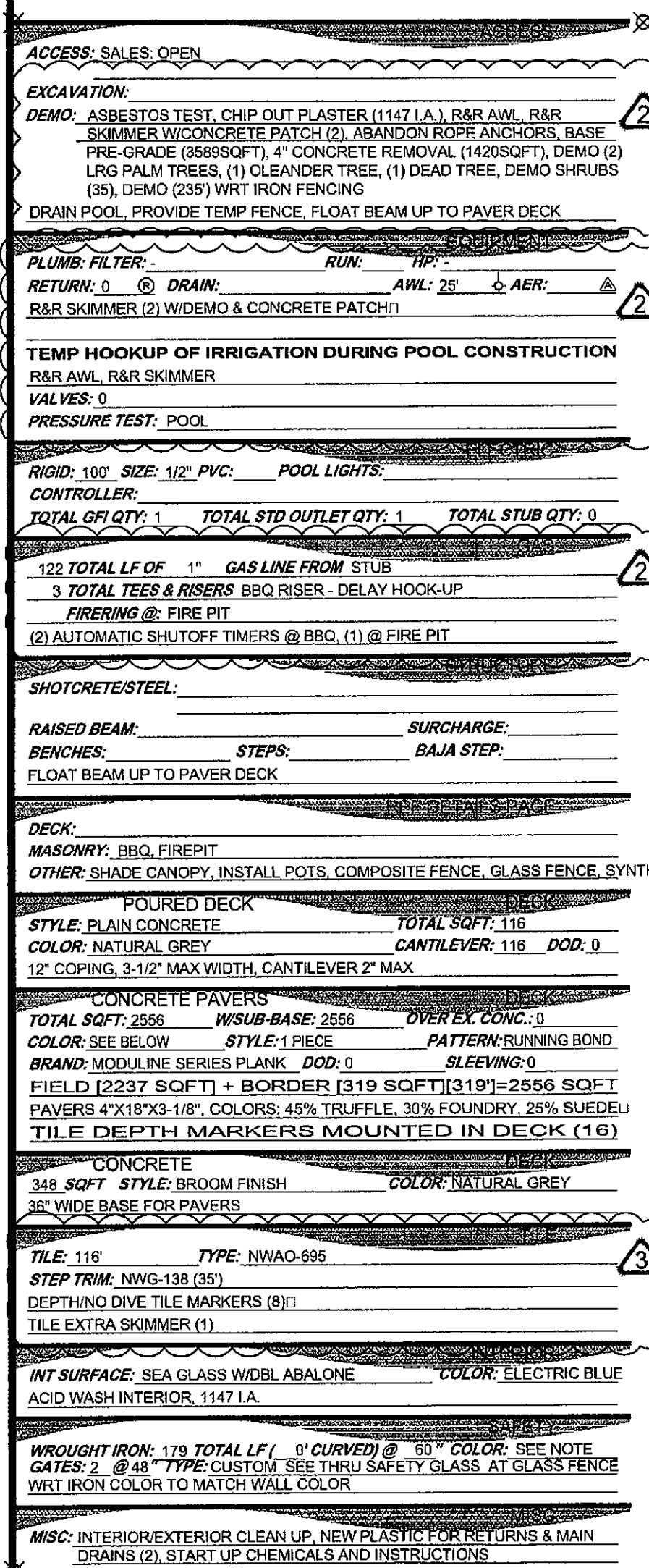


Full Size

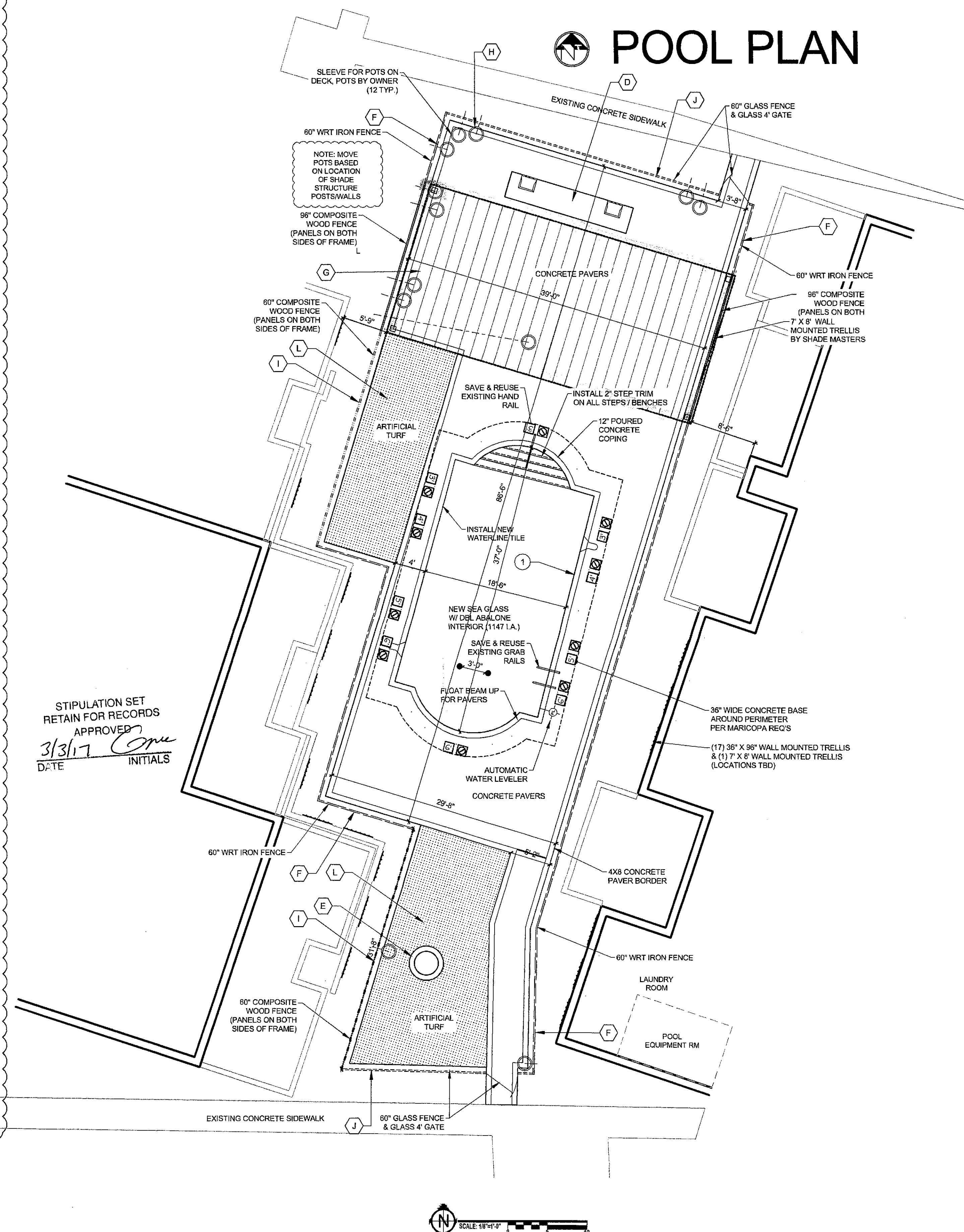
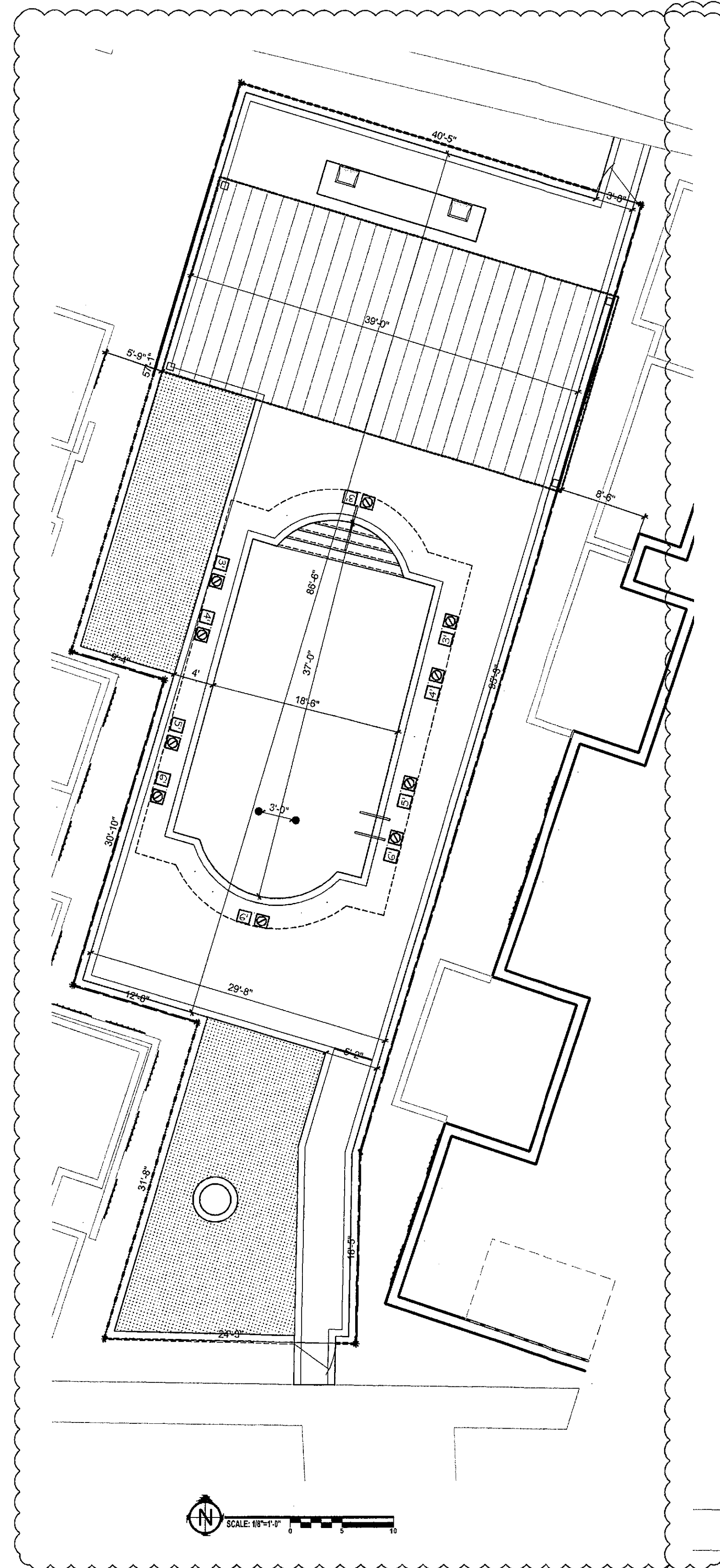
8.5 x 11

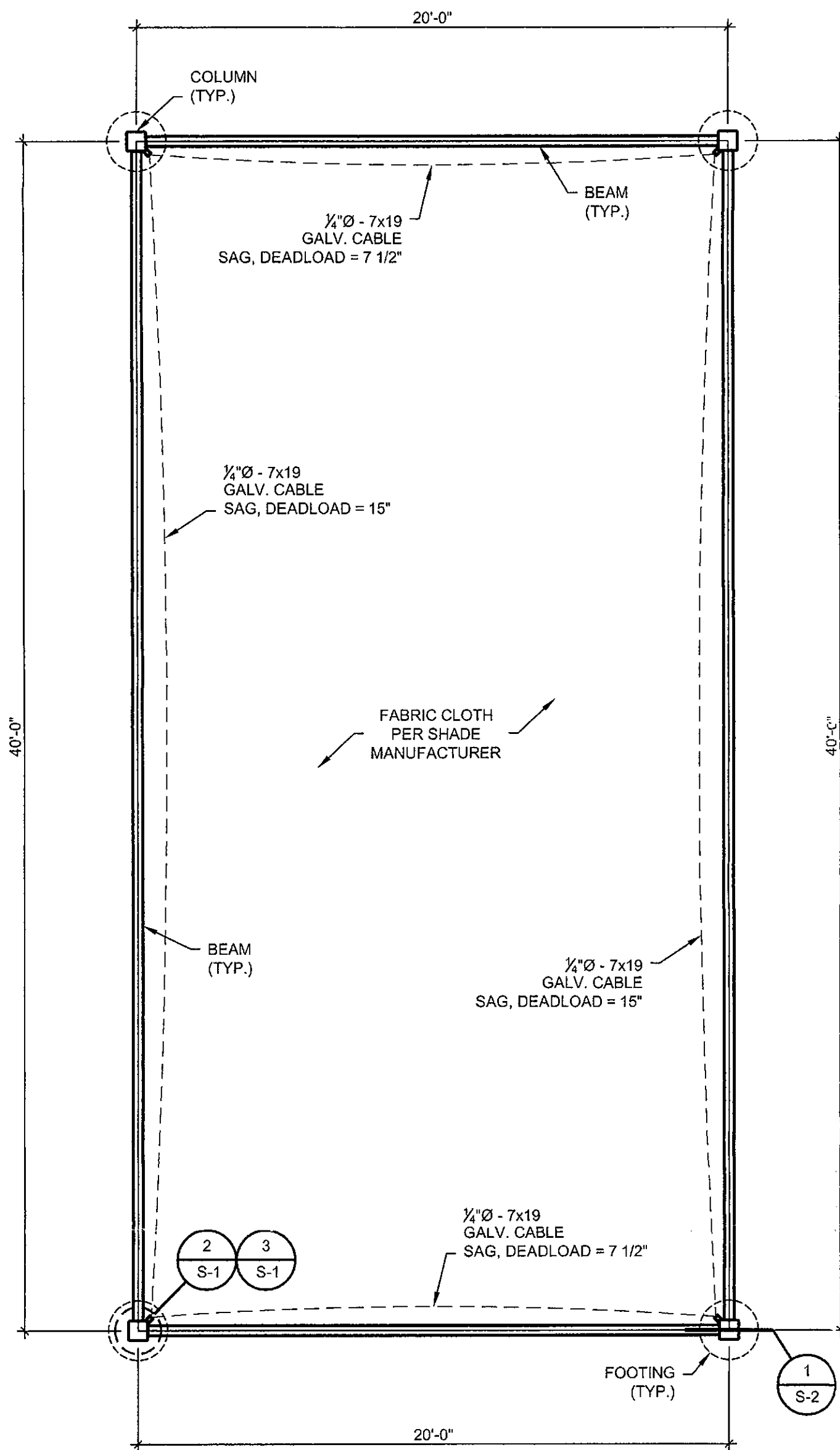
11 x 17

(site plan, landscape, elevations)

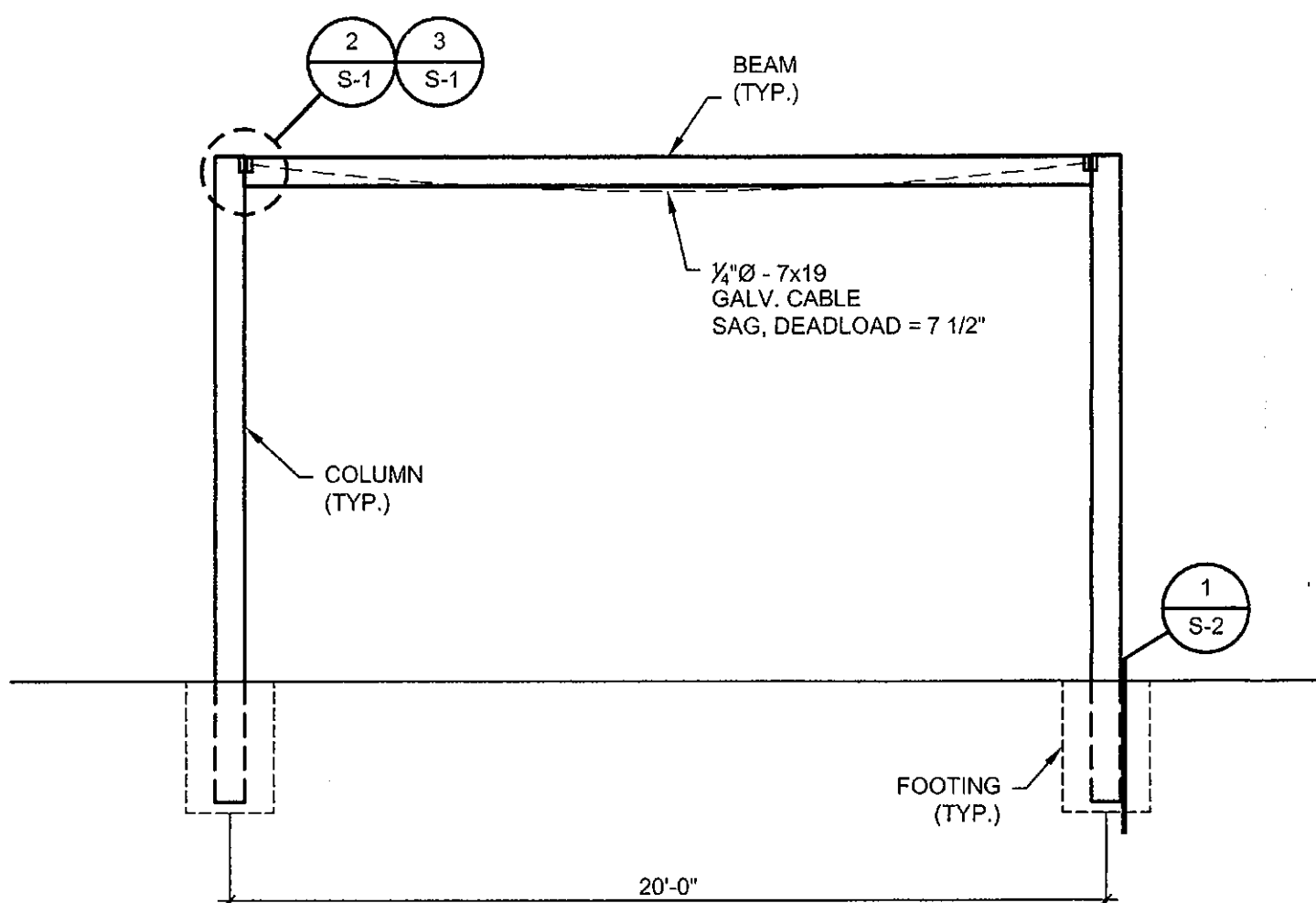


D	BBQ	MASONRY
	16" 1F OF 36"H X 36"D	
	COUNTER TOP POURED CONCRETE	
	70 TOTAL SQFT OF TOP	
	TOP - SIZE/STYLE: N/A	
	TOP - COLOR: SANDSTONE BUFF	
	10 ADDITIONAL NOTES FOR TOP FINISHING	
	4" CANTILEVER, SEAL BBQ TOP & WRAP TOP DOWN	
	STUCCO & PAINT: TBD	100 SQFT
	GRILL UNIT: SIZZLER SIZE/26	
	ACCESS DOOR: SHHD-1 HORIZONTAL DOOR	
	ELECTRICAL: PROVIDED AT LOCATION BY CPL	
	1 TOTAL QTY OF GRILL OUTLETS	
	1 TOTAL QTY OF ADDITIONAL OUTLETS	
	NATURAL GAS- SEE SEPARATE SECTION	
	HOOK	GRILL UNIT & DOOR
	(2) AUTOMATIC 30 MIN. TIMERS FOR GAS SHUT OFF	
	NOTE: THERE ARE (2) GRILLS, (2) VENTS	
	DETAIL D ON DETAIL PAGE	
E	FIRE PIT	MASONRY
	SIZE: 3'-0" inner dia. HEIGHT: 16" STYLE: CIRCLE	
	CAP: CONCRETE PAVING (BULLNOSE)	13 SQFT
	CAP COLOR: MATCH DECK	
	STUCCO & PAINT: TBD	
	NATURAL GAS- SEE SEPARATE SECTION	20 SQFT
	SHUT OFF VALVE AFTER FIRST COURSE	
	INTERIOR FILL: SILICA SAND & FIRE GLASS	
	FIRE/GLASS COLOR: TEAL	
	DETAIL E ON DETAIL PAGE	
G	SHADE CANOPY	STRUCTURES
	FABRIC SHADE SAIL W/ BEAMS	
	BY SHADE MASTERS	
	DETAIL G ON DETAIL PAGE	
H	INSTALL POTS	POTTERY ITEMS
	CPL TO INSTALL, PROVIDE IRRIGATION & POTTING SOIL	
	(35 CU FT) FOR POTS - POTS BY OWNER	
I	COMPOSITE FENCE	ADDITIONAL FEATURES
	(616) 60TH COMPOSITE WOOD (IPE) FENCE	
	DETAIL I ON DETAIL PAGE	
J	GLASS FENCE	ADDITIONAL FEATURES
	(616) 60TH SEE THRU SAFETY GLASS W/ STAINLESS ST	
	BBQ 100 SQFT + FIRE PIT 20 SQFT = 120 SQFT	
L	ARTIFICIAL TURF	GRASS & BORDERS
	700 SQFT OF ARTIFICIAL LAWN, CPL ELITE T8D	
Y	STUCCO & PAINT	MASONRY FINISHES
	120 TOTAL SQFT OF STUCCO & PAINT	
	STYLE: PER ITEM	
	PAV CO. GR. PER ITEM	
	BBQ 100 SQFT + FIRE PIT 20 SQFT = 120 SQFT	

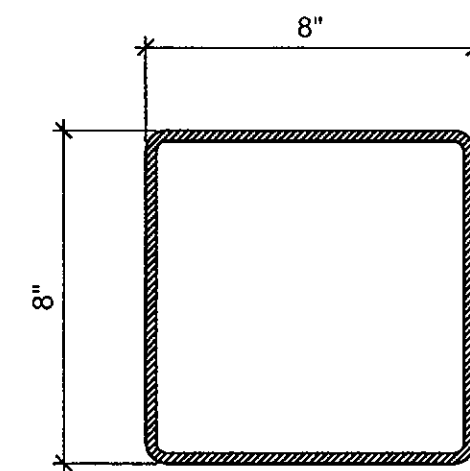




FOUNDATION & FRAMING PLAN
SCALE: 1/4" = 1'-0"

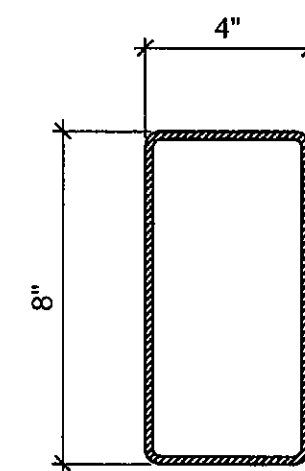


ELEVATION
SCALE: 1/4" = 1'-0"



HSS 8" X 8" X 1/4"
Ix=70.70 in.⁴ Sx=17.70 in.³
Fy=36 ksi.

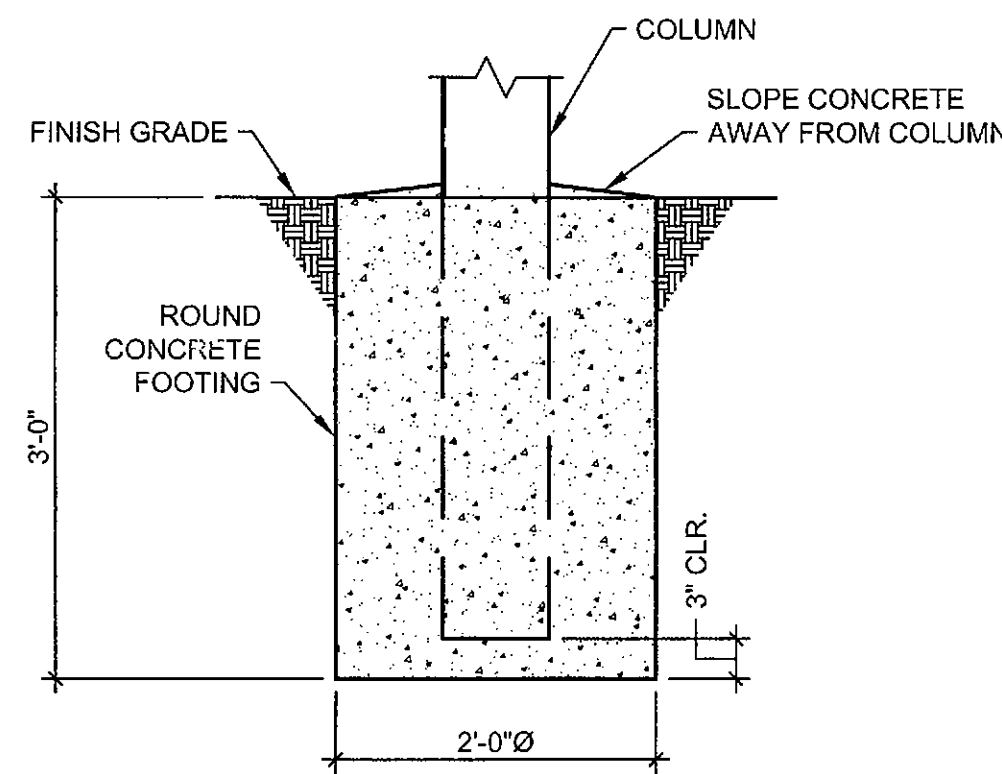
COLUMN



HSS 8" X 4" X 3/16"
Ix=33.10 in.⁴ Sx=8.27 in.³
Fy=36 ksi.

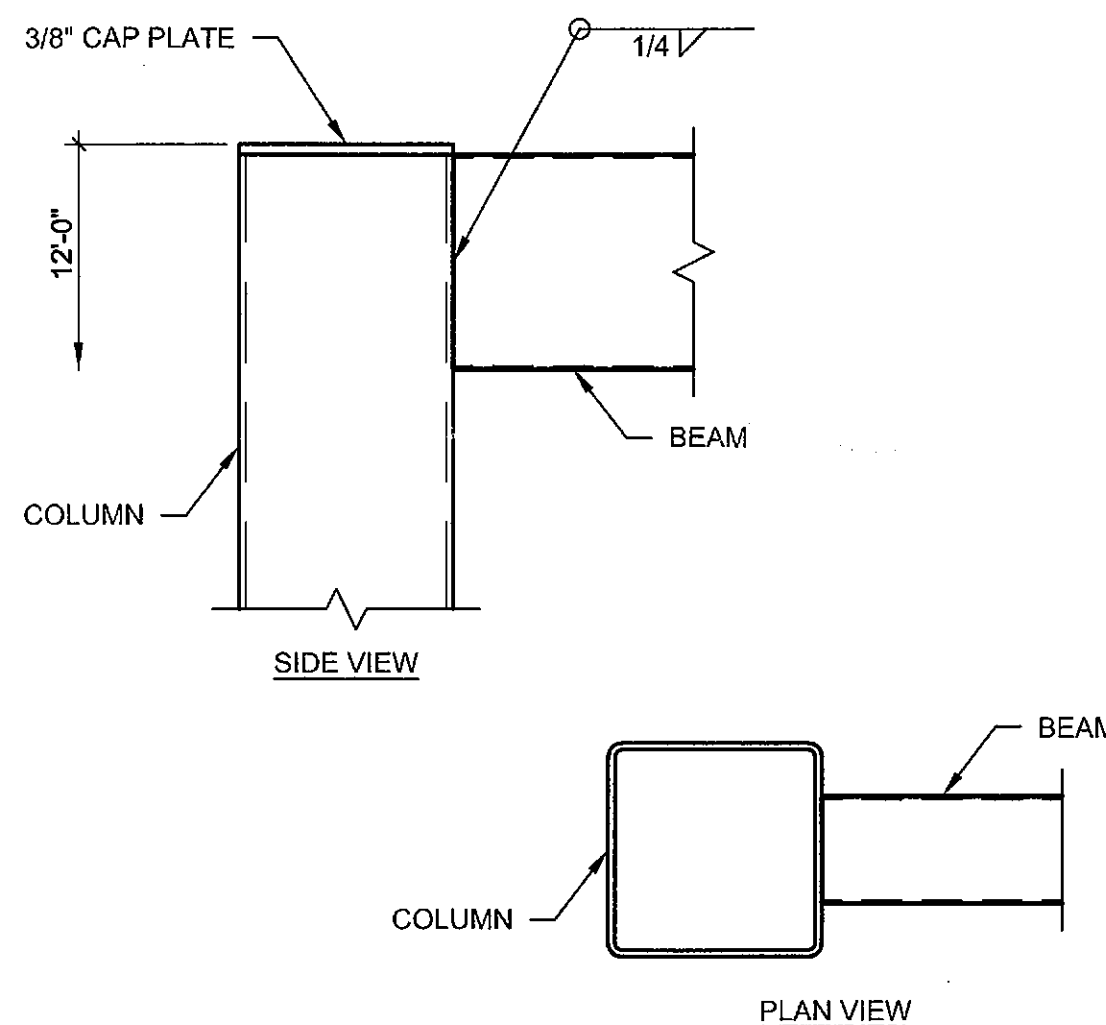
BEAM

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
3/3/17
DATE INITIALS



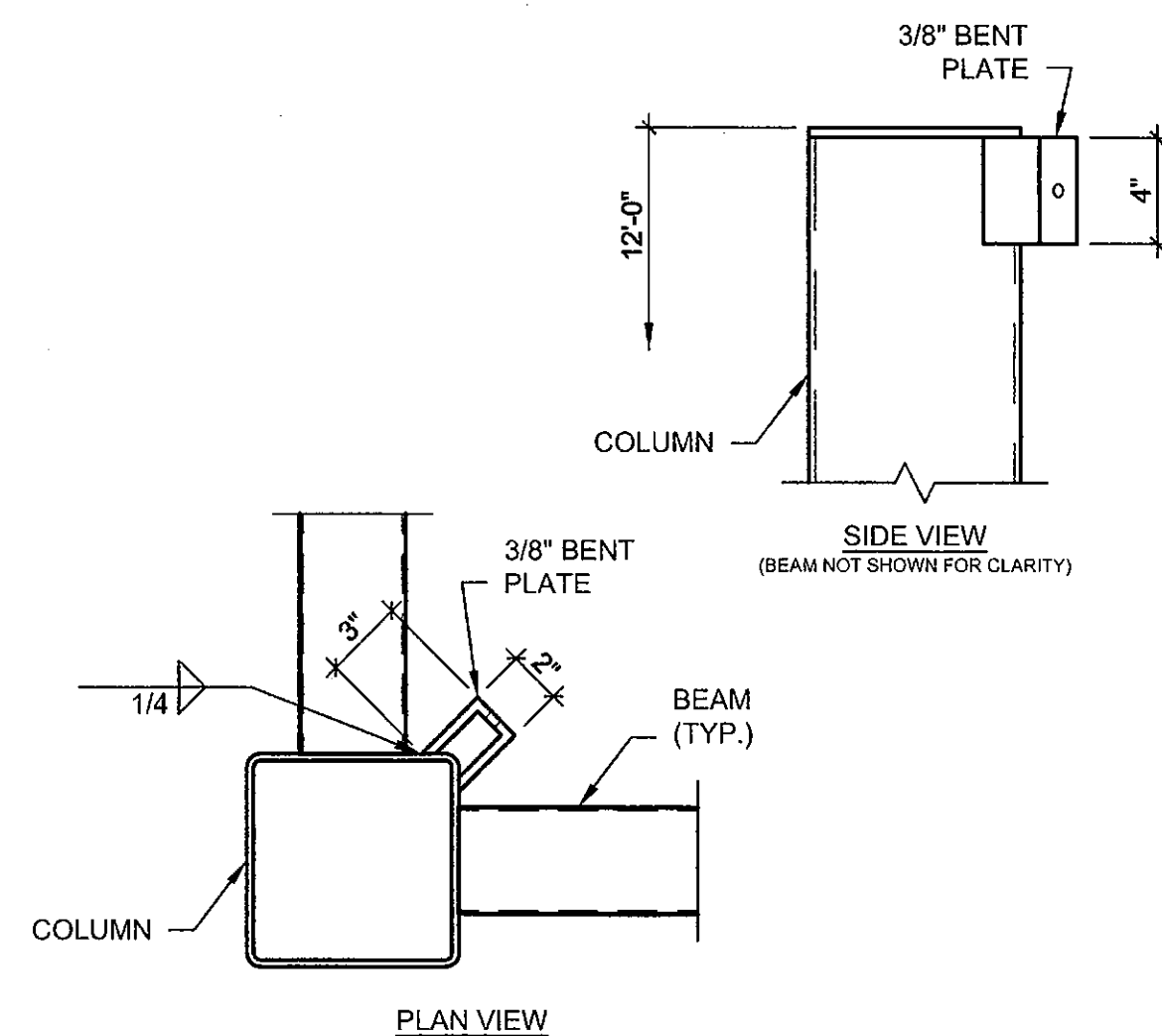
1 ROUND FOOTING

N.T.S.



2 BEAM TO COLUMN

N.T.S.



3 CABLE TO COLUMN

N.T.S.

GENERAL STRUCTURAL NOTES

- CODE:
2012 International Building Code
2007 American Iron and Steel Institute Handbook of Cold-Formed Steel Design
w/ 2010 Supplement.
- Loads:
Roof Live Load = 5 PSF
Ultimate Wind Speed = 115 mph, Exposure = C
Seismic Design Category = II, Seismic Design Category = B
Basic Seismic - force - resisting System:
Lateral : Ordinary Steel Moment Frames
Longitudinal: Ordinary Steel Moment Frames
Analysis Procedure: Equivalent Lateral Force Procedure
- Foundations:
Allowable soil bearing value is 1500 PSF at 18" below finish grade or existing natural grade, whichever is the lower elevation. Round caisson footing embedment depths for footings do not apply to locations where walls of the hole will not stand without supplemental support, or where UNCOMPACTED fill of organic fill material exists. Design lateral soil pressure per IBC section 1804.2 for Ckss 5 soils.
- Concrete:
All concrete herein required shall be done in accordance with ACI Standard 318-05, "Specifications for Structural Concrete for Buildings", which is hereby made a part of these documents, with the following modifications:
Para 2.1.2 Cement shall comply with ASTM C150, Type II, and shall contain no flyash.
Para 3.2 F'c shall be 2,500 PSI minimum for all concrete at 28 days for all concrete.
Para 4.1.3 The use of earth cuts for forms is permitted.
Para 5.2 Reinforcing shall be new billeted steel complying with ASTM A615, Grade 40.
Concrete shall be thoroughly consolidated by suitable means during placement and shall be thoroughly worked around reinforcement and embedded fixtures and into corners of the forms.
Curing of concrete shall be in accordance with sections 1905.11.1 through 1905.11.3.

5 Structural Steel:
All structural steel shall be ASTM A36 (Fy=36,000 PSI) or ASTM A 572 GRADE 50 (Fy=50,000PSI);
All pipe shall be ASTM A 501 (Fy= 36,000 PSI) or ASTM A53, Type "E" or "S" grade "B" (Fy= 36,000 PSI). All tubular steel shall be ASTM A500 (Fy=46,000 PSI). All bolts shall be ASTM A325. Latest AISC and AWS codes apply. All construction per latest AISC handbook. All expansion bolts to have current I.C.B.O. approval. All welding by welders holding valid certificates and having current experience in type of weld shown on the drawings or notes. Certificates shall be those issued by and accepted testing agency. All welding by E70 series low hydrogen rods. (Use E90 for ASTM A706 - grade 40 reinforcing bars). All welding per American Welding Society Standards.

6 Drawing sealing requirement
These drawings are to be wet sealed by the engineer. All copies shall bear wet seals.
If a copy of this drawing is disturbed without the proper wet seal the drawing is considered invalid. The duplication or copying of this drawing could mean the original drawing has been modified from its original content. All liability is removed from the below wet sealed. All wet sealed drawings are signed in blue ink and are accompanied with a red ink "VALID ONLY WHEN WET SEALED" stamp.

7 Contractor:
The contractor must submit in writing any requests for modifications to the plans and specifications and no structural changes from the approved plans shall be made in the field, unless prior to making changes, written approval is obtained from the engineer. Shop drawings submitted the engineer for review do not constitute "in writing" unless it is noted that specific changes are being requested. If changes are made without written approval, such changes shall be the legal and financial responsibility of the contractor or sub-contractors involved and it shall be their responsibility to replace or repair the condition as directed by the engineer.

Contractor shall provide all temporary bracing, shoring, guying or other means to avoid excessive stresses and to hold structural elements in place during erection. The provisions shall remain in position until sufficient permanent members are erected to insure the safety of the partially erected structures. The contract structural drawings and specifications represent the finished structure. Observation visits to the site by the structural engineer shall not include inspection of the above items. The above notes and specifications shall meet or exceed all state and local code requirements before erection.

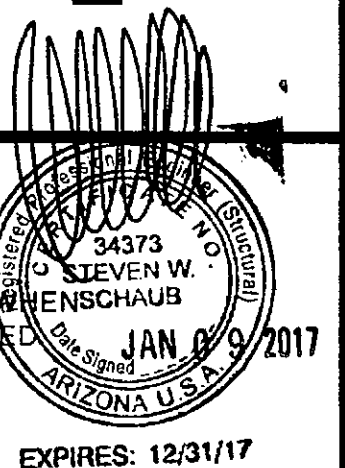
The undersigned engineer will not supervise the fabrication or erection of this structure.

8 Cable Wire:
Stranded Carbon Steel wire rope for general purpose shall meet all requirements of ASTM A1023/A1023M.

SHADE MASTERS		JOB # 1479-16	
COVERED STRUCTURE	COLUMN	HSS 8" x 8" x 1/4"	Fy = 36 KSI
	BEAM	HSS 8" x 4" x 3/16"	Fy = 36 KSI
FOUNDATION TYPE		DIMENSIONS	DEPTH
CONCRETE ROUND		2'-0"Ø	3'-0"

S. E. CONSULTANTS, Inc.
Structural Engineering Consultants
5800 East Thomas Road, Suite 104
Scottsdale, AZ 85251
Phone: (480) 946-2010
Fax: (480) 946-1909

SHADE MASTERS
FABRIC SHADE SAIL W/BEAMS
CORTESIAN APARTMENTS
7719 E. CAMELBACK RD.
SCOTTSDALE, AZ 85251



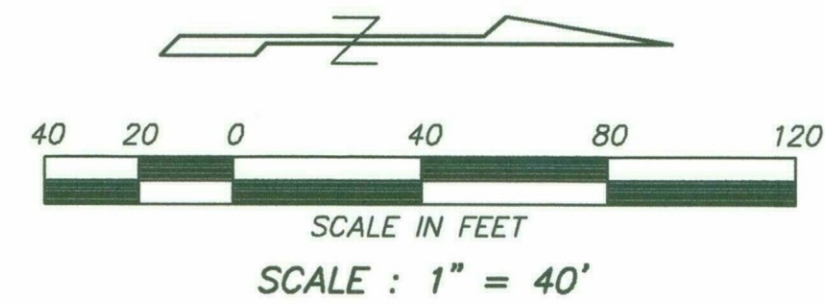
FRAMING & FOUNDATION PLAN,
ELEVATION, DETAILS & GSN

GCS
JMC
SWS
design
drawn
check
date
01/03/2017

SHEET
S-1
of 1
Job
1479-16

MILLER ROAD

S 1/4 COR. SEC. 23



MILLER ROAD

CENTER OF SEC. 23
FND STONE IN HANDHOLE

AVENUE

LEGEND

- Property Corner (See Monument Table)
- Property Line
- Fnd Brass Cap in Handhole (unless otherwise noted)
- Fnd Brass Cap Flush
- Schedule "B" Item
- 24 inch Vertical Curb & Gutter
- 6 inch Concrete Curb
- Indicates Driveway (means of access)
- Concrete Surface
- Fence
- Wall
- Overhead Electric Line
- Underground Water Line
- Underground Sewer Line
- Underground Gas Line
- Underground Electric Line
- Underground Telephone Line
- Back Flow Preventer
- Down Guy Wire
- Electric Box
- Electric Cabinet
- Electric Meter
- Electric Transformer
- Fire Hydrant
- Flag Pole
- Gas Meter
- Gas Stub
- Gas Valve
- Guard Post or Gate Post
- Handicapped Space
- Irrigation Structure
- Light Pole
- Metal Cover
- Metal Cover
- Power Pole
- Power Pole W/ Underground Electric
- Sewer Manhole
- Sewer Clean Out
- Storm Drain Manhole
- Telephone Manhole
- BBQ
- Telephone Riser
- Traffic Signal Pole
- TV Junction Box
- Water Meter
- Water Valve
- Building Number
- Fitness Center
- Storage Building

BUILDING TABLE				
BUILDING	HEIGHT	SQ. FEET	TYPE	UNIT NO.
1	20'	3,051	TWO STORY STUCCO	501-508
2	20'	4,516	TWO STORY STUCCO	509-520
3	20'	3,223	TWO STORY STUCCO	529-536
4	20'	3,152	TWO STORY STUCCO	521-528
5	20'	4,115	TWO STORY STUCCO	537-544
6	20'	7,124	TWO STORY STUCCO	549-560
7	20'	4,124	TWO STORY STUCCO	545-548 561-564
8	20'	5,122	TWO STORY STUCCO	569-580
9	20'	1,904	TWO STORY STUCCO	565-568
10	20'	5,231	TWO STORY STUCCO	609-622
11	20'	5,900	TWO STORY STUCCO	581-592
12	20'	4,059	TWO STORY STUCCO	601-608
13	20'	4,059	TWO STORY STUCCO	593-600
14	20'	4,593	TWO STORY STUCCO	183-188 283-288
15	20'	5,998	TWO STORY STUCCO	157-162 173-174 257-262 273 274
16	20'	2,841	TWO STORY STUCCO	175-178 275-278
17	20'	6,036	TWO STORY STUCCO	165-172 265-272
18	20'	1,804	TWO STORY STUCCO	183-184 263-264
19	20'	632	TWO STORY STUCCO	
20	20'	3,208	TWO STORY STUCCO	179-182 279-282
21	20'	4,045	TWO STORY STUCCO	301-304 401-404
22	20'	5,527	TWO STORY STUCCO	189-194 291-294
23	20'	3,860	TWO STORY STUCCO	305-310
24	20'	1,904	TWO STORY STUCCO	195-196 295-296
25	20'	3,768	TWO STORY STUCCO	197-199 297-299
26	20'	2,322	TWO STORY STUCCO	311-313 411-413
27	20'	4,049	TWO STORY STUCCO	115-118 215-218
28	20'	5,621	TWO STORY STUCCO	101-108 201 & 202
29	20'	1,904	TWO STORY STUCCO	119-120 219-220
30	20'	3,753	TWO STORY STUCCO	111-114 213 & 214
31	20'	3,753	TWO STORY STUCCO	
32	20'	2,801	TWO STORY STUCCO	100 109-110 209-210
33	20'	4,049	TWO STORY STUCCO	121-124 221-224
34	20'	3,204	TWO STORY STUCCO	135-138 235-238
35	20'	6,045	TWO STORY STUCCO	125-132 225-232
36	20'	4,225	TWO STORY STUCCO	139-144 239-244
37	20'	1,526	TWO STORY STUCCO	149-150 249-250
38	20'	2,237	TWO STORY STUCCO	151-152 251-252
39	20'	4,045	TWO STORY STUCCO	153-156 253-256
40	20'	3,834	TWO STORY STUCCO	145-148 245-248
41	20'	2,237	TWO STORY STUCCO	133-134 233-234
42	10'	403	ONE STORY STUCCO	

LINE	BEARING	DISTANCE
L1	S 89°58'47" W	596.84'
L2	N 00°24'28" W	933.47'
L3	N 90°00'00" E	561.35'
L4	S 45°12'51" E	21.29'
L5	S 00°25'43" E	938.40'

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING
C1	20.00'	31.56'	90°24'28"	N 44°47'46" E

MONUMENT TABLE	
①	FND 1/2" REBAR W/ CAP L.S. 37936 PER R.O.S. BK. 767, PG. 7, M.C.R.
②	FND 1/2" REBAR W/ CAP L.S. 16203 PER R.O.S. BK. 767, PG. 7, M.C.R.
③	FND 1/2" REBAR W/ CAP L.S. 37936 PER R.O.S. BK. 767, PG. 7, M.C.R. - ALSO FND 1/2" REBAR W/CAP L.S. 9087, NORTH 0.52'



THE CORTESIAN
7749 E. CAMELBACK ROAD, SCOTTSDALE, ARIZONA

STATEWIDE SERVICE IN ARIZONA
www.alliancelandsurveying.com

7900 N. 70th AVENUE TEL (623) 972-2200
SUITE 104 FAX (623) 972-1616
GLENDALE, AZ 85303

REV. 6-26-14 Revised per new title report
REV. 6-27-14 Revised Certification

SHEET: 2 OF 2 DATE: 3-12-14 JOB NO.: 140309