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0125299002HC	REGISTER	PERMA FIX OF FLORIDA	
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_____	Crimbly, Jeanie	_____	_____
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_____	Holst, Jim	_____	_____
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_____	OUTLAW, Doug	_____	_____
_____	Gaynor, Kathy	_____	_____
_____	Griffin, John	_____	_____
_____	Kocher, Frederick	_____	_____
_____	Kothur, Bheem	_____	_____
_____	Prusty, Rabin	_____	_____
_____	Harold Register	_____	_____

Friday, February 04, 2000

IMAGE QUALITY

AS YOU VIEW THE FOLLOWING
DOCUMENT, PLEASE NOTE THAT
PORTIONS OF THE ORIGINAL WERE OF
POOR QUALITY

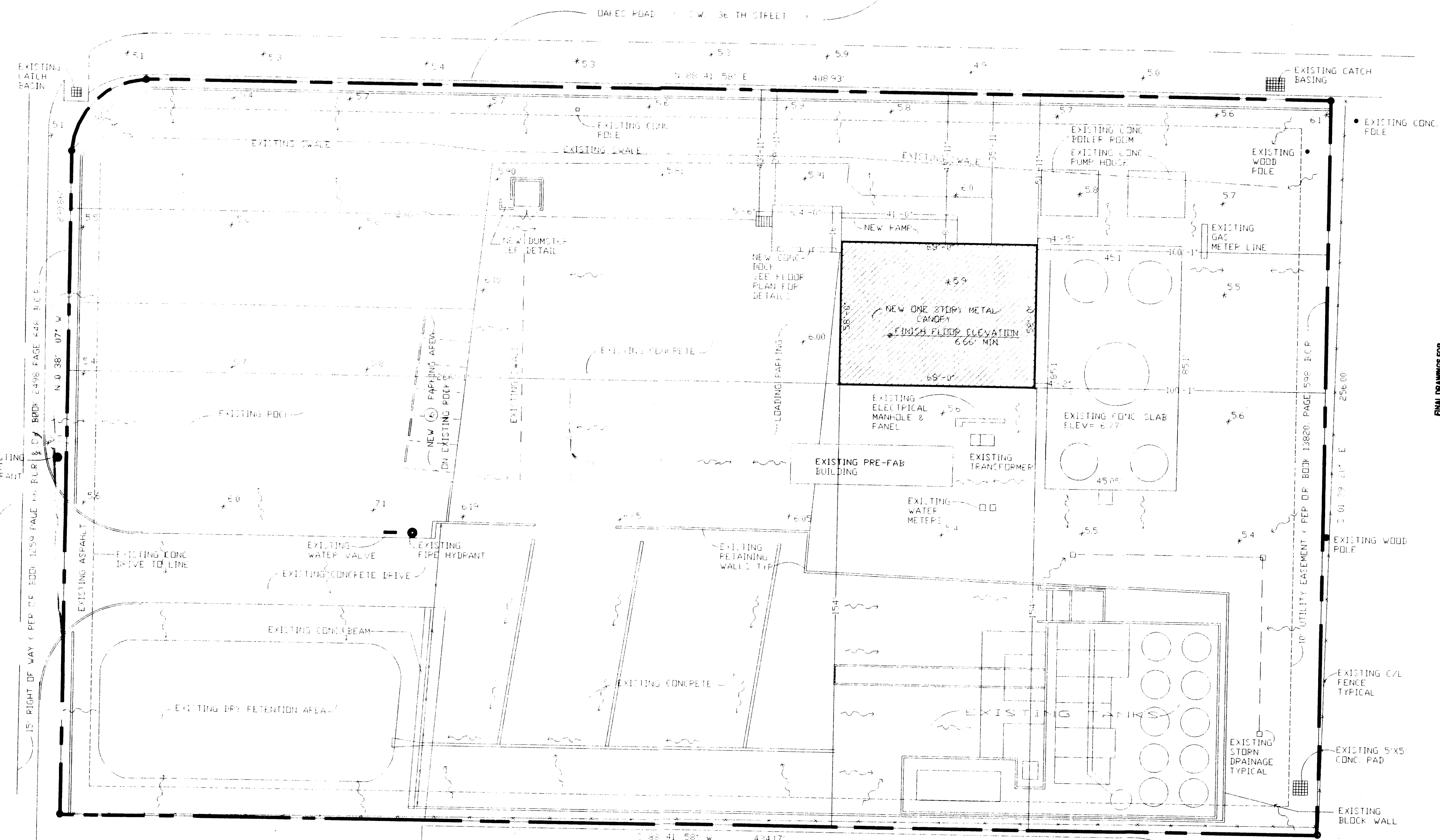
FINAL DRAWINGS FOR CONSTRUCTION



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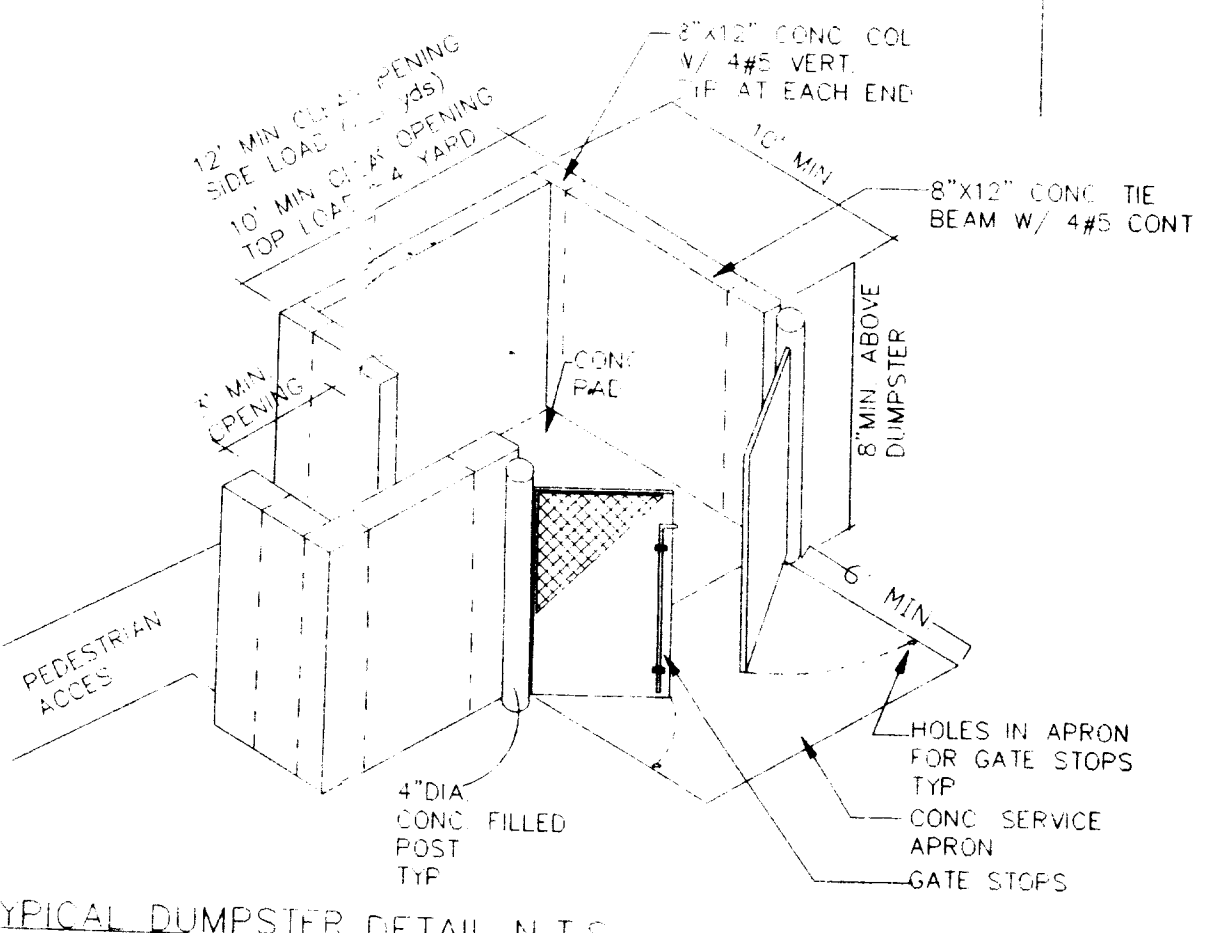
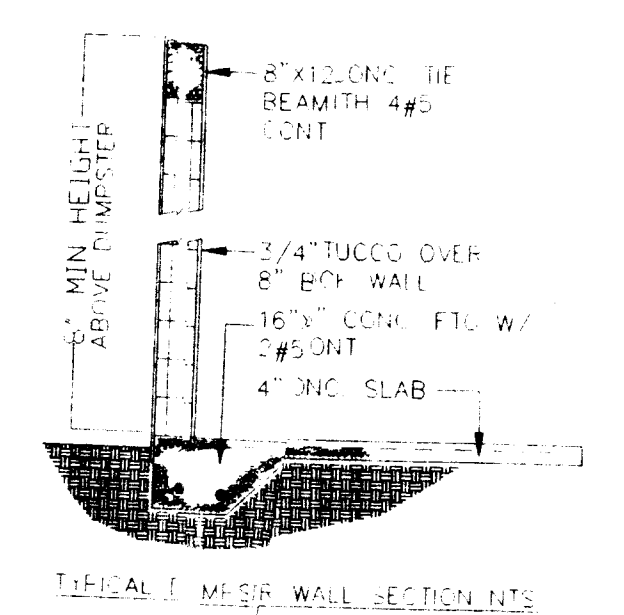
DESIGN-BUILT BY:
G&E INTERPRISES, INC.
 LM ARCHITECTS
 3350 S.W. 15 TH STREET
 DEERFIELD BEACH, FLA. 33442
 (305) 752-9167

PROJECT NO. 13798



- DUMPSTER ENCLOSURE NOTES**
1. DUMPSTER ENCLOSURE TO BE LOCATED AWAY FROM PROJECT ENTRANCE AND AT LEAST 30 FEET FROM RECREATION AREAS.
 2. DUMPSTER ENCLOSURE TO BE LOCATED NO FURTHER THAN 100 FEET FROM BUILDING EXTERIOR POINT OF FROM ANY LANE.
 3. LOCATE TRUCK TO ENCLOSE SO THAT COLLISION VEHICLES DO NOT HAVE TO GO OUT INTO MAJOR ROADS.
 4. ORIENT DUMPSTER TO ALLOW TO PERMIT FULL MECHANICALLY ASSISTED PICK UP BY FRONT END LOADING TRUCKS.
 5. WHEN DUMPSTER AREA TO BE SERVED FROM AN ALLEY, ENCLOSEMENT SHOULD BE ANGLED THIRTY (30) DEGREES AND BE AT LEAST 10 FEET APPROXIMATELY SIX (6) FEET THE INTERIOR OF THE ENCLOSURE IS SO THAT GATES DO NOT OPEN INTO THE ADJACENT TRAFFIC AND SO THAT GATE CLEARANCE CAN BE MAINTAINED.

- NOTES**
1. ENCLOSURE WALLS TO BE FINISHED WITH PLASTERED AND PAINTED SURFACES OR FINISHED WITH OTHER APPROVED MATERIALS.
 2. GATE CONSTRUCTION TO BE FRAMED GATE WITH WOOD OR METAL SLAT. PROVIDE GATE WITH SERIAL.
 3. PROVIDE 14" MIN. CLEARANCE TO SECURITIES WHEN IN OPEN POSITION.
 4. LADS APON REQUIRED ON THREE SIDES.



SITE PLAN 1"=20'

SOFT 110,681 SQUARE FEET 2,5482 +/- ACRES

GROUP F-1 TYPE III UNPROTECTED

CURRENT AND PROPOSED ZONING= M-4

TOTAL SITE AREA	110,681 SOFT	100 %
NEW BUILDING AREA	2,400 SOFT	3 %
EXISTING BUILDING AREA	782 SOFT	0.70 %
EXISTING TANKS AREA	2,356 SOFT	2.14 %
IMPERVIOUS AREA	36,960 SOFT	33.2 %
PERVIOUS AREA	60,181 SOFT	54.50 %

EXISTING DRAINAGE CALCULATION

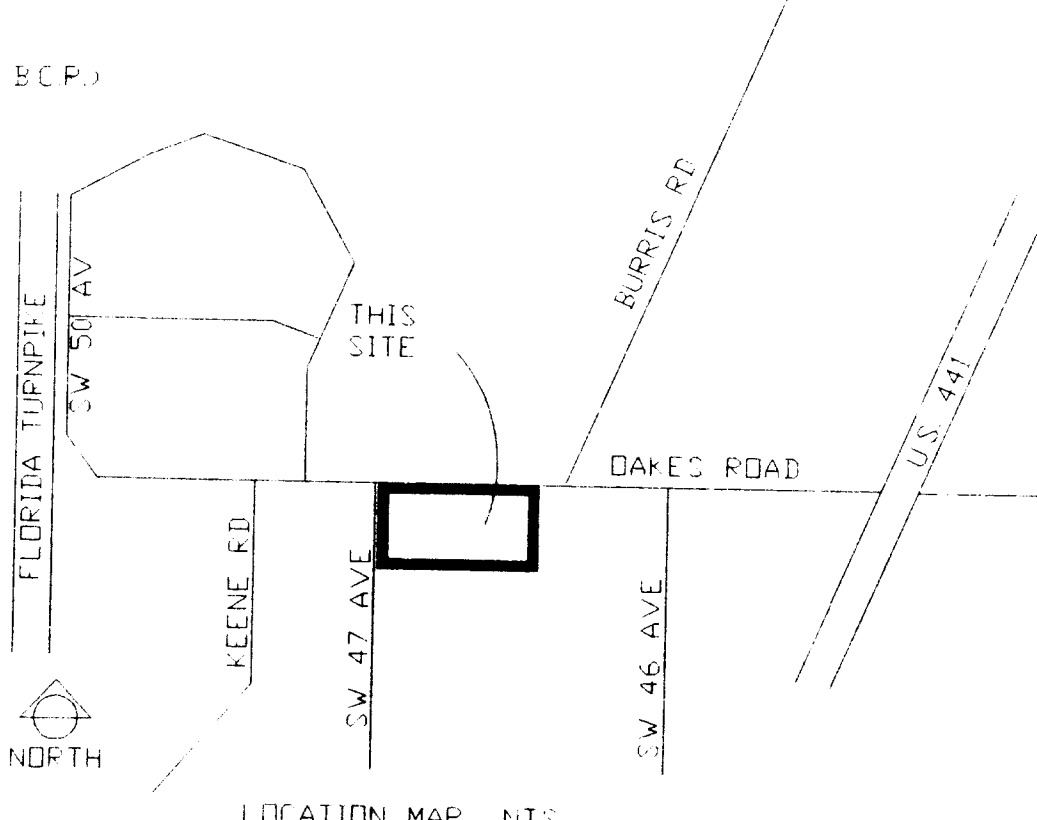
DESIGN CRITERIA: BROWARD COUNTY SURFACE WATER MANAGEMENT REQUIRES ON SITE STORAGE OF THE 1st INCH OF RAINFALL.

NEGLECT SOIL STORAGE WHILE GIVING A 50% CREDIT FOR DRY RETENTION IN SWALES.

REQUIRED STORAGE = 110,681 FT X 1 INCH X 1 FOOT = 9,221 FT³

50% CREDIT FOR DRY RETENTION IN SWALES = 4,612 FT³

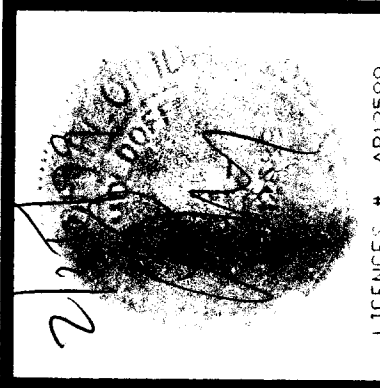
VOLUME OF SWALE STORAGE:
 EXISTING RETENTION POUNDS = 7,500 FT³
 EXISTING SWALES = 5,040 FT³
 TOTAL STORAGE = 12,540 FT³ > 4,612 FT³



LEGAL DESCRIPTION

THE NORTH 167.00 FEET OF TRACT 5 OF JOHN W. NEWMAN'S SURVEY OF SECTION 25, TOWNSHIP 50 SOUTH, RANGE 41 EAST, AS RECORDED IN PLAT BOOK 2, PAGE 26 OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA, LESS THE NORTH 15.00 FEET AND LESS THE WEST 15.00 FEET FOR ROAD RIGHT OF WAY AND LESS THEREFROM THE EAST 195.00 FEET THEREOF AND LESS ALL THAT EXTERNAL AREA LYING NORTH-WESTERLY OF THE ARC FORMED BY A 2500 FOOT RADIUS WHICH IS TANGENT TO A LINE 15.00 FEET EAST OF AND PARALLEL TO THE WEST BOUNDARY OF TRACT 5 SECTION 25, TOWNSHIP 50 SOUTH, RANGE 41 EAST, NEWMAN'S SURVEY, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 2, PAGE 26 OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA AND TARGET TO A LINE 15.00 FEET SOUTH OF AND PARALLEL TO THE NORTH BOUNDARY OF SAID TRACT 5.

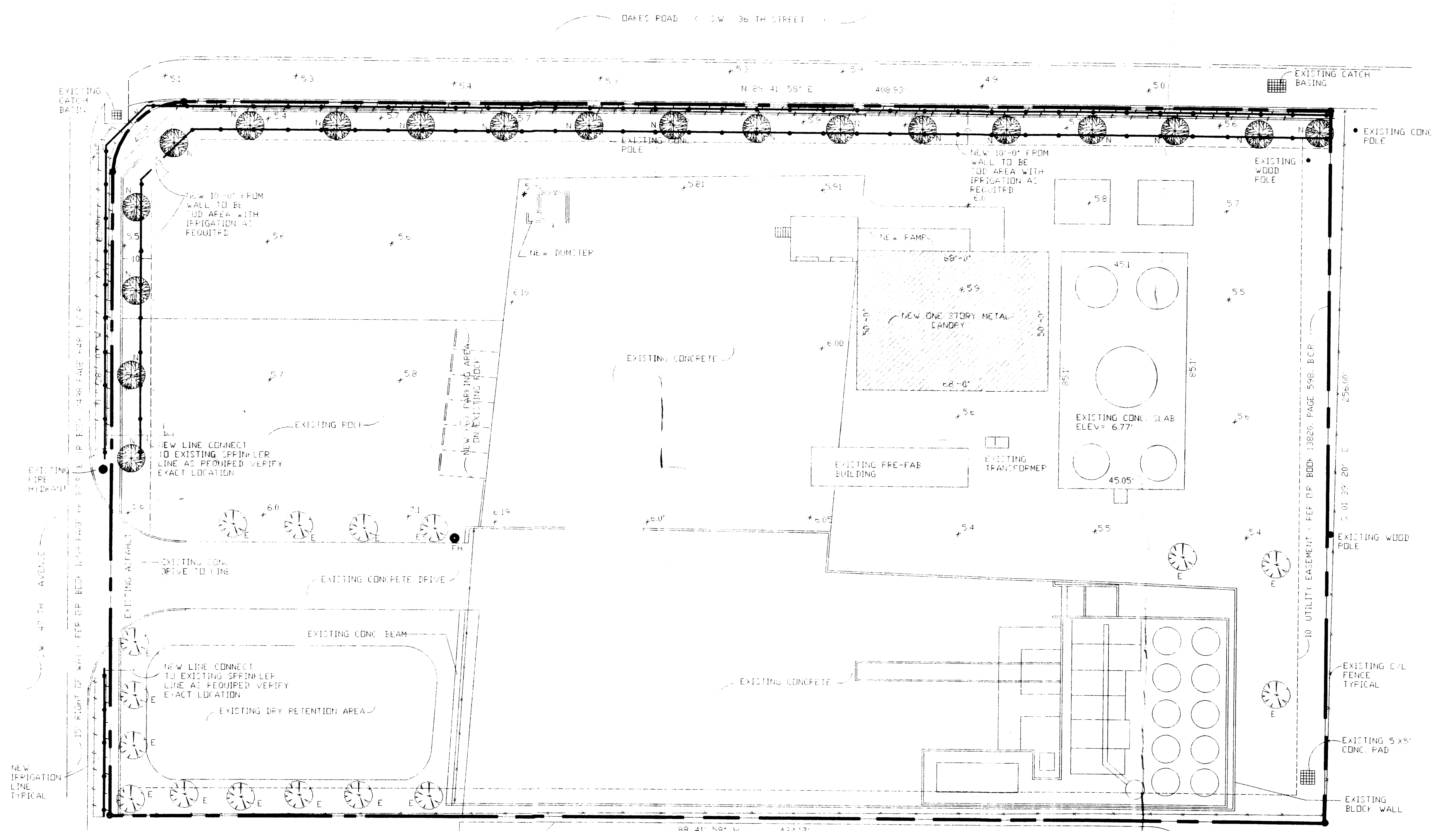
TOGETHER WITH THE SOUTH 104.00 FEET OF THE NORTH 271.00 FEET OF THE TRACT 5, JOHN W. NEWMAN'S SURVEY OF SECTION 25, TOWNSHIP 50 SOUTH, RANGE 41 EAST AS RECORDED IN PLAT BOOK 2, PAGE 26 OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA, LESS THE EAST 195.00 FEET AND LESS THE WEST 15.00 FEET FOR RIGHT OF WAY. SAID LANDS SITUATE LYING AND BEING IN THE TOWN OF DAVIE, BROWARD COUNTY, FLORIDA AND CONTAINING 111,000 SQUARE FEET OR 2,548 ACRES.



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PROJECT NO. 13798



LANDSCAPE PLAN 1"=20' SURVEY PLAN

- CUFT 110,681 SQUARE FEET 2,5492 +/- ACRES
- EXISTING CARROTWOOD TREE
- NEW GREEN BUTTERWOOD/PONGAM 5' SPREAD 3" CALC. TOTAL TREES = 20
- COCO PLUM 30" H FULL AT 20' DC TOTAL TREES = 408

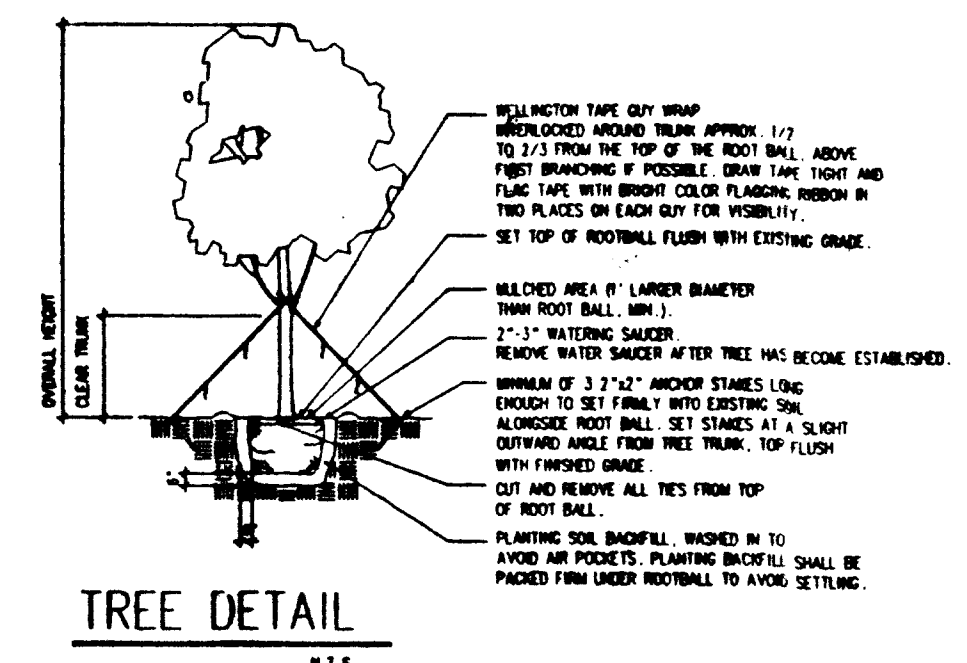
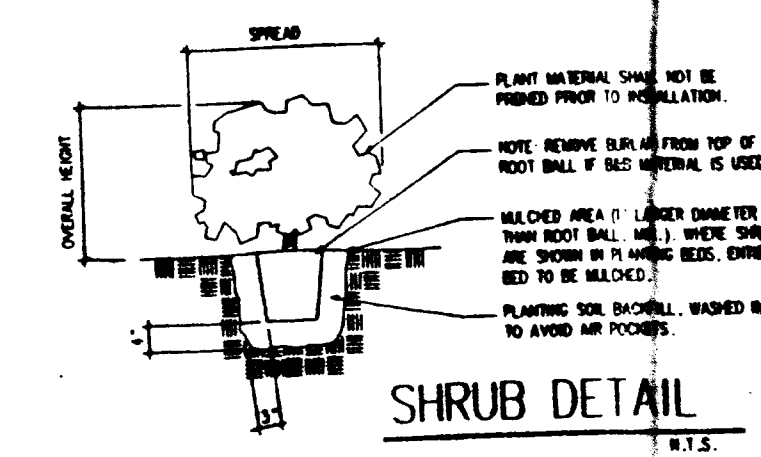
NOTE: REPLACE ALL EXISTING DEAD TREES AND PLANTS AS REQUIRED

NOTE: ALL NEW LANDSCAPE INSTALLED OUTSIDE OR INSIDE FENCE LINE (OR WALL) MUST BE IRRIGATED MULCH AT BASE 3'-0" TREE WELL

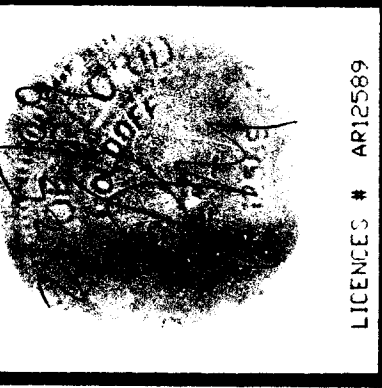
NOTE: ALL OUTDOOR EQUIPMENT MUST BE SCREENED ON 3 SIDES IN 3 FT. SHRUBS PLANTED 24" OC

ANY LANDSCAPE MATERIAL IN REDDED BUFFER MAY NOT BE REMOVED WITHOUT OBTAINING PERMIT FIRST

USE BLACK STRAPPING FOR STAKING



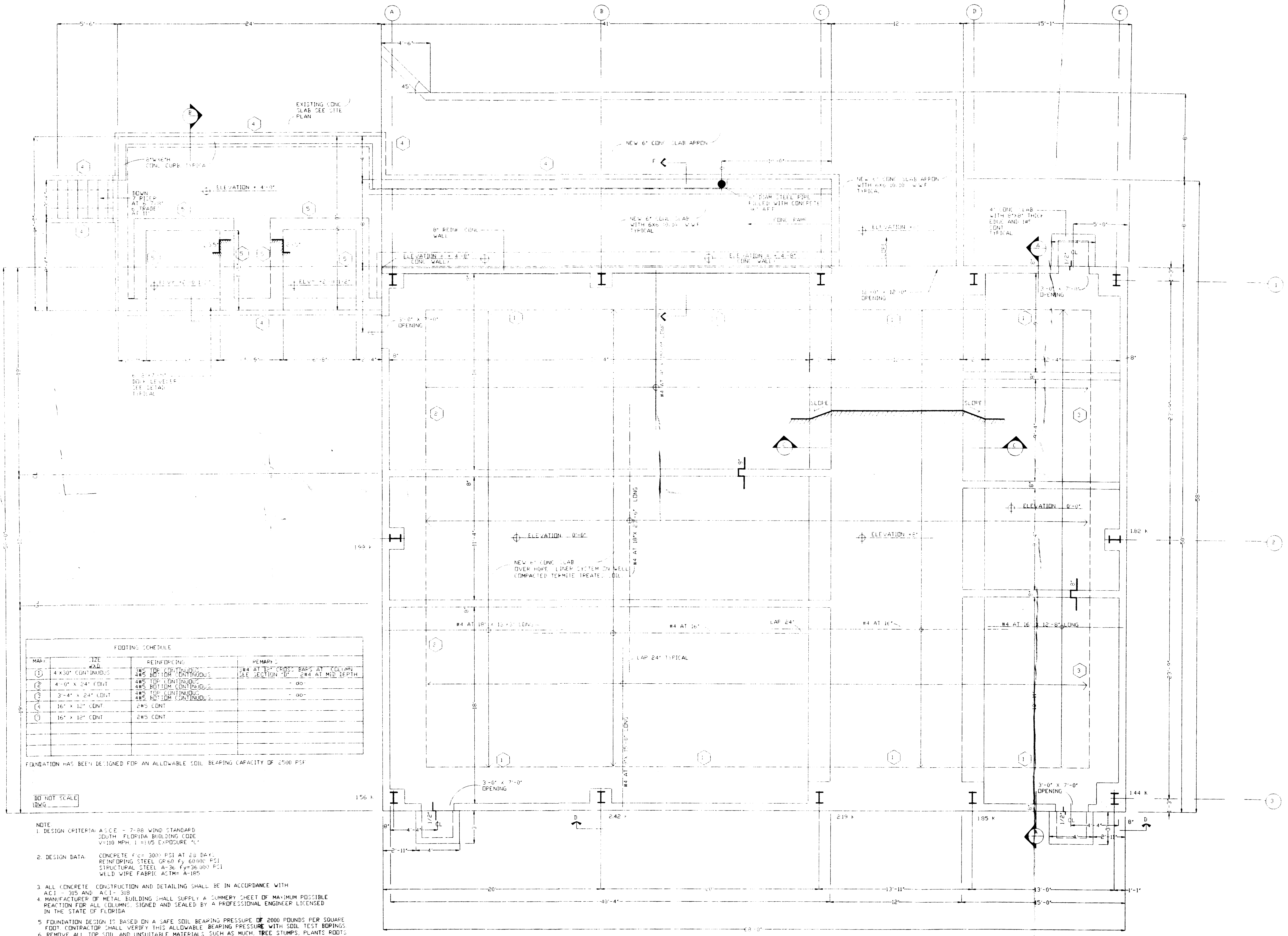
REVISIONS



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DESIGN BUILT
By:
G & E INTERPRISES, INC
LM ARCHITECTS
3850 S.W. 11th Street
Davie, FL 33314
33067
(954) 3440550

REVISIONS
PROJECT NO.
13798



FOOTING SCHEDULE			
NO.	SIZE	REINFORCING	REMARKS
1	4' x 30" CONTINUOUS	#4 TOP CONTINUOUS #4S BOTTOM CONTINUOUS	#4 AT 12" CROSS BARS AT COLUMNS SEE SECTION 12" x 30" AT MID DEPTH
2	4'-0" x 24" CONT.	#4S TOP CONTINUOUS #4S BOTTOM CONTINUOUS	- do -
3	3'-4" x 24" CONT.	#4S TOP CONTINUOUS #4S BOTTOM CONTINUOUS	- do -
4	16" x 12" CONT.	#4S CONT.	
5	16" x 12" CONT.	#4S CONT.	

FOUNDATION HAS BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 2500 PSF

DO NOT SCALE
DWG

- NOTE
- DESIGN CRITERIA: ASCE - 7-88 WIND STANDARD SOUTH FLORIDA BUILDING CODE V-110 MPH, 1-PLUS EXPOSURE 'C'
 - DESIGN DATA: CONCRETE f'_{c} = 3000 PSI AT 28 DAYS, REINFORCING STEEL GR 60, f_y 60000 PSI, STRUCTURAL STEEL A-36, f_y 36000 PSI, WELD WIRE FABRIC ASTM A-185
 - ALL CONCRETE CONSTRUCTION AND DETAILING SHALL BE IN ACCORDANCE WITH ACI - 315 AND ACI - 318
 - MANUFACTURER OF METAL BUILDING SHALL SUPPLY A SUMMARY SHEET OF MAXIMUM POSSIBLE REACTION FOR ALL COLUMNS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA
 - FOUNDATION DESIGN IS BASED ON A SAFE SOIL BEARING PRESSURE OF 2000 POUNDS PER SQUARE FOOT (CONTRACTOR SHALL VERIFY THIS ALLOWABLE BEARING PRESSURE WITH SOIL TEST BORINGS)
 - REMOVE ALL TOP SOIL AND UNSUITABLE MATERIALS SUCH AS MUCH, TREE STUMPS, PLANTS ROOTS, DEBRIS ETC AND REPLACE WITH CLEAN SAND FILL IN 12" LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY
 - ALL REINFORCING SHALL BE FABRICATED AND PLACED ACCORDING TO ACI 318-95 SPECIFICATIONS
 - ALL CONCRETE SHALL BE PLACED ACCORDING TO 1996 EDITION OF SOUTH FLORIDA BUILDING CODE

FOUNDATION PLAN 1/4"=1'-0" NORTH



FINAL DRAWINGS FOR CONSTRUCTION

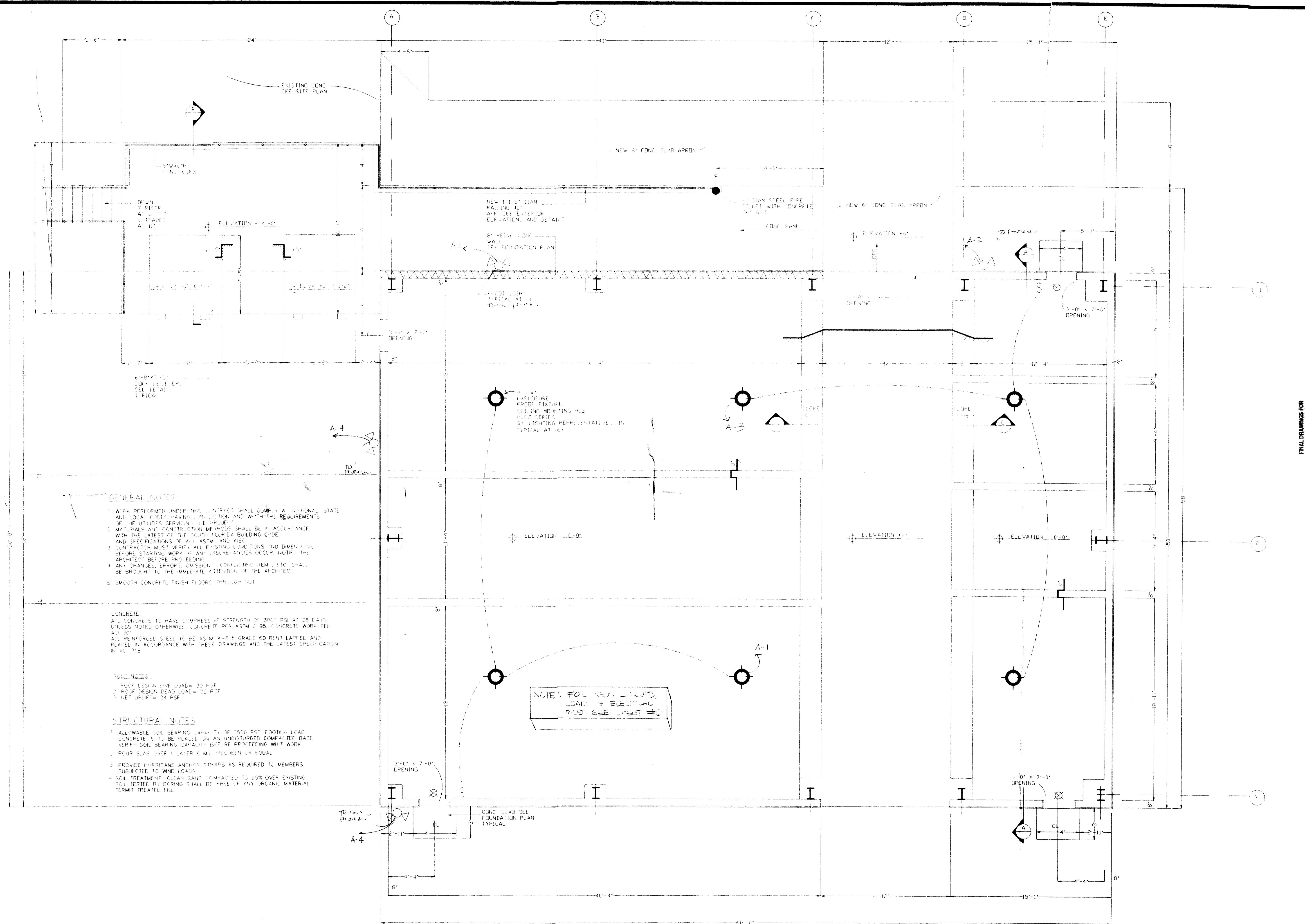
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3350 SW 15 TH STREET BEERFIELD BEACH FLA 33442 (305) 7564967

7436 WILEY ROAD CDRIAL SPRINGS FLA 33067 (352) 3440550

REVISIONS PROJECT NO 13798



- GENERAL NOTES**
1. WORK PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH NATIONAL, STATE AND LOCAL CODES HAVING JURISDICTION AND WITH THE REQUIREMENTS OF THE UTILITIES SERVING THE PROJECT.
 2. MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE LATEST OF THE SOUTH FLORIDA BUILDING CODE AND SPECIFICATIONS OF AISC, ASTM, AND AIA.
 3. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. IF ANY DISCREPANCIES OCCUR, NOTIFY THE ARCHITECT BEFORE PROCEEDING.
 4. ANY CHANGES, ERRORS, OMISSIONS, OR CONFLICTING ITEMS, ETC. SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
 5. SMOOTH CONCRETE FINISH FLOORS THROUGHOUT.

CONCRETE

ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS UNLESS NOTED OTHERWISE. CONCRETE PER ASTM C 95. CONCRETE WORK PER ACI 301.

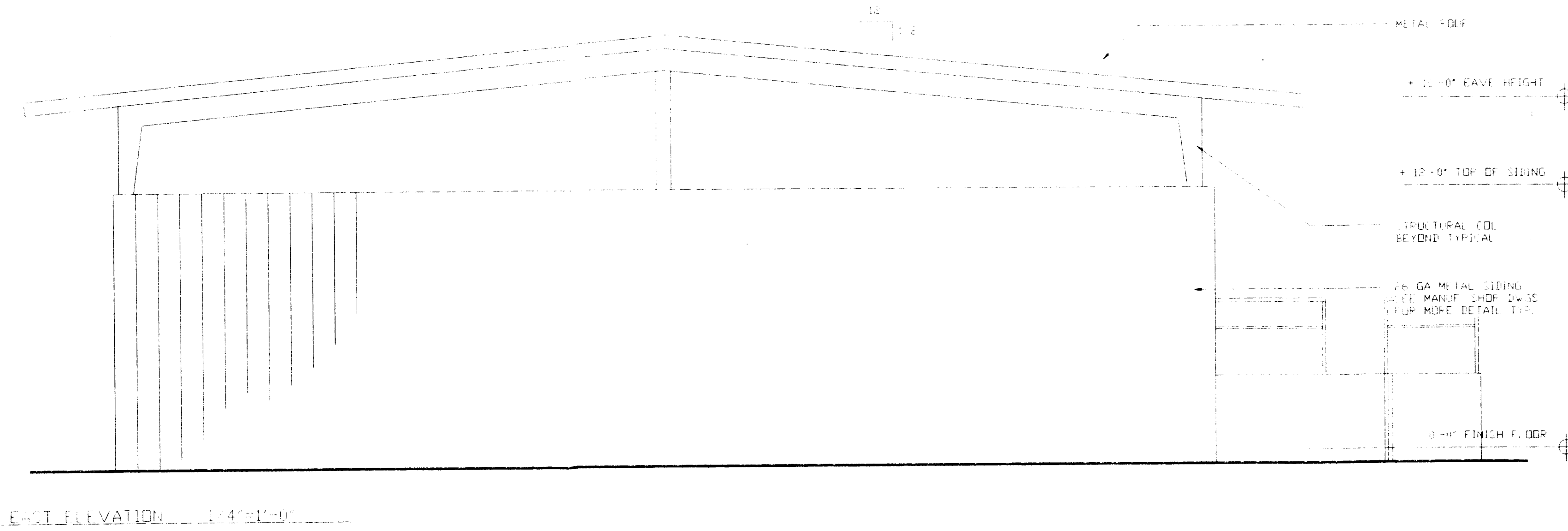
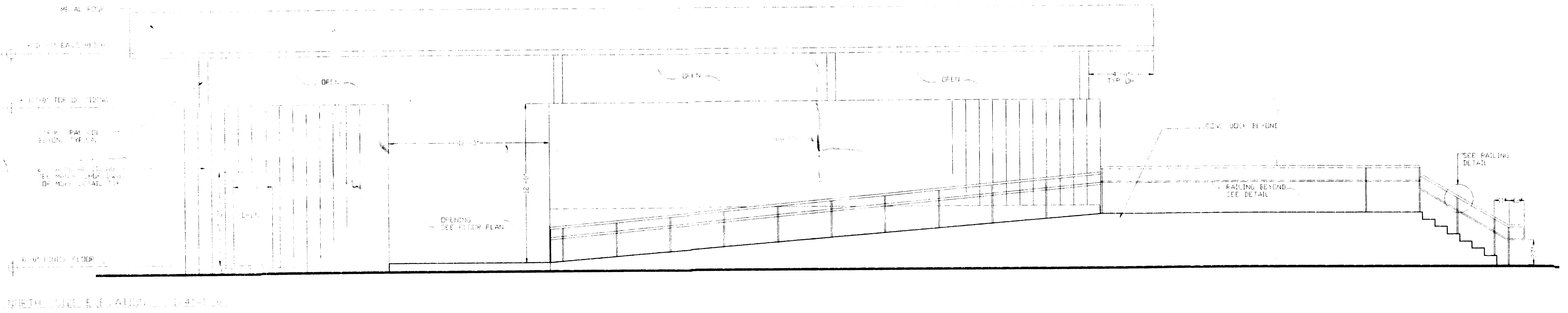
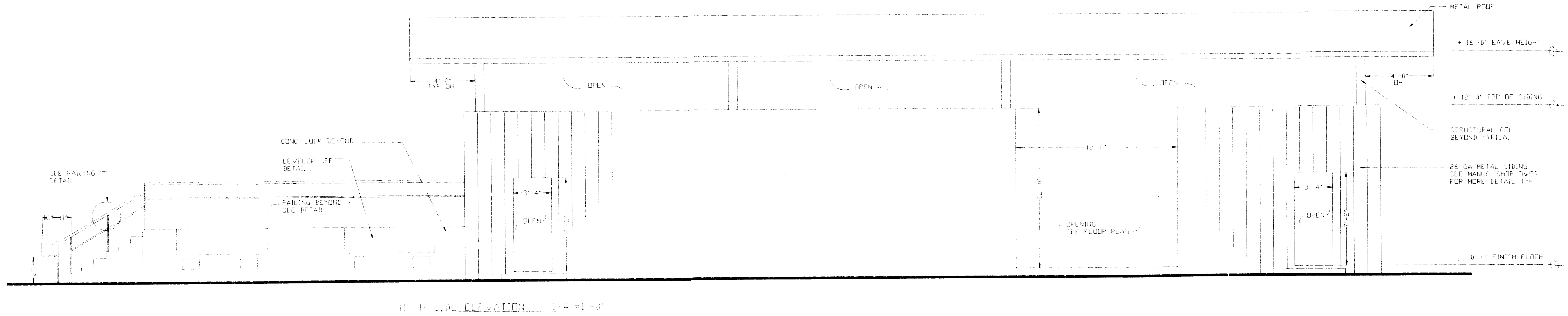
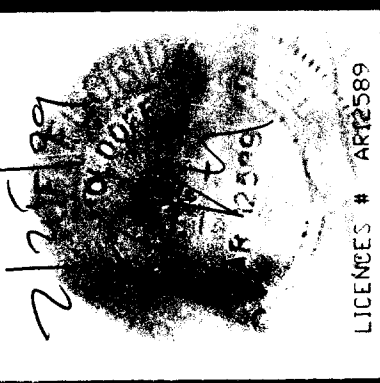
ALL REINFORCED STEEL TO BE ASTM A-615 GRADE 60 RENT LAPPEL AND PLACED IN ACCORDANCE WITH THESE DRAWINGS AND THE LATEST SPECIFICATION IN ACI 318.

- ROOF NOTES**
1. ROOF DESIGN LIVE LOAD= 30 PSF
 2. ROOF DESIGN DEAD LOAD= 20 PSF
 3. NET DRIFT= 24 PSF

- STRUCTURAL NOTES**
1. ALLOWABLE SOIL BEARING CAPACITY OF 2500 PSF FOOTING LOAD. CONCRETE IS TO BE PLACED ON AN UNDISTURBED COMPACTED BASE. VERIFY SOIL BEARING CAPACITY BEFORE PROCEEDING WITH WORK.
 2. POUR SLAB OVER 1 LAYER 6 MIL VISCREEN OR EQUAL.
 3. PROVIDE HURRICANE ANCHOR STAPLS AS REQUIRED TO MEMBERS SUBJECT TO WIND LOADS.
 4. SOIL TREATMENT: CLEAN SAND COMPACTED TO 95% OVER EXISTING SOIL TESTED BY BORING SHALL BE FREE OF ANY ORGANIC MATERIAL PERMIT TREATED FILL.

NOTES FOR NEW DRUMS: LOADS & ELEVATIONS SEE SHEET #0

FLOOR PLAN 1/4"=1'-0" NORTH

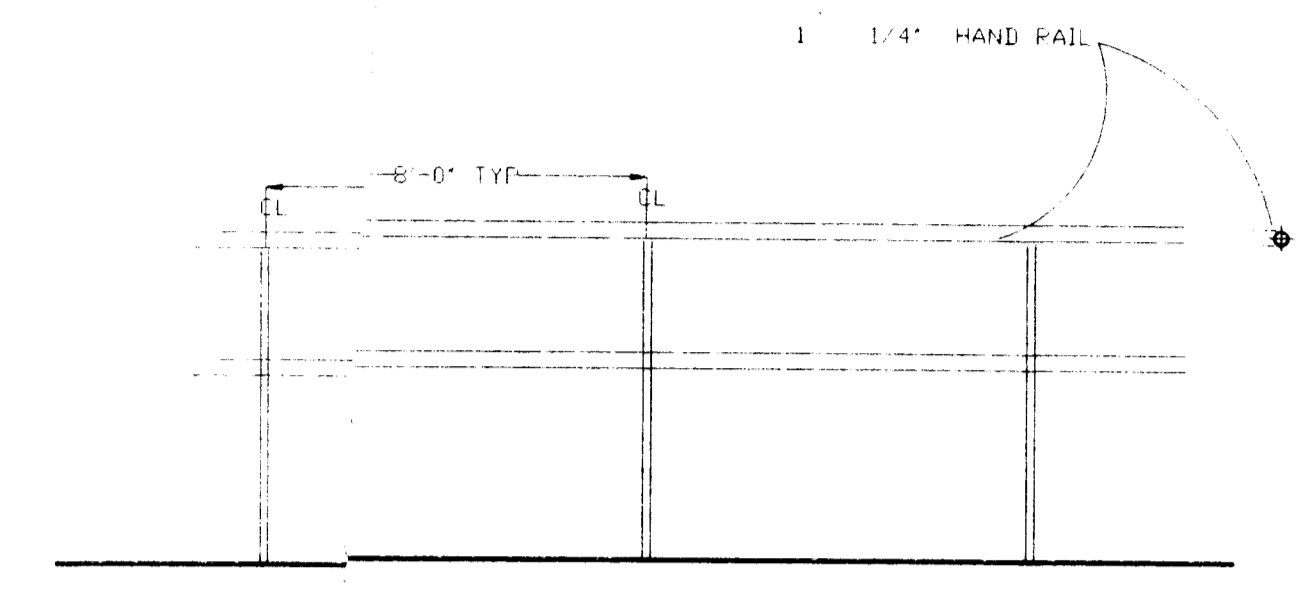
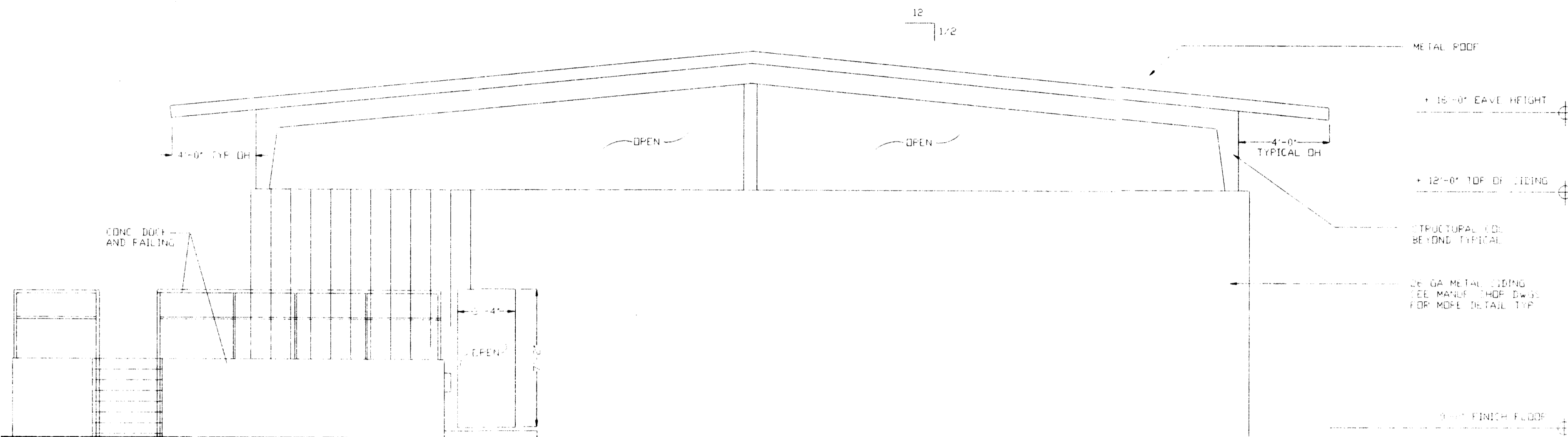




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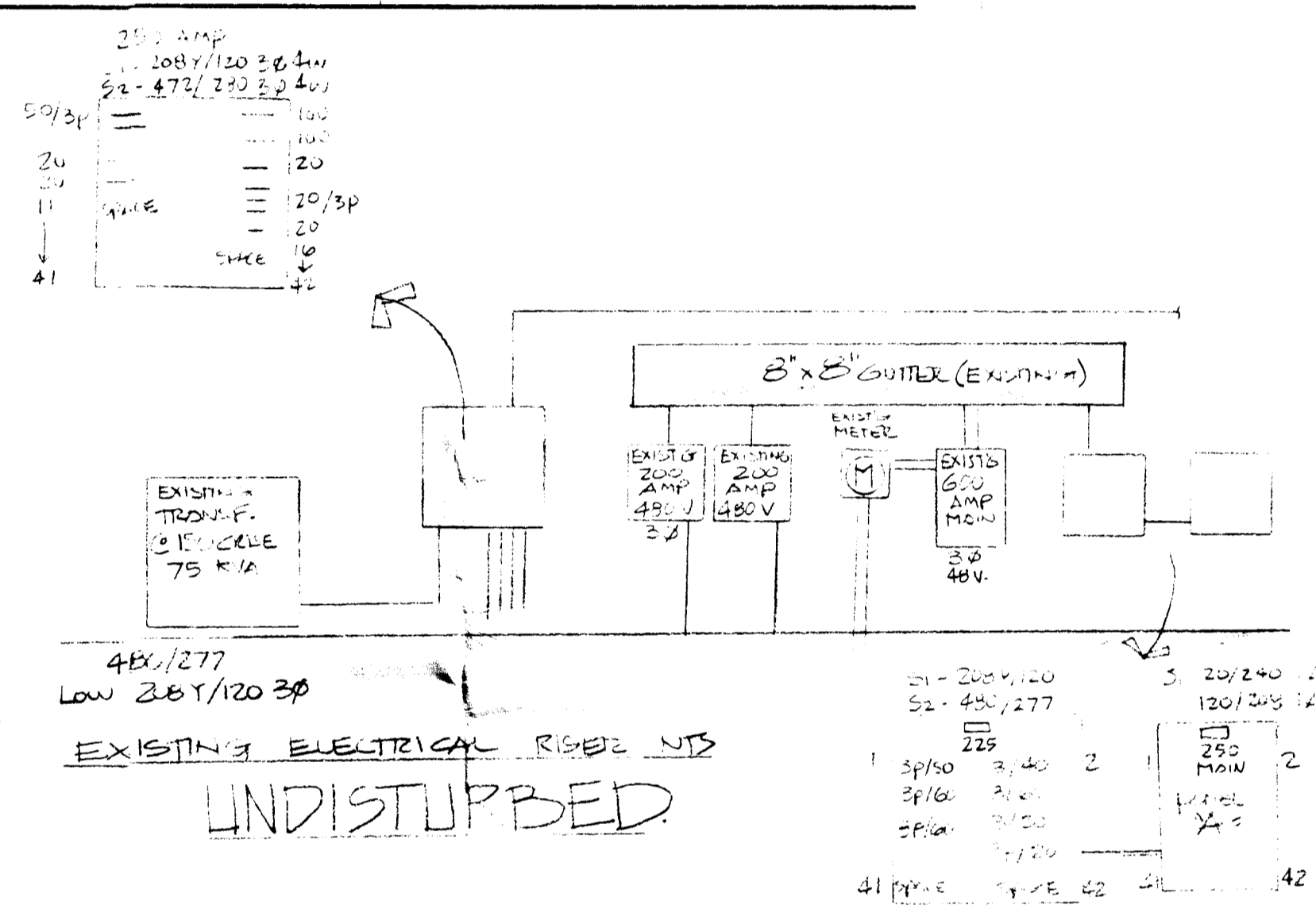
DESIGN BY:
G&E INTERPRISES, INC.
LM ARCHITECTS
2886 S.W. 15 TH STREET
DAVIE, FLORIDA 33414
(305) 752-4967

REVISIONS:
PROJECT NO. 11-000



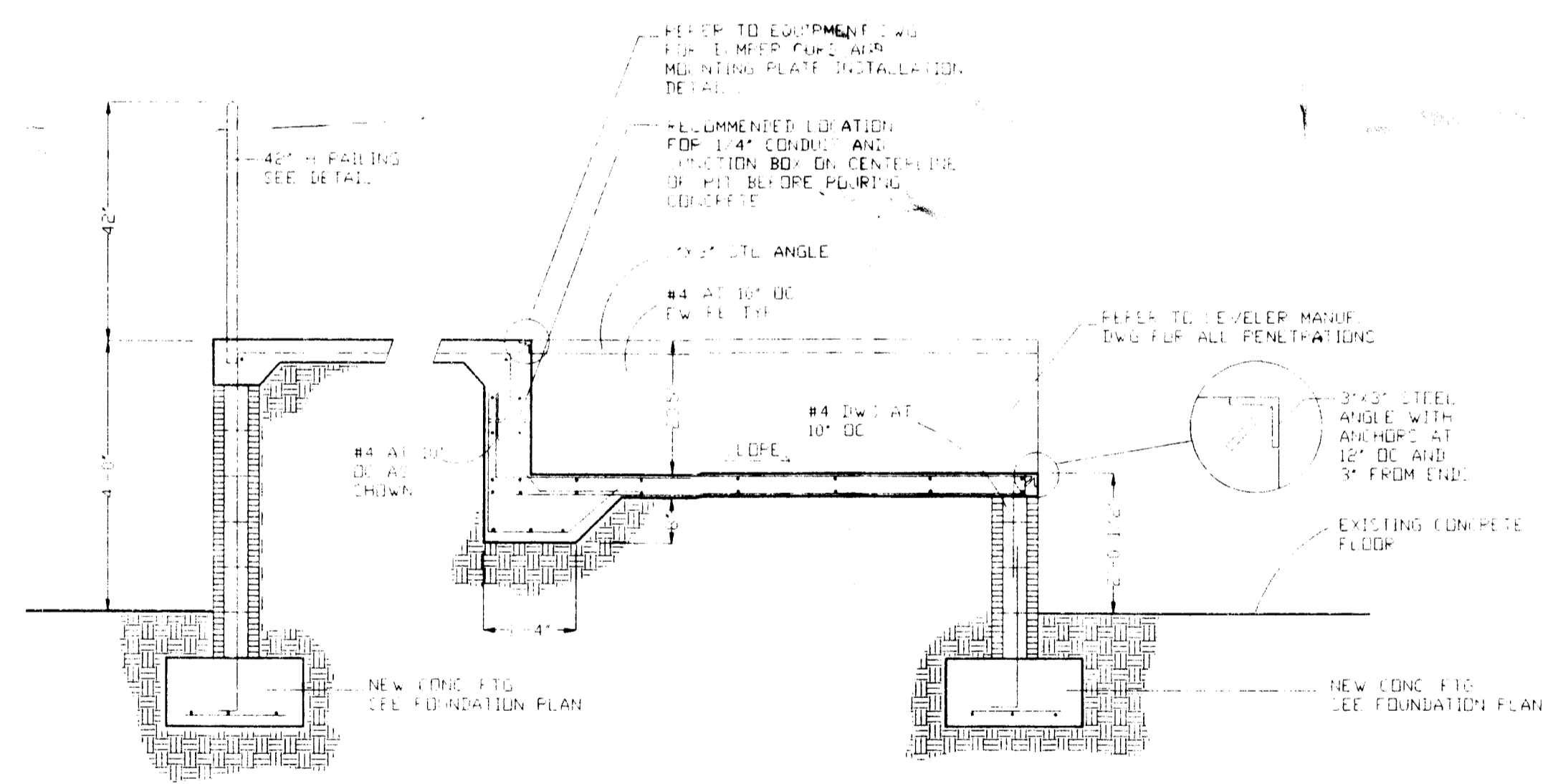
LEVEL RAILING DETAIL 1/2"=1'-0"

WELL ELEVATION 1/2"=1'-0"

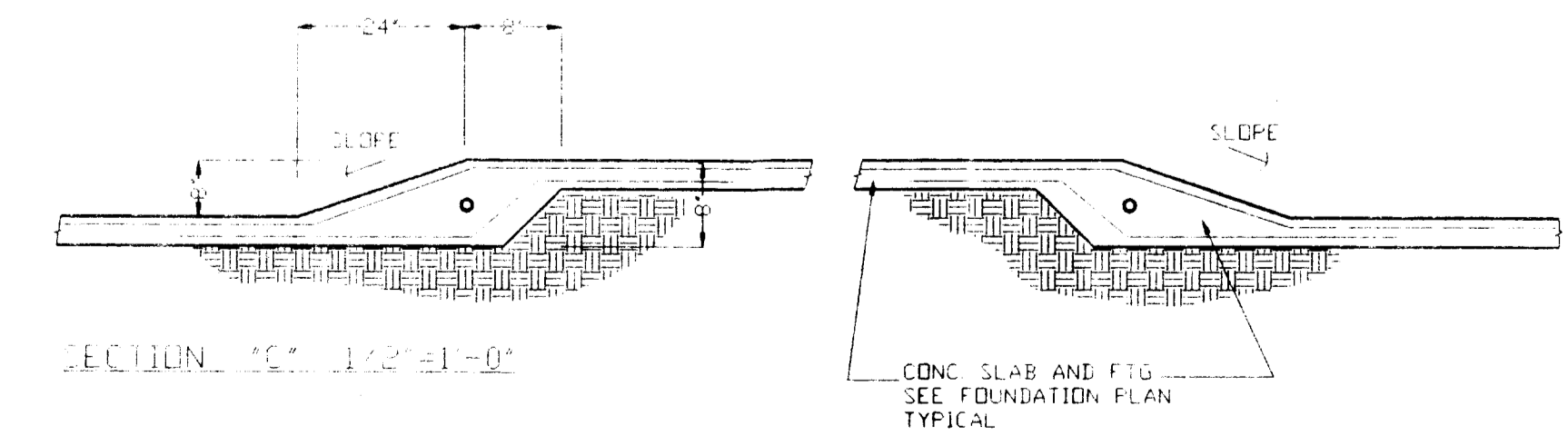


EXISTING ELECTRICAL RISER IS UNDISTURBED

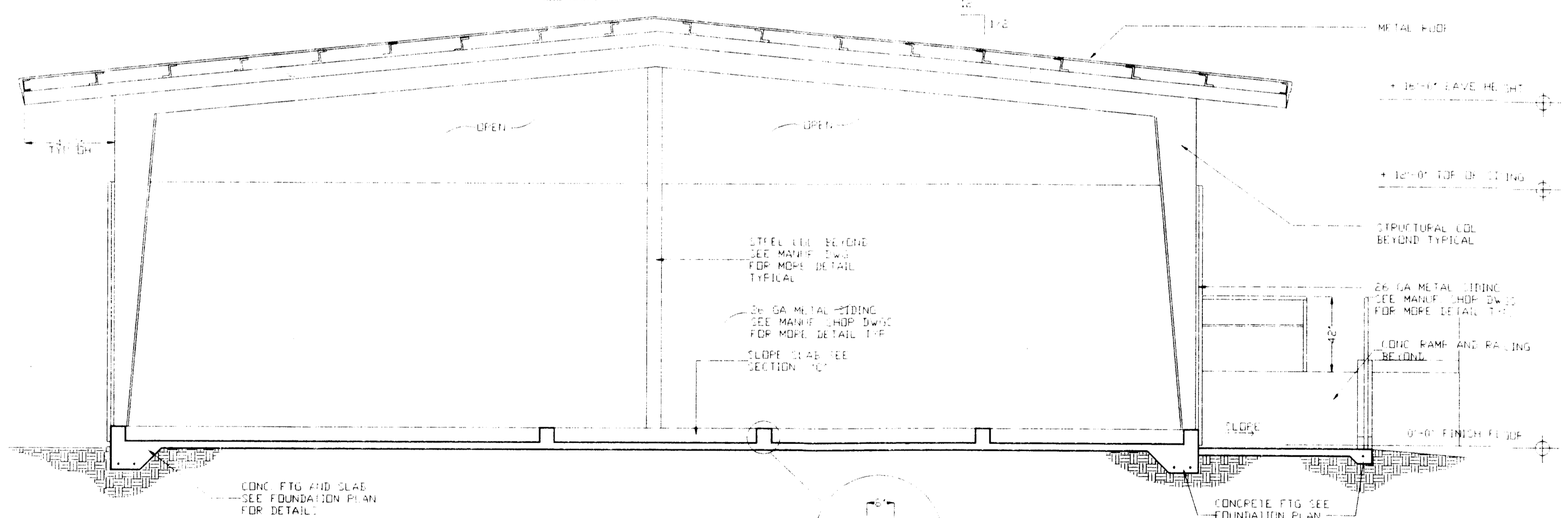
TYPE	NO.	SIZE	CON.	WIRE	REMARKS	IN	OUT	REMARKS	WIRE	CON.	TRIP	IN	OUT	REMARKS
NEW FLOOD	12	20	3/4"	12	NEW FLOOD LTS	2	4	NEW FLOOD LTS	12	1/2	120	400		
NEW FLOOD	12	20	3/4"	12	NEW FLOOD LTS	2	4	NEW FLOOD LTS	12	1/2	120	400		
TOTAL LOADS 3200 W/300 = 8.0 AMP														



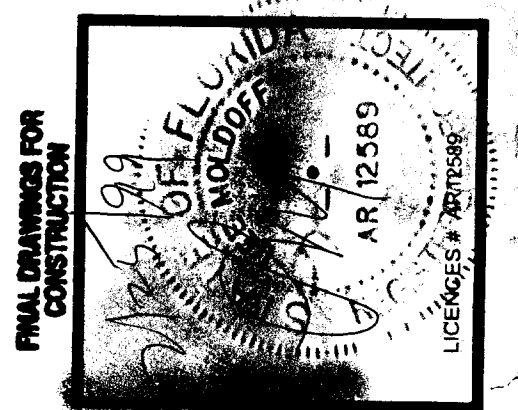
SECTION B 1/2"=1'-0"



SECTION C 1/2"=1'-0"



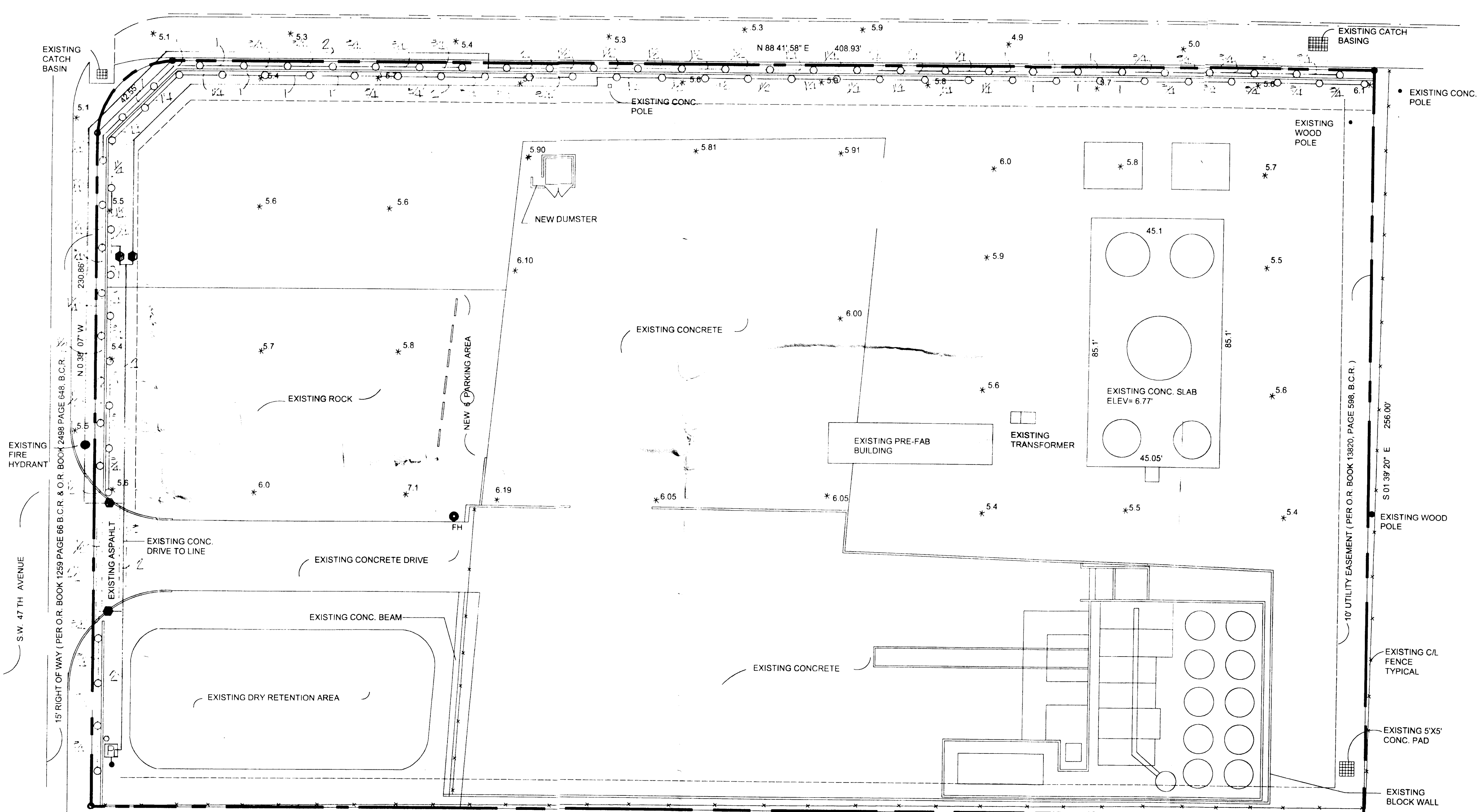
SECTION D 1/2"=1'-0"



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 3350 SW 15 TH STREET DEERFIELD BEACH FLA. 33442
 7436 WILES ROAD CORAL SPRINGS FLA. 33067
 (954) 3440550

PROJECT NO. 1379

OAKES ROAD (S.W. 36 TH STREET)

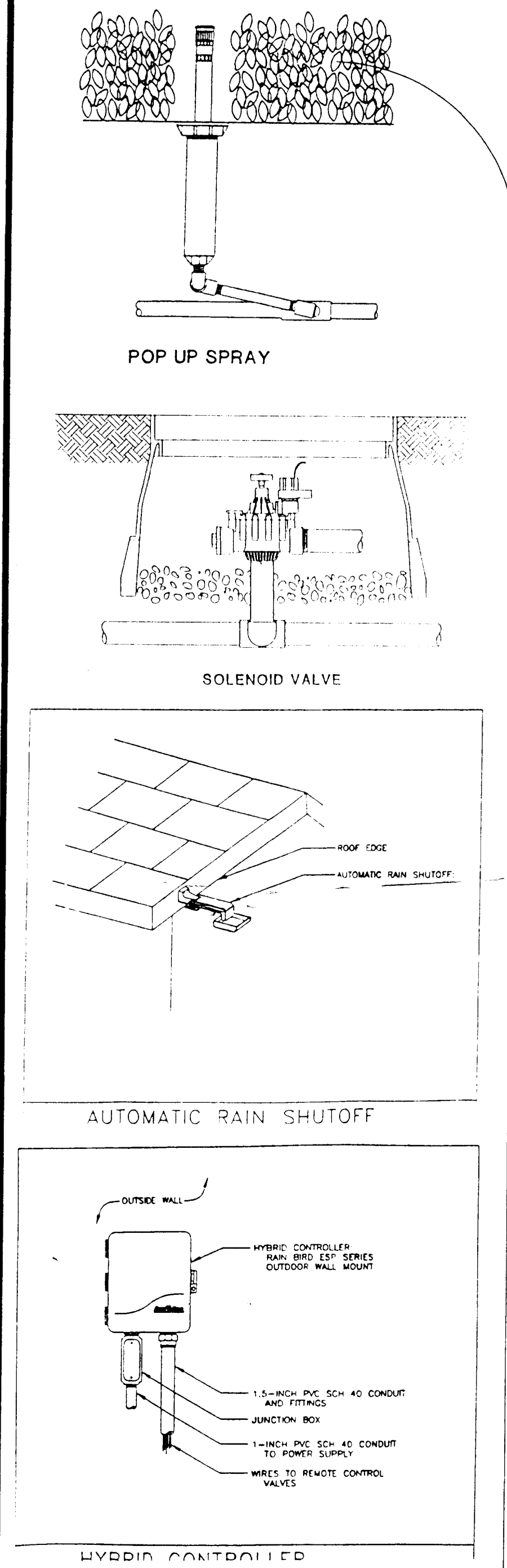
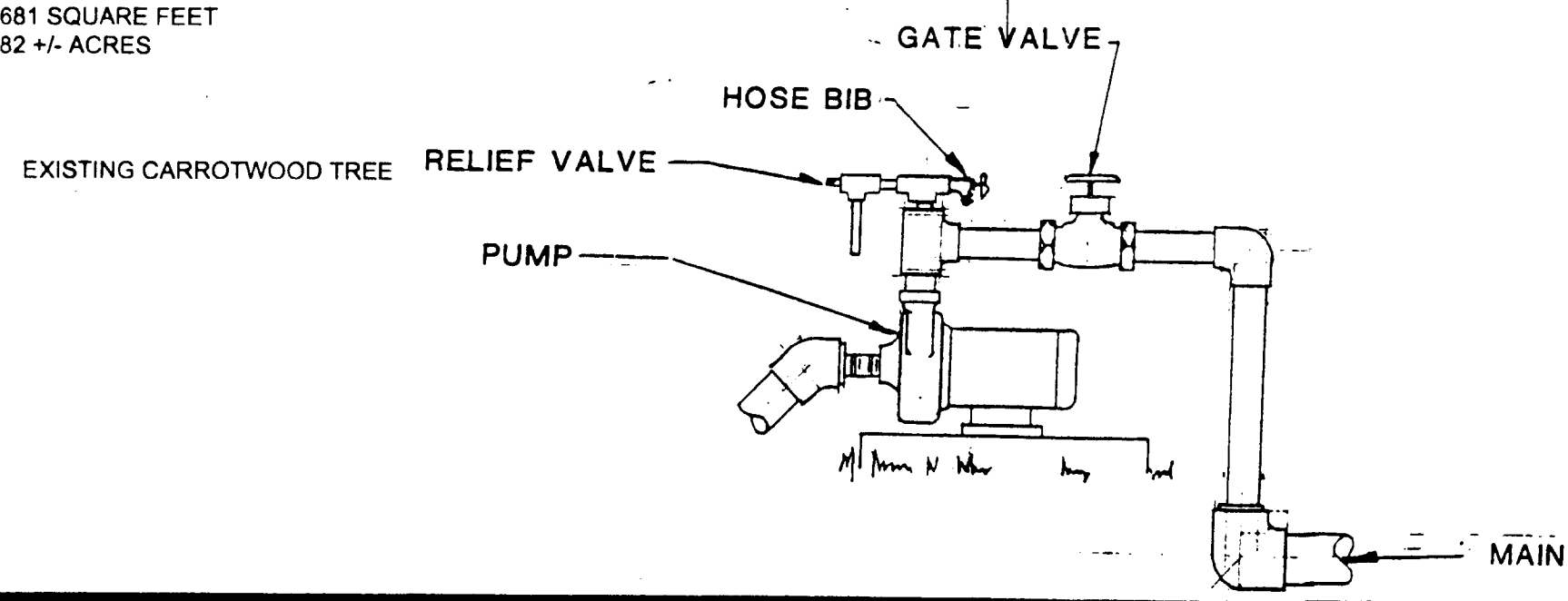


LANDSCAPE PLAN 1"=20'

PARCEL "A" (PLAT BOOK 146, PAGE 10, B.C.R.) J.A.G. PLAT

GENERAL IRRIGATION NOTES

- This design is diagrammatic. All piping, valves, etc., shown within paved areas are for design clarification only and shall be installed in planting areas where possible.
- This system has been designed to conform with the requirements of the applicable codes. Should any conflict exist, the requirements of the codes shall prevail.
- All sprinkler equipment not otherwise detailed or specified shall be installed as per the manufacturer's recommendations and specifications.
- Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted, but substitutions of the larger sizes may be approved. All damaged and rejected pipe shall be removed from the site at the time of said rejection.
- It is the responsibility of the Irrigation Contractor to familiarize himself with all grade differences, location of walls, retaining walls, structures and utilities. The Irrigation Contractor shall repair or replace all items damaged by his work. He shall coordinate his work with other contractors for the location and installation of pipe sleeves and laterals through walls, under roadways and paving, etc.
- Do not willfully install the sprinkler system as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Owner's authorized representative. In the event this notification is not performed, the Irrigation Contractor shall assume full responsibility for any revisions necessary.
- The Irrigation Contractor shall flush and adjust all sprinkler heads and valves for optimum coverage with no overspray onto walks, streets, walls, etc.
- All pipe and wire installed beneath paving shall be sleeved in Class 160 PVC pipe.
- All threaded PVC joints shall be made using Schedule 80 PVC nipple stubs and solvent weld couplings. No threaded adapters will be allowed. All other PVC joints shall be of the same type as the specified pipe, i.e., 'O' ring or solvent weld.
- All above ground piping, except shrub risers, shall be galvanized steel.
- All sprinkler heads with flow rates of 7 gpm or less shall be mounted on flex type swing joints. All sprinkler heads with flow rates greater than 7 gpm shall be mounted on PVC swing joints of the same size as the sprinkler head inlet.
- To eliminate overspray, low angle and variable arc nozzles may be substituted for standard spray nozzles.
- Shrub type heads may be substituted for 6" (or less) pop-up heads as landscaping dictates. Riser extenders may be used on pop-up heads.
- All heads installed adjacent to uncurbed pavement shall be fitted with support flanges.
- All shrub risers shall be Schedule 40 PVC and painted flat or satin black. Risers shall be supported with rebar or angle iron secured by stainless steel clamps.
- This system has been designed to provide 100% coverage with 50% overlap (100% of the radius). All water used for irrigation shall be rust free.



LEGEND

Symbol	Manufacturer	Part Number	Description
●		2" (min)	Supply well capable of producing 40 gpm of water free of sand and debris.
□	F & W	SPJ20P1	2HP pump with controls, suction line and prefabricated concrete enclosure.
□	Rain Bird	ESP-4	Controller (mount in pump enclosure)
●	Rain Bird	150-PGA	1 1/2" solenoid valve with valve box
○	Rain Bird	Rain Check	Rain switch
○	Rain Bird	1804 Series	Pop-up spray head
—		SDR26/Class160	PVC pipe
—		Schedule 40	PVC sleeve
—		#14AWG Type UF	Irrigation wire
Not Shown			

SQFT 110,681 SQUARE FEET
 2.5482 +/- ACRES

