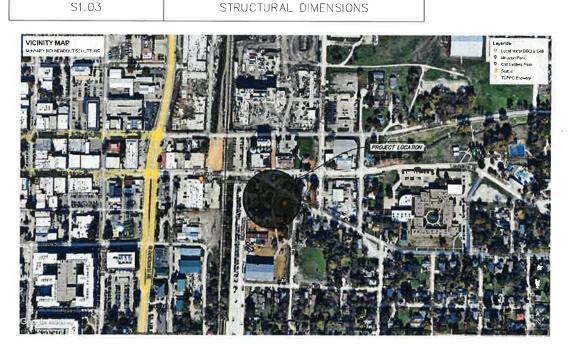
# McKINNEY ROUNDABOUT SCULPTURE

## E. LOUISIANA AND GREENVILLE CITY OF McKINNEY, TEXAS 75069

SHEET INDEX C0.00 COVER SHEET CG1.00 GENERAL NOTES AT.UU PLAN & ELEVATION VIEWS S1.01 STRUCTURAL FOUNDATION S1.02 STRUCTURAL DETAILS

OWNER: ALLI KOCK E-MAIL: hello@allikdesign.com PHONE NUMBER: (972) 342-7195



ASTM DESCRIPTION

A307/A325/A490

A529/A572

A529/A36

A500 Gr B



#### GENERAL NOTES MATERIALS:

STRUCTURAL STEEL PLATE HOT ROLLED MILL SHAPES **BOLTS** SECTION HSS

DESIGN CRITERIA:

LIVE LOAD: 20.00 PSF DEAD LOAD: 25 LBF SNOW LOAD: 5.00 PSF WIND SPEED: 115 MPH

PROJECT DESCRIPTION

1. STRUCTURAL FOUNDATION DESIGN FOR THE SURFACE WHERE ARE LOCATED THE SCULPTURE

2. INSTALL ILLUMINATION FOR THE SCULPTURE

#### APPLICABLE CODES

- 1. INTERNATIONAL BUILDING CODE (IBC-2021)
  2. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE 7-22)
  3. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC-15th EDITION)
- 4. COLD FORMED STEÉL FRAMING DESIGN GUIDE (A|S|-16)
- 5. AMERICAN CONCRETE INSTITUTE (ACI 318-19)



- 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK, THE DIMENSIONS SHOWN HEREIN SHALL BE FIELD VERIFIED.

  2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND REGULATIONS DURING CONSTRUCTION. CONTRACTOR SHALL FOLLOW DISHA CUIDE LINES.

  3. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISH STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, GUYING AND/OR BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALLOMENT UNTIL ALL STRUCTURAL IS COMPLETED, AND CONNECTIONS HAVE BEEN INSTALLED. ALSO, EXISTING HEADER BEAMS AND SHORING SHALL ACT TOGETHER AS THE PORTARY PORTALS.

- COMPLETED, AND CONNECTIONS HAVE BEEN INSTALLED. ALSO, EXISTING HEADER BEAMS AND SHORING SHALL ACT TOOETHER AS TEMPORARY PORTALS.

  4. THE INVESTIGATIONS, DESIGN SAFETY AND INSPECTION OF ERECTION, BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

  5. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE CONTRACTOR IS THE ONLY RESPONSIBLE FOR THE SUPERVISION OF THE WORK.

  6. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE LOAD CARRYING CAPACITY OF THE STRUCTURAL MEMBERS AND OR CONNECTIONS. THE LIVE LOADINGS USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE DESIGN CONTRIBUTION LOADS SHALL BE APPLIED.

  7. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.

  8. FOR MECHANICAL, PLUMBING & ELECTRICAL NOTES, REFER TO MIPE PLANS.

  9. GREAT CARE AND EFFORT HAVE GONE INTO THE CREATION OF THESE BLUEPRINTS. HOWEVER, BECAUSE OF THE VARIANCE DUE TO ACTUAL FIELD CONDITIONS, THE ENGINEER WILL NOT ASSUME LIABILITY FOR ANY DAMAGES DUE TO ERRORS, OMISSIONS, OR DEFICIENCES ON THESE PLANS.

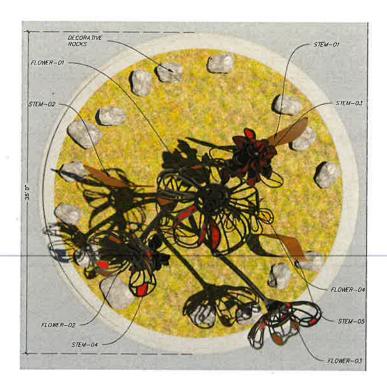
  10. THESE PLANS MUST BE VERNIFED AND CHECKED BY THE BUILDER, OWNER, AND ALL CONTRACTORS OF THIS JOB PRIOR TO CONSTRUCTION. NOTE: ALL FEBERAL, STATE, AND COOPS AND RESTRUCTIONS STAKE PRECEDENCE OVER ANY PART OF THESE PLANS, UNLESS THE ENGINEER HAS BEEN MADE ENGAGED IN THE CONSTRUCTION SUPPRISONS. ON ANY TRACING OR ALTERATION OF THESE PLANS, UNLESS THE ENGINEER THAS BEEN MADE ENGAGED IN THE CONSTRUCTION SUPPRISONS.

  10. THESE PLANS MUST BE VERNIFED AND CHECKED BY THE BUILDER, OWNER, AND ALL CONTRACTORS OF THIS JOB PRIOR TO CONSTRUCTION. NOTE: ALL FEBERAL, STATE, AND COOPS AND RESTRICTIONS TAKE PRECEDENCE OVER ANY PART OF THESE PLANS, UNLESS THE ENGINEER TO MODITY THIS STIC ONLY ONCE. ANY TRACING OR ALTERATION OF THESE PLANS, UNLESS THE ENGINEER TO MODITY THIS STIC ONLY ONCE. ANY TRACING OR ALTERATION OF THESE PLANS, OWNER/BUILDE

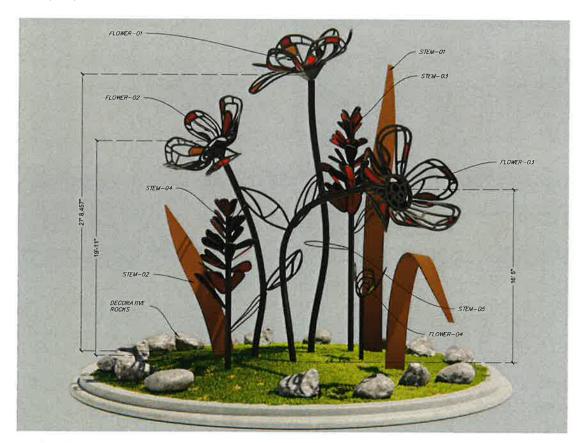




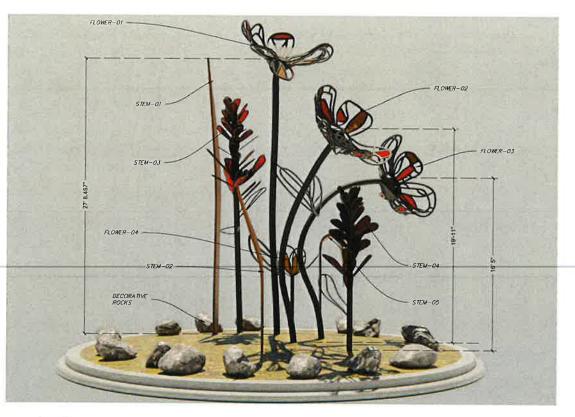
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xxxx	XX	XX	Ë	ILE NUMBER		SHEET NO
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1 PLAN VIEW A1.00 SCALE: 1/4"=1'



3 ELEVATION VIEW-02 A1.00 SCALE: 1/4"=1"



2 ELEVATION VIEW-01 A1.00 SCALE: 1/4"=1"

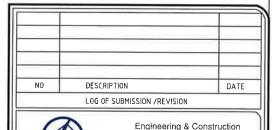


4 SCULPTURE 3D MODEL BASED ON CLIENT?S MODEL A1.00 SCALE: 1/4"=1"





"THE SEAL APPEARING ON THIS DRAWING WAS AUTHORIZED BY JUAN A. MURILLO, P.E. 94313 (





Engineering & Construction Integration Services, Inc. www.ecis-engineering.com

TBPE Firm Registration No. F-20414

V. Walnut Hill Lane, Suite 285
Irving, Texas 75038
214-591-3100

SHEET

PLAN AND ELEVATION VIEWS

OWNER ALLI KOCK

ADDRESS

E LOUISIANA AND GREENVILLE
CITY OF McKINNEY
TX 75069

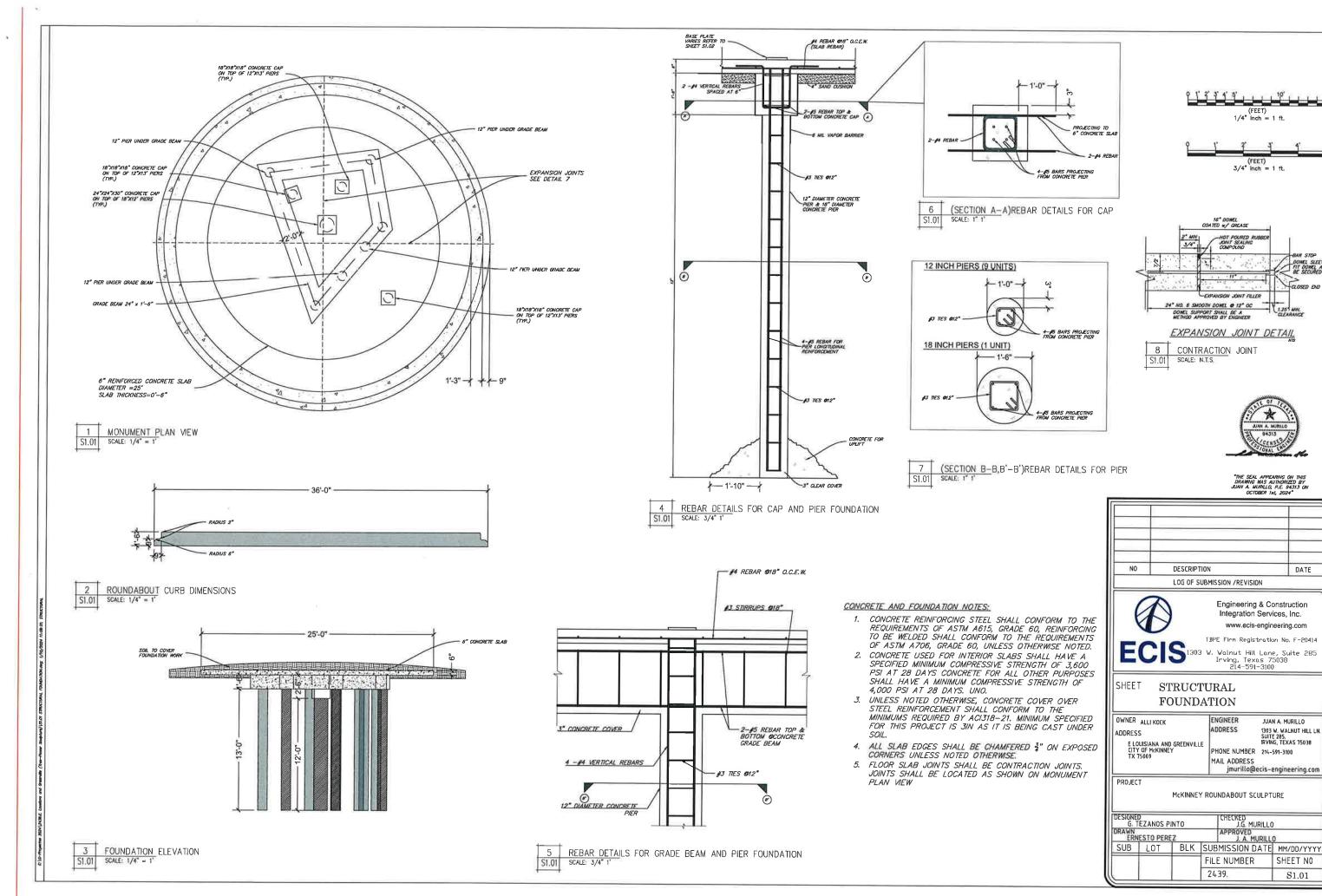
ENGINEER JUAN A. MURILLO
ADDRESS 1303 W. WALNUT HILL IN.
SUITE 285.
IRVING, TEXAS 75036
PHONE NUMBER 214-591-3100

MAIL ADDRESS jmurillo@ecis-engineering.com

PROJECT

McKINNEY ROUNDABOUT SCULPTURE

DESIGNE G. T	D EZANOS PI	NTO		CHECKED J.G. MURILLO	
DRAWN ERN	ESTO PERE	Z		APPROVED J. A. MURILL	0
SUB	LOT	BLK	SUE	MISSION DATE	MM/DD/YYYY
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(FEET) 1/4" Inch = 1 ft.

(FEET) 3/4" Inch = 1

"THE SEAL APPEARING ON THIS DRAWING WAS AUTHORIZED BY JUAN A. MURILLO, P.E. 94313 ON OCTOBER 1st, 2024"

DATE

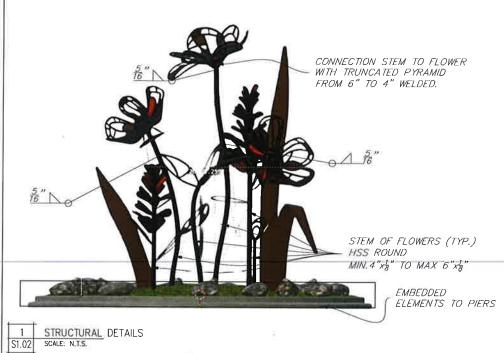
JUAN A. MURILLO

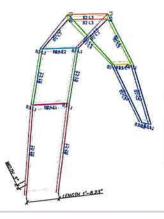
J. A. MURILLO

1303 W. WALNUT HILL LN SUITE 285. IRVING, TEXAS 75038

SHEET NO

S1.01





COLOR DESCRIPTION	LENGTH	OUNINITY	DECEMBER MARKET ASSE	
Mil migr	4,35/1			
	4,3072	7	Smooth Hot rolled Round bare (	
NOR BI-CF	2.707	- 1	Smooth Hot rolled Round Bors \$	
30E 20-65	2439	10		
	200	- 1		
	235/1	-	Smooth Het rolled Round born &	
	E GOY!			
BR 19-44	Atter	,		
	2941	((4))	1	
	2.701	,	Smooth Hot rolled Round Dara \$	
	2,4371	1	1	
m n-cr	Acers	2	Smooth Had rolled Round born \$	
	21277	2	Smooth Had replied Round bory \$	
M 40-07	LIGHT	,	Smarth Had rated Round born \$"	
m m-u	LANT	7	Smooth Had rated Round bory I'	
<b>■ #1:42</b>	ZOWY	- 1	Smooth Had rathed Hound born \$"	
■ M-44	1.00/2	7	Smooth Had rolled Round have I'	
M AP-CF	Gerr.	- 7	Smooth Het rolled Round Sore \$"	
El-iz	0257	30	Smooth Hot rolled Round bary 1"	

COLOR DESCRIPTION

CHAIN THE

CH-12

CH-13

CH-13

CH-13

CH-13

CH-14

CH-13

CH-14

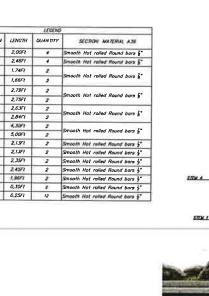
CH-15

CH-17

CH-17

CH-17

CH-18





4 STEM 1: SECTION DETAIL S1.02 SCALE: N.T.S.



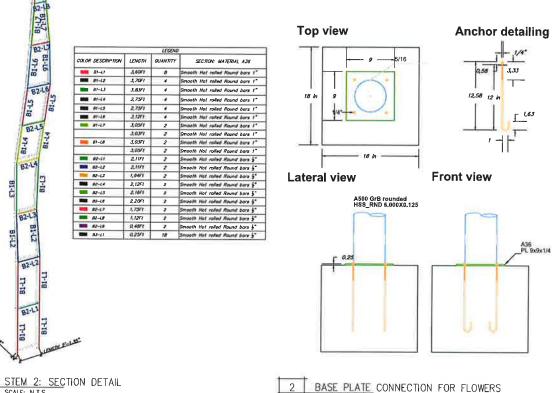
"THE SEAL APPEARING ON THI DRAWING WAS AUTHORIZED B JUAN A. MURILLO, P.E. 94313 OCTOBER 1st, 2024"

4 STEM 5: SECTION DETAIL
S1.02 SCALE: N.T.S.

#### NOTE:

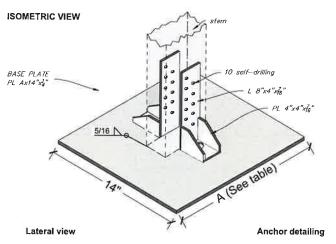
3 S1.02

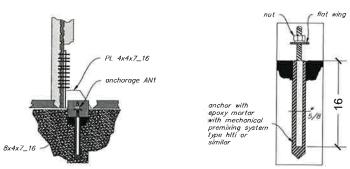
- EACH PETAL WEIGHS 27 LBS
- STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "STEEL CONSTRUCTION MANUAL" 13TH EDITION.
- ALL WELDING SHALL CONFORM TO THE PROVISIONS OF AWS D1.1:2010 CODE, USING E70XX ELECTRODES.
- BASE PLATE A36
- ALL CAST IN PLACE ANCHOR BOLTS & J-BOLTS SHALL BE ASTM A307 OR F1554 Gr36, UNLESS NOTED OTHERWISE.
- ADD HIGH STRENGTH ANCHORING EPOXY TO CONNECT EXISTING CONCRETE
- FLOWERS AND STEMS WITH LEAFS MINIMUM SECTION HSS ROUND 4"x 1/8" MAXIMUS SECTION HSS ROUND 6"X 1/8"
- IN EACH FACE OF STEM ADD STAINLESS STEEL: THICKNESS 16



SCALE: N.T.S.

IDENTIFY	A (LENGTH)
STEM 1	28in
STEM 2	28in
STEM 5	24in





5 BASE PLATE CONNECTION FOR STEMS CONFORMED BY BARS S1.02 SCALE: N.T.S.

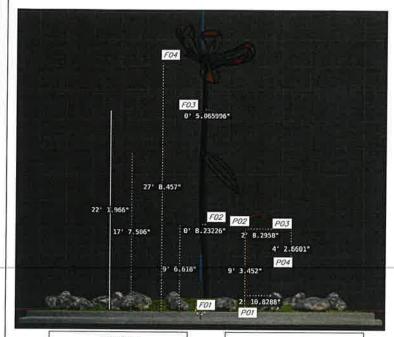
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FC		Integration www.ecis-	& Construction Services, Inc. engineering.com tration No. F-20414 Lane, Suite 285 as 75038
LU		Irving, Tex 214-591	as 75038 -3100
_			
SHEET	STRUCTU	URAL DE	ΓAILS
OWNER ALLI KI	OCK	ENGINEER ADDRESS PHONE NUMBER MAIL ADDRESS	JUAN A, MURILLO 1303 W, WALNUT HILL LN, SUITE 285, IRVING, TEXAS 75038
OWNER ALLI KI ADDRESS E LOUISIANA CITY OF MC	OCK	ENGINEER ADDRESS PHONE NUMBER MAIL ADDRESS	JUAN A, MURILLO 1303 W, WALNUT HILL LN, SUITE 285. IRVING, TEXAS 75038 214-591-3100
OWNER ALLI KI ADDRESS E LOUISIAN/ CITY OF MCI TX 75069	OCK A AND GREENVILLE KINNEY	ENGINEER ADDRESS PHONE NUMBER MAIL ADDRESS	JUAN A, MURILLO 1303 W. WALNUT HILL LN, SUITE 285. IRVING, TEXAS 75030 214-591-3100 ecis-engineering.com
OWNER ALLIKI ADDRESS E LOUISIAN, CITY OF MC TX 75069  PROJECT	OCK A AND GREENVILLE KINNEY MCKINNEY F	ENGINEER ADDRESS  PHONE NUMBER MAIL ADDRESS jmurillo@	JUAN A. MURILLO 1903 W. WALNUT HILL LN. SUITE 285. IRVING, TEXAS 75036 214-591-3100 ecis-engineering.com
OWNER ALLIKI ADDRESS ELOUISIAN, CITY OF MC TX 75069  PROJECT  DESIGNED G, TEZANI DRAWN	OCK  A AND GREENVILLE KINNEY  MCKINNEY F	ENGINEER ADDRESS  PHONE NUMBER MAIL ADDRESS jmurillo@  ROUNDABOUT SC  CHECKED J.G. ML	JUAN A. MURILLO 1903 W. WALNUT HILL LN. SUITE 285. IRVING, TEXAS 75036 214-591-3100 ecis-engineering.com
OWNER ALLIKI ADDRESS E LOUISIAN, CITY OF MC TX 75069  PROJECT	OCK  A AND GREENVILLE KINNEY  MCKINNEY F  OS PINTO PEREZ	ENGINEER ADDRESS  PHONE NUMBER MAIL ADDRESS jmuritlo@  ROUNDABOUT SC  CHECKED J.G. M. APPROVED J. A. M	JUAN A. MURILLO 1903 W. WALNUT HILL LN. SUITE 285. IRVING, TEXAS 75036 214-591-3100 ecis-engineering.com

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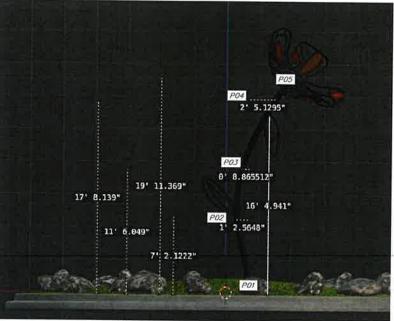
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S1.02

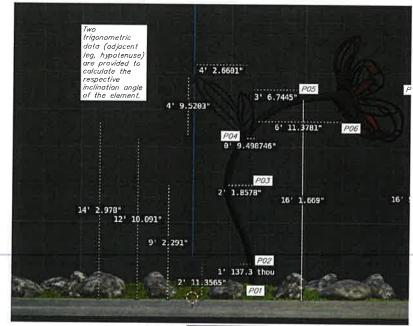


	FLOWER-01
MOTERENCE	ANS
FOT	0'4:0'5
F02	-0' 8.23226"x;1.44801'y
ras	-0.5065996"x; 22" 1.966";
F01	0'x:27" 8.457"y

	STEM-05
REFERENCE	AX15
PO1	0'x;0'y
P02	0'x;9' 3.452"y
POJ	0'x; 2' 8.2958"y
P04	2' 10.8288"x;-4' 2.6601"y



FLOWER-02		
KETERENCE	ARS	
POI	0's;0'y	
PO2	-1" 2.5848"s; 7" 2.1222"y	
POS	-0" @ 865512"x;11" 6.049"y	
POI	2" 5.1295"x;17" 6.139"y	
105	0'x;19' 11.369"y	

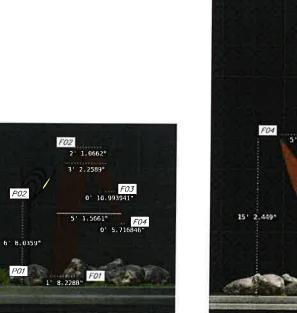


FLOWER-03		
REFERENCE	AXIS	
POI	0'x;0'y	
P02	1' 137.3"x;2' 11.3565"y	
POJ	-2' 1.8578"x;9' 2.291"y	
P04	-0° 9.498746°x;12° 10.091"y	
P05	3' 6.7445"x;18' 1.669"y	
P06	6' 11.3781"x;14' 2.978"y	
P07	0'x; 16* 5.891"y	

### NOTE

To be able to review the details of the element sections. See sheet \$1,02



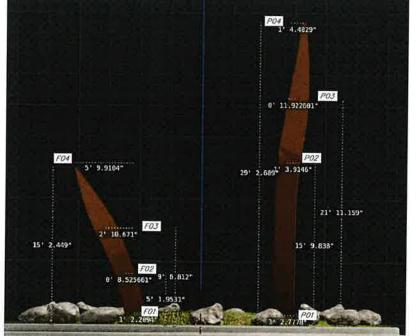


F	LOWER-04
REFERENCE	AXIS
POI	0'x;0'y
P02	-0'x;6' &0J59"y

	STEM-05
REFERENCE	SECTIONS
FOI	1' 8.2288"
F02	2' 1.0662"
FOJ	0' 10.993941"
F04	0' 5.716846"

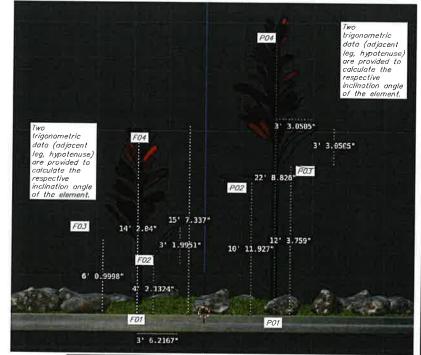
F02 2' 1 8662

3' 2 2589



REFERENCE	ARIS
FOI	-1" 2.2094"x,0'y
102	-0" 8 525661"x;9" 6.812")
ros	2" 10671"4;9" 6.812"9
101	-3" 9.9104"s;15" 2.449"y

REFERENCE	AXIS	
POI	0'x;0'y	
P02	1' J.9146"x; 15' 9.838"y	
POJ	-0' 11.922801"x; 21' 11.159"y	
P04	-1' 4.4829"x; 29' 2.689"y	



STEM-04		
REFERENCE	AXI5	
F01	0'x;0'y	
F02	0'x;4' 2.1324"y	
FO3	0'x;6" 0.9998"y	
F04	0'x;14' 2.04"y	

51EM-03		
AXIS 0'x;0'y		
		0'x;10' 11.927")
0'x;12' 1.759"y		
0"x;22' 8.826"y		



TBPE Firm Registration No. F-20414 ECIS 1303 W. Walnut Hill Lane, Suite 285 Irving, Texas 75038 214-591-3100

SHEET

STRUCTURAL DIMENSIONS

WNER ALLIKOCK	ENGINEER	JUAN A, MURILLO
DDRESS	ADDRESS	1303 W. WALNUT HILL SUITE 285
E LOUISIANA AND GREENVILLE CITY OF MCKINNEY TX 75069		IRVING, TEXAS 75038
	PHONE NUMBER	214-591-3100
	MAIL ADDRESS	
	imurillo@e	ecis-engineering.c

PROJECT

McKINNEY ROUNDABOUT SCULPTURE

DESIGNED G. TEZANOS PINTO				J.G. MURILLO	
DRAWN ERN	ESTO PERI	Z		APPROVED  J. A. MURILLI	0
SUB	LOT	BLK	SUE	MISSION DATE	MM/DD/YYYY
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