IN HARD CEILINGS SHALL BE PROVIDED WITH T-BAR FRAME FOR PLASTER OR GYPSUM CEILINGS.
- PROVIDE SQUARE TO ROUND TRANSITIONS AS REQUIRED FOR COORDINATION OF DUCT AND AIR DEVICE NECK.
- COORDINATE FRAME TYPE WITH LATEST ARCHITECTURAL REFLECTED CEILING PLAN.
- INSULATE THE TOPS OF ALL SUPPLY AIR DEVICES, REFER TO SPECIFICATIONS.
- AIR DEVICES LOCATED IN HARD CEILINGS SHALL BE EQUIPPED WITH AN OPPOSED BLADE DAMPER ADJUSTABLE FROM FACE OF DEVICE.

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CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00

Distribution Date
BID DOCUMENTS 02.02.04

Schedules - Mechanical

RECORD DWG.
DATE 2/26/05

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M401

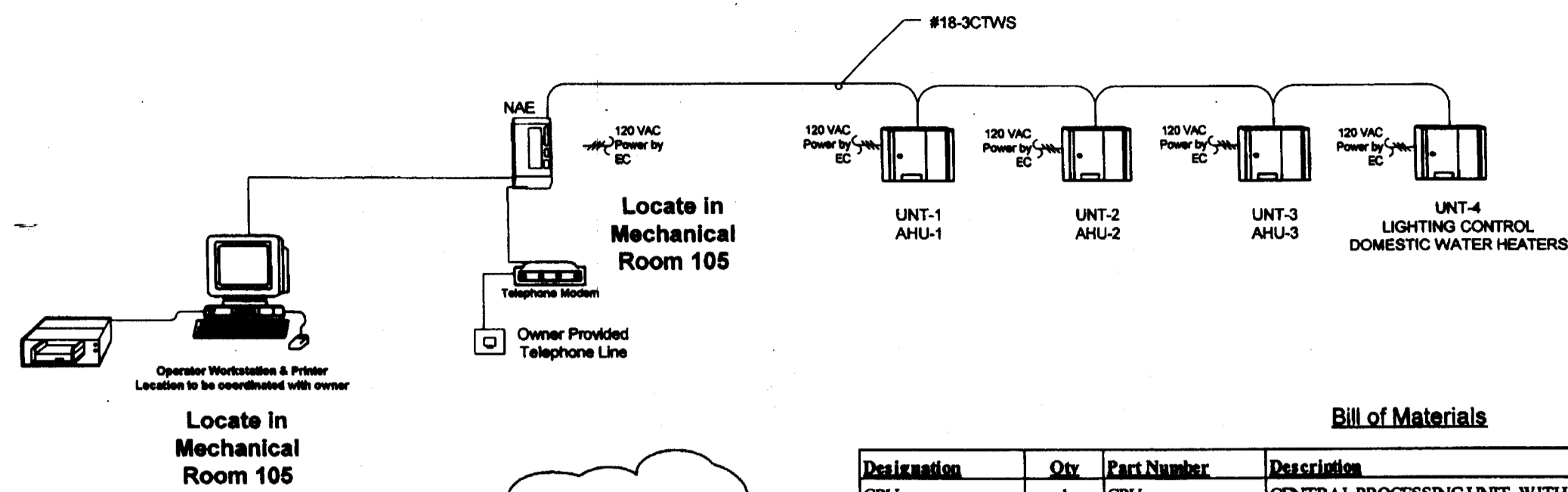
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Schedules - Mechanical

None

Bldg./Ftr.	Room No.	Name	System Name	Ref. dwg.	Pt Sched	Room Controller/Sensor				Reheat Valve				Box Information				Actuator Information								
						N30 Addr	N2 Addr	N2 Trunk	N2 Addr	CS Model	Code No.	Device Code	Valve Style	In. Cv	Flow	Delta P	Box ID	Box Type	K Factor	Inlet Size (Inches)	Inlet Area (Area)	Clg Min Flow	Clg Max Flow	VMA Box Config	Code No.	Range
MECH RM	159	AHU-1	AHU-1	M201	1	AS-UNT140	1	1	1																	
MECH RM	105	AHU-2	AHU-2	M201	2	AS-UNT140	1	1	2																	
MECH RM	115	AHU-3	AHU-3	M201	3	AS-UNT140	1	1	3																	
MECH RM		LIGHTING/BOILER	LIGHTING/BOILER	M501	4	AS-UNT140	1	1	4																	

Network Riser Diagram



Bill of Materials

Designation	Qty	Part Number	Description
CPU	1	CPU	CENTRAL PROCESSING UNIT, WITH KEY BOARD, MOUSE AND MONITOR
MS-NAE3510-1	1	MS-NAE3510-1	NETWORK AUTOMATION ENGINE (MAIN CONTROLLER)
ENCLOSURE	1	EN-EWC35-0	MASTER CONTROL ENCLOSURE
MODEM	1	ZOOM-2949	EXTERNAL MODEM 56K

- INSTALLATION NOTES:**
- N2 BUS shall be daisy chained. T-Tapping is absolutely unacceptable.
 - All 120 volt wiring by Div. 16. QBC to field coordinate with electrician exact location of 120VAC for controls.

- NOTES:**
- Coordinate the location of N30 with electrician and owner.
 - A single enclosure shall house DDC controllers for each air handling Unit unless noted otherwise.
 - The owner shall provide a phone line adjacent to the master control panel (N30).
 - All wiring shall be in twisted shielded pairs.

Instrument and Control Color Codes

Type:	Color:
24 + VAC Power	White
24 - VAC Common	Black
Sensor Signal	White
Sensor Common	Black
Sensor Power	Red

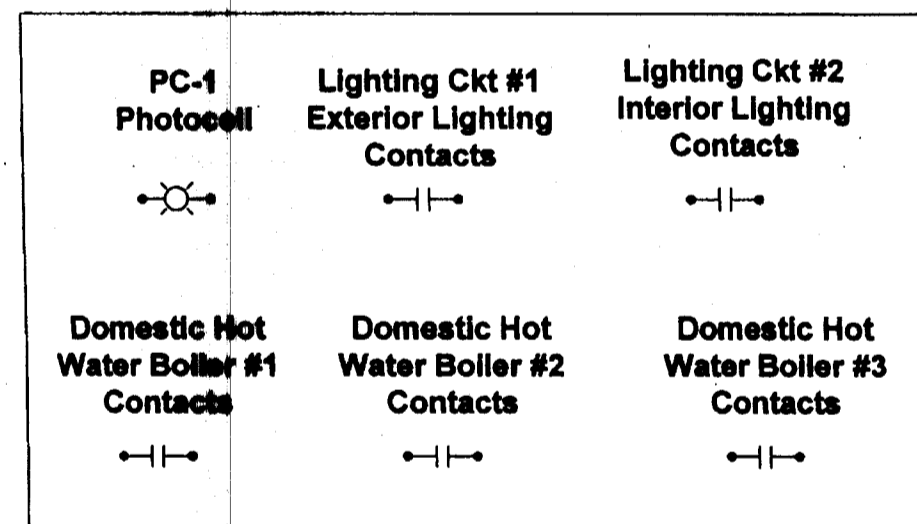
Drawing Title: Network Riser Diagram

Project Title: Cuscaden Pool Renovations

QBC Quality Building Controls
6000 Jones Rd. Suite 4
Tampa, FL 33634
Phone: (813)885-0005
Fax: (813)243-4405

2004-40

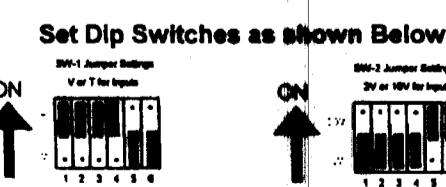
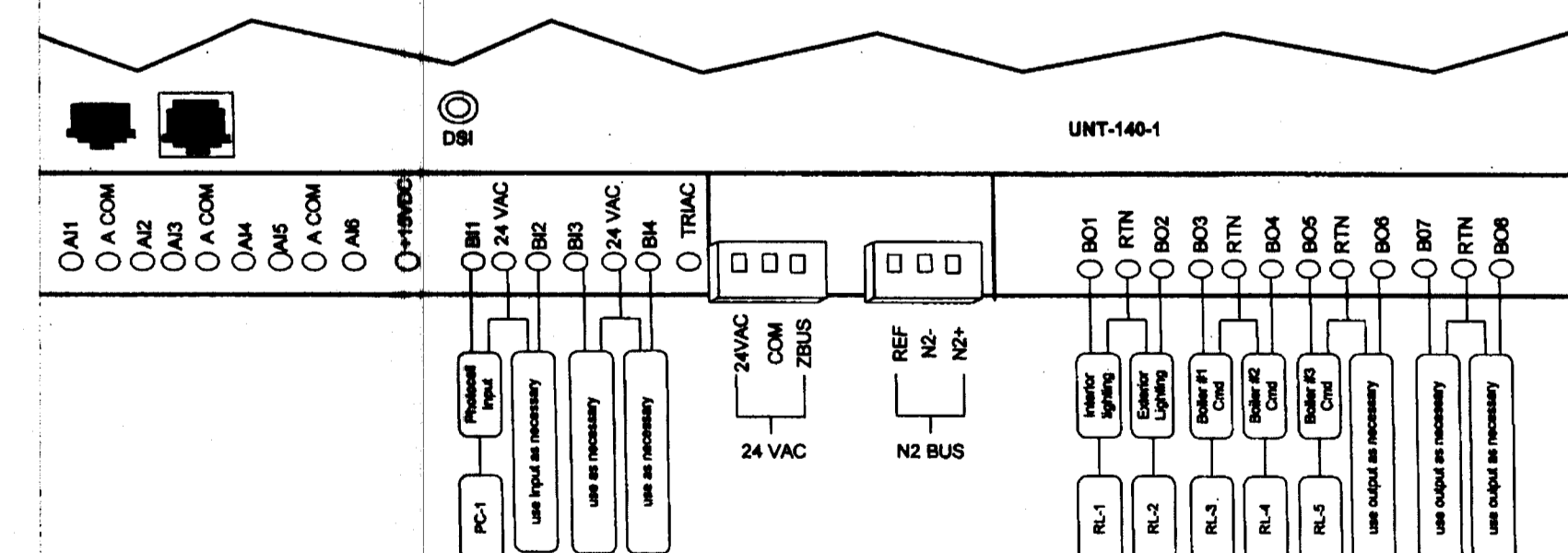
Lighting Control & Domestic Hot water Boiler



BILL OF MATERIALS

Designation	Qty	Part Number	Description
PC-1	1	MKT-B-CR	PHOTOCELL SENSOR
RL-15	5	MR-801/T	SPST 24VAC RELAY W/LED
UNT	1	AS-UNT140-101	CNTRLR.DIG.UNIT.8A1.4B1.8B0.SCR.ENCL.50VA

Notes: Field verify location of interior and exterior lighting contactors.
Coordinate location with electrical contractor/owner. Exterior lighting to operate on a time of day schedule.



AS-BUILT 6/2/2005

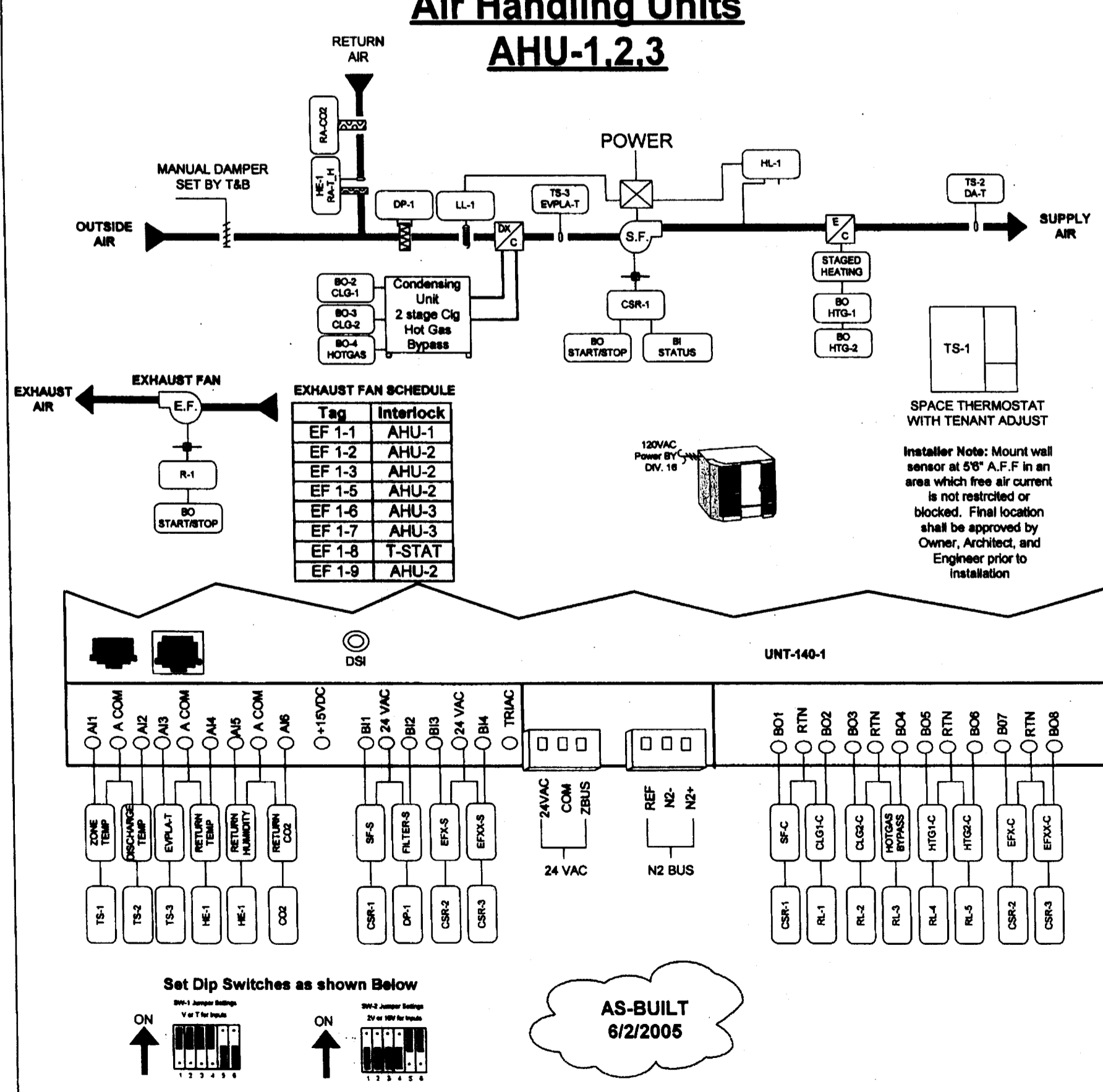
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Project Title: Cuscaden Pool Renovations

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Fax: (813)243-4405

2004-40

Air Handling Units AHU-1,2,3



Bill of Materials

Designation	Qty	Part Number	Description
CSR-1	3	H-938	SENS.CURR.1A @30V.1/2HP.CMND.RELAY.SPLI SWITCH.CURRENT.RELAY.COMB.SPST
CSR-2,3	7	H120	VERIS SENSOR.CO2.0-200PPM.DUCT.MOUNT
CO2	3	CDLSX0	SENSOR.21MRH & 1K NI TEMP.DUCT-PROBE
HE-1	3	HE-07N2-0ND0P	AIR FLOW SW.SPST.MC.RESET.0.05-12N
HL-1	3	A1848C-14C	STAT.AFT.CAP.SPOT.30100P. MANUAL.RESET
LL-1	3	FTG13A-800R	PACKIN G.NUT.WELL.1/2IN.NPT
RL-1,5	15	MR-801/T	SPST RELAY. LED. 120/24 VAC
TS-1	3	AP-TM21600-0	ROOM SENSOR W/LED DISPLAY
TS-2,3	6	TS-8311P-1	SENSOR.T.M.0.1% .8IN DUCT
UNT	3	AS-UNT140-101	CNTRLR.DIG.UNIT.8A1.4B1.8B0.SCR.ENCL.50VA

Sequence of Operations

AHU-1,2,3 Control

Occupied Mode:
Weekly Schedule will be accomplished by the supervisory network controller with a Operator Workstation.
The AHU supply fan shall start on the weekly schedule times as provided by the owner. Upon supply fan status, the temperature control sequences shall commence. The stages of cooling shall be controlled to maintain a space temperature set point of (75 deg F adj.), and heating shall be controlled to maintain a space temperature set point of (68 deg F adj.).
A high limit and a low limit sensor will be provided as safeties to shutdown the AHU in case of an alarm condition.

Unoccupied Mode:
The AHU fan shall remain off, stages of cooling and heating shall remain off, and exhaust fan(s) off. If the space temperature served by an individual AHU exceeds the unoccupied cooling set point (62 deg F adj.), or drop below the unoccupied heating set point (62 deg F adj.), the AHU shall run until the unoccupied differential (4 deg F adj.) is satisfied.

AHU-1 MECH RM 159
AHU-2 MECH RM 105
AHU-3 MECH RM 115

Drawing Title: Air Handling Unit Control

Project Title: Cuscaden Pool Renovations

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Phone: (813)885-0005
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2004-40

SCADEN
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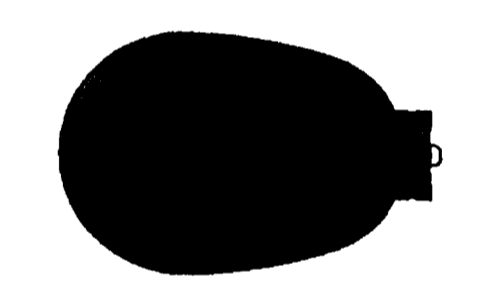
PLUMBING SYMBOL LEGEND		
SYMBOL	DESCRIPTION	ABBREV.
TP	TRAP PRIMER	
A.F.F.	ABOVE FINISHED FLOOR	
CONT.	CONTINUATION	
DW	DISHWASHER	
DWG	DRAWING	
HC	HANDICAPPED	
N.I.C.	NOT IN CONTRACT	
N.T.S.	NOT TO SCALE	
RWL	RAIN WATER LEADER	
VTR	VENT THROUGH ROOF	
PC	PLUMBING CONTRACTOR	
GC	GENERAL CONTRACTOR	
FB	FROM BELOW	
FA	FROM ABOVE	
BF	BELOW FLOOR	
BG	BELOW GRADE	
I.E.	INVERT ELEVATION	
W.F.U.	WATER FIXTURE UNIT	
D.F.U.	DRAINAGE FIXTURE UNIT	
(E)	EXISTING CONDITION	
(N)	NEW CONDITION	

PLUMBING SYMBOL LEGEND		
SYMBOL	DESCRIPTION	ABBREV.
—OF—	OVERFLOW DRAIN ABOVE CEILING	OF
—CD—	CONDENSATE DRAIN ABOVE CEILING	CD
—CD—	CONDENSATE DRAIN	CD
—ST—	STORM ABOVE CEILING	ST
—ST—	STORM BELOW SLAB	ST
—S—	SANITARY SEWER ABOVE CEILING	SAN
—S—	SANITARY SEWER BELOW SLAB	SAN
—GW—	GREASE WASTE	GW
—V—	VENT PIPING	V
—C.W.—	COLD WATER PIPING	C.W.
—H.W.—	HOT WATER PIPING	H.W.
—140°—	HOT WATER PIPING (140°F)	H.W.
—HWR—	HOT WATER RECIRCULATING	HWR
←	DIRECTION OF FLOW	
—G—	GAS PIPING	G.
—Z—	SWING CHECK VALVE	C.V.
—X—	SHUTOFF VALVE	
—S—	SOLENOID VALVE	
—B.V.—	BALANCING VALVE	B.V.
—P.R.V.—	PRESSURE REGULATING VALVE	P.R.V.
—DN—	ELBOW TURNED DOWN	DN.
—UP—	ELBOW TURNED UP	UP
—DN—	TEE TURNED UP	DN.
—DN—	TEE TURNED DOWN	DN.
—FCO—	WALL CLEANOUT	FCO
—FCO—	FLOOR CLEANOUT	FCO
—EXT. C.O.—	EXTERIOR CLEANOUT	EXT. C.O.
—P.T.V.—	PRESSURE & TEMPERATURE RELIEF VALVE (AGA RATED)	P.T.V.
—VTR—	VENT THROUGH ROOF	VTR
—FD—	FLOOR DRAIN	FD
—RD—	AREA DRAIN	
—RD—	ROOF DRAIN	RD
—RD—	ROOF DRAIN ABOVE	RD
—H.B.—	HOSE BIB	HB
—C.E.U.—	CONNECT TO EXISTING UTILITIES	
—W.H.A.—	WATER HAMMER ARRESTOR	
—I.D.—	INSERT INDICATES DETAIL NUMBER	
—I.S.—	INSERT INDICATES RISER NUMBER	
—I.S.—	INSERT INDICATES SHEET NUMBER	
—S.V.—	SHUTOFF VALVE IN VALVE BOX	
—I.E.—	INVERT ELEVATION	
—S.F.—	SQUARE FOOTAGE	

- ### PLUMBING GENERAL NOTES
- RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
 - VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALLED ON THE SITE.
 - SANITARY PIPING 2" SHALL HAVE A 1/4" PER FT. SLOPE. PIPING 3" & LARGER SHALL HAVE A 1/8" PER FT. SLOPE MINIMUM.
 - COORDINATE SANITARY VENTS WITH HVAC O.A. INTAKES. PROVIDE AT LEAST 10'-0" DISTANCE FROM VENT STACKS AND INTAKE VENTS.
 - VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
 - COORDINATE ALL WORK WITH OTHER TRADES.
 - FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
 - AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER ARRESTORS AS SPECIFIED. SHOCK ARRESTORS SHALL BE INSTALLED ON ALL TOILET ROOM GROUPS IN THE BRANCH SUPPLY FOR HOT AND COLD WATER PIPE AS PER STANDARD PDI-WH201 AND AS DESCRIBED ON THE FIXTURE SCHEDULE. PROVIDE ISOLATION VALVE, INSTALL IN CEILING AND PROVIDE ACCESS PANELS IN THE CEILING AS REQUIRED FOR ACCESSABILITY AND MAINTENANCE.
 - RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS. REFER TO DETAILS.
 - ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
 - RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
 - ALL DRAINAGE PIPING SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.
 - ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES EXCEPT AS SPECIFICALLY NOTED, OR IN MECHANICAL ROOMS.
 - PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
 - SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURE LOCATIONS, MOUNTING HEIGHTS, AND DIMENSIONS.
 - PROVIDE A PRE MANUFACTURED DRAIN INSULATING COVER ON ALL SINKS AND LAVATORIES DESIGNATED AS A HANDICAP FIXTURE. REFER TO PLUMBING DRAWINGS AND THE ARCHITECTS DRAWINGS FOR DESIGNATIONS.
 - VERIFY INVERT ELEVATIONS OF SEWERS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.
 - INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
 - ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.
 - PROVIDE REDUCED PRESSURE BACKFLOW PREVENTERS FOR DOMESTIC WATER SUPPLIES AS REQUIRED BY LOCAL WATER PURVEYORS.
 - DO NOT PENETRATE WALL FOOTINGS WITH PIPING. COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ANY PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY STRUCTURAL ENGINEER.
 - MAKE ALL FINAL CONNECTIONS TO FIXTURES.

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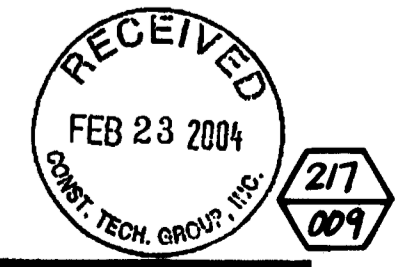


CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04

Legend - Plumbing
RECORD DWG.
DATE 2/26/05



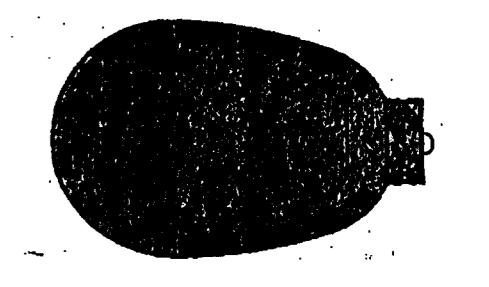
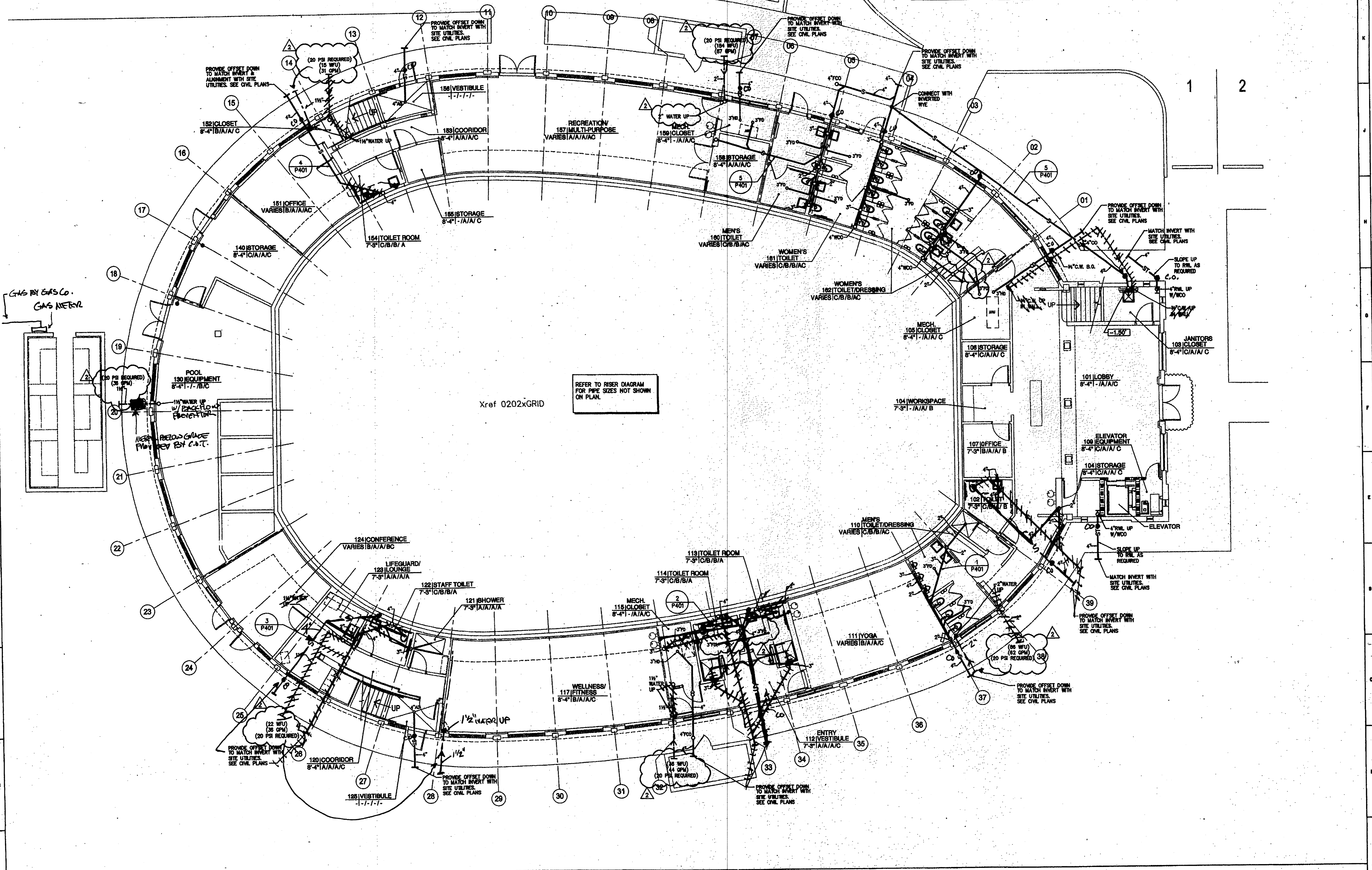
P001

GENERAL NOTES

- REFER TO SANITARY RISER DIAGRAMS FOR PIPE SIZES NOT SHOWN.
- REFER TO CIVIL PLAN SITE PLANS FOR ALL EXTERIOR CLEANOUTS ON STORM, CONDENSATE AND SANITARY DRAINAGE.

KEYED NOTES

- CONNECT FLOOR DRAIN TO SHOWER DRAIN. REFER TO RUNNING P-TRAP DETAIL FOR INSTALLATION.

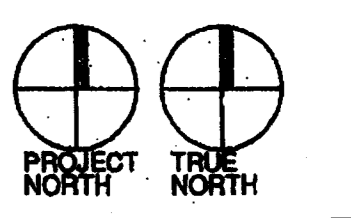


**CUSCADEN
POOL
RENOVATION**

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
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REVISION A	05.07.04

Underground Plan
Plumbing
RECORD DWG.
DATE 01/26/05



Underground Plan - Plumbing

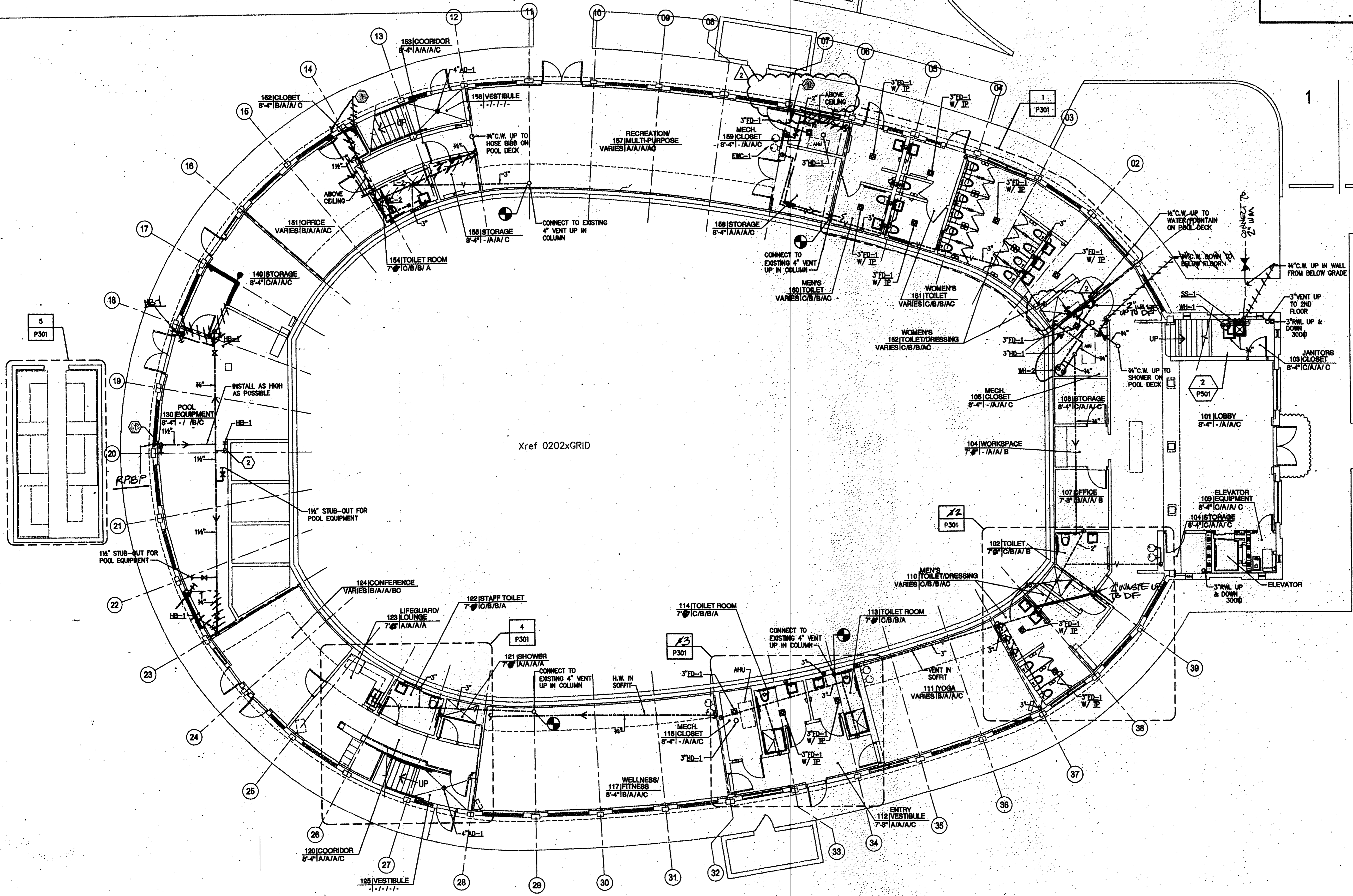
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KEYED NOTES

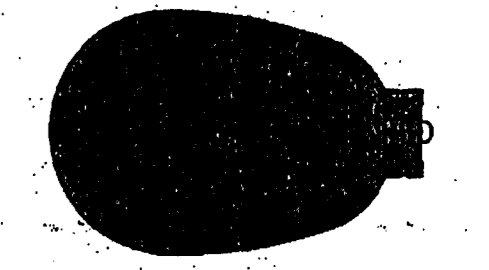
- 1 MAIN SHUT-OFF VALVE IN RISE. INSTALL AT 4'-0" A.F.F.
- 2 PROVIDE SHUT-OFF VALVE IN RISE FOR HOSE BIBB.

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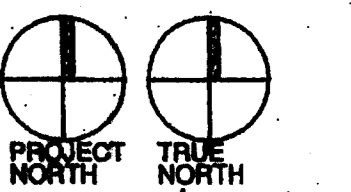


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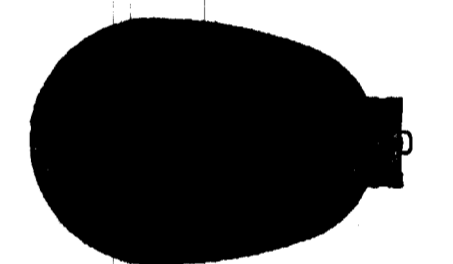
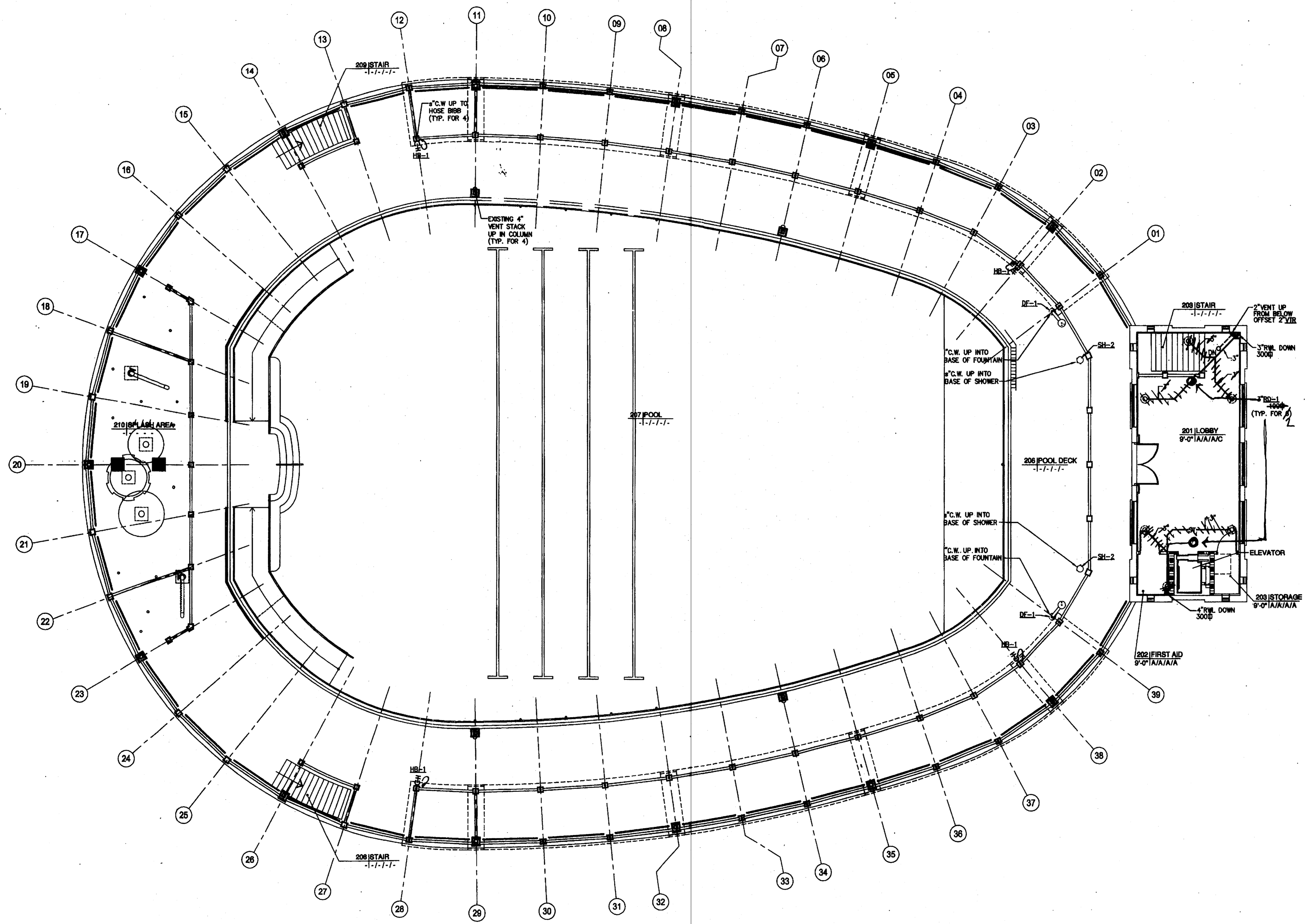
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Distribution	Date
BID DOCUMENTS	02.02.04
REVISION A	05.07.04

First Floor
Plumbing
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DATE 8/26/05



FLOOR PLAN - First Floor PLUMBING

1/8"=1'-0"



**CUSCADEN
POOL
RENOVATION**

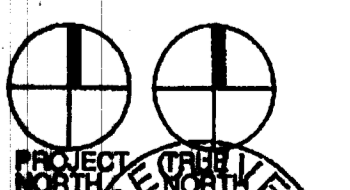
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Project No. 0202.00

Distribution	Date
BID DOCUMENTS	02.02.04

Second Floor Pool Deck
Plumbing

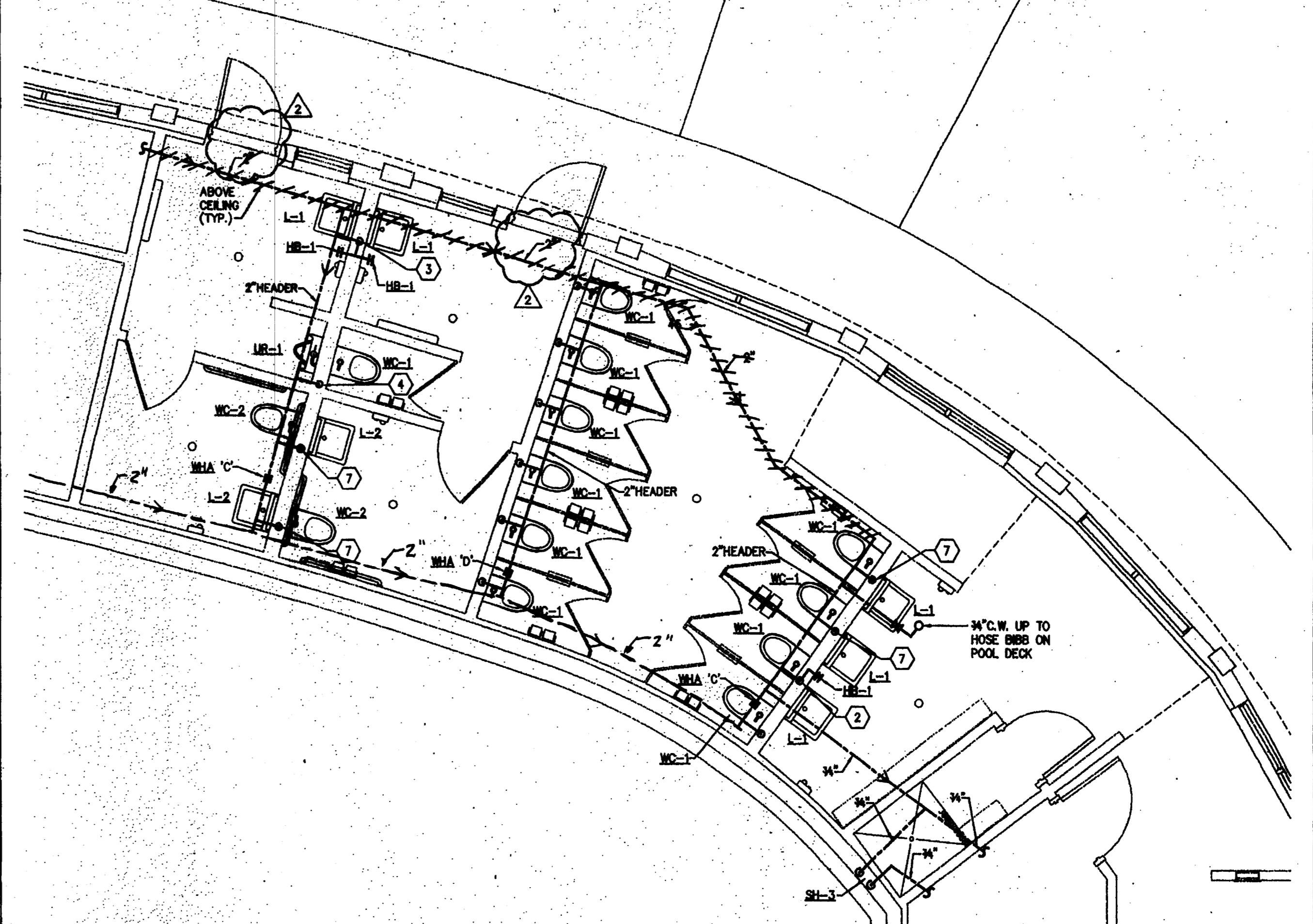
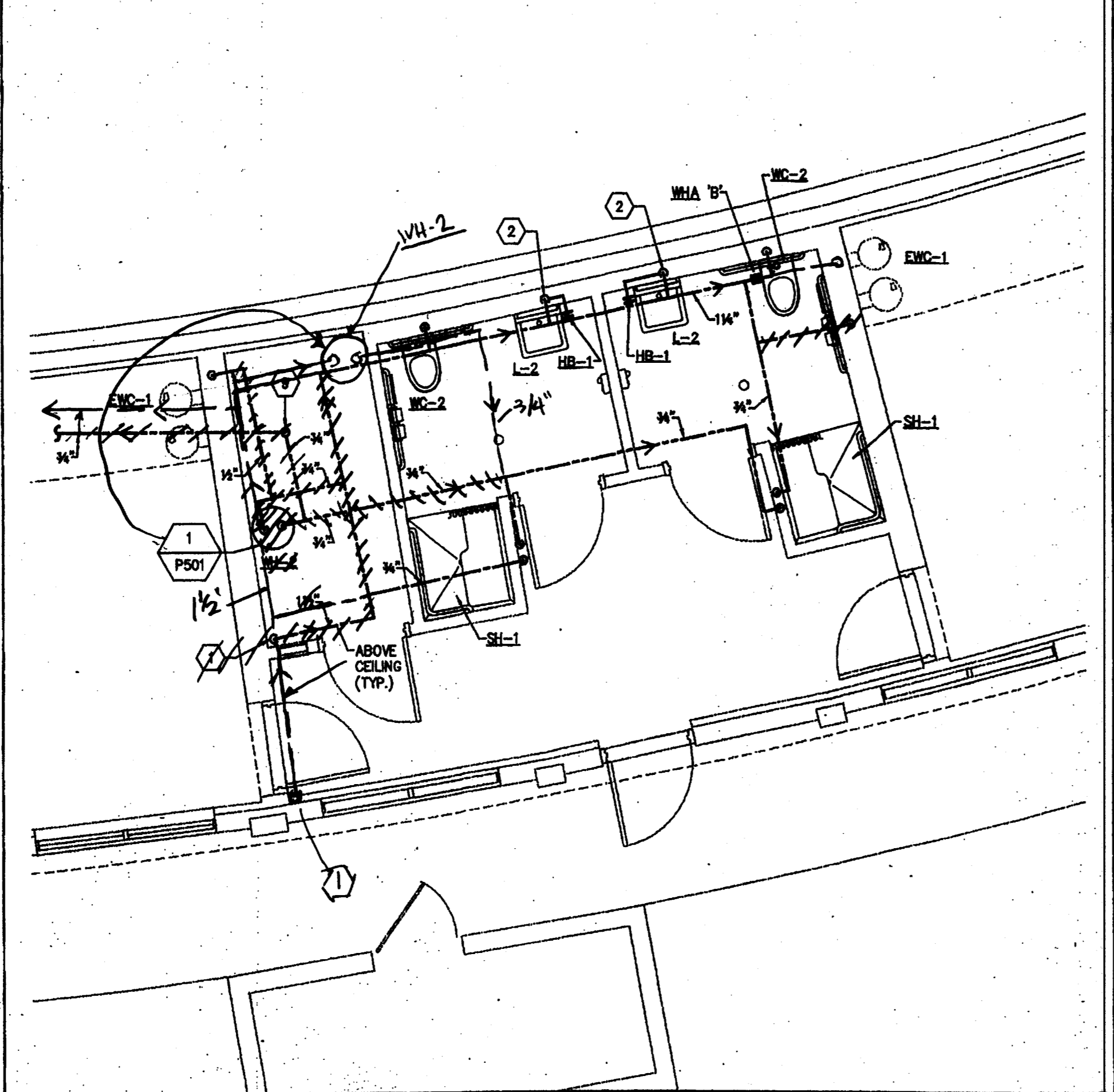
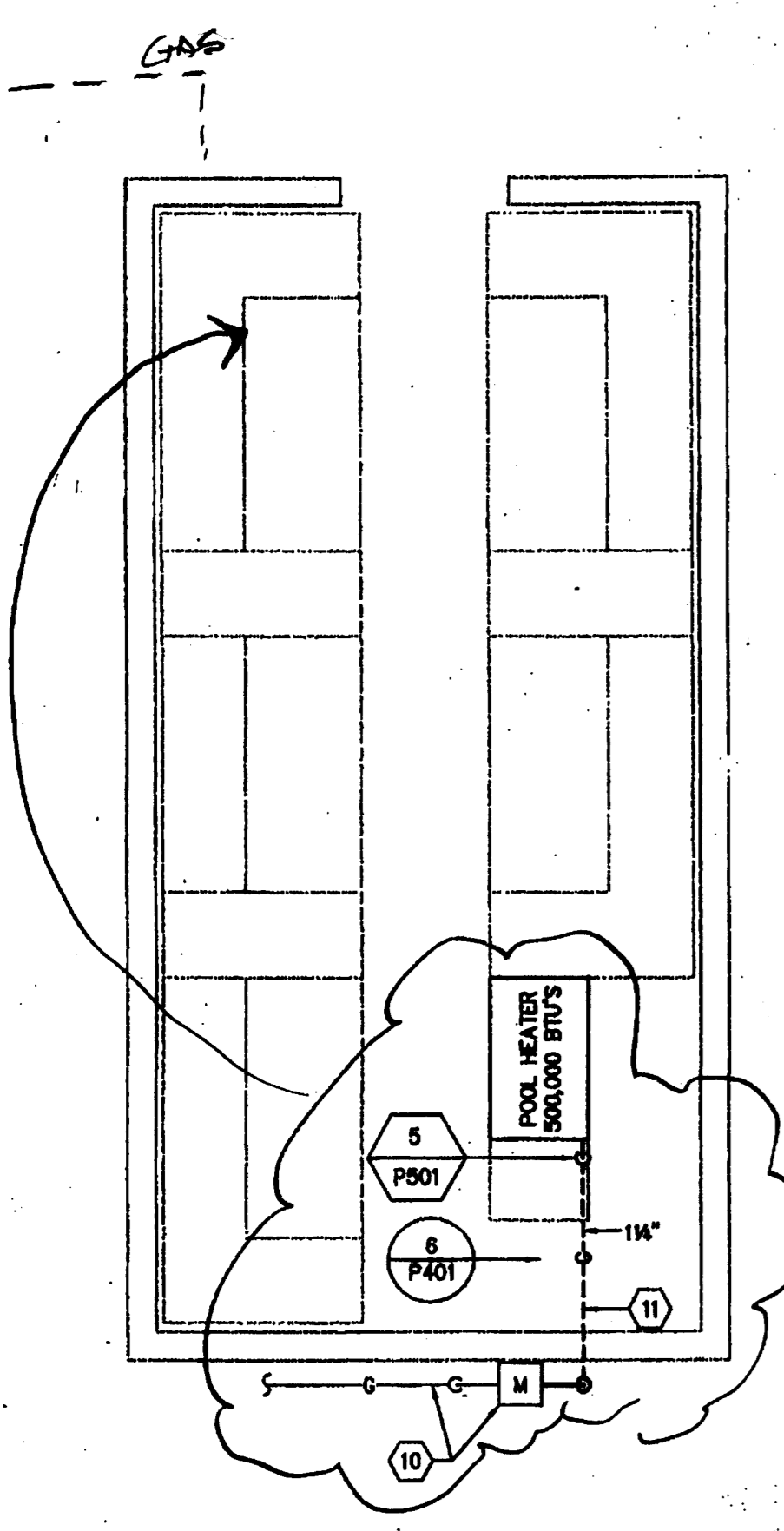
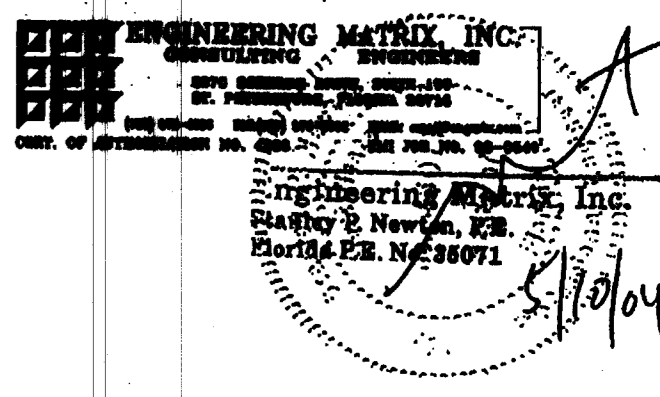
RECORD DWG.
DATE 02/26/05



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Floor Plan - Second Floor Pool Deck - Plumbing

1/8"=1'-0"



5 Pool Equipment Plan

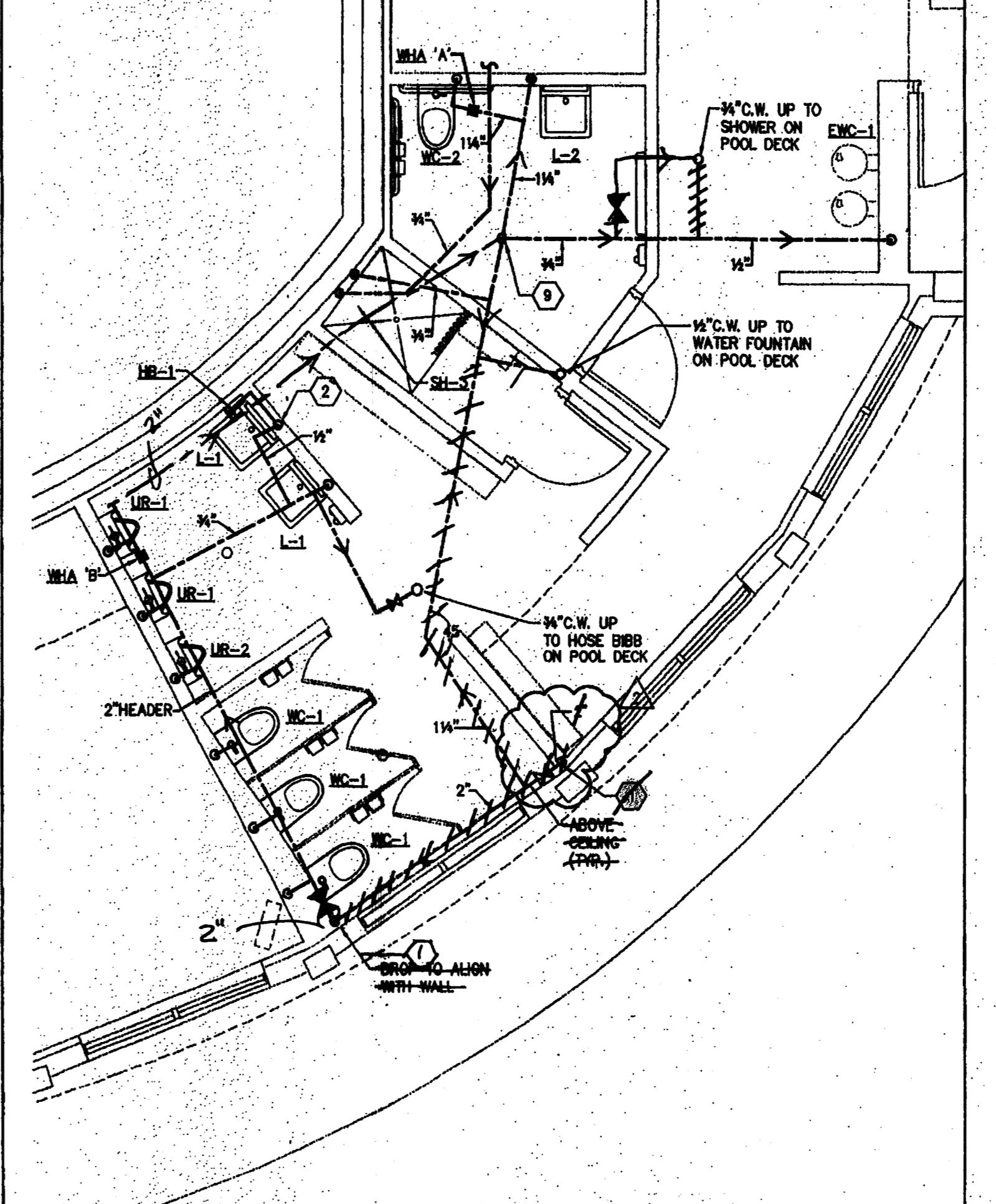
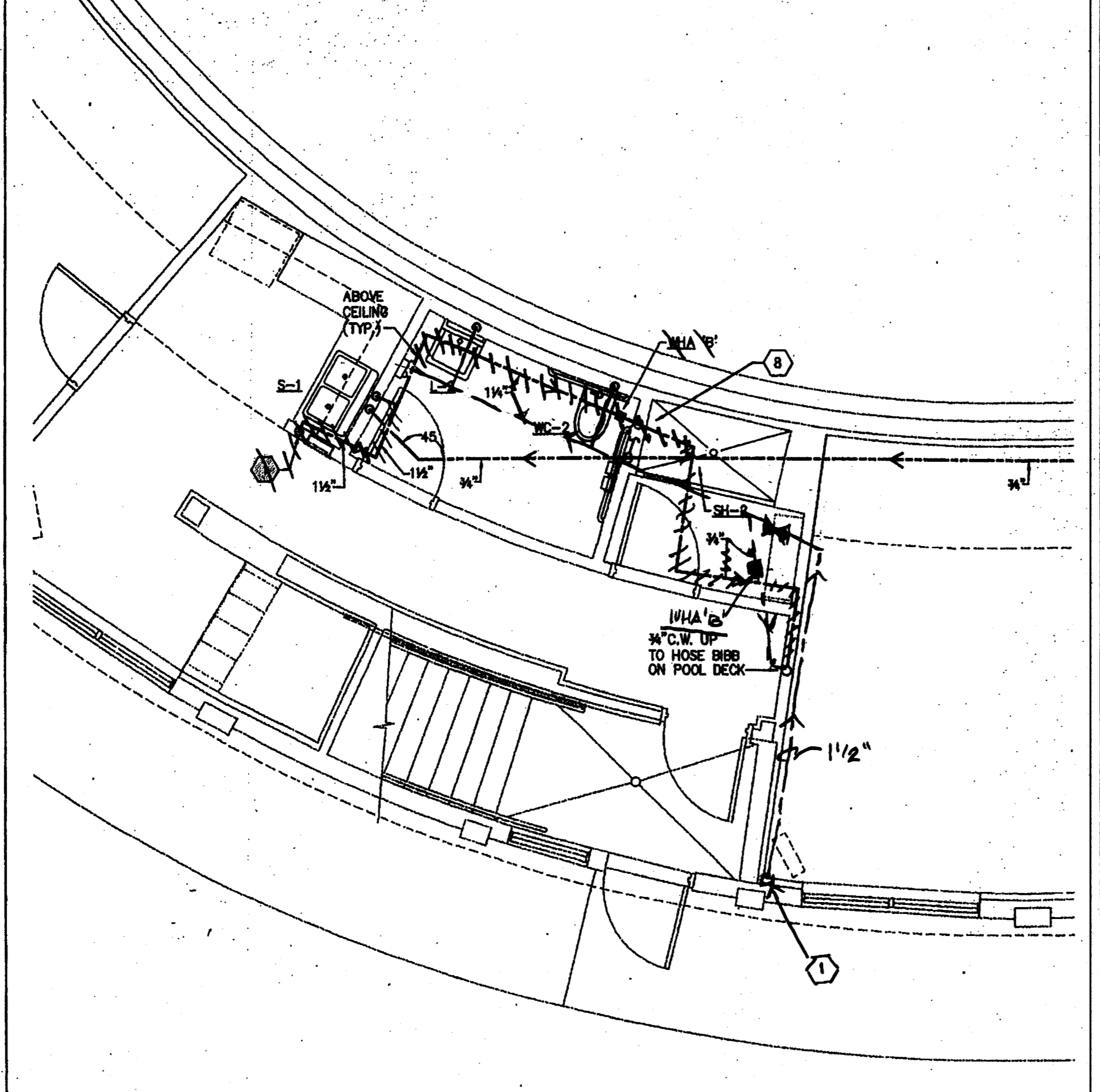
3 Toilet's 113 AND 114

1 Men's and Women's Toilet

1/4"=1'-0"

1/4"=1'-0"

1/4"=1'-0"



GENERAL NOTES

1. REFER TO SANITARY RISER DIAGRAMS FOR PIPE SIZES NOT SHOWN ON PLAN.
2. REFER TO FIXTURE SCHEDULE FOR ALL WATER BRANCH SIZE CONNECTIONS, UNLESS OTHERWISE NOTED ON THIS PLAN.
3. REFER TO 1/4" PLAN FOR CONTINUATION OF ALL PIPING.

KEYED NOTES

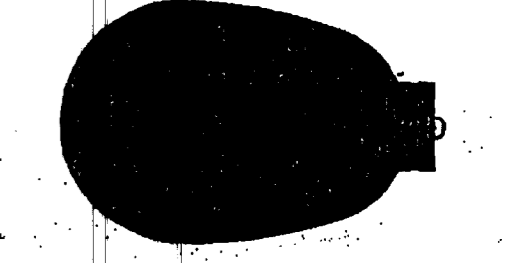
- ① WATER SUPPLY UP FROM BELOW FLOOR. RISE UP TO ABOVE CEILING.
- ② 3/4" DOWN. BRANCH 1/2" TO LAVATORY AND 3/4" TO HOSE BIBB.
- ③ 3/4" DOWN. BRANCH 1/2" TO EACH LAVATORY AND 3/4" TO EACH HOSE BIBB.
- ④ 1 1/4" DOWN. BRANCH 1" TO URINAL & 1 1/4" TO WATER CLOSET.
- ⑤ 1 1/4" DOWN. BRANCH 1 1/4" TO EACH WATER CLOSET.
- ⑥ 3/4" DOWN. BRANCH 1/2" TO EACH LAVATORY.
- ⑦ 1 1/4" DOWN. BRANCH 1 1/4" TO WATER CLOSET AND 1/2" TO LAVATORY.
- ⑧ 3/4" C.W. AND H.W. DOWN TO SHOWER VALVE.
- ⑨ DROP OR RISE TO ALIGN PIPING WITH STRUCTURE, WALLS OR SOFFIT.
- ⑩ GAS SERVICE AND GAS METER SHALL BE INSTALLED BY LOCAL GAS SUPPLIER. GAS METER SHALL BE SIZED TO DELIVER 1/2 LB. PSI TO POOL HEATER.
- ⑪ INSTALL GAS PIPING BELOW SLAB TO POOL HEATER. DO NOT INSTALL PIPING IN FOOTING OR CONCRETE SLAB.

4 Lifeguard Lounge and Staff Toilet

2 Men's Toilet and Toilet 102

1/4"=1'-0"

1/4"=1'-0"



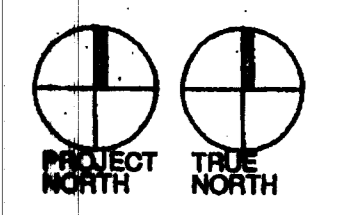
CUSCADEN POOL RENOVATION

CITY OF TAMPA
308 East Jackson Street
Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
BID DOCUMENTS	02.02.04
REVISION A	05.07.04

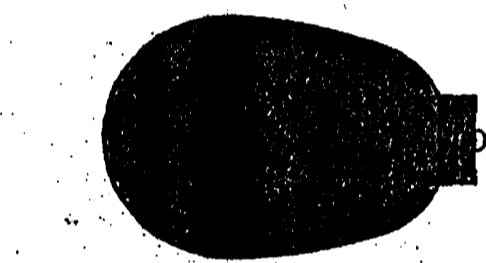
Enlarged Plans - Plumbing

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DATE 02/26/05



P301





**CUSCADEN
POOL
RENOVATION**

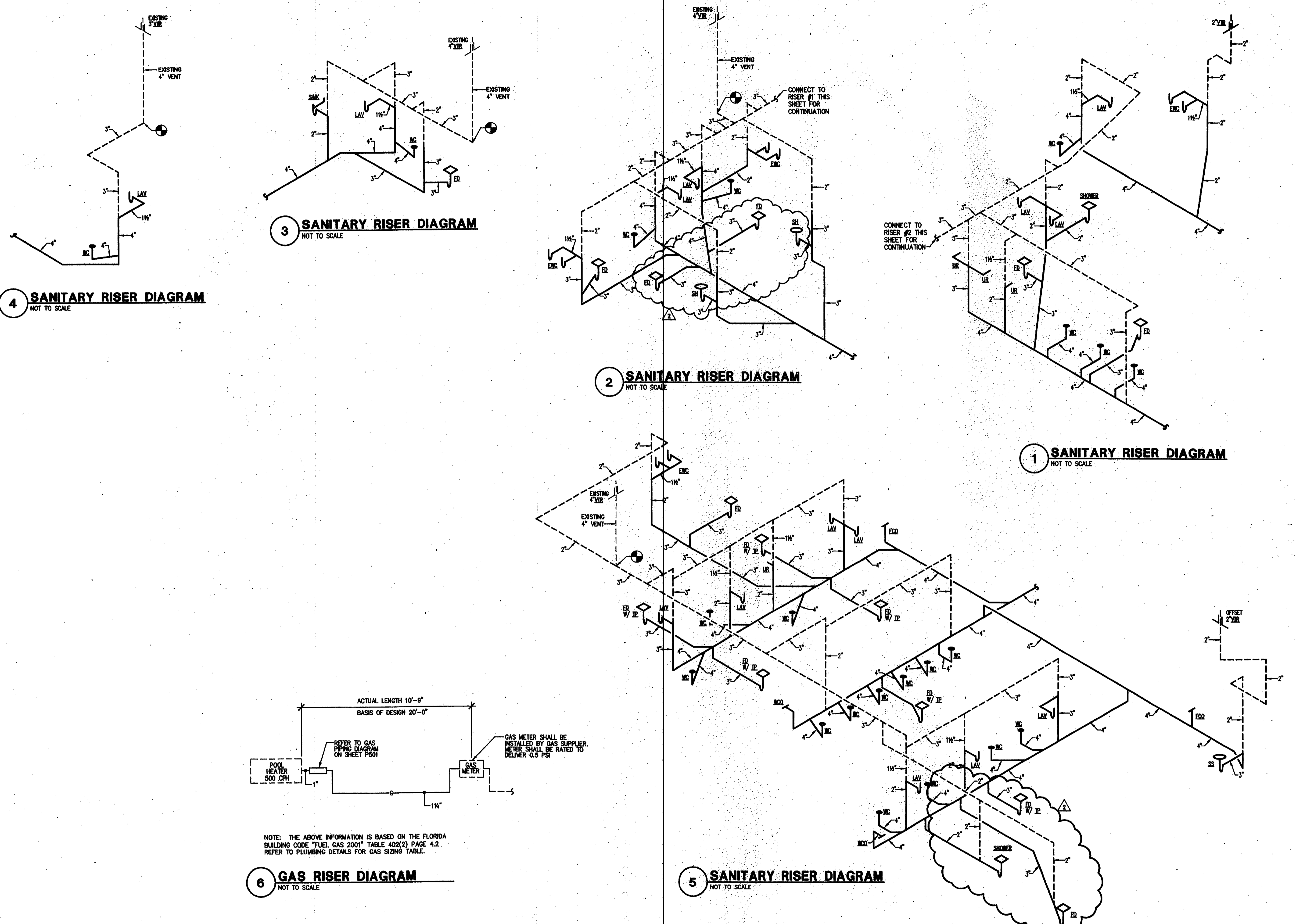
CITY OF TAMPA
306 East Jackson Street
Tampa, Florida 33602

Project No. 0802.00

Distribution	Date
BID DOCUMENTS	02.02.04
REVISION A	05.07.04

RISERS
PLUMBING

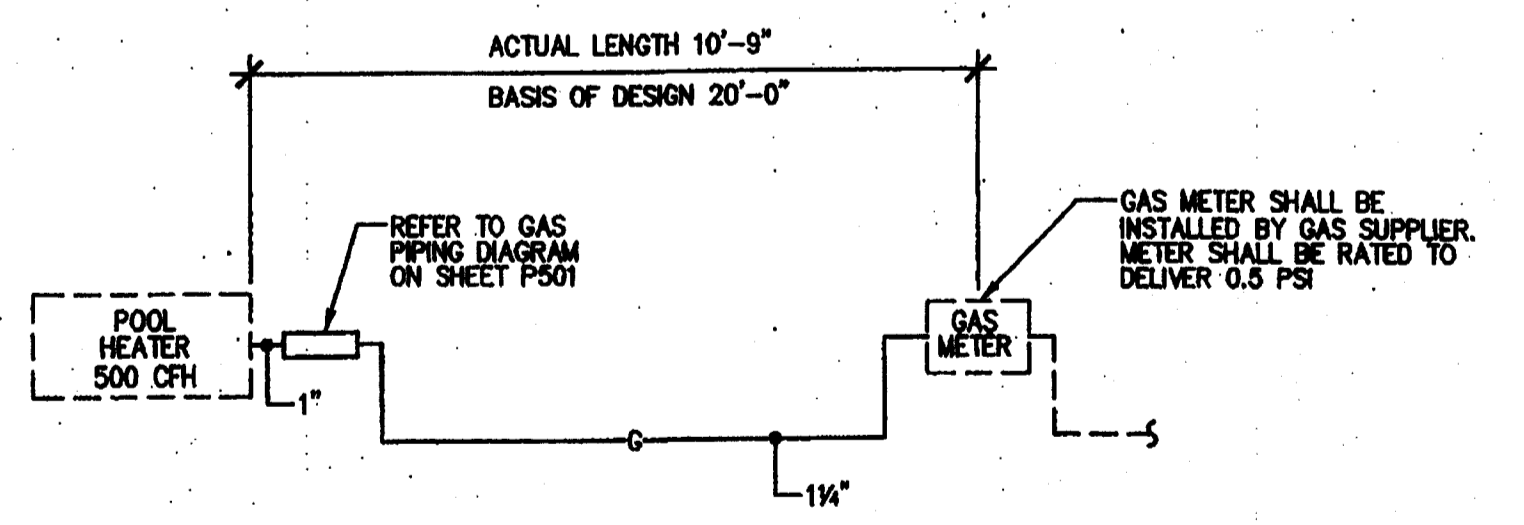
RECORD DWG.
DATE 8/26/05



3 SANITARY RISER DIAGRAM
NOT TO SCALE

2 SANITARY RISER DIAGRAM
NOT TO SCALE

1 SANITARY RISER DIAGRAM
NOT TO SCALE



6 GAS RISER DIAGRAM
NOT TO SCALE

5 SANITARY RISER DIAGRAM
NOT TO SCALE

4 SANITARY RISER DIAGRAM
NOT TO SCALE

RISERS - PLUMBING

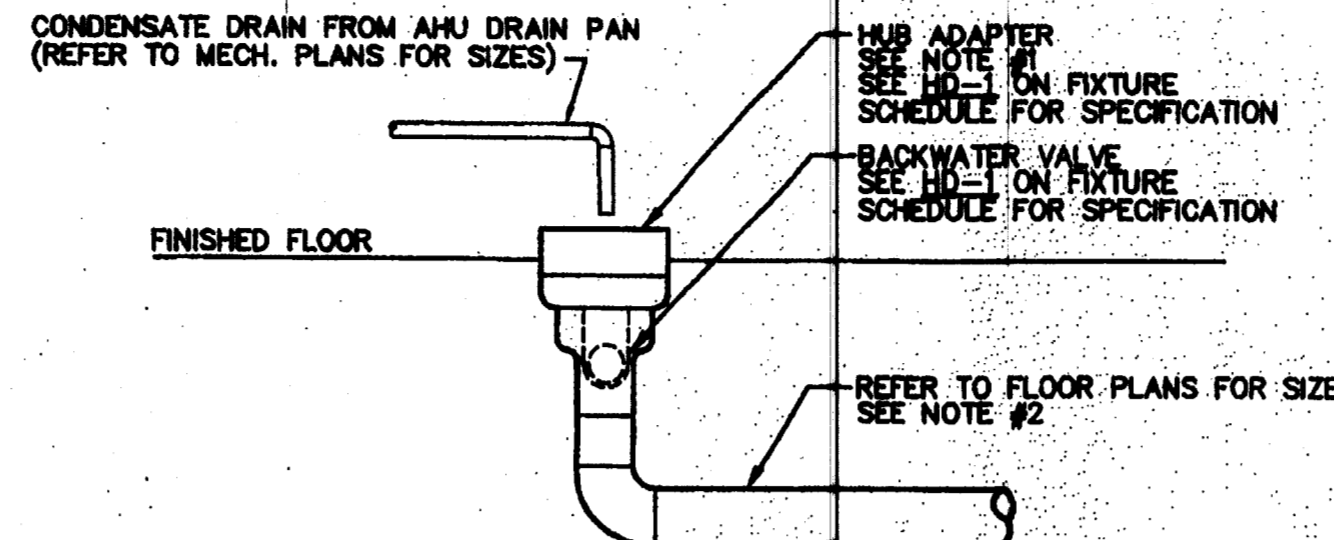
NOT TO SCALE

TABLE 402(2)
MAXIMUM CAPACITY OF PIPE IN CUBIC FEET OF GAS PER HOUR FOR GAS PRESSURES OF 0.5 PSI AND A PRESSURE DROP OF 0.5 INCH WATER COLUMN
 (BASED ON A 0.60 SPECIFIC GRAVITY GAS)

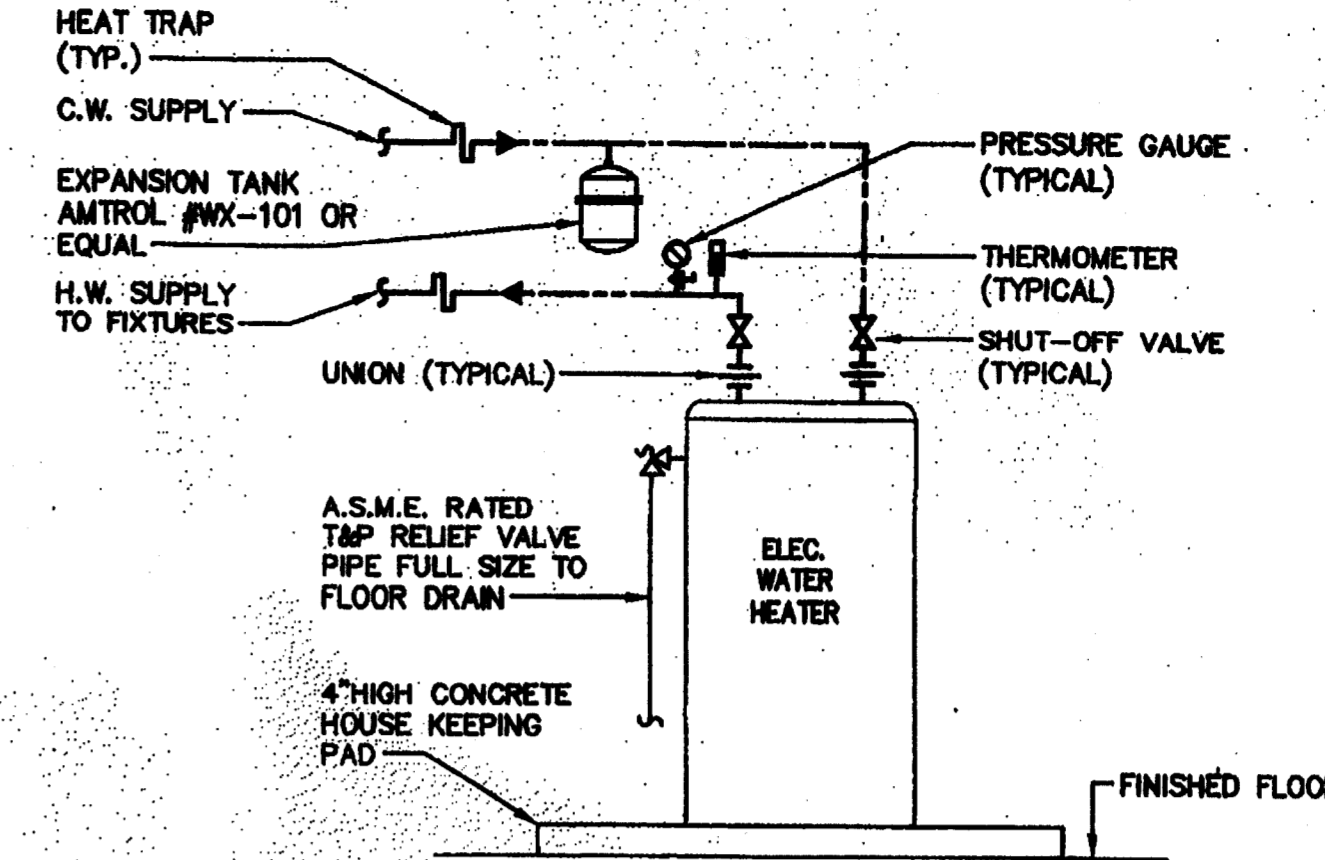
NOMINAL PIPE SIZE	LENGTH OF PIPE, FEET															
	10	20	30	40	50	60	70	80	90	100	125	150	175	200		
1/4"	43	29	24	20	18	16	15	14	13	12	11	10	9	8		
3/8"	85	55	45	38	33	30	29	27	26	24	22	20	19	18		
1/2"	127	83	68	58	51	45	41	39	36	34	31	28	27	26		
3/4"	169	110	90	78	69	61	55	51	48	45	41	38	36	34		
1"	211	135	110	95	84	75	68	63	59	56	52	48	46	44		
1 1/4"	253	160	130	112	99	88	80	74	69	65	61	57	54	52		
1 1/2"	295	190	155	133	118	105	96	89	83	78	74	70	67	65		
2"	337	220	180	155	138	123	113	105	98	92	87	83	80	78		
2 1/2"	379	250	205	178	158	141	130	121	113	106	100	95	91	89		
3"	421	280	230	199	177	158	145	134	125	117	110	104	100	97		
4"	503	335	275	238	213	191	176	163	153	144	136	129	124	120		

POOL HEATER
500 CFH

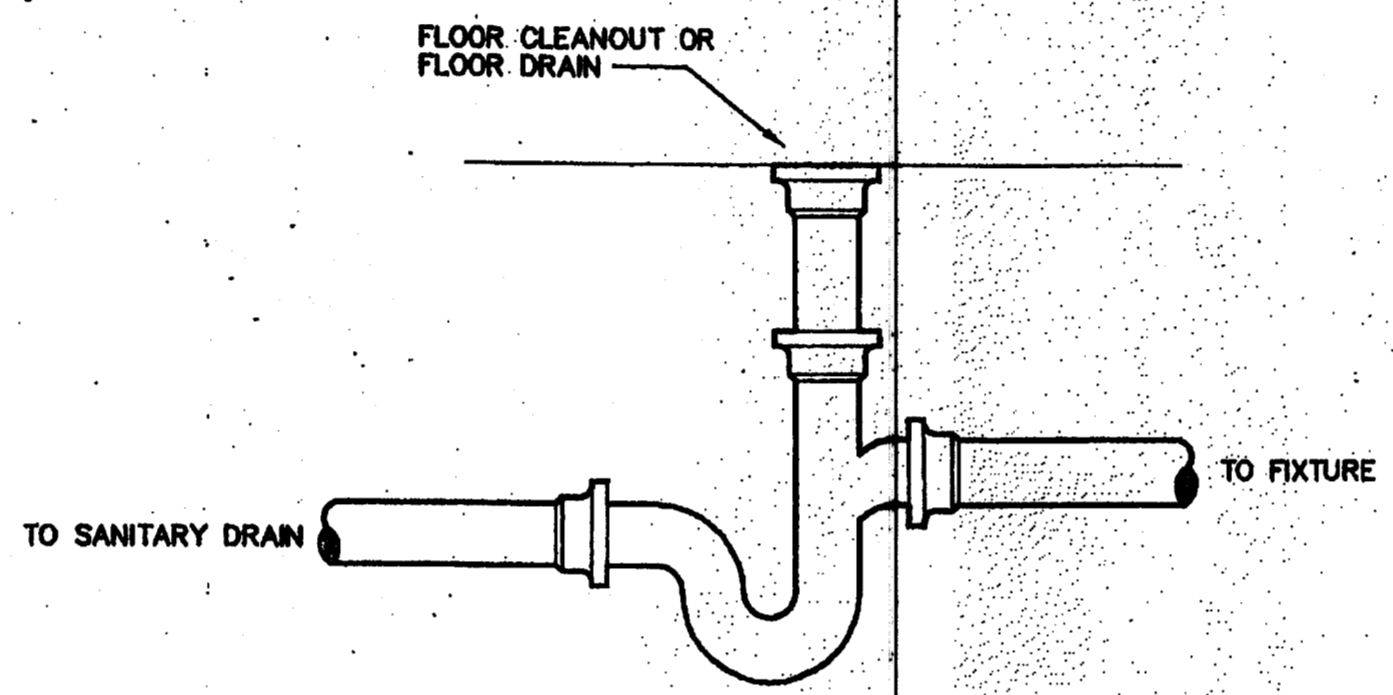
NOTE: THE ABOVE TABLE REFERENCES FLORIDA BUILDING CODE "FUEL GAS 2001" PAGE 4.2



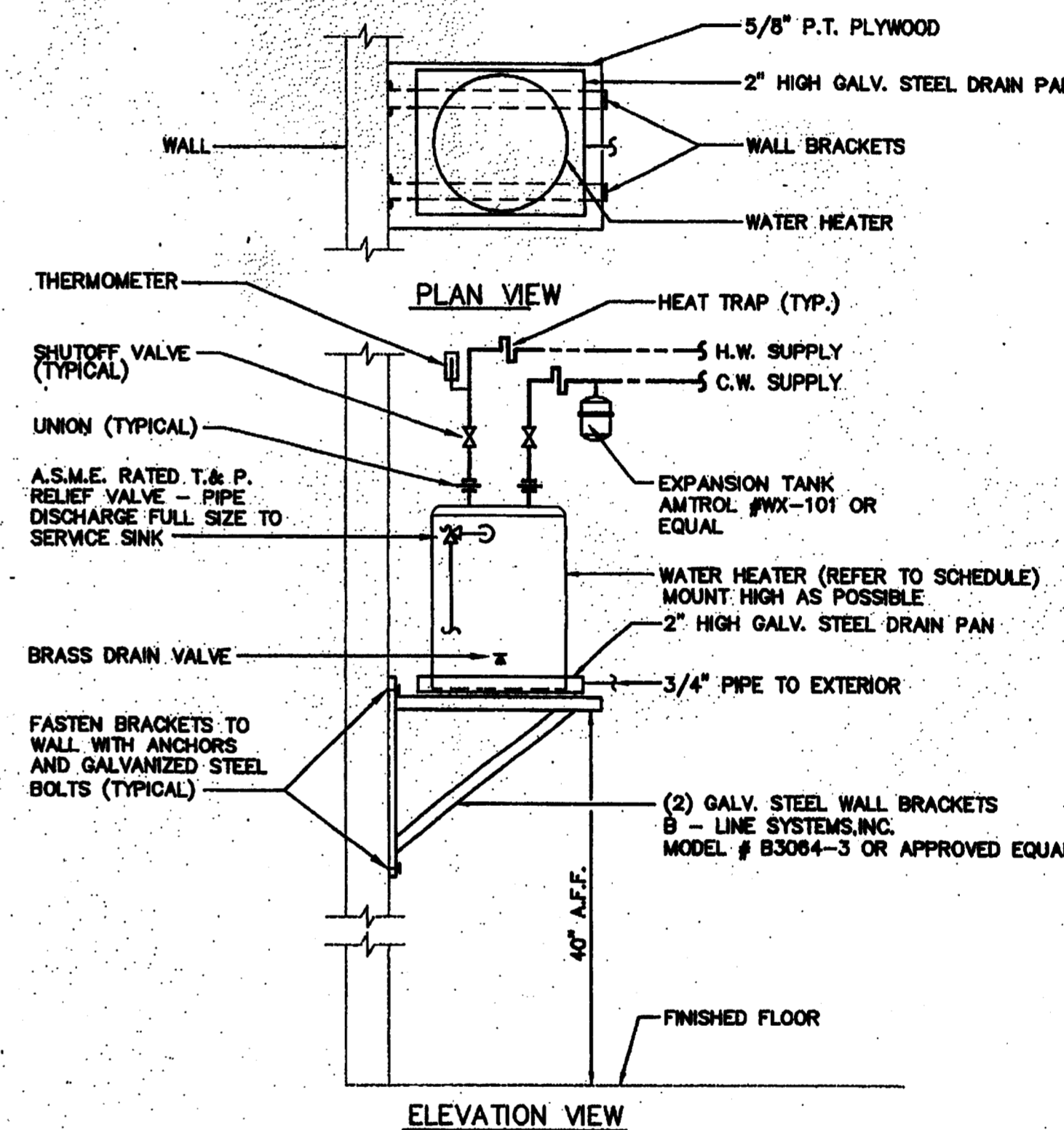
3 TYPICAL HUB DRAIN DETAIL
NO SCALE



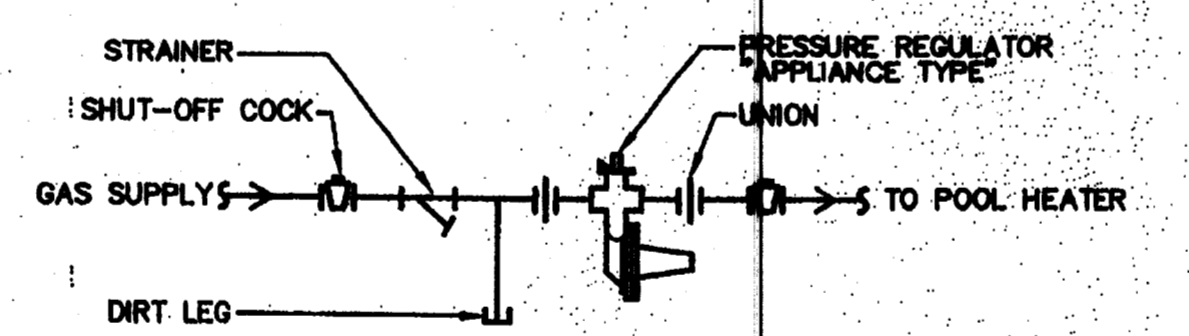
1 WATER HEATER DIAGRAM
NO SCALE



4 RUNNING P-TRAP DETAIL
NO SCALE



2 WALL HUNG WATER HEATER DETAIL
NO SCALE



5 GAS PIPING DIAGRAM FOR POOL HEATER
NO SCALE

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CUSCADEN
POOL
RENOVATION

CITY OF TAMPA
300 East Jackson Street
Tampa, Florida 33602

Project No. 0202.00
Distribution _____ Date _____
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REVISION **A** 05.07.04

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DATE 8/26/05

DETAILS - PLUMBING

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P501

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PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL NO.	BRANCH CONNECTIONS ①		
				WASTE	C.W.	H.W.
S-1	SINK - COUNTER MOUNTED, STAINLESS STEEL, 18 GA. TYPE 304 (18-8) NICKEL BEARING, 19" X 33" X 7 1/2" SIZE, DOUBLE COMPARTMENT, STAINLESS STEEL FLAT STRAINER, 1 1/2" O.D., S.S. TAILPIECE, 4" LONG. TRM - SINK FAUCET, GOOSENECK SPOUT, AERATOR, BLADE HANDLES, HANDLES INDEXED, SELF-CLOSING VALVE, COUPLING UNIT, LESS DRAIN. SUPPLIES - ANGLE STOP (1/2" I.P.S.), LOOSE KEY, C.P. NIPPLES, ESCUTCHEONS, 12" X 3/8" O.D. FLEX RISER. TRAP - CHROME PLATED, CAST BRASS, ONE-PIECE CLEANOUT PLUG, OUTLET TRAPPED FOR I.P. NIPPLE AND CAST BRASS FLANGE, POLISHED CHROME PLATED THREADED BOTH ENDS.	JUST ELKAY OR EQUAL CHICAGO T&S BRASS ZURN CHICAGO MCGUIRE ZURN MCGUIRE ZURN SANITARY DASH	# DL-1933-A-OR # LR-3319 # 201-08BA-E3-317 # 8-898 & 136X & 198-2 # 28351C4 # 1017 # H216SLKC # HLB00WLK # 891 # 28701 # RS70-9	1 1/2"	1"	-
SH-1	SHOWER - PRESSURE BALANCING MIXING VALVE, ADJUSTABLE STOP SCREW, DIVERTER WITH INTEGRAL VOLUME CONTROL, SHOWER HEAD WITH ARM AND FLANGE, INTEGRAL SERVICE STOPS, WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, ADA COMPLIANT LEVER HANDLE, WALL CONNECTION AND 30" SLIDE BAR, IN-LINE VACUUM BREAKER, POLISHED CHROME FINISH. SHOWER DRAIN - NEO-LOC PIPE CONNECTION DRAIN, DURA-COATED CAST IRON BODY WITH NEOPRENE GASKET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE TYPE 'B' NICKEL BRONZE STRAINER. INSTALL CONTROL VALVE BETWEEN 38" & 48" ABOVE FINISHED FLOOR.	SYMONS POWERS LEONARD ZURN JOSAM J.R. SMITH	# 94-300-330-X # P94H-B-W # PAL 1/2-B-801 # 2N-415 # 3000-SA # 2005 AS NB	2"	1"	1"
SH-2	SHOWER - STAINLESS STEEL COLUMN AND COLUMN CAP, 3 SHOWER HEADS (2.0 GPM), BASE FLANGE, MOUNTING BOLTS, ACCESS DOOR IN LOWER SECTION, BOTTOM SUPPLY, SINGLE COMPRESSION VALVE, INTERIOR PIPING, VANDAL-PROOF SHOWERHEAD, FOOT SPRAY AT BOTTOM, STOPS IN SUPPLY, LESS DRAIN SLOTS, 6"-0" SHOWER HEAD HEIGHT.	BRADLEY ACORN ENGINEERING OR EQUAL	# 4CA-8-0'-0'-SV	-	S"	-
SH-3	SHOWER - PRESSURE BALANCING MIXING VALVE, LEVER HANDLE, ADJUSTABLE STOP SCREW, ADJUSTABLE SHOWER HEAD WITH FLANGE, INTEGRAL SERVICE STOPS, IN-LINE VACUUM BREAKER POLISHED CHROME FINISH. SHOWER DRAIN - NEO-LOC PIPE CONNECTION DRAIN, DURA-COATED CAST IRON BODY WITH NEOPRENE GASKET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE TYPE 'B' NICKEL BRONZE STRAINER.	SYMONS POWERS LEONARD ZURN JOSAM J.R. SMITH	# 25-X # 2N-415 # 3000-SA # 2005 AS NB	2"	1"	1"
FD-1	FLOOR DRAIN - COATED CAST IRON BODY WITH NEOPRENE GASKET, COMBINATION INVERTIBLE MEMBRANE CLAMP, INTEGRAL 1/2" PRIMER CONNECTION AND ADJUSTABLE NICKEL BRONZE STRAINER WITH VANDAL-PROOF SCREWS. (REFER TO PLANS FOR SIZES)	ZURN JOSAM J.R. SMITH	# 2N-415 # 3000-A # 2005 AS NB	PROVIDE DEEP SEAL TRAPS WHERE TRAP PRIMERS ARE NOT INDICATED.		
AD-1	AREA DRAIN - 6" PROM-DECK DRAIN, COATED CAST IRON BODY, SQUARE PROMENADE FRAME, HEEL PROOF GRATE WITH COMBINATION MEMBRANE FLASHING CLAMP/GRATE/GUARD, VANDAL PROOF SECURED TOP, POLISHED BRONZE GRATE.	ZURN JOSAM J.R. SMITH	# 2B-58-VP # 2370-30-SI # 147U-UB	REFER TO PLANS FOR SIZES		
HD-1	HUB DRAIN - COATED CAST IRON BACKWATER VALVE, PLASTIC BALL FLOAT, ELASTOMER SEAT, BRONZE CAGE AND BOTTOM OUTLET SPOUT CONNECTION, CAST IRON HUB ADAPTER WITH CAST IRON SOIL PIPE HUB AND FEMALE THREADED OUTLET.	ZURN JOSAM J.R. SMITH	# 2-1098 & 2-1030 # 871QA & 8850 # 708L & 2845	REFER TO FLOOR DRAINS		
HR-1	HOSE BIBB (EXTERIOR) - VACUUM BREAKER, BACKFLOW PROTECTED, WALL FAUCET, 3/4" INLET, ROUGH CHROME PLATED BRONZE CASTING, CHROME PLATED VACUUM BREAKER, LOOSE KEY HANDLE, WALL FLANGE.	CHICAGO T&S BRASS ZURN	# 387-ROF & E27 # 82-71 # 70077-BB & PC-88-PS4	-	S"	-
SS-1	SERVICE SINK - FLOOR MOUNTED, ONE-PIECE PRE-CAST TERRAZZO, STAINLESS STEEL RIM GUARD, GRID DRAIN. TRM - SERVICE SINK FAUCET, THREADED SPOUT, POLISHED CHROME VACUUM BREAKER, PAIL HOOK, WALL BRACE, RENEWABLE VALVES, INTEGRAL STOPS. 24" LONG X 3" WIDE, STAINLESS STEEL ATTACHED WITH THREE (3) RUBBER TIGHT GRIPS. 30" LONG FLEXIBLE, HEAVY DUTY 5/8" RUBBER HOSE, CLOTH REINFORCED, WITH 3/4" BRASS COUPLING AT ONE END, 5" LONG X 3" WIDE BRACKET, 18 GA. #302 STAINLESS STEEL WITH RUBBER GRIP	FIAT STERN WILLIAMS FLORESTONE CHICAGO T&S BRASS ZURN FIAT T&S BRASS OR EQUAL FIAT T&S BRASS OR EQUAL	# 758-400 # 58-80 # MODEL 82 # 897-CP # 8-0487-POL # 254181 # 888-CP # 5-0405 # 832-AA # 5-0454	3"	S"	S"
DF-1	DRINKING FOUNTAIN - STAINLESS STEEL WITH NO. 4 FINISH RECEPTOR AND BASE, CHROME PLATED BUBBLER, PUSH BUTTON OPERATED, CARTRIDGE TYPE, BRASS SELF-CLOSING VALVE, AUTOMATIC STREAM REGULATION, INTEGRAL WASTE STRAINER WITH 1-1/2" O.D. TAILPIECE, 1/2" I.P.S. SCREWDRIVER STOP. DRINKING FOUNTAIN SHALL BE INSTALLED WITH THE SPOUT AT A MAXIMUM OF 34" A.F.F. AND PROVIDE A MINIMUM OF 27" BETWEEN BOTTOM OF APRON AND FINISHED FLOOR.	HAWS OR EQUAL	# 33804	-	1"	-
WH-1	WATER HEATER (ELECTRIC) - 10 GALLON GLASS LINED TANK, SINGLE HEATING ELEMENT, THERMOSTAT, TANK INSULATION HEAVY GAUGE STEEL JACKET WITH BAKED ENAMEL FINISH, BRASS DRAIN VALVE, FULL 3 YEAR WARRANTY, ASME RELIEF VALVE, MEET ASHRAE 90A - 1980 FOR ENERGY EFFICIENCY, PROVIDE HEAT TRAP FITTINGS FOR CW & HW CONNECTIONS. ELECTRICAL REQ.: 4500 WATT / 208 VOLT / 1 PHASE	A.O. SMITH RHEEM STATE	# DEN-10 # 8944 # PV-10-10MSK	-	S"	S"
WH-2	WATER HEATER (ELECTRIC) - 40 GALLON GLASS LINED TANK, SINGLE HEATING ELEMENT, THERMOSTAT, TANK INSULATION HEAVY GAUGE STEEL JACKET WITH BAKED ENAMEL FINISH, BRASS DRAIN VALVE, FULL 10 YEAR WARRANTY, ASME RELIEF VALVE, MEET ASHRAE 90A - 1980 FOR ENERGY EFFICIENCY, PROVIDE HEAT TRAP FITTINGS ON BOTH CW & HW CONNECTIONS. 46 G.P.H. @ 40F TEMPERATURE RISE ELECTRICAL REQ.: 4500 WATT / 208 VOLT / 1 PHASE	A.O. SMITH RHEEM STATE	# DEN-40 # 8944 # PV-40-20RT	-	S"	S"
RD-1	ROOF DRAIN - 15" COATED CAST IRON LOCKING ALUMINUM DOME, NON-PUNCTURING CLAMP RING WITH GRAVEL STOP, BOTTOM OUTLET, DECK CLAMP, DRAIN RECEIVER.	ZURN JOSAM J.R. SMITH	# 2100-DA-AC # 21500-3-26 # 1010-A	REFER TO DRAWINGS FOR SIZES.		

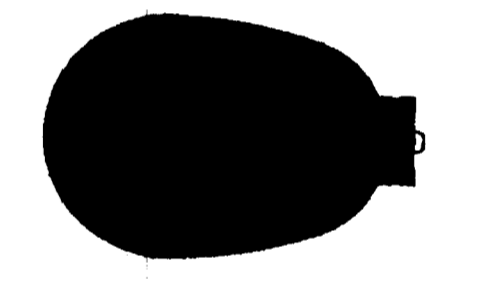
① BRANCH CONNECTION SIZES ARE INTENDED FOR BRANCH SIZES FROM WATER SUPPLY. REFER TO DESCRIPTION IN SCHEDULE FOR ACTUAL ROUGH IN PIPE SIZE CONNECTION TO FIXTURE.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL NO.	BRANCH CONNECTIONS ①		
				WASTE	C.W.	H.W.
WC-1	WATER CLOSET - FLOOR MOUNTED, FLUSH VALVE, 1.6 GAL., ELONGATED VITREOUS CHINA, SIPHON JET ACTION, TOP SPOUT, BOLT CAPS, ELONGATED BOWL, 14 1/4" HEIGHT. FLUSH VALVE - EXPOSED FLUSHMETER, NON-HOLD-OPEN HANDLE, 1 I.P.S. SCREW DRIVER ANGLE STOP, VACUUM BREAKER FLUSH ACTION, TOP SPOUT, SWEAT ADAPTOR, 1.6 GAL. FLUSH. SEAT - FINISH WHITE, EXTRA HEAVY DUTY PLASTIC, ELONGATED BOWL, OPEN FRONT LESS COVER, SELF SUSTAINING CHECK HINGE.	AMERICAN STANDARD CRANE KOHLER SLOAN BEMIS OLSONITE CHURCH	# 2234.015 # 3328E # K-4350 # 111-YB "ROYAL" # 1855-SS/C # 95 # 9500WC	4"	1"	-
WC-2	WATER CLOSET - FLOOR MOUNTED, FLUSH VALVE, 1.6 GAL., ELONGATED VITREOUS CHINA, SIPHON JET ACTION, TOP SPOUT, BOLT CAPS, ELONGATED BOWL, 17" HEIGHT. FLUSH VALVE - SAME AS WC-1 SEAT - SAME AS WC-1.	AMERICAN STANDARD CRANE KOHLER	# 3043.102 # 3470E # K-4388	4"	1"	-
L-1	LAVATORY - WALL MOUNTED 20 1/2" X 18 1/4" SIZE, VITREOUS CHINA, 4" CENTERS, SELF-DRAINING DECK, FAUCET LEDGE, FRONT OVERFLOW, CONCEALED ARM SUPPORT, INSTALL AT STANDARD ADULT HEIGHT. TRM - SINGLE LAVATORY FAUCET, PUSH BUTTON HANDLE (COLD WATER INDEXED), SELF-CLOSING METERING CARTRIDGE (SET FOR TEN SECONDS), VANDAL PROOF AERATOR, CHROME PLATED, CAST BRASS BODY, COUPLING NUT, INTEGRAL PERFORATED GRID DRAIN, 1 1/4" TAILPIECE. SUPPLIES - ANGLE STOPS (1/2" I.P.S.) LOOSE KEY, C.P. NIPPLES, ESCUTCHEONS, 12" X 3/8" FLEX RISER. TRAP - CHROME PLATED, CAST BRASS, ONE-PIECE P-TRAP, CLEANOUT PLUG, OUTLET TRAPPED FOR I.P. NIPPLE AND CAST BRASS FLANGE, POLISHED CHROME, THREADED BOTH ENDS, OFFSET GRID DRAIN. CARRIER - DURA-COATED CAST IRON, STEEL UPRIGHTS, CONCEALED ARMS AND SLEEVES, HEAVY CAST IRON FEET, ADJUSTABLE HEADERS, ALIGNMENT TRUSS, MOUNTING FASTENERS, LESS ESCUTCHEONS.	AMERICAN STANDARD CRANE KOHLER CHICAGO T&S BRASS ZURN ZURN JOSAM J.R. SMITH	# 0355.012 # 1412-V # K-2005 # 404-885CW # 1017 # H216SLKC # 21-8522-LR- # 8872 # 28700 # R867-8 # 2R-1231 # 17100 # 0700	1"	1"	-
L-2	LAVATORY - SAME AS L-1, INSTALL WITH 20" CLEAR FROM FLOOR TO UNDERSIDE OF LAVATORY. TRM - SAME AS L-1 SUPPLIES - SAME AS L-1 TRAP - SAME AS L-1 CARRIER - SAME AS L-1 P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE INSULATED WITH MOLDED SEAMLESS ANTIMICROBIAL MATERIAL, MINIMUM 3/16" THICKNESS, COLOR WHITE.	AMERICAN STANDARD CRANE KOHLER MCGUIRE TRUBRO OR EQUAL	# 6501.010 # 7167 # K-4960-T # PW 2000 WC	1"	1"	-
UR-1	URINAL - WALL MOUNTED, FLUSH VALVE, 1.0 GALLON FLUSH, VITREOUS CHINA, SIPHON ACTION, 3/4" TOP SPOUT, 2" I.P.S. OUTLET CONNECTION, REMOVABLE BEEVE STRAINER, INSTALL STANDARD ADULT HEIGHT. FLUSH VALVE - VACUUM BREAKER, 3/4" I.P.S. SCREWDRIVER ANGLE STOP, FLUSH CONNECTIONS, ADJUSTABLE TAILPIECE, 3/4" TOP SPOUT, 1.0 GALLON FLUSH. CARRIER - DURA-COATED CAST IRON, STEEL UPRIGHTS, ADJUSTABLE SUPPORT PLATE, HEAVY CAST IRON FEET, MOUNTING FASTENERS, BEARING JACKS.	AMERICAN STANDARD CRANE KOHLER SLOAN DELANEY ZURN ZURN JOSAM J.R. SMITH	# 6501.010 # 7167 # K-4960-T # ROYAL 186-1-YB # 2-1221 # 17800 # 0636	2"	S"	-
UR-2	URINAL - SAME AS UR-1, INSTALL WITH RIM AT 17" A.F.F. FLUSH VALVE - SAME AS UR-1. CARRIER - SAME AS UR-1.			2"	S"	-
EWC-1	ELECTRIC WATER COOLER - DOUBLE UNIT, RECESSED IN-WALL REFRIGERATION UNIT, BASED UPON 60" INLET WATER AND 60" AMBIENT TEMPERATURE, "LIGHT TOUCH" PUSH-BAR, SHUT-OFF FLOW REGULATING TANKERS SYSTEM, REMOVABLE LOWERED FRONT VENTILATING GRILLE, STAINLESS STEEL DRAIN COVER PLATE, STAINLESS STEEL GRILLE, REMOVABLE LOWERED FRONT. CAPACITIES: 8.0 GAL., 380 WATTS, 4.7 AMPS, 1/5 HP SUPPLIES - STRAIGHT STOP (1/2" SIZE), LOOSE KEY, ESCUTCHEON. TRAP - 1 1/4" X 1 1/4" CHROME PLATED, CAST BRASS, ONE PIECE P-TRAP, CLEANOUT PLUG, NIPPLE AND CAST BRASS FLANGE, POLISHED CHROME THREADED BOTH ENDS. MOUNTING HEIGHT - COOLER SHALL BE INSTALLED WITH THE (HC) SPOUT A MAXIMUM OF 34" A.F.F. AND PROVIDE A MIN. OF 27" BETWEEN BOTTOM OF SUPPORT ARM AND FLOOR.	ELKAY HAWS ORAINS CHICAGO T&S BRASS ZURN MCGUIRE ZURN SANITARY DASH	# 3636.01P # 11011E-30 # MBCK # 45-LK # 5-0416 # 8085 # 28710	1"	1"	-
<p>SHOWER ENCLOSURE - ADA COMPLIANT, WHITE CAST ACRYLIC SHOWER TUB/SHOWER, SOLID PADDED VINYL SEAT TOLD-DOWN, INTEGRAL MOLDED SOAP SHELF, ANTI-SLIP FLOOR TREATMENT, UNIT SHALL BE INSTALLED IN A PIT (2/8" DEEP), SET IN MORTAR BASE, FACTORY SUPPLIED STAINLESS STEEL CURTAIN ROD, PROVIDE BLOTTING AND MORTAR AS REQUIRED FOR COMPLETE INSTALLATION. NOMINAL DIMENSIONS: 36" X 36" UNIT LOCATIONS: (ROOMS #162, #110, #113 AND #114)</p>				FIAT PRODUCTS OR APPROVED EQUAL	# A 3636.01P	FOR ACTUAL
<p>SHOWER ENCLOSURE - ADA COMPLIANT, WHITE CAST ACRYLIC SHOWER TUB/SHOWER, SOLID PADDED VINYL SEAT TOLD-DOWN, INTEGRAL MOLDED SOAP SHELF, ANTI-SLIP FLOOR TREATMENT, FACTORY SUPPLIED STAINLESS STEEL CURTAIN ROD, PROVIDE BLOTTING AND MORTAR AS REQUIRED FOR COMPLETE INSTALLATION. NOMINAL DIMENSIONS: 62" X 34" X 88 1/2" UNIT LOCATION: (ROOM #121)</p>				FIAT PRODUCTS OR APPROVED EQUAL	# MS-303H	
<p>① BRANCH CONNECTION SIZES ARE INTENDED FOR BRANCH SIZES FROM WATER SUPPLY. REFER TO DESCRIPTION IN SCHEDULE FOR ACTUAL ROUGH IN PIPE SIZE CONNECTION TO FIXTURE.</p>						

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CUSCADEN
POOL
RENOVATION

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308 East Jackson Street
Tampa, Florida 33602

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BID DOCUMENTS 02.02.04

Fixture Schedule -
Plumbing

RECORD DWG.

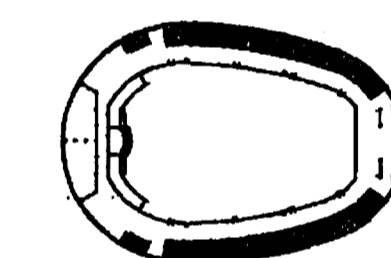
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Fixture Schedule - Plumbing

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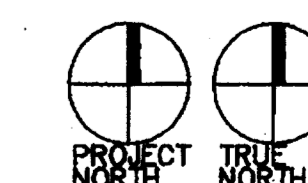
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Distribution	Date
BID DOCUMENTS	02.02.04
DOH PERMIT SUBMITTAL	07.12.04

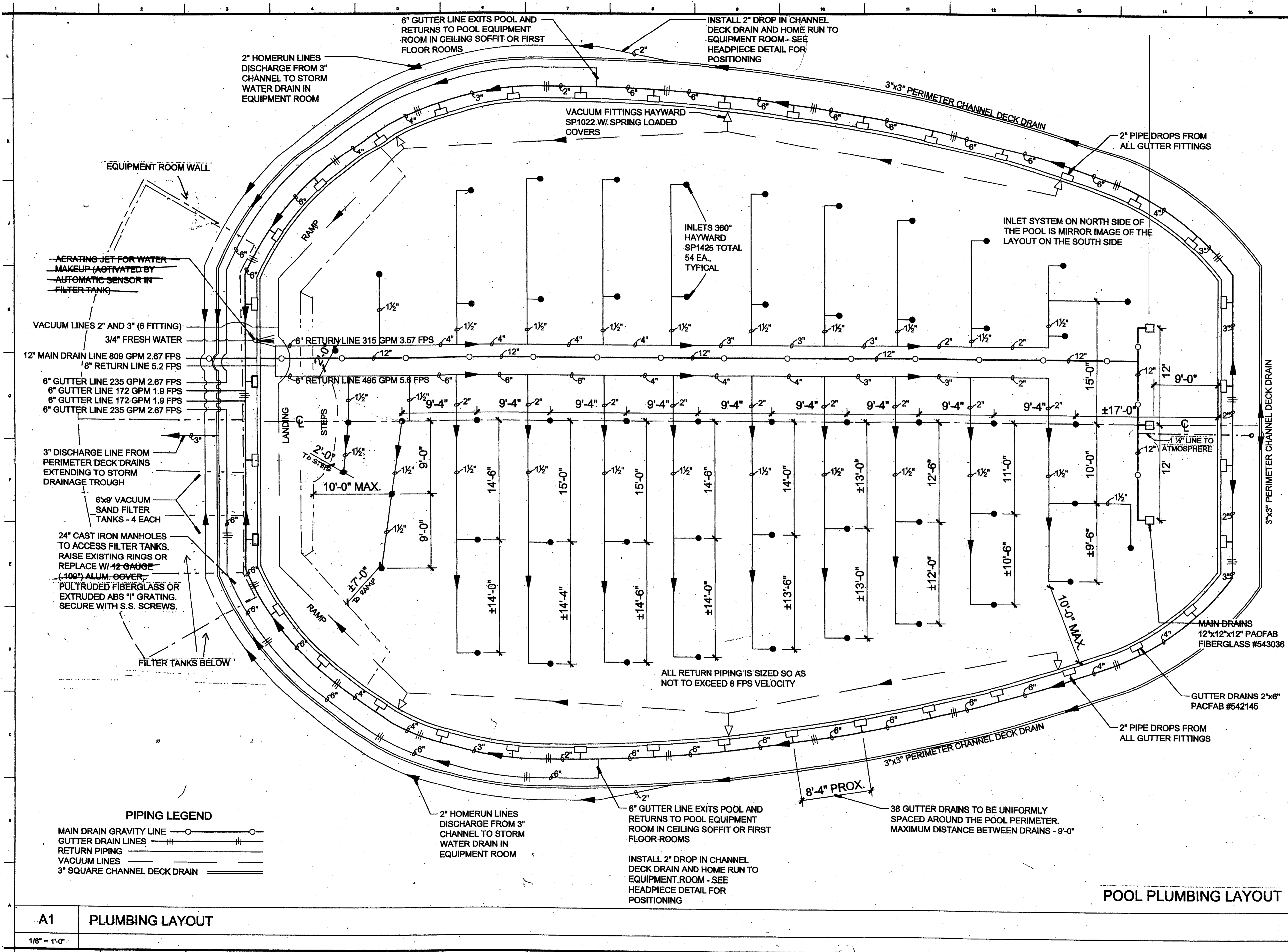
PLUMBING LAYOUT
SCALE 3/8" = 1'-0"

RECORD DWG.
DATE 8/26/05



Q101

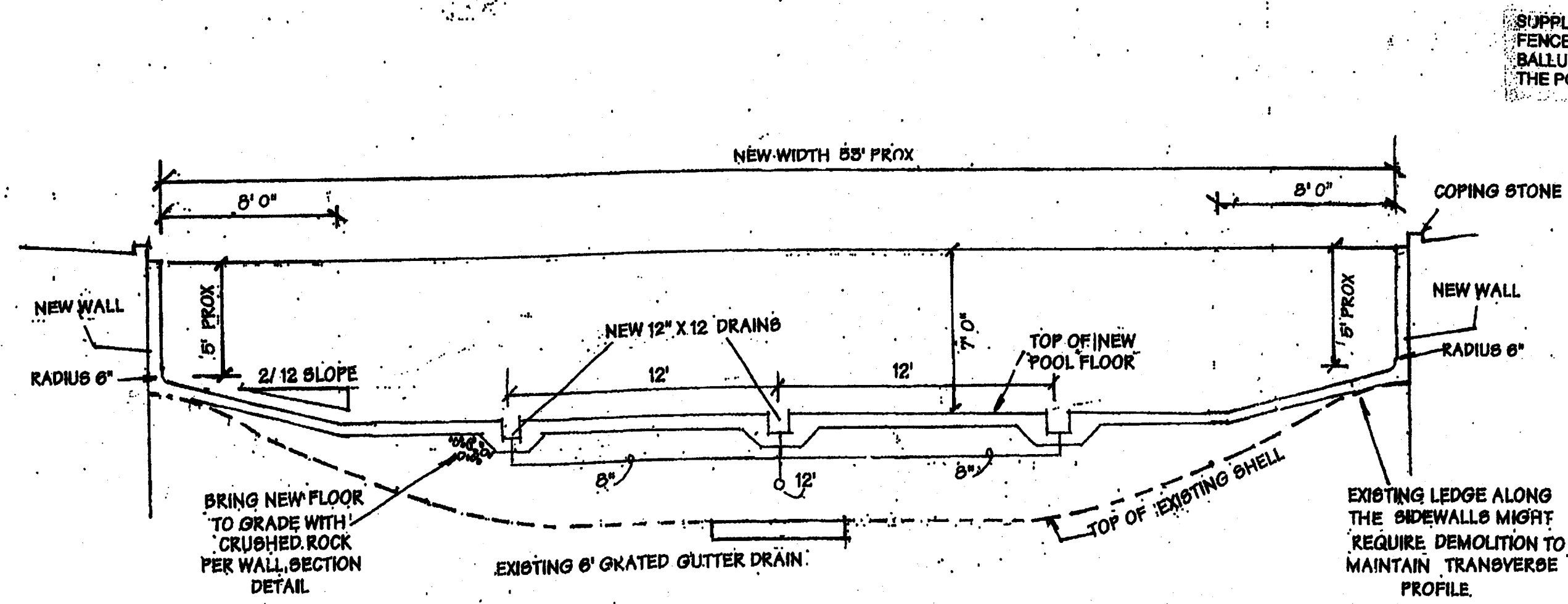
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HILLSBOROUGH COUNTY HEALTH DEPARTMENT



A1 PLUMBING LAYOUT

1/8" = 1'-0"

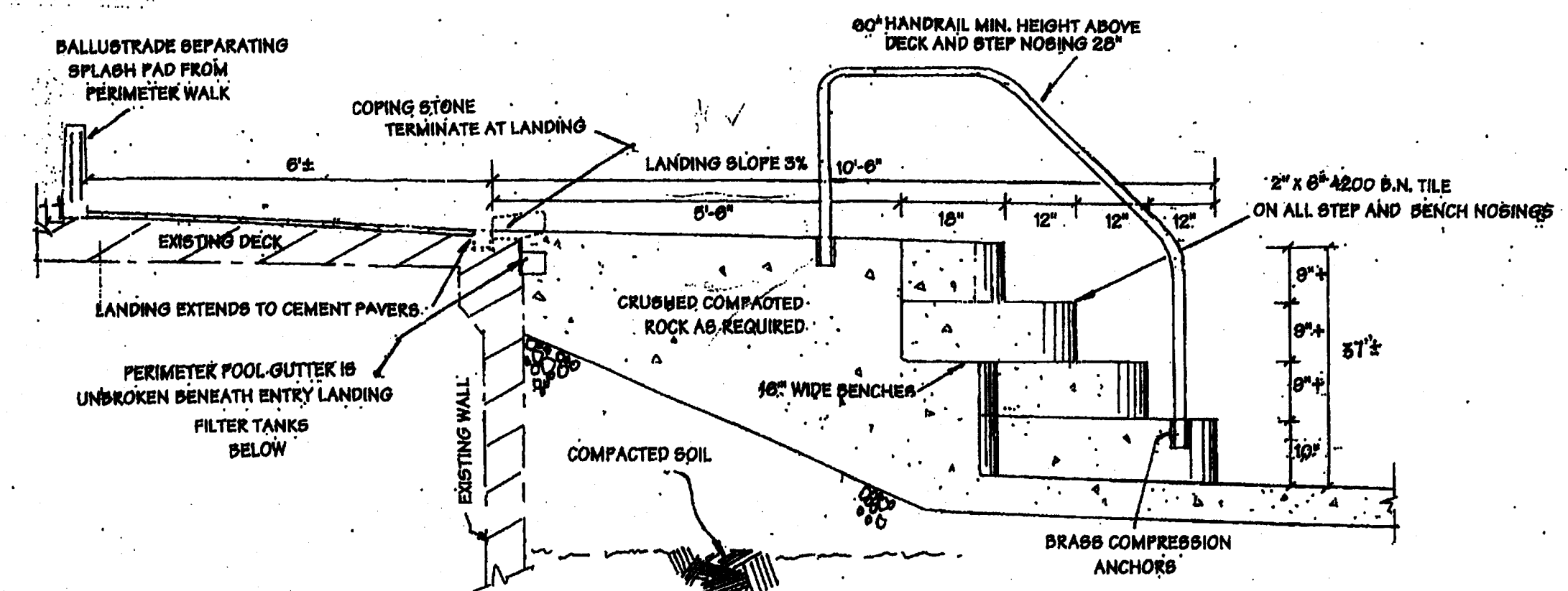
2/7 009



TRANSVERSE SECTION @ DEEP POINT

SCALE 3/16" = 1'-0"

SUPPLEMENTARY CHILD PROOF FENCE NOT REQUIRED BEHIND BALLUSTRADE FENCE SEPARATE THE POOL FROM THE SPLASH PAD.



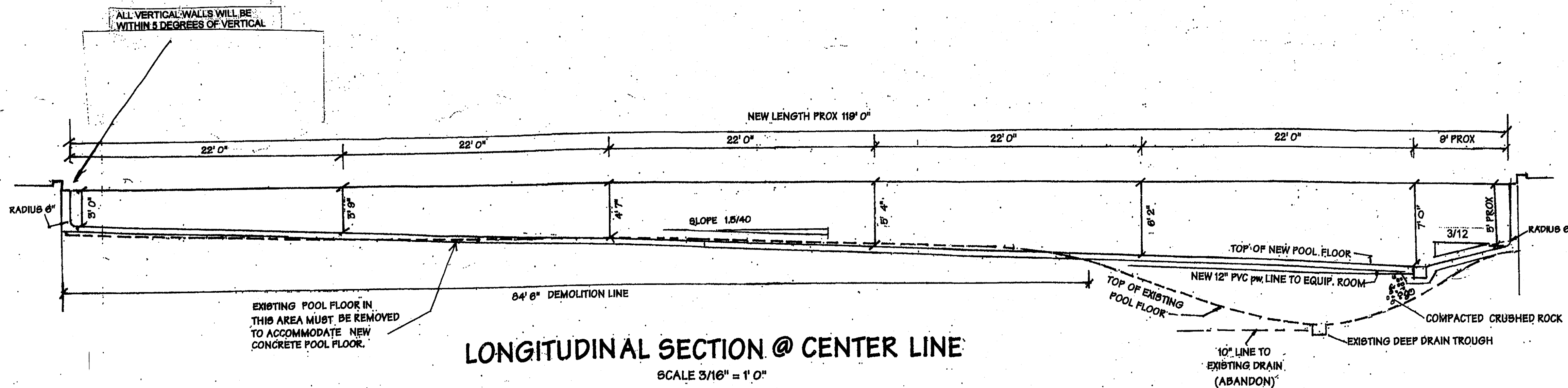
SECTION THRU ENTRY LANDING AND STEP

SCALE 1/4" = 1'-0"

STAIRS SHALL HAVE A MINIMUM TREAD WIDTH OF 10 INCHES FOR A MINIMUM TREAD LENGTH OF 24 INCHES AND A MAXIMUM RISER HEIGHT OF 10 INCHES. TREADS AND RISERS BETWEEN THE TOP AND BOTTOM TREADS SHALL BE UNIFORM IN WIDTH AND HEIGHT.

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 ERNEST S. SILCOX P.E. #0008161
 Post Office Box 8374
 Tampa, FL 33674 813920-9192

Handwritten initials and date: MS 11-4-04



LONGITUDINAL SECTION @ CENTER LINE

SCALE 3/16" = 1'-0"

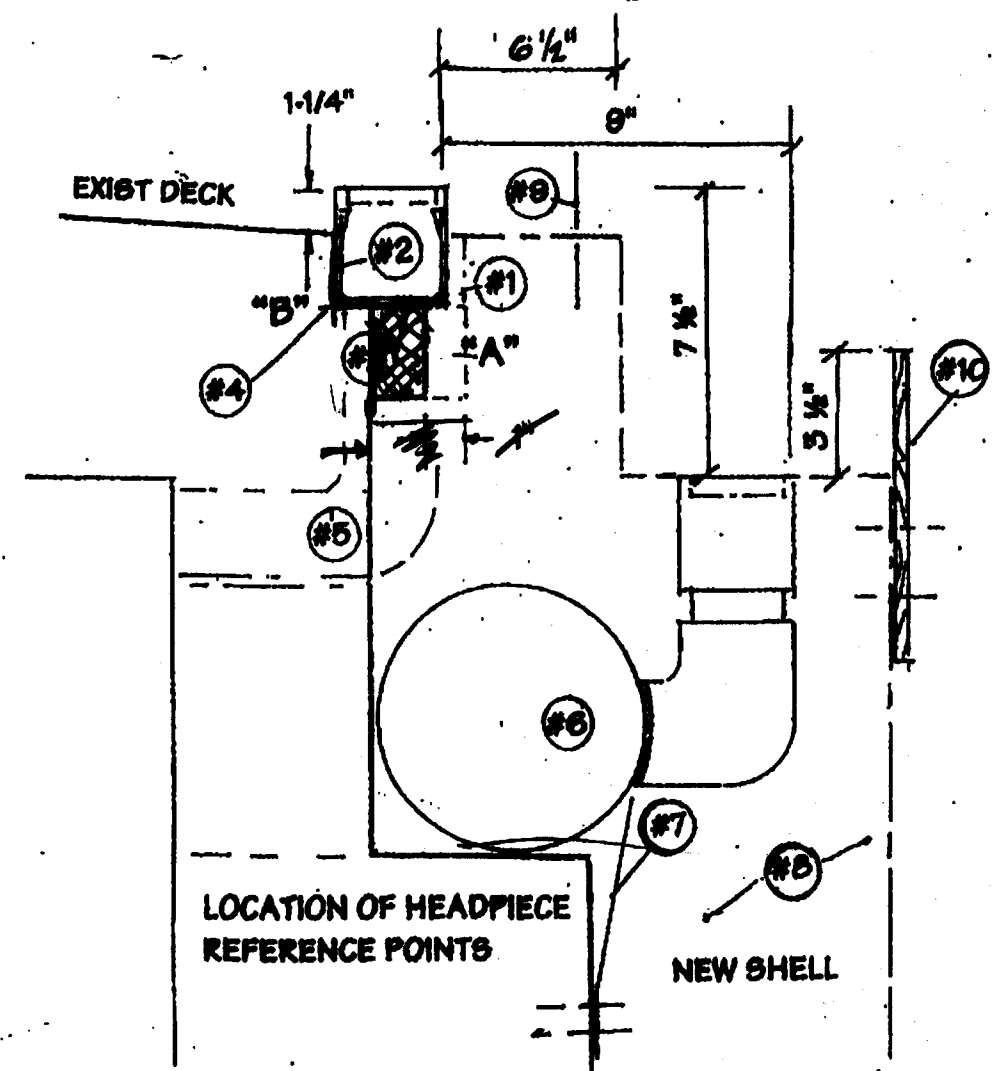
POOL SECTIONS AND STEP DETAIL

RECORD DWG.
 DATE 8/26/05

SHEET Q301

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 009



RECOMMENDED PROCEDURE FOR CONSTRUCTING NEW PERIMETER HEADPIECE DETAIL ON THE EXISTING POOL

(SEE REDUCED NUMBERED KEY ABOVE)

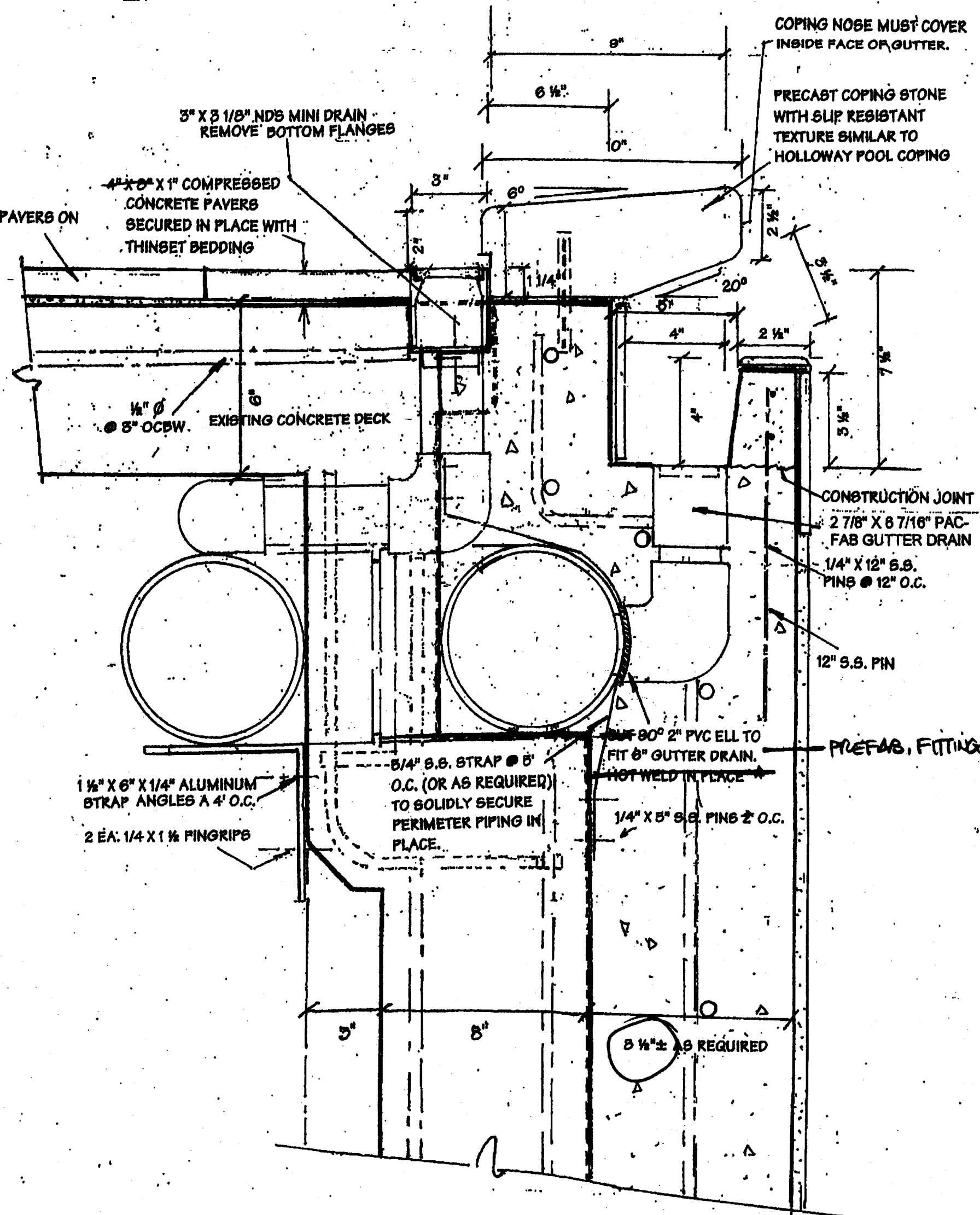
- 1) SHORTEN EXISTING DECK CANTILEVER (A) BY 1" WITH A VERTICAL CUT THRU THE 4" FACE.
- 2) THEN CUT VERTICAL REBATE INTO EXISTING DECK AT "B" PROX 2 1/4" FROM THE NEWLY EXPOSED VERTICAL FACE. THIS WILL RECEIVE THE NDS PERIMETER DECK DRAIN AS SHOWN.
- 3) IDENTIFY THE HIGH POINT IN THE POOL DECK. MAKE HORIZONTAL CUT INTO THE NEWLY EXPOSED DECK FACE COMMENCING AT 1 3/4" FROM THE TOP OF DECK AT THE HIGH POINT AROUND THE ENTIRE POOL. THIS CUT MUST BE LEVEL SINCE IT WILL CREATE A "PLATFORM" FOR PLACEMENT OF THE NDS PERIMETER DRAIN.

SAWCUTS MUST BE ACCURATE, LEVEL AND STRAIGHT OR MUST MATCH EXISTING DECK CONTOUR RADI.

- 4) POSITION NDS DRAIN IN PLACE TO THE HORIZONTAL CUT AND POSITIONED TIGHTLY AGAINST THE VERTICAL CUT. SECURE IN PLACE WITH MASONRY FASTENERS SUCH AS 1/4" X 3/4" S.S. PIN GRIP THROUGH BOTTOM OF THE DRAIN. THE NDS DRAIN WILL THEN BECOME A "GROUND" FOR THE CONSTRUCTION OF THE NEW SWIMMING POOL HEADPIECE AND WALL.
- 5) 2" DRAIN LINE FROM THE NDS CHANNEL DRAIN (4 EA.) ARE TO BE INSTALLED, EXTENDED THROUGH THE EXISTING POOL WALL, AND PIPED TO WASTE AS SHOWN ON THE PLUMBING DETAIL.
- 6) INSTALL 6" SCH. 40 PVC PW DRAIN LINE TOGETHER WITH 8" TUB-UPS AND 2" X 6" PENTAIR GUTTER DRAINS AS SHOWN ON THIS DETAIL. DRAINS MUST BE PRECISELY THE RIGHT ELEVATION, LEVEL, AND MUST PARALLEL THE EXISTING POOL WALL.

THE TOP OF THE GUTTER DRAINS SHOULD THEN BE CAREFULLY MASKED WITH SUN-PROOF MARKING TAPE TO PROTECT THEM DURING THE GUNNING.

GUTTER DRAINS EXIT THE SWIMMING POOL AT FOUR POINTS AS SHOWN ON THE PLUMBING SHEET. CORE THE EXISTING WALL AND INSTALL 6" THIMBLES AS SHOWN.



DIMENSIONING FOR MODIFICATION OF THE EXISTING POOL HEADPIECE

SCALE 3" = 1'-0"

- 7) SECURE THE 6" GUTTER LINE FIRMLY IN PLACE WITH 3/4" S.S. STRAP AS REQUIRED.
- 8) AFTER 1/4" REBAR IS IN PLACE AND THE PERIMETER DECK DRAIN IS TIGHTLY MARKED, THE WALL AND HEADPIECE IS READY FOR GUNITE (SHOTCRETE) APPLICATION. (THE GUTTER LIP IS TO BE POST APPLIED.)
- 9) S.S. PINS FOR SECURING THE COPING STONE IN PLACE AND FOR PROVIDING SUPPORT FOR THE 3" X 4" GUTTER LIP MUST BE ACCURATELY POSITIONED BEFORE THE PNEUMATICALLY PLACED CONCRETE TAKES INITIAL HYDRATION.
- 10) TO FORM AND CONSTRUCT THE GUTTER LIP, SECURE A VERTICAL FORM PROX. 8" TO 10" IN HEIGHT TO THE GUNITE WALL SO THAT 3 1/2" OF THIS FORM PROJECTS ABOVE THE TOP OF THE POOL SHELL AT THE GUTTER LIP. SECURE TWO EACH 1/4" S.S. RODS TO THE EXPOSED 1/4" PIN PROJECTING ABOVE THE SHELL AT THIS POINT. THE SAND/CEMENT GROUT MIX (4500#) FOR BUILDING THE GUTTER LIP MAY NOW BE CAREFULLY HANDPACKED AND TIGHTLY CONSOLIDATED TO FORM THE NEW CONCRETE GUTTER LIP.

- 11) THE HEADPIECE IS NOW READY FOR THE TWO VERTICAL COURSES OF 2" X 6" TILE AND THE CERAMIC TILE BINK CAP ON TOP OF THE GUTTER LIP ALONG WITH EPOXY COATING OF THE GUTTER BOTTOM AND INSIDE FACE.
- 12) COPING STONE MAY BE SET AT THE CONTRACTOR'S CONVENIENCE.

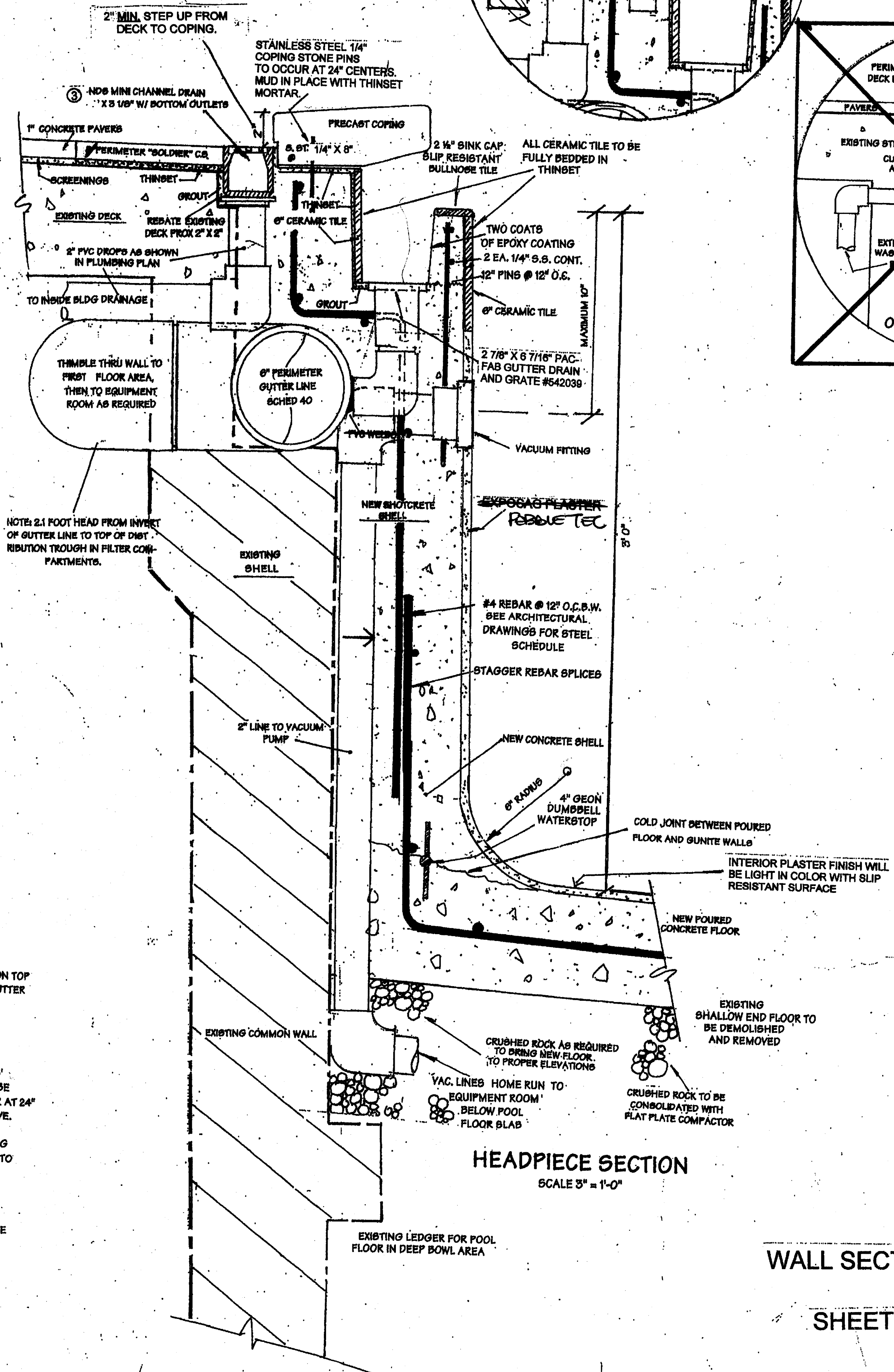
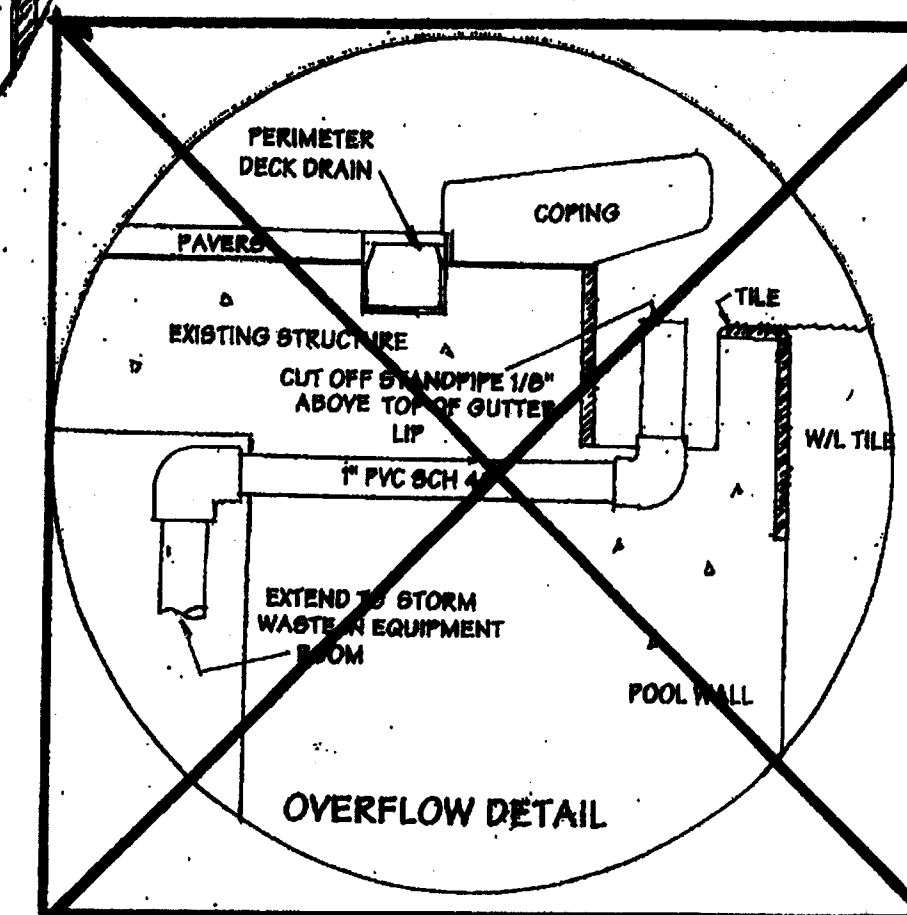
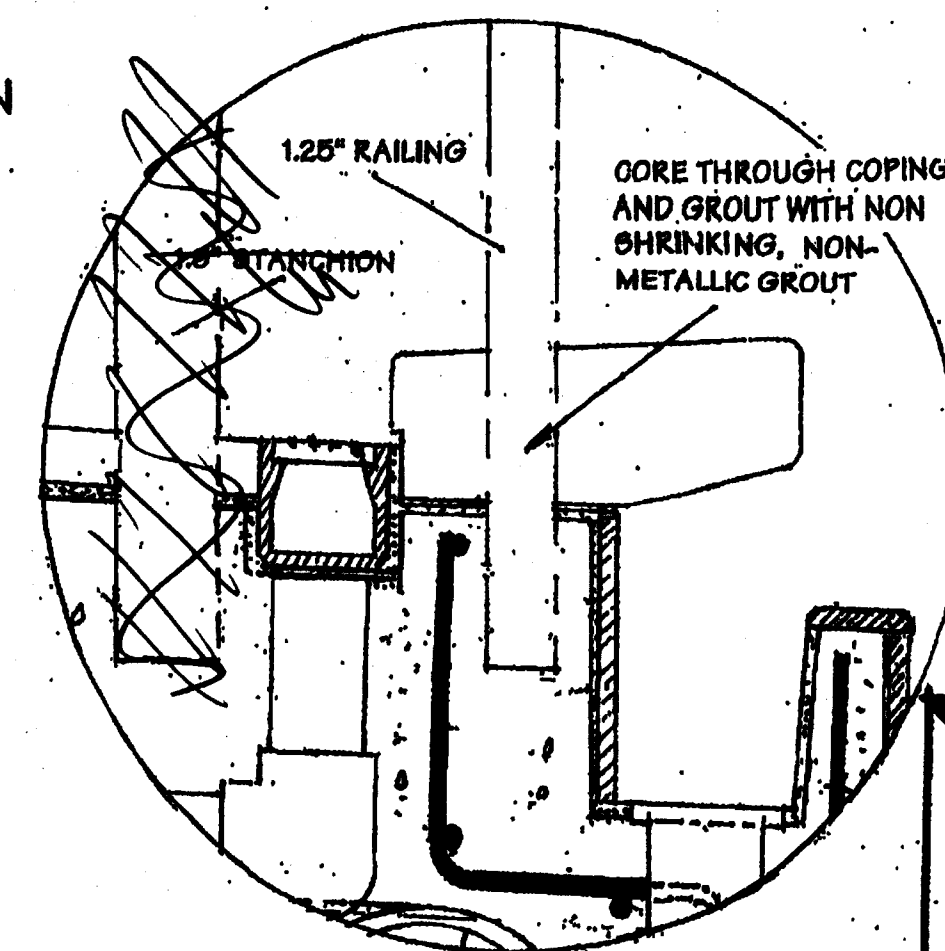
FINAL NOTE: SINCE THE NDS GUTTER DRAIN IS SHIPPED IN 6' STRAIGHT SECTION, THE WORK ON THIS HEADPIECE MIGHT BE SIMPLIFIED BY MITRING OR QUARTER CUTTING THE GUTTER AT 24" OR 30" CENTERS WHEN POSITIONING IT AS DESCRIBED ABOVE.

IF THE PRECAST COPING WERE MANUFACTURED IN MATCHING LENGTHS, 24"/30", THEN THE COPING COULD BE SET SO AS TO REGISTER WITH THE DECK DRAINS.

THIS PROCEDURE WOULD REQUIRE THAT THE S.S. PINS FOR LOCKING THE COPING STONE IN PLACE WOULD NEED TO BE POSITIONED AT MIDPOINT IN THE STRAIGHT SECTIONS OF THE PERIMETER DRAINS.

HANDRAIL/ROPE AND STANCHION HEADPIECE BARRIER AT RAMP ACCESS TO POOL.

BASE BID 6. STEEL 1.25" HANDRAIL, 28" HIGH WITH INTERMEDIATE RAIL. HALF RAIL AT 12" OD S.S. STEEL STANCHIONS WITH 3/4" POLYETHYLENE ROPE BARRIER.



HEADPIECE SECTION

SCALE 3" = 1'-0"

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WALL SECTIONS

SHEET Q401

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CUSCADEN POOL RENOVATION

CITY OF TAMPA
 308 East Jackson Street
 Tampa, Florida 33602

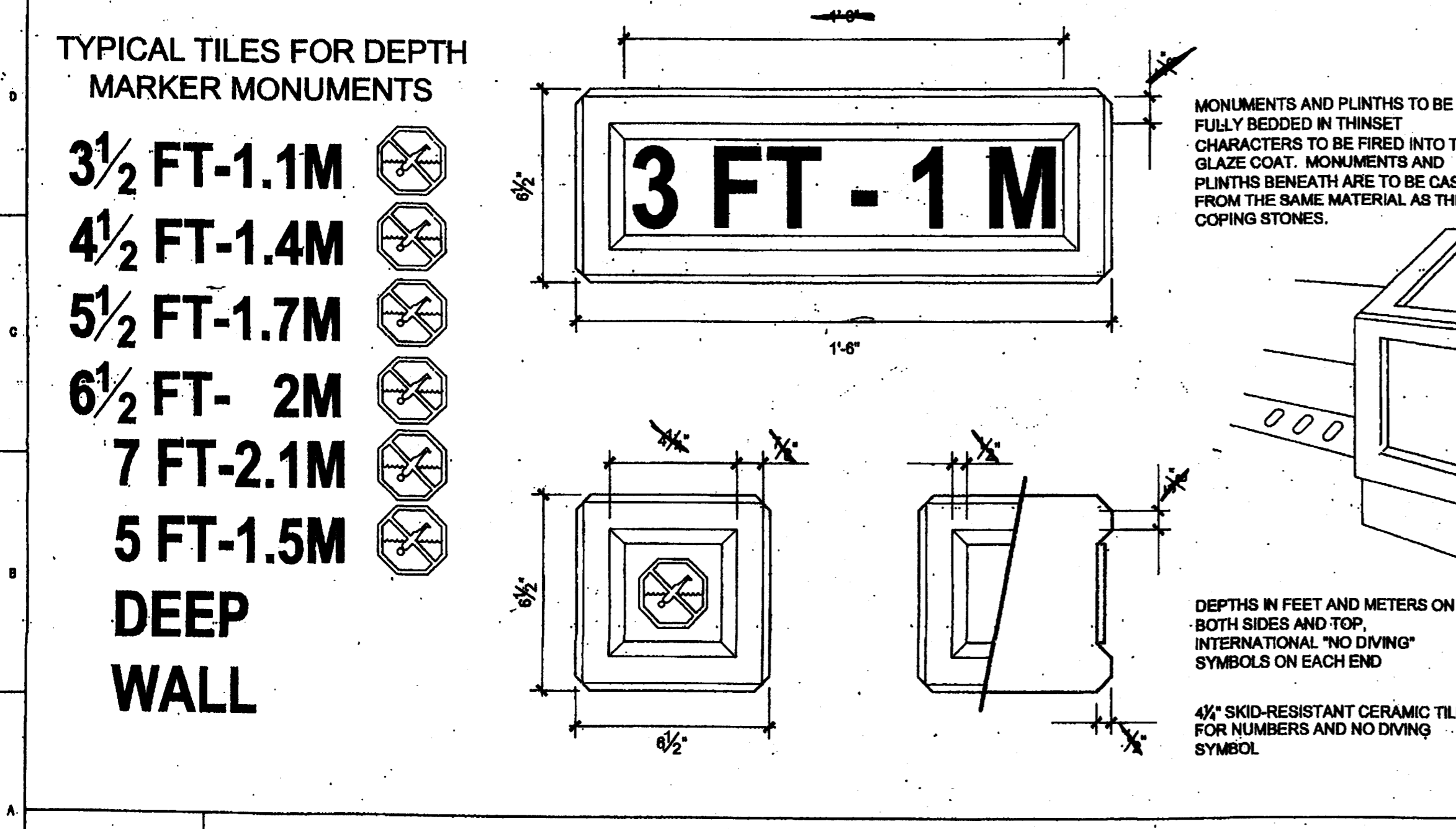
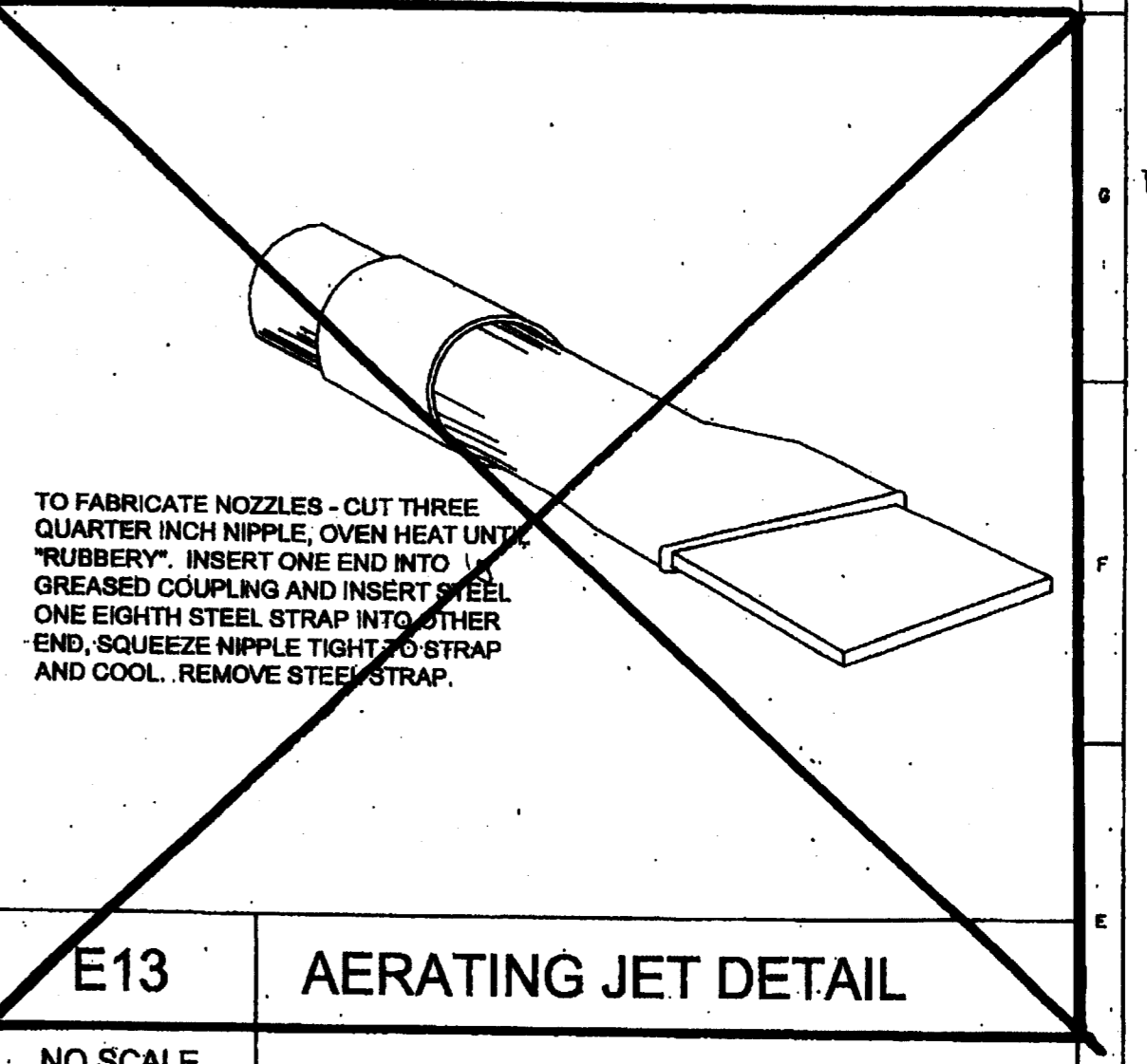
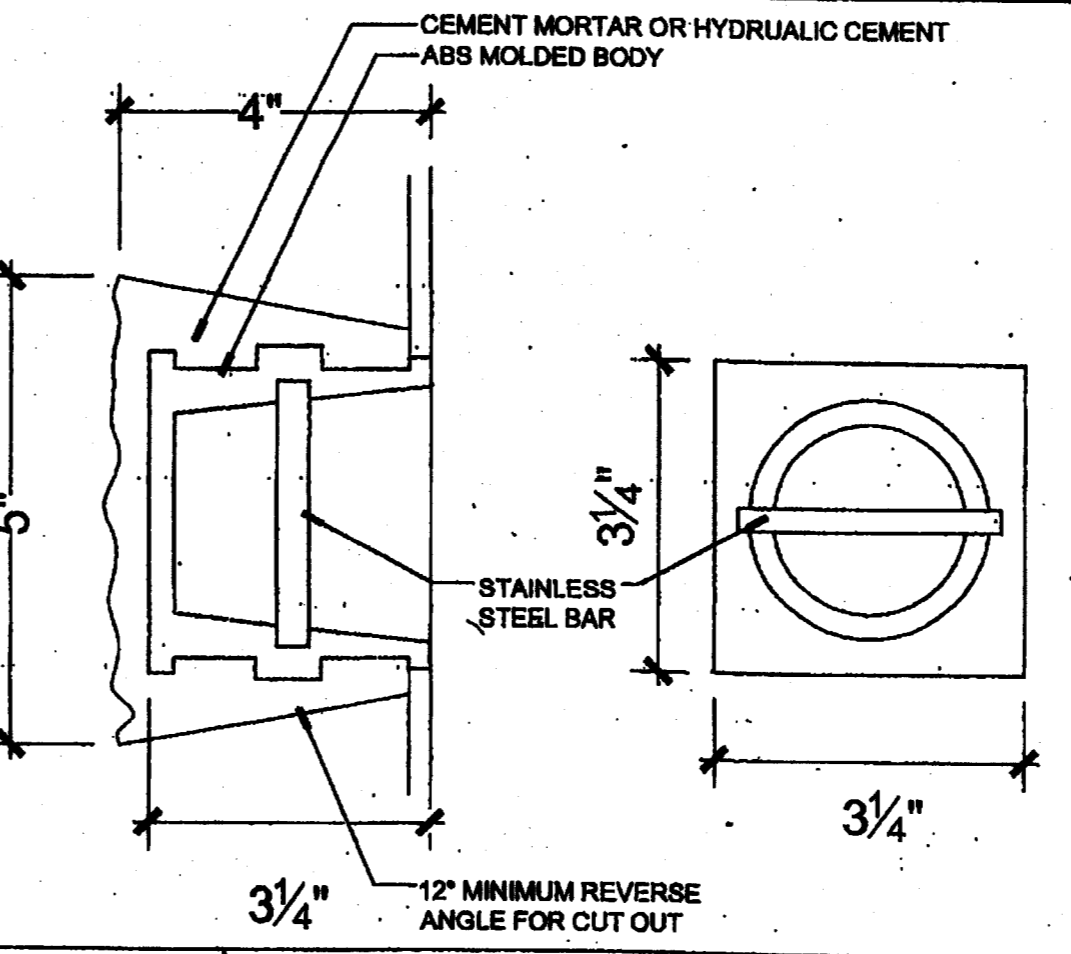
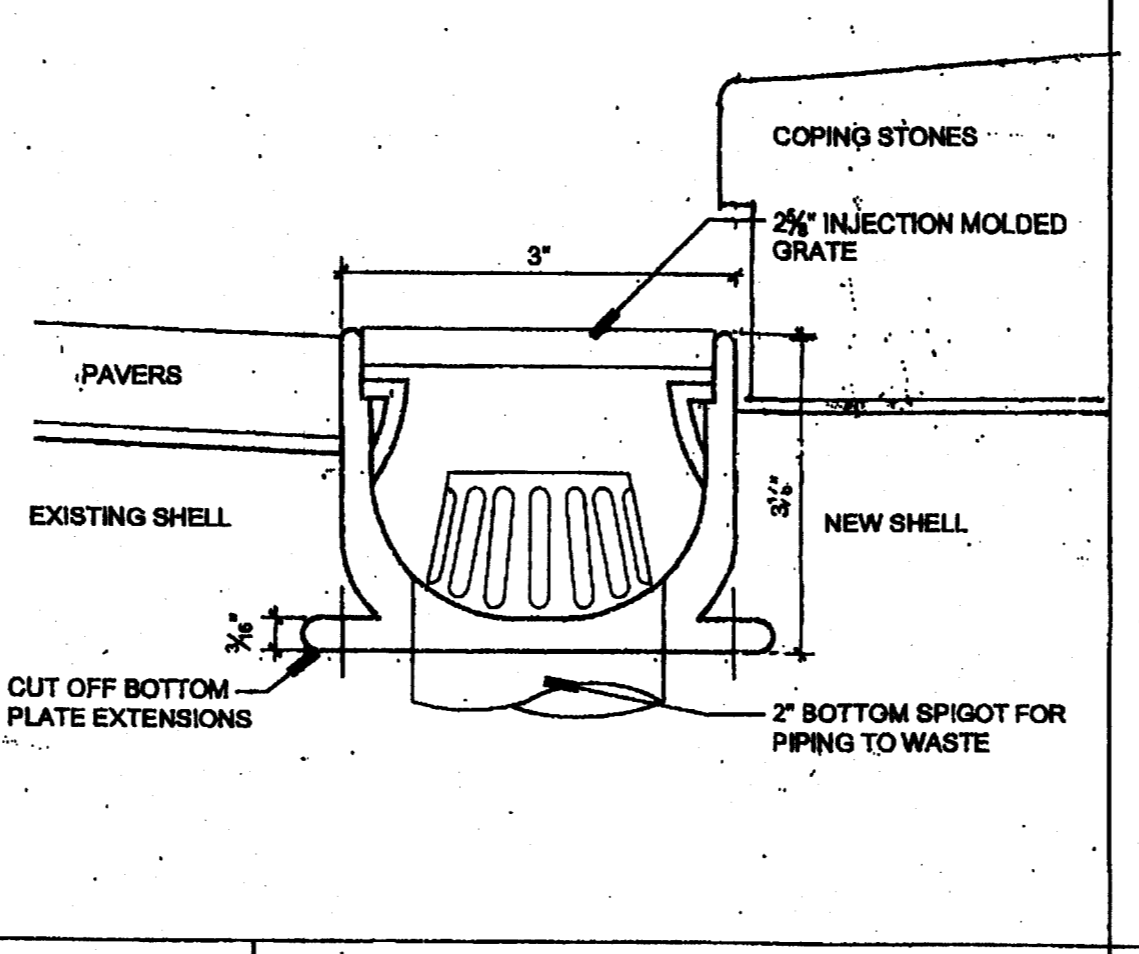
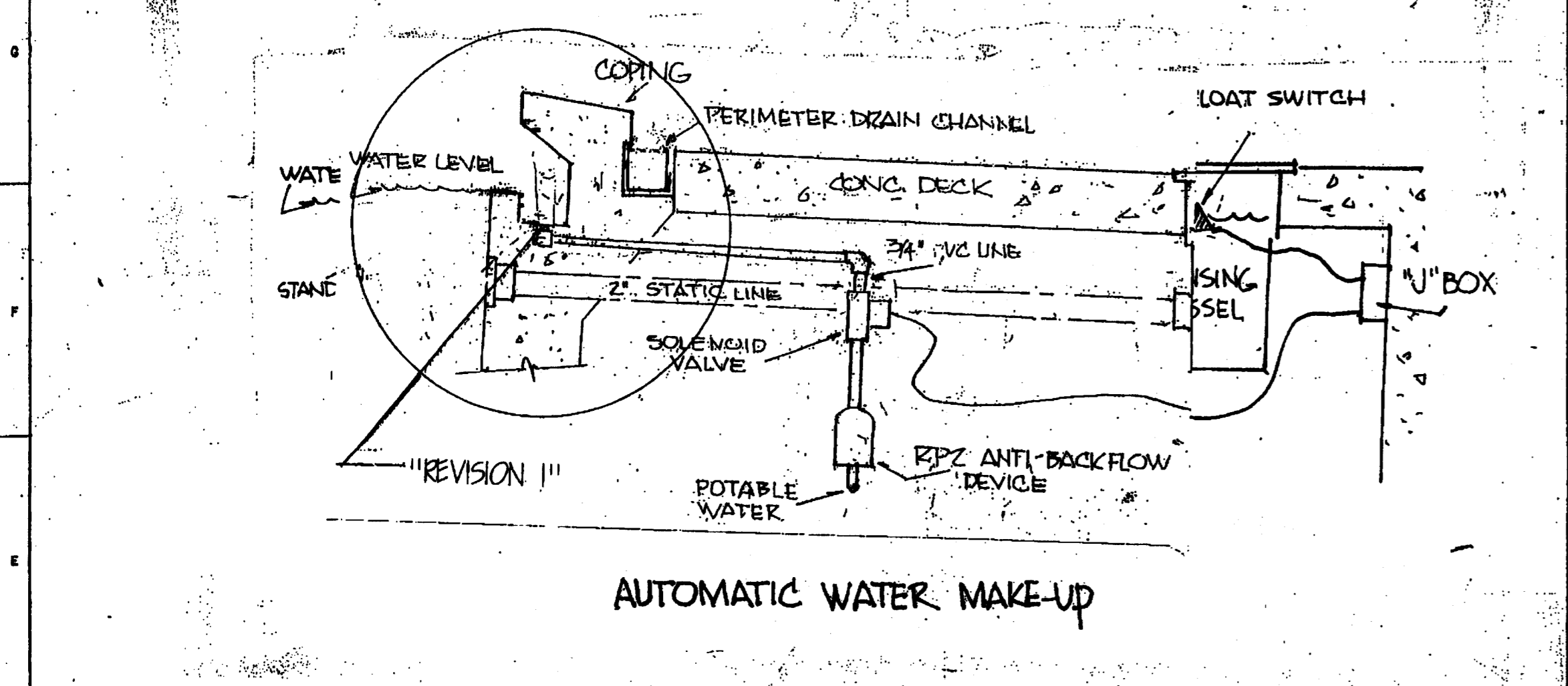
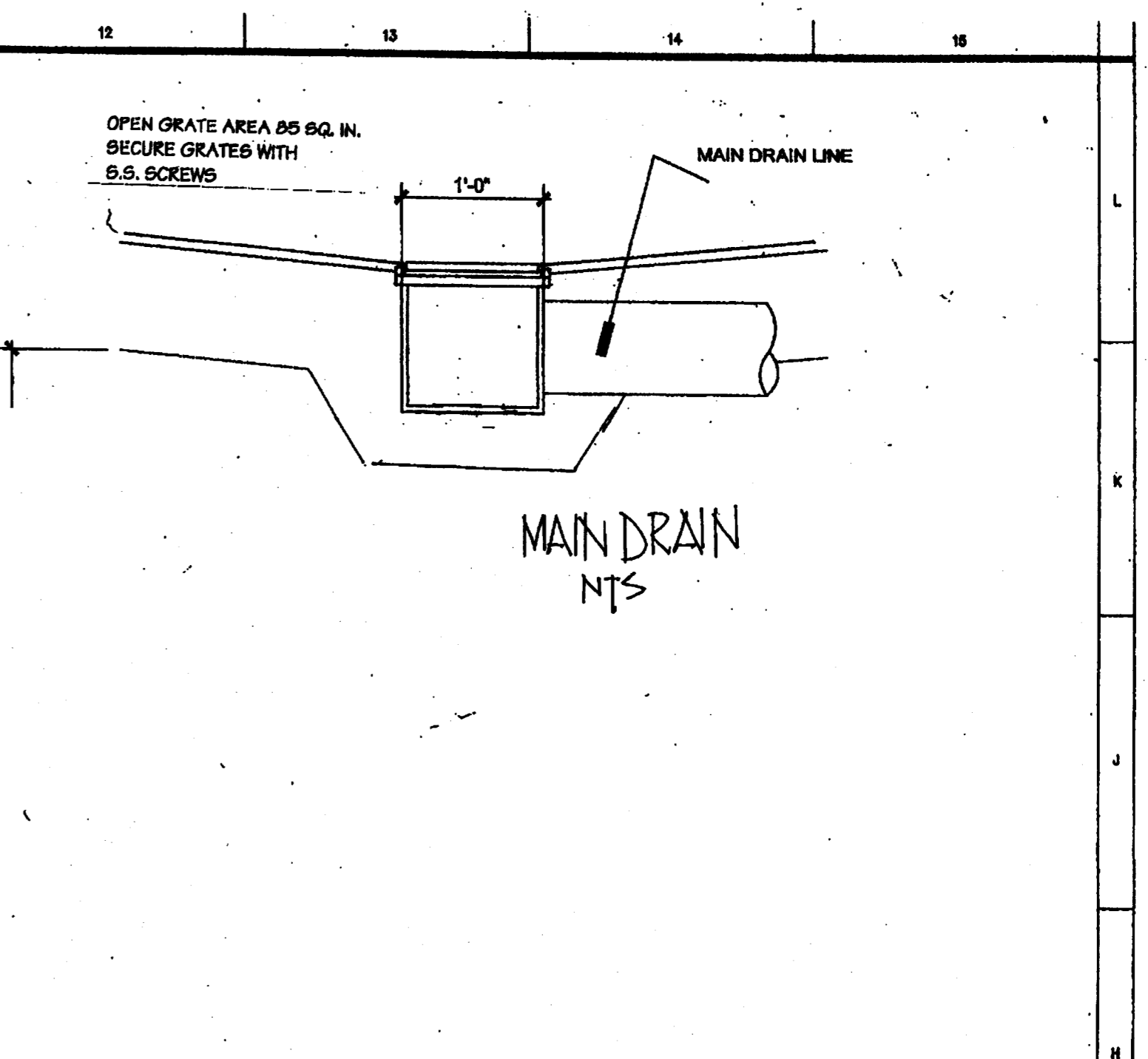
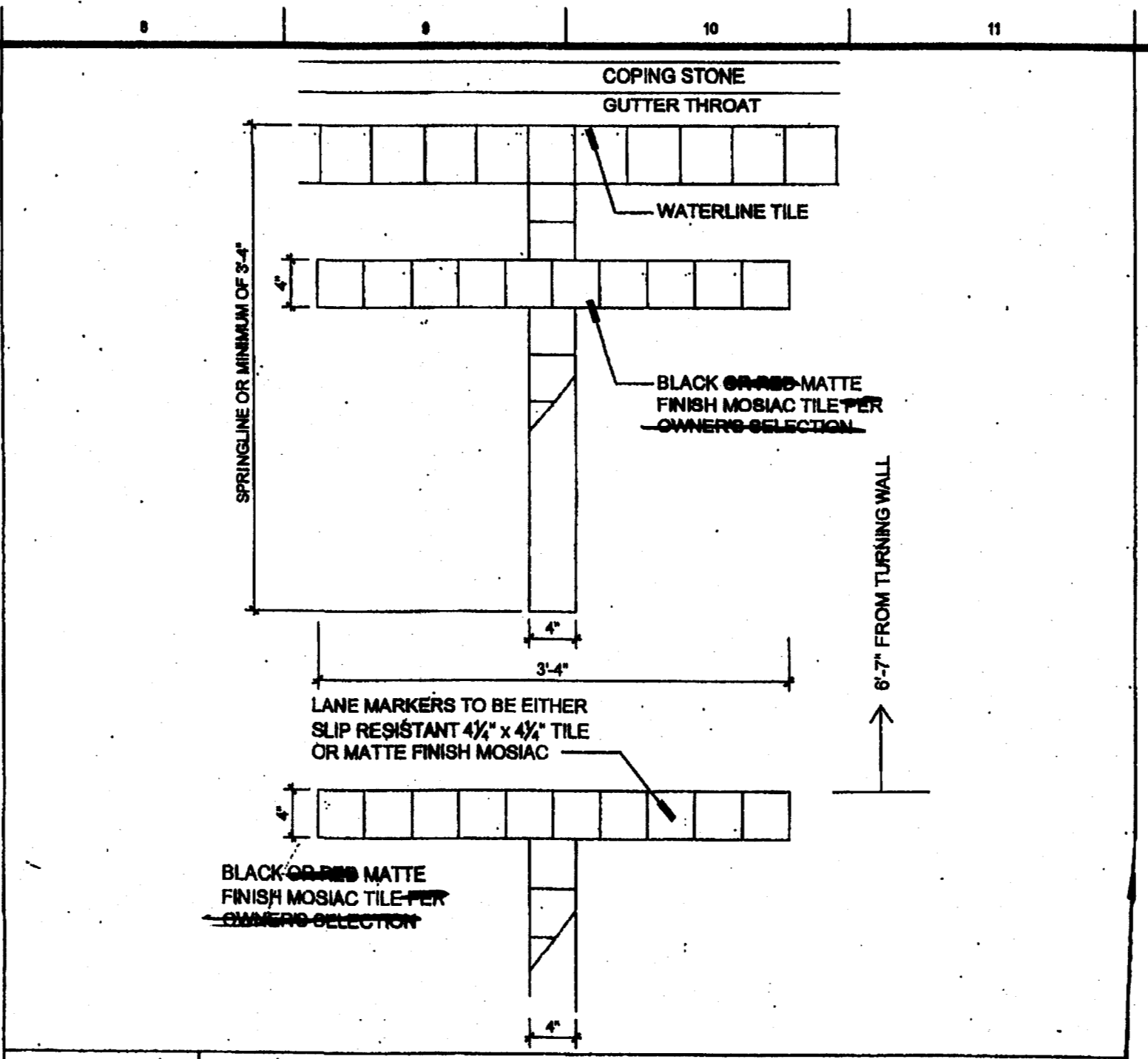
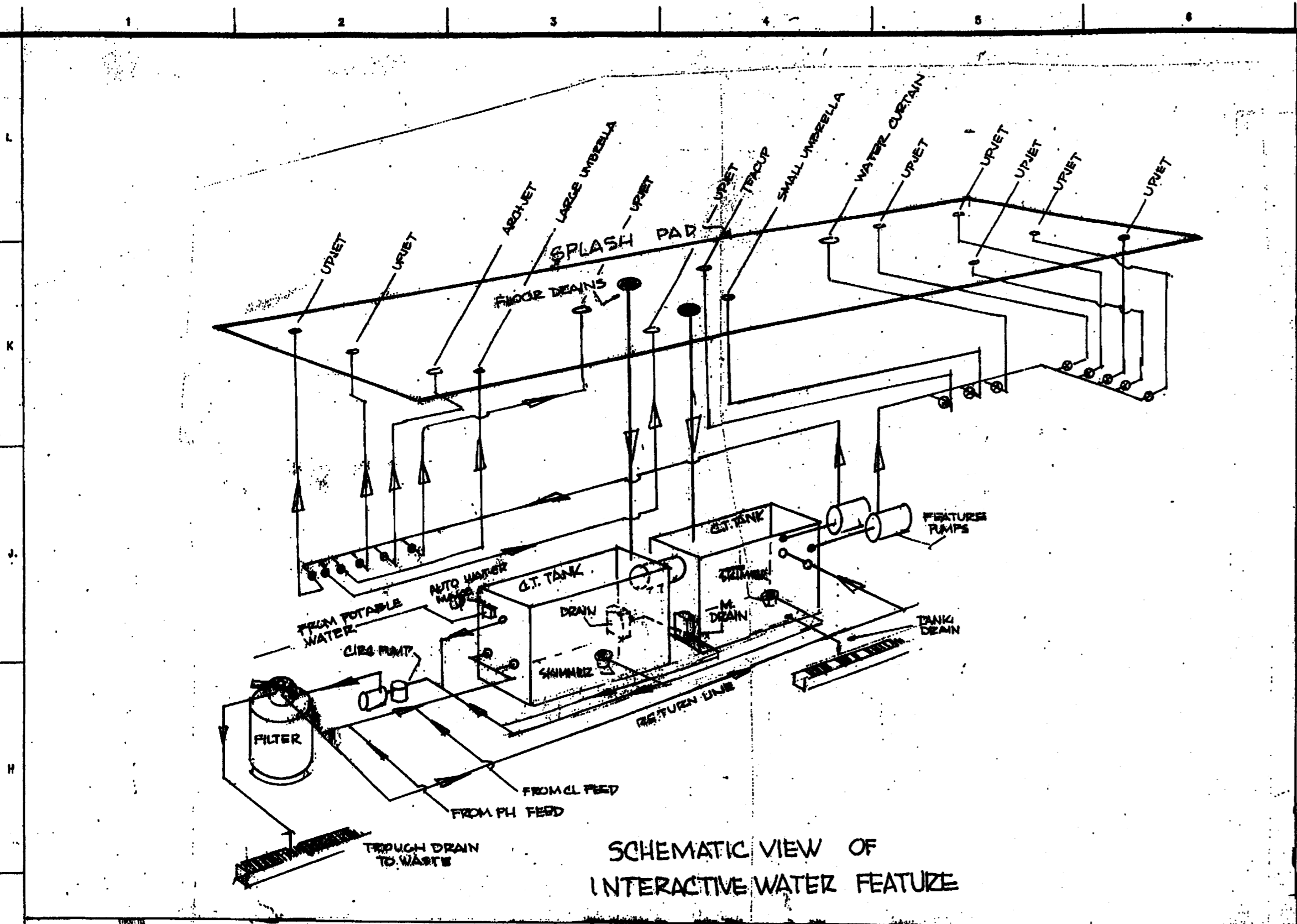
Project No.0202.00
 Distribution _____ Date _____
 BID DOCUMENTS 02.02.04
 DOH PERMIT SUBMITTAL 07.12.04

POOL DETAILS

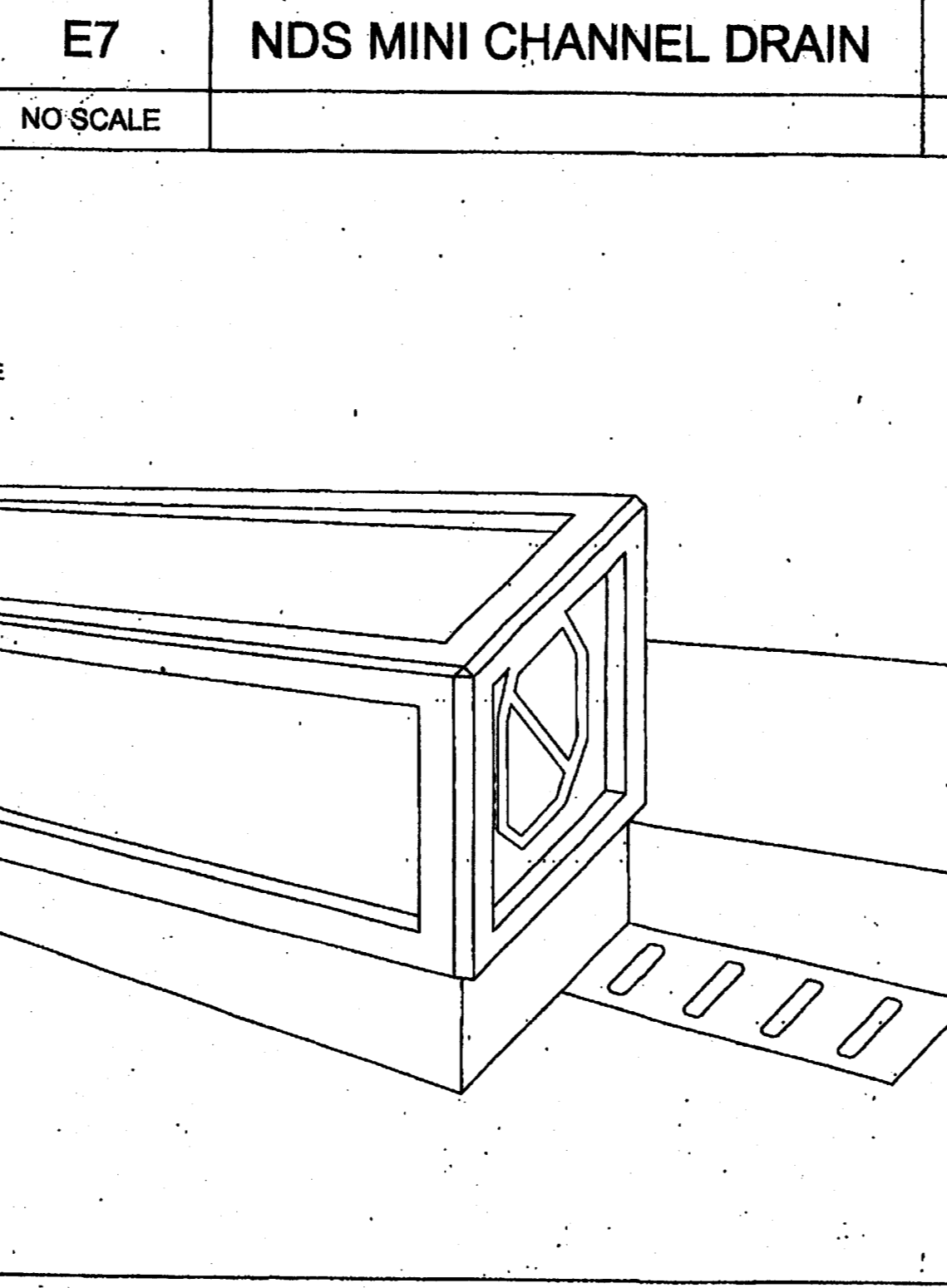
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 DATE 8/26/05

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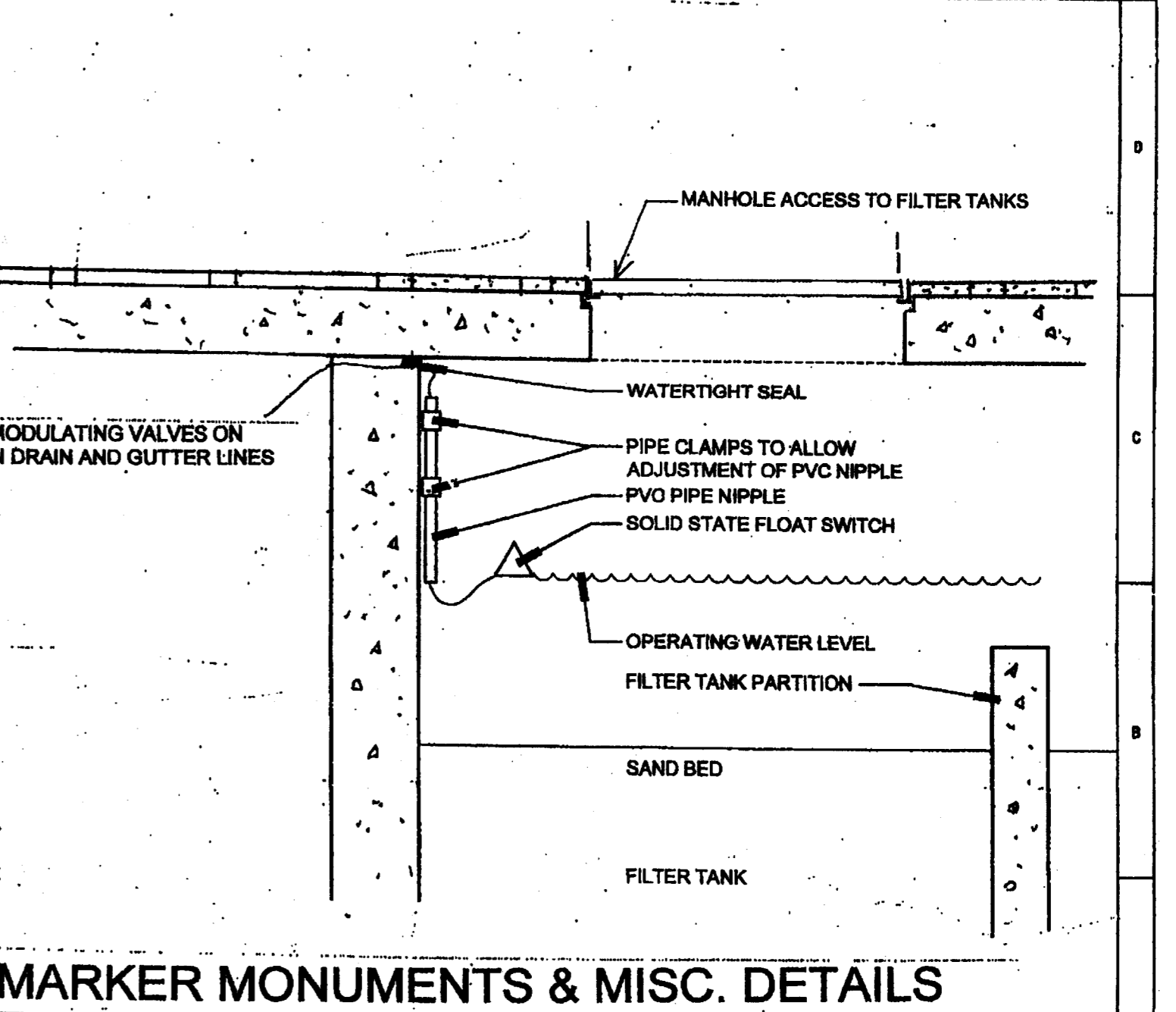
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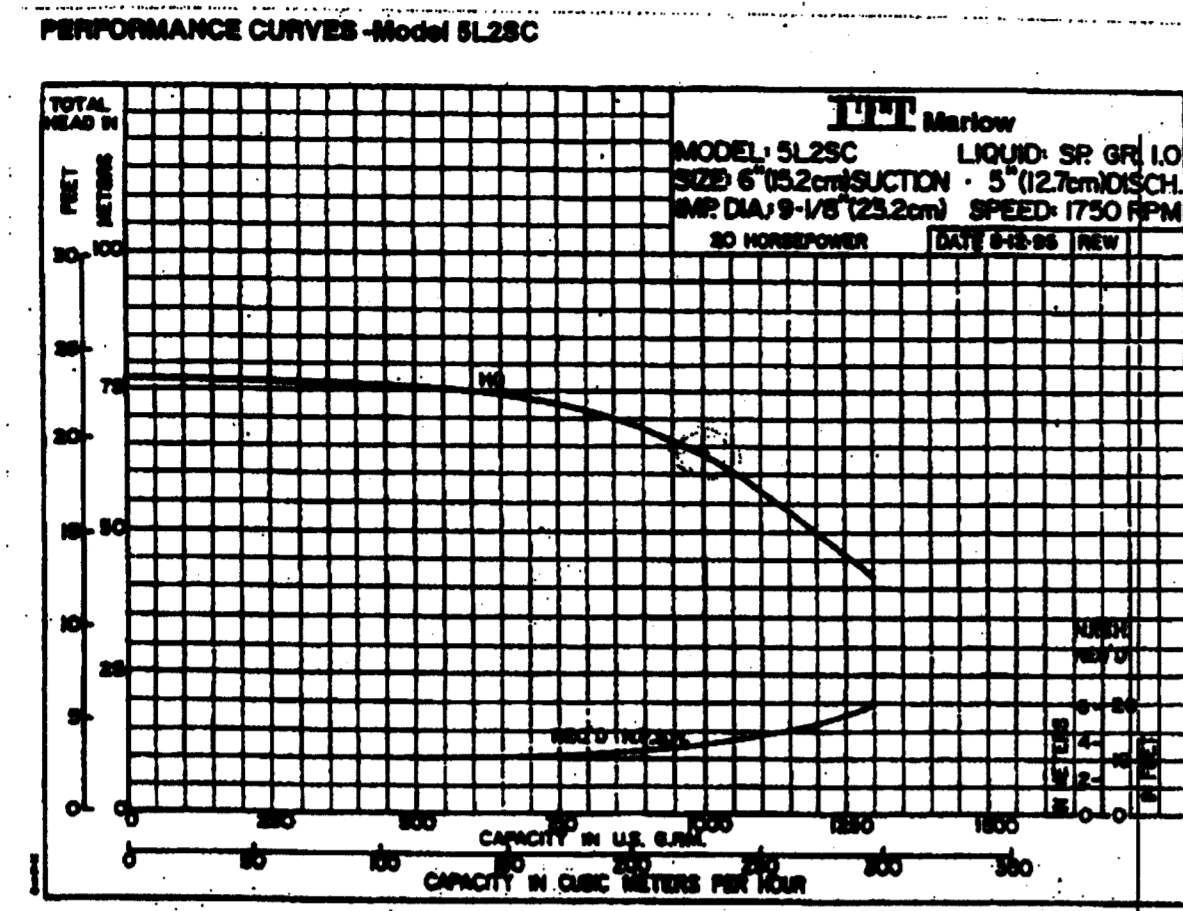
A1 DEPTH MONUMENT DETAILS



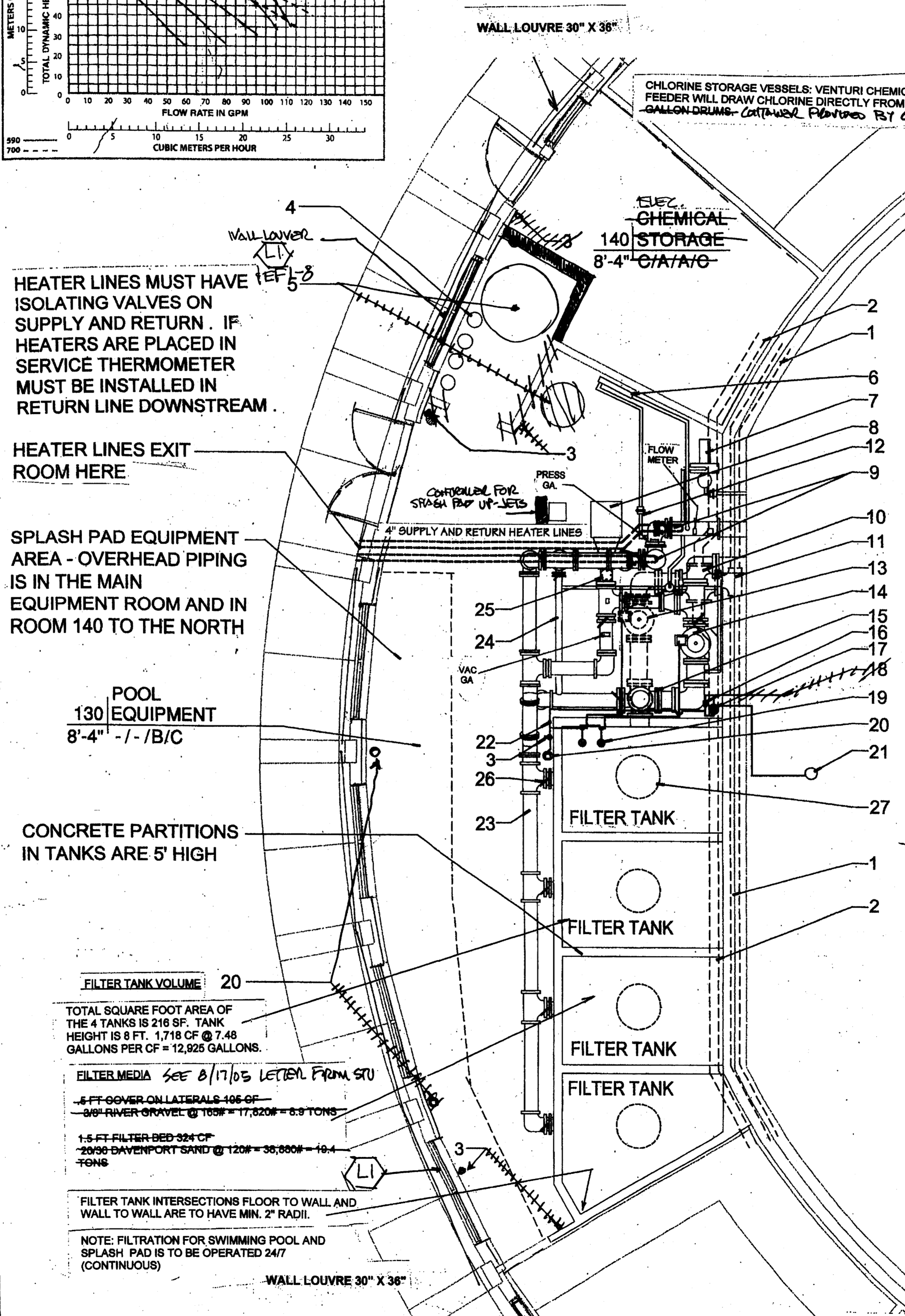
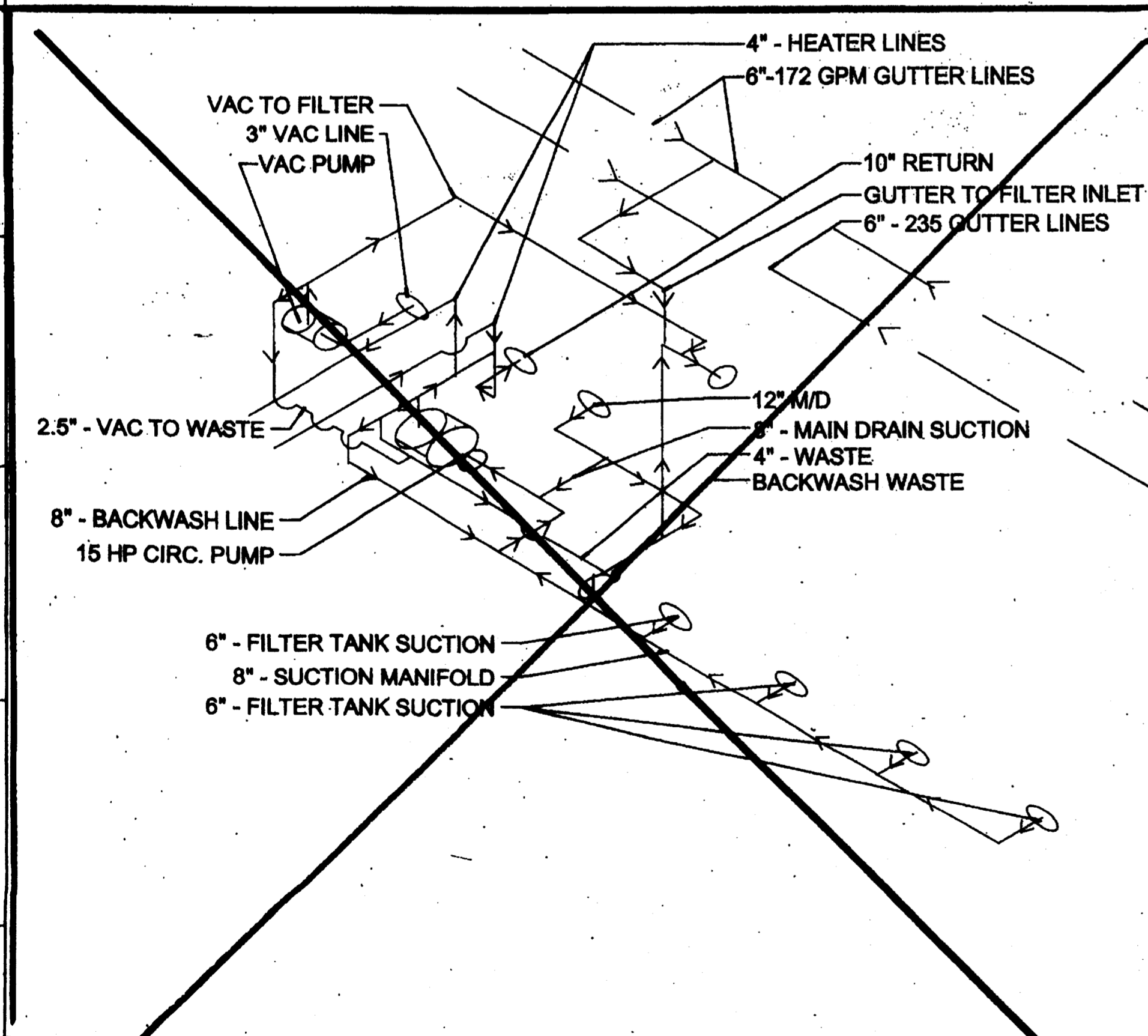
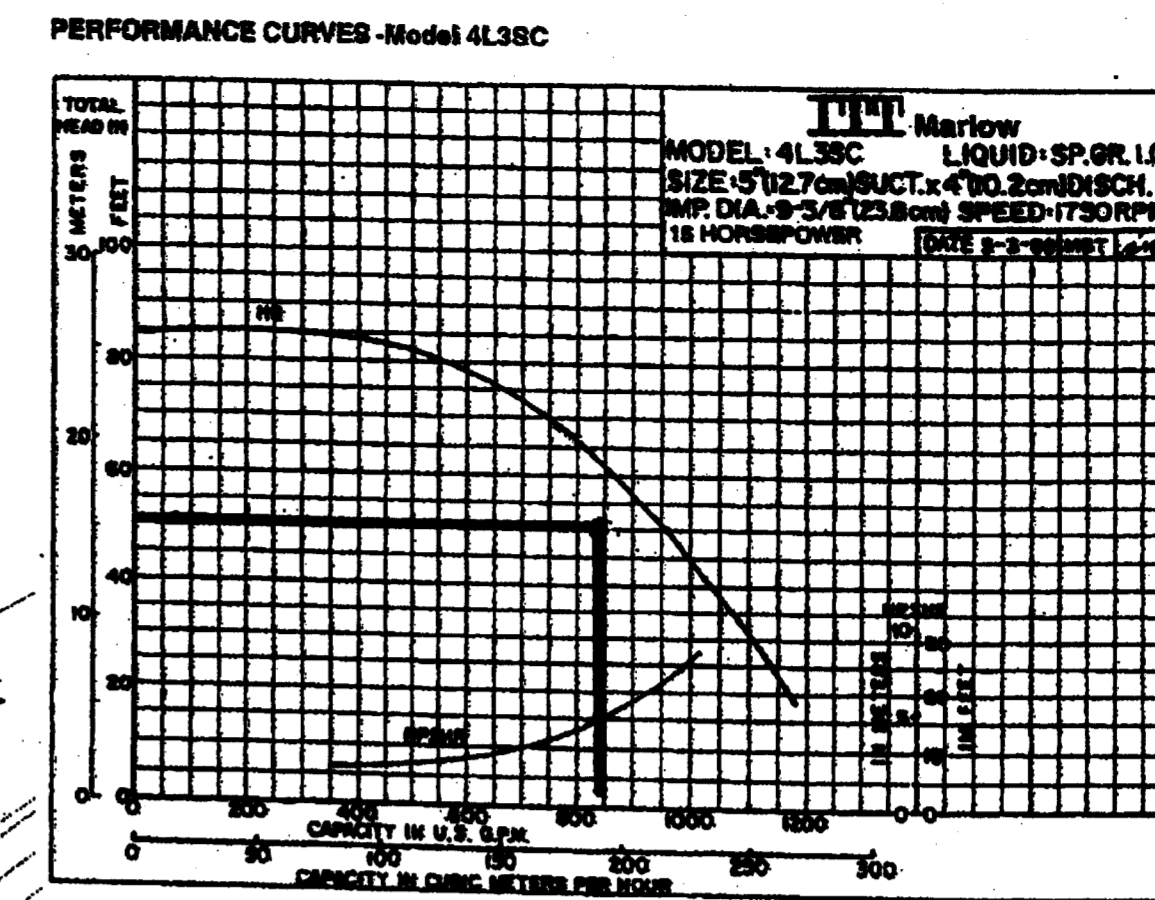
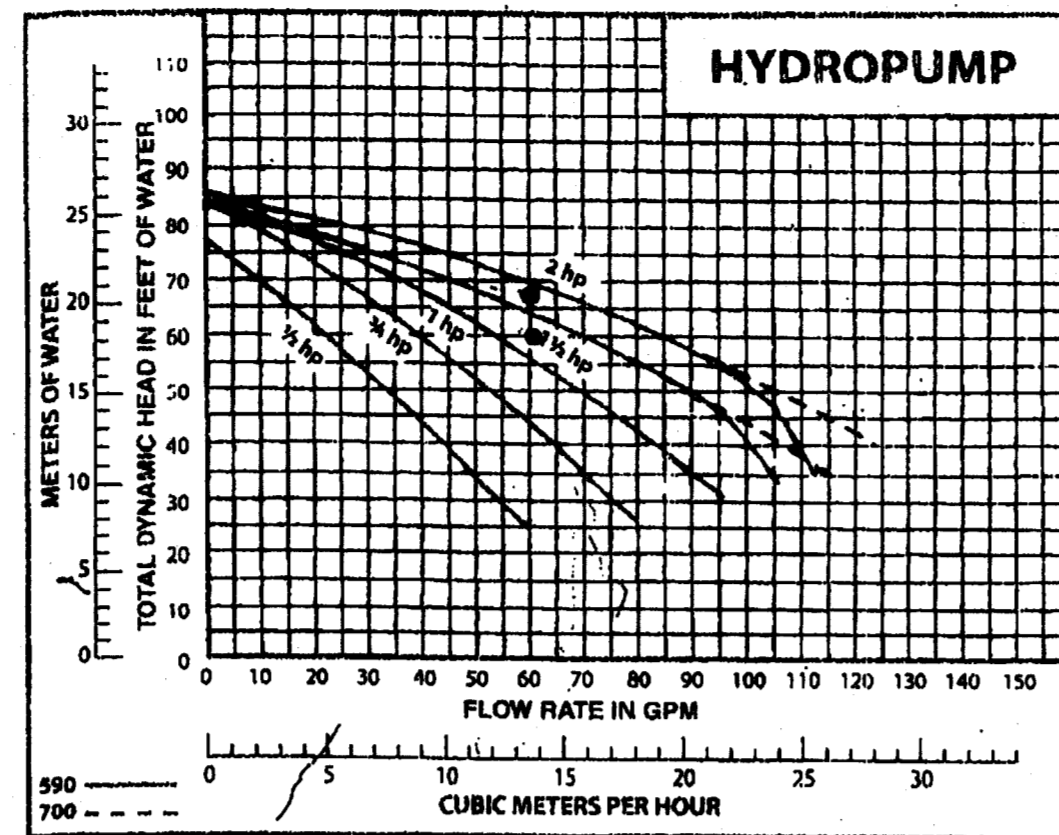
NO SCALE



NO SCALE



FLOW RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN, MATERIAL, AND PRICES WITHOUT NOTICE



- LEGEND**
- 6", 172gpm GUTTER LINE
 - 6", 235gpm GUTTER LINE
 - 3/4" FULL BORE HOSE BIBB
 - CO2 TANKS (ALTERNATE STORAGE)
 - CL2 IN-USE TANK
 - CHEMICAL MONITOR/FEEDER CONTROL
 - 2 HP VACUUM PUMP
 - 15 HP CIRC PUMP
 - HEATER LINE
 - 12" MAIN DRAIN LINE
 - 8" COLLECTOR FOR 172gpm LINES
 - 1.5" CHEMICAL FEED LINE
 - GUTTER MODULATING VALVE
 - MAIN DRAIN MODULATING VALVE
 - MAIN DRAIN/GUTTER COLLECTOR TO FILTER
 - 1" MANUAL WATER MAKE-UP VALVE
 - 1" AUTO MAKE-UP VALVE
 - DECK SET MAKE-UP JET
 - 1/2" MODULATING VALVE CONTROLS
 - 1.5" POTABLE WATER CONNECTION
 - MAKE-UP WATER SENSOR, DECK SET
 - 1' MANUAL SHUT-OFF FOR MAKE-UP
 - 8" SUCTION MANIFOLD
 - 4" PUMP TO WASTE LINE
 - 8" HAIR AND LINT STRAINER
 - 6" FILTER TANK ISOLATION VALVE (TYP)
 - FILTER TANK ACCESS (DECK LEVEL)

HEATER LINES MUST HAVE ISOLATING VALVES ON SUPPLY AND RETURN. IF HEATERS ARE PLACED IN SERVICE THERMOMETER MUST BE INSTALLED IN RETURN LINE DOWNSTREAM.

HEATER LINES EXIT ROOM HERE

SPLASH PAD EQUIPMENT AREA - OVERHEAD PIPING IS IN THE MAIN EQUIPMENT ROOM AND IN ROOM 140 TO THE NORTH

POOL EQUIPMENT 130 8'-4" - / - /B/C

CONCRETE PARTITIONS IN TANKS ARE 5' HIGH

FILTER TANK VOLUME 20

TOTAL SQUARE FOOT AREA OF THE 4 TANKS IS 216 SF. TANK HEIGHT IS 8 FT. 1,718 CF @ 7.48 GALLONS PER CF = 12,925 GALLONS.

FILTER MEDIA SEE 8/17/05 LETTER FROM STU

4 FT COVER ON LATERALS 406 CF
3/4" RIVER GRAVEL @ 165# = 17,820# = 8.9 TONS

1.5 FT FILTER BED 324 CF
20/50 DAVENPORT SAND @ 120# = 38,880# = 19.4 TONS

FILTER TANK INTERSECTIONS FLOOR TO WALL AND WALL TO WALL ARE TO HAVE MIN. 2" RADII.

NOTE: FILTRATION FOR SWIMMING POOL AND SPLASH PAD IS TO BE OPERATED 24/7 (CONTINUOUS)

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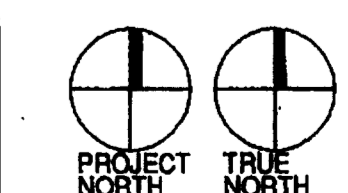
CUSCADEN POOL RENOVATION

CITY OF TAMPA
306 East Jackson Street
Tampa, Florida, 33602

Project No.	0202.00
Distribution	Date
50% Contract Documents	03.31.03
Contract Documents	04.25.03
90% Contract Documents	09.05.03

ENLARGED POOL EQUIPMENT ROOM PLANS
SCALE 1/4" = 1'-0"

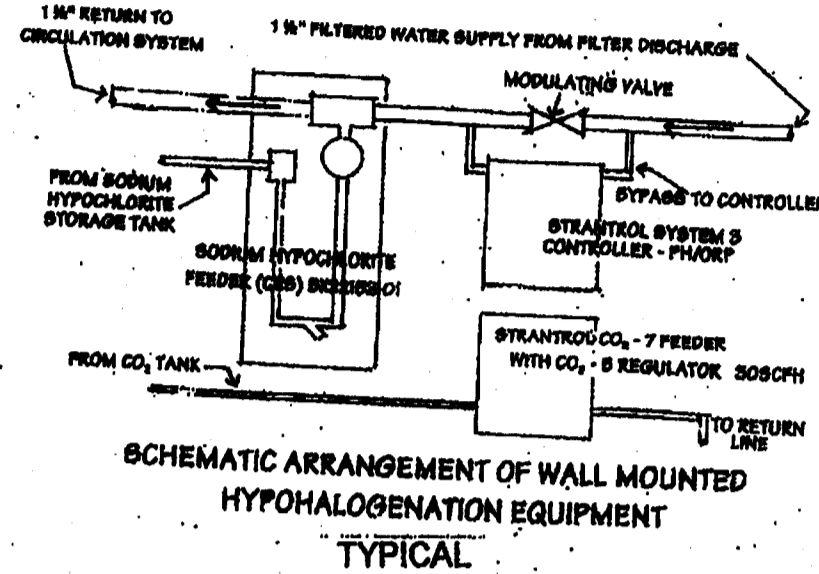
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DATE 8/26/05



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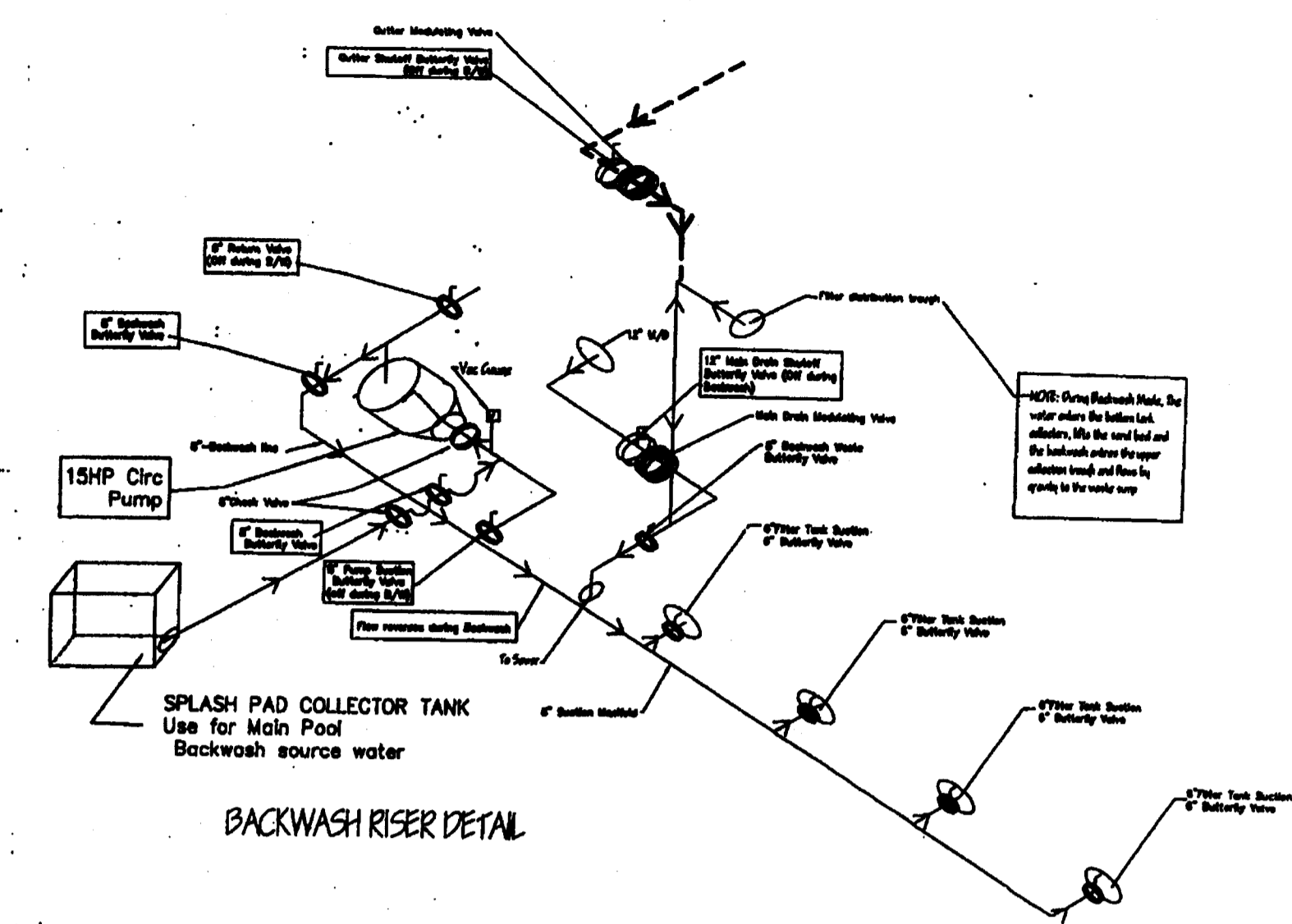


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VELOCITY IN SPLASH PAD PLUMBING MUST NOT EXCEED 20 FPS.

BACKWASHING PROCEDURE: BACKWASHING WILL BE DONE WHEN THE FACILITY IS CLOSED. WATER FOR BACKWASHING THE FILTERS WILL BE DRAWN FROM THE 2000 GALLON COLLECTOR TANK SERVING THE SPLASH PAD FILTERING SYSTEM. BACKWASH RATE IS 809 GPM AND BACKWASH TIME IS MAXIMUM TWO MINUTES. AFTER BACKWASHING IS COMPLETE THE POOL AND SPLASH PAD MAY BE PLACED BACK IN OPERATION AND THE AUTOMATIC WATER MAKE-UP DEVICE IN THE SPLASH PAD COLLECTOR TANK WILL REPLENISH THE WATER DRAWN OUT FOR BACKWASHING THE SAND FILTERS.



ALL ELECTRICAL WORK SHALL COMPLY WITH NFPA 70 NATIONAL CODE 1996 EDITION

NOTE FEATURE PIPING TO BE SUSPENDED FROM THE EQUIPMENT ROOM CEILING WITH HOT DIPPER ADJUSTABLE HANGARS AS FOLLOWS:
 1 1/2" PVC 40 PIPE TO BE SUPPORTED AT 3 FEET O.C.
 2" AND 3" PIPE TO BE SUPPORTED AT 6' O.C.
 4" AND 5" PIPE TO BE SUPPORTED AT 8' O.C.

● DENOTES CEILING PENETRATIONS TO SPLASH PAD

ELECTRICAL NOTE:
 3 EA. 15 HP PUMPS
 3 PHASE 240 VOLTS
 ALL OTHER PUMPS
 2 HP DOWN SINGLE
 PHASE 208/230 VOLTS

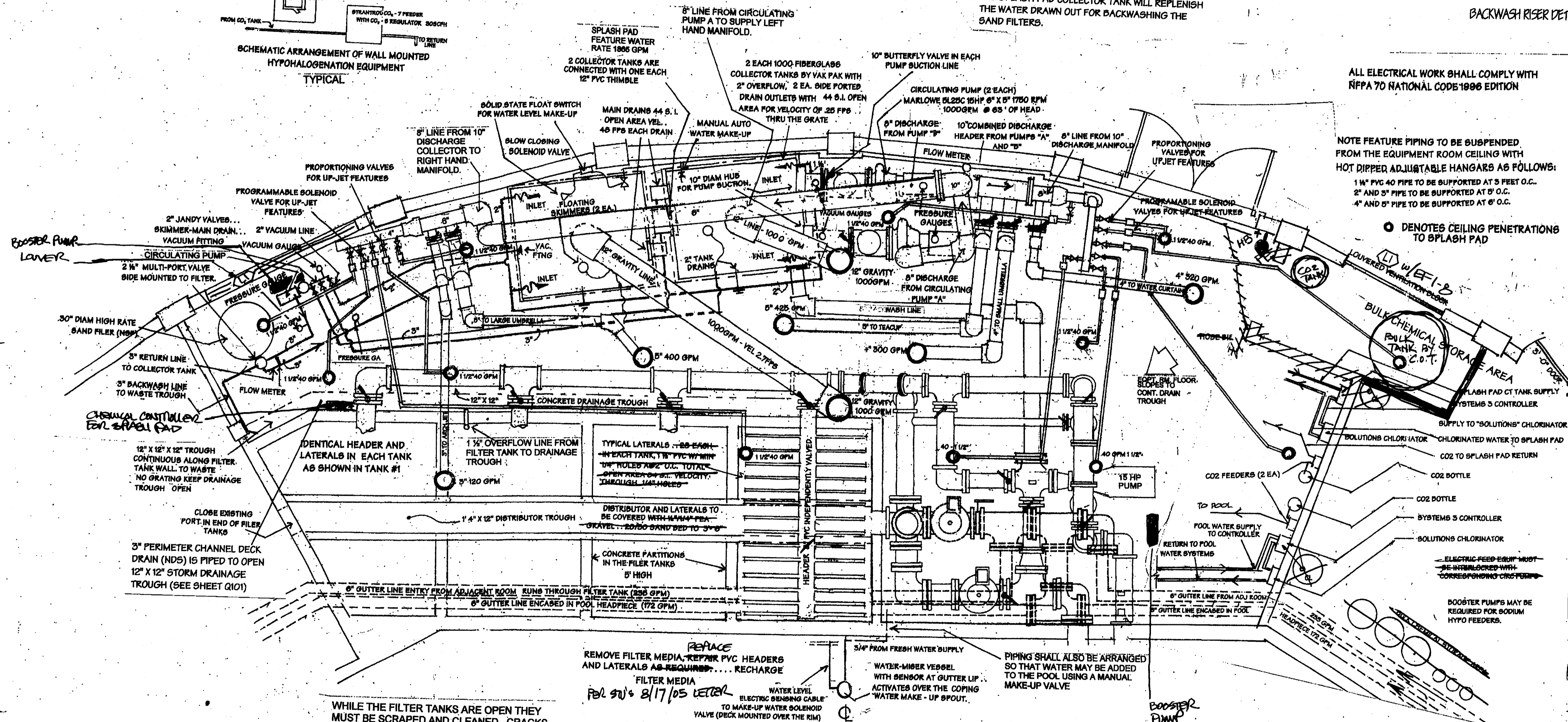
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NON-HAMMERSHED VALVES TO BE INSTALLED ON THE DISCHARGE SIDE OF BOTH FEATURE PUMPS
 ALL FLANGES TO HAVE STAINLESS STEEL BOLTS
 VACUUM GAUGES TO BE INSTALLED ON THE SUCTION SIDE OF EACH PUMP. PRESSURE GAUGES ON DISCHARGE SIDE OF PUMP
 SPLASH PAD C.T. TANKS AND POOL FILTER TANKS MUST HAVE 2" MINIMUM COVE AT ALL INSIDE CORNERS.

FILTER RATE THROUGH HI-RATE SAND SPLASH PAD FILTER IS 13.7 GPM PER SQUARE FOOT OF FILTER AREA. FILTER RATE THROUGH VACUUM SAND FILTER IS 3.75 GPM PER SQ. FOOT OF FILTER AREA.

PRESSURE SAND FILTER TO HAVE AUTOMATIC AIR RELIEF VALVE
 VACUUM AND CIRC PUMPS TO BE EQUIPPED WITH VACUUM GAUGES (0-30") AND PRESSURE GAUGES (0-60#)

AUTOMATIC WATER MAKE-UP ON POOL IS REGULATED BY A "WATER MISER" TANK MOUNTED IN DECK AT POOL SIDE WHICH WILL ACTIVATE AN OVER-THE-COPING WATER MAKE-UP SPOUT.



WHILE THE FILTER TANKS ARE OPEN THEY MUST BE SCRAPED AND CLEANED. CRACKS AND FISSURES ARE TO BE REPAIRED WITH VULKEM SEALANT #116. ANY VOIDS IN THE POURED CONCRETE WALLS AND FLOOR ARE TO BE PATCHED WITH HYDRAULIC CEMENT.

REPLACE REMOVE FILTER MEDIA, REPAIR PVC HEADERS AND LATERALS AS REQUIRED. RECHARGE FILTER MEDIA. FEB 90's 8/17/05 LETTER
 WATER LEVEL ELECTRIC SENSING CABLE TO MAKE-UP WATER SOLENOID VALVE (DECK MOUNTED OVER THE RIM)

PIPING SHALL ALSO BE ARRANGED SO THAT WATER MAY BE ADDED TO THE POOL USING A MANUAL MAKE-UP VALVE
 WATER MISER VESSEL WITH SENSOR AT GUTTER LIP ACTIVATES OVER-THE-COPING WATER MAKE-UP SPOUT.

PLUMBING LAYOUT FOR SPLASH PAD

SCALE 3/8" = 1'-0"

SEE SHEET 1 FOR POOL SYSTEM OPERATION NARRATIVE

ALL EQUIPMENT ROOM DRAINAGE SLOPES TO 12" X 12" OPEN DRAINAGE TROUGH 30' LONG.

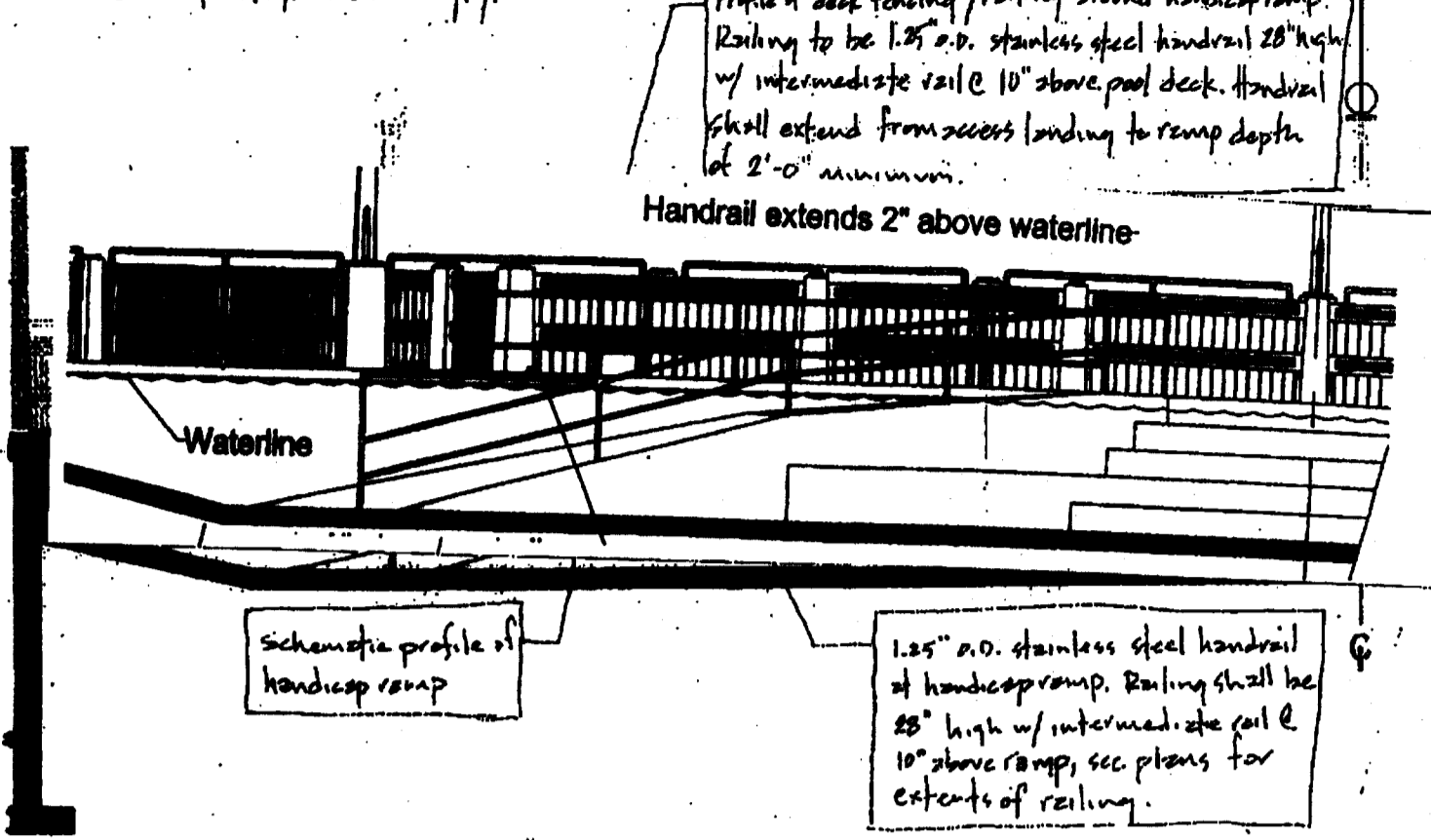
EQUIPMENT SHALL BE INSTALLED SO THAT CLEARANCE SHALL BE PROVIDED FOR ALL EQUIPMENT AS PRESCRIBED BY THE MANUFACTURER TO ALLOW NORMAL MAINTENANCE AND REMOVAL WITHOUT DISTURBING OTHER PIPING OR EQUIPMENT.

EQUIPMENT ROOM PIPING FOR POOL AND SPLASH PAD

RECORD DWG.
 DATE 8/26/05

SHEET Q702
 APPROVED
 HILLSBOROUGH COUNTY HEALTH DEPARTMENT

For response to item #28 and #29. In regards to item #22 - railing in the code indicates railing must be 2' above water level. We do not want to change the design unless the code requires it. If the code requires, we ask that the health dept. provide reference so we may design accordingly.

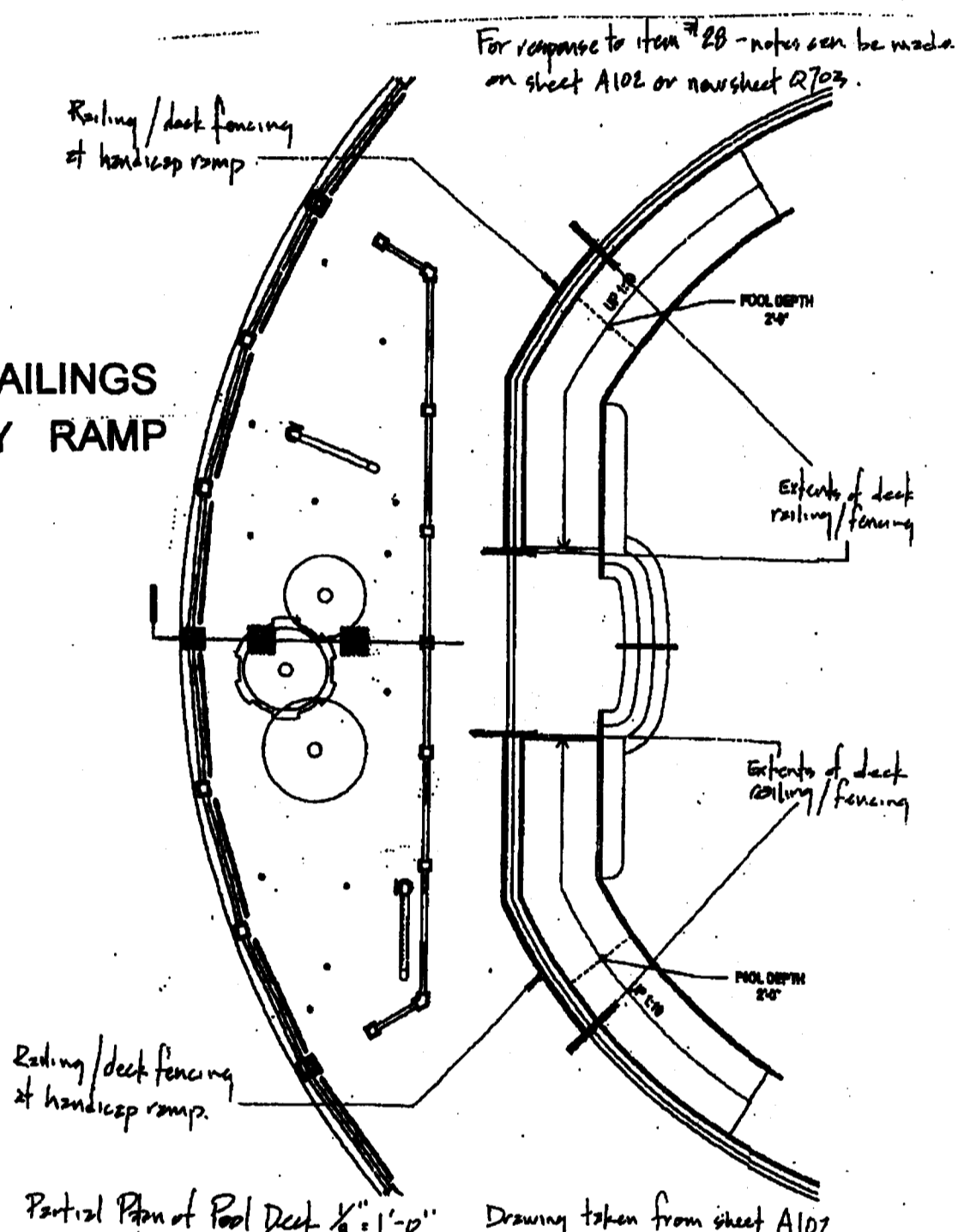


Partial Pool Section 1/4" = 1'-0"

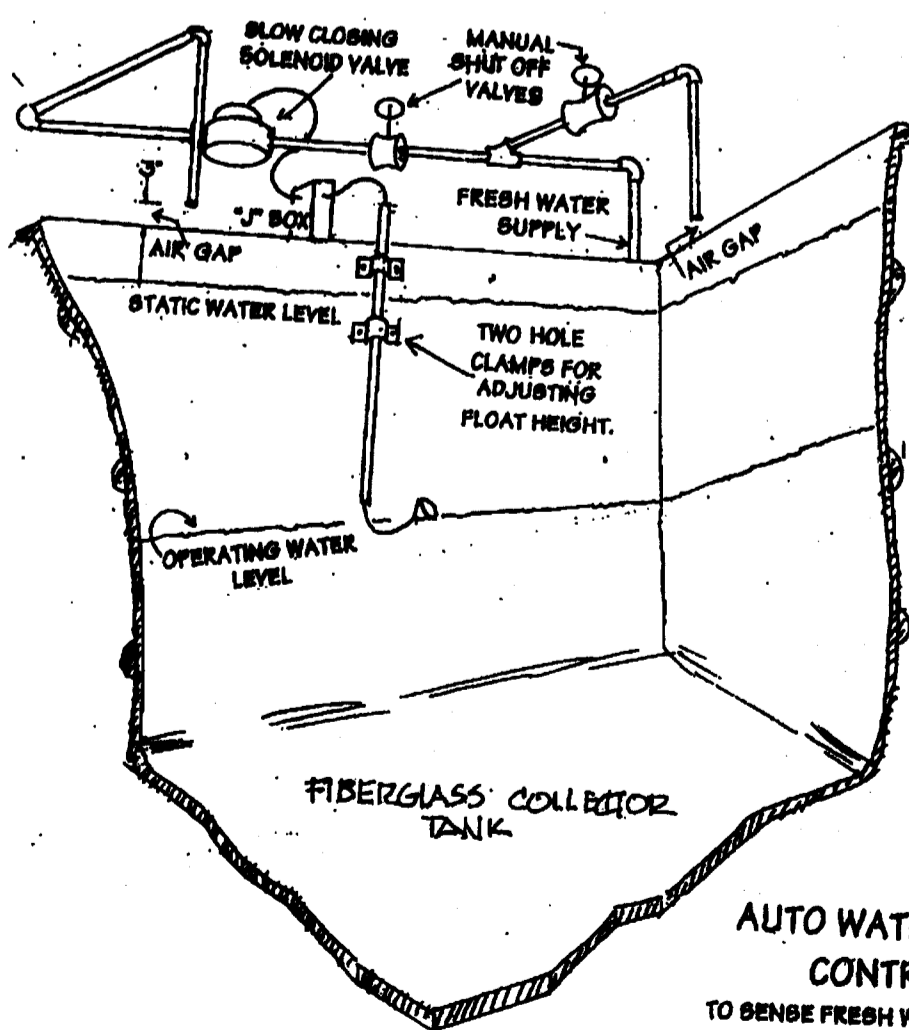
Profile of deck facing/railing around handicap ramp. Railing to be 1.5" o.d. stainless steel handrail 28" high w/ intermediate rail @ 10" above pool deck. Handrail shall extend from access landing to ramp depth of 2'-0" minimum.

1.5" o.d. stainless steel handrail of handicap ramp. Railing shall be 28" high w/ intermediate rail @ 10" above ramp, see plans for extent of railing.

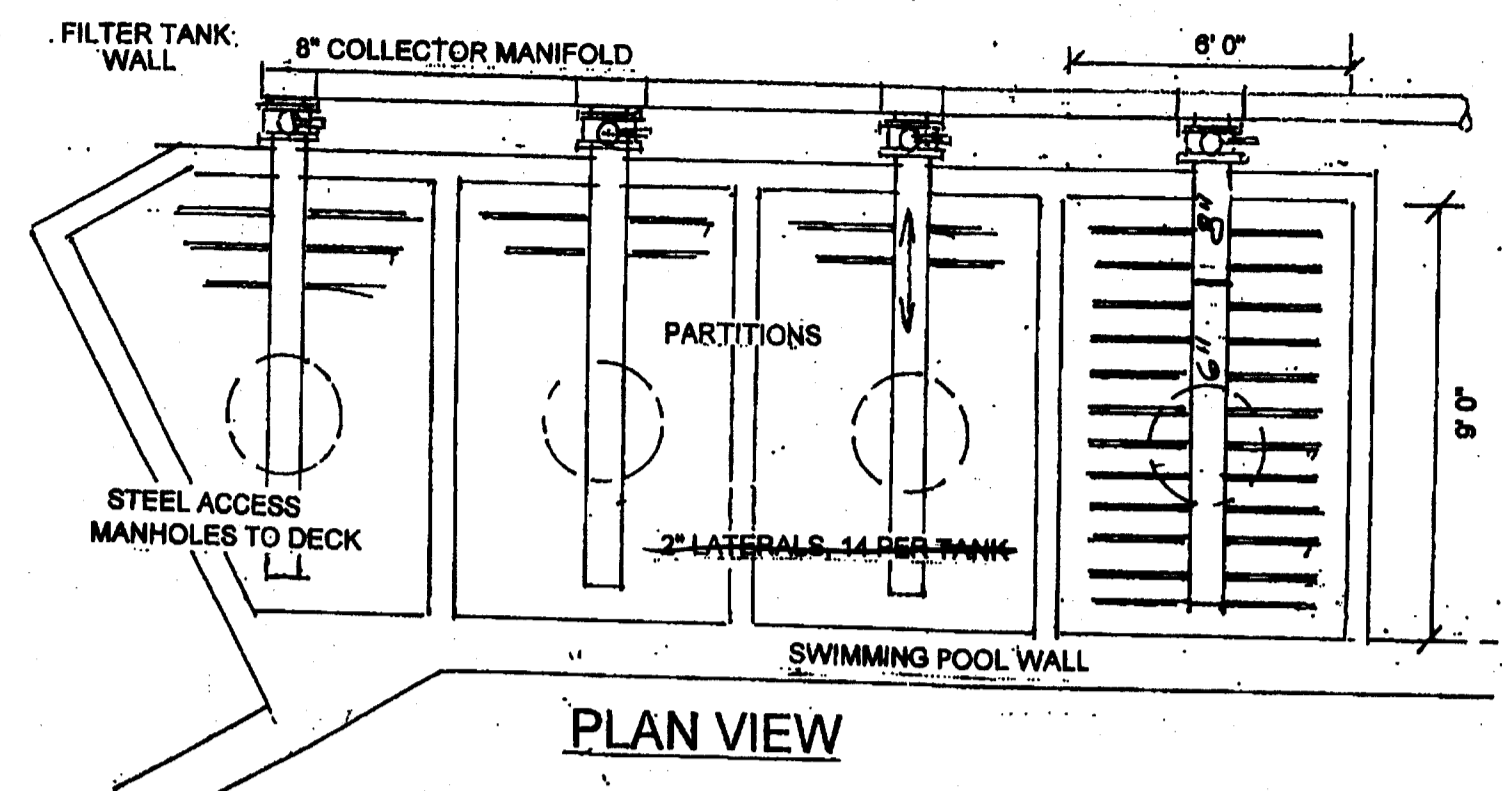
SAFETY RAILINGS ON ENTRY RAMP



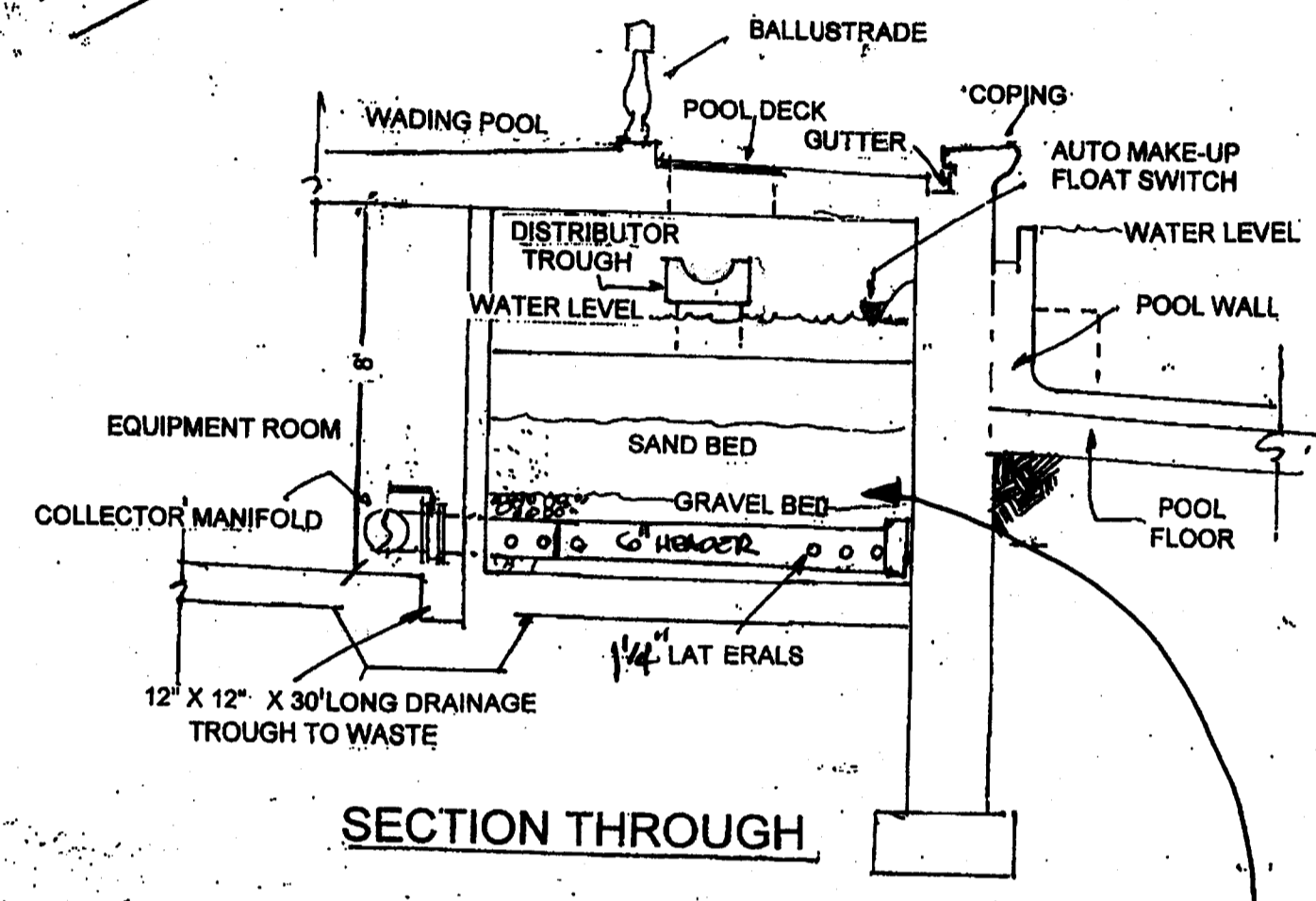
Partial Plan of Pool Deck 1/4" = 1'-0" Drawing taken from sheet A102



AUTO WATER LEVEL CONTROL TO SERVE FRESH WATER DEMAND IN THE COLLECTOR TANK NTS



PLAN VIEW

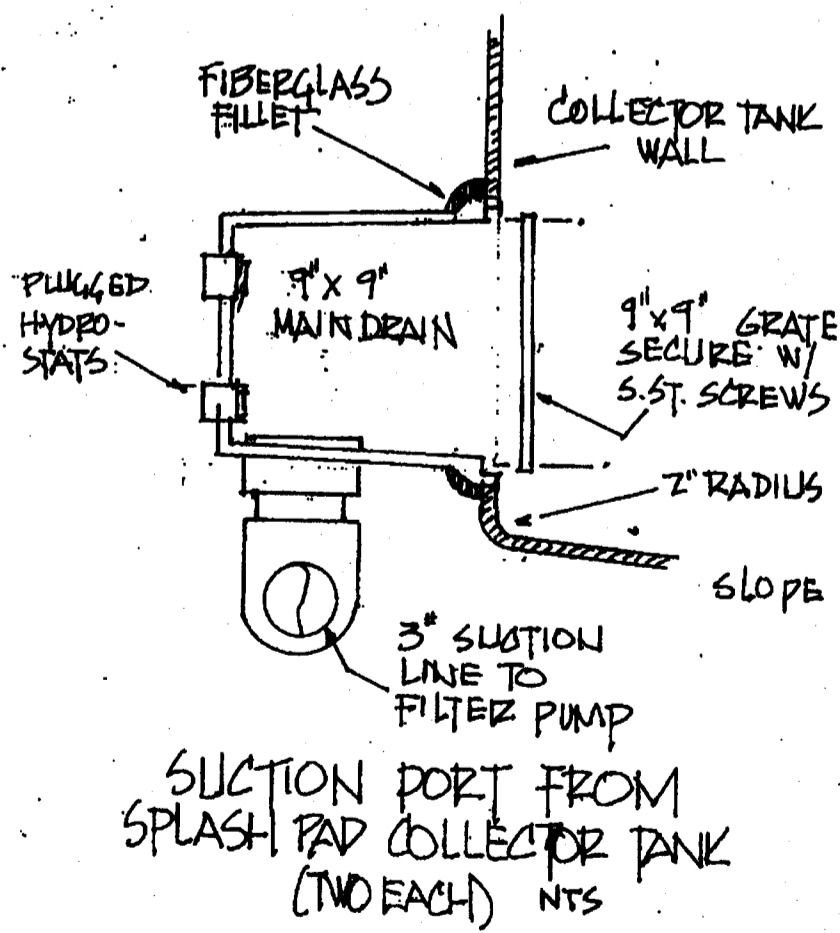


SECTION THROUGH

FILTER DETAILS

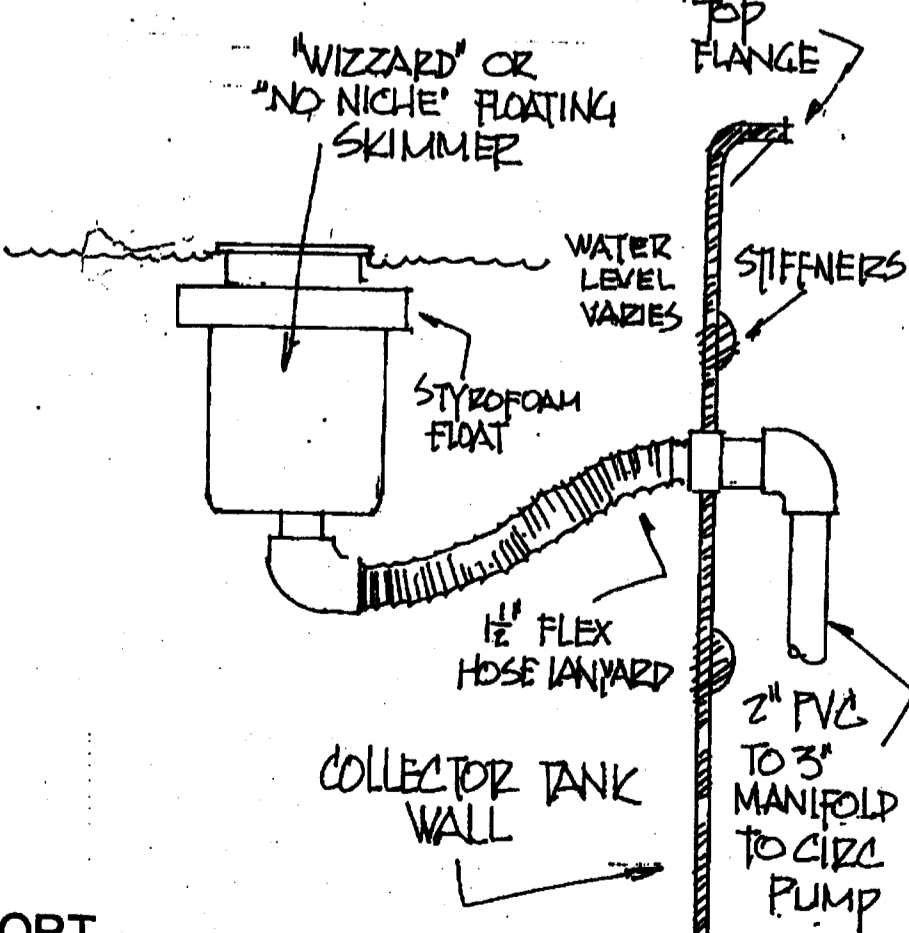
SCALE 1/4" = 1'-0" SCOPE OF WORK:

- REMOVE GRAVEL.** Remove media and manifolds with laterals. Clean the tank.
- FURNISH AND INSTALL.** 4 ea. New 6" schedule 80 manifolds prox 8' 6" long. Cap one end and install 8" x 6" reducer on the other end. Connect to existing timbles through the filter tank walls. Prepare for laterals. (See later)
- INSTALL SUPPORTS** for each manifold so that they will withstand foot traffic and abuse from placing gravel bed.
- FURNISH AND INSTALL** prox 96 new 1 1/4" schedule 80 laterals. Drill 1/4" holes on prod 2" O.S. Cap one end. Install female adapters on the opposite end.
- Drill the 6" leaders as originally planned, 14 each threaded holes, two rows opposite each other to receive the 1 1/4" laterals.
- INSTALL MANIFOLDS AND LATERALS.** Place supports under each lateral to prevent damage while charging the filters and installing the gravel underdrain.
- Charge the filters.**
 - Course:** Replace the large rock which was removed from the tanks. This must give minimum 8" cover over the new laterals. Bring to level.
 - Intermediate:** Install 4" layer of 3/8" pea gravel over course bed. Bring to level. (Prox 2 3/4 yds.)
 - Final:** Install 4" layer of 3/16" rock and bring to level. (Prox 2 3/4 yds.)
 - Sand bed:** Install standard filter sand to bring sand portion of the filter bed to 18" in depth. (Prox 12 1/2 yds)
- WET THE FILTER BED,** then carefully backwash the system, all tanks simultaneously, while visually monitoring the backwash through the access manholes in the deck.

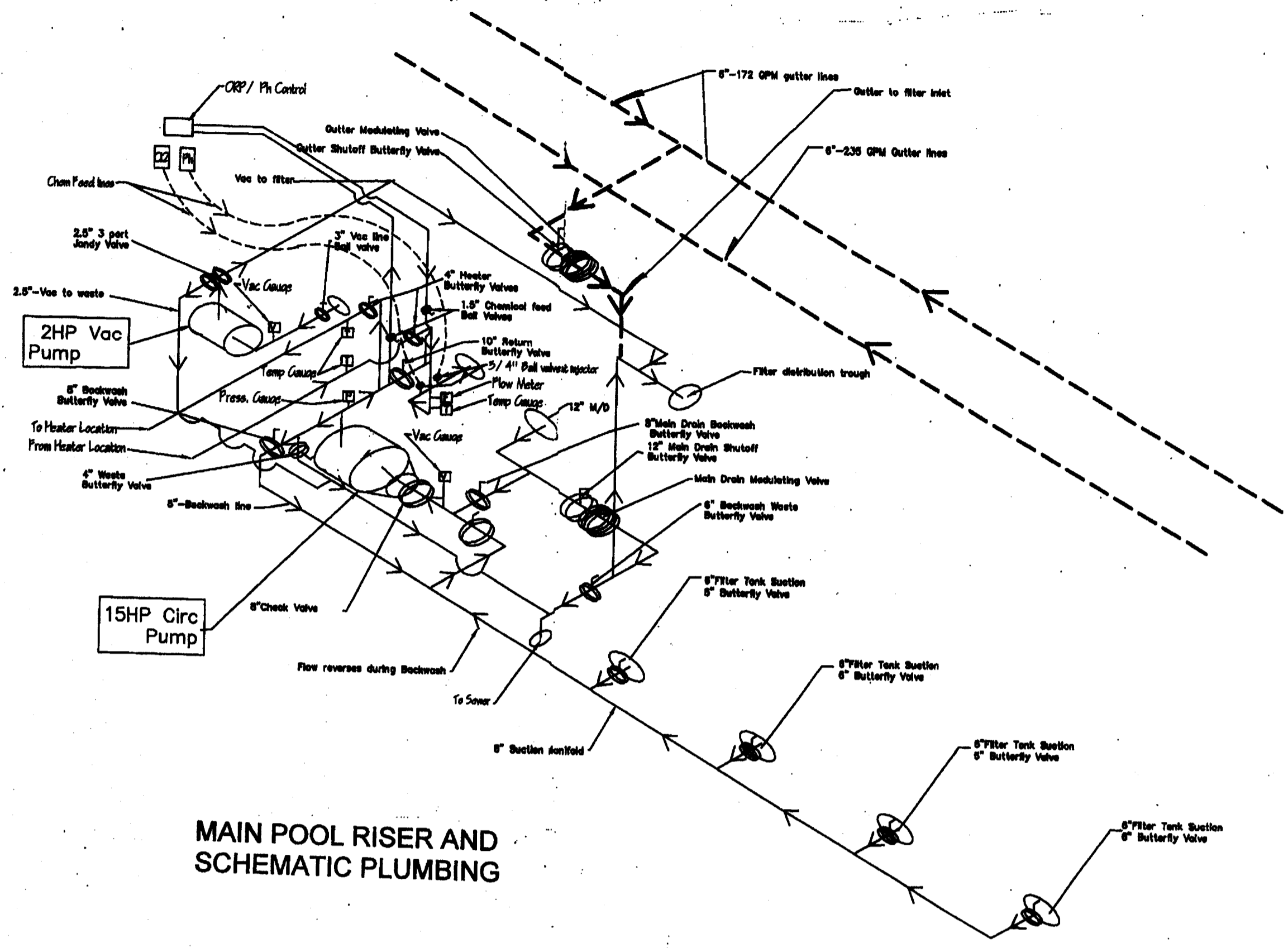


SUCTION PORT FROM SPLASH PAD COLLECTOR TANK (TWO EACH) NTS

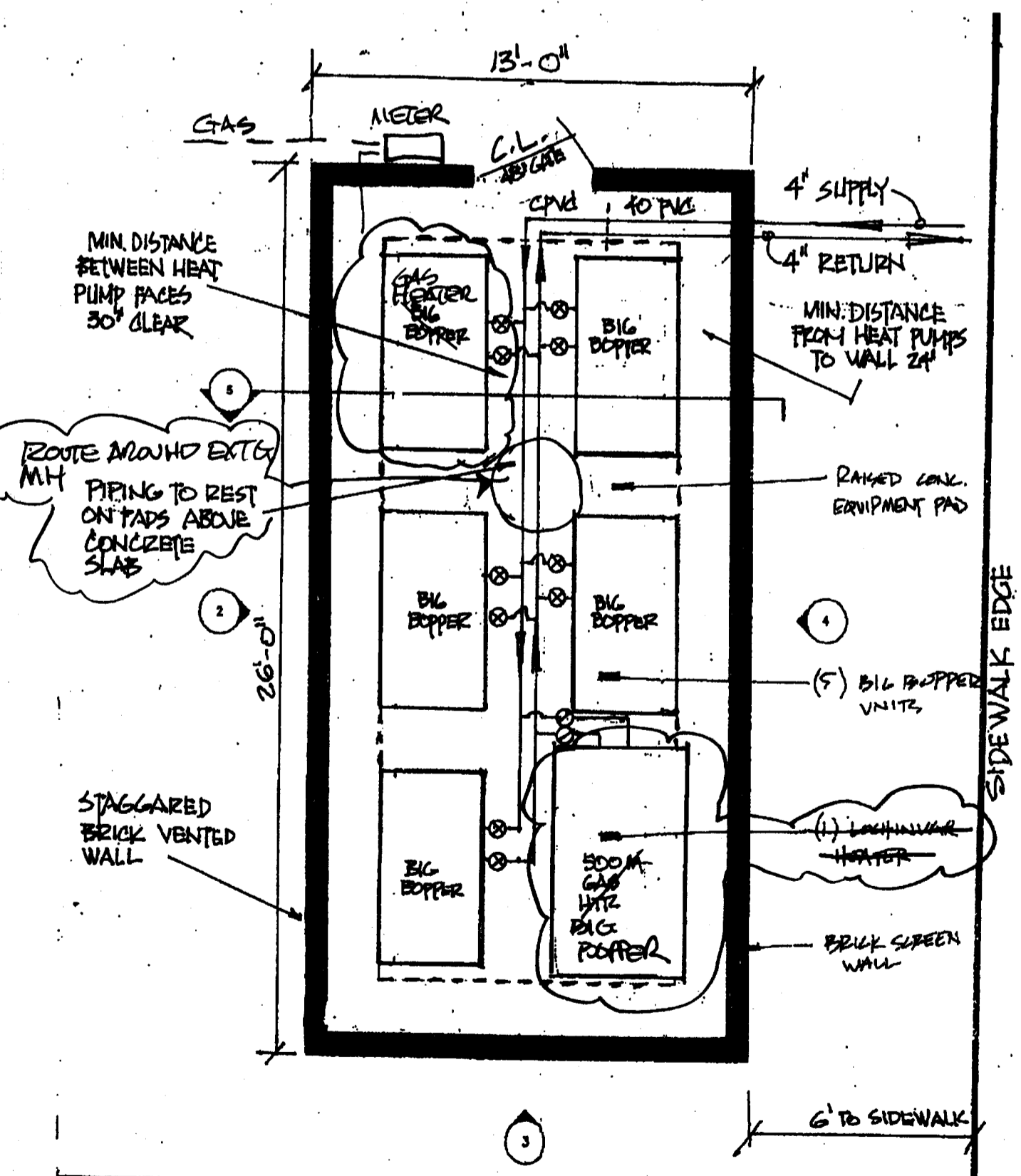
SKIMMER AND AND SIDE PORT FOR COLLECTOR TANK



FLOATING SKIMMER IN SPLASH PAD COLLECTOR TANK NTS



MAIN POOL RISER AND SCHEMATIC PLUMBING



G1 HEATER FLOOR PLAN
1/4" = 1'-0"

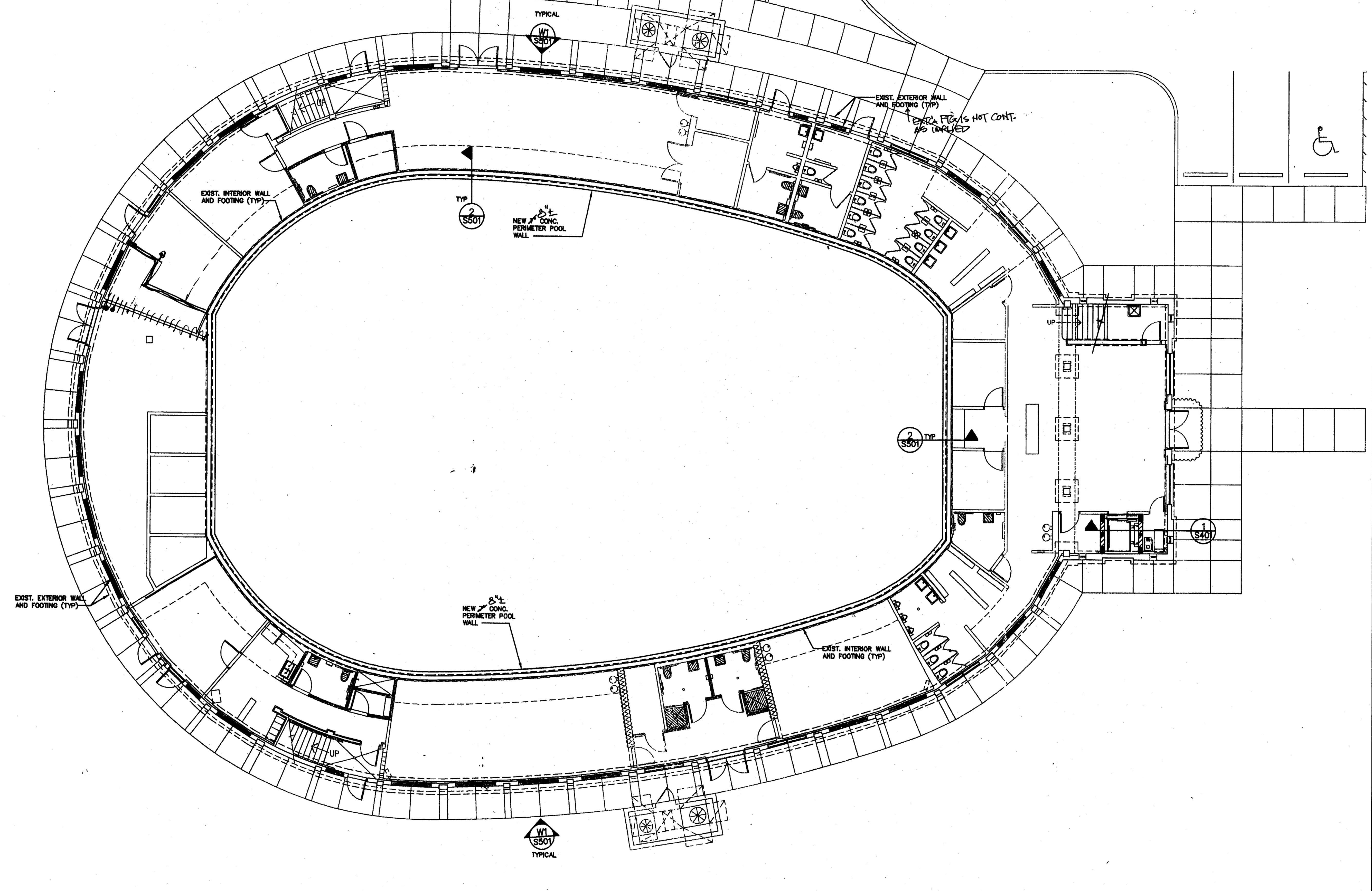
RECORD DWG.
DATE 8/26/05

Silcox Engineering, Inc. Civil Engineering
ERNEST S. SILCOX P.E. #0008161
Post Office Box 8374
Tampa, FL 33674 813920-9192

APPROVED
HILLSBOROUGH COUNTY HEALTH DEPARTMENT

SHEET Q 703

217
007



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

JAMES R. MEHLTRETTER, P.E.
 FL. LIC. No. 33860

MASTER CONSULTING ENGINEERS, INC.
 2807 W. BAY TO BAY BOULEVARD, #201
 TAMPA, FLORIDA 33629-8181
 813.896.4886 FAX 813.896.8228
 MCE@mcengineers.com
 EB: 8428 PROJ. NO.

CUSCADEN POOL RENOVATION

CITY OF TAMPA
 306 East Jackson Street
 Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
Bld Documents	02.02.04

FOUNDATION PLAN
RECORD DWG.

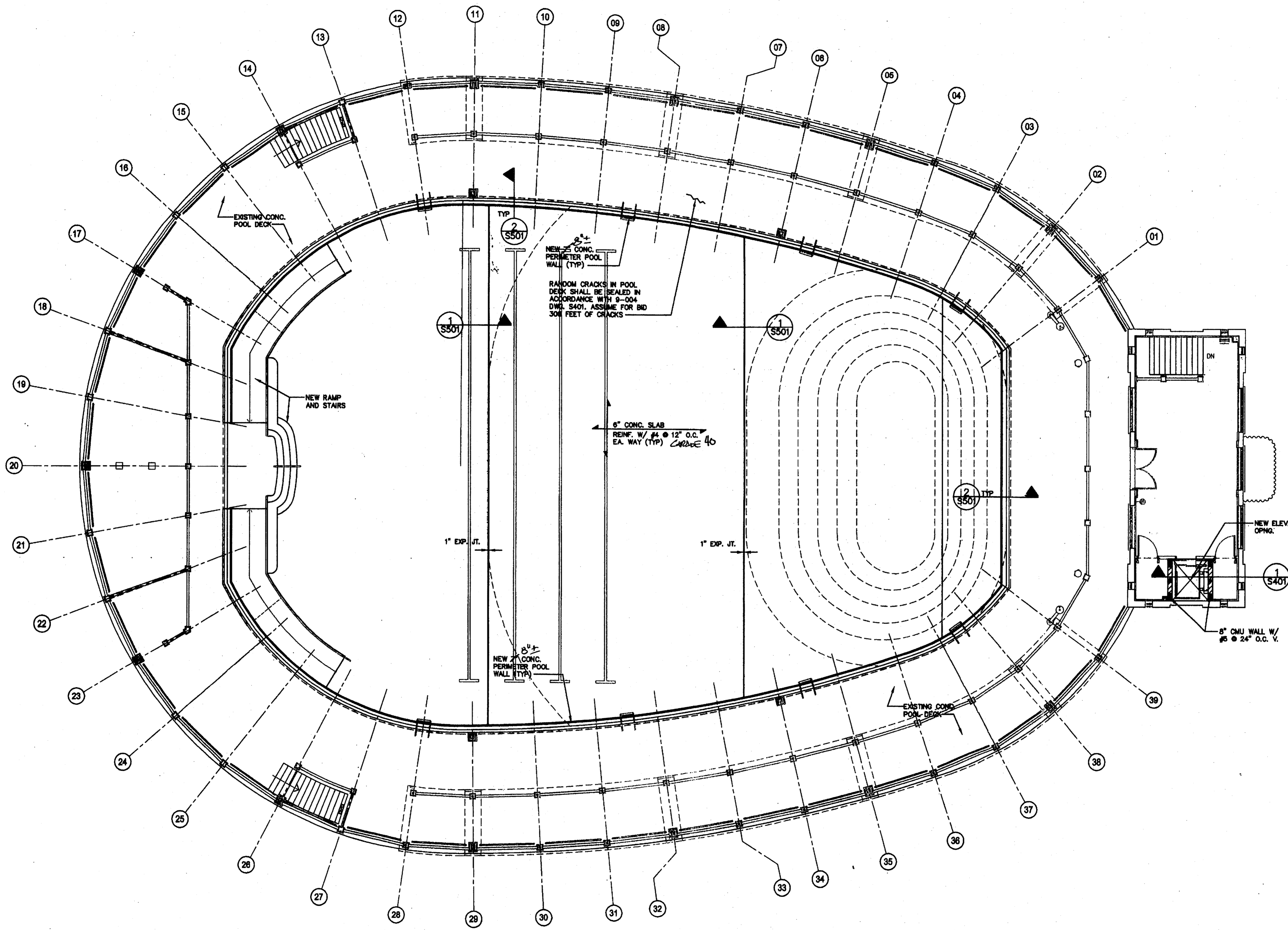
DATE 8/26/05

0 4 8 16 FT

S101

RECEIVED
 FEB 23 2004
 CON. TECH. GROUP, INC.

217
 009



TOP DECK PLAN
 SCALE: 1/8"=1'-0"

JAMES R. MEHLTRETTER, P.E.
 FL. LIC. No. 33860

Signature _____ Date _____

MASTER CONSULTING ENGINEERS, INC.
 2907 W. BAY TO BAY BOULEVARD, #201
 TAMPA, FLORIDA 33629-9191
 813.836.4096 FAX 813.836.8226
 MOE@moengineers.com
 EB: 8486 PROJ. NO. _____

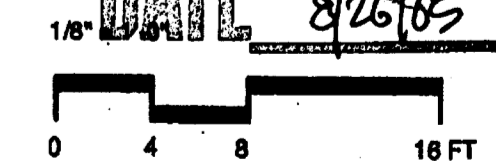


CUSCADEN POOL RENOVATION

CITY OF TAMPA
 306 East Jackson Street
 Tampa, Florida 33602

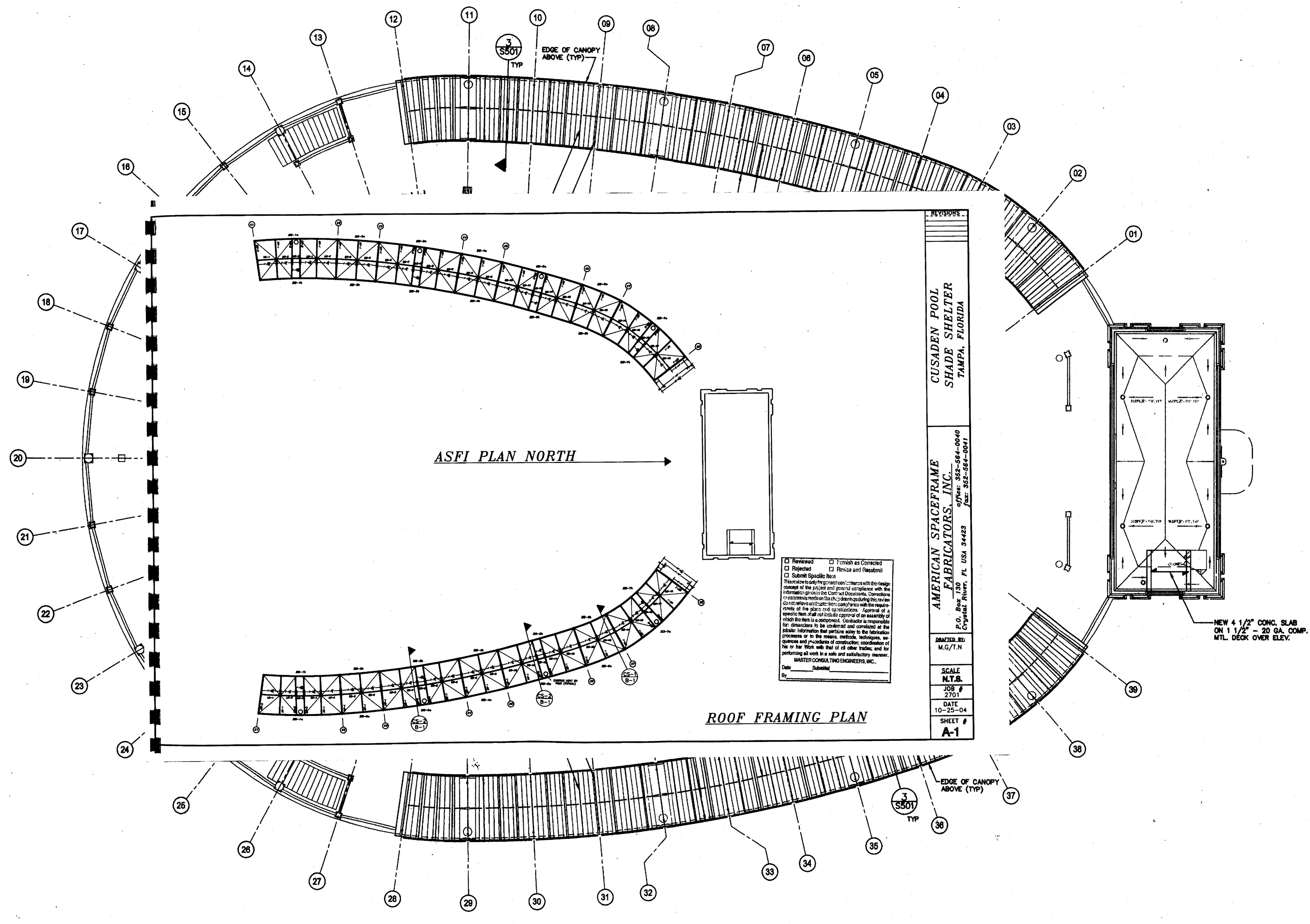
Project No.	0202.00
Distribution	Date
Bld Documents	02.02.04

TOP DECK PLAN
RECORD DWG.
 DATE 8/26/05



RECEIVED
 FEB 23 2004
S201

217/009



Reviewed Revised as Constructed
 Rejected Revised and Resubmit
 Submit Specific Note
 This review is only for general compliance with the design concept of the project and general compliance with the information provided in the Contract Documents. Construction or occupancy inspections shall be conducted by the reviewer or other qualified personnel. Approval of a specific item shall not constitute approval of the assembly of which this item is a component. Contractor is responsible for dimensions to be confirmed and controlled at the job site. Information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of the work with that of all other trades; and for the performance of all work in a safe and satisfactory manner. MASTER CONSULTING ENGINEERS, INC.
 Date: _____
 By: _____

AMERICAN SPACEFRAME FABRICATORS, INC.
 9090 W. Bay to Bay Boulevard
 Cypress Flats, FL USA 34423
 P.O. Box 1000
 Cypress Flats, FL USA 34423
 Phone: 813-864-0040
 Fax: 813-864-0041
 E-MAIL: info@american-spaceframe.com
 Website: www.american-spaceframe.com
 DRAFTER: M.C./T.N.
 SCALE: N.T.S.
 JOB #: 2701
 DATE: 10-25-04
 SHEET #: A-1

ROOF PLAN
 SCALE: 1/8"=1'-0"

JAMES R. MEHLTRETTER, P.E.
 FL LIC. No. 33860
 Signature _____ Date _____

MASTER CONSULTING ENGINEERS, INC.
 2907 W. BAY TO BAY BOULEVARD, #201
 TAMPA, FLORIDA 33609-8181
 813.836.1688 FAX 813.836.8228
 MCE@mceingr.com
 EB: 8426 PROJ. NO. _____

CUSCADEN POOL RENOVATION

CITY OF TAMPA
 306 East Jackson Street
 Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
Bid Documents	02.02.04

TOP DECK PLAN
RECORD DWG.
 DATE 8/26/05
 1/8" = 1'-0"
 0 4 8 16 FT

RECEIVED
 FEB 23 2004
S301
 CONF. ENCL. GROUP INC. 217 009

Project No. 0202.00

Distribution	Date
Bld Documents	02.02.04

RECORD DWG.
DATE 2/26/05

S401

PROJECT NORTH TRUE NORTH

RECEIVED
FEB 23 2004

2/7 009

FOUNDATION NOTES:

- FOUNDATIONS FOR THIS PROJECT HAS BEEN DESIGNED ASSUMING THE SOIL IS SUITABLE TO SUPPORT 2 KIP SPREAD FOOTINGS. CONTRACTOR MUST VERIFY SOIL CONDITIONS AND BEARING CAPACITY.
- COMPACT FILL TO 98 % MOIST PROCTOR.
- ALL COLUMN FOOTINGS SHALL BE CENTERED UNDER COLUMN CENTERLINES UNLESS OTHERWISE NOTED.
- BACKFILLING AGAINST FOUNDATION WALLS SHALL BE DONE CAREFULLY WITH SMALL COMPACTOR EQUIPMENT. AFTER SLABS ON GRADE ARE IN PLACE AND CONCRETE HAS SET, NO TRUCKS, BUILDINGZERS, ETC. SHALL BE ALLOWED CLOSER THAN 8'-0" TO ANY FOUNDATION WALL.
- FOOTINGS SHALL BE PLACED ABOVE A VERTICAL CRACK ON 2 HORIZONTAL SLABS EXTENDING TO THE EDGE OF ANY UNDESIGNED SOIL OR OTHER FOUNDATION STRUCTURE. BOTTOM OF FOOTINGS SHALL NOT BE LESS THAN 1'-0" BELOW EXISTING GRADE (U.L.O.).
- CONCRETE SLABS ON GRADE TO BE 8" THICK STONE CONCRETE REINFORCED WITH #4@2' O.C. ON PROPERLY COMPACTED SUBBASE.
- TOP OF FOOTING SHALL BE 1" ON PLAN OR SECTION IS REFERENCE TOP OF FOOTING ELEVATION.
- ELEVATOR PIT DIMENSIONS = VERIFY WITH ELEVATOR MANUFACTURERS' APPROVED SHOP DRAWINGS.
- WATER PROOFING MATERIALS SHALL BE PROVIDED ON ALL SIDES AND BOTTOM OF ELEVATOR.

MASONRY

- DESIGN AND CONSTRUCTION SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-99/ASCE 9-99).
- MINIMUM NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS SHALL BE 1900 PSI (fm = 1900 PSI).
- MORTAR FOR MASONRY SHALL BE TYPE S OR M.
- FOR LOAD BEARING WALLS, ALL BED JOINTS ARE TO COVER 100% OF THE MASONRY SURFACES AND ALL HEAD JOINTS ARE TO COVER 100% OF THE PROJECTED AREA OF THE FACE SHELLS.
- MINIMUM JOINT REINFORCING SHALL BE TYPE S OR M.
- MINIMUM VERTICAL REINFORCING SEE PLAN & SECTION.
- FILL ALL CELLS AS REQUIRED WITH HARDENED WASHERS UNDER THE TOP OF EACH TRUSS TYPE JOINT REINFORCING @ 16".
- PROVIDE ADDITIONAL VERTICAL REINFORCING BAR AT EVERY CORNER, INTERSECTION AND OPENING EDGES. (U.O.A.)
- SIZES OF THE BEAMS AND THE COLUMNS ARE NOMINAL.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL WORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST A.I.S.C. SPECIFICATIONS.
- ALL STRUCTURAL STEEL SHALL BE NEW, CLEAN AND STRAIGHT, AND SHALL CONFORM TO ASTM SPECIFICATIONS A572, Fy = 50/60 KSI, EXCEPT AS NOTED. ALL STEEL TUBES SHALL CONFORM TO ASTM A500, GRADE "B", NOTED Fy = 48 KSI. PLATES AND OTHER SHAPES SHALL CONFORM TO ASTM A36, Fy = 36 KSI.
- ALL HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM SPECIFICATION A325. BOLTS SHALL BE PROVIDED WITH HARDENED WASHERS UNDER THE TURNED ELEMENT (NUT OR BOLT HEAD).
- INSTALLATION AND TIGHTENING OF ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS", TURN OF THE NUT METHOD.
- SHOP CONNECTIONS MAY BE WELDED OR HIGH STRENGTH BOLTED. ALL BOLTS SHALL BE 3/4" DIAMETER MIN. ALL CONNECTIONS SHALL CONFORM TO THE TYPICAL CONNECTION DETAILS SHOWN ON THE PLANS UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.
- ALL FIELD CONNECTIONS SHALL BE WELDED WITH HIGH STRENGTH BOLTS, SLIP-CRITICAL (FRICTION) TYPE.
- ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY (AWS) D1.1 AND GAS WELDING IN BUILDING CONSTRUCTION.
- STEEL CONTRACTOR SHALL PROVIDE STEEL FRAMING AS SHOWN IN TYPICAL DETAILS FOR ALL ROOF OPENINGS OR SUMP PAN OPENINGS OR OTHER.
- CUTS, HOLES, CORNERS, ETC. REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN IN THE STRUCTURAL STEEL SHOP DRAWINGS AND SHALL BE MADE IN THE SHOP. HOLES SHALL BE REINFORCED AS REQUIRED BY THE ENGINEER.
- BURNING OF HOLES, CUTS, ETC. IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED, EXCEPT WITH THE SPECIFIC APPROVAL OF THE ENGINEER.
- NO STRUCTURAL STEEL MEMBER SHALL BE CUT OR OTHERWISE BE SUPPORTED, PROVIDED 3 X 3 X 1/4" THICK MINIMUM BENT PLATES OR ANGLES FOR METAL DECK SUPPORTS (MAY BE FIELD WELDED).
- ALL STEEL MEMBERS EXPOSED TO WEATHER (SUCH AS LANTERNS, DOOR JAMBES, CANOPIES, ETC.) SHALL BE GALVANIZED.
- FOR MISCELLANEOUS STEEL SEE ARCHITECTURAL DRAWINGS.
- PROVIDE HOLES FOR WOOD BLOWS AS SHOWN ON DRAWINGS.
- ANY STEEL MEMBERS REQUIRED BY THE ELECTRICAL OR MECHANICAL TRADES FOR THE SUPPORT OF THEIR EQUIPMENT, WHICH ARE NOT SHOWN ON ARCHITECTURAL OR STRUCTURAL DRAWINGS, SHALL BE PROVIDED BY THE TRADE REQUIRING SUCH SUPPORT.
- ALL STEEL TUBES AND PIPE COLUMNS SHALL HAVE 1/4" THICK MIN. CLOSURE PLATES AND 1/4" DIA. WEEP HOLE @ LOWEST POINT.
- SEE SPECIFICATIONS FOR PAINTING OF STRUCTURAL STEEL. ALL FABRICATION AND ERECTION MARKS SHALL BE COVERED DURING FIELD TOUCH-UP PAINTING.

SHOP DRAWINGS

- NO STRUCTURAL DRAWINGS SHALL BE REPRODUCED FOR USE AS SHOP DRAWINGS.
- ALL DIMENSIONAL COORDINATION SHALL BE DONE BY THE CONTRACTOR AND/OR HIS DETAILER.
- DETAILER SHALL CHECK ALL ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL ATTACHMENTS, CLIPS, OPENINGS, OR DUOT WORK AFFECTING STRUCTURAL MEMBERS. ALL ITEMS SHALL BE SHOWN ON SHOP DRAWINGS.
- SHOP DRAWINGS SHALL BE SUBMITTED TO ALLOW SUFFICIENT TIME FOR PROCESSING.
- ALL SHOP DRAWINGS SHALL BE SUBMITTED ON TRANSPARENTS FOR DIRECT REPRODUCTION WITH TWO PRINTS ONLY. DISTRIBUTION AS PER ARCHITECT INSTRUCTIONS.
- PROVIDE SUFFICIENT SPACE ON SHOP DRAWINGS NEAR TITLE BOX (ABOUT 40 SQUARE INCHES) FOR STAMPS AND ENGINEERS COMMENTS.
- THE SHOP DRAWINGS SHALL BE CHECKED BY DETAILER, CHECKER AND CONTRACTOR PRIOR TO SUBMISSION.
- COMPLETED DETAILING PLANS SHALL BE SUBMITTED PRIOR TO OR IN CONJUNCTION WITH DETAILING OF THE DRAWINGS BUT IN NO CASE SHALL DETAIL DRAWINGS BE SUBMITTED PRIOR TO ERECTION PLANS.
- DETAILER SHALL SUBMIT AN INDEX OF THE DETAIL DRAWINGS WITH EACH SHOP DRAWING SUBMITTAL.
- SHOP DRAWINGS NOT COMPLYING WITH ALL THE ABOVE ITEMS SHALL BE RETURNED FOR CORRECTIONS WITHOUT PROCESSING.
- RESUBMITTED SHOP DRAWINGS SHALL HAVE THE FOLLOWING CHANGES INCORPORATED:
 - FIRST RESUBMISSION TO HAVE LETTER "A" ADDED TO DRAWING NUMBER AND ANY CHANGES MARKED ON THE DRAWING MARKED 1 AT EACH ITEM CHANGED. ALL ITEMS TO BE NOTED IN REVISION BOX.
 - SUBSEQUENT RESUBMISSION SHALL BEAR CHANGES "B" AND 2 AND 3 ETC. AS IN 11A.
- CONTRACTOR SHALL HAVE SHOP DRAWINGS WHICH HAVE BEEN SATISFACTORILY REVIEWED BY THE ARCHITECT AND/OR ENGINEER AND CONFIRMED BY THE CONTRACTOR BEFORE PROCEEDING WITH ANY WORK. DETAILER SHALL USE THE SAME COLUMN NUMBERS IN HIS DETAILS AS THOSE SHOWN ON CONTRACT DRAWINGS.

JAMES R. MEHLTRETTER, P.E.
FL. LIC. No. 33860

2007 W. BAY TO BAY BOULEVARD, #201
TAMPA, FLORIDA 33609-6161
813.896.4885 FAX 813.896.5226
MOE@mcngheers.com
EB: 8428 PROJ. NO.

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND DETAILS BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- DETAILS SHOWN IN ANY SECTION APPLY TO ALL SIMILAR SECTIONS AND CONDITIONS UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT ALL WORK IN PROGRESS UNTIL THE BUILDING IS COMPLETED.
- ALL STRUCTURAL ITEMS FOR THIS PROJECT HAVE BEEN DESIGNED IN ACCORDANCE WITH APPROPRIATE PROVISIONS OF EACH OF THE FOLLOWING:
 - THE FLORIDA BUILDING CODE, 2001 EDITION.
 - ACI STANDARD 318-99 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
 - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-99/ASCE 9-99).
 - ASCE "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" LATEST EDITION.
- THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND THE ARCHITECTURAL AND MECHANICAL DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT PRIOR TO PERFORMING WORK.

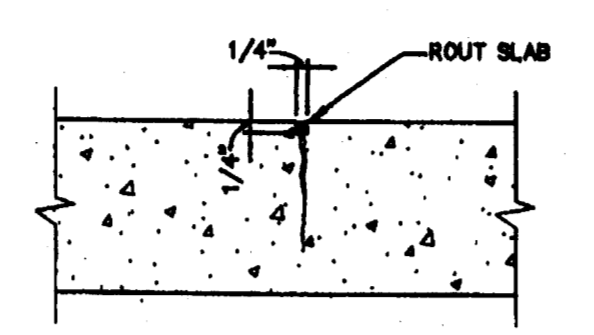
CONCRETE AND REINFORCING

- ALL CONCRETE WORK SHALL CONFORM TO THE LATEST ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-99". ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH AS INDICATED BELOW:

CONCRETE STRENGTH TYPE	AGGREGATE WHERE USED
4,000 PSI	STONE
4,000 PSI	CONCRETE, U.N.O.
- ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE, NEW BILLET STEEL, DEFORMED BARS, CONFORMING TO ASTM A-615, GRADE 60. ALL BARS SHALL BE SECURELY SUPPORTED AND WIRED IN PLACE PRIOR TO POURING CONCRETE.
- ALL WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM A-185. UNLESS NOTED, ALL BARS MARKED CONT. SHALL BE SPLICED AT ALL LAP POINTS AND DEVELOPED AT END-CONTINUOUS ENDS AS PER TYPICAL DETAILS. SPLICE CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AND SPLICE CONTINUOUS BOTTOM BARS AT SUPPORTS.
- CONCRETE COVER FOR REINFORCING BARS SHOWN IN TYPICAL DETAILS.
- UNLESS NOTED, TEMPERATURE REINFORCING (ASTM A-615-80) TO BE 0.0018 X CONCRETE AREA.
- PROVIDE #4 @ 12" O.C. TOP BARS IN ALL SLABS AT DISCONTINUOUS ENDS UNLESS OTHERWISE NOTED ON PLANS. LENGTH OF BARS 1/4 OF SPAN, MINIMUM 3'-0".
- WHERE PIPE SLEEVES (UP TO 2" IN DIAMETER) PASS THROUGH CONCRETE BEAMS, PROVIDE ADDITIONAL STIRRUP EACH SIDE OF STEEL SLEEVES FOR PIPES 2" IN DIAMETER OR LARGER MUST BE SPLICED ON CAST IRON, AND THE LOCATION MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
- ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED JUST BEFORE PLACING NEW CONCRETE.
- FOR CHAMFER OF EXPOSED CORNERS OF BEAMS AND/OR COLUMNS, SEE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL COORDINATE PLACEMENT OF, OR BOX OUT FOR, ALL PIPE SLEEVES, OPENINGS, ETC. REQUIRED FOR VARIOUS TRADES.
- CONTRACTOR SHALL COORDINATE AND NOTIFY OTHER TRADES IN SUFFICIENT TIME TO ALLOW THEM TO SET ANCHORS, INSERTS, BOLTS, HANGERS, ETC. AS REQUIRED FOR THEIR USE.
- SEE ARCHITECTURAL DRAWINGS FOR DETAILS OF FLASHING REGLETS, FASCIA DETAILS, ETC.
- UNDER NO CIRCUMSTANCES SHALL CONCRETE BE PUMPED THROUGH ALUMINUM PIPES. CONCRETE SHALL NOT BE PLACED IN CONTACT WITH ALUMINUM, ALUMINUM MIXING DRUMS, TRUCK MIXERS, SUGGERS, CHUTES, CONVEYORS, TRUCK PIPES, AND OTHER EQUIPMENT MADE OF ALUMINUM SHALL NOT BE USED ON THIS PROJECT.
- SLEEVES OF OVER 4 INCHES WILL NOT BE PERMITTED UNLESS THE HWY ADMIXTURE (SUPER PLASTICIZER) IS USED. MAXIMUM SLUMP IS THEN 8 INCHES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN ANY CASE, THE MAXIMUM WATER-CEMENT RATIO SHALL BE 0.42 FOR 4,000 PSI CONCRETE.
- NO ADMIXTURE SHALL BE USED IN CONCRETE EXCEPT WITH THE APPROVAL OF THE ENGINEERS AND AFTER LABORATORY DESIGN MIX APPROVAL. ALL ADMIXTURES SHALL CONTAIN NO MORE CHLORIDE IONS THAN ARE PRESENT IN MUNICIPAL DRINKING WATER.
- WATER REDUCING ADMIXTURE SHALL CONFORM TO ASTM C-494, TYPE A, AND SHALL BE USED IN ALL CONCRETE.
- AN EXTRINSIC ADMIXTURE SHALL CONFORM TO ASTM C260. AIR CONTENT OF CONCRETE SHALL BE USED AS FOLLOWS:
 - FOR CONCRETE EXPOSED TO SOIL AND/OR WEATHER, SK. B.
 - FOR INTERIOR WALLS, COLUMNS, AND SLABS, SK. A.

NOTE:

IN CASE OF CONFLICT BETWEEN INFORMATION SHOWN ON THIS DRAWING, SECTION DRAWINGS OR ARCHITECTURAL DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE ARCHITECT AND ENGINEER OF SUCH CONFLICT IN ORDER TO RECEIVE A CLARIFICATION BEFORE PROCEEDING TO WORK.



CRACK TYPE I
(20 MILLS TO 1/4")

SURFACE PREPARATION:

- VEE NOTCH THE SURFACE OF THE CRACK WITH A MECHANICAL ROUTER OR HAND CHIPPING TOOL TO A MAXIMUM WIDTH OF A 1/4". REMOVE LOOSE DEBRIS.
- REMOVE ALL DUST, LANTAGE, GREASE, CURING COMPOUND, WAXES, IMPREGNATIONS, FOREIGN PARTICLES, EFFLORESCENCE AND OTHER BOND INHIBITING MATERIALS FROM THE SURFACE BY MECHANICAL MEANS, I.E. - SANDBLASTING, HIGH PRESSURE WATERBLASTING, ETC., AS APPROVED BY ENGINEER.
- SEAL UNDERSIDE OF SLAB IF CRACKS REFLECT THROUGH WITH AN EPOXY GEL.

REPAIR PROCEDURE:

SKA PRODUCT:

- POUR NEAT SKADUR 35 H-MOD LV EPOXY RESIN ADHESIVE INTO VEE NOTCHED CRACK. REPLENISH THE RESERVOIR WITH THE MIXED BOND INHIBITING MATERIALS FROM THE SURFACE BY MECHANICAL MEANS, I.E. - SANDBLASTING, HIGH PRESSURE WATERBLASTING, ETC., AS APPROVED BY ENGINEER.
- IF PENETRATION OF ANY CRACK IS IMPOSSIBLE, CONSULT THE ENGINEER.

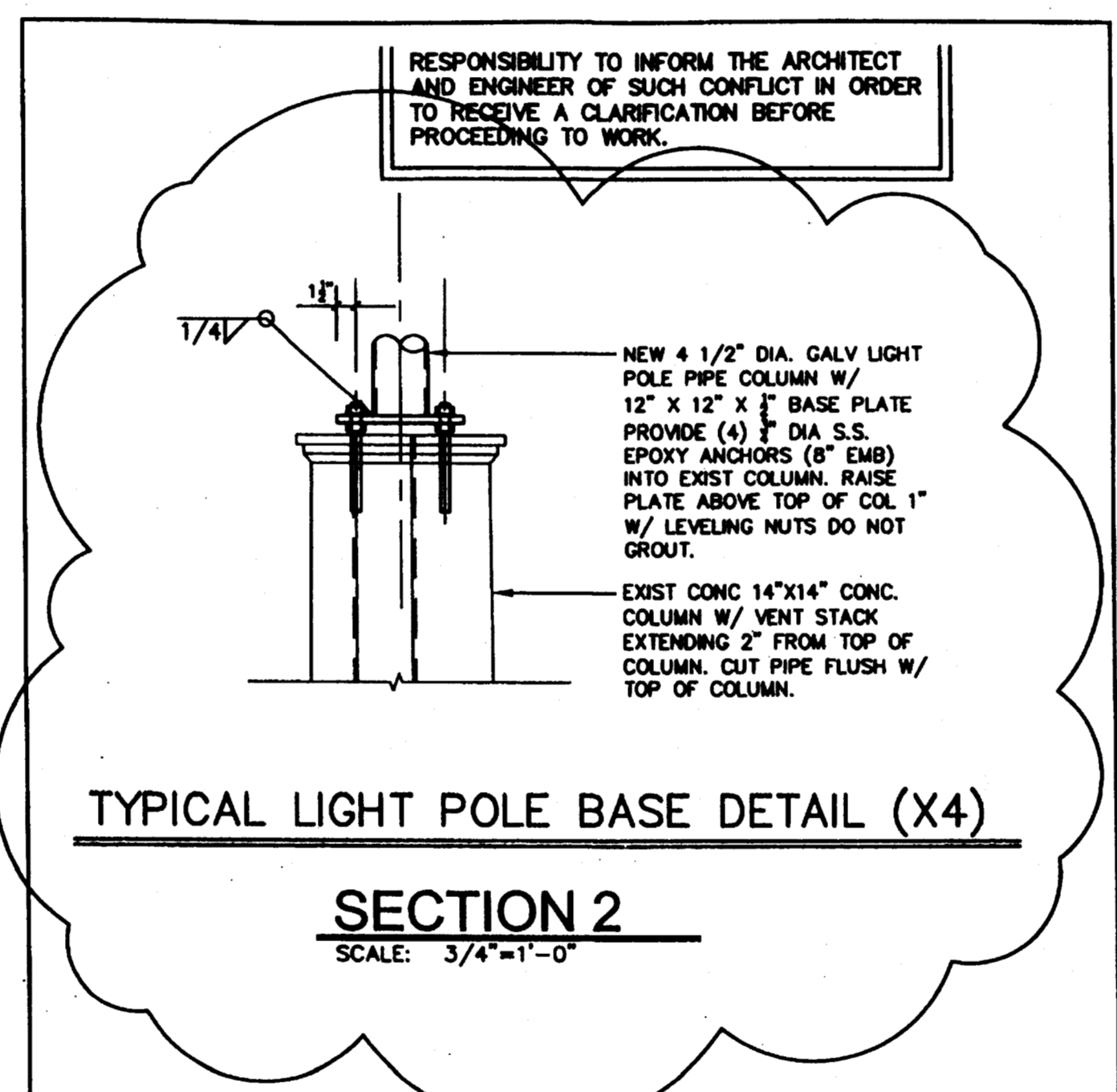
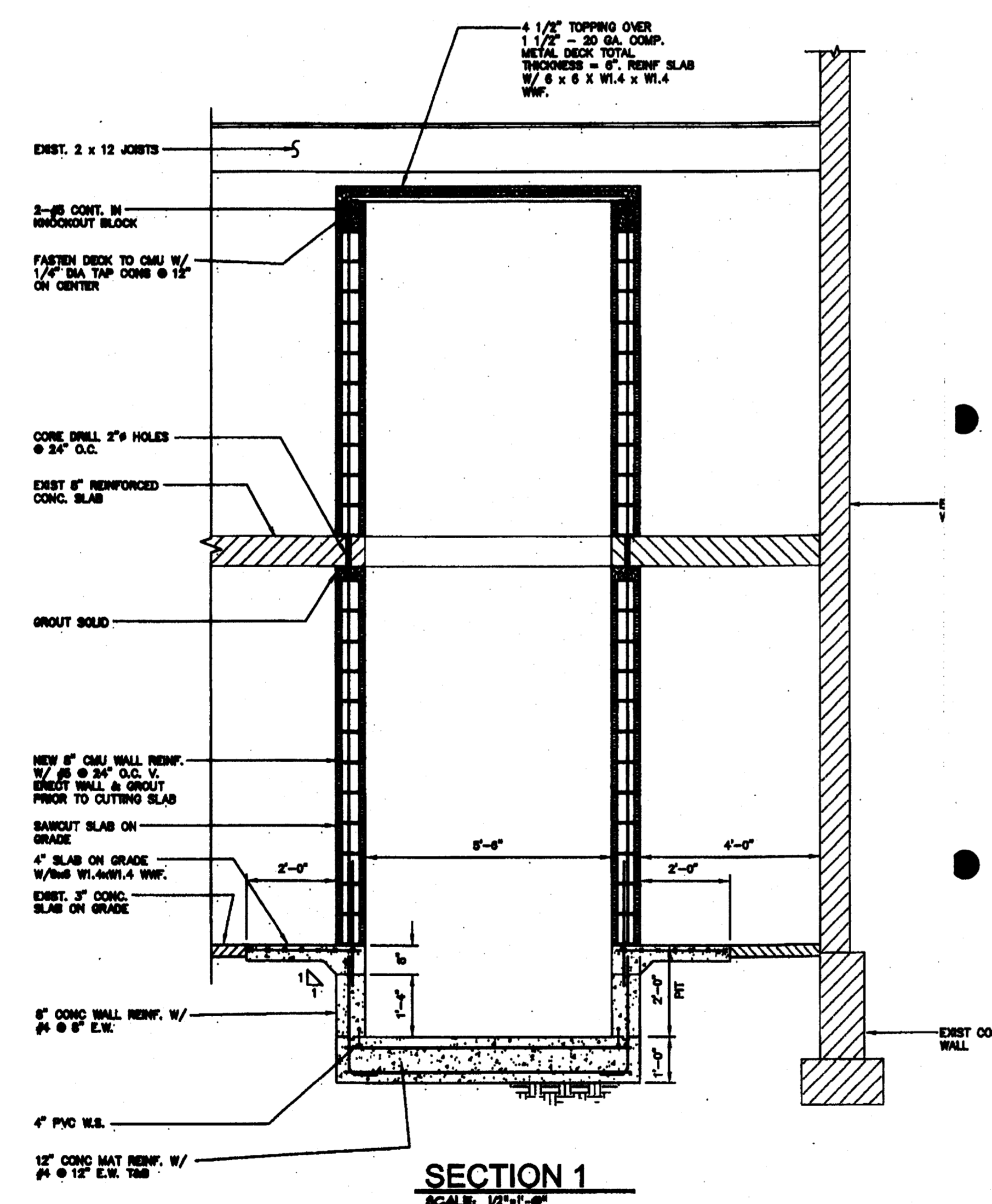
TYPICAL SECTION - CRACK TYPE I (20 MILLS TO 1/4") 9-004

TENSION LAP SPLICES

BAR SIZE	LAP CLASS	TOP BARS				OTHER BARS				COMPRESSION LAP SPLICES
		14	16	18	20	14	16	18	20	
#4	A	12	12	12	12	12	12	12	12	14
#5	A	12	12	12	12	12	12	12	12	17
#6	A	12	12	12	12	12	12	12	12	21
#7	A	12	12	12	12	12	12	12	12	27
#8	A	12	12	12	12	12	12	12	12	33
#9	A	12	12	12	12	12	12	12	12	41
#10	A	12	12	12	12	12	12	12	12	49

TENSION AND COMPRESSION LAP SPLICES W/ F_c = 4000 PSI 3-068

REINFORCING ELEMENT	CONCRETE COVER	COVER ADJUSTMENT TO CENTER-TO-CENTER SPACING				TOP BARS	OTHER BARS
		2 3/8"	2 1/2"	2 1/4"	2 1/8"		
BEAM, COLUMN, AND OTHER LAP IN SLAB	5/8"	1	1	1	2	2	
ALL OTHERS	5/8"	1	1	1	2	2	



REFERENCE DWG. S401

MASTER CONSULTING ENGINEERS, INC.
2007 W. BAY TO BAY BOULEVARD, #201
TAMPA, FLORIDA 33609-6161
813.896.4885 FAX 813.896.5226
MOE@mcngheers.com
EB: 8428

SUBJECT: LIGHT POLE BASE DETAIL
CLIENT: ROWE ARCHITECTS
PROJECT: CUSCADEN POOL JOB NO: 2100-115
SHEET NO. SSK-005 DES. BY: JRM
DATE: 08/06/04

CUSCADEN POOL RENOVATION

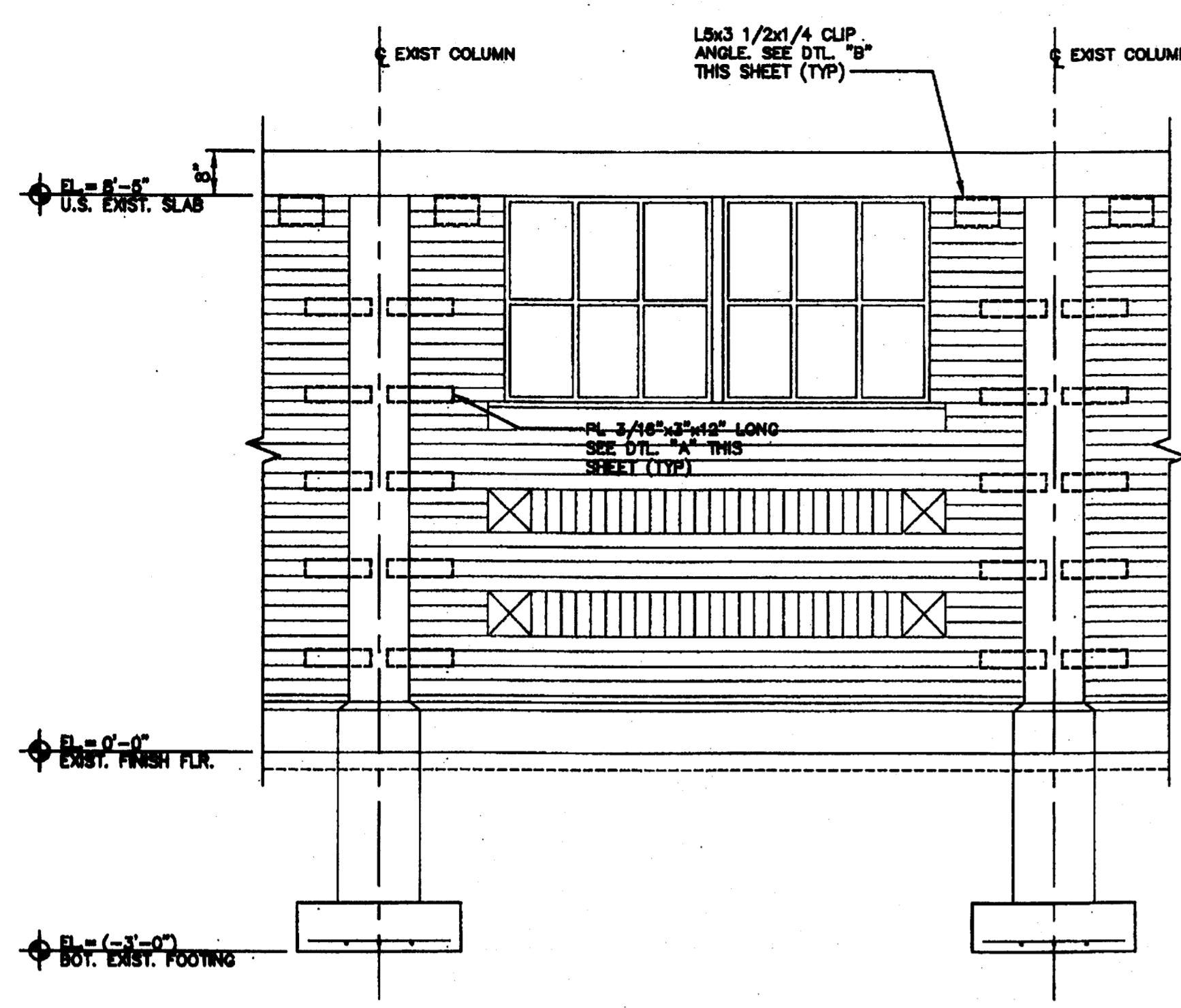
CITY OF TAMPA
 305 East Jackson Street
 Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
Std Documents	02.02.00

WALL ELEVATION/DETAIL
RECORD DWG.
 DATE 8/20/05



PROJECT NORTH RECEIVED
 FEB 23 2004
S501
 2/7/07



WALL ELEVATION W1
 SCALE: 1/2"=1'-0" (OUTSIDE VIEW)

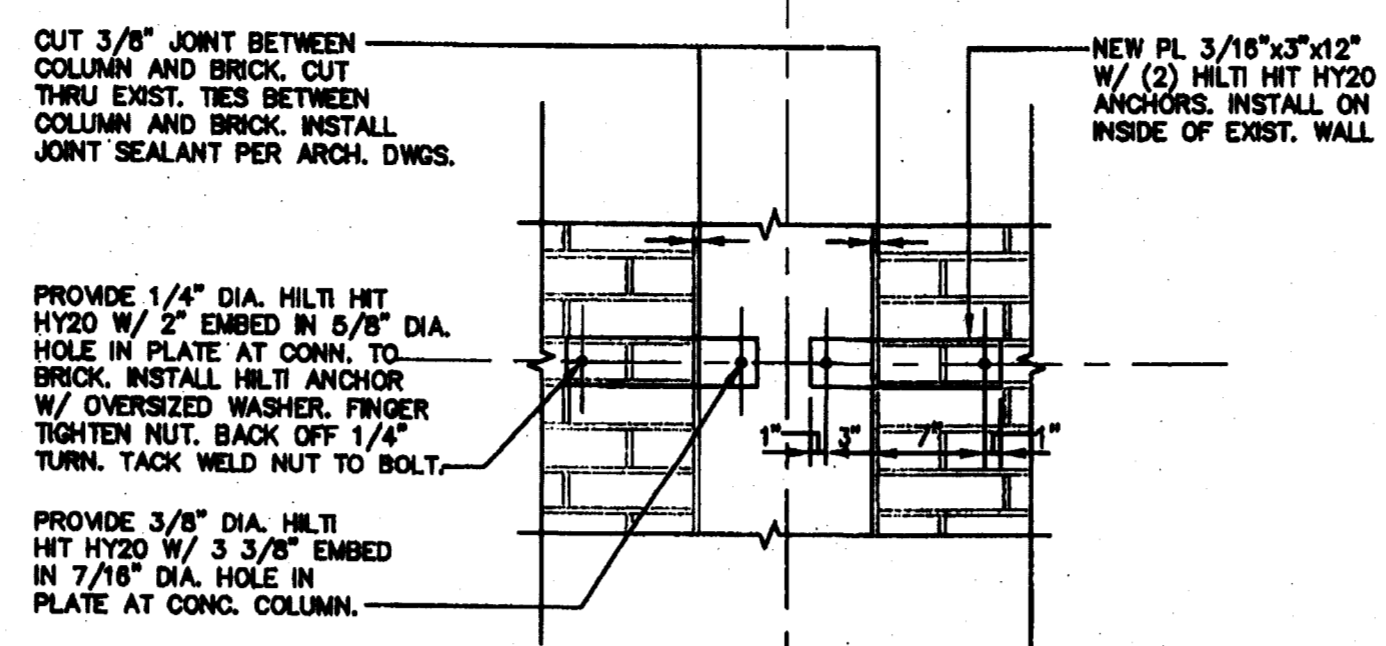
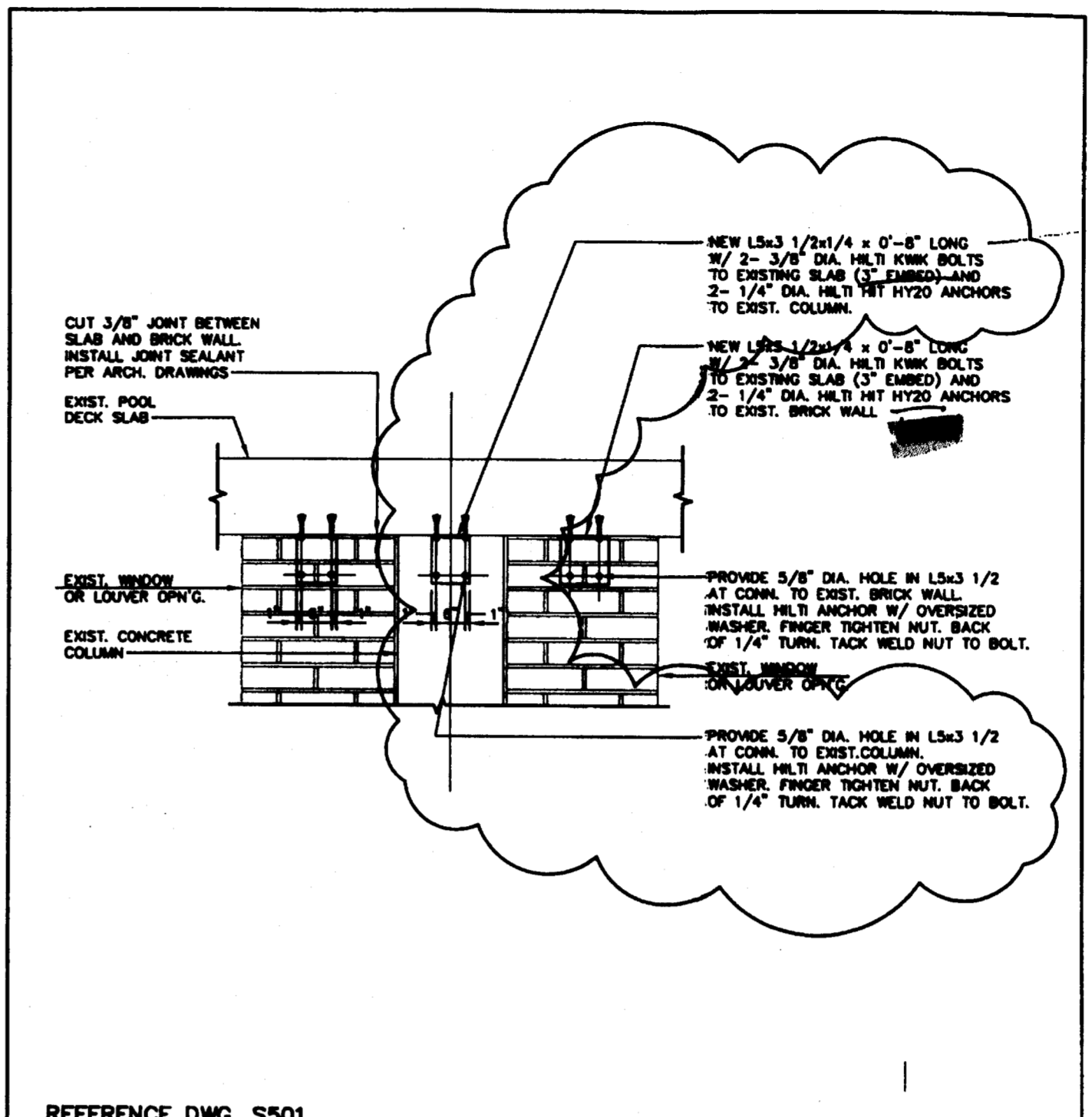


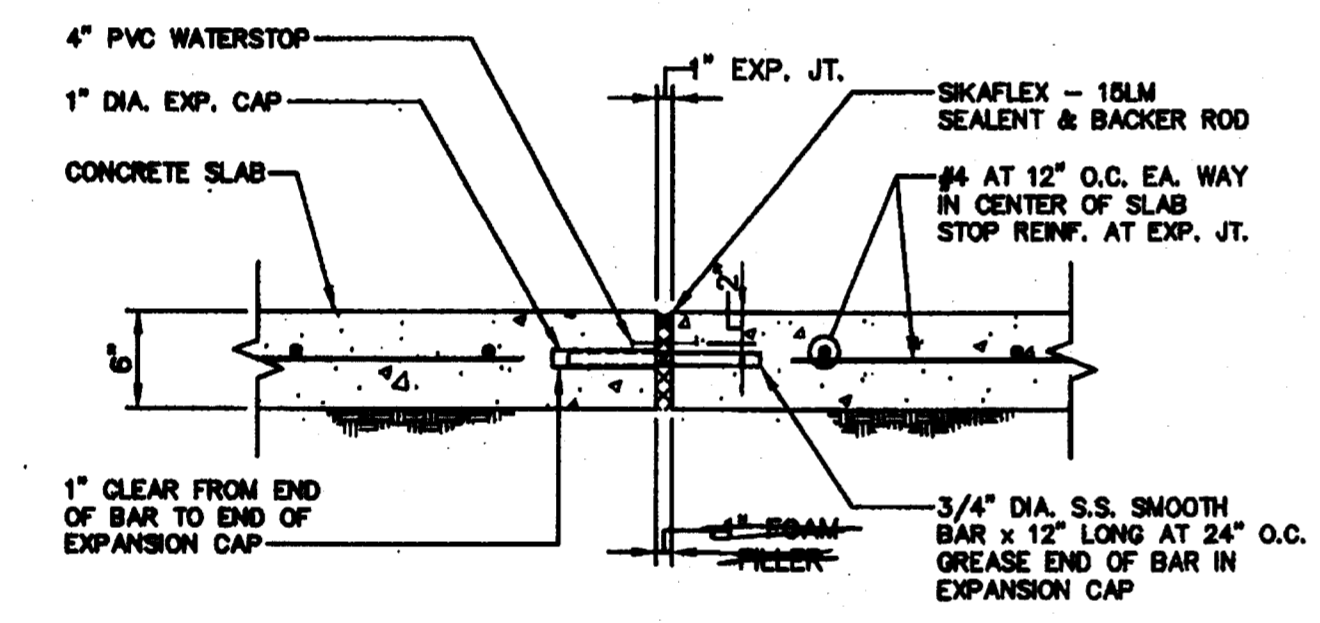
PLATE DETAIL "A"
 SCALE: 1"=1'-0" (INSIDE VIEW)



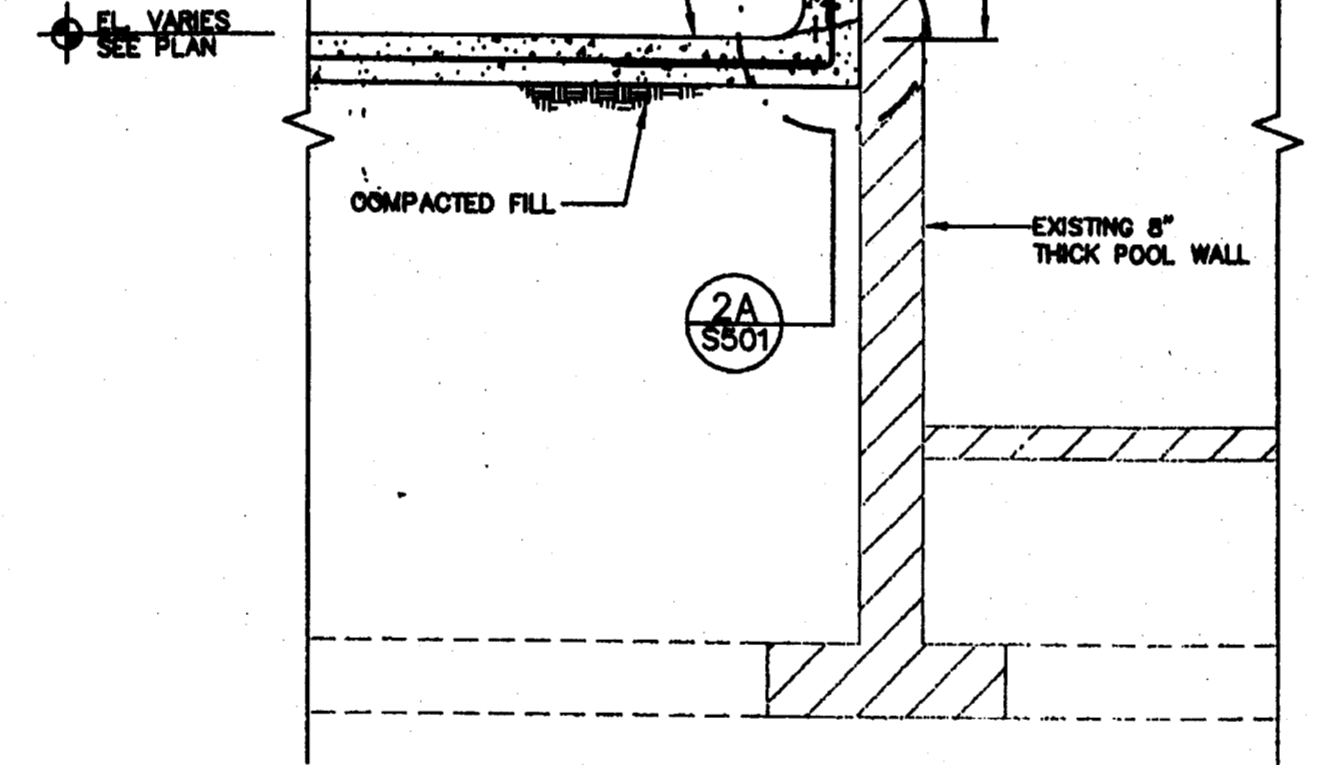
REFERENCE DWG. S501

MASTER CONSULTING ENGINEERS, INC.
 2907 W. BAY TO BAY BOULEVARD, #801
 TAMPA, FLORIDA 33609-8151
 813.836.4865 FAX 813.836.8226
 MCE@mcengineers.com
 EB: 8498

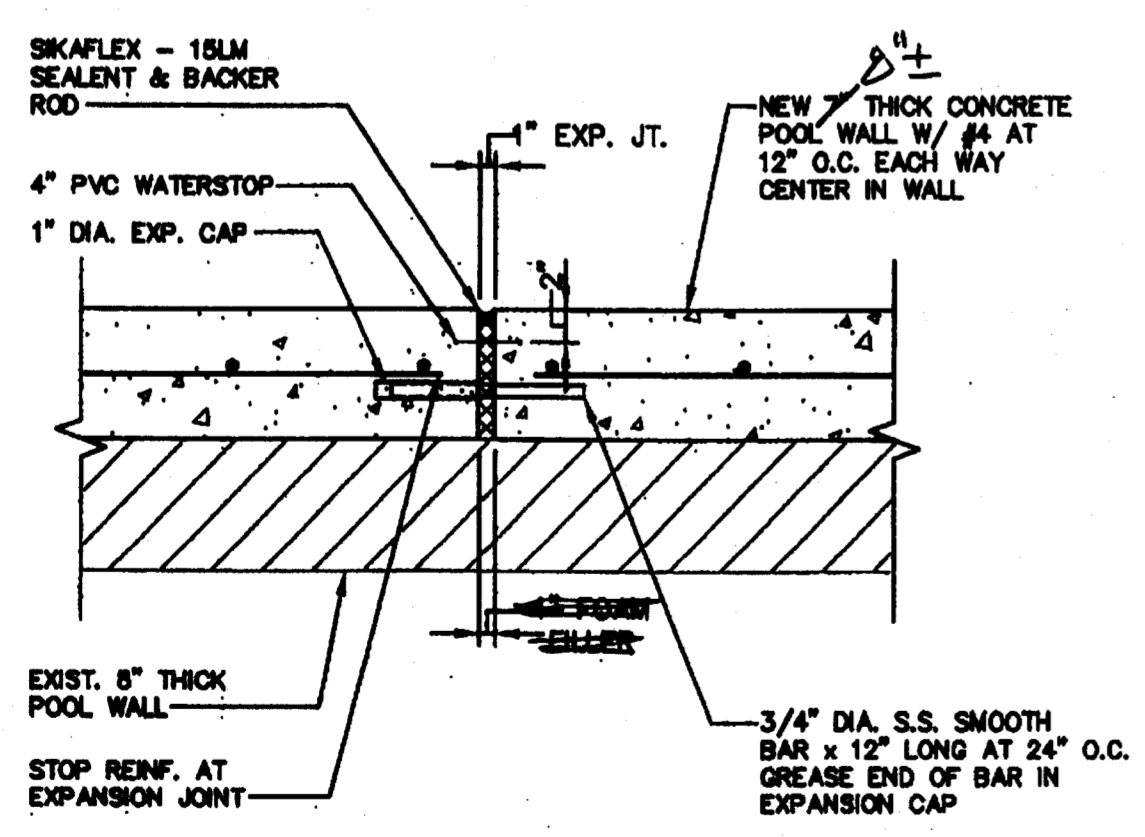
SUBJECT: ANGLE DETAIL W/ COLUMN CONNECTION
 CLIENT: ROME ARCHITECTS
 PROJECT: CUSCADEN POOL JOB NO: 2100-115
 SHEET NO. SSK-008 DES. BY: JRM
 DATE: 08.25.04



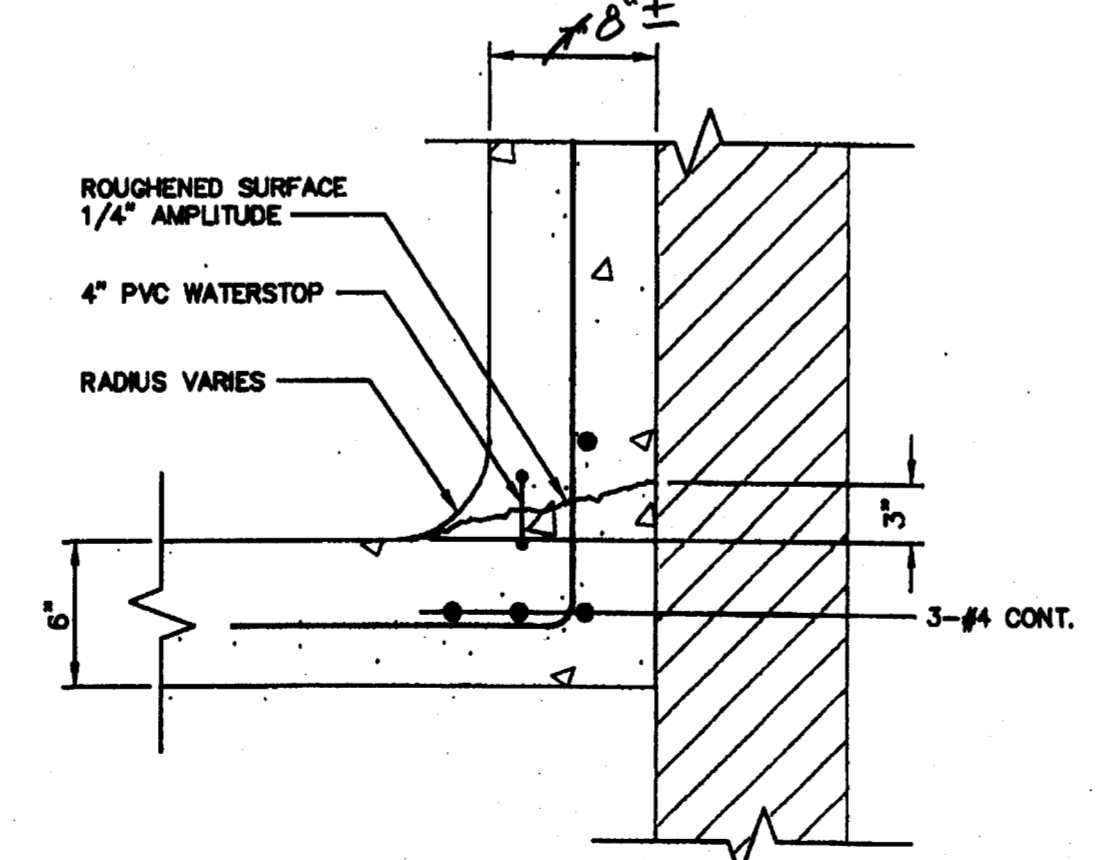
SECTION 1
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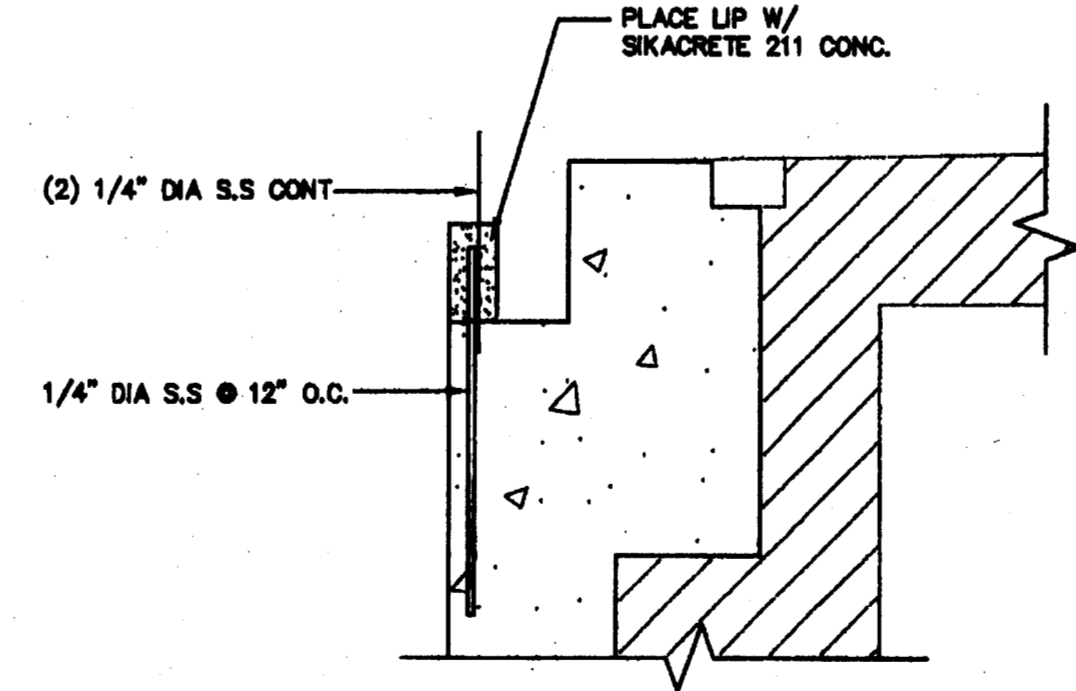
SECTION 2
 SCALE: 1/2"=1'-0"



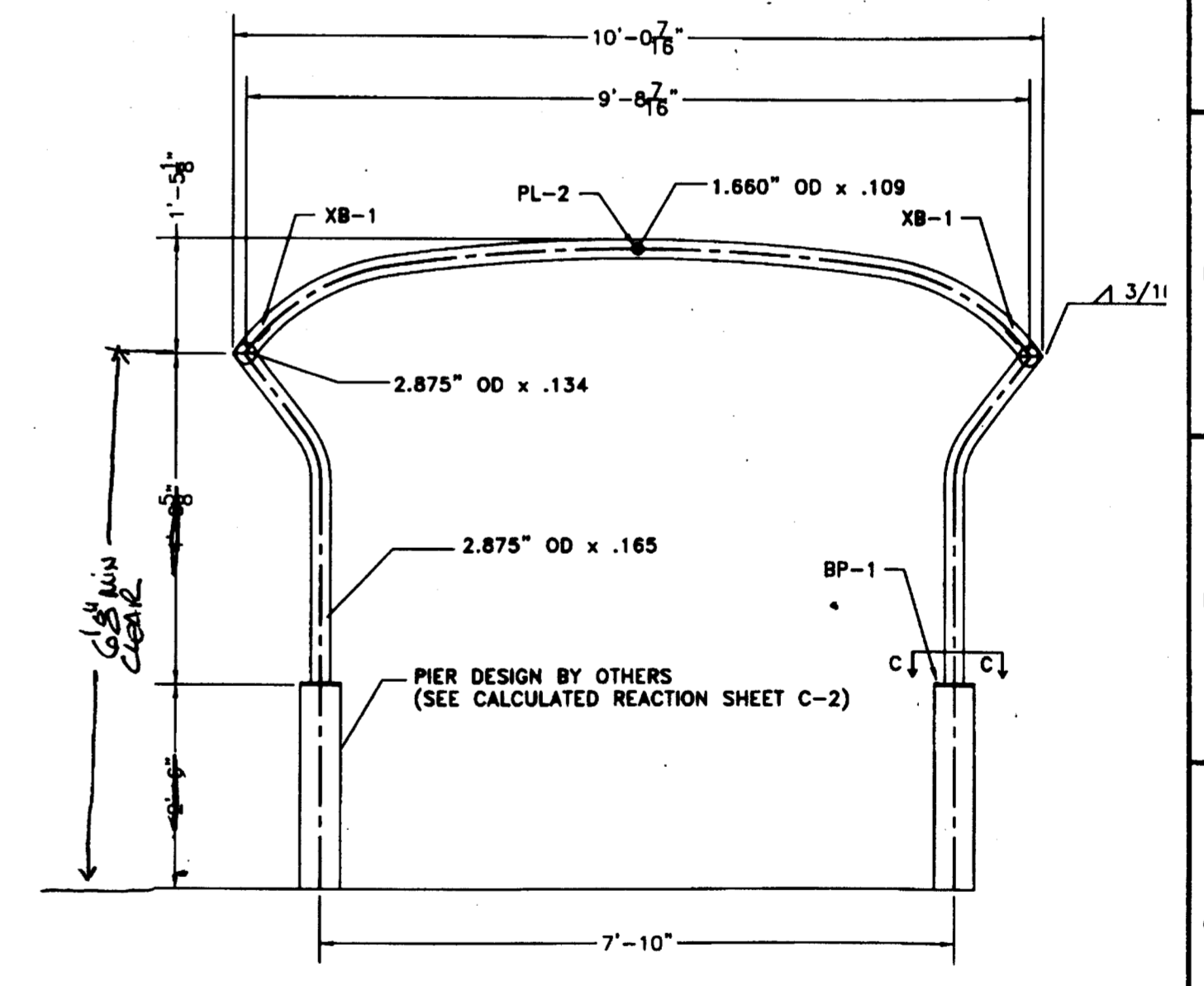
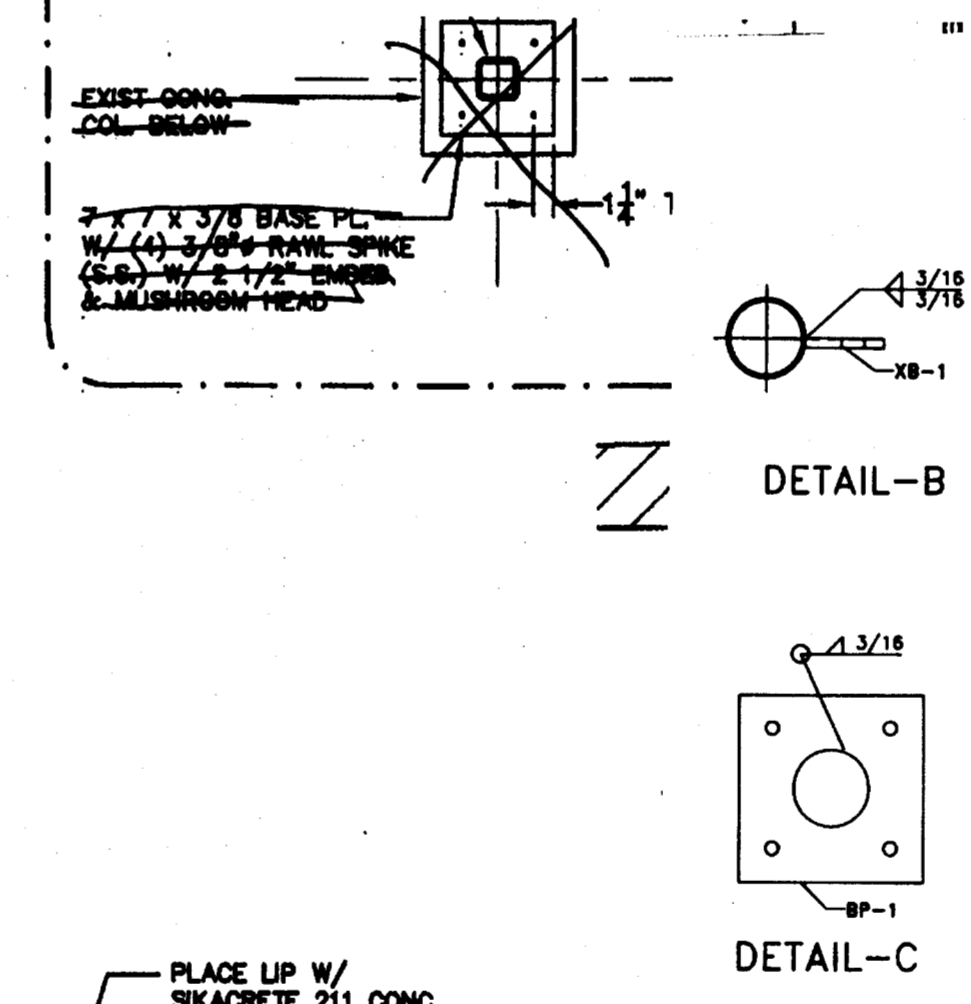
WALL EXP. JOINT DETAIL (PLAN)



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



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

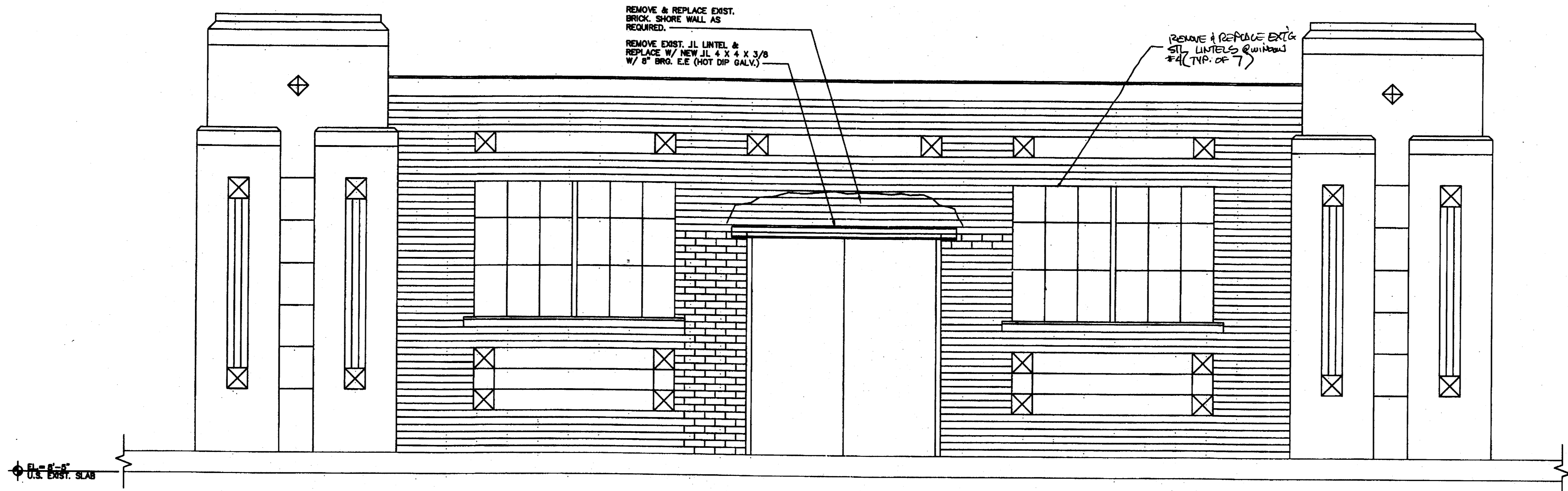


CS-1

JAMES R. MEHLTRETTER, P.E.
 FL. LIC. No. 33860

MASTER CONSULTING ENGINEERS, INC.
 2907 W. BAY TO BAY BOULEVARD, #801
 TAMPA, FLORIDA 33609-8151
 813.836.4865 FAX 813.836.8226
 MCE@mcengineers.com
 EB: 8498 PROJ. NO.

Signature Date



**EXISTING REAR
 WALL ELEVATION**
 SCALE: 1/2"=1'-0"

U.S. EXIST. SLAB

**CUSCADEN
 POOL
 RENOVATION**

CITY OF TAMPA
 306 East Jackson Street
 Tampa, Florida 33602

Project No.	0202.00
Distribution	Date
Bid Documents	02.02.04

WALL ELEVATION
RECORD DWG.
 DATE 02/26/05
 1/8" = 1'-0"
 0 4 8 16 FT

MASTER CONSULTING ENGINEERS, INC.
 JAMES R. MEHLTRETTER, P.E.
 FL. LIC. No. 33860
 2907 W. BAY TO BAY BOULEVARD, #201
 TAMPA, FLORIDA 33629-9161
 813.835.4865 FAX 813.835.5229
 MCE@moengh.com
 EB: 8428 PROJ. NO.

RECEIVED
 FEB 23 2004
 S502
 2/17 009

NO.	DESCRIPTION	DATE	BY

AS-BUILT SURVEY

CUSCADEN POOL RENOVATION



DRAWN BY:	TGD
PARTY CHIEF:	DLS
CHECKED BY:	BLA
SCALE:	DATE:
1"=20'	9/01/05
SEC-TWP-RNG	7-29S-19E
FIELDBOOK:	PAGE:
JOB NUMBER:	CUS5501.04
SHEET NUMBER:	1 OF 1

HCP 1 PER 172
 WITNESS CORNER LB 6113
 N: 5027.37
 E: 4543.86

HCP 2 FOUND NAIL IN S/W
 N: 5044.55
 E: 4841.92

TIM A FOUND NAIL IN POLE
 ELEV: 48.85

TIM B FOUND NAIL IN POLE
 ELEV: 48.72



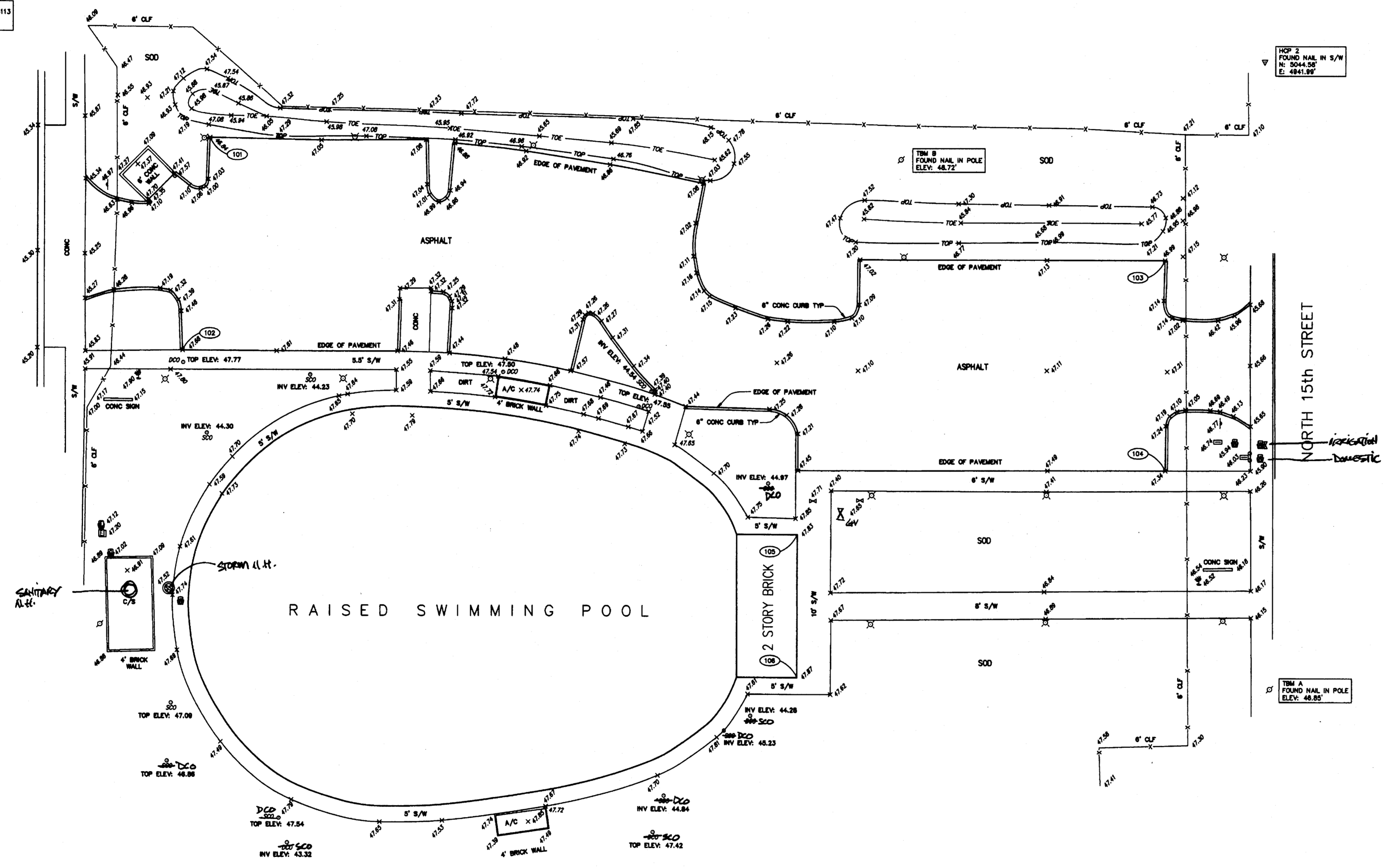
LEGEND

- HCP HORIZONTAL CONTROL POINT
- TBM TEMPORARY BENCH MARK
- FR FOUND IRON ROD
- S/W CONCRETE SIDEWALK
- TOP OF SLOPE
- TOE OF SLOPE
- CLF CHAIN LINK FENCE
- CONC CONCRETE
- TYP TYPICAL
- A/C AIR CONDITIONER SLAB
- C/S CONCRETE SLAB
- INV INVERT
- ELEV ELEVATION
- SCO SANITARY CLEANOUT
- SDO STORM DRAIN CLEANOUT
- LB LICENSED BUSINESS
- SANITARY SEWER MANHOLE
- BOLLARD
- ⊙ GAS METER
- ⊠ ELECTRIC SPLICE BOX
- ⊞ ELECTRIC METER
- ⊟ POWER POLE
- ⊠ LIGHT POLE
- ⊟ STOP SIGN
- ⊠ ELEVATION
- ⊟ WATER VALVE
- ⊞ WATER METER
- ⊠ BACKFLOW PREVENTER
- ⊟ SURFACE MOUNTED LIGHT

POINT	NORTHING	EASTING
101	5021.63	4631.00
102	4959.22	4623.04
103	4986.42	4912.76
104	4924.75	4912.97
105	4905.56	4804.34
106	4863.49	4804.41

AVENIDA REPUBLICA DE CUBA
 (14th STREET)

NORTH 15th STREET



IMPROVEMENTS NOT SHOWN

SURVEYOR'S NOTES

- This is an as-built survey, the purpose of which is to show the horizontal and vertical location of Cuscaden Pool renovations constructed by Construction Technology Group, Inc. as of August 26 2005.
- All elevations shown hereon are based on temporary bench marks A and B as shown on Rowe Architects, Inc. Site Plan 0202.00 dated 02/02/04.
- All horizontal coordinates shown hereon are based on information provided by Polaris Associates, Inc. for horizontal control points 1 and 2.
- Any reuse of this survey for purposes other than which it was intended, without written verification, will be at the reuser's sole risk and without liability to the surveyor.
- Not valid without the signature and the original raised seal of a Florida licensed Surveyor and Mapper.

Date Signed: 9/01/05
 Thomas G. Dove
 Professional Surveyor and Mapper
 State of Florida No. 5177
 Last Date of Field Survey: 8/28/05

RECORD DWG.
 DATE 9/26/05

INSTALLATION NOTES:

1. NO PARALLEL BRANCHING OF WIRE IS ALLOWED IN SIGNAL CIRCUIT.
2. PARALLEL BRANCHING OF INITIATION CIRCUIT IS ALLOWED, BUT MUST NOT EXCEED 63 BRANCHES PER DATA LINE.
3. WHEN SPADE CRIMP CONNECTORS ARE USED FOR TERMINATION AT THE DEVICES, UNDER NO CIRCUMSTANCES SHOULD MORE THAN ONE WIRE BE CRIMPED IN A CONNECTOR.

CONTRACTOR/INSTALLER NOTE:

YOUR INSTALLATION OF WIRING AND EQUIPMENT MUST BE IN ACCORDANCE WITH NFPA 70 - THE NATIONAL ELECTRIC CODE - ARTICLE 760 - FIRE PROTECTIVE SIGNALING SYSTEMS, NFPA 72 - CURRENT EDITION AND MAY ALSO BE SUBJECT TO REVIEW AND ACCEPTANCE OF LOCAL AUTHORITIES HAVING JURISDICTION.

INSTALLATION SHALL ALSO BE IN COMPLIANCE WITH THE FLORIDA FIRE CODE 2001 EDITION.

NOTE:

ELECTRICAL CONTRACTOR SHALL PULL, BUT NOT CONNECT A/C POWER TO CONTROL PANEL. THIS WILL BE CONNECTED BY AN SAI TECHNICIAN.

ALL OTHER FIELD WIRES ARE TO BE CONNECTED BY ELECTRICAL CONTRACTOR AFTER CHECKING FOR CONTINUITY AND GROUNDS.

NOTE:

THESE FIRE ALARM WIRING AND CONNECTION DIAGRAMS ARE PROVIDED TO INDICATE WIRING REQUIREMENTS AND SUGGESTED CONDUIT RUNS. FOR EXACT LOCATION AND PLACEMENT OF FIRE ALARM DEVICES REFER TO CONSTRUCTION DOCUMENTS.

△ NOTE:

PER NFPA REGULATION, MONITORING OF ELEVATOR SHUNT TRIP POWER SHALL BE ACCOMPLISHED THRU THE USE OF A SIGA-CTI INPUT MODULE AND AN MR-101/C HEAVY DUTY RELAY. SEE CONNECTION DIAGRAM FOR TYPICAL WIRING.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
[F]	ADDRESSABLE MANUAL PULL STATION (SIGA-278)
[F] WP	ADDRESSABLE MANUAL PULL STATION/WEATHERPROOF COVER (SIGA-278/STI-3150)
[H]	ADDRESSABLE 135° HEAT DETECTOR/BASE (SIGA-HFS/SIGA-SB)
[H] WP	WEATHERPROOF HEAT DET./MONTOR MODULE (WPBMP508/SIGA-CT1)
[S]	ADDRESSABLE PHOTO. SMOKE DETECTOR/BASE (SIGA-PS/SIGA-SB)
[S] S/R	ADDRESSABLE PHOTO. SMOKE DETECTOR/BASE/HOUSING/AIR SAMPLING TUBE (SIGA-PS/SIGA-SB/SIGA-DH/6261-006)
[S] TL	REMOTE INDICATOR LIGHT (SIGA-LED)
[R]	ADDRESSABLE CONTROL RELAY (SIGA-CR)
[F]	MULTI-CANDELA SPEAKER-STROBE (G4RF-S7VM)
[F] WP	SPEAKER-STROBE/WEATHERPROOF BACKBOX (757-7A-RS70/757A-WB)
[H]	MULTI-CANDELA STROBE (G1RF-VM)
[M]	HEAVY DUTY RELAY/ENCLOSURE (MR-101/C)
[M]	MONITOR MODULE (SIGA-CT1)
[BPS]	BOOSTER POWER SUPPLY (BPS10)
[V]	VOICE EVACUATION PANEL (DVS-25P)
[FACP]	FIRE ALARM CONTROL PANEL (EST2)
[E.O.L.]	END OF LINE RESISTOR (E.O.L.)

WIRING LEGEND

ABRV	SIZE	COLOR	CIRCUIT
A	2 - #16	ORANGE/BLUE	ADDRESSABLE DATA CIRCUIT
B	2 - #16	WEST PENN 990 TWISTED PAIR CABLE	SPEAKER CIRCUITS
C	2 - #12	RED/BLACK	STROBE CIRCUITS
G	2 - #16	WHITE/BLACK	REMOTE INDICATORS

BATTERY CALCULATIONS EST2

TOTAL SUPV. CURRENT	HOURS OF SUPV.	TOTAL ALARM CURRENT	HOURS IN ALARM
[(.251 X 24) + (.515 X .083)] X 1.2			
6.024 + .048 = 6.067			
			X 1.2
			7.280 APH (12 APH SUPPLIED)

BATTERY CALCULATIONS DVS-25P

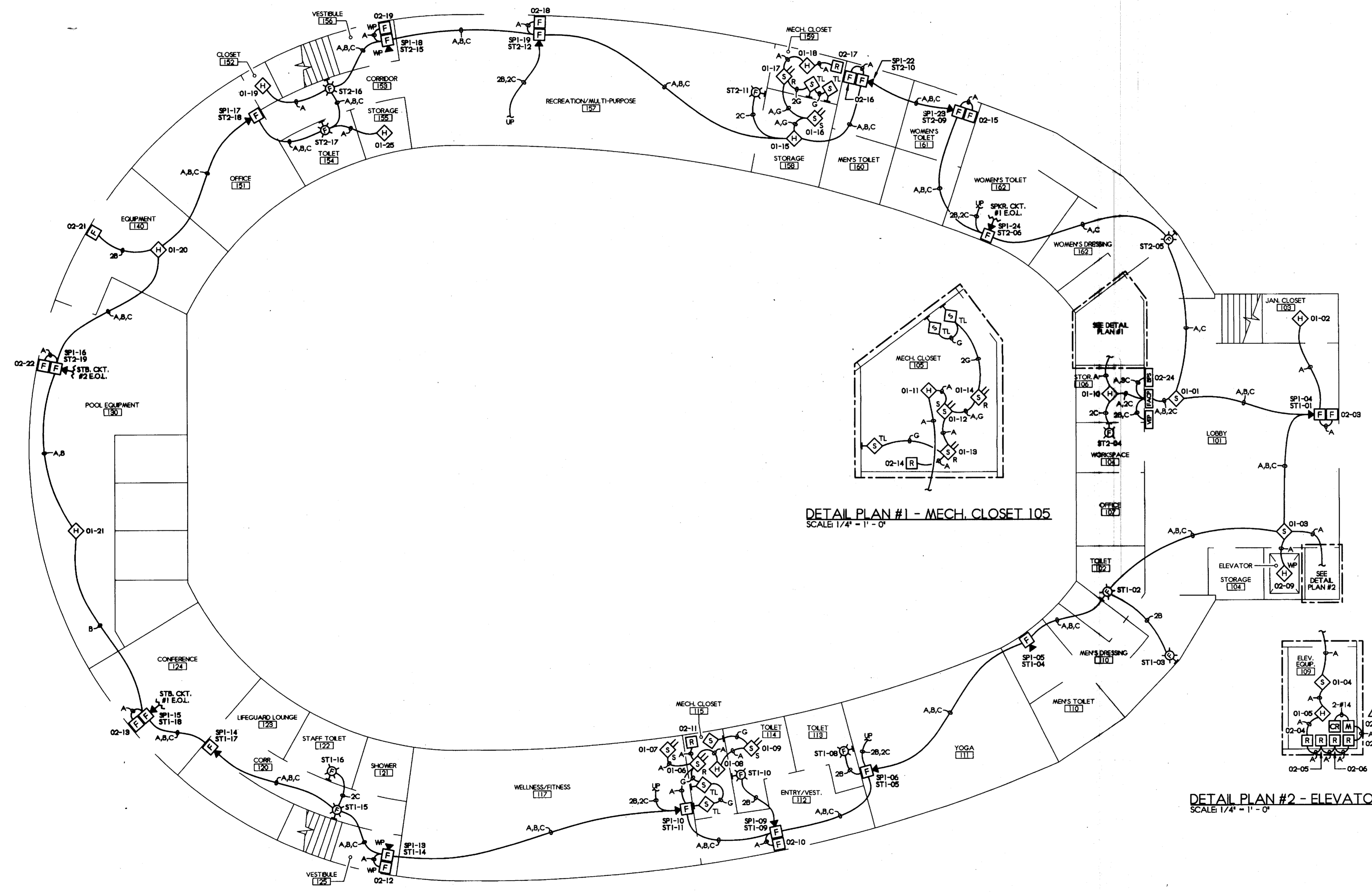
TOTAL SUPV. CURRENT	HOURS OF SUPV.	TOTAL ALARM CURRENT	HOURS IN ALARM
[(.080 X 24) + (1.920 X .25)] X 1.2			
1.920 + .480 = 2.400			
			X 1.2
			2.880 APH (7 APH SUPPLIED)

BATTERY CALCULATIONS BPS10

TOTAL SUPV. CURRENT	HOURS OF SUPV.	TOTAL ALARM CURRENT	HOURS IN ALARM
[(.070 X 24) + (5.082 X .083)] X 1.2			
1.680 + .424 = 2.104			
			X 1.2
			2.524 APH (7 APH SUPPLIED)

ELEVATOR CONTROL RELAYS

DEVICE 02-04 (PRL ELEVATOR RECALL)
 DEVICE 02-05 (ALT. ELEVATOR RECALL)
 DEVICE 02-06 (ELEVATOR WARNING LIGHT)
 DEVICE 02-07 (ELEVATOR SHUNT TRIP)



DETAIL PLAN #1 - MECH. CLOSET 105
SCALE 1/4" = 1' - 0"

DETAIL PLAN #2 - ELEVATOR EQUIP. 109
SCALE 1/4" = 1' - 0"

FIRE ALARM PLAN - 1ST FLOOR
SCALE 1/8" = 1' - 0"

RECORD DWG.
DATE 8/26/05

AS-BUILT DRAWINGS

SAI inc. SYSTEMS DIVISION
 2995 24TH AVE NORTH
 SAINT PETERSBURG, FL 33713
 TEL: 727-321-0400
 FLA STATE LIC. #E-0000293, EFC0001045
 CONTRACTOR: AMERICAN ELEC. SERVICES - TAMPA, FL

CUSCADEN POOL RENOVATION
 TAMPA, FLORIDA
FIRE ALARM SYSTEM PLAN

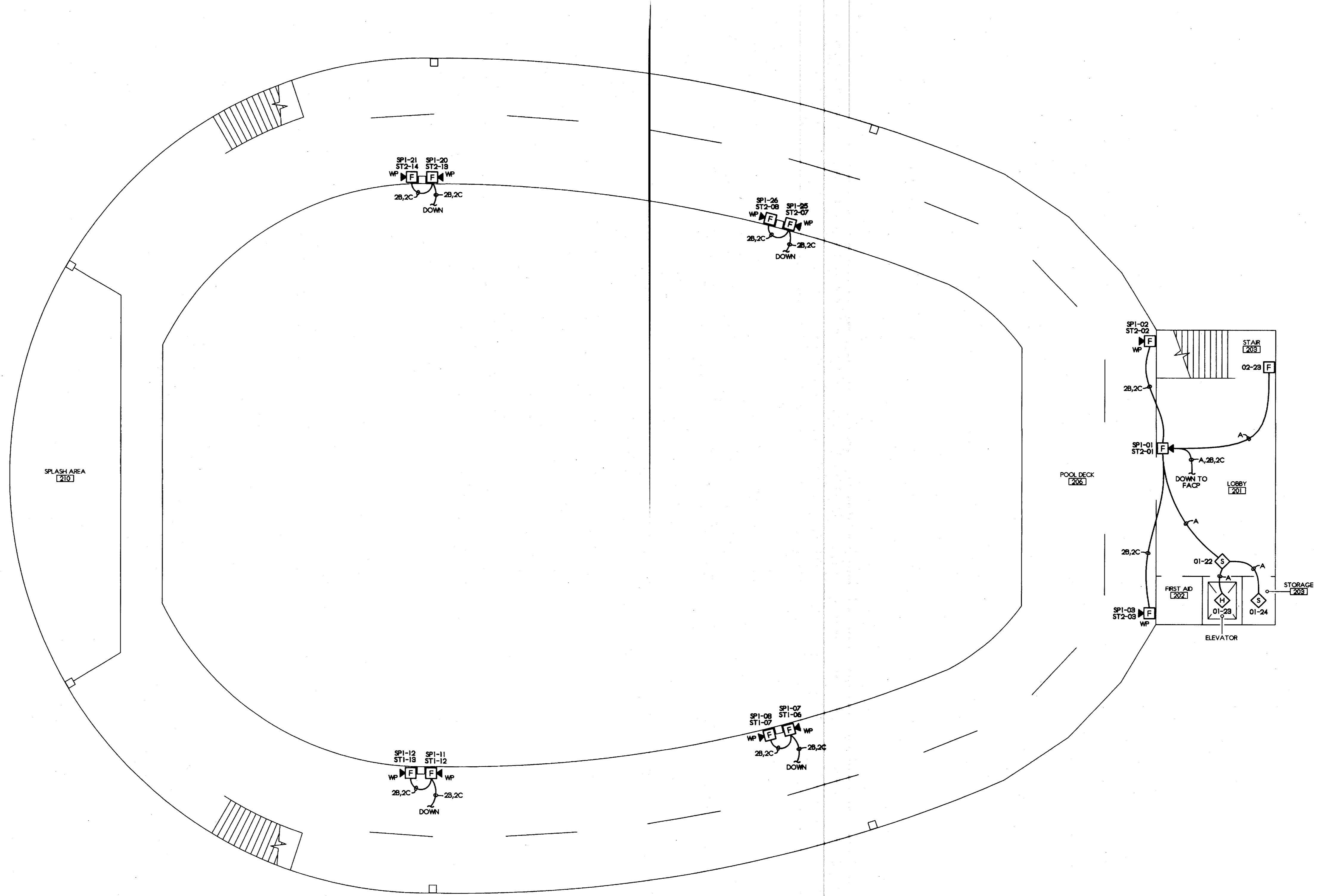
RECEIVED
 SEP 02 2005
 SMART TECH. GROUP, INC.

REVISIONS
 REVISED 11/00/04 - PER FIRE MARSHALS COMMENTS
 REVISED 03/09/05 - PER MATREX 11/23/04 COMMENTS

SCALE: AS NOTED
 DRAWN BY: BK
 APPROVED BY: RJS
 DRAWING DATE: 08/31/04
 REF. DWG. DATE: 02/02/04

STAMP

SHEET 1 OF 3
 04J-0078-W1




FIRE ALARM PLAN - 2ND FLOOR
 SCALE: 1/8" = 1' - 0"

SAI inc. SYSTEMS DIVISION
 2595 24TH AVE NORTH
 SAINT PETERSBURG, FLORIDA 33713
 TELEPHONE: (772) 323-4300
 FLA STATE LIC. EF-000295, EF-0001945
 CONTRACTOR: AMERICAN ELEC. SERVICES - TAMPA, FL

CUSCADEN POOL RENOVATION
TAMPA, FLORIDA
FIRE ALARM SYSTEM PLAN

REVISIONS
REVISED 11/7/04 - PER FIRE MARSHAL'S COMMENTS
REVISED 03/09/05 - PER MATRIX 11/23/04 COMMENTS

SCALE: AS NOTED
 DRAWN BY: BK
 APPROVED BY: RJS
 DRAWING DATE: 08/31/04
 REF. DWG. DATE: 02/02/04

STAMP

RECORD DWG.
 DATE 01/26/05

SHEET 2 OF 3
 04J-0078-W2