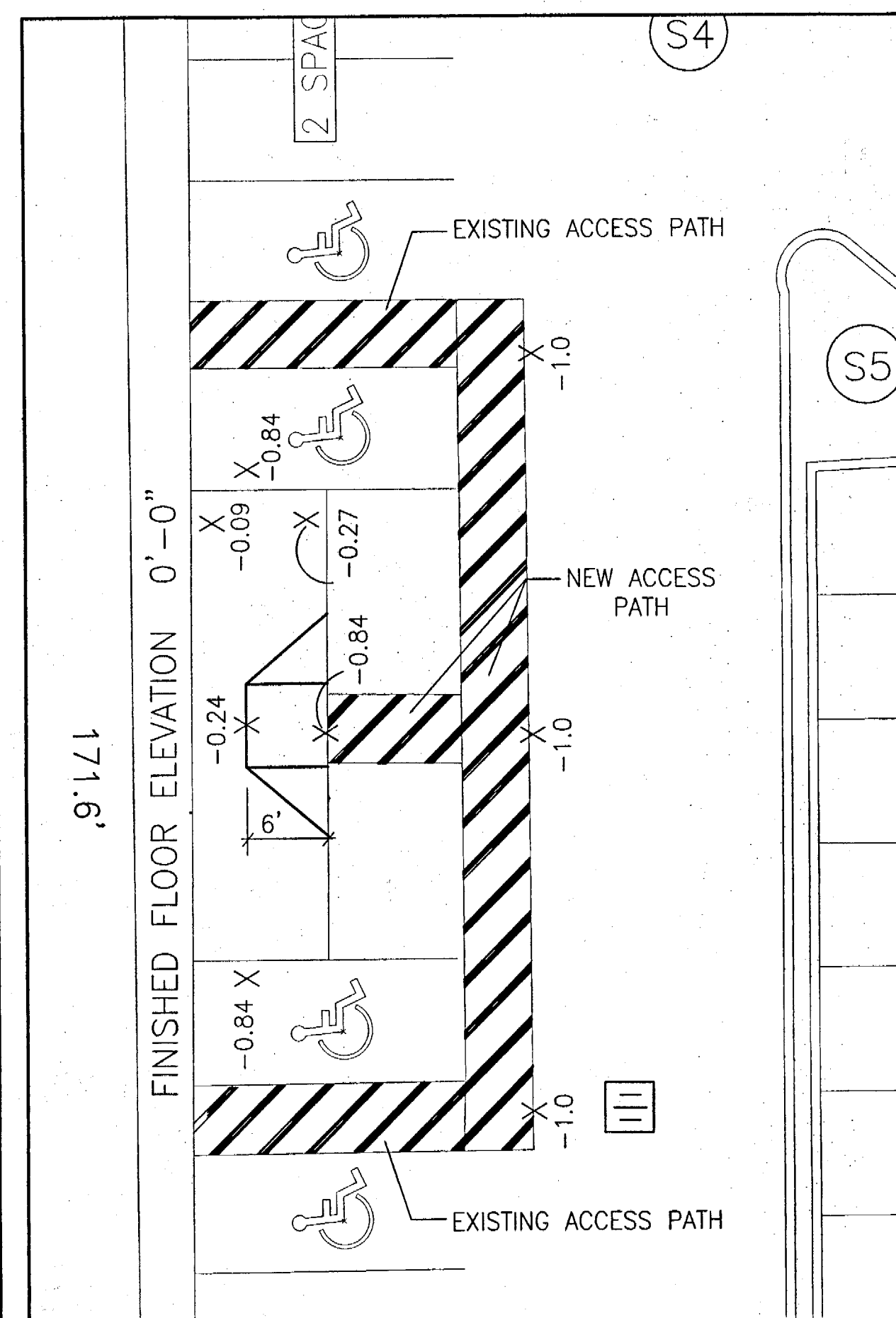


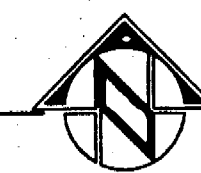
CODE ANALYSIS

ZONING CLASSIFICATION - RETAIL

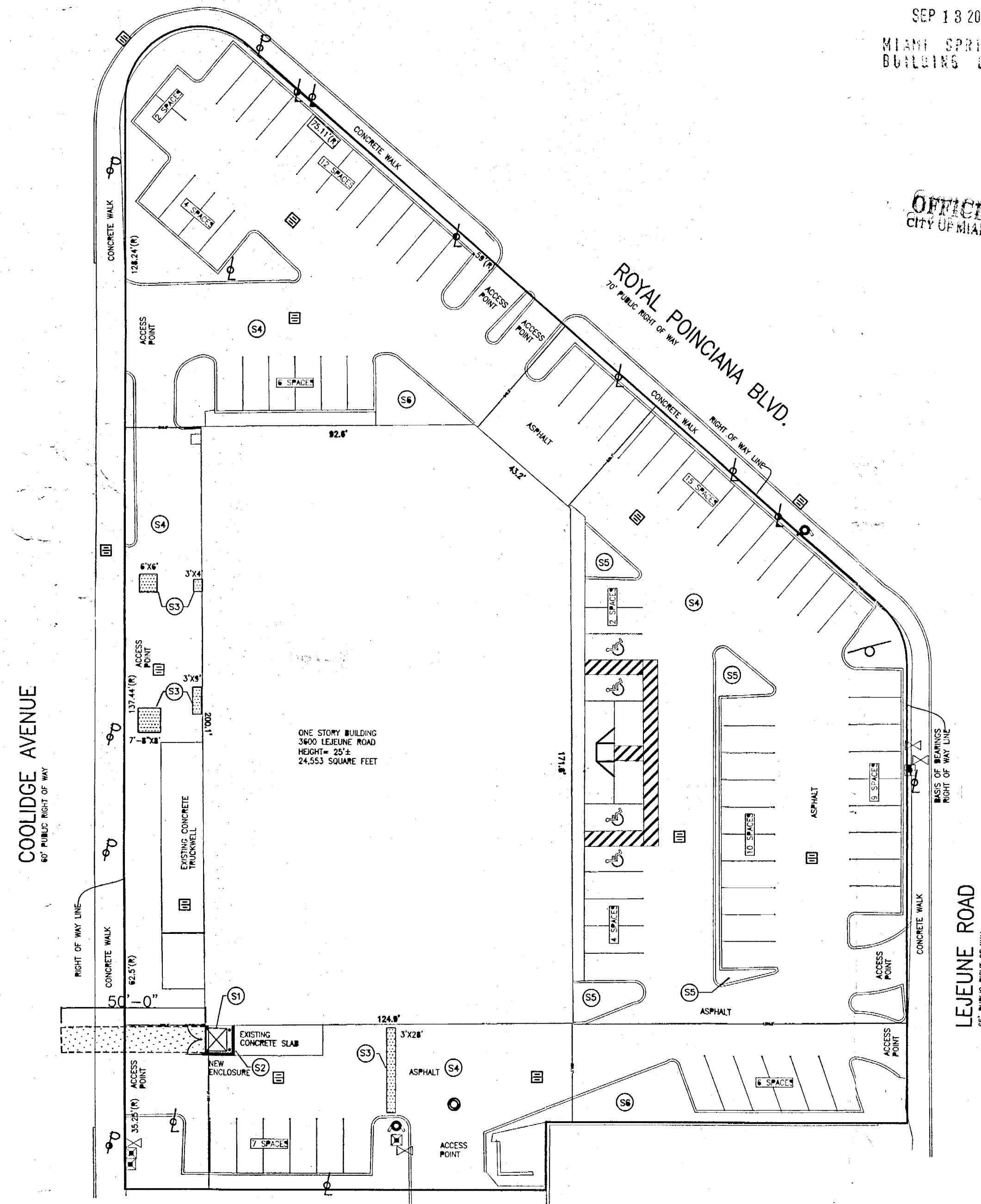
S1	STRUCTURAL DETAILS
----	--------------------



SCALE: $1/10'' = 1' - 0''$



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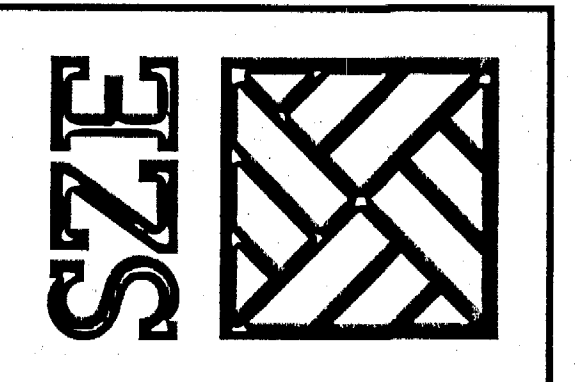


SCALE: 1/30" = 1' - 0"



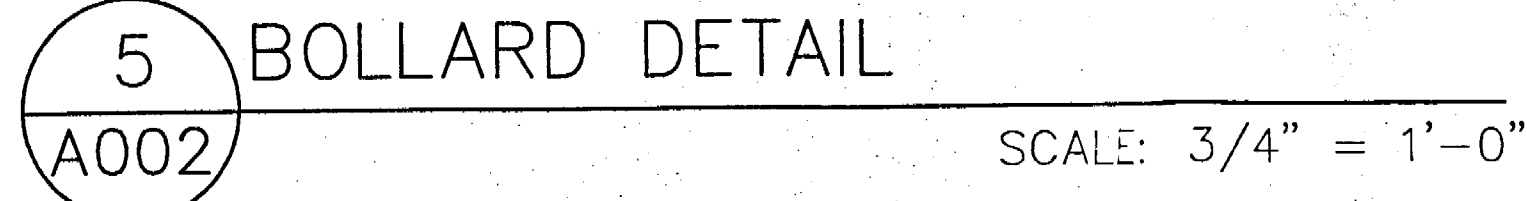
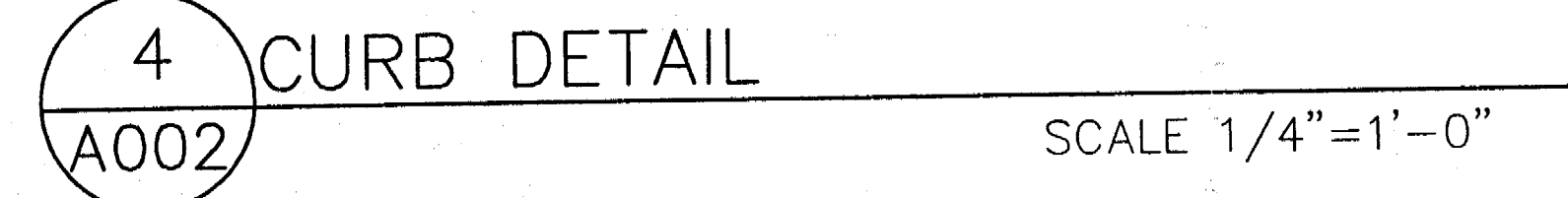
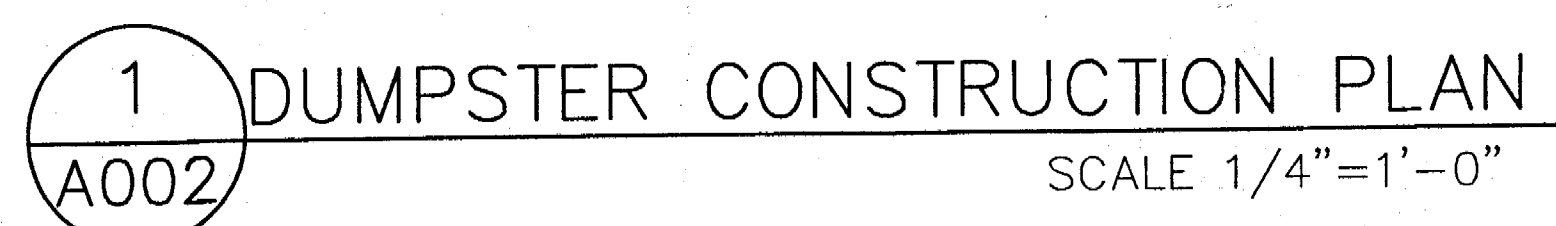
CITY OF MIAMI SPRINGS, FLA.
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PLUMBING INSPECTOR _____
ELECTRICAL INSPECTOR _____
MECHANICAL INSPECTOR _____
ZONING _____
STRUCTURAL _____

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(561) 999-0119 Fax
epstein@bellsouth.net



Drawing No.

A001



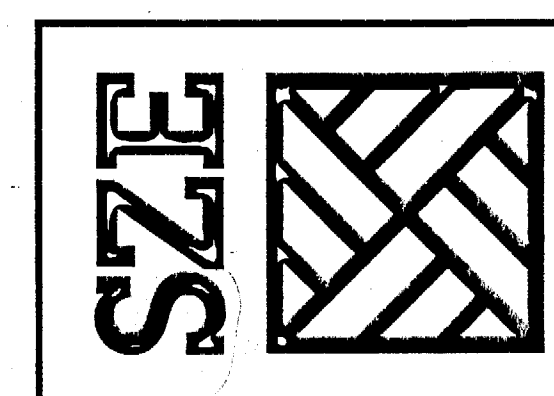
- 1) DUMPSTER LOCATION SHALL MEET ALL REQUIREMENTS OF CITY OF MIAMI SPRINGS.
- 2) ALL CONCRETE SLABS AND DRIVEWAYS ARE EXISTING
- 3) ALL WALLS TO BE CONSTRUCTED OF 8" CONCRETE BLOCK W/SYNTHETIC ACRYLIC EIFS FINISH WITH PAINT TO MATCH BUILDING
- 4) ALL MASONRY WALLS TO BE 6'-6" OR 6" ABOVE DUMPSTER
- 5) ACCESS DOORS TO BE HUNG ON BOLLARDS AT ENDS OF ENCLOSURE WALLS.
- 6) WHEN DOORS ARE OPEN THE UNOBSTRUCTED ACCESS SHALL BE EQUAL TO THE INSIDE WIDTH OF THE ENCLOSURE. NO HINGES OR OTHER ITEMS TO ENCRATCH ON THIS OPENING.

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Lic. #10511

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Miami Springs, FL 33166

Seal

Project Title

ISSUED FOR BID	8/19/11
ISSUED FOR PERMIT	8/19/11

Job Number

Drawing
DUMPSTER ENCLOSURE PLANS
AND DETAILS
Scale AS NOTED
Drawing Date 8/12/11

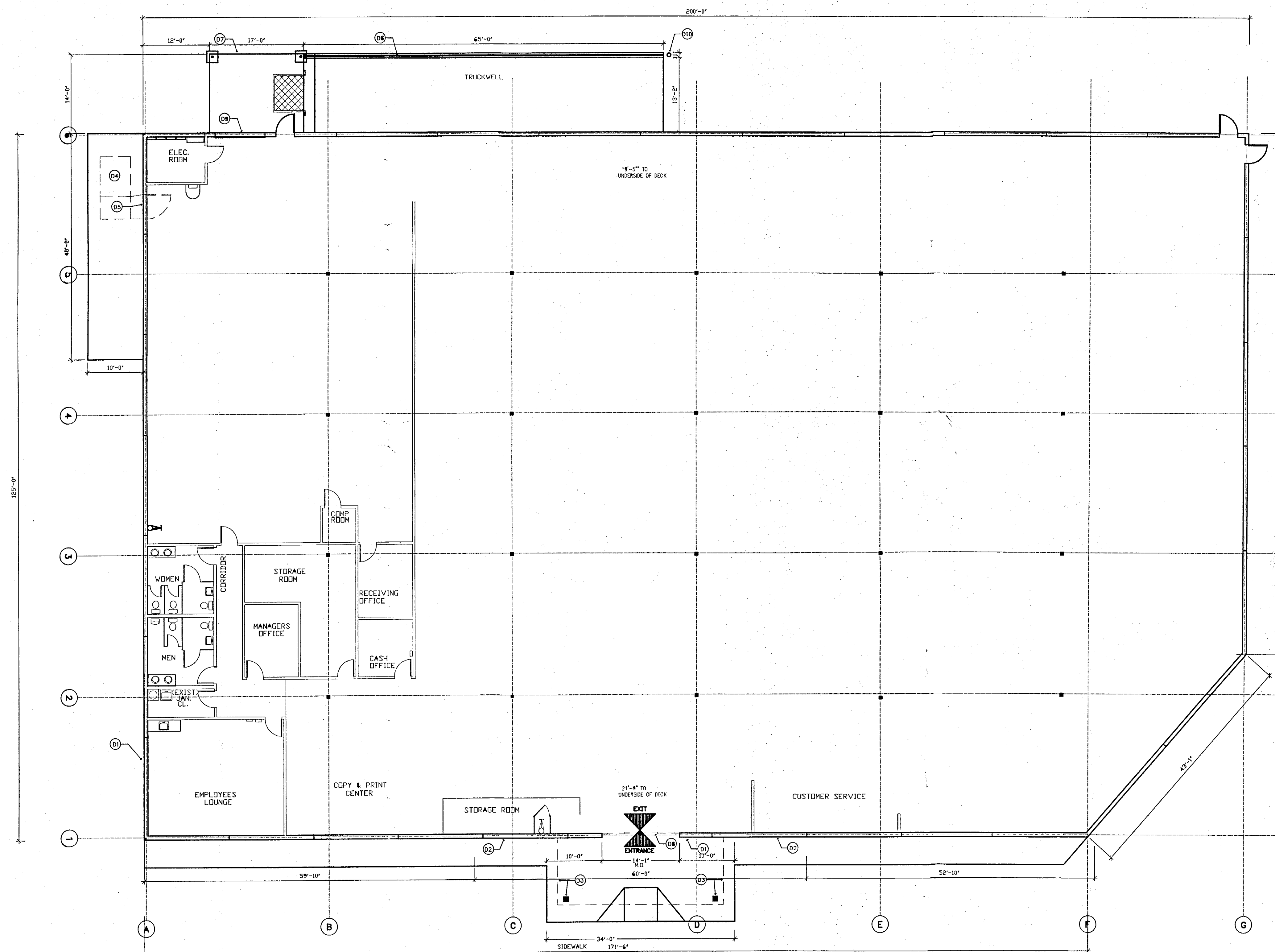
 PLEASE CONSIDER THE ENVIRONMENT
BEFORE PRINTING THESE DRAWINGS.

Drawing No.

A002

DEMOLITION KEY NOTES:

- (D1) REMOVE EXISTING SIGN, RE-USE POWER FOR NEW SIGN IN NEW LOCATION (SEE EXTERIOR ELEVATIONS) PATCH HOLES AT CONNECTIONS AND PREPARE FOR NEW FINISH
- (D2) REMOVE EXISTING STUCCO AND WIRE MESH AT FRONT TILT-UP WALLS, PATCH HOLES AND PREPARE FOR EIFS FINISH
- (D3) REMOVE EXISTING CONCRETE CANOPY STRUCTURE INCLUSIVE OF ROOF, FASCIAS AND COLUMNS - REMOVE CONC. COLUMNS TO A MINIMUM OF 2" BELOW TOP OF CONC. SIDEWALK. PATCH CONCRETE TO CREATE LEVEL SURFACE.
- (D4) REMOVE EXISTING COMPACTOR
- (D5) REMOVE EXISTING FIRE SPRINKLER HEAD AND CAP AT COMPACTOR
- (D6) REMOVE RUST AND TREAT EXISTING RAILING AT TRUCKWELL
- (D7) REMOVE WOOD AT EXISTING TRUCK DOCK CANOPY. REMOVE RUST AND TREAT METAL TO PREPARE FOR NEW FINISH.
- (D8) REMOVE EXISTING GLASS SLIDING ENTRY DOORS
- (D9) REMOVE EXISTING VINYL CURTAIN
- (D10) REMOVE EXISTING BOLLARD

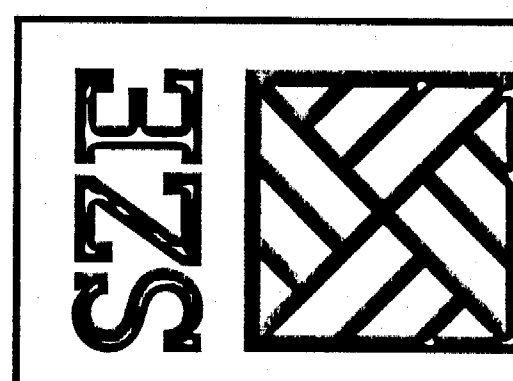


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MECHANICAL INSPECTOR
FIRE INSPECTOR
STRUCTURAL INSPECTOR
8/12/11

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Project Title

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ISSUED FOR PERMIT 8/19/11

Job Number

Drawing
DEMOLITION PLAN

Scale 3/32" = 1'-0"
Drawing Date 8/12/11

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Drawing No.

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CITY OF MIAMI SPRINGS

STORE #0213

D100

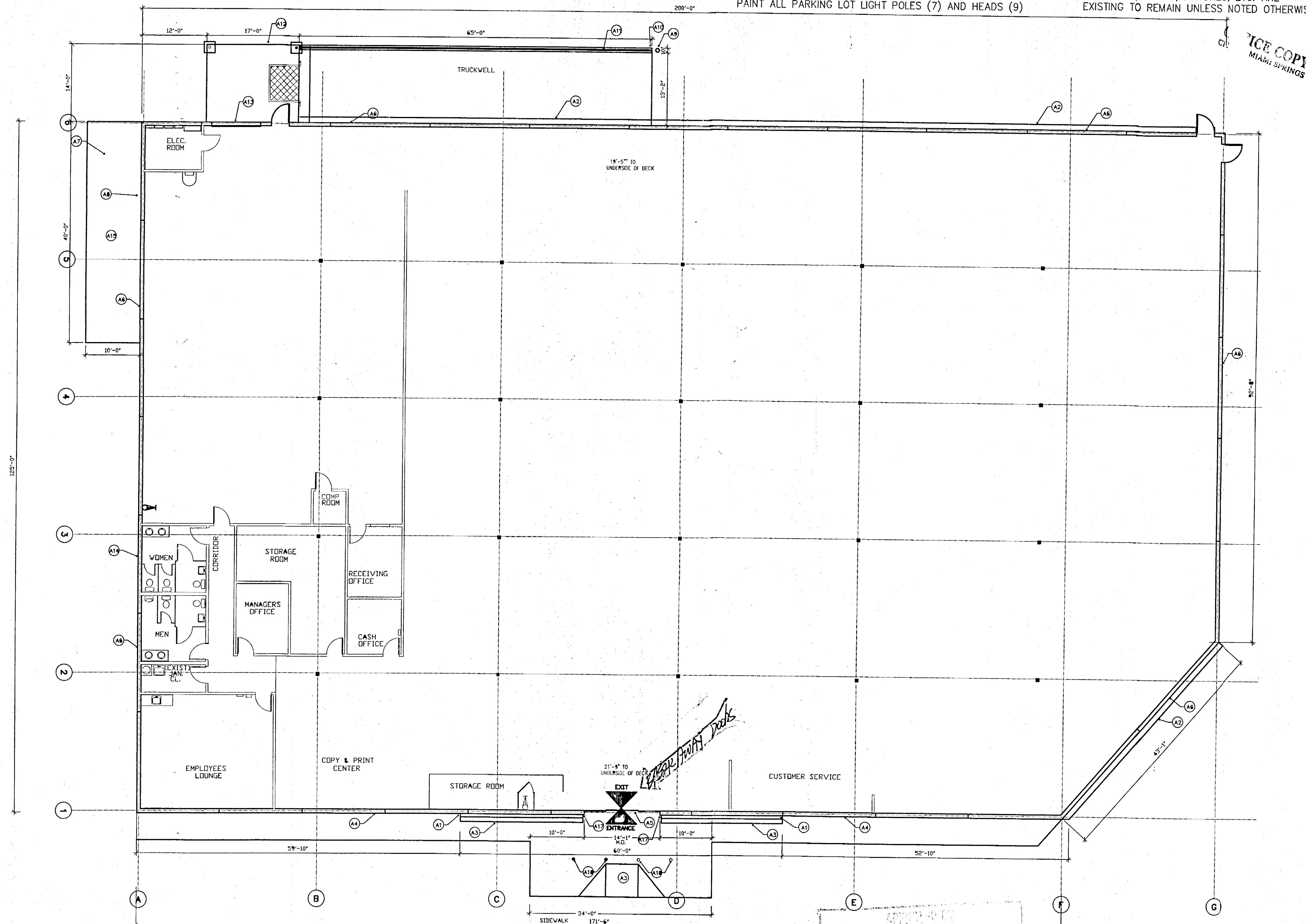
CONSTRUCTION KEY NOTES:

- | | |
|--|--|
| (A1) NEW FACADE, SEE ELEVATIONS, WALL SECTIONS AND STRUCTURAL PLANS FOR MORE DETAILS | (A10) REPAIR WALL AT CORNER. |
| (A2) NEW 8" TALL X 12" WIDE CONCRETE CURB, SEE DETAIL 4/A002 FOR MORE DETAIL | (A11) REPAINT EXISTING RAILING AT TRUCKWELL |
| (A3) NEW 8" TALL X 10" WIDE CONCRETE CURB, SEE SECTION 5/A201 FOR MORE DETAIL | (A12) PAINT DOCK CANOPY AND COLUMNS - TREAT RUST AT EXISTING STEEL PRIOR TO PAINTING |
| (A4) EXISTING TILT-UP WALL, PRESSURE CLEAN AND SPRAY SYNTHETIC ACRYLIC EIFS FINISH OVER PRIMER | (A13) NEW VINYL CURTAIN |
| (A5) NEW IMPACT GLASS SLIDING DOORS TO REPLACE EXISTING | (A14) REPLACE EXISTING EXHAUST FAN HOOD |
| (A6) PAINT EXISTING WALLS NAVAJO WHITE. | (A15) EXISTING RAISED CONCRETE SLAB TO REMAIN |
| (A7) LOCATION OF NEW DUMPSTER AND ENCLOSURE - REFER TO SITE PLAN FOR MORE DETAILS | (A16) EXISTING SLOPED RAMP TO REMAIN |
| (A8) WELD STEEL PLATE OVER EXISTING OPENING OF COMPACTOR. | (A17) LEAVE 3" BETWEEN TOP AND SIDES OF ENTRY DOOR AND NEW FACADE |
| (A9) REPLACE BOLLARD | (A18) NEW BOLLARDS - SEE DETAIL 5/A002 |

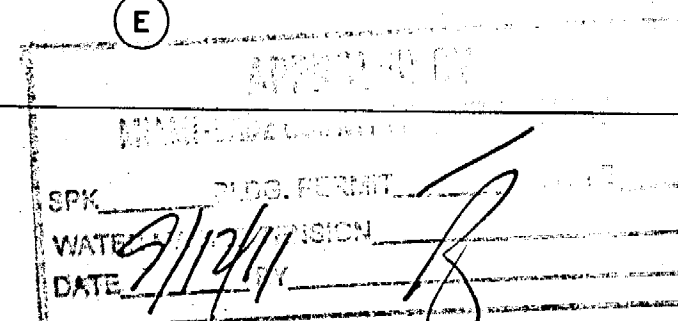
CONSTRUCTION NOTES:

NEW BUILDING SIGNS BY OWNER - UNDER SEPARATE PERMIT
PAINT ALL PARKING LOT LIGHT POLES (7) AND HEADS (9)

ALL WALLS, DOORS, FIXTURES, ETC. ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE



STORE #0213



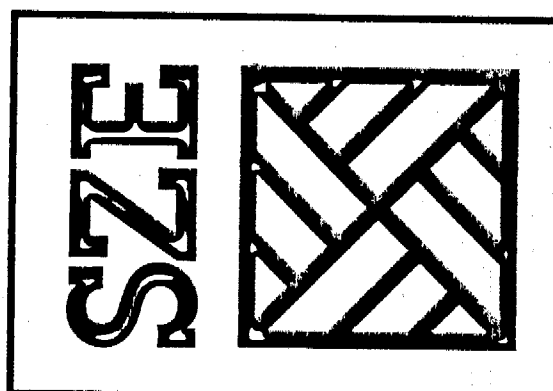
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BUILDING DEPARTMENT
PLUMBING INSPECTOR
ELECTRICAL INSPECTOR
MECHANICAL INSPECTOR
ZONING
STRUCTURE

EXISTING PORTIONS OF BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF EXISTING OCCUPANCIES, MOST PART IN THE FLORIDA FIRE PREVENTION CODE.

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8/19/11
8/19/11

Job Number

Drawing
FLOOR PLAN

Scale 3/32" = 1'-0"

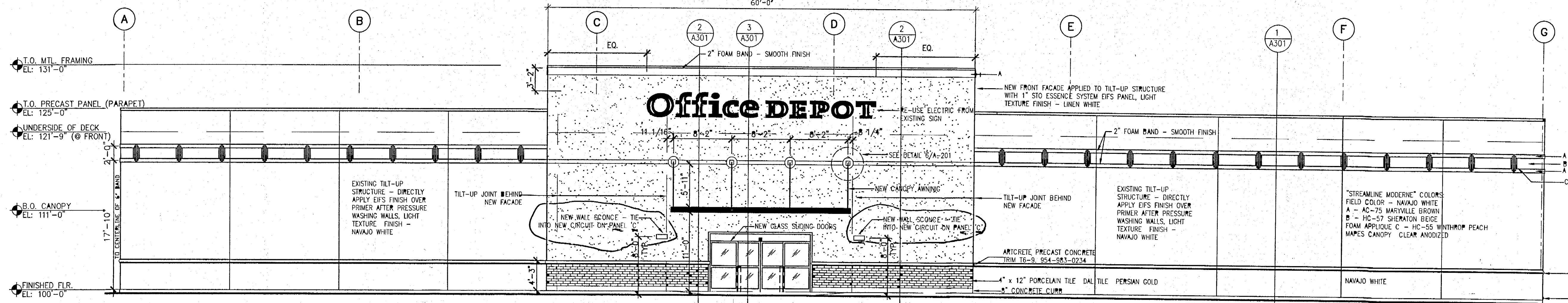
Drawing Date 8/12/11

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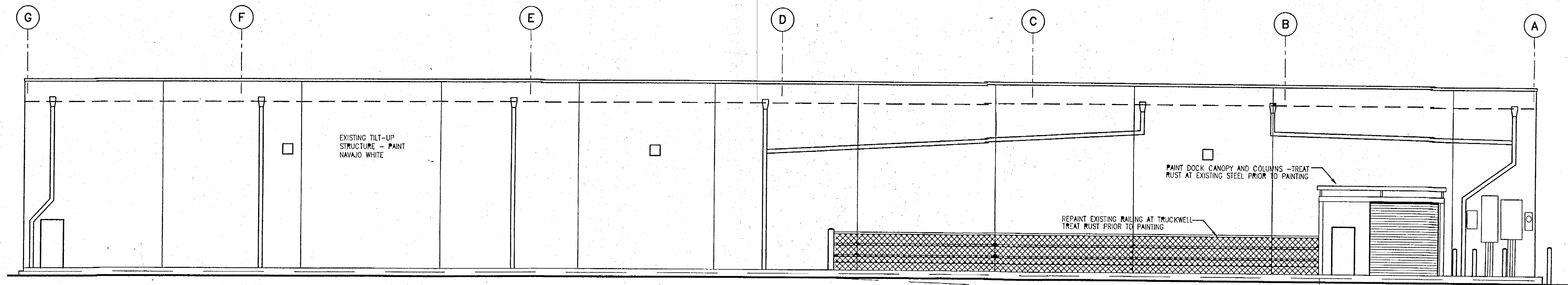
Drawing No.

A101

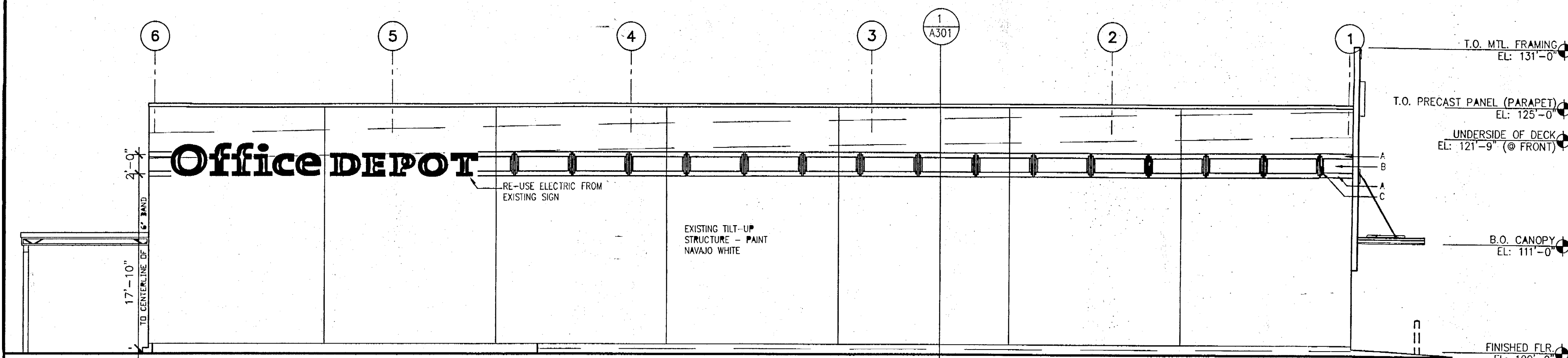
STORE #0213



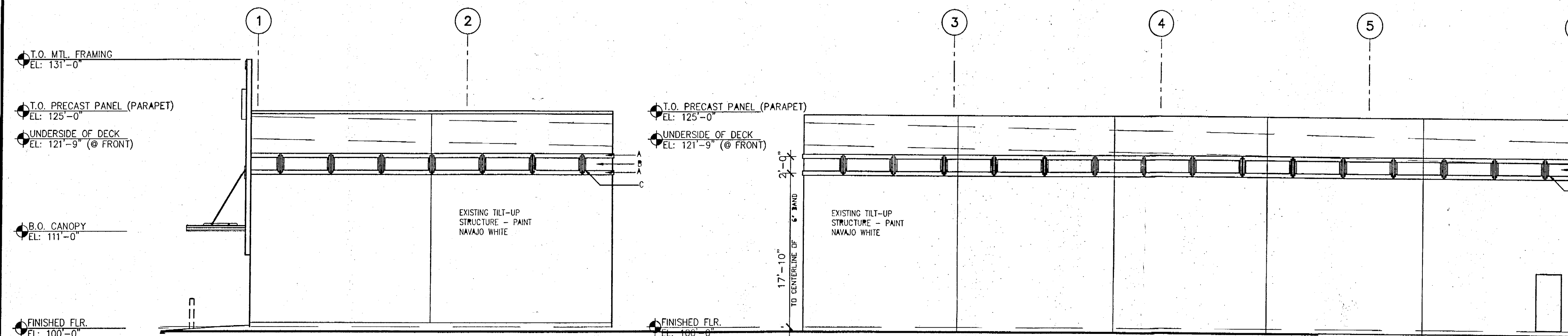
1 FRONT ELEVATION
SCALE: 1/8" = 1'-0"



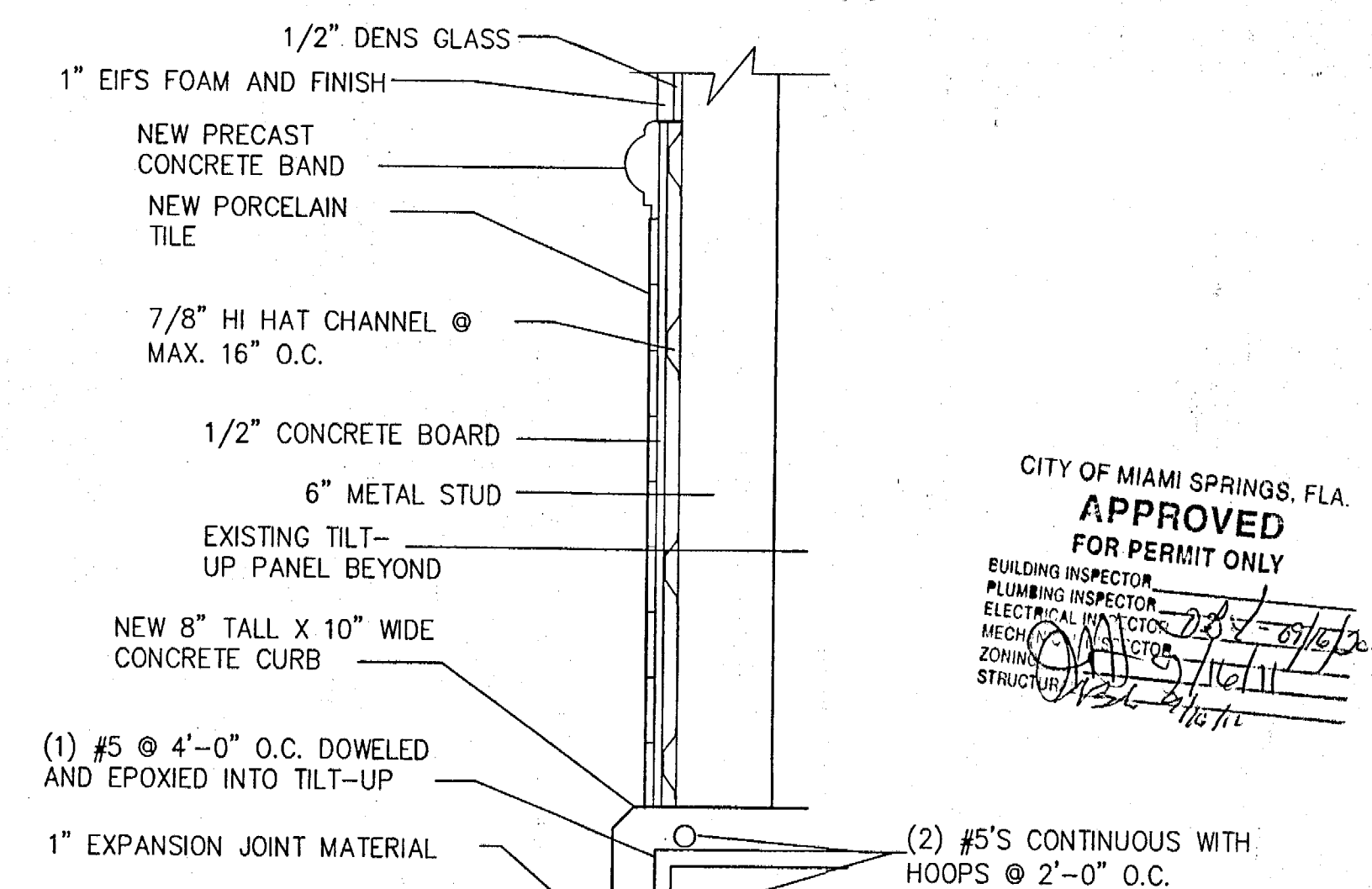
2 REAR ELEVATION
SCALE: 1/8" = 1'-0"



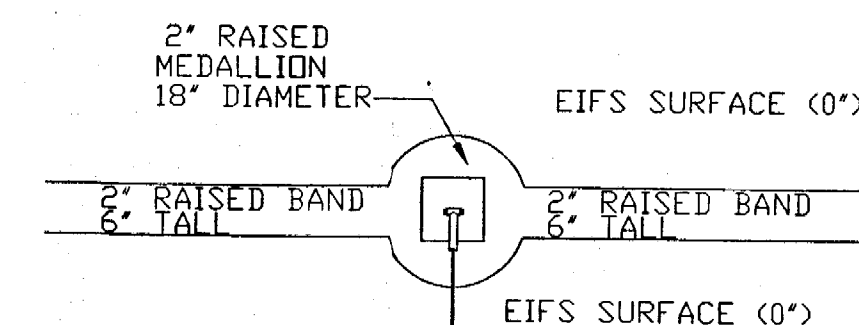
3 SIDE ELEVATION
SCALE: 1/8" = 1'-0"



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



5 DETAIL AT FRONT TILE
N.T.S.

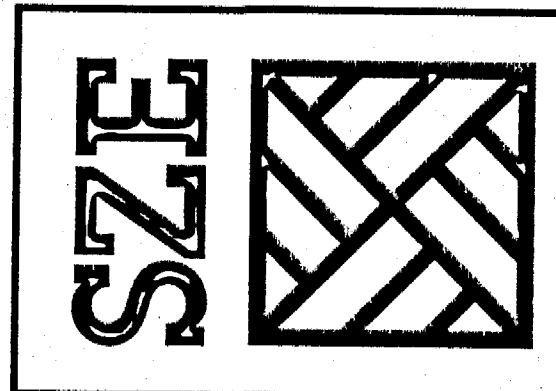


6 DETAIL AT CANOPY CONNECTION
N.T.S.

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MECHANICAL INSPECTOR
JOHN A. VICTOR
STRUCTURAL
8/12/11

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Project Title

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8/19/11

Job Number

Drawing
EXTERIOR ELEVATIONS

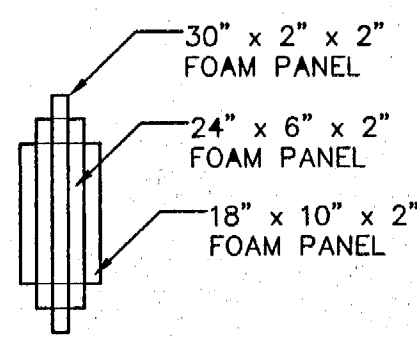
Scale 3/32" = 1'-0"

Drawing Date 8/12/11

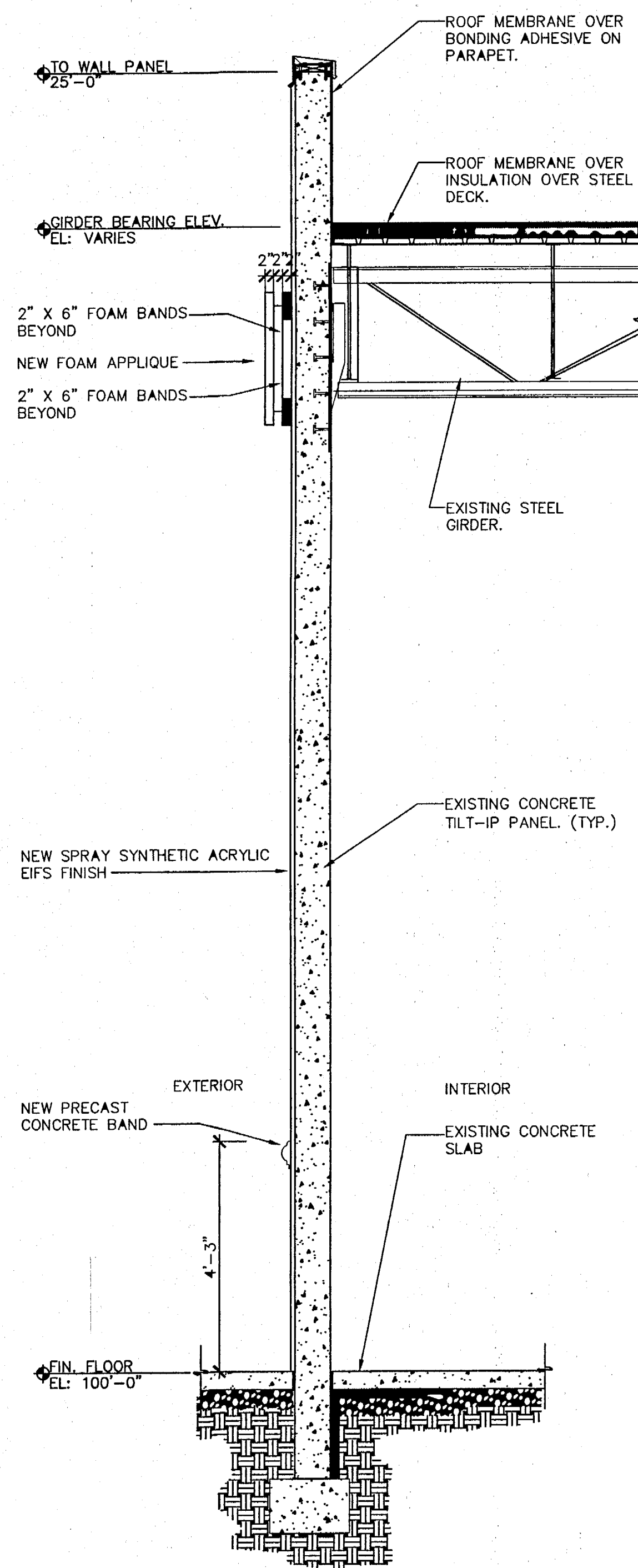
PLEASE CONSIDER THE ENVIRONMENT
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Drawing No.

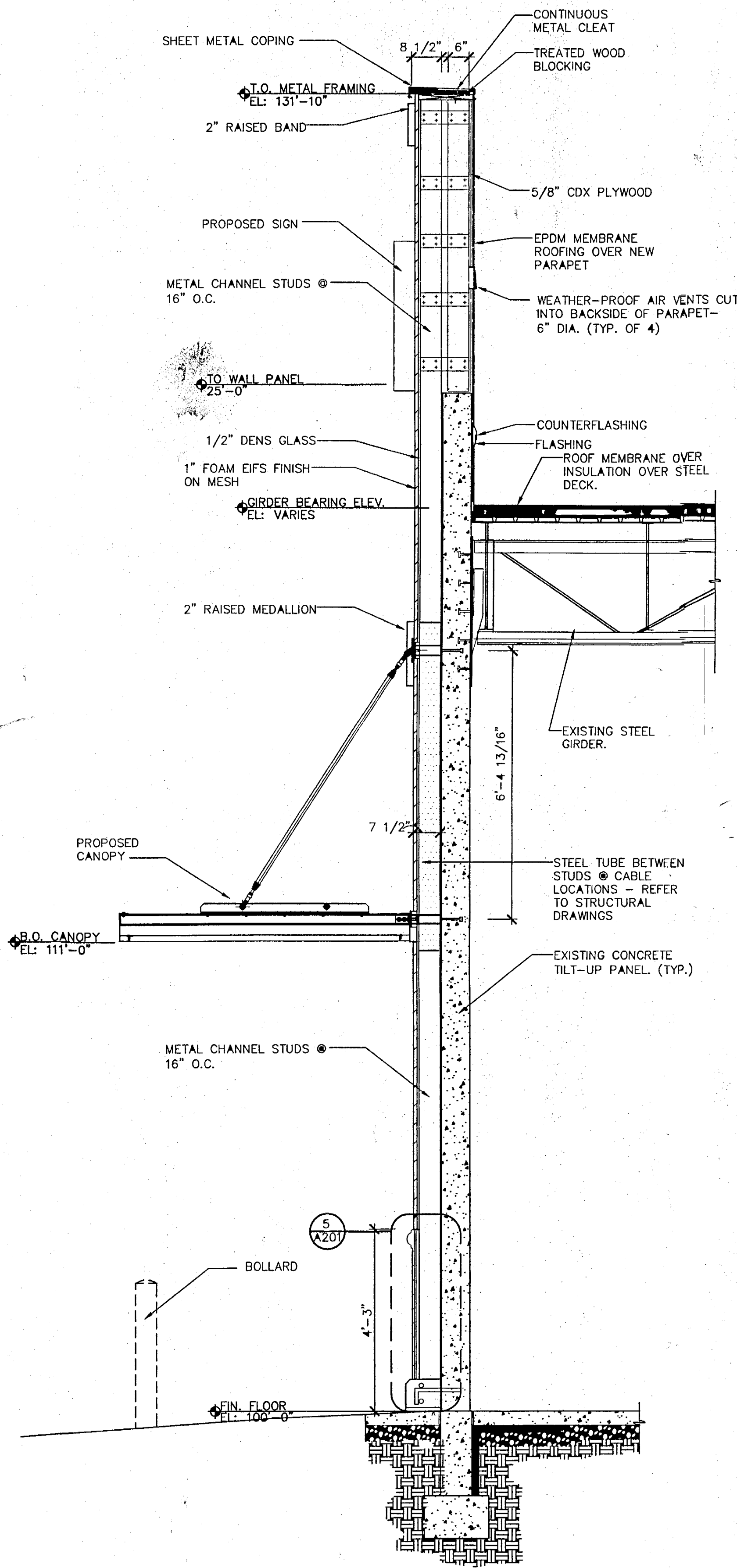
A201



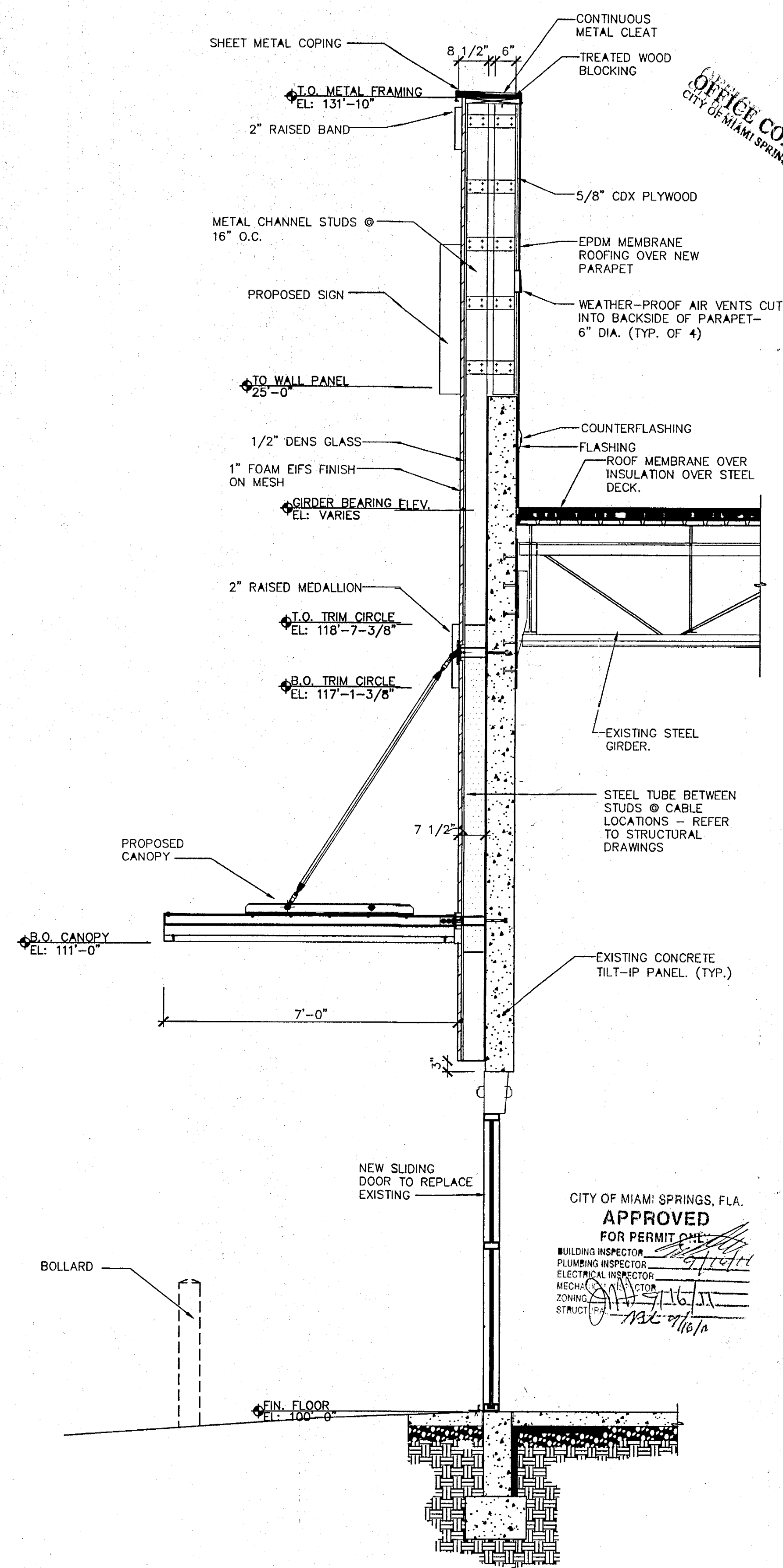
4 FOAM APPLIQUE DETAIL
SCALE: 1/2" = 1'-0"



REFER TO STRUCTURAL
DETAILS FOR INFORMATION
ON MATERIAL, SIZES, ETC.



REFER TO STRUCTURAL
DETAILS FOR INFORMATION
ON MATERIAL, SIZES, ETC.

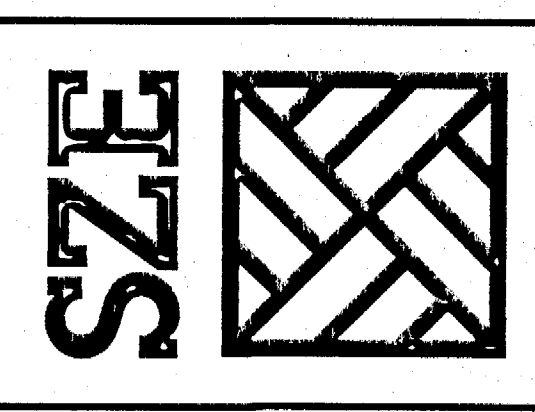


REFER TO STRUCTURAL
DETAILS FOR INFORMATION
ON MATERIAL, SIZES, ETC.

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Project Title

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8/19/11
8/19/11

Job Number

Drawing
WALL SECTIONS AND DETAILS

Scale 1/2" = 1'-0"
Drawing Date 8/12/11

PLEASE CONSIDER THE ENVIRONMENT
BEFORE PRINTING THESE DRAWINGS.

Drawing No.

A301

1 WALL SECTION AT PRECAST WALL AT PARAPET
SCALE: 1/2" = 1'-0"

2 WALL SECTION AT ENTRY CANOPY
SCALE: 1/2" = 1'-0"

3 STOREFRONT SECTION AT ENTRY CANOPY
SCALE: 1/2" = 1'-0"

GENERAL NOTES

GENERAL

THE FOLLOWING GENERAL NOTES CONSTITUTE A MAJOR PART OF THE PLANS AND SPECIFICATIONS. STRICT COMPLIANCE WITH THESE NOTES IS ESSENTIAL TO THE PROPER CONSTRUCTION OF THE BUILDING.

1. THE DETAILS, DESIGNATED AS "TYPICAL DETAILS," APPLY GENERALLY TO THE DRAWINGS IN ALL AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS.
2. MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL WHICH ARE NOT AS SPECIFIED IN THE DOCUMENTS SHALL BE ACCOMPANIED BY A CURRENT I.C.B.O. (INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS) REPORT. MATERIALS OR PRODUCTS THAT DO NOT HAVE I.C.B.O. REPORTS INDICATING THE SUBSTITUTED MATERIAL OR PRODUCT TO BE EQUAL TO THAT SPECIFIED, WILL NOT BE CONSIDERED.
3. PLANS, SECTIONS AND DETAILS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.
4. THE CONTRACTOR SHALL VERIFY JOB SITE CONDITIONS, UNDERGROUND UTILITIES, ETC., THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION.
5. THE OWNER / CONTRACTOR SHALL PROVIDE INSPECTION SERVICES FOR THE ENTIRE PROJECT.

EXISTING CONDITIONS

1. FIELD VERIFY ALL RELEVANT DIMENSIONS AND CONDITIONS AT EXISTING STRUCTURES PRIOR TO STARTING SHOP DRAWINGS AND THE CONSTRUCTION PROCESS IN THOSE AREAS. SUBMIT APPROPRIATE PLANS AND DETAILS REFLECTING THE FIELD VERIFIED EXISTING CONDITIONS FOR THE ARCHITECT'S USE.
2. EXISTING CONDITIONS WHICH REQUIRE MODIFICATIONS TO THE DESIGN OF THE PROPOSED CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF PROSLIDE.

SUBSTITUTIONS

1. ALL REQUESTS FOR SUBSTITUTIONS OF MATERIALS OR DETAILS SHOWN IN THE CONTRACT DOCUMENTS SHALL BE SUBMITTED FOR APPROVAL DURING THE BIDDING PERIOD. ONCE BIDS ARE ACCEPTED, PROPOSED SUBSTITUTIONS WILL BE CONSIDERED ONLY WHEN THEY ARE OFFICIALLY SUBMITTED WITH AN IDENTIFIED SAVINGS TO BE DEDUCTED FROM THE CONTRACT.

CODES AND DESIGN SPECIFICATIONS

1. BUILDING CODE: FLORIDA BUILDING CODE 2009
2. STRUCTURAL STEEL: "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, 1989.
3. WHERE THERE IS A CONFLICT BETWEEN THE BUILDING CODE AND THE MATERIAL CODES, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.

STRENGTH OF MATERIALS

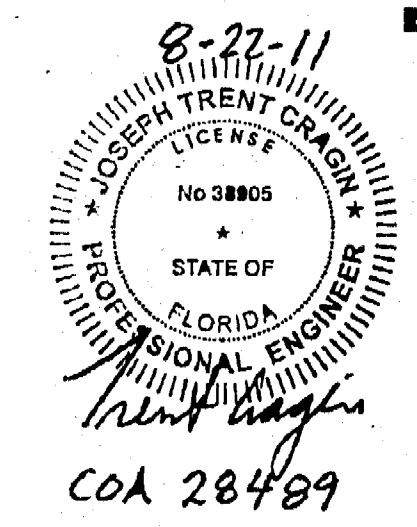
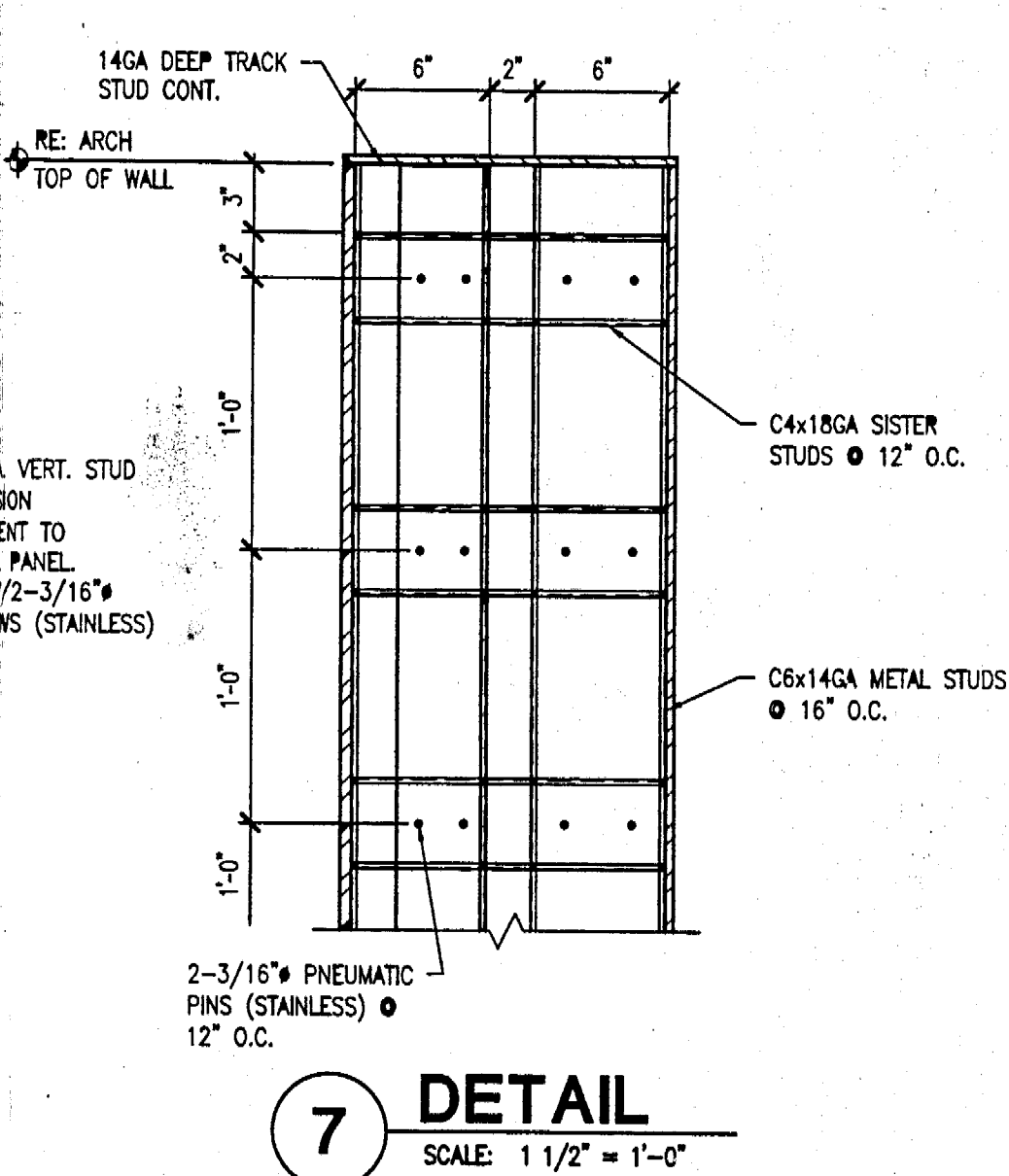
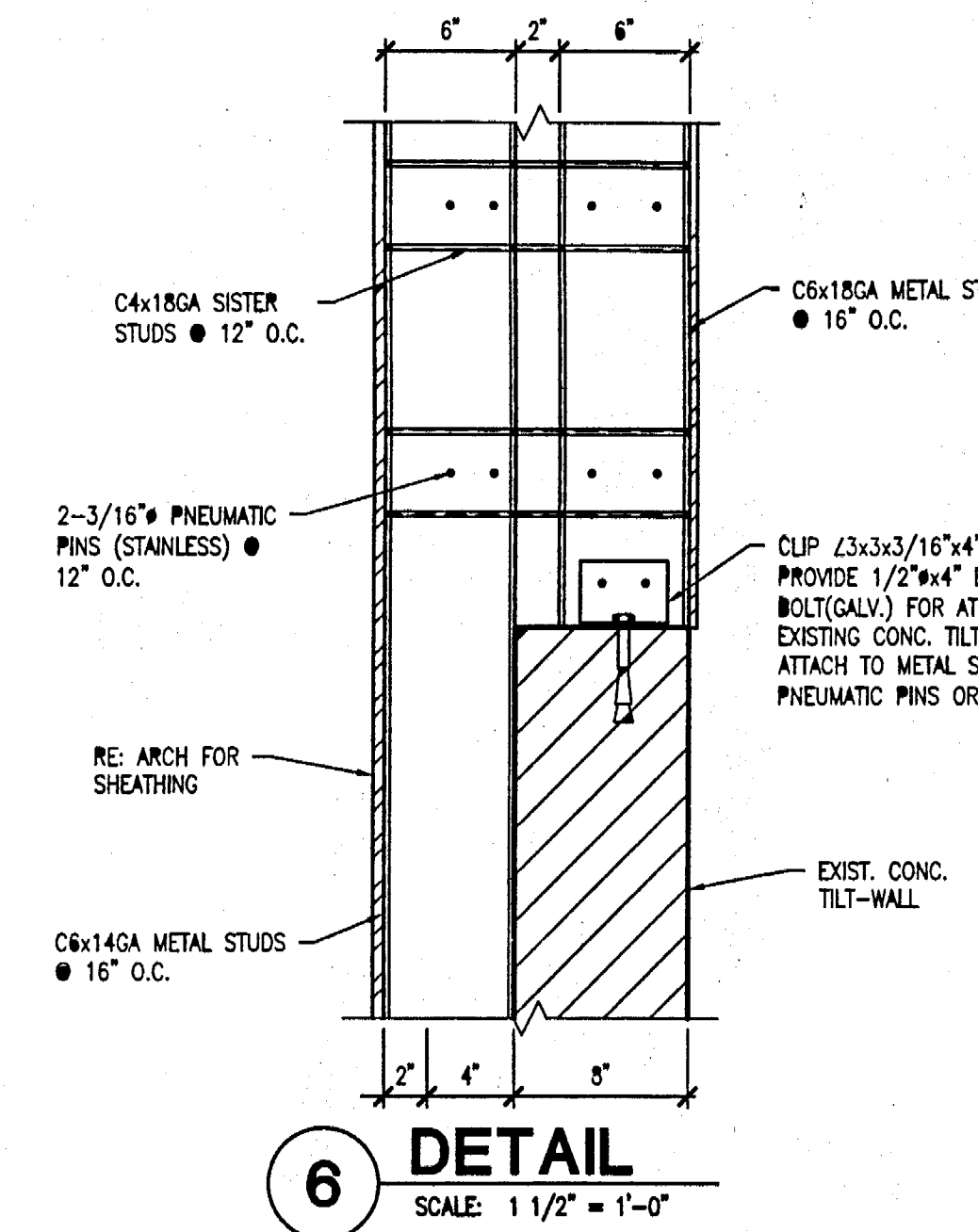
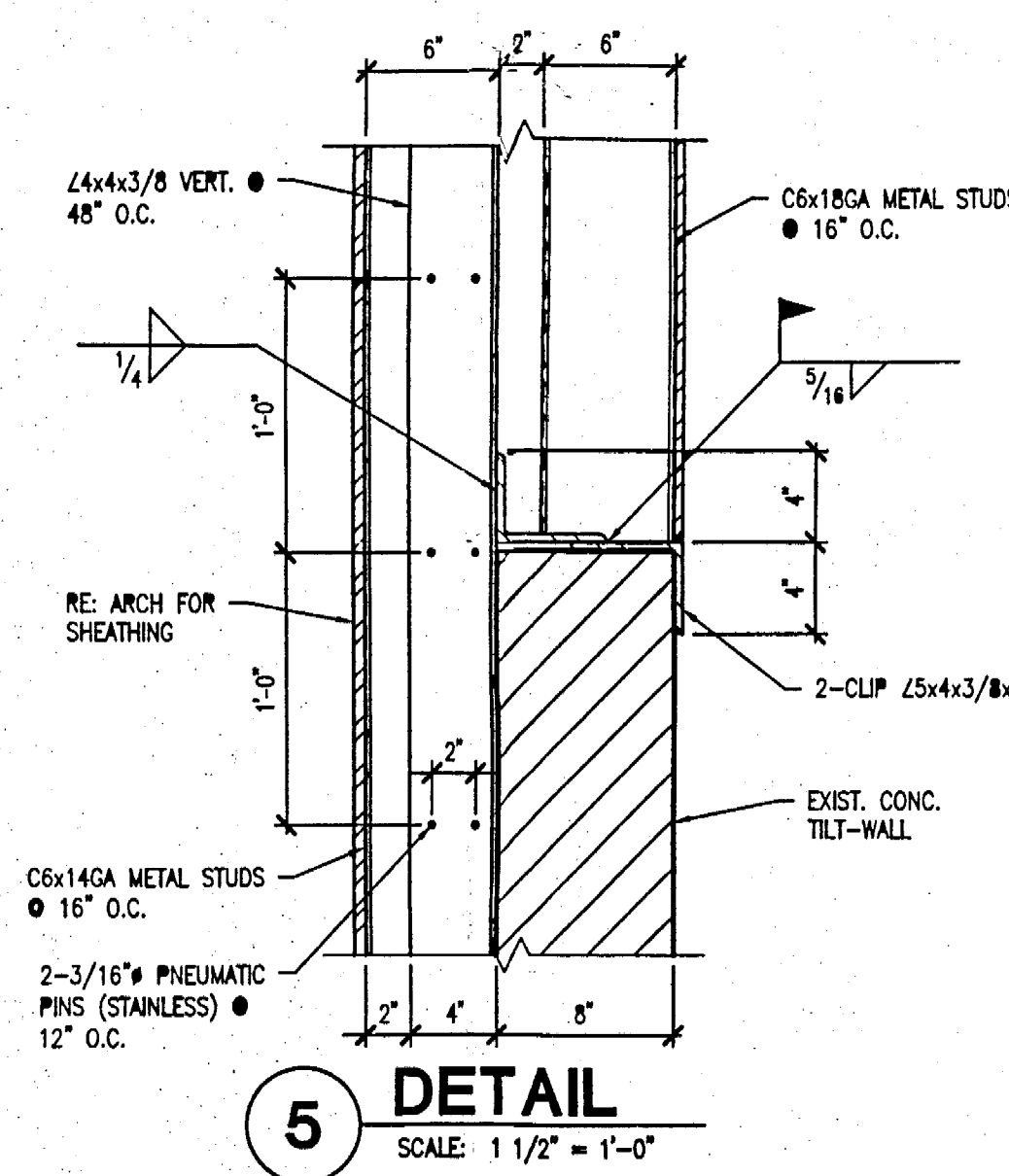
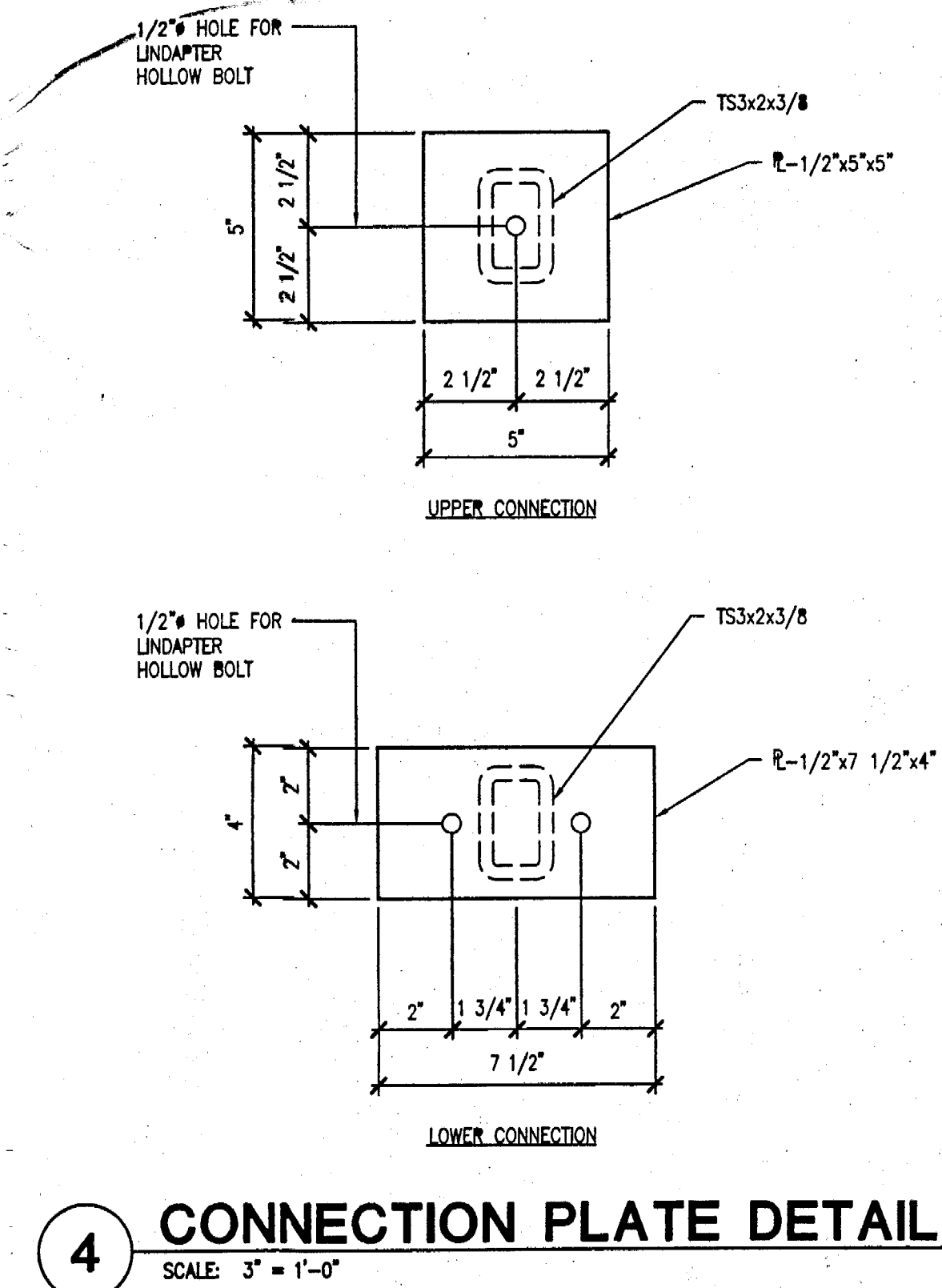
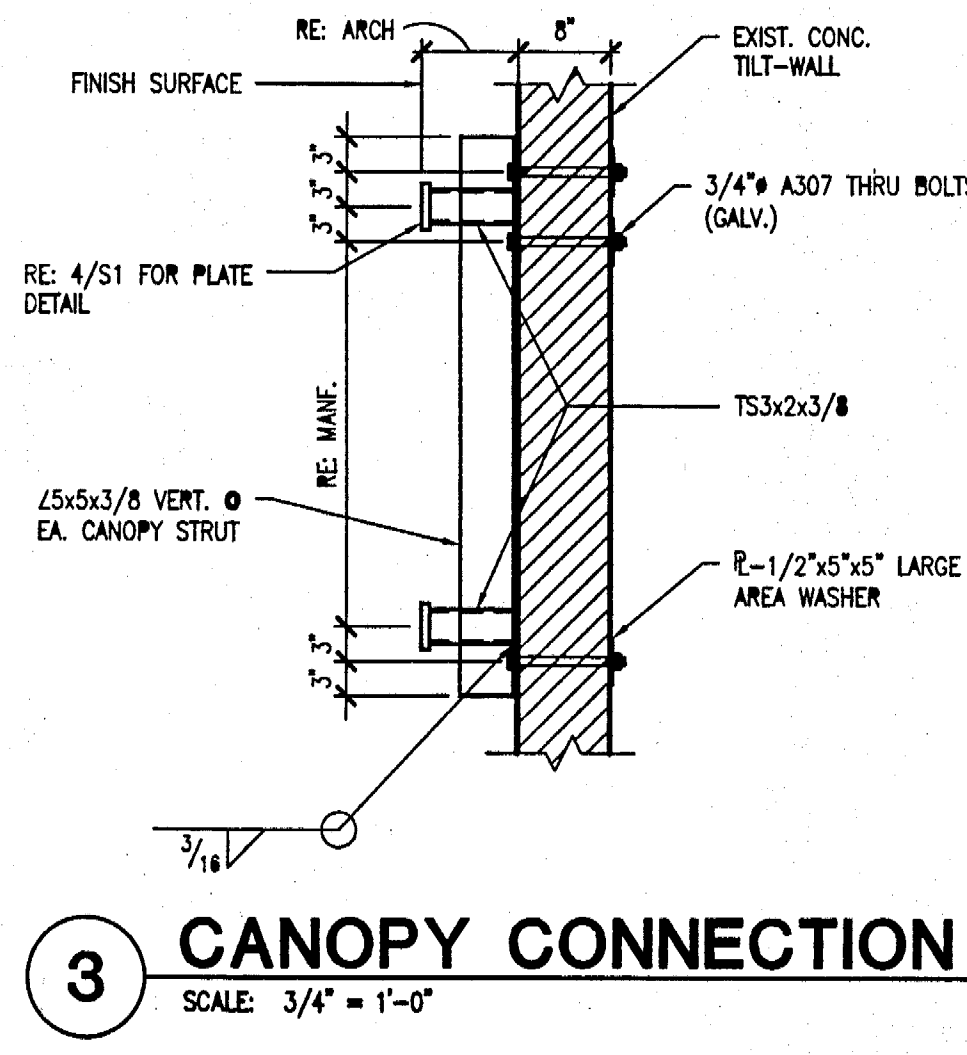
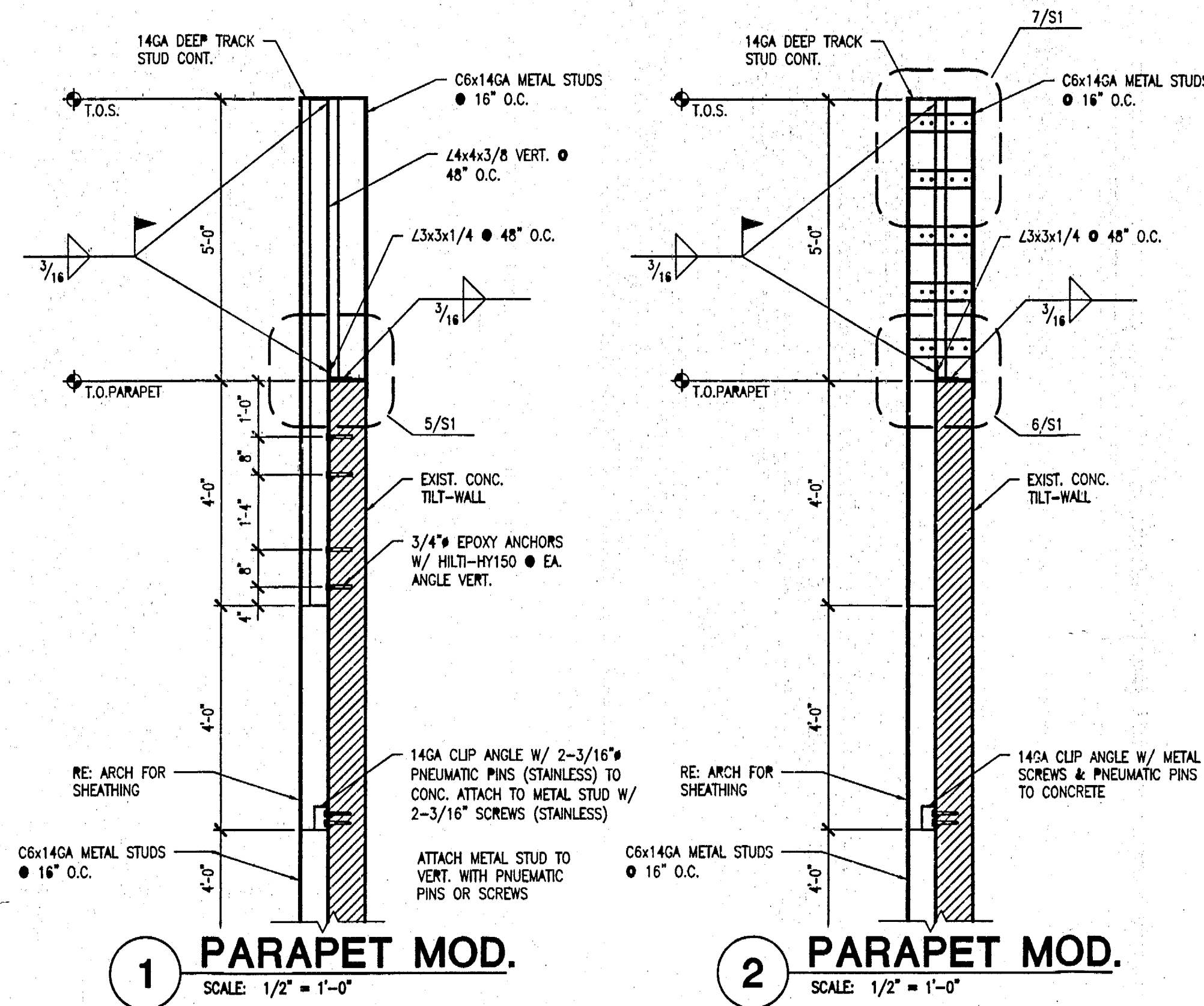
1. STRUCTURAL STEEL:
MONOPOLE COLUMNS ASTM A36 (GALVANIZED)
TS MEMBERS ASTM A500 (GALVANIZED)
PLATES, ANGLES ASTM A36 (GALVANIZED)
ANCHOR RODS ASTM A36 (GALVANIZED)
STRUCTURAL BOLTS ASTM A325 (GALVANIZED)

DESIGN LOADS

1. DEAD LOADS INCLUDE THE WEIGHT OF THE STRUCTURAL COMPONENTS AND PERMANENT FIXTURES (MECHANICAL EQUIPMENT, ETC.).
2. DESIGN LIVE LOADING IS AS FOLLOWS:
CANOPY ROOF LOAD 20 PSF
3. DESIGN WIND LOADING IS AS FOLLOWS:
BASIC WIND SPEED 140 MPH
EXPOSURE C
CANOPY
0'-15' -29.00/25.38 PSF
15'-20' -30.71/26.87 PSF
20'-25' -32.07/28.06 PSF
25'-30' -33.44/29.26 PSF
30'-40' -35.48/31.05 PSF

STRUCTURAL STEEL

1. TEMPORARY BRACING MUST BE PROVIDED FOR ALL CONSTRUCTION LOADS AND MAINTAINED IN PLACE UNTIL COMPLETION OF THE STRUCTURE.
2. WELDING - UNLESS OTHERWISE NOTED, ALL ANGLES, PLATES, RODS AND MISCELLANEOUS FRAMING ARE TO BE WELDED AT CONTACT JOINTS AND SUPPORTS. ALL WELDS VISUALLY EXPOSED SHALL BE CONTINUOUS, UNIFORM AND GROUND SMOOTH OF THE STRUCTURE.
WELD SIZES SHALL CONFORM TO AWS D1.1 MINIMUMS, EXCEPT AS NOTED.
3. REQUIREMENTS FOR HIGH STRENGTH STEEL MEMBERS OR ANCHOR RODS ARE SHOWN ON THE MEMBERS OR DETAILS WHERE THEY APPLY ON THE DRAWINGS.
4. ALL BEAM CONNECTIONS SHALL BE STANDARD DOUBLE ANGLE TYPE UNLESS DETAILED OTHERWISE. PLATE SIZES, NUMBER AND SIZE OF BOLTS FOR FIELD CONNECTIONS SHALL BE DESIGNED BY THE CONTRACTOR. DESIGN STANDARD CONNECTIONS, USING FIFTY-FIVE(55) PERCENT OF THE VALUE, FOUND BY DIVIDING THE STEEL BEAM SPAN INTO THE VALUE WC FROM THE BEAM TABLES, PART 2, EIGHTH EDITION OF THE AISC CODE. IN NO CASE SHALL THE MINIMUM NUMBER OF BOLTS BE LESS THAN TWO (2) ROWS FOR W12 AND SMALLER.
ALL BOLTS INDICATED BY SYMBOL ON DETAILS SHALL BE 3/4" DIAMETER UNLESS NOTED OTHERWISE.
BOLTS SHALL BE AS FOLLOWS, EXCEPT AS NOTED:
BEAMS A325N
ANCHOR RODS A36
HIGH STRENGTH BOLTS A325
CONNECTIONS FOR DIAGONAL BRACING SHALL DEVELOP THE FULL STRENGTH OF THE MEMBER IN TENSION.
5. STRUCTURAL STEEL MISCELLANEOUS SHAPES, PLATES, ETC., SHALL CONFORM TO ASTM
6. ALL STRUCTURAL STEEL SHALL BE HOT DIPPED GALVANIZED.



The Core Group
Structural Engineering

NW Regional Airport, 102 Lindbergh Dr., Rome, Georgia 30162
Phone: 817.854.0142

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Revisions:

Drawn By: SS
Checked By: TC
Date: 8/17/11
Project No: 1100-043

Sheet Title:
GENERAL NOTES & DETAILS

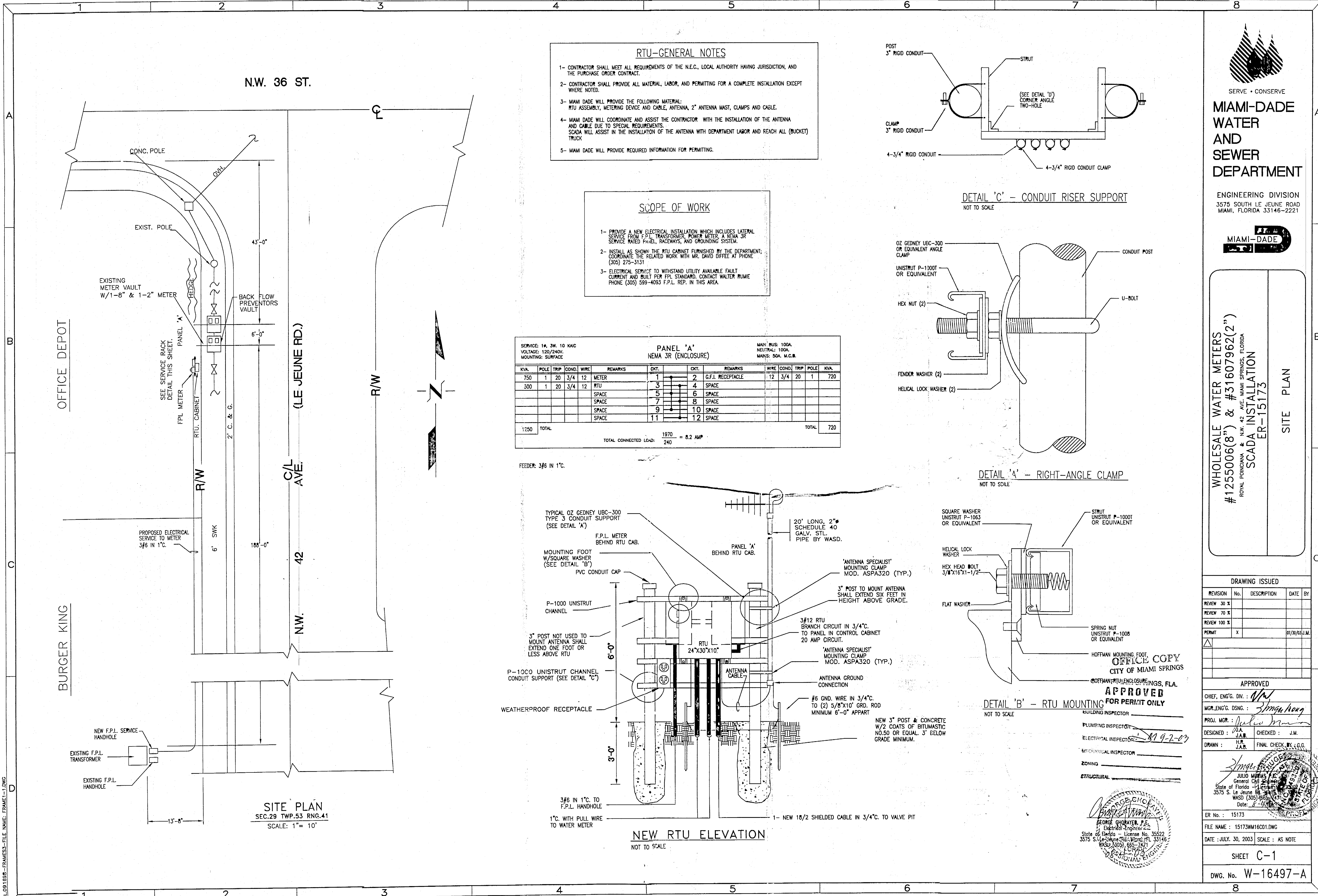
Sheet No:
S1

CITY OF MIAMI SPRINGS, FLA.
APPROVED
FOR PERMIT BY:
PLUMBING INSPECTOR
ELECTRICAL INSPECTOR
MECHANICAL INSPECTOR
ZONING
STRUCTURAL 8/16/11

M2011 009 260

MIAMI DADE FIRE RESCUE			
Process No:			
Municipal Insp No:			
Project Name: <i>Office Depot</i>			
Address: <i>3600 NW Lejeune Rd</i>			
Date	INITIAL REVIEW		Not Applicable
	Approved	Disapp	
<i>9/12/11</i>	<i>[Signature]</i>		
Revision Process No:			
Date	Approved	Disapp	Not Applicable
**THIS IS NOT A PERMIT. MUST PROVIDE FIRE MUNICIPAL INSPECTION REQUIREMENTS AND RECORD CARD AT THE TIME OF A FIRE INSPECTION.			

DERM	
PLAN REVIEW	
FINAL	
APPROVAL	
DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT	
CORE REVIEWER (PRINT) <i>CEDE</i>	Date <i>9/13/11</i>
SIGNATURE <i>[Signature]</i>	



RTU-GENERAL NOTES

- 1- CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE N.E.C., LOCAL AUTHORITY HAVING JURISDICTION, AND THE PURCHASE ORDER CONTRACT.
- 2- CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, AND PERMITTING FOR A COMPLETE INSTALLATION EXCEPT WHERE NOTED.
- 3- MIAMI DADE WILL PROVIDE THE FOLLOWING MATERIAL:
RTU ASSEMBLY, METERING DEVICE AND CABLE, ANTENNA, 2" ANTENNA MAST, CLAMPS AND CABLE.
- 4- MIAMI DADE WILL COORDINATE AND ASSIST THE CONTRACTOR WITH THE INSTALLATION OF THE ANTENNA AND CABLE DUE TO SPECIAL REQUIREMENTS.
SCADA WILL ASSIST IN THE INSTALLATION OF THE ANTENNA WITH DEPARTMENT LABOR AND REACH ALL (BUCKET) TRUCK
- 5- MIAMI DADE WILL PROVIDE REQUIRED INFORMATION FOR PERMITTING.

SCOPE OF WORK

- 1- PROVIDE A NEW ELECTRICAL INSTALLATION WHICH INCLUDES LATERAL SERVICE FROM F.P.L. TRANSFORMER, POWER METER, A NEMA 3R SERVICE RATED PANEL, RACEWAYS, AND GROUNDING SYSTEM.
- 2- INSTALL AS SHOWN THE RTU CABINET FURNISHED BY THE DEPARTMENT; COORDINATE THE RELATED WORK WITH MR. DAVID DUFFEE AT PHONE (305) 275-3131
- 3- ELECTRICAL SERVICE TO WITHSTAND UTILITY AVAILABLE FAULT CURRENT AND BUILT PER F.P.L. STANDARD, CONTACT WALTER RUMIE PHONE (305) 599-4093 F.P.L. REP. IN THIS AREA.

SERVICE: 1#, 3W, 10 KAIC VOLTAGE: 120/240V. MOUNTING: SURFACE										PANEL 'A' NEMA 3R (ENCLOSURE)										MAIN BUS: 100A. NEUTRAL: 100A. MANS: 50A, M.C.B.									
KVA	POLE	TRIP	COND.	WIRE	REMARKS	CKT.		CKT.	REMARKS	WIRE	COND.	TRIP	POLE	KVA															
750	1	20	3/4	12	METER	1		2	G.F.I. RECEPTACLE	12	3/4	20	1	720															
300	1	20	3/4	12	RTU	3		4	SPACE																				
					SPACE	5		6	SPACE																				
					SPACE	7		8	SPACE																				
					SPACE	9		10	SPACE																				
					SPACE	11		12	SPACE																				
1250	TOTAL													TOTAL	720														
TOTAL CONNECTED LOAD:										$\frac{1970}{240} = 8.2 \text{ AMP}$																			

FEEDER: 3/8 IN 1".

NEW RTU ELEVATION

NOT TO SCALE

DETAIL 'C' - CONDUIT RISER SUPPORT

NOT TO SCALE

DETAIL 'A' - RIGHT-ANGLE CLAMP

NOT TO SCALE

DETAIL 'B' - RTU MOUNTING

NOT TO SCALE



SERVE • CONSERVE

MIAMI-DADE
WATER
AND
SEWER
DEPARTMENT

ENGINEERING DIVISION
3575 SOUTH LE JEUNE ROAD
MIAMI, FLORIDA 33146-2221



WHOLESALE WATER METERS
#1255006(8") & #31607962(2")
ROYAL PONSIANA & N.W. 42 AVE. MIAMI SPRINGS, FLORIDA
SCADA INSTALLATION
ER-15173

SITE PLAN

DRAWING ISSUED

REVISION	No.	DESCRIPTION	DATE	BY
REVIEW	30 %			
REVIEW	70 %			
REVIEW	100 %			
PERMIT	X		07/20/03	J.M.

APPROVED

CHIEF, ENG'G. DIV.: *[Signature]*
MGR., ENG'G. DESNG.: *[Signature]*
PROJ. MGR.: *[Signature]*
DESIGNED: J.A.B. CHECKED: J.M.
DRAWN: H.R. J.A.B. FINAL CHECK: B.K. & G.C.

APPROVED
JULIO VILLAS
General Civil Engineer
State of Florida - License No. 35522
3575 S. Le Jeune Rd.
WASD (305) 685-7471
Date: 7-14-03

ER No.: 15173
FILE NAME: 15173WM1601.DWG
DATE: JULY 30, 2003 SCALE: AS NOTED
SHEET C-1
DWG. No. W-16497-A

1.0 BASIC ELECTRICAL REQUIREMENTS

1.1 SCOPE OF WORK

- For purpose of legibility, drawings are diagrammatic and although location of equipment is shown to scale, the Contractor shall verify all information at the site before bidding the job.
- When drawings, notes and these requirements are in conflict, the most stringent condition shall apply unless otherwise approved by the Engineer.
- The work consists of all supervision, labor, materials, equipment and installation required for the complete electrical systems as shown on the drawings or called for in these requirements.
- Furnish, install and maintain temporary electrical power and lighting required for all trades.
- Connect electrical equipment furnished by other trades even if not shown on electrical drawings.

1.2 CODES AND STANDARDS

- Perform work and furnish equipment complying with the following codes:
 - National Electrical Code (NEC)
 - National Fire Protection Association (NFPA)
 - Underwriters' Laboratories (UL)
 - National Electrical Manufacturers Association (NEMA)
 - American National Standards Institute (ANSI)
 - Insulated Power Cable Engineers Association (IPCEA)
 - South Florida Building Code (SFBCC)
 - Institute of Electrical and Electronic Engineers (IEEE)

1.3 SHOP DRAWINGS

- Within 30 days after the date of the award of the Contract, and before any material or equipment is purchased, submit to the Engineer for approval, a complete list in triplicate of electrical materials, and equipment to be incorporated in the work. Include catalog number, dimensions, interconnection diagrams and installation instructions.

1.4 OPERATION AND MAINTENANCE MANUALS

- O & M Maintenance Manuals must contain but not limited to the following:
 - System description, and operating and maintenance instructions.
 - Manufacturer's name and model number of all components.
 - Control and wiring diagrams with sequence of operation.
 - List of recommended spare parts.

1.5 AS BUILT DRAWINGS

- After final inspection, furnish a set of reproducible "as built drawings" showing depths and routing of concealed electrical below grade installations and all variations between the actual work and as it was shown on the Contract Drawings.

1.6 MATERIALS

- Furnish equipment and materials that are new and latest design of standard products of manufacturers regularly engaged in the production of such equipment.
- All materials shall bear the label of Underwriter's Laboratory for the intended use.
- Equipment enclosures shall be NEMA 12 for indoor use, and NEMA 4X (Stainless Steel) or 3R as shown on drawings for outdoor use.
- Furnish lighting fixtures with lamps and 10 percent (two minimum) spare lamps of each type.
- Furnish fusible equipment with fuses and 10 percent (three minimum) of spare fuses of each type.

1.7 INSTALLATION

- Install equipment at the locations shown on the drawings following the manufacturer's recommendations.
- Coordinate installation of underground ducts and conduits with existing underground utilities. Field verify routing and burial depth. Drain ducts away from buildings toward manholes. Low points in duct bank runs are not acceptable.
- Install floor mounted self supported equipment on 4-inches high concrete pads with steel reinforcing. Use required bolts, anchors, inserts and conduit sleeves.
- Make openings through walls, ceilings, roadways, floor slabs, etc. required for the installation of electrical equipment, but cutting, welding, or other weakening of building structure to simplify electrical equipment and materials installation are not permitted. Where existing walls, ceilings or floor slabs are to be cut, the Contractor shall coordinate with the Engineer before making such cuts. The Contractor shall be held responsible for any damage done while providing such openings and shall patch the surface to match adjacent materials and finishes.
- No conduits, sleeves, pipes or any other item shall be embedded in concrete along or through any beam, column, footing, grade beam, slab, wall or any other structural member without the prior approval of the Engineer.
- Coordinate shipping lengths of switchgears and motor control centers. Those equipments shall be able to be removed and replaced in the future through the permanent access provided in the structure.
- Provide 36-inches wide, 3/16-inches thick rubber mats in the front and rear of switchgears, motor control centers and switchboards. Mats to comply with Federal Specs ZZ-F-418A.

1.8 TESTING

- Upon completion of the Work, the Contractor shall energize, start-up and test operate all the systems and equipment in the presence of the Engineer. Insulation resistance tests shall be made on each 480 and 240 volt feeder with a 500 volt DC megger. Defects found shall be corrected.

2.0 RACEWAYS

2.1 RIGID CONDUIT

- STEEL: Hot dipped zinc coated, galvanized, threaded rigid steel conforming to ANSI C80.3 and Fed. Spec. WW-C-581. Use threaded galvanized steel fittings.
- ALUMINUM: Containing less than 0.1 percent copper and conforming to federal specification WW-C-540C. Use threaded aluminum fittings.
- PLASTIC: Rigid, Schedule 40, 90 degrees C, UL rated, PVC plastic conforming to UL 651, Fed. Spec. W-C-1094 and NEMA TC-2. Fittings to conform with UL 514 and NEMA TC-3.
- ELECTRICAL METALLIC TUBING: Zinc coated steel electrical metallic tubing conforming to ANSI C80.3, UL 797 and Fed. Spec. WW-C-563. Use compression type fittings.

2.2 FLEXIBLE METAL CONDUIT

- STANDARD: Flexible zinc coated conforming to UL 1.
- LIQUID-TIGHT: Same standard type with liquid-tight flexible plastic sheath, conforming to UL 360 Standard. Fittings, per Fed. Spec. W-R-4068 and UL 514.

2.3 LOCATION AND USE OF EACH TYPE OF CONDUIT

- Use rigid aluminum conduit for above ground exposed installations except in corrosive areas where PVC coated rigid galvanized steel shall be used.
- Use galvanized threaded rigid steel conduit as follows:
 - Wherever specifically called for on drawings.
 - Where raceway elbows from duct banks stub-up.
 - For underground work beyond buildings where concrete encased plastic conduits have not been specified. Coat buried galvanized steel conduits and fittings with two coats of Kop Coat's Bitumastic No. 50.
- Use plastic conduit as follows:
 - When installed in poured concrete slabs or walls.
 - For underground work under slabs.
 - In duct banks or, if specifically called for, in trenches. Back-fill trenches with structural fill 90% compacted (Proctor Density) and reseed to original condition.
- Use electrical metallic tubing (EMT) for concealed branch circuit wiring installed in hung ceilings and partition walls in control rooms, laboratories, rest rooms and office areas.
- Use flexible metal conduit (24 to 60 inches long) for connections to rotating or vibrating equipment. In wet and damp locations and exterior locations, use liquid-tight type.

2.4 INSTALLATION

- Drawings are diagrammatic and do not show all bends, fittings, boxes, and specialties which may be required or the exact location of conduits. Examine the structural and finish conditions affecting all of his work and plan it accordingly, furnishing such fittings as may be required to meet such conditions. Arrange conduit runs to clear beams, pipes and other obstructions and avoid interferences with other trades work. Any changes from locations shown on the drawings must be approved by the Engineer.

- Install raceways parallel or perpendicular to walls, structural members, or intersections of vertical planes and ceilings. Install horizontal raceways close to ceiling or ceiling beams, and above pipes and ducts.
- Size raceway according to NEC, but in no case shall be less than indicated on drawings. Minimum size shall be 3/4-inch, except flexible conduits to light fixtures that can be 3/8" but not exceeding six feet long.
- Install conduits passing through walls and slabs in PVC sleeves. Extend sleeves through full concrete thickness and provide 1/2-inch clearance around conduits to facilitate sealing.
- Seal any openings made in slabs or walls to prevent smoke or fire spread and the passage of water. Use sealing compound approved for the purpose.
- Use expansion fittings when conduits cross structural expansion joints.
- Except where boxes, panels and other equipment have threaded openings, make conduit connections as follows:
 - Double locknuts, one inside and one outside.
 - Provide malleable, iron or steel bushing with Bakelite liner molded and bonded into the bushing.
 - Place bushing on end of conduit in addition to locknuts.

2.5 SUPPORT OF RACEWAY

- Install wall mounted electrical equipment, wiring troughs, junction boxes and groups of two or more conduits on a system of extruded, gauge 12, 1-5/8 inches wide, aluminum channels. Attach channels to wall with stainless steel machine bolts and expansion shields. Channels to be series P-1000 with compatible hardware and fittings as manufactured by Unistrut Mfg. Co. or equal.
- Fasten vertical and horizontal runs of raceways at intervals of not more than eight feet and within 3 feet of bends, outlets and junction boxes.
- Support single conduits not larger than 1-1/2 inches in diameter by means of two-hole pipe straps or individual pipe hangers. For conduits larger than 1-1/2 inches in diameters use individual pipe hangers.
- Space conduits installed against concrete surfaces not less than 1/4 inch away from the surfaces by clamp backs or other approved means.
- In those locations where EMT conduit can be used, spring steel fasteners, clips, or clamps specifically designed for supporting exposed single conduits may be used in lieu of pipe straps or pipe hangers.
- Furnish hanger rods made of galvanized steel of not less than 1/4 inch in diameter. When concealed above a suspended ceiling, galvanized perforated steel strapping is acceptable.
- Support branch circuit raceways installed above suspended ceiling independently of the ceiling support system. Wherever possible, they shall be fastened to the underside of the slab above.

3.0 CONDUCTORS (600 VOLTS)

3.1 MATERIAL

- Furnish conductors of 98% annealed copper, 600 volt Class B, heat and moisture resistant, thermoplastic type THHN/THW (sized by THW rating), with a polyvinyl chloride insulation resistant to oil, gasoline and weather. Insulation shall meet UL Standard 83.
- Conductors to be stranded; #8 through #2 shall be 7 strand; #1 through #4/0, 19 strand and 250 MCM through 500 MCM, 37 strand.

3.2 IDENTIFICATION

- Color code power conductors as follows:
 - 120/240 Volt System: White - Neutral, Black-Phase A, Blue-Phase B, Red-Phase C.
 - 277/480 Volt System: Gray - Neutral, Yellow - Phase A, Brown - Phase B, Orange-Phase C.
- Bonding conductor green.
- Identify feeders, branch circuits and instrumentation and control wires at terminations, junction and pull boxes.

3.3 INSTALLATION

- Do not use conductors smaller than AWG #12 for power and #14 for control unless specifically indicated on Drawings.
- Do not pull conductors into conduits until the mechanical work has been completed.
- Group and tie conductors in panelboards, junction boxes, pull boxes, etc., for a neat and orderly appearance.
- Use connectors, terminals and splices that are designed and approved for the specific type and size of the conductors being connected.
- Fireproof feeders where not protected by conduits like in manholes, switchgears, etc.

4.0 OUTLET, PULL AND JUNCTION BOXES

- Outlet boxes in indoor finished walls to be galvanized steel, 4" x 4" x 1-1/2" conforming to Federal Specifications WC-583 and ANSI-C33.65.
- Exterior outlet boxes, boxes and fittings embedded in concrete, and boxes for exposed conduit runs shall be cast of rust resisting metal, with full threaded hubs, and screw type rubber gasketed covers.
- Install boxes for light switches located near doors on the lock side, even where the symbols are indicated on the hinge sides.
- Pull and Junction Boxes shall be of 12 gauge welded aluminum with hinged cover. NEMA 12 for indoor use and NEMA 4X for outdoor use. Minimum dimensions shall be 12" x 12" x 6".
- In corrosive areas or where called for on Drawings, furnish pull and junction boxes of 14 gauge stainless steel.
- When splicing control conductors in boxes use screw type terminal strip blocks Class 9080 (G) as manufactured by Square D or equal, identify every wire at both sides and provide splice type lugs for termination.
- Provide pull and junction boxes where required to reduce length of cable pull or reduce number of elbows between outlets.

5.0 SWITCHES AND RECEPTACLES

- Furnish wall switches of the quiet and totally enclosed tumbler type, with bodies of phenolic compound. Wiring terminals shall be of the screw type. No more than one switch shall be installed in a single-gang position. Switches shall conform to Federal Specifications WS-5896E, Hubbel 1221 and 1223, or approved equal.
- Use 20A, 125 V, duplex, U-slotted, grounding type receptacles that conform to Federal Specifications WC-586D, Hubbel 5362, or equal.
- Mount duplex receptacles vertically. Boxes mounted back to back are not permitted. Ganged receptacles and switches shall have single multi-gang cover plate.
- Furnish hospital grade ground fault interrupter with differential current transformer, solid state sensing circuitry and circuit interrupter. Sensitivity to be 5 mA, tripping time 1/30th of a second.
- When installing receptacles in outdoor locations use cast-metal outlet boxes with gasketed weatherproof cast-metal coverplates and spring-flap cap over each receptacle.
- Use stainless steel cover plates for switches and receptacles except in non-industrial areas such as offices, rest rooms, laboratories, etc.

6.0 MOTOR DISCONNECT SWITCHES AND STARTERS

- Provide each motor with a disconnecting means meeting the requirements of NEC Article 430. Switches shall be heavy duty, horse power rated, suitable to be padlocked in "OFF" position and conform to Federal Specs W-S-865, NEMA KS1 and ANSI C33.64. If fuses are required, they shall be dual element.
- Size disconnects and starters for the full load of the controlled motor. The horsepower ratings indicated on the Drawings are shown for the benefit of the Contractor and do not limit equipment size.
- For single-phase fractional horsepower motors, a single or double-pole toggle switch will be acceptable provided the ampere rating of the switch is at least 125 percent of the motor rating.
- Switches shall be the quick-break type and disconnect all ungrounded conductors.
- For motors larger than 1/4 horsepower, furnish starters specifically designed for the purpose and having a horsepower rating equal to the motor controlled.
- Provide motors of 1/8 horsepower or larger with thermal-overload protection. The overload protection device, of the manual reset type and with contacts on each phase, shall be part of the starter. Size the overload heater elements according to the motor manufacturer's recommendations and based on the actual motor nameplate full-load current.
- Provide each motor with a suitable controller or device to make it performs as required. Automatic control devices such as thermostats, float or pressure switches may directly control the start-stop of motors up to 1/4 horsepower, provided the devices used are designed for the purpose and have an adequate horsepower rating. When the automatic-control device does not have such a rating, a magnetic starter shall be used with the automatic control device activating the coil of the contactor.

- Provide 3 position Manual-Off-Auto switch when manual and automatic control is required. Connect the selector switch so that only the automatic devices are by-passed when the switch is in the "Manual" position. All safety devices such as pressure and temperature switches, motor overload and safety switches shall be active in "Manual" and "Automatic" positions.
- Motor control circuits shall operate at 120V grounded, obtained from the load side of the motor-disconnect means. If the motor circuit is more than 120V to ground, furnish a control transformer with fused primary and secondary circuits. Starters for motors with space heaters shall have control transformers sized for the additional load.
- Furnish combination motor starters of the molded case, motor circuit protector, circuit breaker type, three phase, of the voltage and size as shown on the Drawing but not smaller than the size required by the controlled motor, 120 Volt control circuit, 3 thermal interchangeable overload relays, "Hand-Off-Auto" or "On-Off" switch as required by the application, red and green pilot lights and four normally closed and normally open interlock contacts.
- The starter disconnect shall be operable by an external "ON-OFF" labeled handle, interlocked to prevent opening the enclosure door while the disconnect is in the "ON" position except when consciously operating a permissive release device.
- Furnish starters Class 8536 manufactured by Square D, Allen Bradley Bulletin No. 509, or equal.

7.0 PANELBOARDS

- Provide dead front circuit breaker type panelboards with copper bus and as scheduled on drawings. Each panelboard shall be provided with a separate ground bus in addition to the neutral bus. Circuit breakers shall be bolt-on and have a minimum interrupting rating of 10,000 amperes at 120 volts, and 14,000 amperes at 277 volts. A typewritten directory shall clearly identify the load served by each circuit and shall be mounted inside the door in a metal frame with plastic cover. Circuit numbers shall be permanently indicated adjacent to each circuit breaker.

8.0 GROUNDING

- Install grounding as shown on Drawings. Where not indicated, install in compliance with the requirements of the National Electrical Code. Do not use conductors smaller than size AWG #12.
- Inaccessible connections shall be made with the exothermic welding process using equipment manufactured by Burndy or Erica Products.
- Accessible connections shall be made with Burndy, multiple bolts connectors specifically approved for the application.
- To assure electrical continuity, install jumpers across metal parts separated by non-conducting materials or attached together by high resistance joints.
- Do not embed grounding cables directly in concrete and use sleeves when passing cables through concrete. Bare copper cables buried in earth shall be lined.
- Furnish ground rods of copper clad steel, 3/4 inch in diameter, 15 feet long, driven full length into the earth. Maximum resistance to ground is limited to 25 ohms. Additional ground rods shall be driven if required to maintain this level.
- Parts to be grounded: Switchgear and panelboard frames, fixtures and devices, cable sheaths, neutral of transformers, boxes and raceways, motor frames, street lights, non-current carrying parts of appliances and devices, and all other parts and equipment as required by NEC. Never use a neutral wire as grounding means.
- Bond equipment with conductors installed in same circuit raceway and sized as follows:
 - Equipment rated 50 amperes or under with one AWG #8.
 - Equipment rated 50 to 125 amperes with one AWG #6.
 - Equipment rated over 125 amperes with one AWG #6 and one #1/0 in 3/4 inch conduit to building ground loop or ground rod.
- Provide power and lighting circuit and 120 volt grounding receptacle with a green grounding conductor of the same size and type as the phase conductor and running in the same conduit.
- Make bonding to equipment with approved solderless connector. Contact surface shall be unpainted and thoroughly cleaned before connection is made to insure a good metal contact.

9.0 TRANSFORMERS

- Furnish dry type, three or single phase transformers of the size and voltage indicated on the Drawings, with two (two above and two below) 2-1/2" FCN taps housed in a drip-proof enclosure with front accessible wiring compartment and conforming to the applicable requirements of ANSI, IEEE, and NEMA Standards.
- Core and coil assembly to be vacuum impregnated with Class H insulation. Temperature rise not to exceed 115 degrees C.
- Transformers sound level not exceed following values: 0 to 9 KVA, 36 db; 10 to 45 KVA, 42 db; 50 to 100 KVA, 45 db.
- Bolt floor mounted transformers to floor. When wall mounted, provide steel bracket angles and bolt transformer to bracket. Use neoprene isolation pads to isolate vibrations.
- Adjust primary taps to provide a secondary voltage within +/- 5% of nominal voltage.

LEGEND

- PWR. XFMR. 3PH. DELTA CONNECTION
 WYE GROUNDED
 NEUTRAL CONNECTION
- POTENTIAL XFMR. MEDIUM DRAWOUT PRIMARY
 FUSED NUMERAL INDICATES QUANTITY.
- CONTROL POWER XFMR.
- CURRENT LIMITING FUSE
- SURGE CAPACITOR & LIGHTNING ARRESTER
- FLOW SWITCH
- FLOAT SWITCH
- PRESSURE SWITCH
- RELAY CONTACT NORMALLY OPEN, CLOSSES ON ENERGIZATION, OPENS ON DE-ENERGIZATION
- RELAY CONTACT NORMALLY CLOSED, OPENS ON ENERGIZATION, CLOSSES ON DE-ENERGIZATION
- RELAY CONTACT
- TOGGLE SWITCH ON-OFF TYPE
- PUSH BUTTON
- PUSH BUTTON, ON-OFF TYPE, MAINTAINED POSITION.
- LIMIT SWITCH
- OVERLOAD
- TEMPERATURE ACTUATED SWITCH

- UNDERGROUND POWER CONDUIT
- UNDERGROUND TELEPHONE CONDUIT
- GROUNDING CONDUCTOR
- ELECTRICAL CIRCUIT RUN EXPOSED
- ELECTRICAL CIRCUIT RUN CONCEALED OR UNDERGROUND
- EXPOSED ELECTRICAL CIRCUIT TURNING UP
- EXPOSED ELECTRICAL CIRCUIT TURNING DOWN
- DESIGNATES CIRCUIT(S) IN CONDUIT RUN FROM POWER OR LIGHTING PANELS. LETTER INDICATES PANEL, NUMBERS INDICATES CKTS.
- 'LB' FITTING
- PULL BOX(SEE PLANS TO DETERMINE TYPE-ABOVE GRADE OR BELOW GRADE)
- JUNCTION BOX
- SURFACE OR PENDANT MOUNTED FIXTURE
- EXIT LIGHT FIXTURE
- FLUORESCENT FIXTURE (SEE PLANS FOR TYPE AND MOUNTING DETAILS).
- EXHAUST FAN CEILING MOUNTED
- EXHAUST FAN WALL MOUNTED
- ELECTRICAL PANEL
- COMBINATION MAGNETIC STARTER
- FUSED SAFETY SWITCH, NUMBER INDICATES POLES, TRIP AND FRAME SIZE O FOR TRIP INDICATES A NON-FUSED SWITCH
- MANUAL STARTER
- TRANSFORMER
- HORN
- BELL
- SMOKE DETECTOR
- GROUND ROD
- THERMOSTAT
- MOTOR
- DUPLEX CONVENIENCE OUTLET
- SINGLE OUTLET
- SPECIAL PURPOSE OUTLET
- DUPLEX RECEPTACLE PEDESTAL MOUNTED
- QUADRUPEX RECEPTACLE PEDESTAL MOUNTED
- GROUND FAULT INTERRUPTER RECEPTACLE
- EXPLOSION PROOF RECEPTACLE
- RECEPTACLE +48" A.F.F.
- QUADRUPEX RECEPTACLE
- JUNCTION BOX
- 6"-0" PLUGMOLD 2000 (6 OUTLETS) UNLESS OTHERWISE NOTED.
- TELEPHONE OUTLET
- SPEAKER
- EXPLOSION PROOF SWITCH
- SINGLE POLE SWITCH
- DOUBLE POLE SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH

MIAMI-DADE WATER AND SEWER DEPARTMENT

ENGINEERING DIVISION
3575 SOUTH LE JEUNE ROAD
MIAMI, FLORIDA 33146-2221



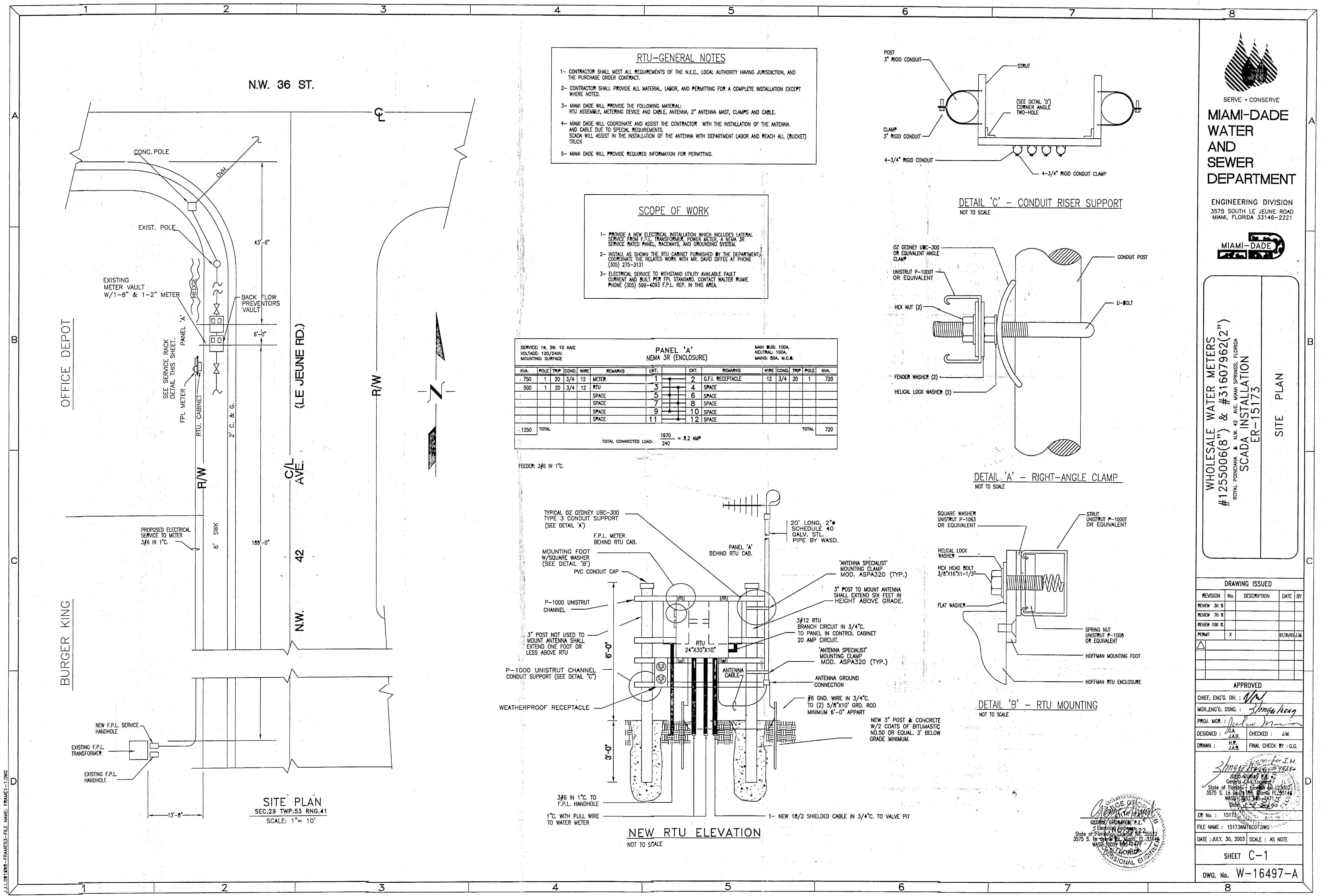
WHOLESALE WATER METERS
#1255006(8") & #31607962(2")
ROYAL PONGKAW & NW 42 AVE MIAMI SPRINGS, FLORIDA
SCADA INSTALLATION
ER-15173
ELECTRICAL SPECIFICATIONS AND LEGEND

DRAWING ISSUED			
REVISION	No.	DESCRIPTION	DATE BY
REVIEW	30 %		
REVIEW	70 %		
REVIEW	100 %		
PERMIT	x		07/30/03 G.G.

APPROVED
CHIEF, ENG'G. DIV.:
MGR, ENG'G. DESIG.:
PROJ. MGR.:
DESIGNED: J.A.B. CHECKED: G.G.
DRAWN: J.A.B. FINAL CHECK BY: G.G.

GEORGE CHERRY
Florida Electrical Society
3575 S. Le Jeune Road
Miami, Florida 33146
Professional Engineer
No. 15173
FILE NAME: 15173M160Y.DWG

DATE: JULY 30, 2003 SCALE: N/S
SHEET E-1
DWG. No. W-16498-A



RTU-GENERAL NOTES

- 1- CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE N.E.C., LOCAL AUTHORITY HAVING JURISDICTION, AND THE PURCHASE ORDER CONTRACT.
- 2- CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, AND PERMITTING FOR A COMPLETE INSTALLATION EXCEPT WHERE NOTED.
- 3- MIAMI DADE WILL PROVIDE THE FOLLOWING MATERIAL:
RTU ASSEMBLY, METERING DEVICE AND CABLE, ANTENNA, 2" ANTENNA MAST, CLAMPS AND CABLE.
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SERVICE: 1#, 3W, 10 KAIC

VOLTAGE: 120/240V.

MOUNTING: SURFACE

PANEL 'A'

NEMA 3R (ENCLOSURE)

MAIN BUS: 100A

NEUTRAL: 100A

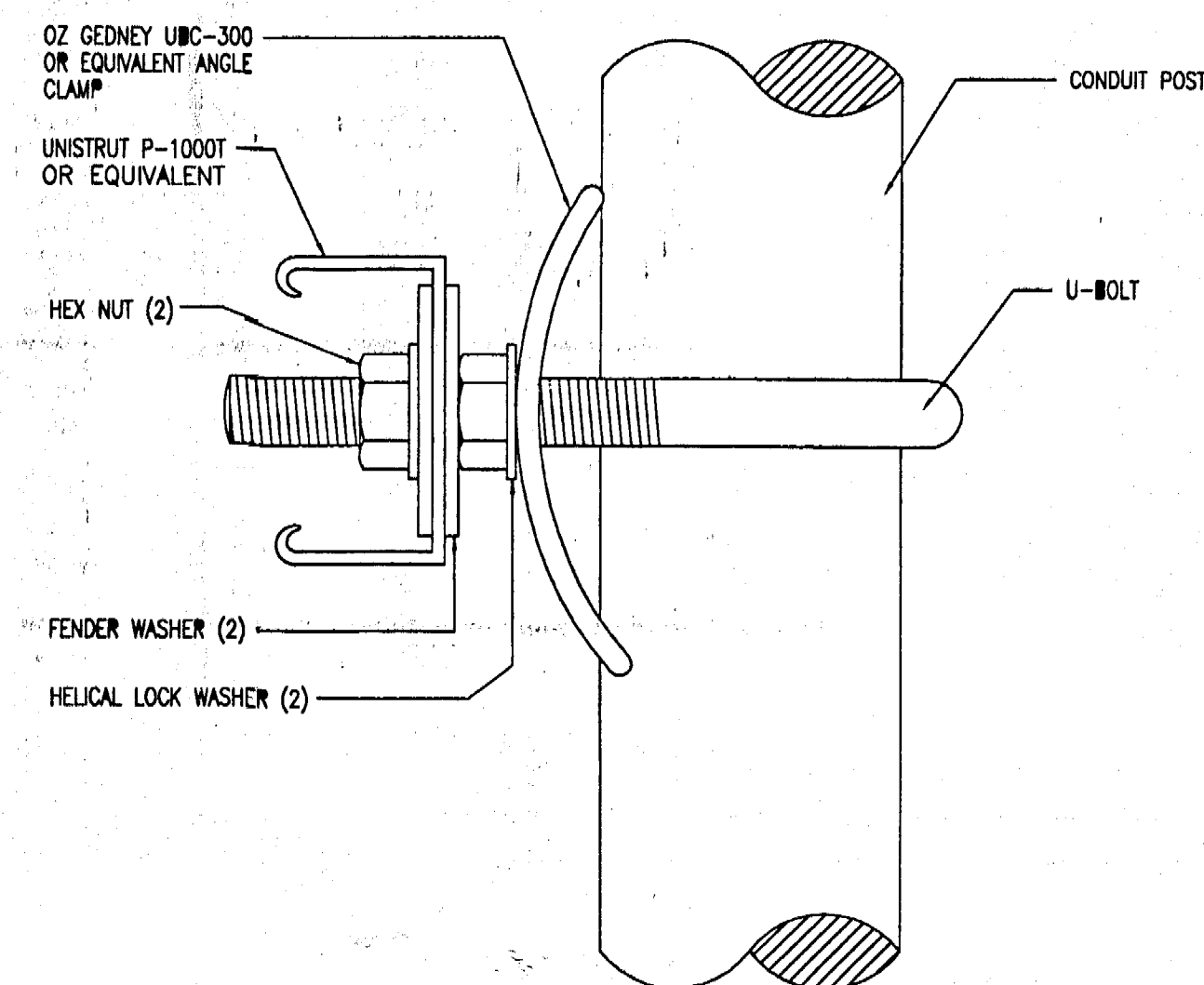
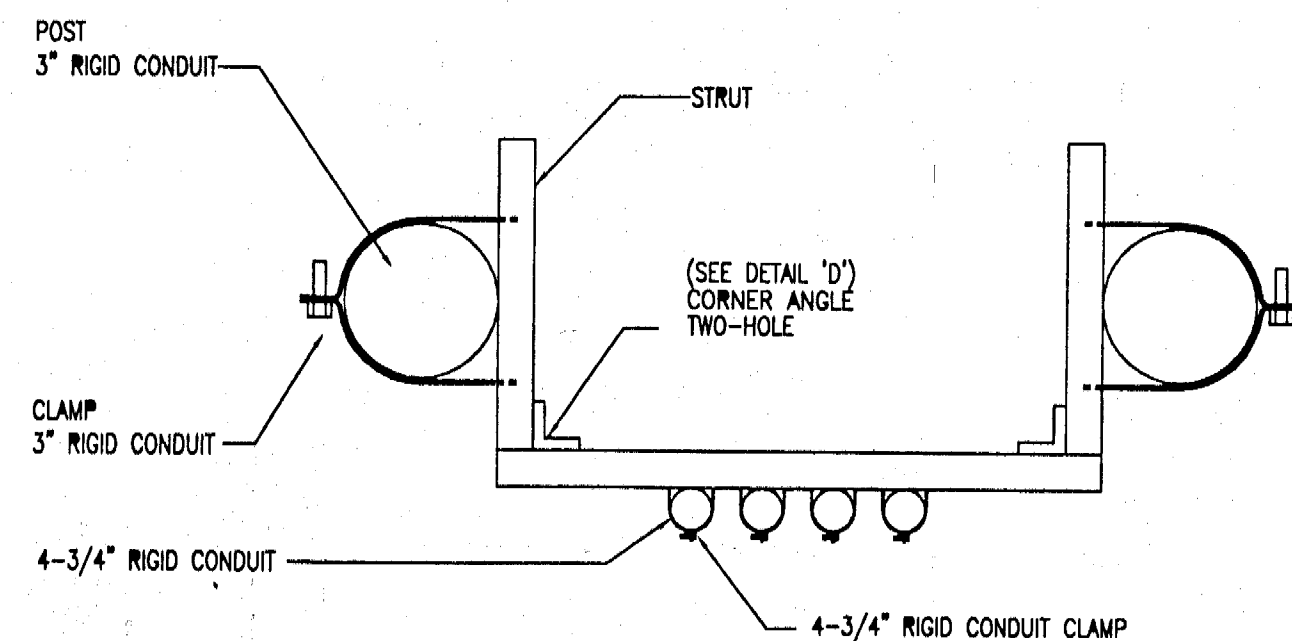
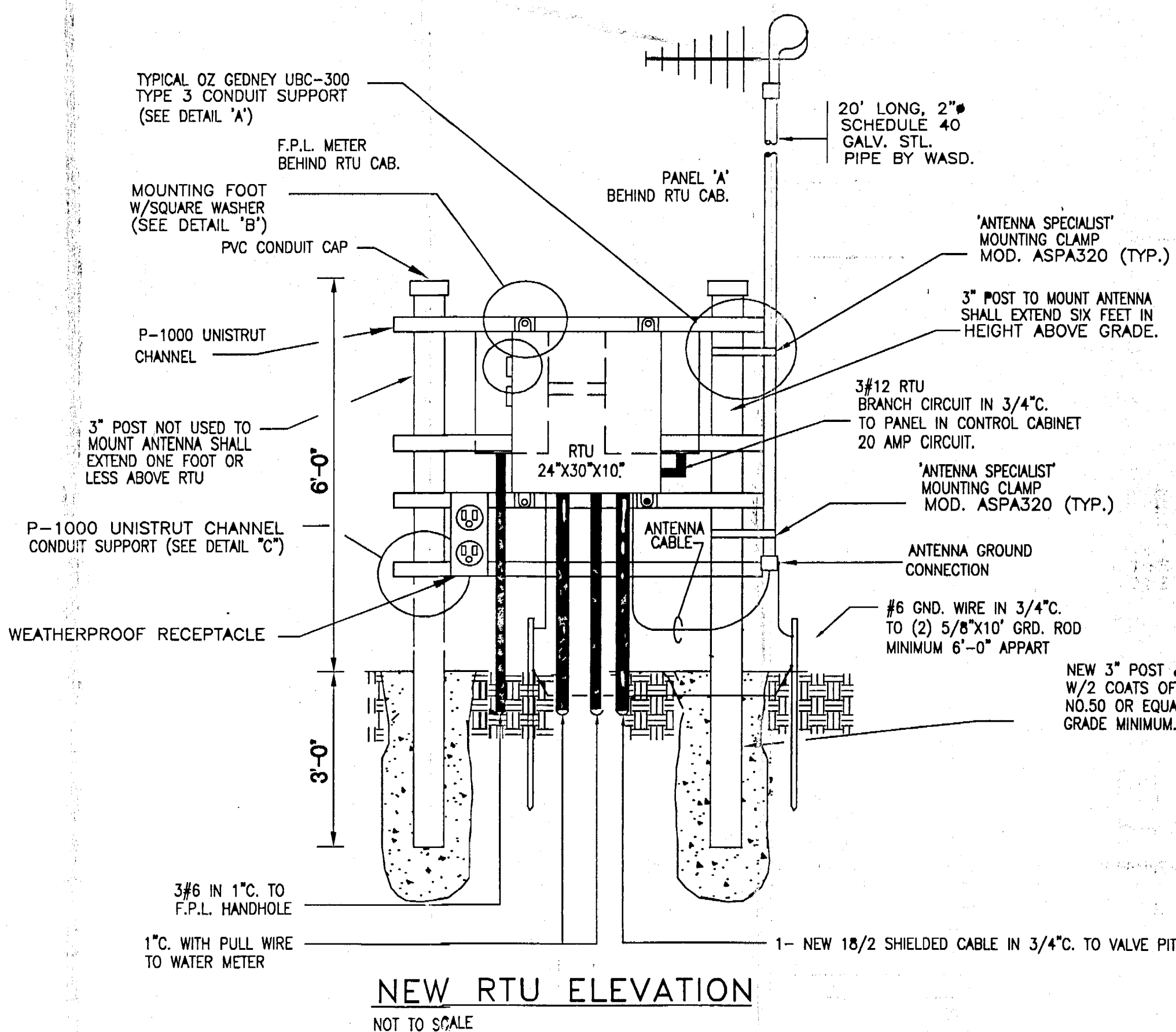
MANS: 50A, M.C.B.

KVA	POLE	TRIP	COND.	WIRE	REMARKS	CKT.	CKT.	REMARKS	WIRE	COND.	TRIP	POLE	KVA	
750	1	20	3/4	12	METER	1	2	G.F.I. RECEPTACLE	12	3/4	20	1	720	
500	1	20	3/4	12	RTU	3	4	SPACE						
					SPACE	5	6	SPACE						
					SPACE	7	8	SPACE						
					SPACE	9	10	SPACE						
					SPACE	11	12	SPACE						
1250	TOTAL												TOTAL	720

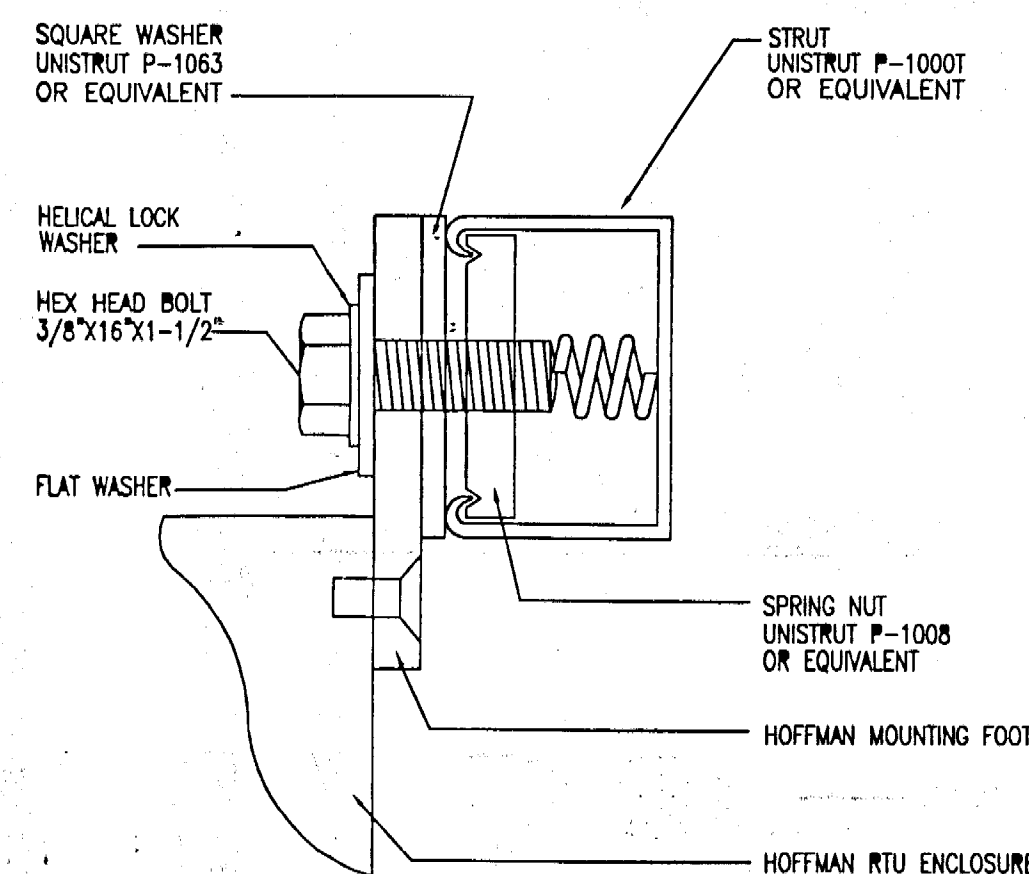
TOTAL CONNECTED LOAD: 1970 = 8.2 AMP

240

FEEDER: 3/6 IN 1" C.



DETAIL 'A' - RIGHT-ANGLE CLAMP
NOT TO SCALE



DETAIL 'B' - RTU MOUNTING
NOT TO SCALE



MIAMI-DADE
WATER
AND
SEWER
DEPARTMENT

ENGINEERING DIVISION
3575 SOUTH LE JEUNE ROAD
MIAMI, FLORIDA 33146-2221



WHOLESALE WATER METERS
#1255006(8) & #31607962(2)
ROYAL PONCANA & N.W. 42 AVE. MIAMI SPRINGS, FLORIDA
SCADA INSTALLATION
ER-15173

SITE PLAN

DRAWING ISSUED

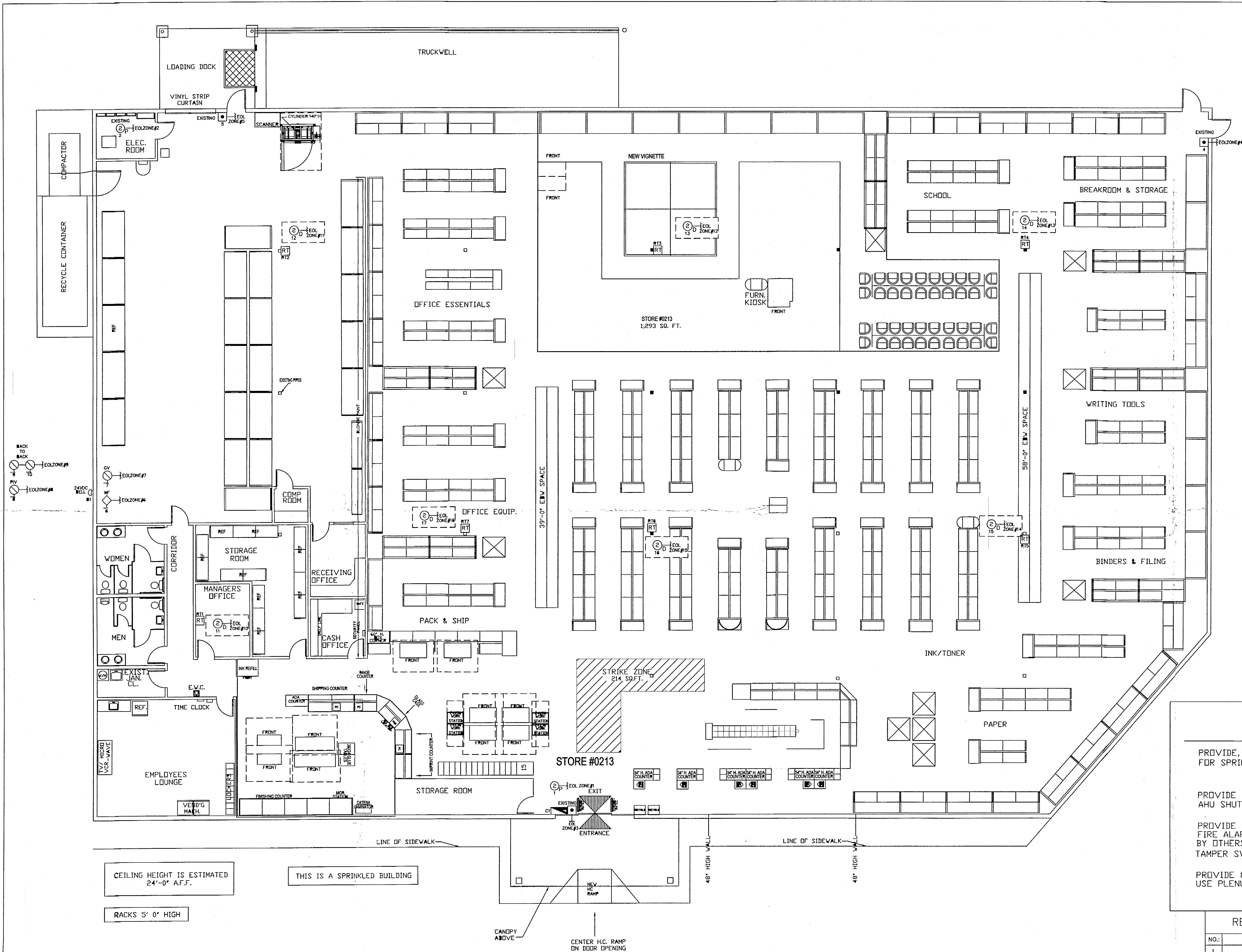
REVISION	No.	DESCRIPTION	DATE	BY
REVIEW	30 %			
REVIEW	70 %			
REVIEW	100 %			
PERMIT	X		07/30/03 J.M.	

APPROVED

CHIEF, ENG'G. DIV. : *[Signature]*
MGR. ENG'G. DSNG. : *[Signature]*
PROJ. MGR. : *[Signature]*
DESIGNED : J.A.B. CHECKED : J.M.
DRAWN : J.A.B. FINAL CHECK BY : G.G.

[Signature]
JULIO A. BARRERA
General Civil Engineer
State of Florida License No. 1255006
3575 S. Le Jeune Rd., Miami, FL 33146
WASH. (305) 365-2471
Fax: (305) 365-2472

ER No. : 15173
FILE NAME : 15173WV601.DWG
DATE : JULY, 30, 2003 SCALE : AS NOTE
SHEET C-1
DWG. No. W-16497-A



FIRE ALARM SYSTEM TO BE
INSTALLED IN ACCORDANCE WITH
NFPA 72; 70; 101.

APPROVED	
MIAMI-DADE COUNTY FIRE DEPARTMENT	
BLDG. PERMIT	FIRE ALARM
FIRE SUPPRESSION	WATER MAIN EXT.
DATE: 8/3/09 BY: JH	

FIRE ALARM SHALL BE A CENTRAL
STATION SERVICE. A CERTIFICATE
OR PLACARD SHALL BE POSTED AT
FINAL INSPECTION, AS PER NFPA 72
CITY OF MIAMI SPRINGS, FLA.

OFFICE COPY
CITY OF MIAMI SPRINGS

SCOPE OF WORK

- PROVIDE, INSTALL, CONNECT & TEST FIRE ALARM EQUIPMENT FOR SPRINKLER MONITORING SYSTEM.
- PROVIDE POWER TO POWER EXISTING DUCT-MOUNTED SMOKE DETECTORS & AHU SHUTDOWN RELAYS TO FIRE ALARM CONTROL PANEL.
- PROVIDE & INSTALL ALL WIRE & CABLE NECESSARY FOR A COMPLETE FIRE ALARM SYSTEM, INCLUDING CONNECTION TO DEVICES PROVIDED BY OTHERS: a. SPRINKLER WATERFLOW SWITCH b. SPRINKLER VALVE TAMPER SWITCH.
- PROVIDE & INSTALL, 18 DEVICES & 1 FIRE ALARM CONTROL PANEL USE PLENUM RATED CABLE WITH STUB-UPS

REVISIONS

NO.	DATES	BY
1		
2		
3		
4		
5		
6		
7		

ADT

SECURITY SERVICES, INC.

10785 MARKS WAY, MIRAMAR, FLORIDA 33025

(954) 481-3733 FAX (954) 266-5097

GEORGE A. MANGINELLI EF# 0001121

Office Depot

Taking Care of Business

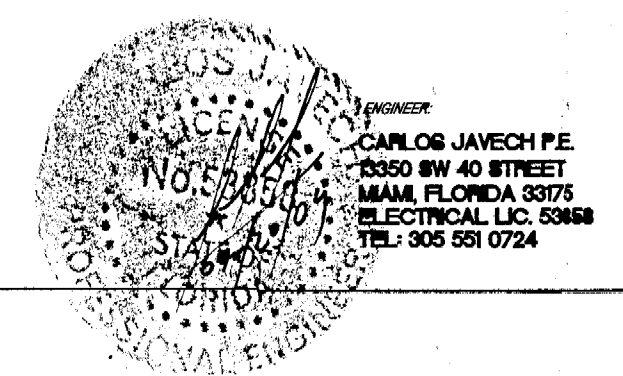
3600 LE JEUNE ROAD

MIAMI SPRINGS, FLORIDA 33166

DESIGNED BY:	SPRINKLER MONITORING PLAN	DWG. BY:
DATE:	7/14/09	R.C.
SCALE:	1/8" = 1'-0"	
SHEET NO.:	1 of 2	
DWG. NO.:	00000	

FLOOR PLAN

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



LAST PAGE

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