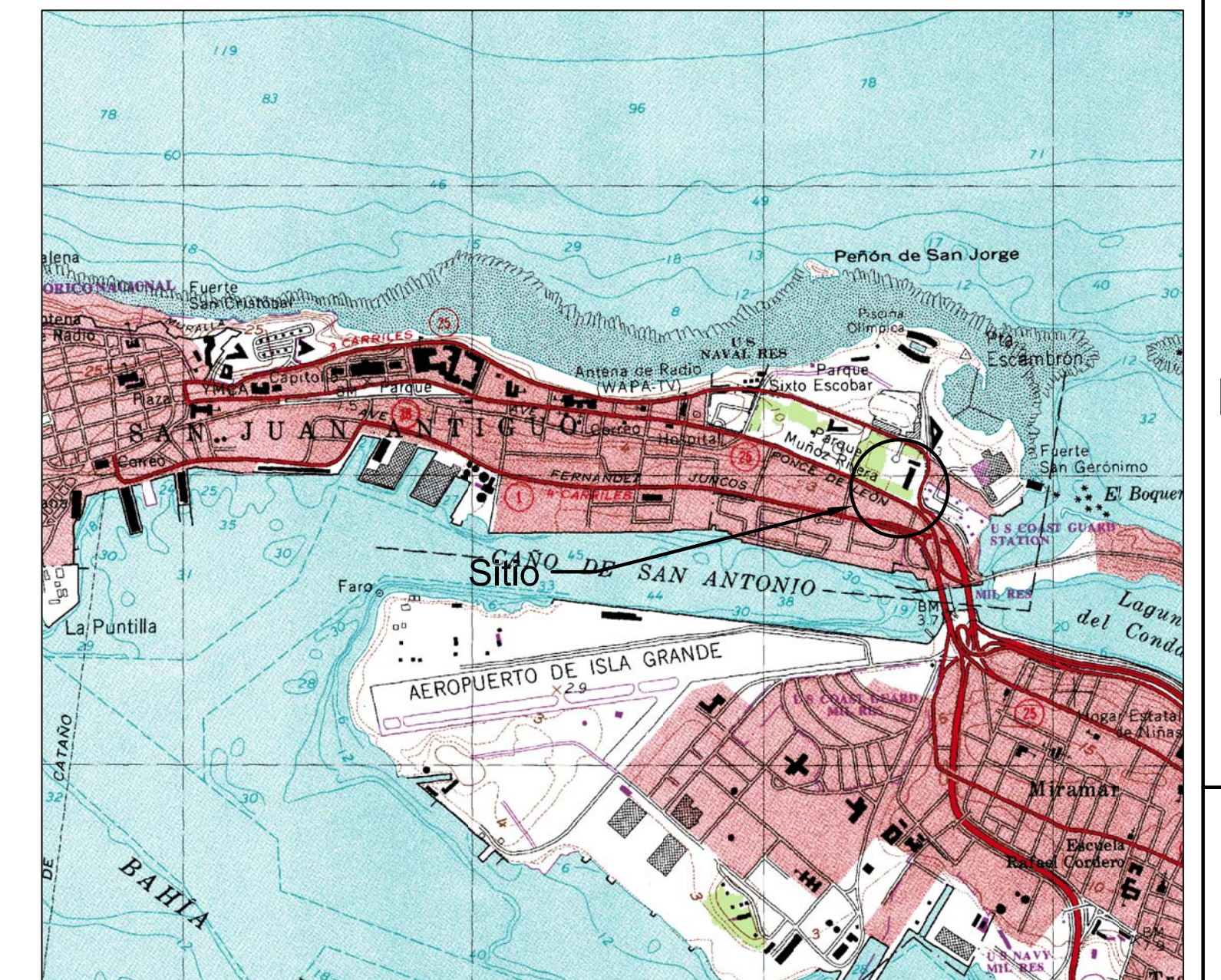


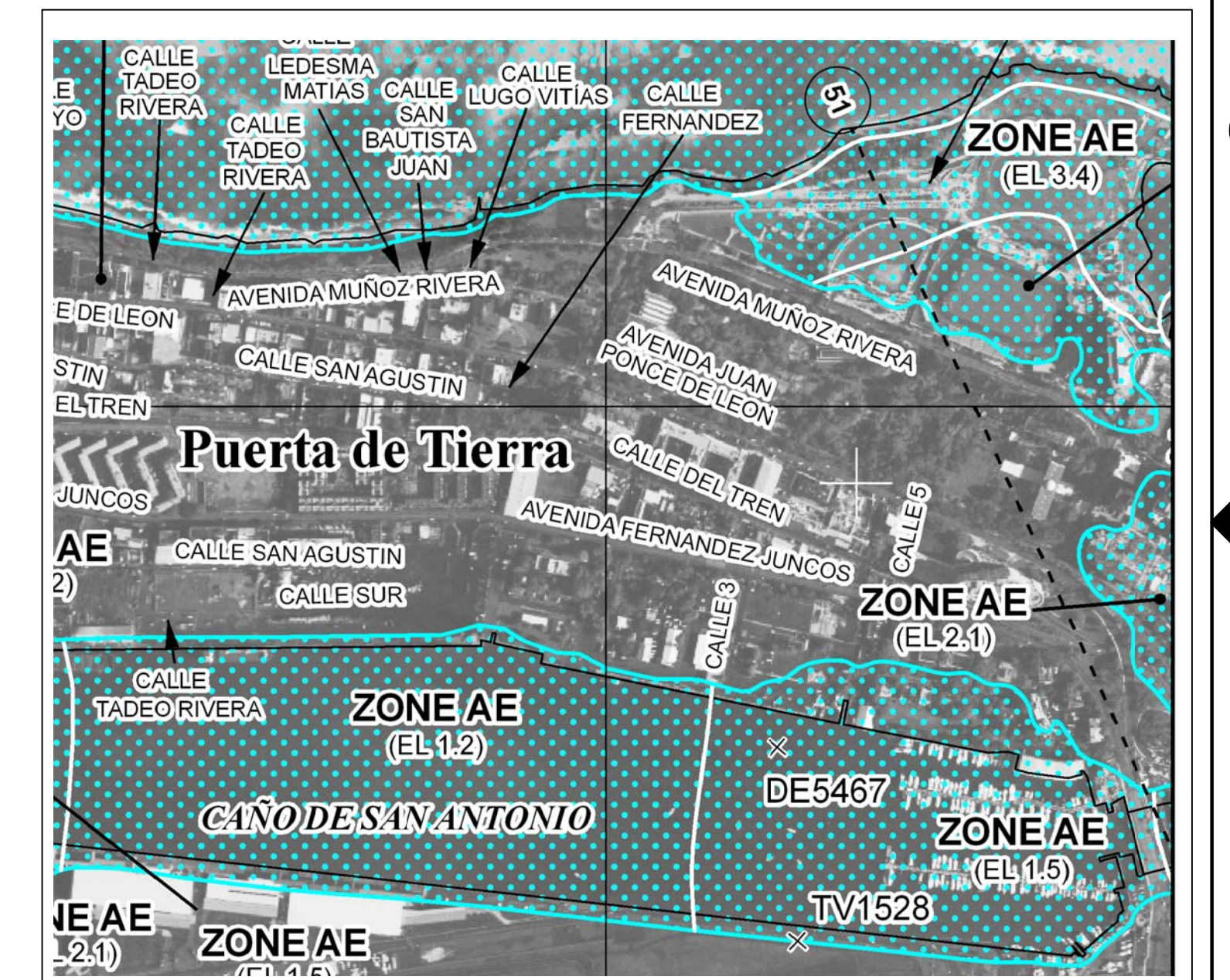


# <Mejoras a Entrada Vehicular> Tribunal Supremo de Puerto Rico

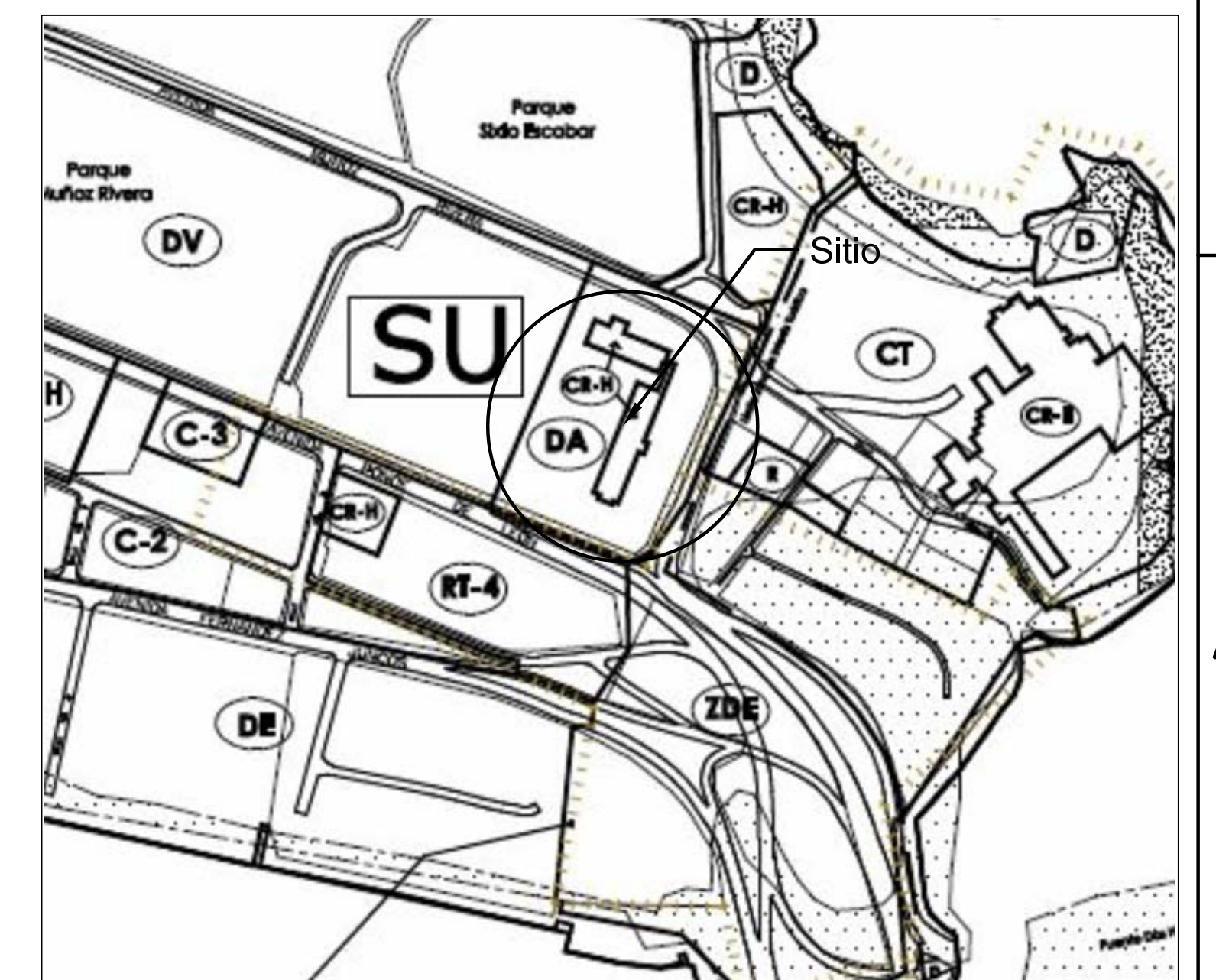
Parque Luis Muñoz Rivera, Puerta de Tierra - San Juan, PR



US Geological Survey Map DMA 1323 SE-Series E385 Photorevised 1982



Mapa de Inundación Hoja Número 9D Vigencia 18 de junio de 1991



Mapa de Calificación de Suelo Hoja Número E8 Vigencia 13 de marzo de 2003

**Indice de Hojas:**

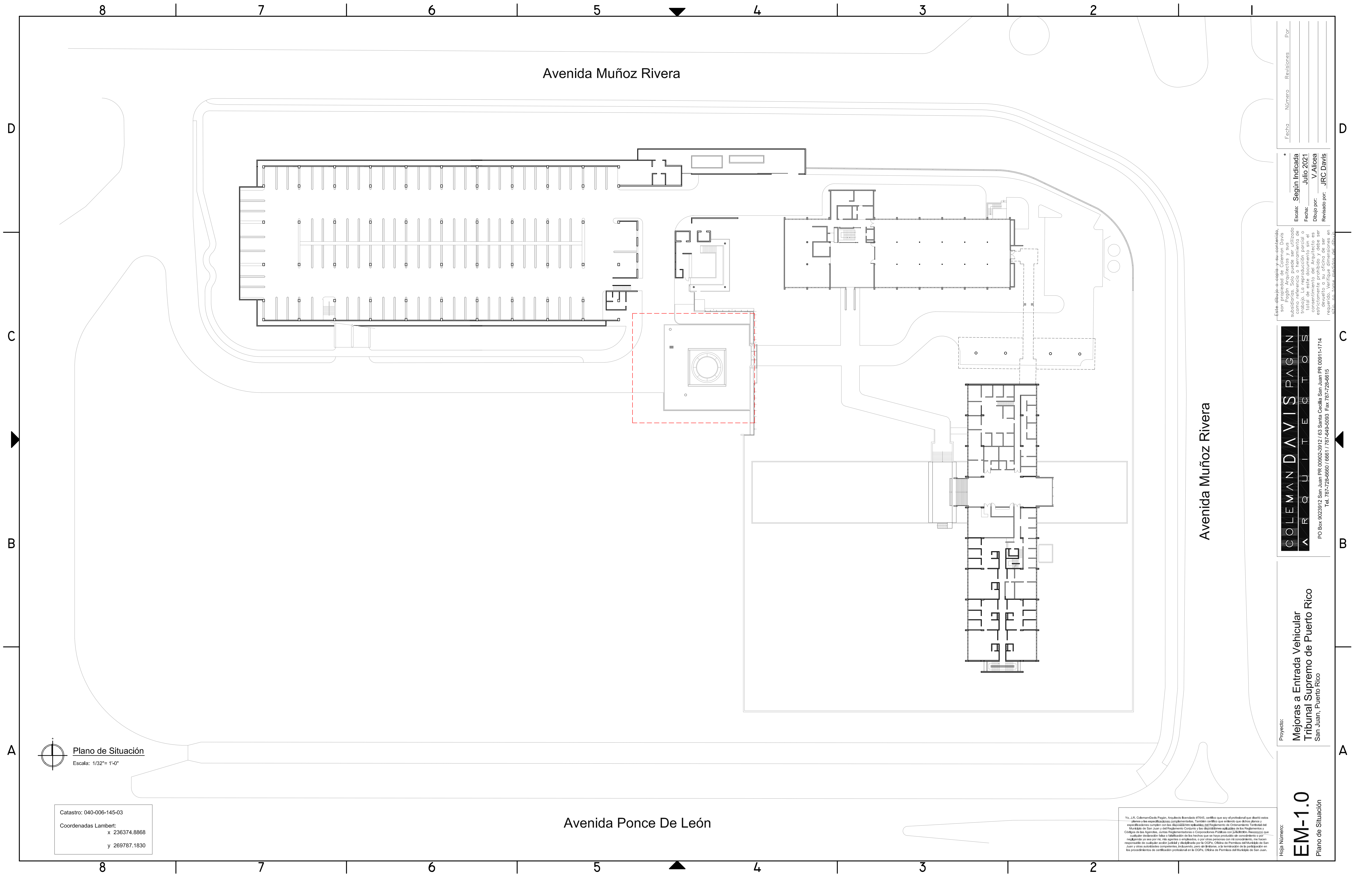
- T-00 Hoja de Título
- EM-1.0 Plano de Emplazamiento
- A-1.0 Planta Propuesta
- A-1.1 Plantas Parciales
- A-2.0 Secciones
- A-3.0 Detalles
- A-3.1 Detalles

Julio 2021

**COLEMAN DAVIS PAGAN**  
ARQUITECTOS

PO Box 9023912 San Juan PR 00902-3912 / 63 Santa Cecilia San Juan PR 00911-1714  
Tel. 787-728-6661 www.davisarquitectos.com / davisarquitectos@yahoo.com





Avenida Muñoz Rivera

Avenida Muñoz Rivera

Avenida Ponce De León

D  
C  
B  
A

D  
C  
B  
A

Plano de Situación  
Escala: 1/32"= 1'-0"

Catastro: 040-006-145-03  
Coordenadas Lambert:  
x 236374.8868  
y 269787.1830

Yo, J.R. Coleman-Davis Pagán, Arquitecto Registrado #7645, certifico que soy el profesional que diseñó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento de Ordenamiento Territorial del Municipio de San Juan y del Reglamento Común y las disposiciones aplicables de los Reglamentos y Códigos de las Agencias, Juntas Reguladoras o Comisiones Reguladoras de Ordenamiento Territorial. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido en el consentimiento o por negligencia de una parte, me paraliza a nivel profesional, por lo que renuncio a mi consentimiento, me hago responsable de cualquier acción penal o disciplinaria que se tome en contra de mí, y de cualquier otro perjuicio que se derive de esta declaración, a la firma de este plano, en el momento de su aprobación por el COPR, Oficina de Permisos del Municipio de San Juan y otras autoridades competentes, incluyendo, pero sin limitarse, a la terminación de la participación en los procedimientos de certificación profesional en el COPR, Oficina de Permisos del Municipio de San Juan.

| Fecha          | Número       | Revisión | Por |
|----------------|--------------|----------|-----|
| Según Indicada |              |          |     |
| Escala:        |              |          |     |
| Fecha:         | Julio 2021   |          |     |
| Dibujó por:    | V. Allicea   |          |     |
| Revisado por:  | J.R.C. Davis |          |     |

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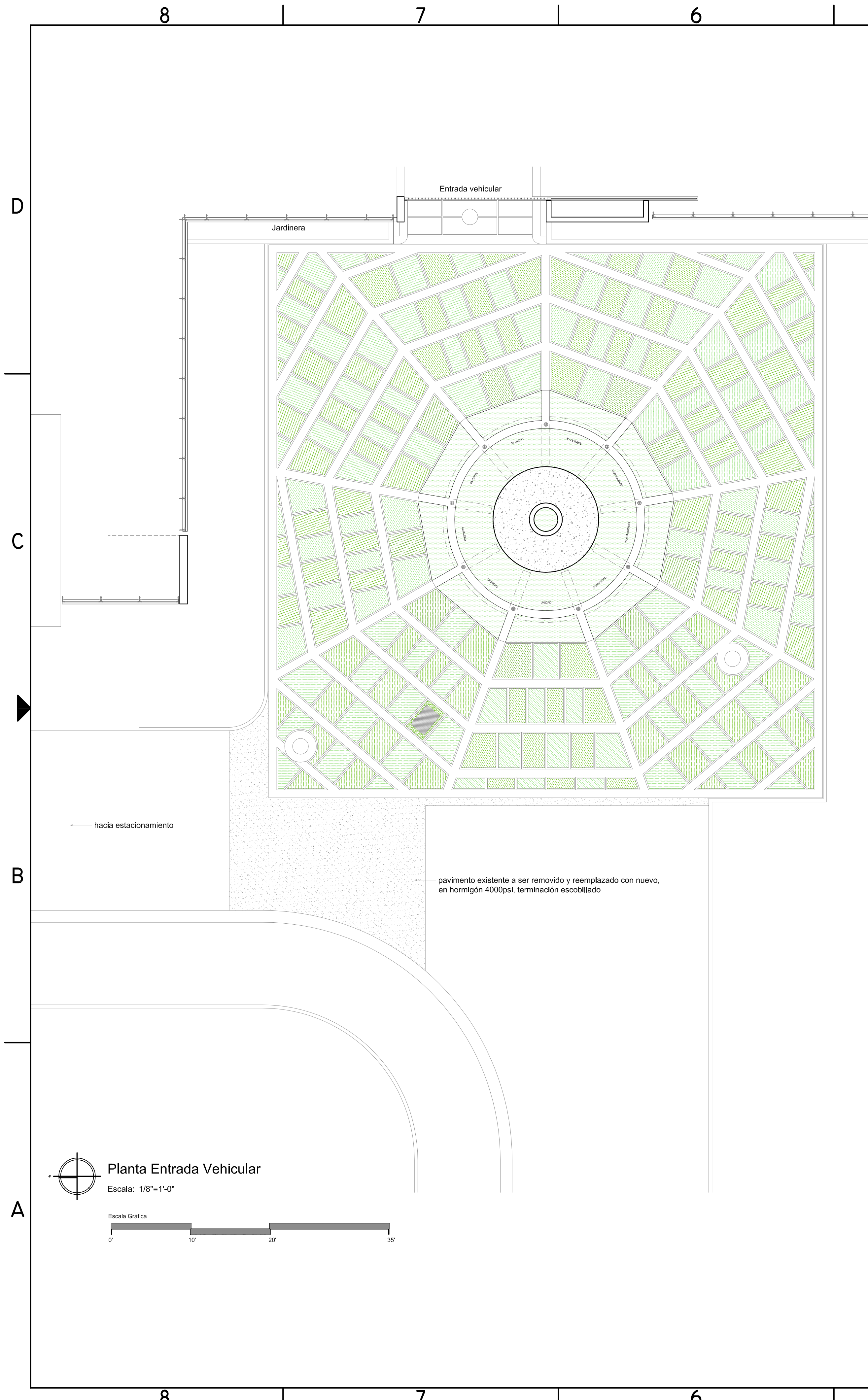
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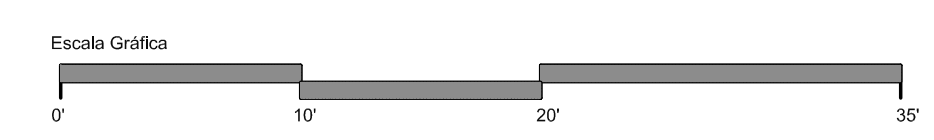
Proyecto:  
**Mejoras a Entrada Vehicular**  
**Tribunal Supremo de Puerto Rico**  
San Juan, Puerto Rico

Hoja Número:  
**EM-1.0**  
Plano de Situación

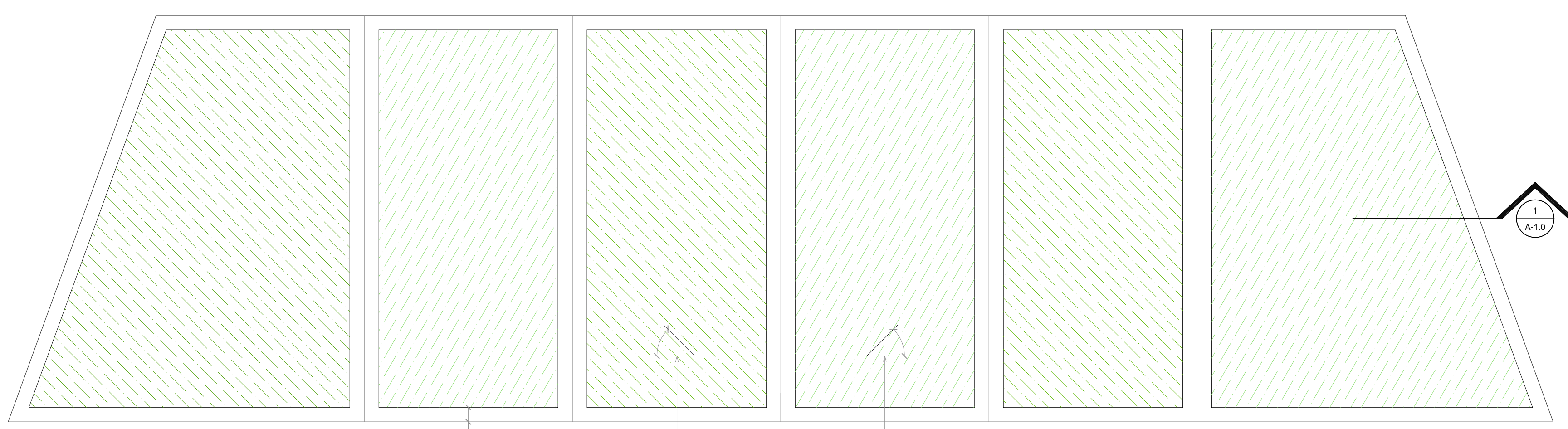




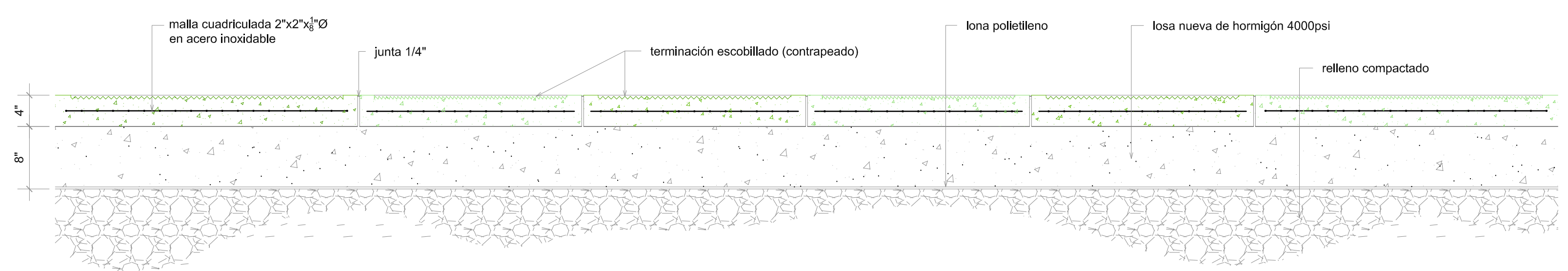
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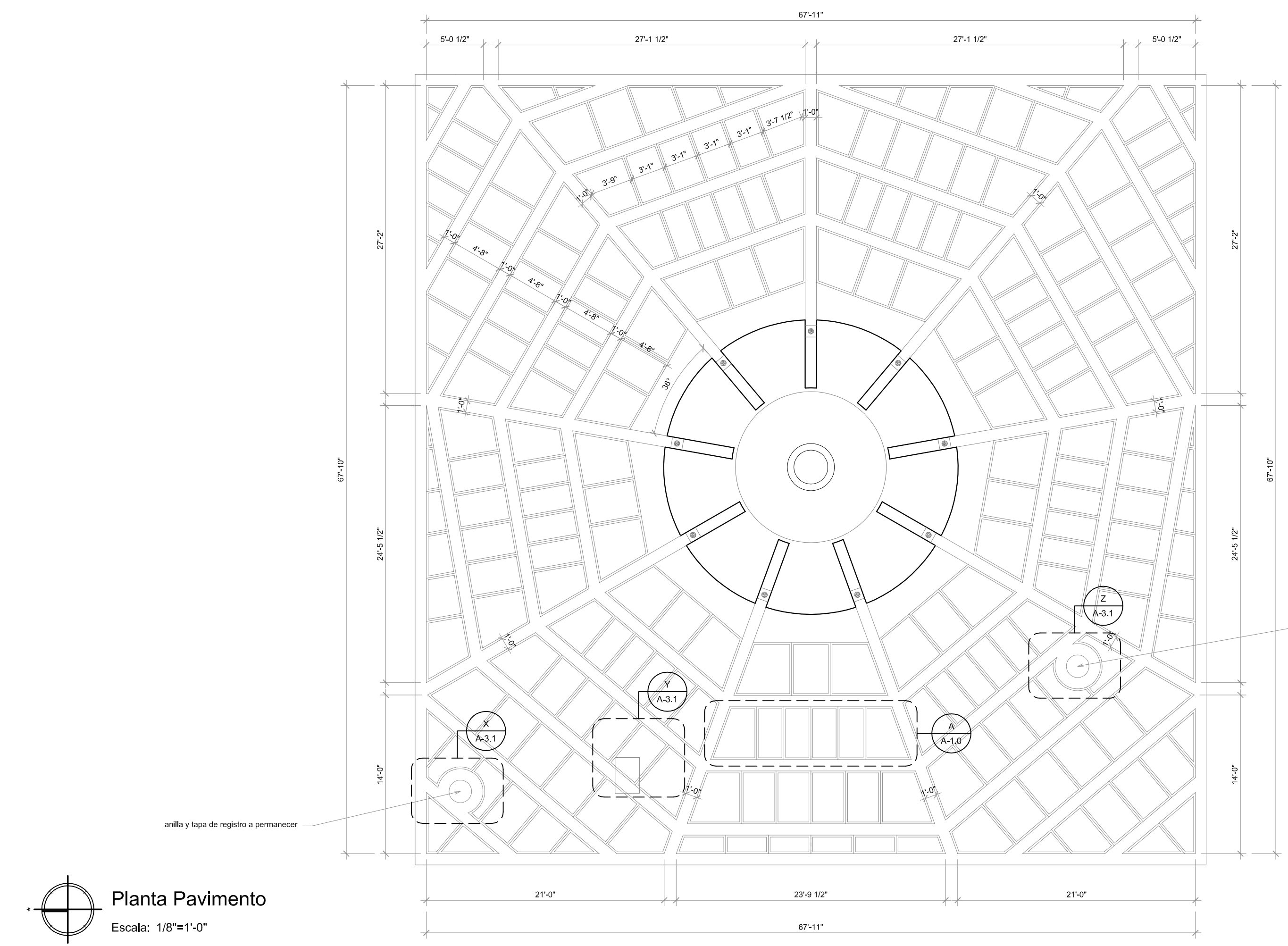
Planta Pavimento  
Escala: 1/8"=1'-0"



Planta Parcial - Patrón Pavimento  
Escala: 1"=1'-0"



Sección  
Escala: 1"=1'-0"



anillo y tapa de registro a permanecer

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| Fecha      | Número | Revisión | Por |
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Proyecto:  
**Mejoras a Entrada Vehicular**  
**Tribunal Supremo de Puerto Rico**  
San Juan, Puerto Rico

Hoja Número:  
**A-1.0**  
Planta Propuesta - Entrada Vehicular



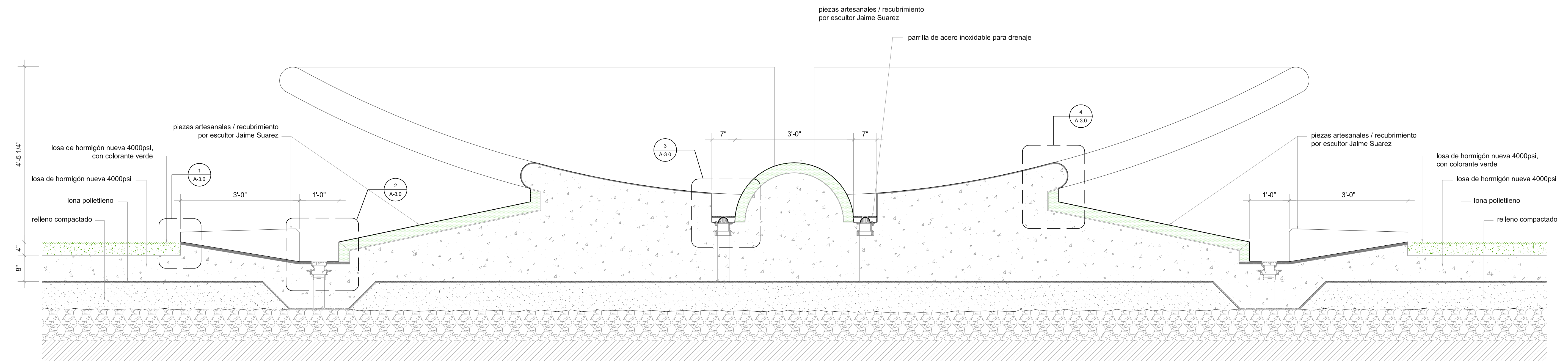




8 | 7 | 6 | 5 | 4 | 3 | 2

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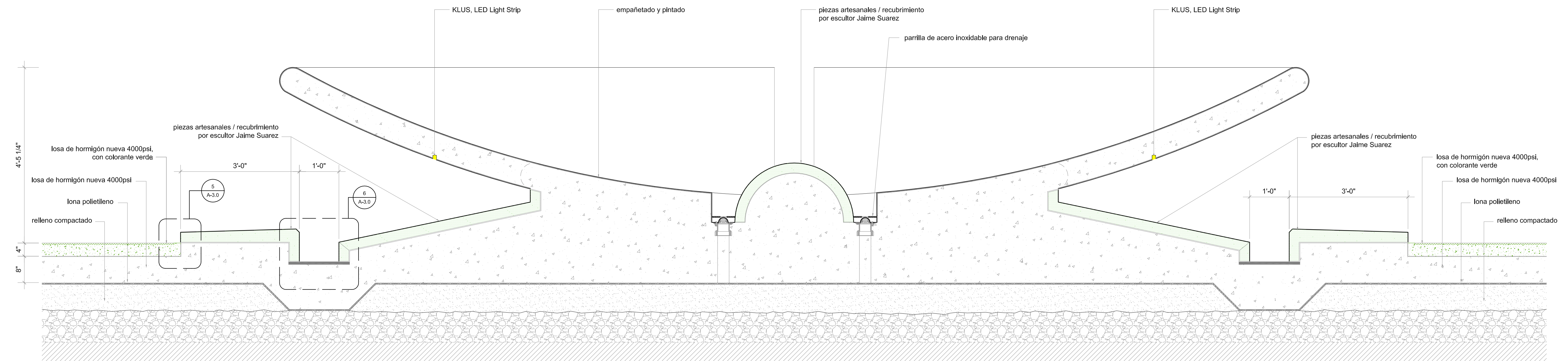
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Escala: 3/4"=1'-0"

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2 Sección  
Escala: 3/4"=1'-0"

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Escala Gráfica



8 | 7 | 6 | 5 | 4 | 3 | 2

| Fecha | Número | Revisión | Por |
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Fecha:  
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July 2021  
V. Alicia  
JRC

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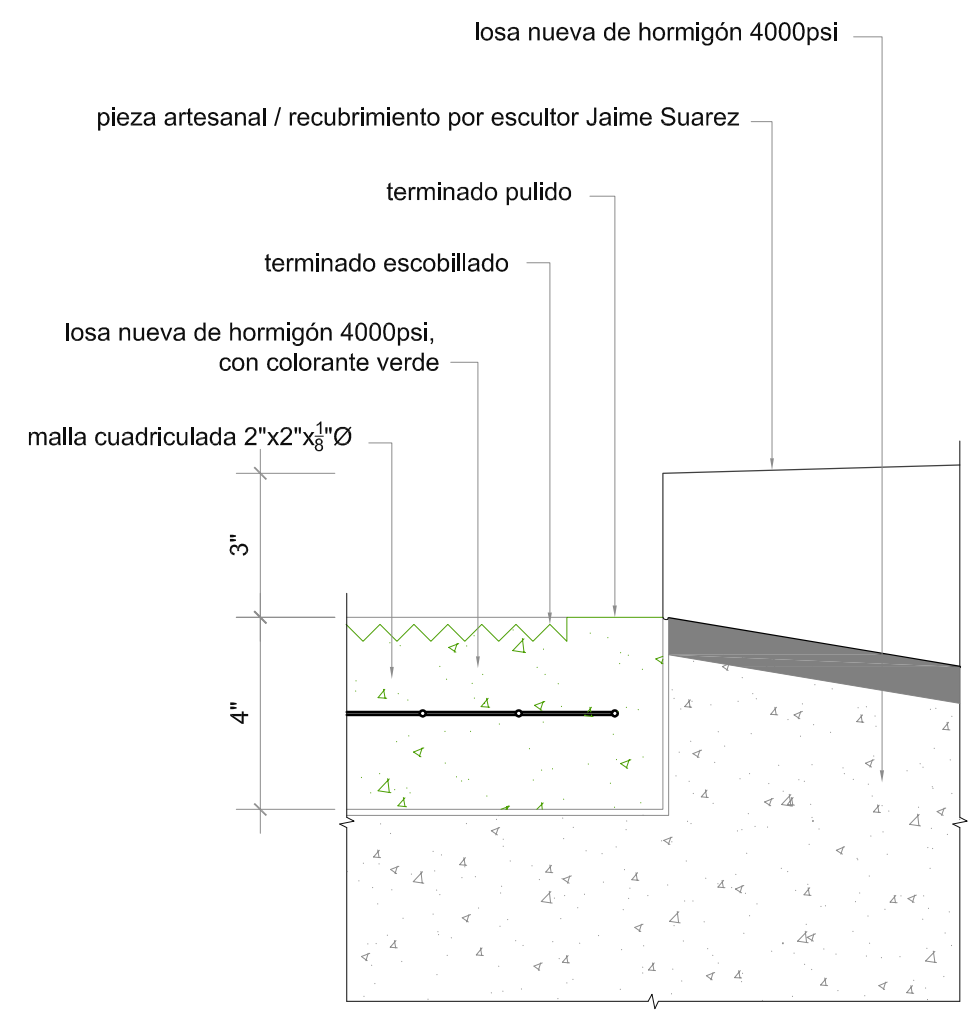
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Proyecto:  
**Mejoras a Entrada Vehicular**  
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San Juan, Puerto Rico

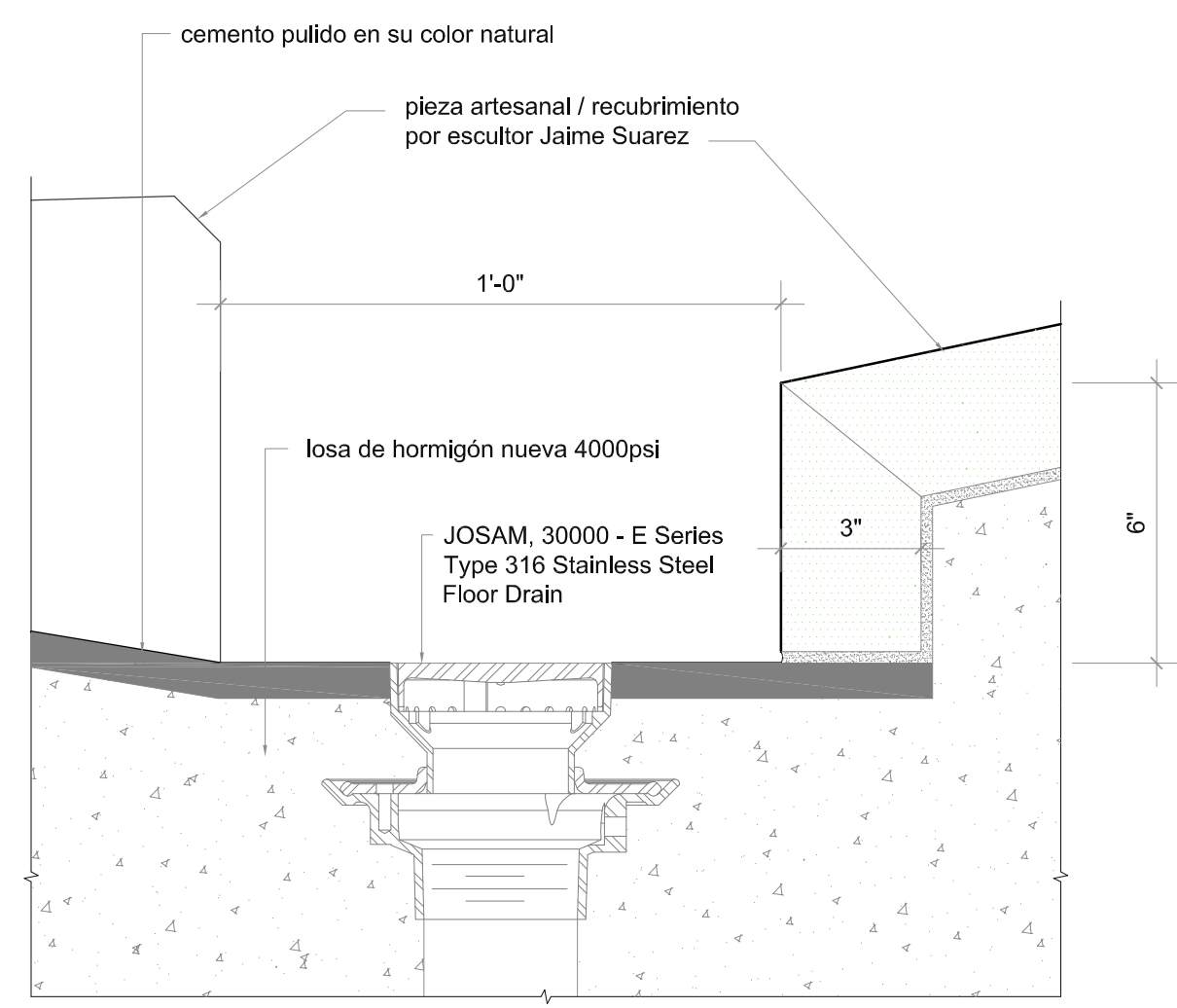
Hoja Número:  
**A-2.0**  
Secciones

Yo, J.R. Coleman-Davis Papan, Arquitecto Beroado #7645, certifico que soy el profesional que diseñó esta obra. Las especificaciones complementarias, también verifico que emitió que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento de Ordenamiento Territorial del Municipio de San Juan y del Reglamento General y las disposiciones aplicables de los Reglamentos y Códigos de las Agencias. Antes Reglamentarias o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se han producido de conformidad con el reglamento ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción penal y disciplinaria por la COPR. Oficio de Promotor del Municipio de San Juan y otras autoridades competentes. Induyendo, pero sin limitarse, a la liberación de la participación en los procedimientos de certificación profesional en la COPR. Oficina de Promotor del Municipio de San Juan.

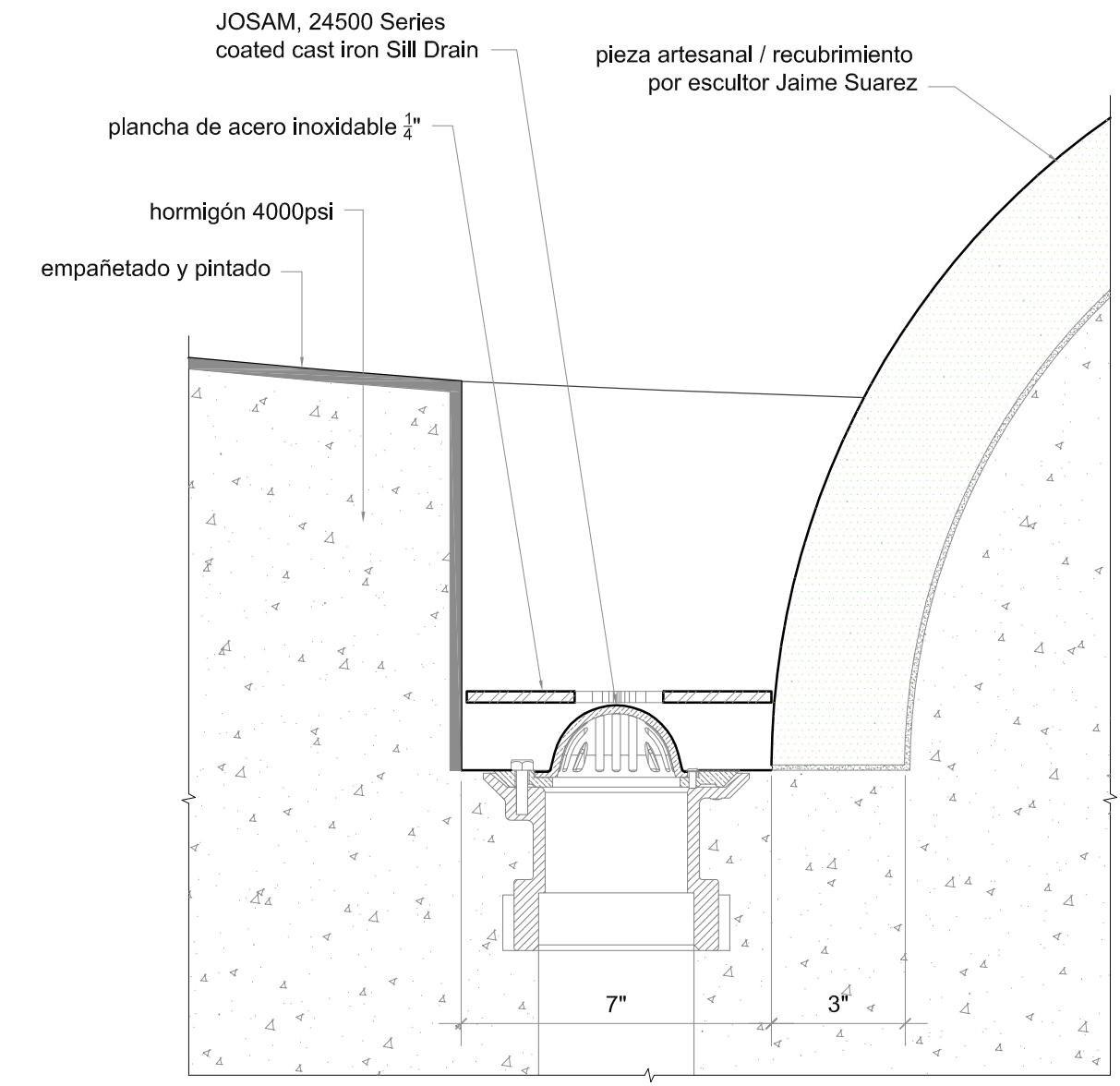




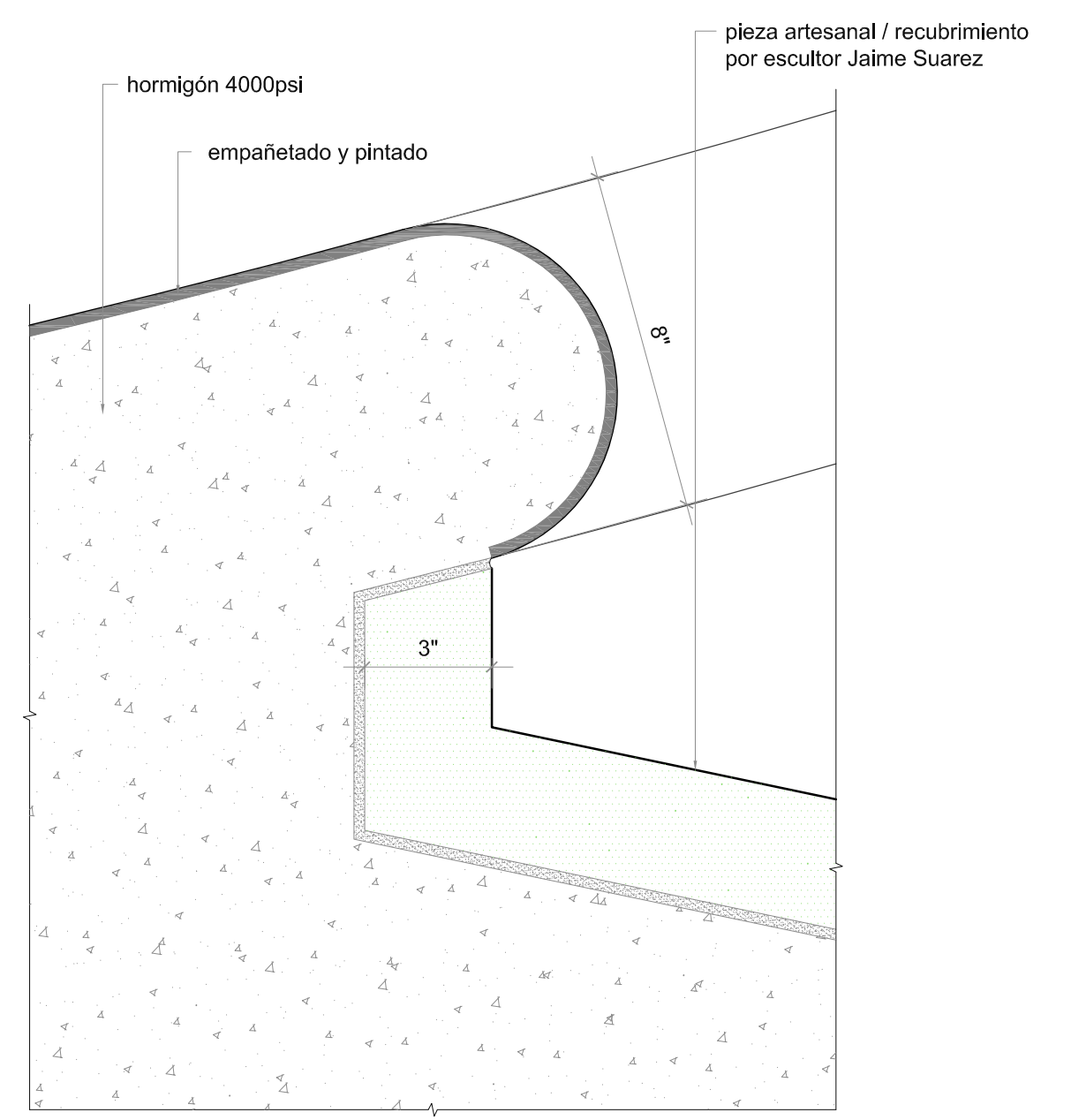
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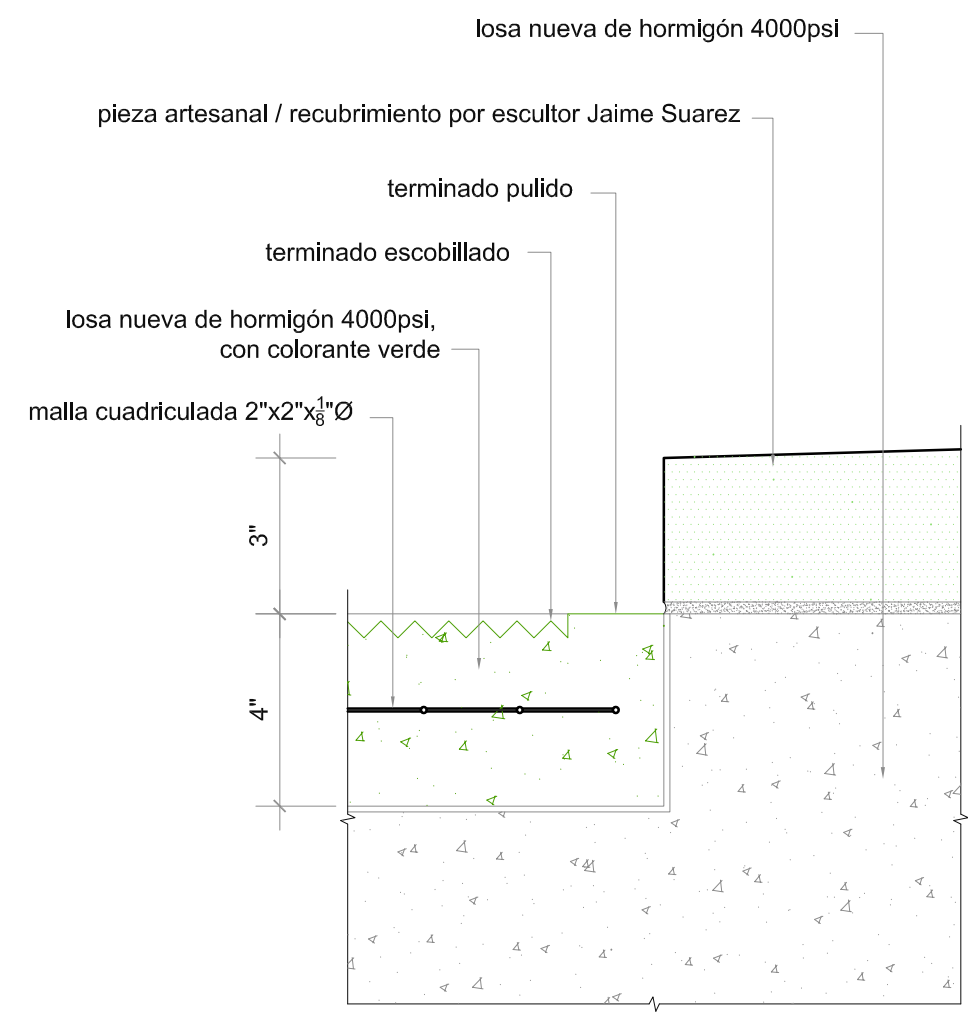
2 Detalle  
Escala: 3"=1'-0"



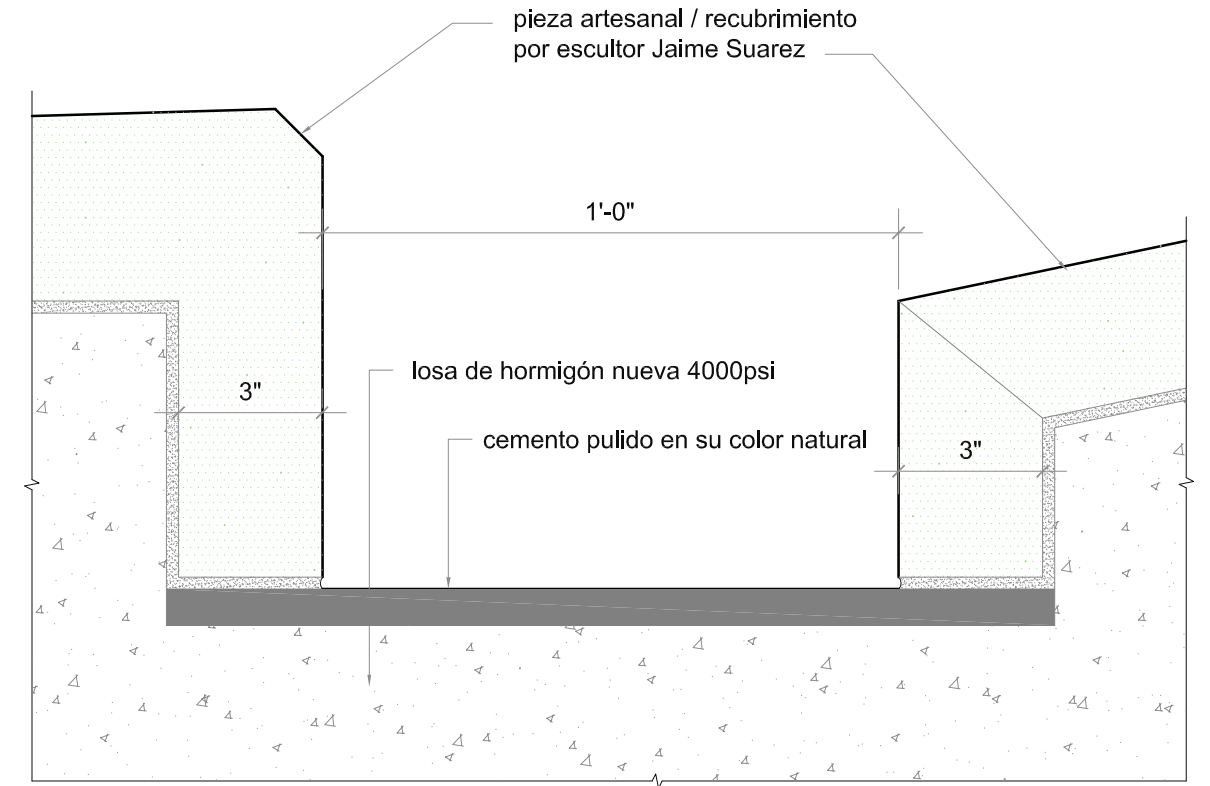
3 Detalle  
Escala: 3"=1'-0"



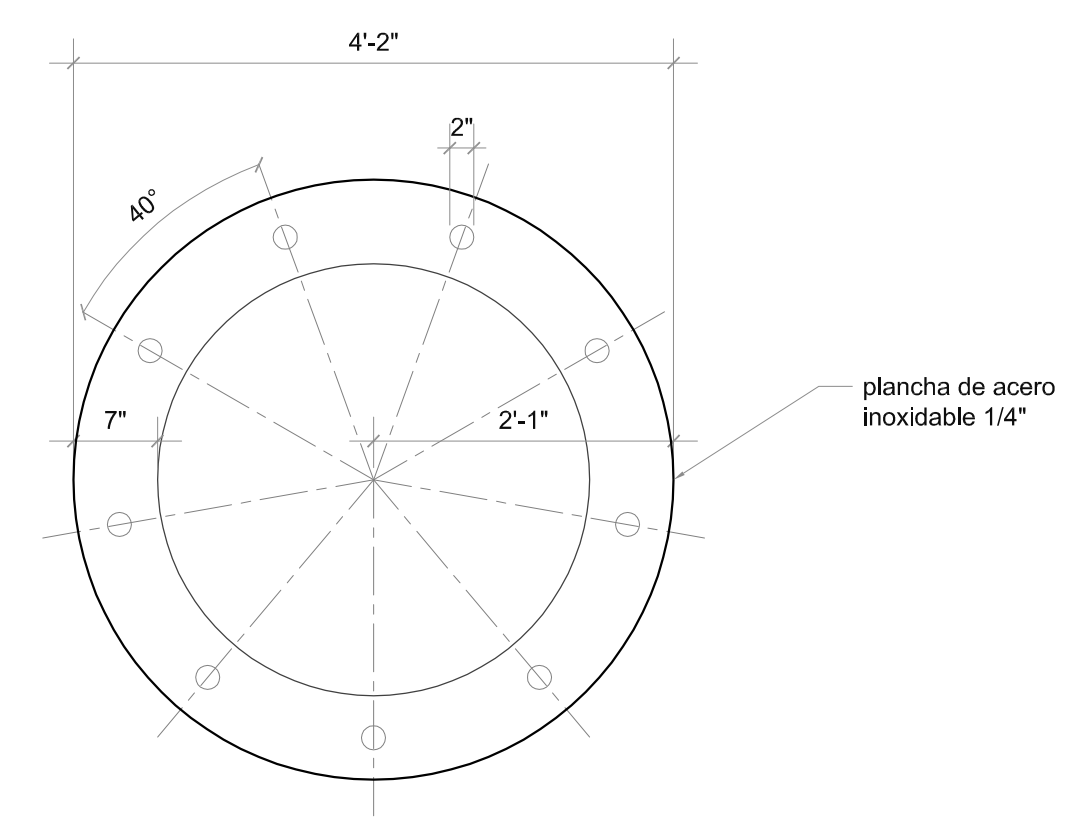
4 Detalle  
Escala: 3"=1'-0"



5 Detalle  
Escala: 3"=1'-0"



6 Detalle  
Escala: 3"=1'-0"



7 Parrilla Drenaje  
Escala: 3/4"=1'-0"

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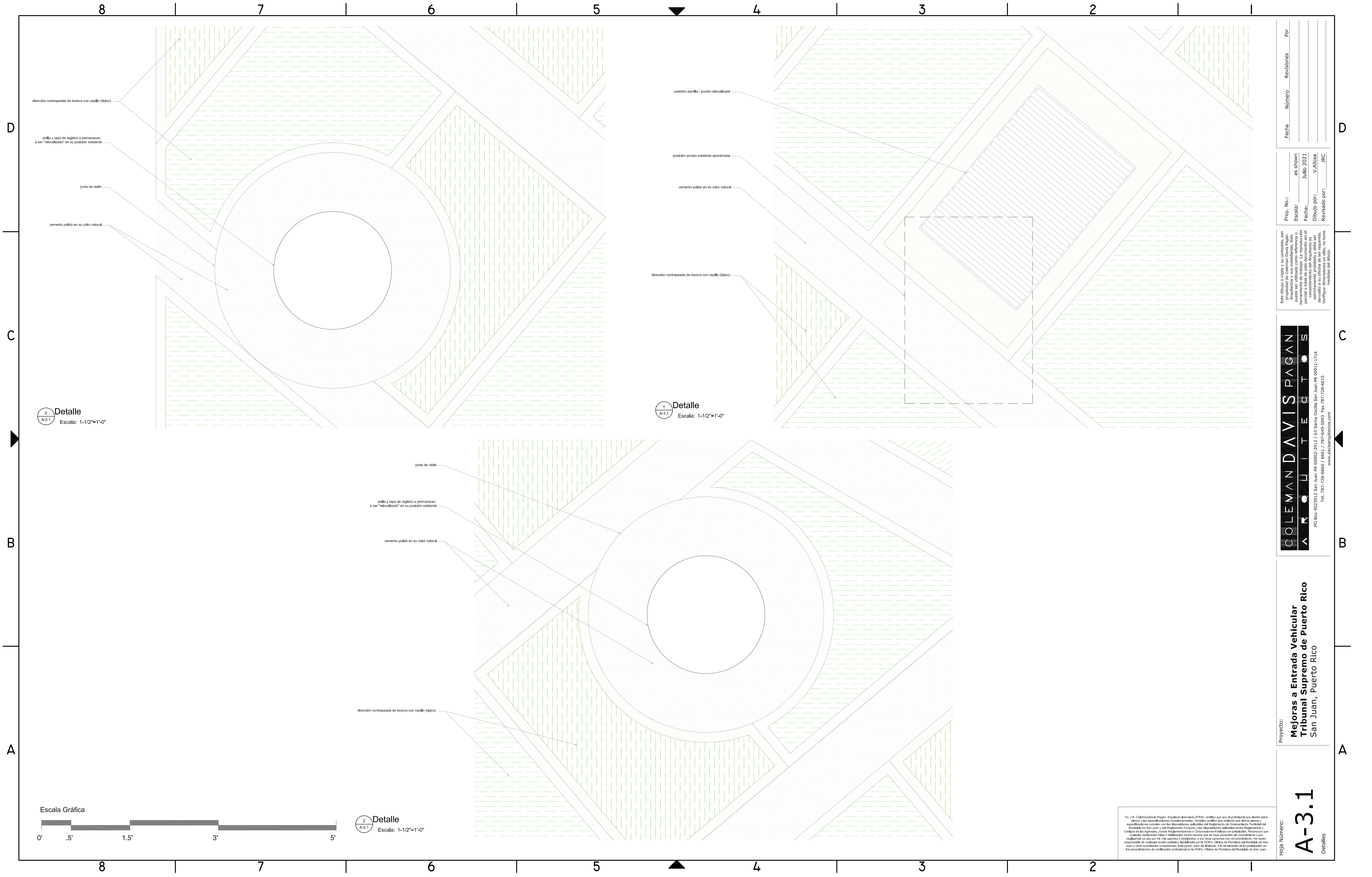
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**Tribunal Supremo de Puerto Rico**  
San Juan, Puerto Rico

Hoja Número:  
**A-3.0**  
Detalles

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| Fecha | Número | Revisión | Por |
|-------|--------|----------|-----|
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Proy. No.:  
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 Fecha: Julio 2021  
 Dibujo por: V. Alicia  
 Revisado por: JRC

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Proyecto:  
**Mejoras a Entrada Vehicular**  
**Tribunal Supremo de Puerto Rico**  
 San Juan, Puerto Rico

Hoja Número:  
**A-3.1**  
 Detalles

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STRUCTURAL NOTES :

GENERAL:

- 1- UNLESS OTHERWISE INDICATED, THESE NOTES APPLY TO ALL STRUCTURAL DRAWINGS OF THIS SET OF PLANS.
2- IN CASE OF DISCREPANCY BETWEEN THESE NOTES AND THE CONSTRUCTION DRAWINGS, SPECIFICATIONS OR ANY REFERRED STANDARD, THE MORE RESTRICTIVE PROVISION SHALL APPLY.
3- STRUCTURAL DRAWINGS SHALL BE COORDINATED AND SUPPLEMENTED BY ARCHITECTURAL, ELECTRICAL, MECHANICAL AND ANY OTHER BUILDING DRAWINGS.
4- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND BEFORE ORDERING ANY MATERIAL. DIFFERENCES BETWEEN PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF ENGINEER AND NO ACTION SHALL BE TAKEN UNTIL APPROVED BY ENGINEER.
5- CONTRACTOR SHALL SUBMIT FOR APPROVAL ANY DETAIL OR DIMENSION THAT IS OMITTED OR NOT SPECIFICALLY SHOWN ON PLANS.
6- CONTRACTOR SHALL PROTECT ALL PROPERTY FROM DAMAGE. ANY DAMAGED PROPERTY SHALL BE PROMPTLY REPLACED BY EQUAL AND/OR BETTER QUALITY.
7- ALL CONSTRUCTION, DEMOLITION AND / OR EXCAVATION WORK SHALL BE PERFORMED IN SUCH A WAY AS NOT TO IMPAIR THE SAFETY OF ADJOINING EXISTING STRUCTURES.
8- ALL SOIL BELOW NEW FOOTINGS SHALL BE COMPACTED IN 8 INCHES THICK LAYERS AND EACH LAYER SHALL BE COMPACTED TO 95 % OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM SPECIFICATION D-1557).(IF APPLICABLE FOR THIS PROJECT)
9- QUALITY OF FILL MATERIAL SHALL BE SUBMITTED TO OWNER FOR APPROVAL

REINFORCED CONCRETE:

- 1- ALL AGGREGATES SHALL COMPLY WITH ASTM SPECIFICATION C-33. CEMENT SHALL COMPLY WITH ASTM SPECIFICATION C-150. MAXIMUM SIZE OF COURSE AGGREGATES SHALL BE 3/4 INCH. MANUFACTURED AGGREGATES FROM WATER SOLUBLE MATERIALS WILL BE PERMITTED.
2- FORM WORKS SHALL BE CONSTRUCTED SO THAT THE CONCRETE SURFACES WILL CONFORM TO THE TOLERANCE LIMITS SET FORTH IN CHAPTER 4 OF THE "SPECIFICATIONS FOR STRUCTURAL MEMBERS FOR BUILDINGS" (ACI 301).
3- ALL DIMENSIONS SHOWN ARE STRUCTURAL AND DO NOT INCLUDE THICKNESS OF PLASTER OR ANY OTHER CONCRETE FINISH.
4- CONSTRUCTION LOADS SHALL NOT BE SUPPORTED ON, OR ANY SHORING REMOVED FROM ANY PART OF THE STRUCTURE UNDER CONSTRUCTION EXCEPT THAT PORTION OF THE STRUCTURE IN COMBINATION WITH THE REMAINING FORMING AND SHORING SYSTEM HAS SUFFICIENT STRENGTH TO SUPPORT SAFELY IT'S WEIGHT AND LOADS PLACED THEREON TIME FOR REMOVING CONCRETE FORMS AND SHORING IN BEAMS, SLABS AND STAIRWAYS SHALL BE TWO WEEKS. FOR WALLS 5 DAYS.
5- PROVIDE A POLYETHYLENE VAPOR BARRIER MEMBRANE UNDER ALL CONCRETE POURED AGAINST THE SOIL. UNLESS OTHERWISE INDICATED ON PLANS, VAPOR BARRIER SHALL BE EQUAL OR SIMILAR TO GRIFFOLYN TYPE-65. (IF APPLICABLE FIR THIS PROJECT)
6- REINFORCING BARS BE GRADE 60 HIGH STRENGTH DEFORMED NEW BILLET STEEL MEETING ASTM SPECIFICATION A-615 (LATEST).
7- UNLESS OTHERWISE SHOWN, MINIMUM REBAR SPICE BE 24 INCH. FOR #3 BARS, 30 INCH. FOR #4 BARS, 36 INCH. FOR #5 BARS, 45 INCH. FOR #6 BARS, 63 INCH. FOR #7 BARS, 72 INCH. FOR #8 BARS, 80 INCH. FOR #9 BARS.
8- NO REBAR SPICE SHALL BE MADE AT OR NEAR REGIONS OF MAXIMUM STRESS AND NO MORE THAN 50 % OF REBARS SHALL BE SPICED AT ANY LOCATION.
9- CONCRETE WORK SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-LATEST), INCLUDING SUPPLEMENTS. AND SHALL COMPLY WITH ALL LOCAL LAWS AND ORDINANCES. WHERE CONFLICTING REQUIREMENTS OCCUR, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
10- CONCRETE DESIGN IS BASED ON THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-LATEST), INCLUDING SUPPLEMENT.
11- REFERENCE SPECIFICATION AND CODES:
(A) EARTHWORK SPEC NO. 03000. (IF APPLICABLE FOR THIS PROJECT)
(B) CAST-IN PLACE CONCRETE SPEC NO. 03-300
12- REPAIR SHALL BE DONE USING NON-SHRINK & NON-METALLIC GROUT.
13- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 (FY=60 KSI). CONTRACTOR SUPPLY WILL CERTIFICATES OF ALL STEEL MATERIALS.
14- CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS:
- CAST AGAINST AND PERMANENTLY EXPOSEDE TO EARTH: 3" (IF APPLICABLE FOT HIS PROJECT)
- #6 BARS AND LARGER: 2"
- #5 BARS AND SMALLER: 1 1/2"
- NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND SLAB AND WALLS: 3/4"
- BEAMS, GIRDERS, COLUMNS: 1 1/2"

- 15- (IF APPLICABLE FOR THIS PROJECT)
(A) DEPRESSED SLABS SHALL MAINTAIN FULL THICKNESS UNLESS NOTED. SEE TYPICAL DETAILS.
(B) ALL DIMENSIONS AND LOCATIONS OF FLOOR DEPRESSIONS SHALL BE VERIFIED FROM ARCHITECTURAL DRAWINGS BEFORE PLACING SLABS.
16- CONTRACTION AND CONTRACTION JOINTS IN SLABS ON GRADE SHALL BE LOCATED AND CONSTRUCTED AS DETAILED ON THE DRAWINGS.
17- ALL SLEEVES, SLOTS AND OTHER EMBEDDED AND UNDER SLAB ITEMS SHALL BE SET BEFORE CONCRETE IS PLACED. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND VENDOR'S DRAWINGS FOR SIZES AND LOCATIONS
18- ALL TOP BARS AT DISCONTINUOUS ENDS SHALL BE HOOKED.
19- ALL BAR SPLICES SHALL BE CLASS C LAP SPLICES, UNLESS NOTED.
20- ALL BEARING PLATES SHALL BE SET WITH NON-SHRINK GROUT.
21- ALL EXPOSED EXTERNAL CORNERS OF CONCRETE SHALL HAVE A 3/4" x 45 DEGREES CHAMFER, UNLESS NOTED.
22- SHOP DRAWINGS FOR REBARS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.
23- OPENINGS IN CONCRETE WALLS SHALL BE REINFORCED AROUND PERIMETER WITH 2 #5 AND EXTENDING 2'-0" BEYOND CORNERS.
24- ALL WALLS AND PEDESTALS SHALL BE PLACED MONOLITHICALLY.
25- (IF APPLICABLE FOR THIS PROJECT)
(A) BACK FILLING AT FOUNDATION WALLS AND PEDESTALS SHALL BE PLACED SUCH THAT SYMMETRICAL LOADING SHALL BE MAINTAINED ON BOTH SIDES.
(B) WHERE DESIGN CONDITIONS REQUIRE BACK FILLING EACH SIDE TO UNEQUAL HEIGHTS, WALLS SHALL BE FIRMLY SHORED IN POSITION, AND SHORES SHALL REMAIN UNTIL FLOORS ARE PLACED AND PROPERLY SET TO PROVIDE FULL SUPPORT.
(C) BACK FILLING AT CANTILEVER WALLS SHALL NOT BE STARTED UNTIL THE WALLS HAVE ATTAINED THEIR MINIMUM 28-DAY COMPRESSIVE STRENGTH.
26- (IF APPLICABLE FOR THIS PROJECT) CONSTRUCTION JOINTS IN FOUNDATION WALL SHALL BE PLACED AT MID SPAN BETWEEN COLUMNS. BEAMS, OR SLABS, UNLESS NOTED.
27- ALL PIPE PENETRATIONS THROUGH FOUNDATION WALLS SHALL HAVE PIPE SLEEVES PROVIDED, WHICH SHALL BE SET BEFORE CONCRETE IS PLACED. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZES AND LOCATIONS.
28- WALLS, WHERE DOOR OPENINGS OCCUR. BARS SHALL EXTEND 2'-0" BEYOND EDGE OF OPENING. (IF APPLICABLE FOR THIS PROJECT)
29- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ANY REQUIRED NEEDLING, SHORING, OR BRACING OF EXISTING STRUCTURES.
30- ANY CONDITIONS WHICH REQUIRE UNDERPINNING SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, WHO WILL PROVIDE DESIGN/CONSTRUCTION DIRECTION TO THE CONTRACTOR.
31- FOUNDATION CONCRETE PADS SHALL INCLUDE SETTING OF COLUMN ANCHOR OR EXPANSIONS SUPPLIED BY THE STRUCTURAL STEEL CONTRACTOR.
32- ALL ELEVATIONS ARE GIVEN WITH RESPECT TO FINISH FIRST FLOOR DATUM ELEVATIONS (REF. EL. 0'-0")
33- IF BOTTOM OF ANY FOUNDATION IS NOT AT LEAST 3'-0" BELOW THE EXISTING GROUND ELEVATIONS THE CONTRACTOR SHALL NOTIFY ENGINEER AND / OR SOIL CONSULTANT.
34- FOR STRUCTURAL EXCAVATION AND BACK FILL REQUIREMENTS SEE SOILS REPORT MENTIONED IN NOTE NO. 16. (DOES NOT APPLY FOR THIS PROJECT)
35- SOIL WILL BE TREATED FOR TERMITES & INSECTS PRIOR TO CONCRETE POUR.
36- COMPRESSION CONCRETE STRENGTH f'c=4,000 PSI AT 28 DAYS, WATER/CEMENT RATIO= 0.45, SLUMP 4" TO 5", USE OF FLY ASH AS FOLLOWS: FOR R/C SLAB (PAVEMENT): 25%-30% OF REPLACEMENT FROM CEMENTITIOUS MATERIAL. FOR FOUNTAIN: 15% OF REPLACEMENT FROM CEMENTITIOUS MATERIAL + 10% COMPUTED FROM WEIGHT OF SAND.
37- ALL REINFORCED STEEL SHALL BE "EPOXY COATED"

IMPORTANT NOTES:

- 1- THE STRUCTURAL REPAIR AND REINFORCEMENT DETAILS SHALL BE DONE AFTER ALL THE REPAIRS, CORROSION PROTECTION AND PAINT WORK BE FINISHED.

STRUCTURAL STEEL:

- 1- STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
STEEL TUBES ..... ASTM 500, GRADE B, Fy = 36 KSI OR GREATER
W SHAPES ..... ASTM 572, GRADE 50, Fy = 50 KSI
ANY OTHER MISCELLANEOUS STRUCTURAL STEEL ..... ASTM A36, Fy = 36 KSI
2- CONTRACTOR SHALL SUPPLY, ASSEMBLY AND CONSTRUCT ALL STEEL ELEMENTS CALLED FOR IN THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL ALSO SUBMIT FOR APPROVAL SHOP DRAWINGS OF ALL STRUCTURAL STEEL, JOINT PLATES, INSERTS AND FITTINGS BEFORE ORDERING IT.
3- THE REVIEW OF SHOP DRAWINGS BY THE ENGINEER SHALL IN NO CASE RELIEVE CONTRACTOR OF RESPONSIBILITIES FOR ERRORS, OMISSIONS, FURNISHINGS OF UNSUITABLE MATERIALS AND TIME DELAYS ARISING DIRECTLY FROM A DIVERSION FROM PLANS AND SPECIFICATIONS BROUGHT BY THE CONTRACTOR IN THE SHOP DRAWINGS.
4- WELDED SPLICES OF STRUCTURAL SECTIONS MAY BE PERMITTED IF APPROVED BY ENGINEER, CONTRACTOR SHALL OBTAIN THE SECTIONS IN LENGTHS THAT WOULD MINIMIZE THE NUMBER OF SPLICES.
5- ALL WELD WORKS SHALL BE PERFORMED BY SKILLED AND PROPERLY CERTIFIED WELDER, BEARING THE PUERTO RICO WELDER BOARD LICENSE.
6- CONNECTIONS, WHEN NOT SHOWN ON PLANS, SHALL BE DESIGNED TO TRANSMIT THE MAXIMUM STRESS ALLOWED FOR THE CONNECTED MEMBERS.
7- THE ERECTION OF STRUCTURAL STEEL ELEMENTS SHALL STRICTLY FOLLOW SECTION 7 OF THE AISC "CODE OF STANDARD PRACTICE".
8- DIMENSIONS OF STRUCTURAL STEEL ELEMENTS SHALL BE WITHIN THE DIMENSIONAL TOLERANCES SET FOR FORTH IN SECTION 6 OF THE CODE OF STANDARD PRACTICE OF THE AISC MANUAL OF STEEL CONSTRUCTION.
9- NO LOADS SHALL BE PLACED OVER ANY STEEL STRUCTURE UNTIL ALL STUDS, PURLINS, BEAMS, STEEL JOIST AND COLUMNS ARE PROPERLY BRACED.
10- ALL STRUCTURAL STEEL SHALL RECEIVE PRIMER COAT AND FINAL COAT, ACCORDING WITH TECHNICAL SPECS EQUAL OR SUPERIOR TO:
\* PRIMER SHALL BE AN ORGANIC PRIMER ZINC CLAD II (SHERWIN WILLIAMS) OR ONE APPROVED EQUIVALENT.
\* INTERMEDIATE COAT SHALL BE IMACROPOXY 646 (SHERWIN WILLIAMS) OR ONE APPROVED EQUIVALENT.
\* FINISH COAT SHALL BE ACROLON 218HS (SHERWIN WILLIAMS) OR ONE APPROVED EQUIVALENT.
\* EXISTING AND NEW REBARS WILL HAVE A RED OXIDE LAYER BEFORE CONCRETE OR GROUT IS CAST.
THE SELECTION OF PAINT SYSTEM SHALL BE COMPATIBLE WITH THE SPECIFIED PAINT FOR THE EXISTING STEEL SECTIONS. SURFACE PREPARATION, THICKNESS AND APPLICATION PROCEDURE SHALL BE FOLLOWED STRICTLY AS PER MANUFACTURER SPECIFICATIONS. PAINT SELECTION SHALL BE COMPATIBLE WITH FIELD CONDITIONS
11- DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION 14th EDITION AND IBC CODE, LATEST.
12- MATERIAL SHALL MEET THE REQUIREMENTS OF THE FOLLOWING (UNO):
ALL STRUCTURAL STEEL SHALL BE U.S. MADE
STRUCTURAL STEEL - STRUCTURAL SHAPES A 572-GRADE 50.
HIGH STRENGTH BOLTS - 3/4" DIA. MIN. ASTM A325N TYPE 3 WEATHER RESISTANT WELDING - E70XX ELECTRODES PER AWS D1.1 SPECS
STEEL PLATES- ASTM A-36.
13- ALL SHOP CONNECTIONS SHALL BE MADE WITH WELDS OR HIGH STRENGTH BOLTS. ALL FIELD CONNECTIONS SHALL BE BOLTED. STANDARD FRAMED CONNECTIONS SHALL BE USED AS SHOWN IN TABLE II PART 4 OF AISC MANUAL OF STEEL CONSTRUCTION (UNO) ALL BEAMS SHALL RECEIVE MAXIMUM NUMBER OF ROWS OF BOLTS FOR BEAM DEPTH.
14- ALL WELDING SHALL CONFORM TO THE CURRENT SPECIFICATIONS OF THE AMERICAN WELDING SOCIETY, AND SHALL COMPLY WITH ALL LOCAL LAWS AND ORDINANCES. WELDING ELECTRODES SHALL BE E-70 SERIES.
15- CONNECTIONS:
(A) ALL CONNECTIONS SHALL BE FRAMED BEAM CONNECTION CONFORMING TO THE REQUIREMENTS OF PART 4 OF THE AISC MANUAL, TABLE II & III UNLESS OTHERWISE NOTED.
(B) ALL BOLTED CONNECTIONS SHALL BE MADE WITHHIGH STRENGTH BOLTS. UNLESS OTHERWISE NOTED, CONNECTIONS SHALL BE "BEARING TYPE" WITH ALLOWABLE STRESS ON BOLTS BASED ON THREADS INCLUDED IN THE SHEAR PLANE.
(C) ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO PROVIDE AT LEAST THE MINIMUM TENSION SHOWN IN TABLE 3, FASTENER TENSION, OF THE SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325, UNLESS NOTED.
(D) SEATED CONNECTIONS WILL NOT BE PERMITTED UNLESS SHOWN ON THE DRAWINGS.
16- BEARING ENDS OF ALL COLUMNS SHALL BE MILLED OR FINISHED.
17- THE CONTRACTOR SHALL SUPPLY ALL TEMPORARY BRACING REQUIRED TO MAINTAIN PLUMBNESS AND STABILITY DURING ERECTION. BRACING SHALL NOT BE REMOVED UNTIL ALL PERMANENT BRACING HAS BEEN INSTALLED, ALL WELDING HAS BEEN COMPLETED, ALL BOLTS HAVE BEEN PROPERLY TIGHTENED, AND TOP SUPPORTING ROOF DECK AND CONCRETE FLOOR SLAB HAVE BEEN PROPERLY PLACED.
18- NO OPENINGS SHALL BE CUT IN STRUCTURAL MEMBERS UNLESS SHOWN ON THE DRAWINGS, OR APPROVAL IS RECEIVED FORM THE ENGINEER.

- 19- ALL ELEVATIONS ARE GIVEN WITH RESPECT TO FINISH FIRST FLOOR DATUM ELEVATION: (REF. ELEV. 0'-0")
20- PROVISIONS FOR DETAILS NOT SPECIFICALLY DRAWN SHALL BE MADE BY THE CONTRACTOR IN ACCORDANCE AISC SPECIFICATIONS AND CLARIFIED WITH THE DESIGNER.
21- MINIMUM METAL THICKNESS FOR ALL CONNECTIONS, STIFFENER PLATES ETC., SHALL BE 3/8".
22- WORKING POINTS FOR VERTICAL BRACING SHALL BE AT INTERSECTION OF CENTERLINE OF COLUMN AND CENTERLINE OF BEAMS (U.N.O.) ON DWGS.
23- STAIRWAY AND PLATFORMS SHALL COMPLY WITH THE DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH STANDARDS AND ALL APPLICABLE LOCAL AND STATE CODES.
24- GRATING WHEN APPLICABLE, SHALL BE ALL WELDED OPEN CONSTRUCTION, WITH 1 1/4" x 3/16" BEARING BARS ON 1 3/16" O.C. (U.N.O.). GRATING SHALL BE SECURED TO SUPPORTING MEMBERS WITH SADDLE CLIPS, PROVIDE 2" CLEARANCE AROUND ALL EQUIPMENT, TANKS, ETC., THAT PENETRATE GRATING FLOORS. BAND ALL GRATING OPENINGS 8" AND LARGER WITH 1/4" x 5 1/4" PLATE WELDED TO GRATING AND EXTENDING 4" ABOVE TOP SURFACE OF GRATING.
25- HANDRAILS SHALL BE STAINLESS STEEL UNLESS OTHERWISE SPECIFIED 1 1/2" NOMINAL DIA. STANDARD STAINLESS STEEL PIPE, REFER TO DETAILS IN ARCHITECTURAL DRAWINGS. (DOES NOT APPLY FOR THIS PROJECT)
26- GROUT SHALL BE NON-SHRINK, NON-METALLIC, SIKA GROUT BY SIKA CORP OR APPROVED FOR PURPOSE REQUESTED. A/E SHALL APPROVE TYPE PRIOR TO USE.
27- FLOOR PLATE SHALL BE 3/8" CKD PLATE, PAINTED AND SHALL BE ATTACHED TO SUPPORTING STEEL BY 3/16" FILLET WELDS 1 1/2" AT 12" O.C. GAP BETWEEN PLATES SHALL NOT EXCEED 1/4" ALL JOINTS OUTSIDE STRUCTURAL SUPPORTS SHALL HAVE BACKING PLATES.
28- STEEL STUDS SHALL BE INSTALLED WITH AUTOMATIC STUD WELDING MACHINE.
CODES:
AMERICAN CONCRETE INSTITUTE, ACI 318 - LATEST EDITION
AMERICAN INSTITUTE OF STEEL CONSTRUCTION, LRFD LATEST EDITION.
IBC-2016 (PUERTO RICO BUILDING CODE-2018)
WIND LOADS AS PER ASCE-7-2016.
WIND VELOCITY = 170 MPH.
EXPOSURE = "D"
TOPOGRAPHIC FACTOR = 1.0
RISK CATEGORY IV

ABBREVIATIONS:

Table with 2 columns: Abbreviation and Full Name. Includes ADD, BOTTOM, E.W., C.C., CL, COL, CONC, CONST, CONT, C.S, DTL, DWG, EA, E.E, ELEV, F.B.E, F.F.E, FT, GALV, LG, LL, MAX, MECH, MIN, REINF, SPECS, S.S, STD, STL, SUP, T, TYP, U.N.O.

D

D

C

C

B

B

A

A

Table with 2 columns: Field Name and Value. Fields include Fecha, Numero, Revisiones, Por, Escala, as shown, May 2021, Dibujo por, L.D., Revisado por, L.D.

COLEMAN DAVIS PAPAN ARCHITECTS logo and contact information: PO Box 9029912 San Juan PR 00902-9912, Tel: 787-728-6660 / 6661 / 787-646-5093, Fax: 787-728-6615, www.davisarquitectos.com

Mejoras a Entrada Vehicular Tribunal Supremo de Puerto Rico San Juan, Puerto Rico

Hoja Numero: S-0.0 STRUCTURAL NOTES

JUL-06-2021



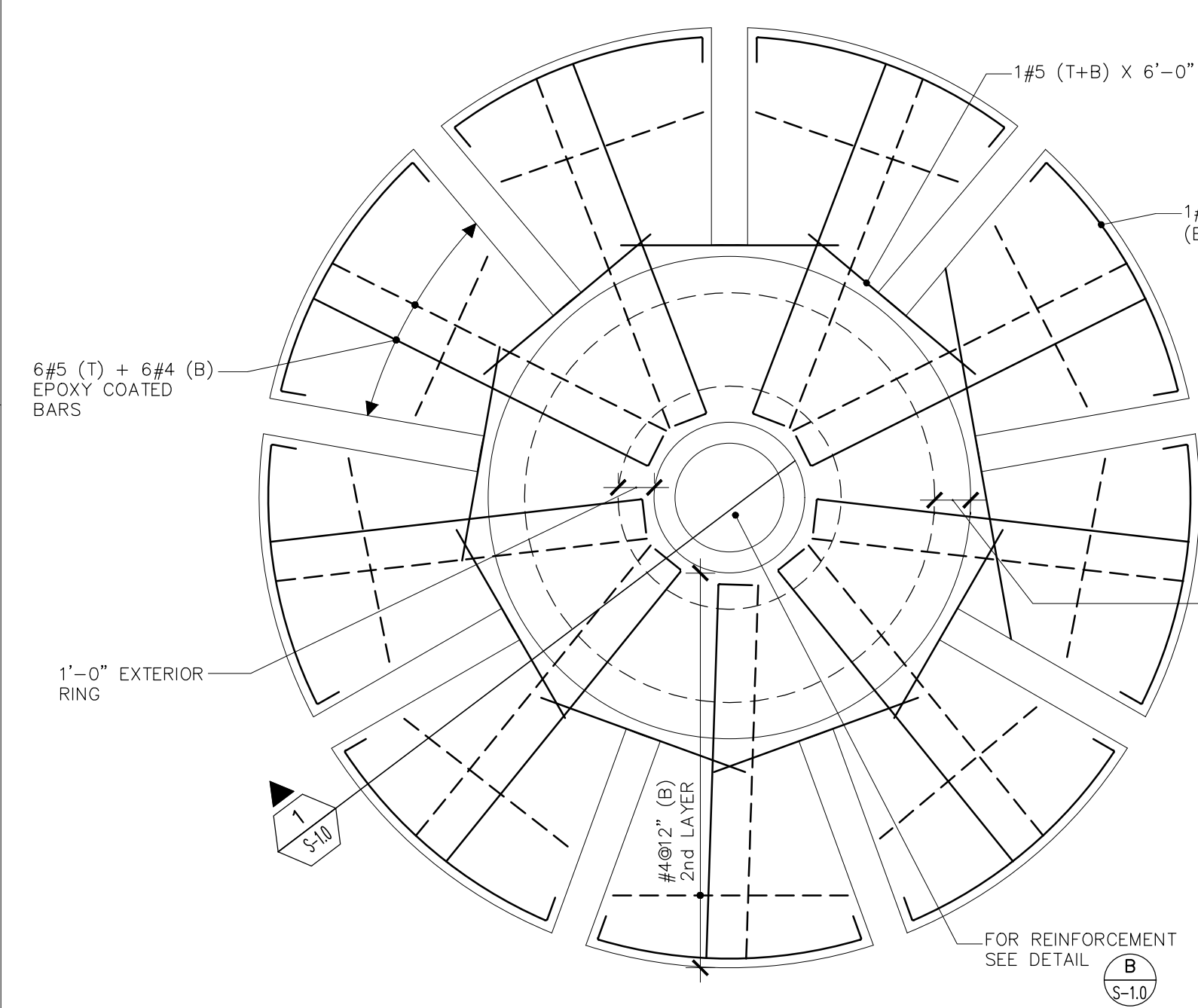
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D

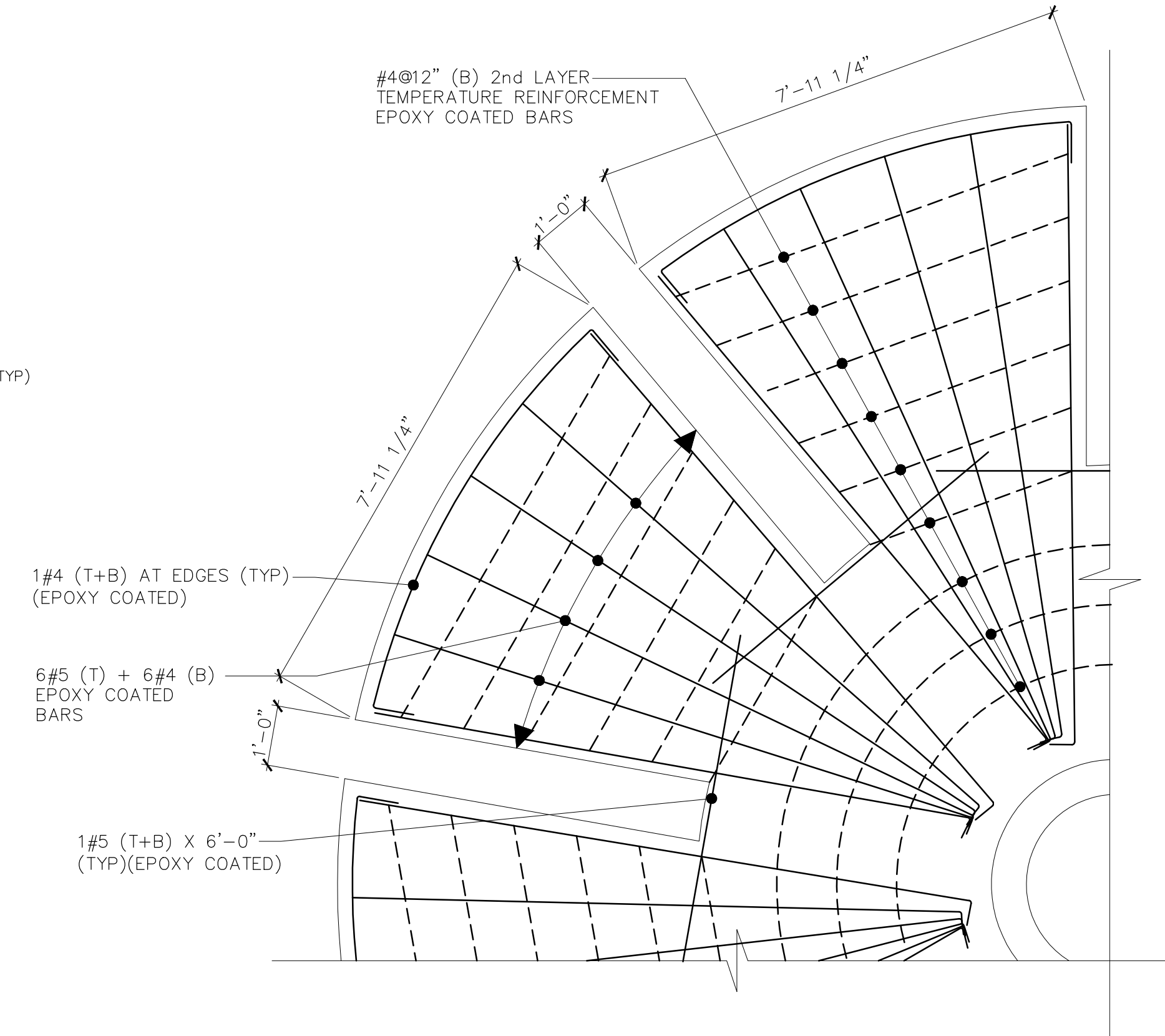
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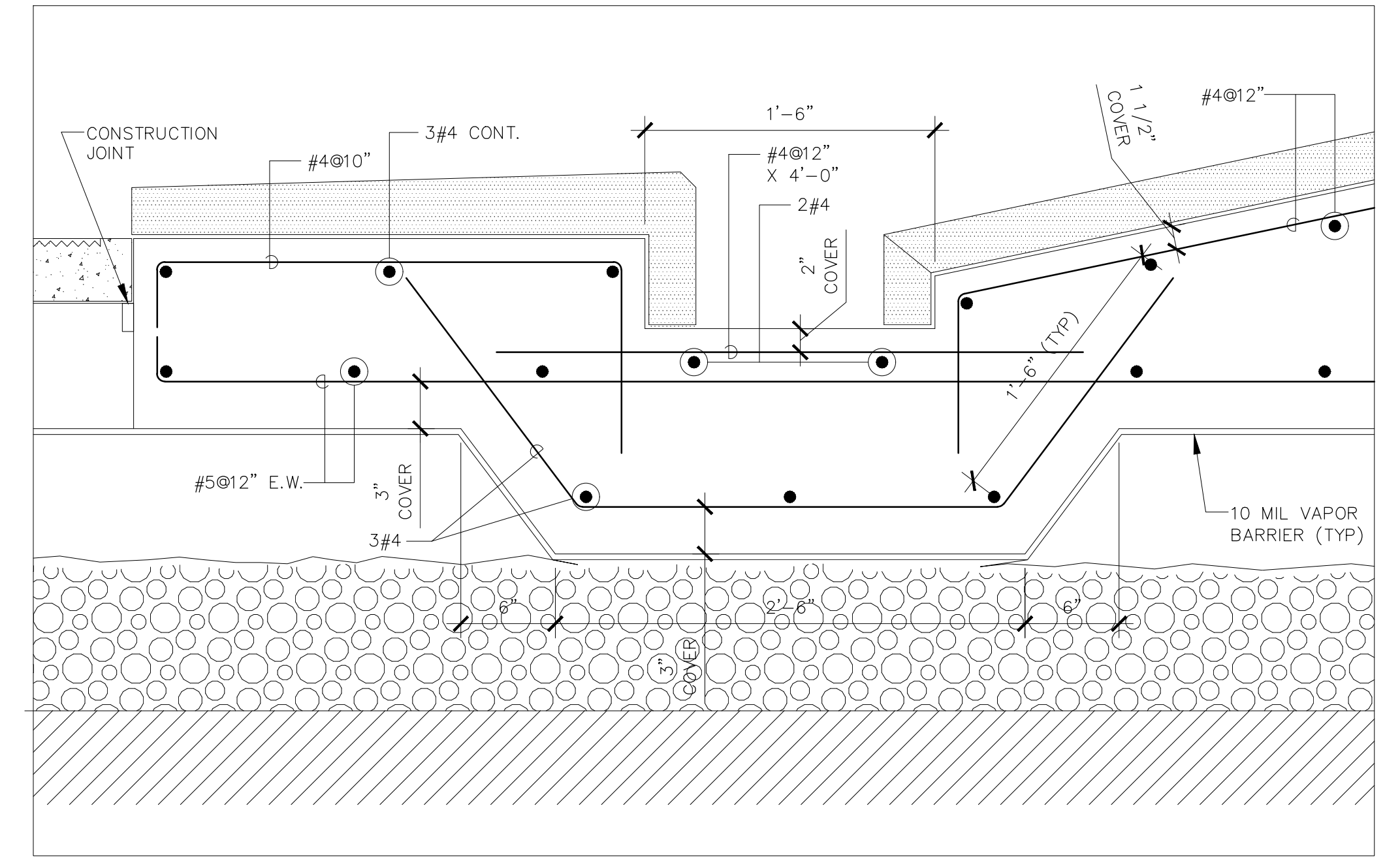
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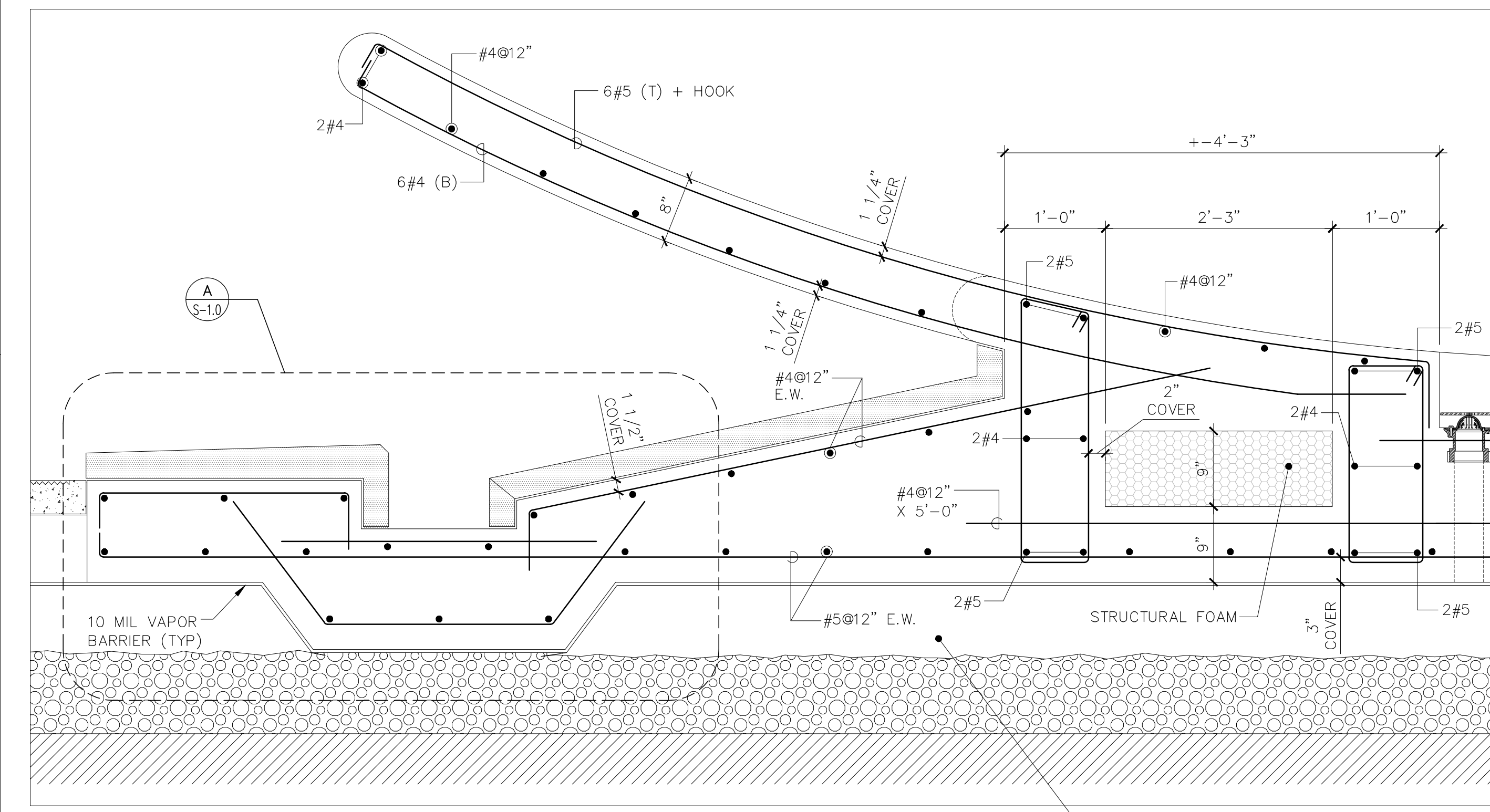
**NEW FOUNDATION STRUCTURAL PLAN**  
SCALE: 1/4"=1'-0"



**PARTIAL REINFORCEMENT LAYOUT**  
SCALE: 1/2"=1'-0"

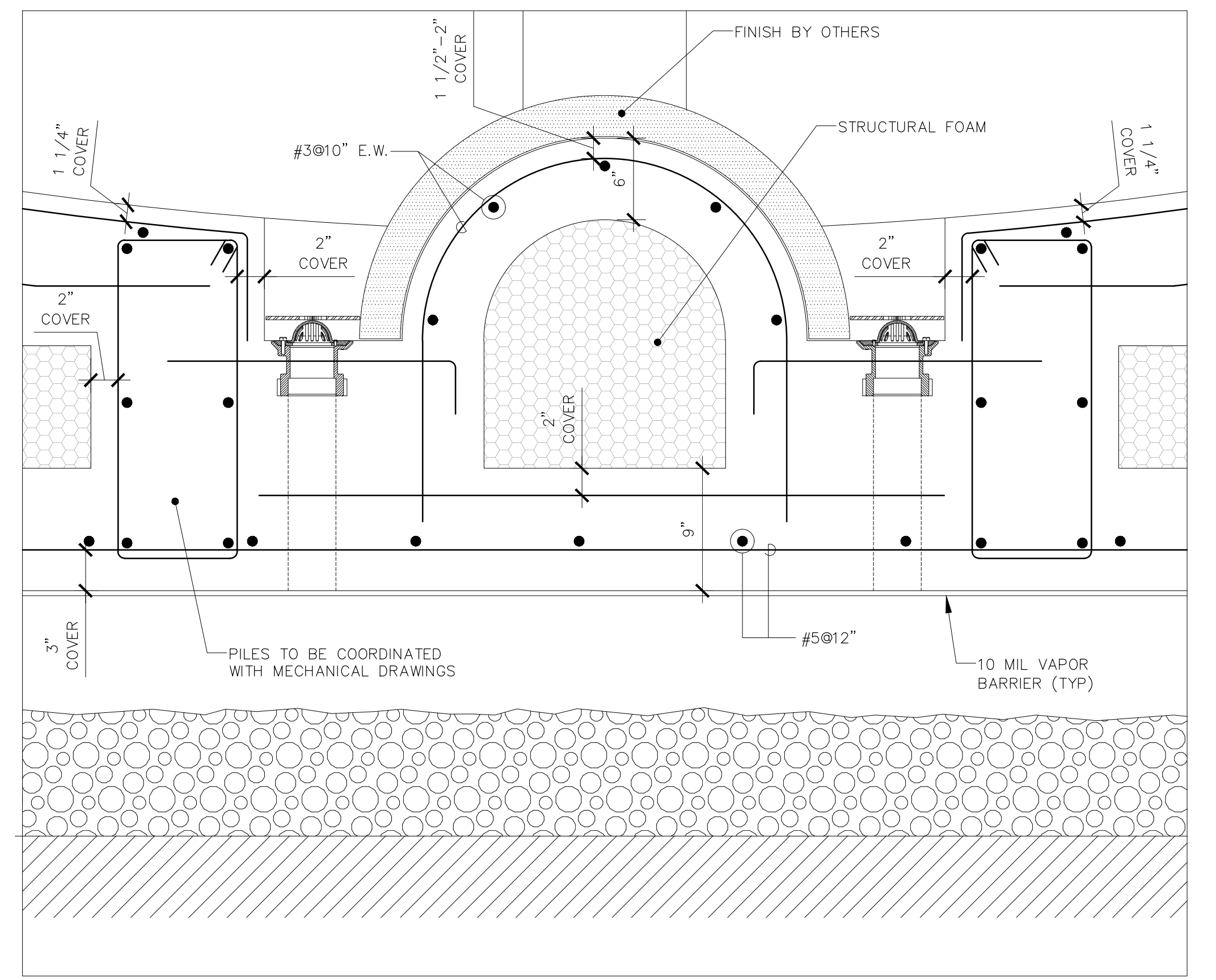


**DETAIL**  
SCALE: 1 1/2"=1'-0"



**SECTION**  
SCALE: 1"=1'-0"

A-2-4 SOIL 8"-10" THICKNESS  
COMPACTED AT 95% OF MAX DRY  
DENSITY MODIFIED PROCTOR TEST



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

8 7 6 5 4 3 2 1

|               |        |            |     |
|---------------|--------|------------|-----|
| Fecha         | Numero | Revisiones | Por |
| as shown      |        |            |     |
| Fecha         | Numero | Revisiones | Por |
| Mayo 2021     |        |            |     |
| Dibujado por: | L.D.   |            |     |
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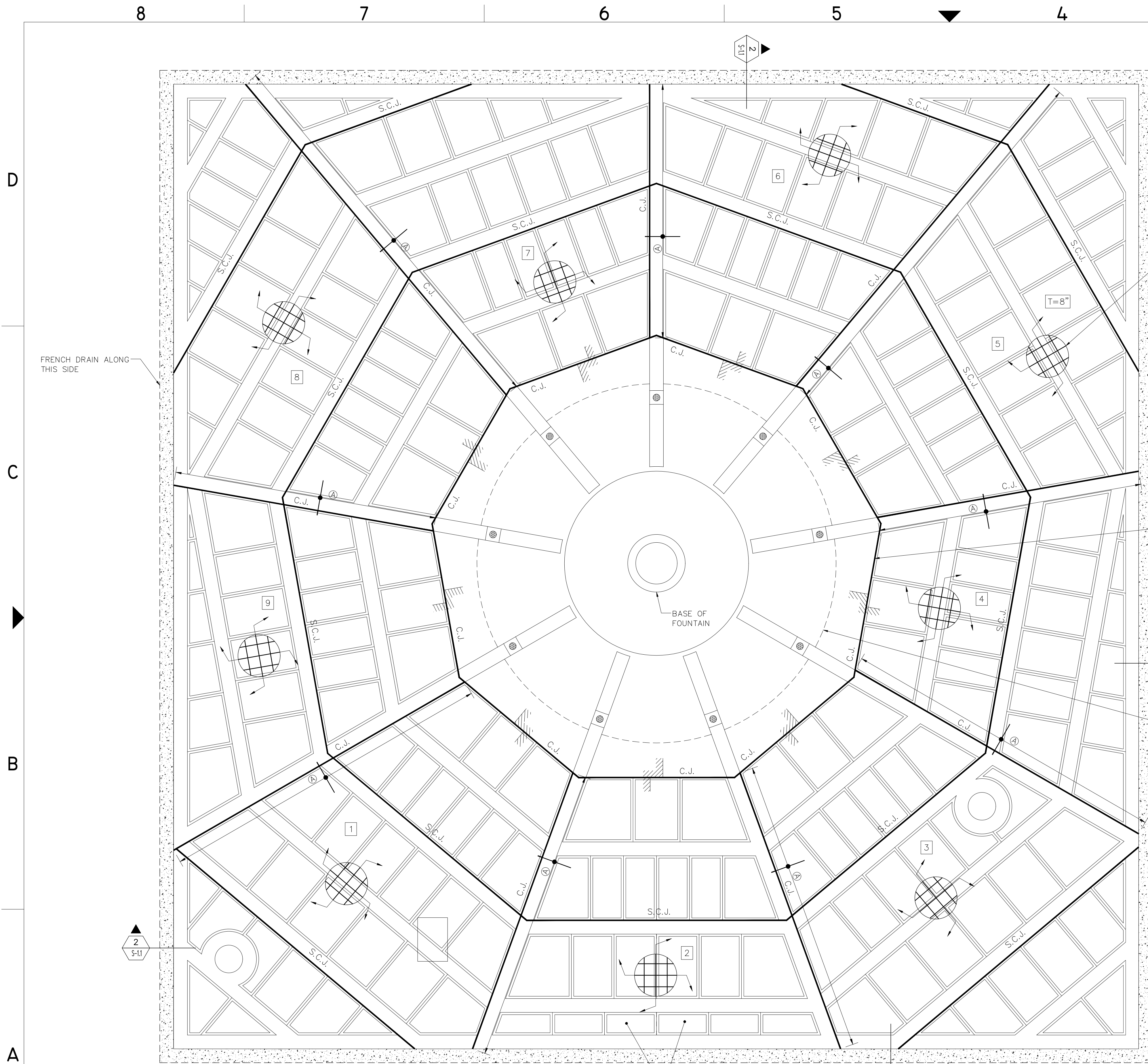
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Proyecto  
**Mejoras a Entrada Vehicular**  
**Tribunal Supremo de Puerto Rico**  
 San Juan, Puerto Rico

Hoja Numero:  
**S-1.0**  
 STRUCTURAL DETAILS

JUL-06-2021



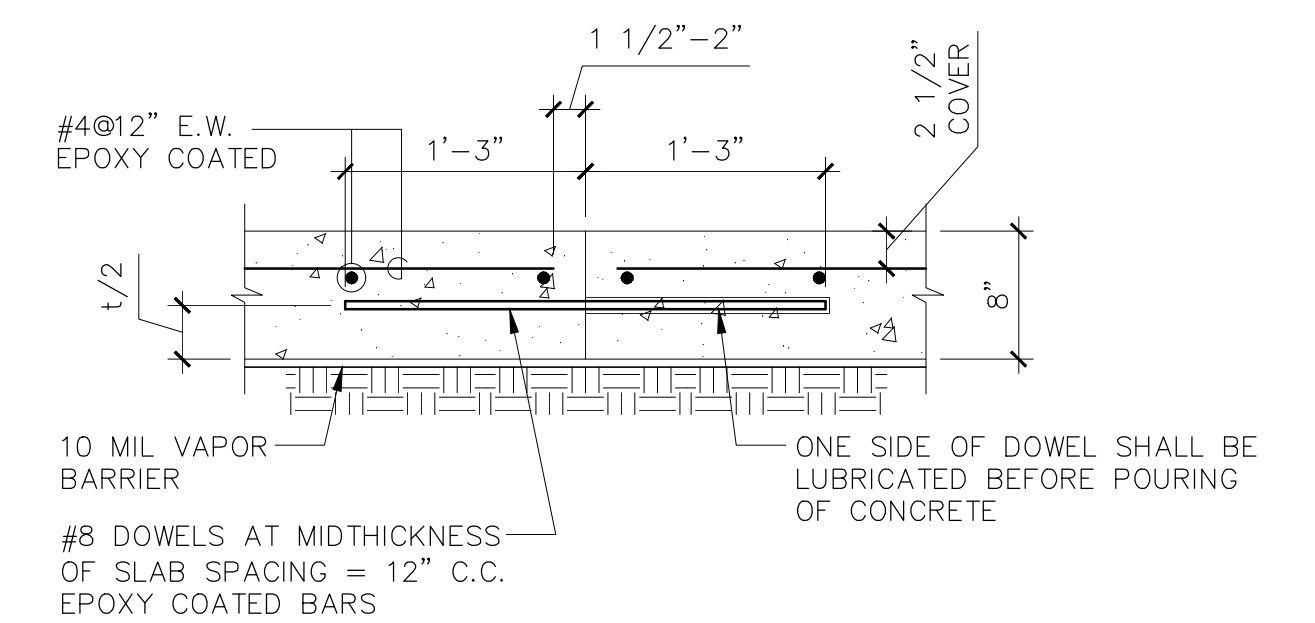


**REINFORCED CONCRETE PAVEMENT STRUCTURAL PLAN**  
SCALE: 1/4"=1'-0"

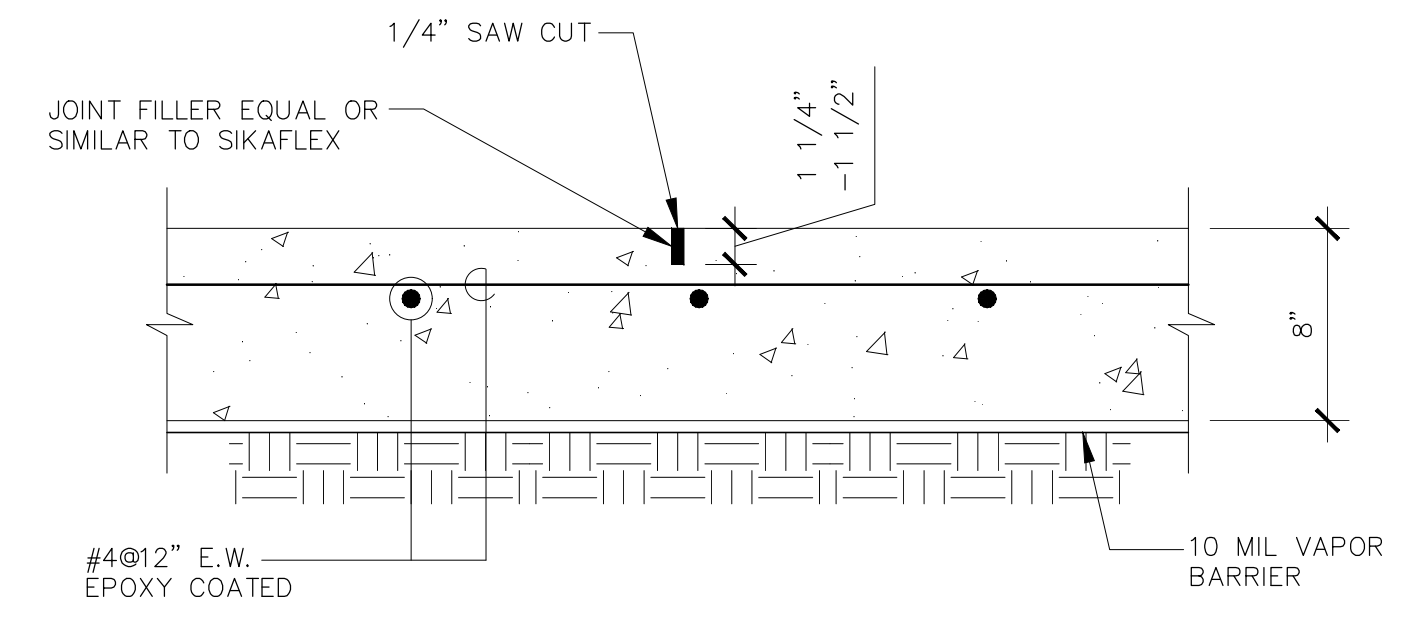
JOINTS AND DETAILS OF TOP CONCRETE LAYERS BY OTHERS. COORDINATE WITH ARCHITECTURAL DRAWINGS.

FRENCH DRAIN ALONG THIS SIDE TO BE CONNECTED TO STORM SEWER SYSTEM (TYP)

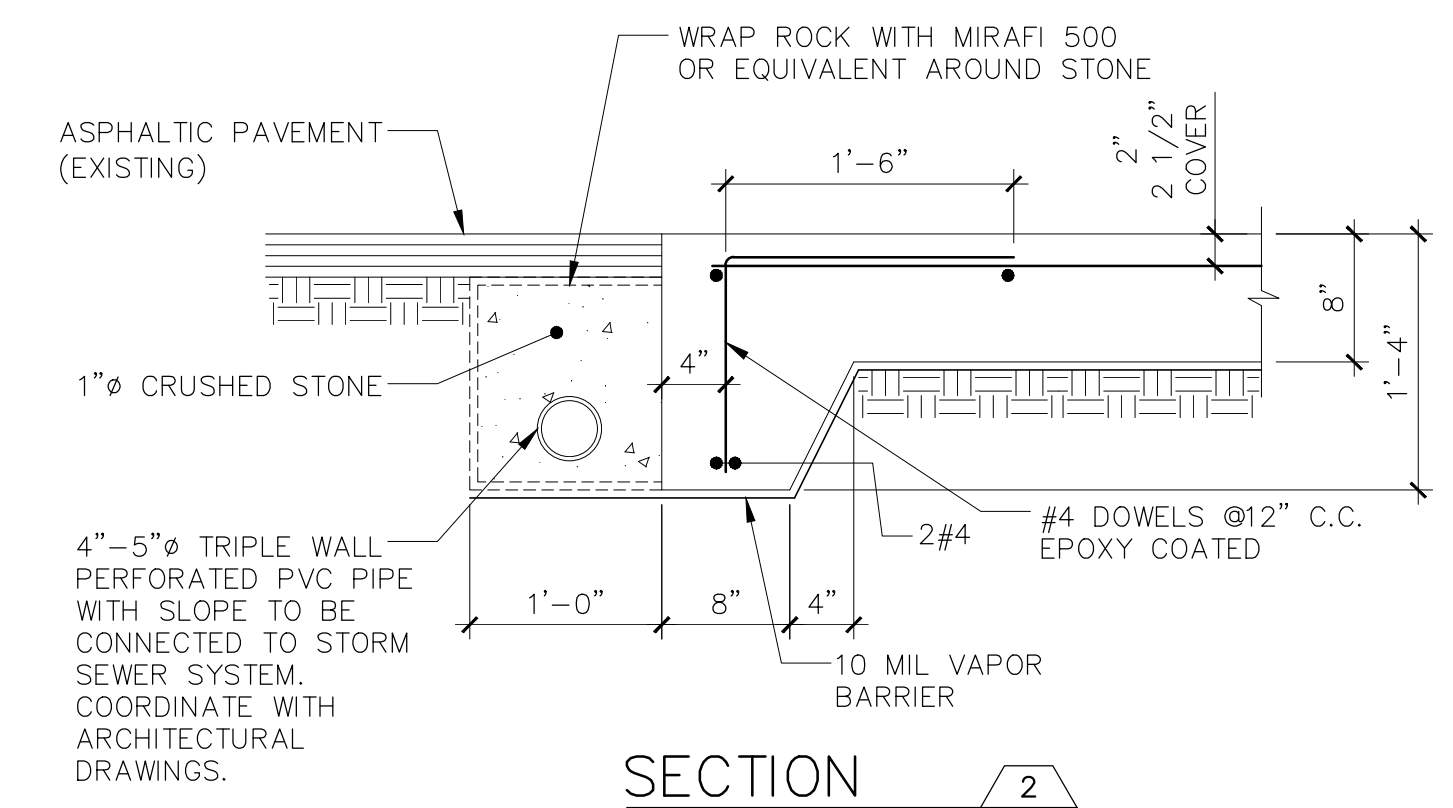
- NOTE:**
- 1) C.J. = CONSTRUCTION JOINT  
S.C.J. = SAW-CUT JOINT
  - 2) POURING SEQUENCE OF CONCRETE SLAB SECTORS  
1st POUR: 1,3,5,7  
2nd POUR: 2,4,6,8  
3rd POUR: 9
  - 3) CONSTRUCTION JOINT DOWELS:  
Ⓐ = #8 X 2'-6" @ 12" C.C. EPOXY COATED BARS AT MIDTHICKNESS OF SLAB DO NOT INSTALL DOWELS TO BASE OF FOUNTAIN.



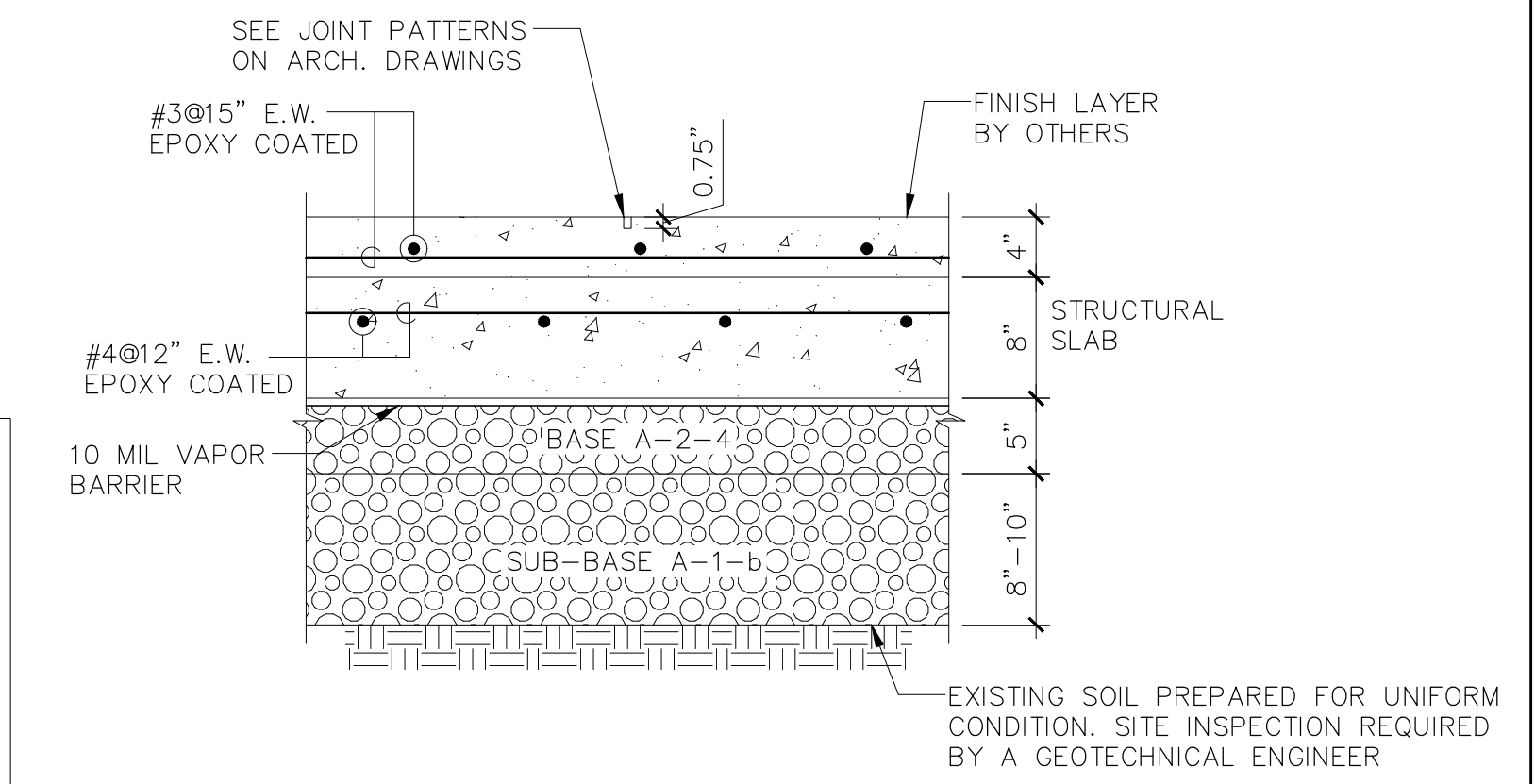
**CONSTRUCTION JOINT DETAIL (C.J.)**  
SCALE: 1"=1'-0"



**SAW-CUT JOINT DETAIL (S.C.J.)**  
SCALE: 1 1/2"=1'-0"



**SECTION 2 S-11**  
SCALE: 1"=1'-0"



**NOTE:**  
COMPACTION OF BASE AND SUB-BASE MATERIALS TO BE DONE TO REACH 95% OF MAXIMUM DRY DENSITY FROM MODIFIED PROCTOR TEST

**TYPICAL SECTION FOR CONCRETE PAVEMENT**  
SCALE: 1"=1'-0"

|               |        |            |     |
|---------------|--------|------------|-----|
| Fecha         | Numero | Revisiones | Por |
| as shown      |        |            |     |
| Fecha         | Numero | Revisiones | Por |
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