

**ADDENDUM FIVE
GATEWAY SCULPTURES AT BLUE GOOSE HOLLOW
CONTRACT NO. D-16-006-201
CITY OF CHATTANOOGA, TENNESSEE**

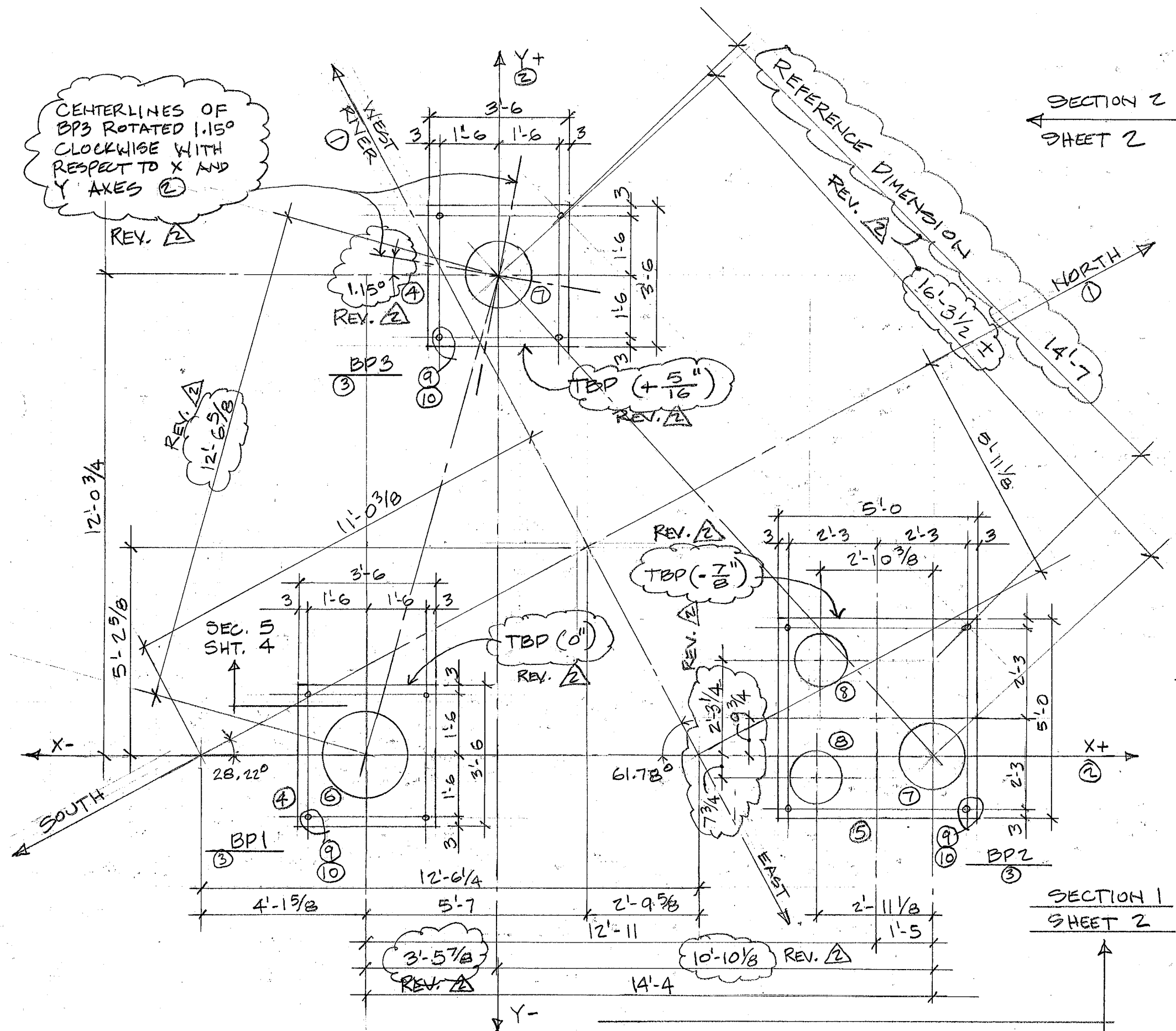
The following changes shall be made to the Contract Documents, Specifications, and Drawings:

I. Revised Drawings

1. Revised drawings are included for the baseplate layout, replacing Sheets 3 & 4.
2. Due to foundation loading changes reflected in these drawings, revisions to the concrete foundation dimensions, reinforcing schedule and placement, depth of excavation, number and location of helical piers, and the size, thickness or grade of the helical pier top plate may be required prior to construction. Consequently, the quantities for pay items may be increased, decreased, or removed in order to accommodate the revised loading requirements.

January 9, 2018

/s/ Justin C. Holland, Administrator
City of Chattanooga
Department of Public Works



BASE PLATE PLAN FOR SCULPTURE AT LOCATION 1B $\frac{3}{8}'' = 1'-0$

NOTES TO DRAWINGS

1. AXES SHOWN ON DRAWINGS BY PALEY STUDIOS LTD.
2. AXES USED ON THESE DRAWINGS.
3. BASE PLATE NUMBER.
4. PLATE $3'-6 \times 3'-6 \times \frac{1}{4}$
5. PLATE $5'-0 \times 5'-0 \times \frac{1}{4}$
6. 26" DIA. \times 0.625 PIPE.
7. 20" DIA. \times 0.500 PIPE.
8. 16" DIA. \times 0.375 PIPE.
9. 4- $\frac{1}{4}$ " DIA. ANCHOR BOLTS.
10. $\frac{13}{4}$ " DIA. HOLES FOR ANCHOR BOLTS

REV. (2)

NOTE: TBP = RELATIVE TOP OF BASE PLATE ELEVATION.

SCULPTURES FOR TENNESSEE

RIVERPARK EXTENSION

CHATTANOOGA, TN

BY PALEY STUDIOS LTD

1677 LYELL AVE, SUITE A,

ROCHESTER, NY 14606 585-232-5260

JENSEN/BRV ENGINEERING, PLLC

1653 EAST MAIN ST

ROCHESTER, NY 14609 585-482-8130

DWN: JR MARCH 23, 2017

REVISED (1) APRIL 24, 2017

REVISED (2) DECEMBER 27, 2017

SHEET 1 OF 4

WIND FORCES AND MOMENTS ACTING ON BASE PLATES; FORCES ON ANCHOR BOLTS												
WIND DIRECTION	+X						-X					
BASE PLATE NUMBER	BP1		BP3		BP2		BP1		BP3		BP2	
SECTION 1/SHT 1 -SCHEMATIC- NTS												
WIND FORCES ACTING ON BASE PLATE (NW 1)												
FORCES ON EACH OF 2 ANCHOR BOLTS												
TENSION - UPLIFT	5k	5k			(GL2)	-	(GL2)				5k	5k
SHEAR	+1k	+1k			+1.5k	+1.5k	-1k	-1k			-1.5k	-1.5k
WIND DIRECTION	+Y						-Y					
BASE PLATE NUMBER	BP2		BP1		BP3		BP2		BP1		BP3	
SECTION 2/SHEET 1 -SCHEMATIC- NTS												
WIND FORCES AND MOMENTS ACTING ON BASE PLATE (NW 2)												
FORCES ON EACH OF 2 ANCHOR BOLTS												
TENSION - MOMENT	5k	(GL2)	21k		7.5k		(GL2)	5k		21k		7.5k
- UPLIFT	-		2.75k		-2.75k		-		-2.75k		2.75k	
- TOTAL	5k		24k		5k		5k		18k		10k	
SHEAR			+1.5k	+1.5k	+1.5k	+1.5k			-1.5k	-1.5k	-1.5k	-1.5k

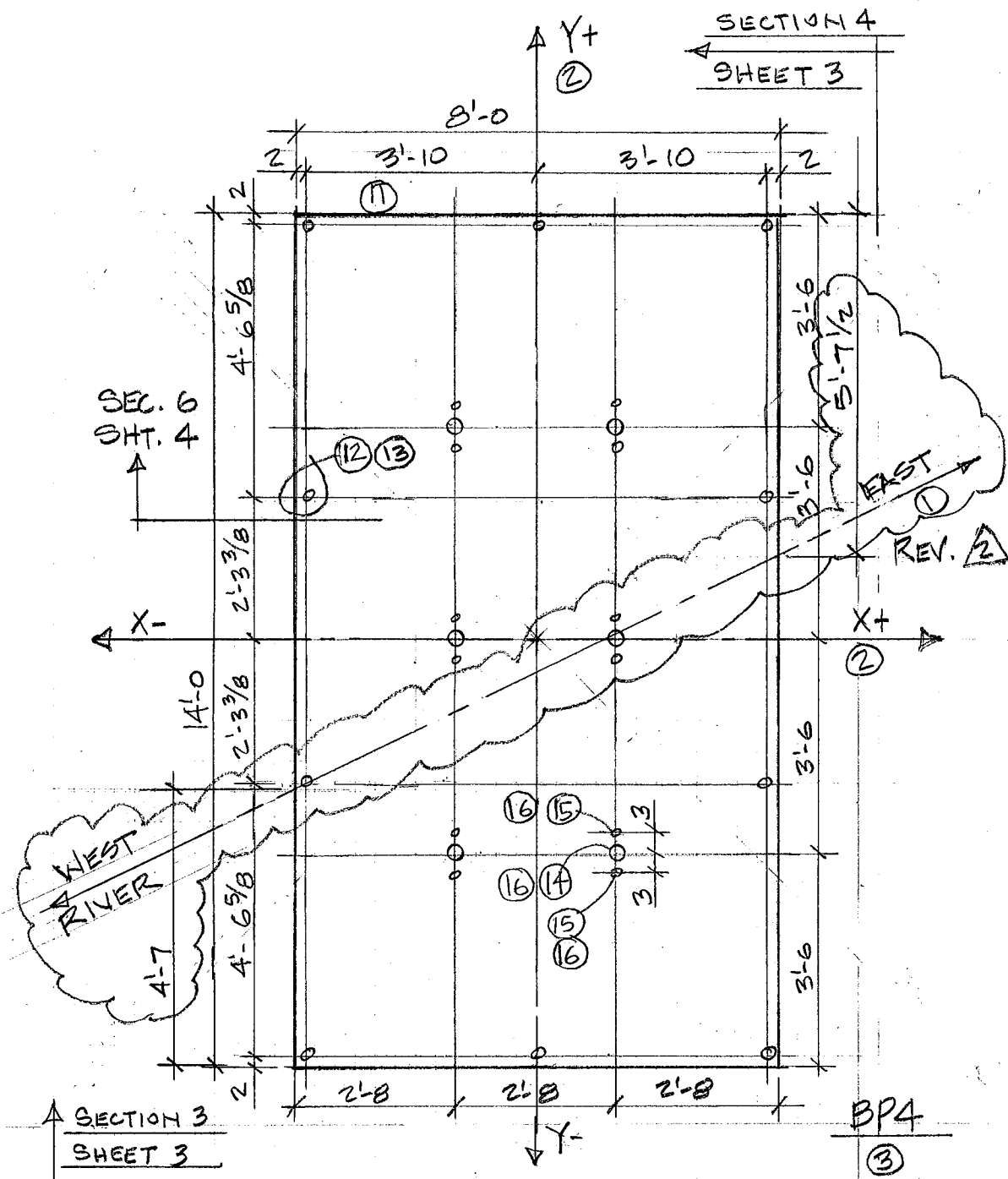
NOTES TO WIND FORCE TABLE (NW)

1. CAUSED BY RESULTANT HORIZONTAL WIND LOAD OF 10k ACTING AT 29' ABOVE TOP OF BASE PLATE.
2. CAUSED BY RESULTANT HORIZONTAL WIND LOAD OF 12k ACTING AT 29' ABOVE TOP OF BASE PLATE.
3. WIND LOAD PARALLEL TO X DIRECTION RESISTED BY A-FRAME WHICH BEARS ON PLATES BP1 & BP2. WIND LOAD RESISTED BY FRAMING WHICH BEARS ON BP3 IS NEGLIGIBLE.
4. SCULPTURE ABOVE BASE PLATE NOT SHOWN IN THIS TABLE.

GENERAL LOAD NOTES (GL) REV. 2

1. TOTAL WEIGHT OF SCULPTURE IS 78k. DEAD LOAD OF SCULPTURE ON EACH BASE PLATE IS AS FOLLOWS: BP1 37k, BP2 25k, BP3 16k DIRECTED VERTICALLY DOWNWARD AND CENTERED ON THE PLATE.
2. COMPRESSIVE LOADS ARE TRANSFERRED FROM THE BASE PLATE TO THE FOUNDATION BY BEARING PRESSURE - TYPICAL.

SCULPTURES FOR TENNESSEE RIVERPARK EXTENSION CHATTANOOGA, TN	BY PALEY STUDIOS LTD 1677 LYELL AVE, SUITE A ROCHESTER, NY 14606 585-232-5260	JENSEN/BRY ENGINEERING, PLLC 1653 EAST MAIN ST ROCHESTER, NY 14609 585-482-8130	DWN: JR MARCH 23, 2017 REVISED Δ APRIL 24, 2017 REVISED Δ DECEMBER 27, 2017 SHEET 2 OF 4
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BASE PLATE PLAN FOR SCULPTURE
AT LOCATION 1A 3/8" = 1'-0"

NOTES TO DRAWINGS (CONTINUED)

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|---|---|
| <p>11. PLATE 8'-0" x 14'-0" x 1"</p> <p>12. 10 - 3/4" DIA. ANCHOR BOLTS.</p> <p>13. 1 1/6" DIA. HOLES FOR ANCHOR BOLTS.</p> <p>14. 3" DIA. GROUT HOLES.</p> <p>15. 3/4" DIA. THREADED HOLES FOR 3/4" DIA. LEVELING BOLTS.</p> | <p>16. ADJUST LOCATION OF GROUT HOLES AND LEVELING BOLTS AS NECESSARY TO AVOID INTERFERENCE WITH STRUCTURAL ELEMENTS.</p> |
|---|---|

WIND FORCES AND MOMENTS ACTING ON BASE PLATE BP4; FORCES ON ANCHOR BOLTS			
WIND DIRECTION	+X	-X	
SECTION 3 / SHT 3 -SCHEMATIC- NTS	(NW2) (NW3)		
WIND FORCES AND MOMENTS ACTING ON BASE PLATE (NW1)			
TENSION FORCE ON EACH OF 4 ANCHOR BOLTS	0.20k (GL2)	(GL2)	0.20k
WIND DIRECTION	+Y	-Y	
SECTION 4 / SHT 3 -SCHEMATIC- NTS	(NW2) (NW3)		
WIND FORCES AND MOMENTS ACTING ON BASE PLATE (NW1)			
TENSION FORCE ON EACH OF 3 ANCHOR BOLTS	0.16k (GL2)	(GL2)	0.16k

NOTES TO WIND FORCE TABLE (NW)

1. CAUSED BY RESULTANT HORIZONTAL WIND LOAD OF 1.2k ACTING AT 5' ABOVE TOP OF BASE PLATE IN BOTH THE X DIRECTION AND THE Y DIRECTION.
2. SHEAR ON EACH OF 10 BOLTS CAUSED BY 1.2k WIND LOAD IS 0.12k ACTING IN THE SAME DIRECTION AS THE WIND LOAD.
3. SCULPTURE ABOVE BASE PLATE IS NOT SHOWN.

REV. 2
GENERAL LOAD NOTES (GL)

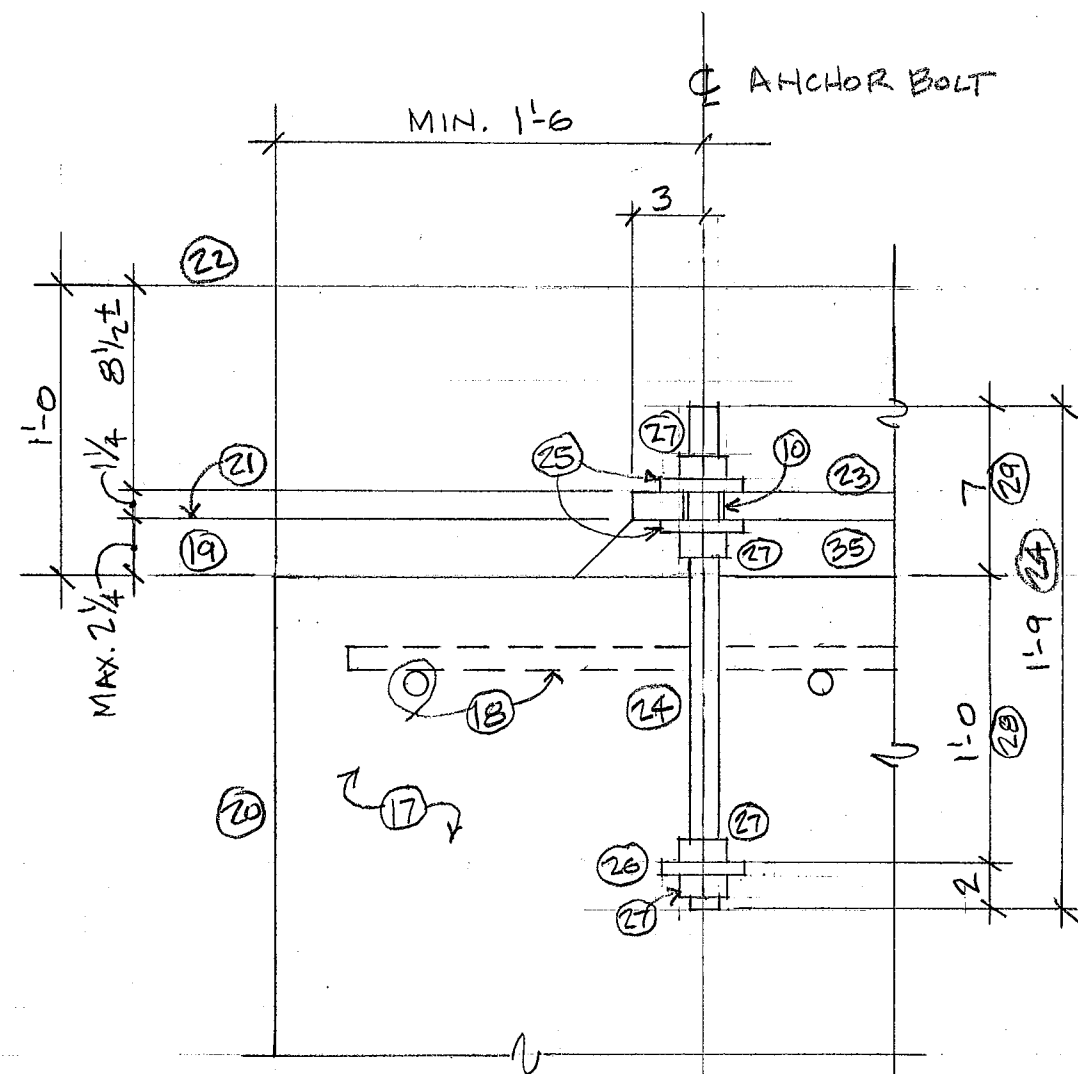
1. TOTAL WEIGHT OF SCULPTURE IS 1.3k, DIRECTED VERTICALLY DOWNWARD AND CENTERED ON THE PLATE.
2. COMPRESSIVE LOADS ARE TRANSFERRED FROM THE BASE PLATE TO THE FOUNDATION BY BEARING PRESSURE - TYPICAL

SCULPTURES FOR TENNESSEE
RIVERPARK EXTENSION
CHATTANOOGA, TN

BY PALEY STUDIOS LTD
1677 LYELL AVE, SUITE A
ROCHESTER, NY 14606
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585-482-8130

DWN: JR APRIL 18, 2017
REVISED A APRIL 24, 2017
REVISED B DECEMBER 27, 2017
SHEET 3 OF 4



SECTION 5 - TYPICAL 1/4" DIA. ANCHOR BOLT

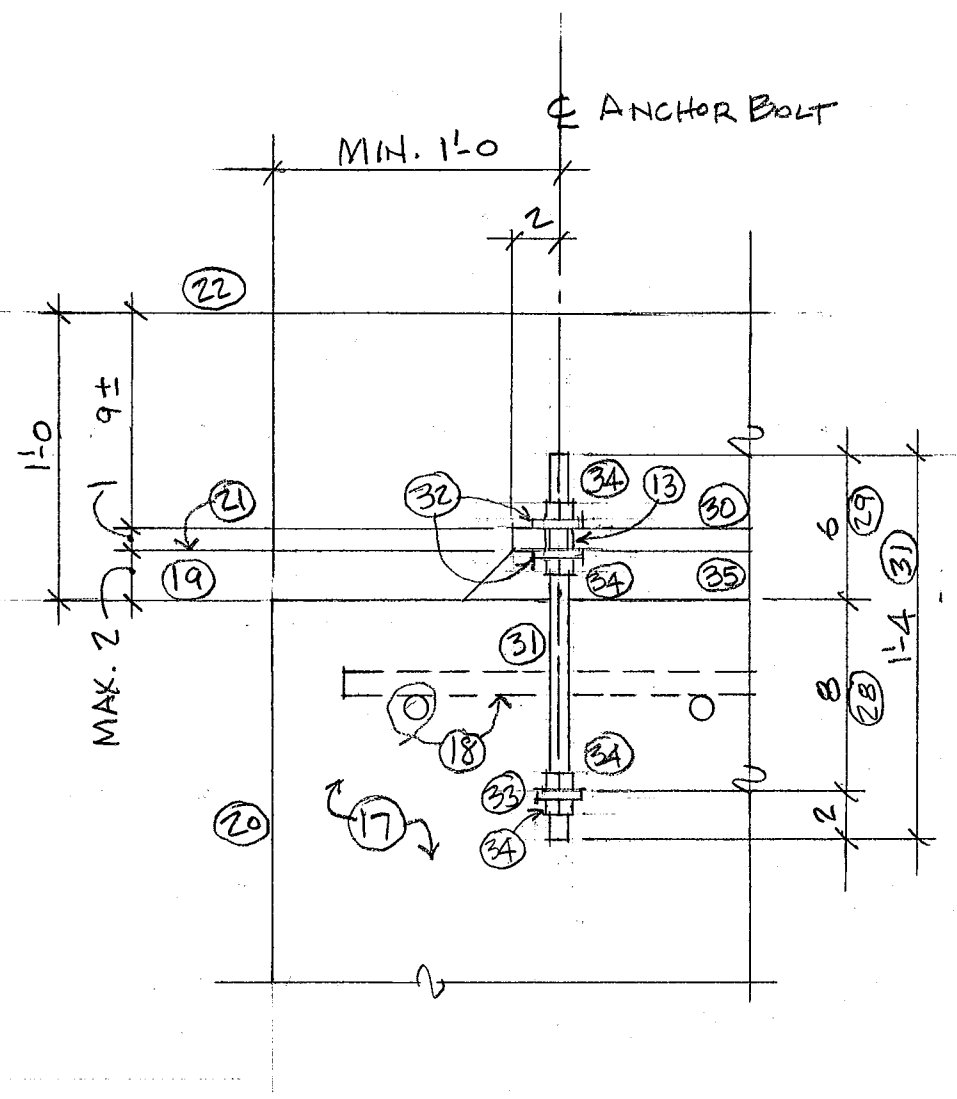
1/2" = 1'-0"

GENERAL STRUCTURAL NOTES

1. DESIGN AND CONSTRUCTION SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, 2012 EDITION.
2. VERIFY NUMBER, SIZE AND LOCATION OF ANCHOR BOLTS, AND SIZE, THICKNESS, ELEVATION AND LOCATION OF BASE PLATES BEFORE BEGINNING CONSTRUCTION.
3. WIND SHEAR AND MOMENT ARE CALCULATED IN ACCORDANCE WITH ASCE/SEI T-10.
 - RISK CATEGORY I.
 - DESIGN WIND SPEED 105 mph.

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SECTION 6 - TYPICAL 3/4" DIA. ANCHOR BOLT

1/2" = 1'-0"

MATERIAL NOTES

1. THREADED ROD ANCHOR BOLTS AND HEX NUTS - ASTM F1554, GRADE 36 GALVANIZED STEEL.
2. PLATE WASHERS AND ANCHOR PLATES - ASTM A588, $F_y = 50$ ksi.
3. NON-SHRINK GROUT - "HI-FLOW" AS MANUFACTURED BY THE EUCLID CHEMICAL COMPANY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

JENSEN/BRY ENGINEERING, PLLC
1653 EAST MAIN ST
ROCHESTER, NY 14609
585-482-8130

NOTES TO DRAWINGS (CONTINUED)

17. CAST-IN-PLACE CONCRETE FOUNDATION WITH A 28 DAY CONCRETE COMPRESSIVE STRENGTH OF 3000 psi.
18. SUPPLEMENTARY REINFORCEMENT AS DEFINED IN APPENDIX D OF ACI 318-11.
19. TOP OF FOUNDATION.
20. EDGE OF FOUNDATION.
21. BOTTOM OF BASE PLATE.
22. FINISHED GRADE.
23. 1/4" BASE PLATE.
24. 1/4" DIA. ANCHOR BOLT.
25. 3 1/2 x 3 1/2 x 1/2 PLATE WASHER.
26. 3 1/2 x 3 1/2 x 1/2 ANCHOR PLATE.
27. 1/4 HEX NUT.
28. EFFECTIVE EMBEDMENT.
29. PROJECTION.
30. 1" BASE PLATE.
31. 3/4" DIA. ANCHOR BOLT.
32. 2 x 2 x 1/4 PLATE WASHER.
33. 2 x 2 x 1/4 ANCHOR PLATE.
34. 3/4 HEX NUT.
35. NON-SHRINK GROUT.

DWN: JR APRIL 24, 2017

SHEET 4 OF 4