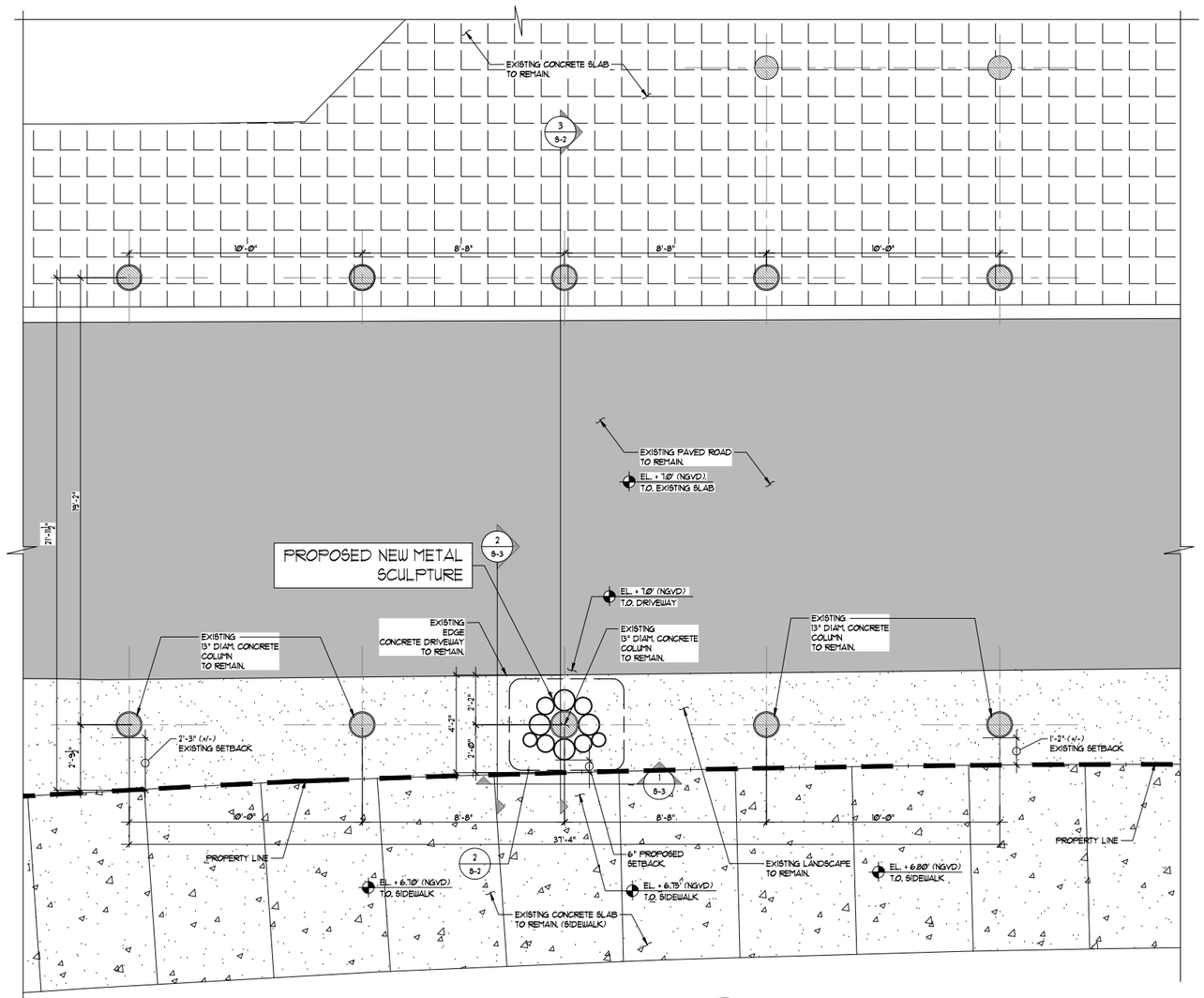


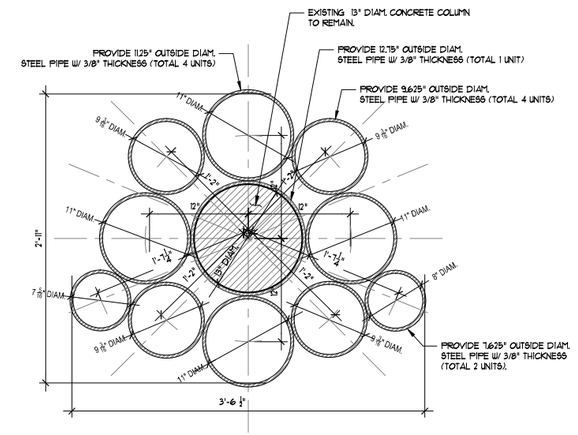
PARTIAL PLAN

SCALE: 3/16"=1'-0"

1 S-2

PLAN NOTES:

1. G. C. TO FIELD VERIFY ALL DIMENSIONS.
2. COORDINATE W/ DESIGNER ALL DIMENSIONS.



SCULPTURE PLAN DETAIL

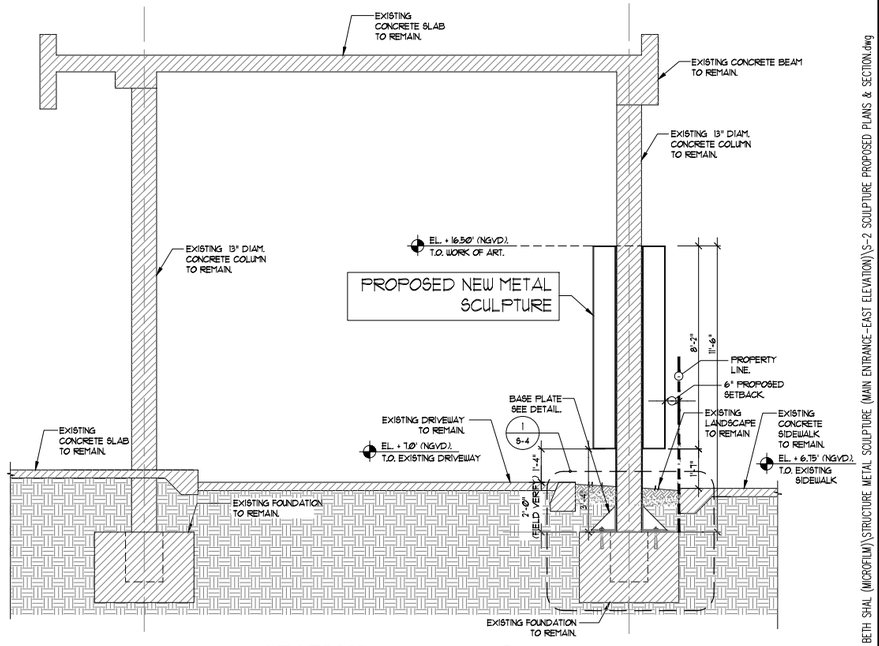
SCALE: 3/4"=1'-0"

2 S-2

LEGEND

USE FINISHED MATERIAL BRONZE PATINA BLACK FOR ALL CYLINDERS ELEMENTS.	USE FINISHED HIGHER ELEMENTS USE POLISHED MATERIAL WITH GOLD COLOR BRIGHTNESS.

NOTE, SEE SHEET S-3 FOR ELEVATIONS DETAILS.



SECTION

SCALE: 3/16"=1'-0"

3 S-2

C:\TEMPLE BETH SHAL (MICROFILM)\STRUCTURE METAL SCULPTURE (MAIN ENTRANCE-EAST ELEVATION)\S-2 SCULPTURE PROPOSED PLANS & SECTION.dwg

SCOPE OF WORK:
Art Installation upon existing Porte Cochere column.

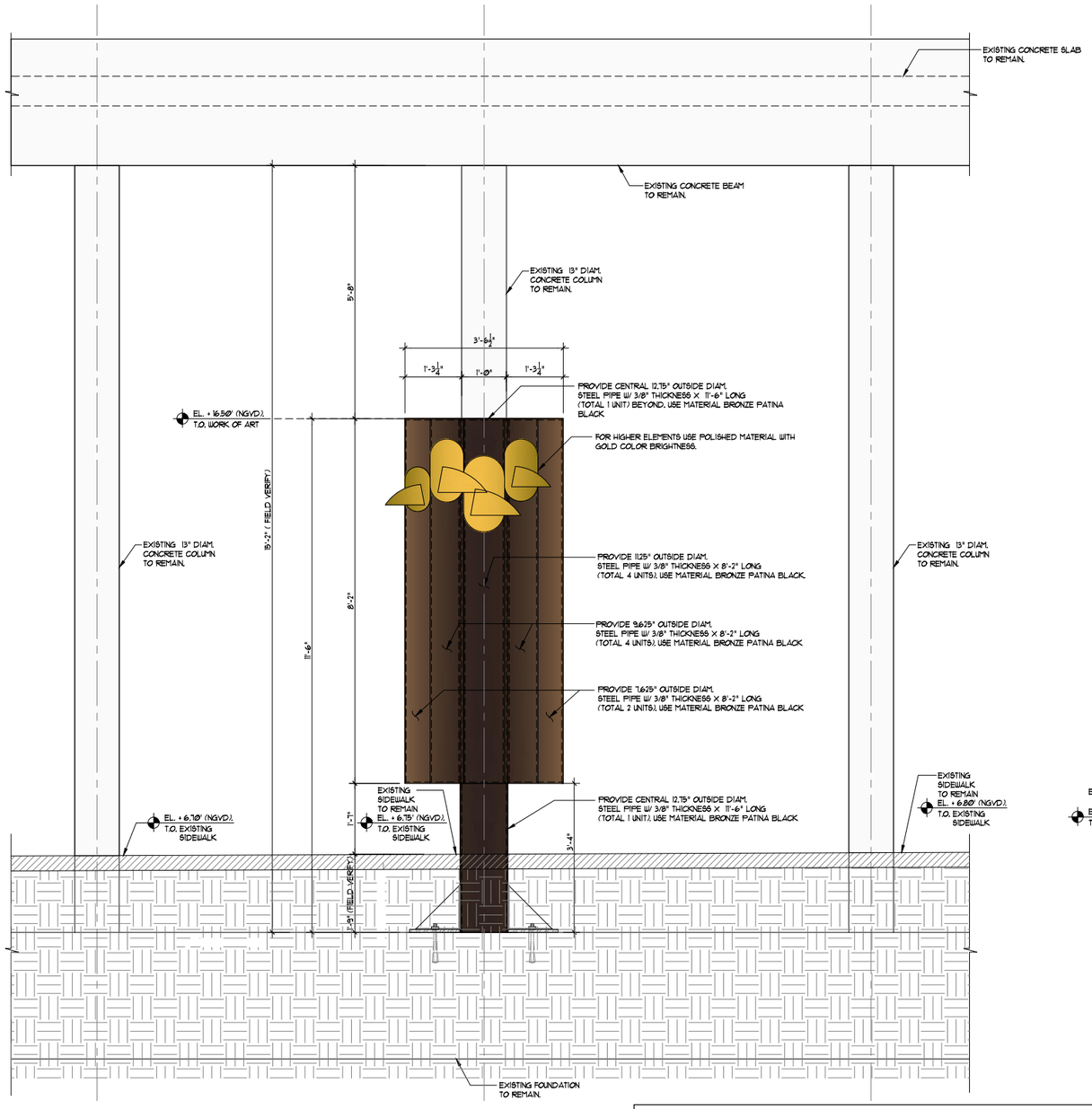
PROJECT AT:
TEMPLE BETH SHOLOM
4144 CHASE AVENUE
MIAMI BEACH, FLORIDA. 33139.

JUAN FERNANDEZ-BARQUIN, P.E.
STRUCTURAL ENGINEER P.E. # 40114
THRESHOLD INSPECTOR # 0947
2520 N.W. 97th AVENUE, SUITE #240
DORAL, FLORIDA 33172
PHONE: 786-336-0881, FAX: 786-336-0884
E-MAIL: jfbeng@bellsouth.net
WEB. SITE: www.juanfernandezbarquinpe.com

JUAN FERNANDEZ-BARQUIN, P.E. #40114

SCALE:	AS SHOWN
DATE:	04-6-2018

S-2



FRONT ELEVATION 1 S-3
SCALE: 3/8"=1'-Ø"

SIDE ELEVATION 2 S-3
SCALE: 3/8"=1'-Ø"

LEGEND

USE FINISHED MATERIAL BRONZE PATINA BLACK FOR ALL CYLINDERS ELEMENTS.	USE FINISHED HIGHER ELEMENTS USE POLISHED MATERIAL WITH GOLD COLOR BRIGHTNESS.

NOTE, SEE DETAIL 2/S-2 FOR SCULPTURE PLAN DETAILS.

C:\TEMPLE BETH SHAL (MICROFILM)\STRUCTURE METAL SCULPTURE (MAIN ENTRANCE-EAST ELEVATION)\S-3 FRONT & SIDE ELEVATION.dwg

SCOPE OF WORK:
Art Installation upon existing Porte Cochere column.

PROJECT AT:
TEMPLE BETH SHOLOM
4144 CHASE AVENUE
MIAMI BEACH, FLORIDA. 33139.

JUAN FERNANDEZ-BARQUIN, P.E.
STRUCTURAL ENGINEER P.E. # 40114
THRESHOLD INSPECTOR # 0947
2520 N.W. 97th AVENUE, SUITE #240
DORAL, FLORIDA 33172
PHONE: 786-336-0881, FAX: 786-336-0884
E-MAIL: jfbeng@bellsouth.net
WEB. SITE: www.juanfernandezbarquinpe.com

JUAN FERNANDEZ-BARQUIN, P.E. P.E. #40114

SCALE: AS SHOWN
DATE: 04-6-2018

S-3

GENERAL STRUCTURAL NOTES:

GENERAL STRUCTURAL NOTES:

1. CONCRETE:

   ALL CONCRETE TO ATTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 5,000 PSI IN 28 DAYS. AGGREGATES TO BE CLEAN AND WELL GRADED, MAXIMUM SIZE 3/4". CONCRETE SLUMP: 4" MIN. TO 6" MAX. VERTICAL CONCRETE DROP NOT TO EXCEED 8'. FOR REINFORCED MASONRY USE 3000 PSI GROUT MIX CONCRETE WITH 9" +/- 1" SLUMP.
   NOTE, PROVIDE CURING COMPOUND FOR ALL VERTICAL AND HORIZONTAL CONCRETE TO APPLIED SAME DAY THAT CONCRETE IS PLACED FOR HORIZONTAL AND NEXT FOR VERTICAL.

2. CONCRETE COVER:

TO BE AS FOLLOWS:	BOTTOM	TOP	SIDES
PILE CAPS	3"	2"	3"
GRADE BEAMS	3"	2"	2"
WALLS	-	-	1.5"
COLUMNS	-	-	1.5"
BEAMS	1.5"	1.5"	1.5"
SLABS	1"	1"	1.5"

3. REINFORCING STEEL:

   TO BE NEW HIGH STRENGTH BILLET STEEL, DEFORMED AS PER ASTM A-305, AND CONFORMING TO ASTM A-615 GRADE 60. LAP CONTINUOUS TOP AND BOTTOM BARS 48-BAR DIAMETERS, AT MID-SPAN FOR TOP, AND AT SUPPORTS FOR BOTTOM. PROVIDE "L" BARS 30" X 30" FOR TOP AND BOTTOM BARS, AT ALL CORNERS OF ALL TIE BEAMS. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS FOR STRUCTURAL BEAMS (NON TIE-BEAMS). REINFORCING STEEL TO BE DETAILED AND FABRICATED IN ACCORDANCE WITH "MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCING CONCRETE STRUCTURES", AND THE ACI BUILDING CODE 318, LATEST EDITION. SUBMIT SHOP DRAWINGS FOR APPROVAL. REINFORCING STEEL TO ALSO BE DETAILED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (C.R.S.I.). NOTE, ALL COLUMNS WILL HAVE HAIRPINS AT ALL RE-BAR NOT AT CORNERS. HAIRPINS WILL CONNECT OPPOSITE BARS. HAIRPIN WILL HAVE ONE END WITH A 90 DEGREE (90° HOOK AND THE OTHER END WITH A 180 DEGREE HOOK. VERTICAL SPACING OF THE HAIRPINS WILL MATCH THE SPACING OF THE TIES. ALL MAIN VERTICAL SHEARWALL REINFORCING WILL ALSO HAVE HAIRPINS CONNECTING OPPOSITE BARS, NOT AT CORNERS. HAIRPIN WILL HAVE ONE END WITH A 90 DEGREE HOOK AND THE OTHER END WITH A 180 DEGREE HOOK.

4. STRUCTURAL STEEL:

   SHALL CONFORM TO ASTM A992, FY=50 KSI, DETAILED, FABRICATED AND ERECTED IN ACCORDANCE AISC SPECIFICATIONS, LATEST EDITION. STEEL TUBES AND PIPES TO CONFORM TO A-500, GRADE B (FY= 46 KSI MINIMUM). SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION. PROVIDE TWO COATS OF RUST- INHIBITIVE TYPE PAINT.

5. WELDING:

   ALL WELDING TO BE DONE BY CERTIFIED WELDERS HOLDING CURRENT WELDING CERTIFICATES, AND MUST PRESENT SAME AT JOB SITE AT ALL TIMES. ALL WELDING PER PLANS AND PER GUIDELINES OF THE AMERICAN WELDING SOCIETY.

6. WIND DESIGN CRITERIA:

   ALL STRUCTURAL ELEMENTS, EXPOSED TO WIND, HAVE BEEN DESIGNED PER THE GUIDELINES OF THE ASCE 7-10 BUILDING CODE.
   FOR WIND UPLIFT ON THE ROOFS, USE ASCE 7-10 COMPONENTS AND CLADDING.
   V = 175 MPH
   I = 1.0
   GCpi = 0.18 (+/-)
   EXP. 'D'

7. ANCHORING EPOXY:

   FOR ANCHORING REINFORCING STEEL IN EXISTING CONCRETE USE HILTI EPOXY OR EQUAL. OTHER AVAILABLE EPOXIES ARE MADE BY ULTRA BOND OR RAWL. DRILL HOLES 1/8" BIGGER THAN THE DIAMETER OF THE REINFORCING STEEL (STEEL ROD). THE DEPTH OF THE HOLES ARE TO BE A MINIMUM OF 5", UNLESS OTHERWISE NOTED IN THESE PLANS, OR UNLESS OTHERWISE INSTRUCTED BY THE MANUFACTURER'S RECOMMENDATIONS.

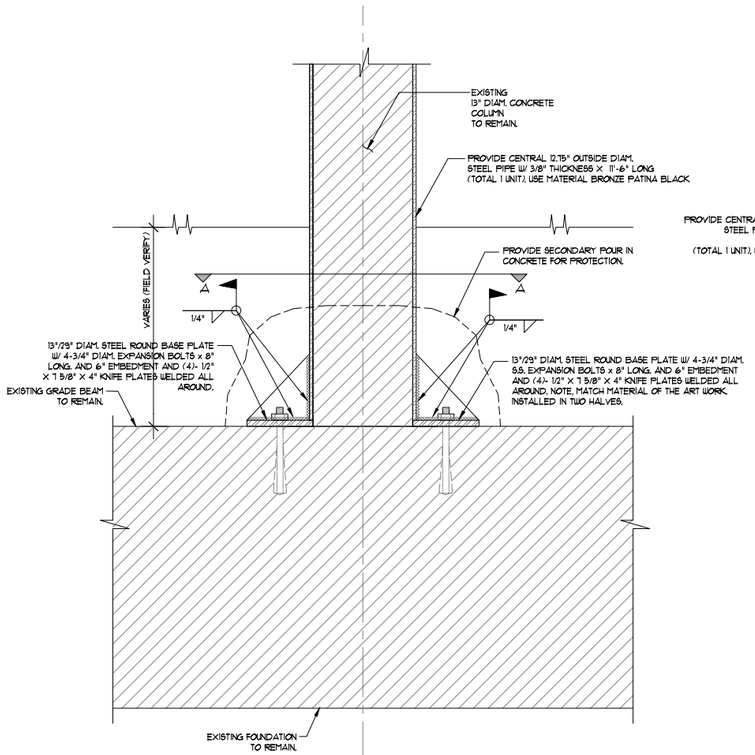
8. EXPANSION BOLTS:

   ALL EXPANSION BOLTS, NOTED IN PLANS, ARE TO BE HILTI TYPE EXPANSION BOLTS, OR EQUAL. FOR SUBSTITUTION, SUBMIT TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.

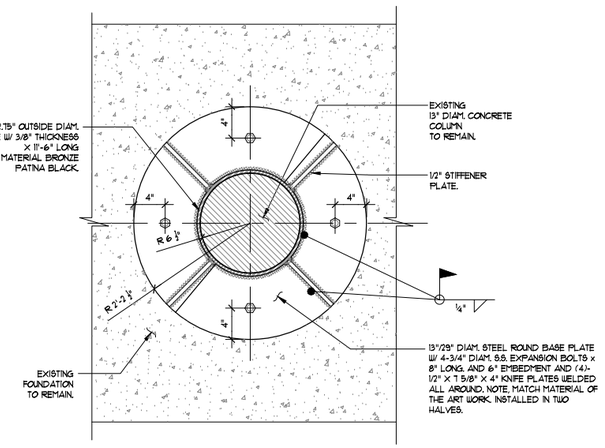
9. GROUTING WITH HIGH STRENGTH NON-SHRINK GROUT:

   USE OF A HIGH STRENGTH NON-SHRINK GROUT TO BE USED AS INDICATED IN THESE DOCUMENTS, OR AS REQUIRED FOR STRUCTURAL REPAIRS OR PATCHING. USE MASTERFLOW OR SIKA, OR EQUAL (SUBMIT TO ENGINEER FOR SUBSTITUTION). GROUT TO BE MIXED AS PER RECOMMENDATIONS OF MANUFACTURER. AREAS TO GROUTED MUST BE THOROUGHLY CLEANED OF ALL DEBRIS AND DELETERIOUS MATERIALS. GROUT THICKNESS TO BE AS SHOWN IN DOCUMENTS, HOWEVER, THICKNESS NOT TO EXCEED RECOMMENDATIONS OF MANUFACTURER. IF REQUIRED, PROVIDE SEVERAL LAYERS, AS REQUIRED, IN ORDER TO ATTAIN REQUIRED TOTAL THICKNESS.

10. NOTE, THESE PLANS WERE PREPAID IN COMPLIANCE WITH THE THE FBC 2017.



BASE PLATE
CONNECTION DETAIL (1 / S-4)
SCALE: 1 1/2"=1'-0"



BASE PLATE
SECTION A-A
SCALE: 1 1/2"=1'-0"

C:\TEMPLE BETH SHAL (MICROFILM)\STRUCTURE METAL SCULPTURE (MAIN ENTRANCE-EAST ELEVATION)\S-4 GENERAL NOTES & DETAILS.dwg

SCOPE OF WORK:
Art Installation upon existing Porte Cochere column.

PROJECT AT:
TEMPLE BETH SHOLOM
4144 CHASE AVENUE
MIAMI BEACH, FLORIDA. 33139.

JUAN FERNANDEZ-BARQUIN, P.E.
STRUCTURAL ENGINEER P.E. # 40114
THRESHOLD INSPECTOR # 0947
2520 N.W. 97th AVENUE, SUITE #240
DORAL, FLORIDA 33172
PHONE: 786-336-0881, FAX: 786-336-0884
E-MAIL: jfbeng@bellsouth.net
WEB. SITE: www.juanfernandezbarquinpe.com

JUAN FERNANDEZ-BARQUIN, P.E. # 40114

SCALE:	AS SHOWN
DATE:	04-6-2018

S-4

FOR REFERENCE ONLY

NOTE: THIS INFORMATION WAS TAKEN FROM A SURVEY DRAWING.

C:\TEMPLE BETH SHAL (MICROFILM)\STRUCTURE METAL SCULPTURE (MAIN ENTRANCE-EAST ELEVATION)\S-5 SURVEY PLAN.dwg

SCOPE OF WORK:
Art Installation upon existing Porte Cochere column.

PROJECT AT:
TEMPLE BETH SHOLOM
4144 CHASE AVENUE
MIAMI BEACH, FLORIDA. 33139.

JUAN FERNANDEZ-BARQUIN, P.E.
STRUCTURAL ENGINEER P.E. # 40114
THRESHOLD INSPECTOR # 0947
2520 N.W. 97th AVENUE, SUITE #240
DORAL, FLORIDA 33172
PHONE: 786-336-0881, FAX: 786-336-0884
E-MAIL: jfbeng@bellsouth.net
WEB. SITE: www.juanfernandezbarquinpe.com

JUAN FERNANDEZ-BARQUIN, P.E. STATE OF FLORIDA No. 40114

SCALE:	AS SHOWN
DATE:	04-6-2018

S-5