



POTRERO GATEWAY

PUBLIC ARTWORK
SAN FRANCISCO, CA 94103

PROJECT NOTES

- Where the terms "approval equal", "equal to," or other general qualifying terms are used in these notes, it shall be understood that reference is made to the ruling and judgment of the Lead Artist.
- The general contractor shall verify all dimensions and job conditions and shall report to the Lead Artist and Structural Engineer any discrepancies or omissions which would interfere with satisfactory completion of the project.
- Unless otherwise noted, all dimensions shown are from centerline to centerline, centerline to face of the wall, or face of wall to face of wall.
- Electrical, mechanical, plumbing, and structural drawings are supplementary to the Lead Artist drawings. Mechanical and electrical fixtures, fittings, outlets, etc. when shown on the Lead Artist drawings are for location information only.
- It shall be the responsibility of each contractor to check with the Lead Artist drawings before the installation of their work. Any discrepancy between the Lead Artist and consulting engineer's drawings shall be brought to Lead Artist's attention.
- Any work installed in conflict with the Lead Artist drawing shall be corrected by the contractor at his expense and no expense to the owner.
- The construction notes and/ or drawings are supplied to illustrate the design and general type of construction desired and are intended to imply the finest quality of construction, material and workmanship throughout. All errors, omissions, and clarifications must be brought to the attention of the Lead Artist and Structural Engineer.
- The general contractor shall maintain a current and complete set of construction drawings on site during all phases of construction for the use of trades.
- The general contractor shall notify the Lead Artist and Structural Engineer of any discrepancies between the drawings, these notes, and field conditions before commencing any work and request clarification.
- The location of the utilities shown on these plans are based on field observation and/or record drawings. The information shown is not necessarily complete and the location of the utilities shown in approximate. The contractor will verify the existence of all utilities in advance of conducting construction operations that could damage these utilities.
- In the areas where proposed construction may conflict with existing utilities, the contractor will take all necessary precautions to avoid damage to the utilities.
- Stated amounts are indicative and may be approximate, and not exact amount. Determining amounts is the responsibility of the contractor.
- In the technical description are generally known products. The contractor must take account of auxiliary equipment, finishes and neat connections.
- The contractor must provide samples of all image-defining materials.
- All steel structure that comes into view is to be held to high aesthetic requirements. All carbon steel structure that comes into view is to be galvanized and painted.
- All wiring and installation should be in accordance with National Electric Code (NEC) and NFPA 70.
- The illustrated project was designed to comply with all requirements of the Americans with Disability Act ("ADA") and other Federal, State and Local guidelines including but not limited to the Public Rights of Way Accessibility Guidelines ("PROWAG"). If the project is located in the state of California, the California Building Code (CBC).
- Contractors should be aware that published values for dimension and slope are for finished construction, no tolerance is permitted below minimum or above maximum values. Contractors must set tolerances to ensure constructions which comply with regulations. If contractors observe designs or site conditions that will not comply with the aforementioned rules and regulations it is their responsibility to notify the owner and designer immediately.
- FUTUREFORMS® retains all rights in the design(s) under the Copyright Act of 1976, 17 U.S.C. §101 et seq., as the sole author of the Artwork for the duration of the copyright. FUTUREFORMS sketches, concepts, schematic designs, technical and fabrication details remain the sole property of FUTUREFORMS, and can only be executed in final form by FUTUREFORMS. Any use of material included herein should clearly credit FUTUREFORMS.

SYMBOL LEGEND

- | | |
|--|---------------------------------|
| | NORTH ARROW |
| | DETAIL CALL OUT |
| | ELEVATION OR SECTIONAL CALL OUT |
| | CENTER LINE |
| | ELEVATION TARGET |
| | REVISION SYMBOL |

PROJECT INFORMATION

DESCRIPTION:
FABRICATION AND INSTALLATION OF PUBLIC ART CONSISTING OF
(4) INDIVIDUAL STEEL SCULPTURES.

PROJECT CONTACTS:
San Francisco Arts Commission (SFAC)
Aleta Lee, M.A.
Project Manager, Public Art Program
email: aleta.lee@sfgov.org

San Francisco Department of Public Works (SFDPW)
Trent Tieger, PE, PMP
Project Manager
e-mail: trent.tieger@sfdpw.org

Community Contacts:
Potrero Gateway Park Steering Committee (Jean Bogiages, Michael Kerbow, Sheldon Trimble)

Maintenance:
Green Benefits District (Julie Christensen)

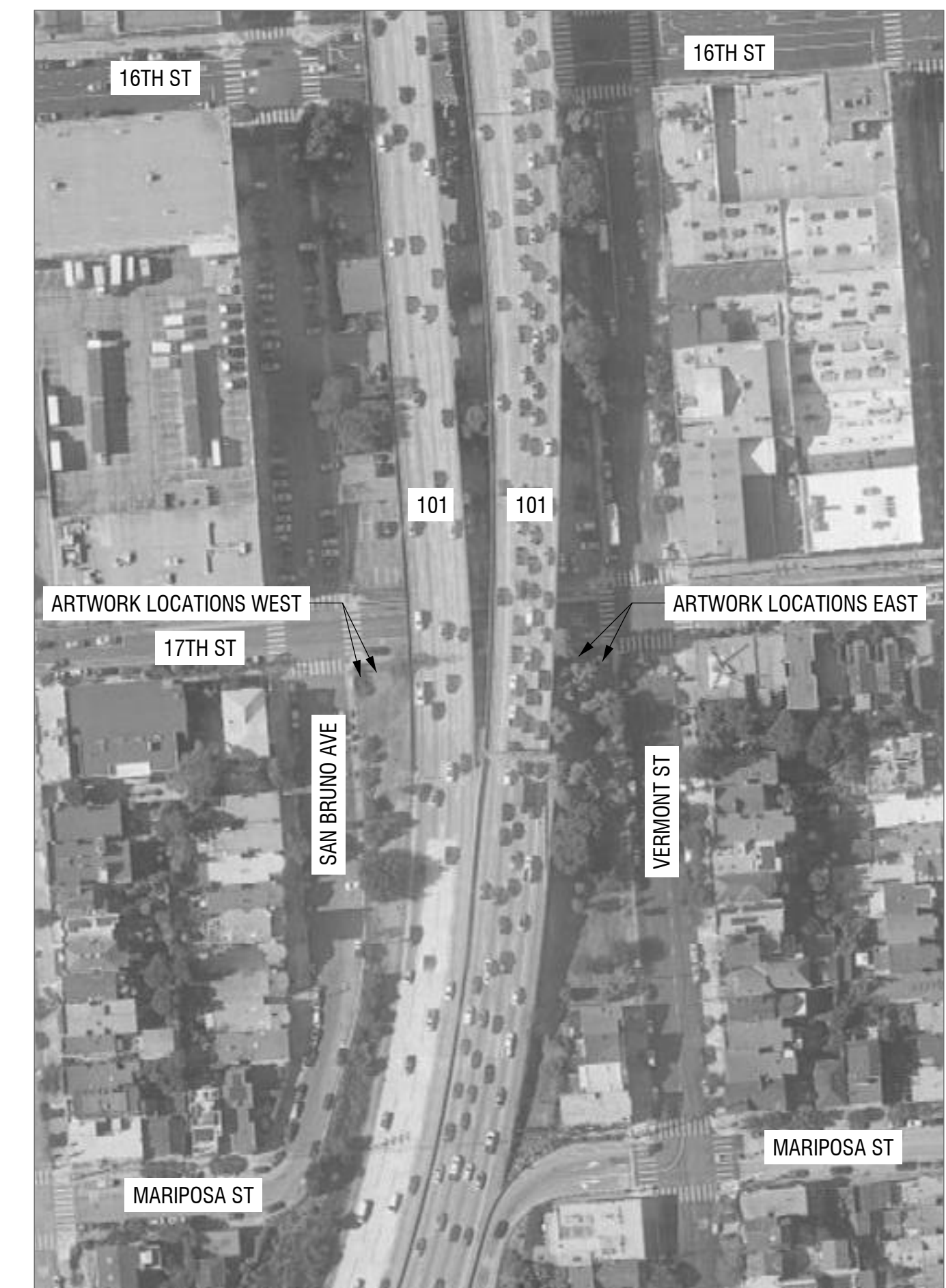
Installation Team:
Atthowe Fine Arts Services

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9 TOTAL SHEETS



1 VICINITY MAP
NTS



ARTIST:

FUTUREFORMS

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SAN FRANCISCO, CA 94107
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jason@futureforms.us
(415) 255-4879

STRUCTURAL ENGINEER:

TUAN and ROBINSON
STRUCTURAL ENGINEERS, INC.
444 SPEAR ST, STE 101
SAN FRANCISCO, CA 94105
(415) 957-2480

REVISIONS

- | |
|---|
| 6/10/22 - CD SET |
| 1 7/20/22 - CD SET REVISED TO REMOVE HIGHLY REFLECTIVE FINISHES FROM ARTWORKS |

PROJECT NAME

POTRERO GATEWAY
17th ST, BTW VERMONT ST
AND SAN BRUNO AVE
SAN FRANCISCO, CA 94103

SHEET TITLE

PROJECT INFORMATION

DRAWING SCALE

AS NOTED ON DRAWINGS
SHEET SIZE: 24 x 36

DATE ISSUED

7/20/22

ART-01

ARTIST:

FUTUREFORMS

2325 3RD STREET, SUITE 229,
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ART-10

17TH STREET

SAN BRUNO AVE

ARTWORK PLAQUE LOCATION

ARTWORK 2

ARTWORK 1

1 SITE PLAN - 17TH AND SAN BRUNO AVE
SCALE: 1/4"=1'

NORTH
1

17TH STREET

VERMONT STREET

ARTWORK 4

ARTWORK 3

DIMENSIONS ARE FOR COORDINATION PURPOSES ONLY.
ALL CONCRETE BY OTHERS.
SEE LANDSCAPE DRAWINGS.

2 SITEPLAN - 17TH AND VERMONT ST
SCALE: 1/4"=1'

NORTH
1

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TOP PLANS

DRAWING SCALE

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DATE ISSUED

7/20/22

ART-11

DIMENSIONS ARE FOR COORDINATION PURPOSES ONLY.
ALL CONCRETE BY OTHERS.

Ø24" CONCRETE PLINTH BY OTHERS.
SEE LANDSCAPE DRAWINGS.

ARTWORK ABOVE

1 TOP PLAN - ARTWORK 1

SCALE: 1"=1'

NORTH

DIMENSIONS ARE FOR COORDINATION PURPOSES ONLY.
ALL CONCRETE BY OTHERS.

Ø24" CONCRETE PLINTH BY OTHERS.
SEE LANDSCAPE DRAWINGS.

ARTWORK ABOVE

2 TOP PLAN - ARTWORK 2

SCALE: 1"=1'

NORTH

DIMENSIONS ARE FOR COORDINATION PURPOSES ONLY.
ALL CONCRETE BY OTHERS.

ARTWORK ABOVE

24" x 24" CONCRETE PLINTH BELOW.
FORMED AS PART OF ADJACENT WALL BY OTHERS.
SEE LANDSCAPE DRAWINGS.

3 TOP PLAN - ARTWORK 3

SCALE: 1"=1'

NORTH

DIMENSIONS ARE FOR COORDINATION PURPOSES ONLY.
ALL CONCRETE BY OTHERS.

ARTWORK ABOVE

48" x 24" CONCRETE PLINTH BELOW.
FORMED AS PART OF ADJACENT WALL BY OTHERS.
SEE LANDSCAPE DRAWINGS.

4 TOP PLAN - ARTWORK 4

SCALE: 1"=1'

NORTH

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SHEET TITLE

ELEVATIONS

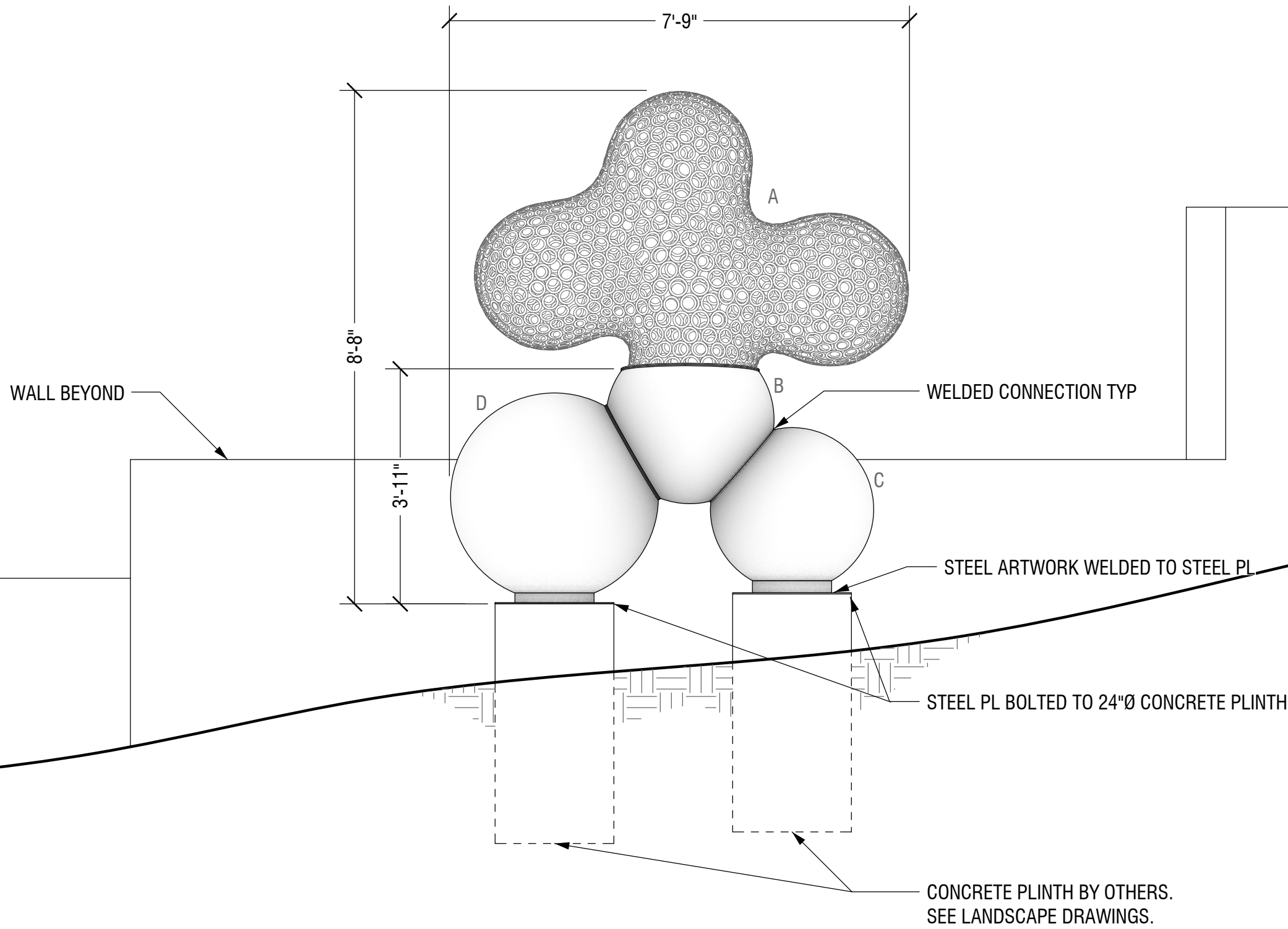
DRAWING SCALE

AS NOTED ON DRAWINGS
SHEET SIZE: 24 x 36

DATE ISSUED

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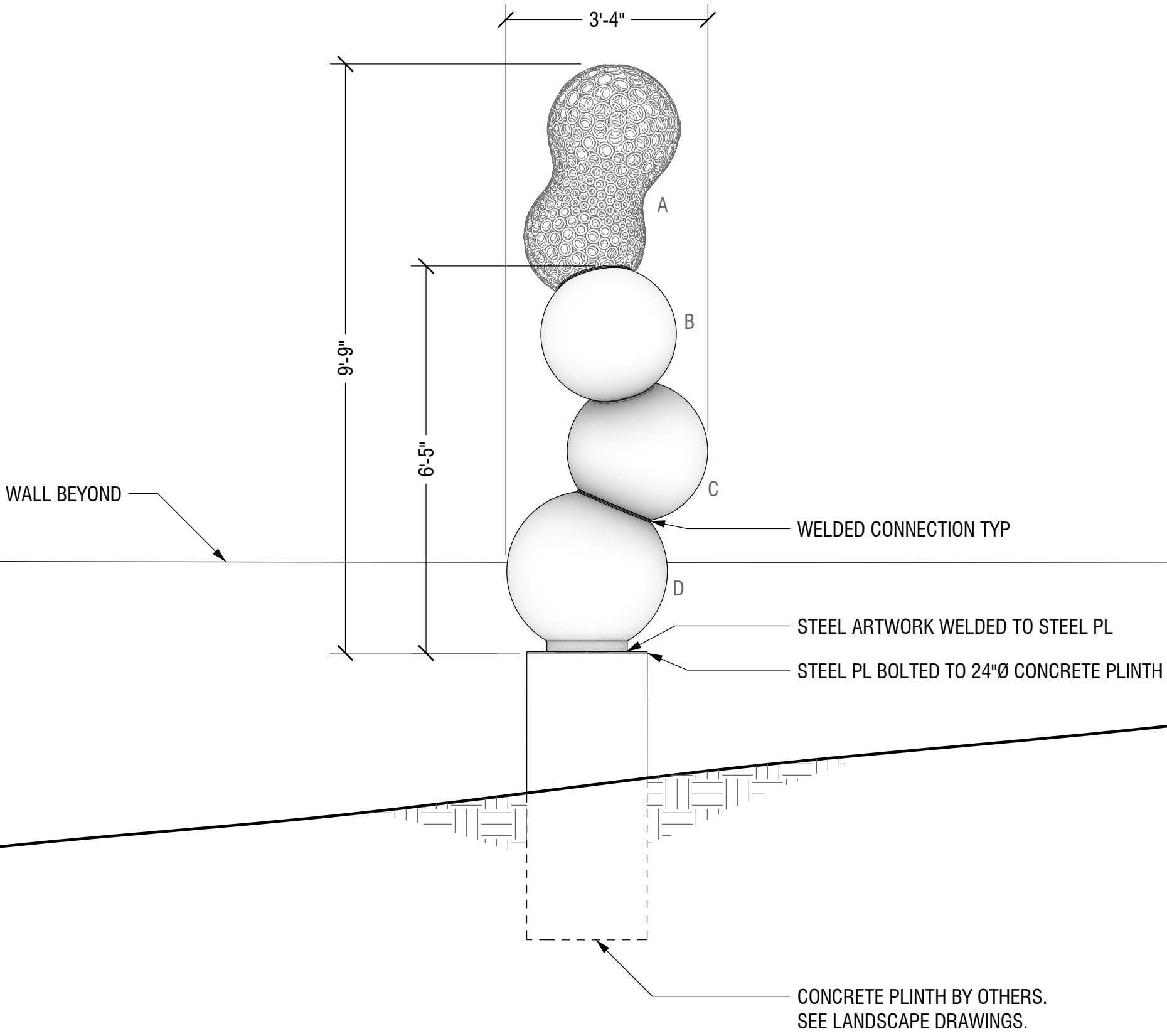
ART-20



1

ELEVATION - ARTWORK 1

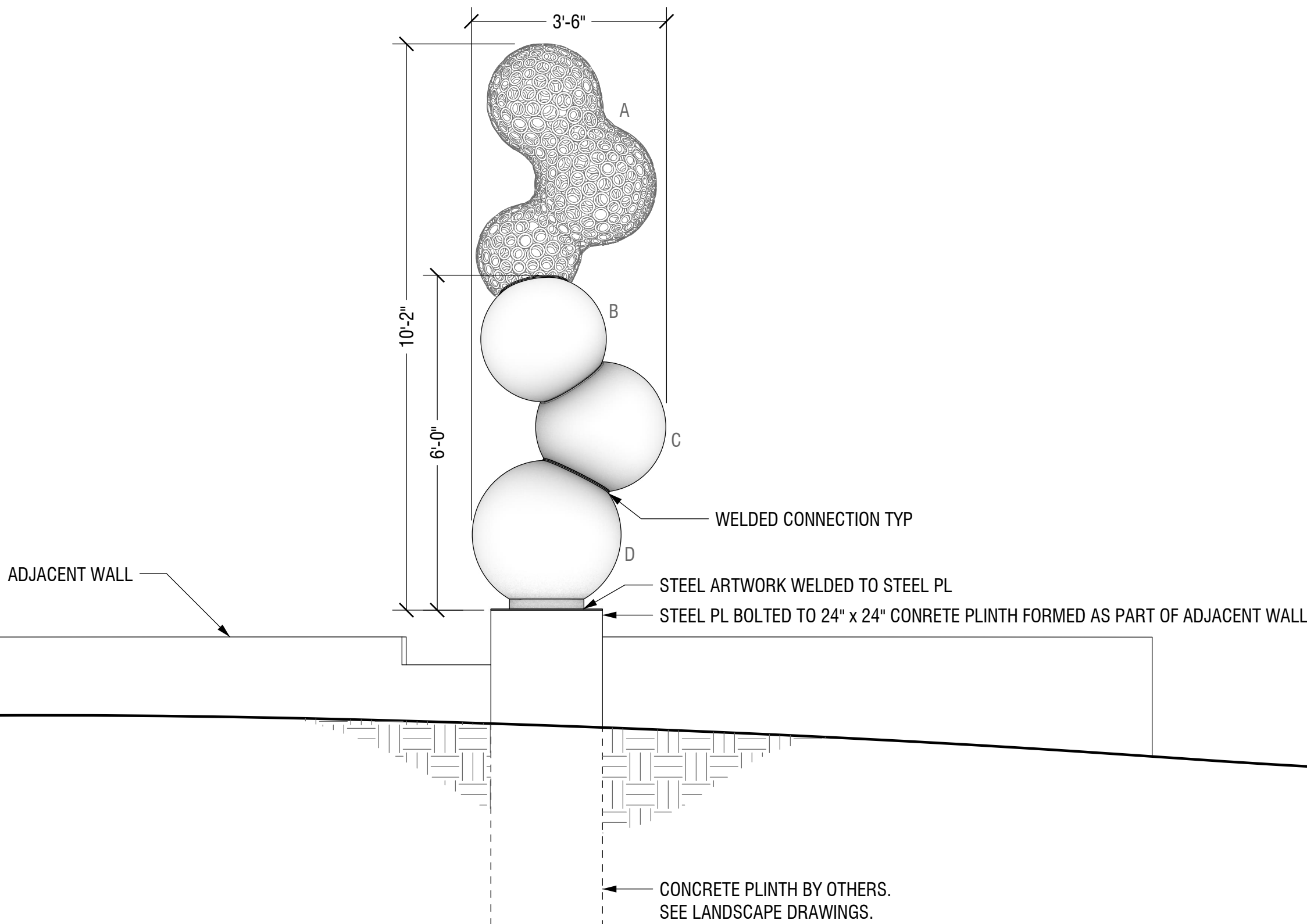
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2

ELEVATION - ARTWORK 2

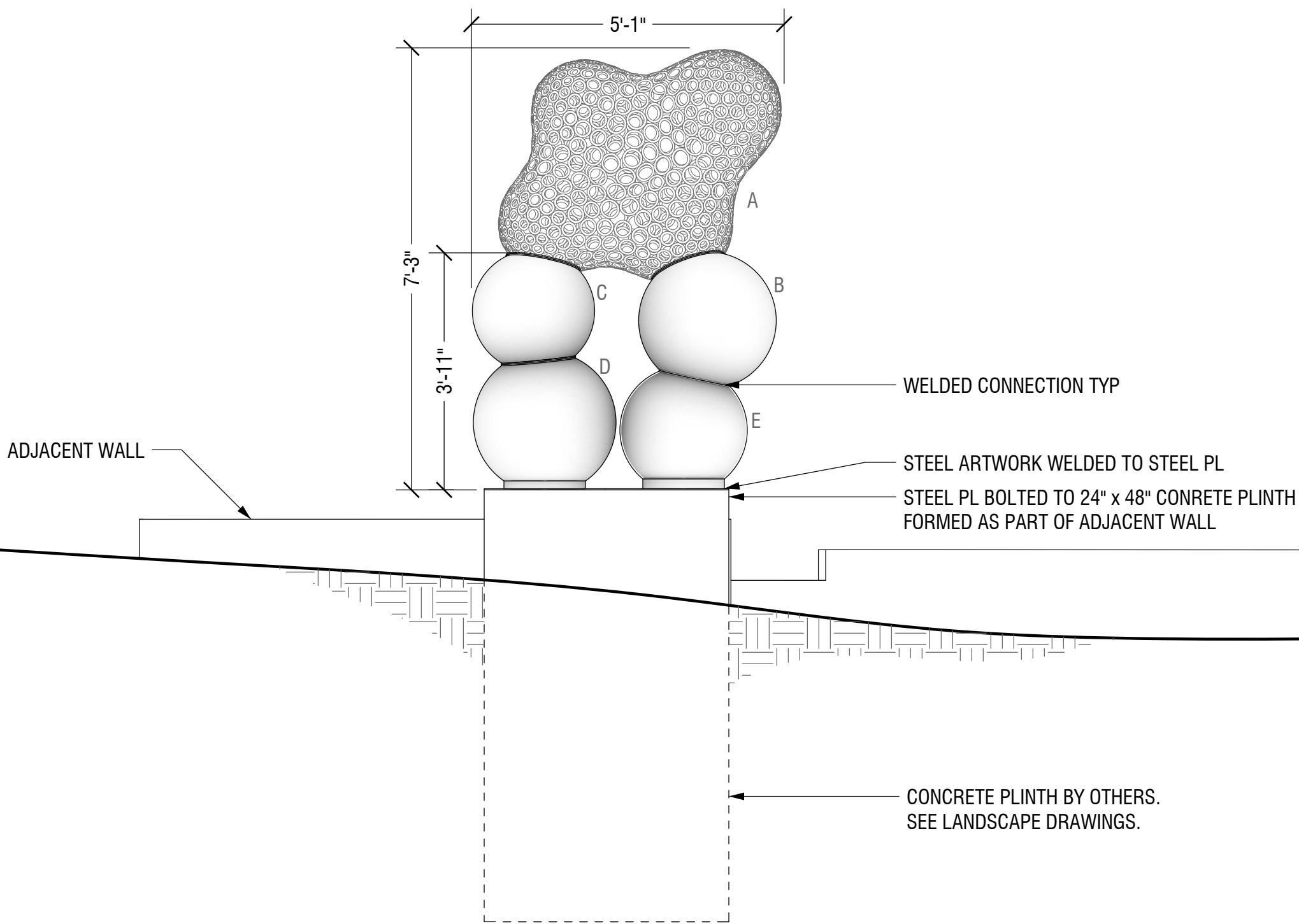
SCALE: 1/2"=1'



3

ELEVATION - ARTWORK 3

SCALE: 1/2"=1'



4

ELEVATION - ARTWORK 4

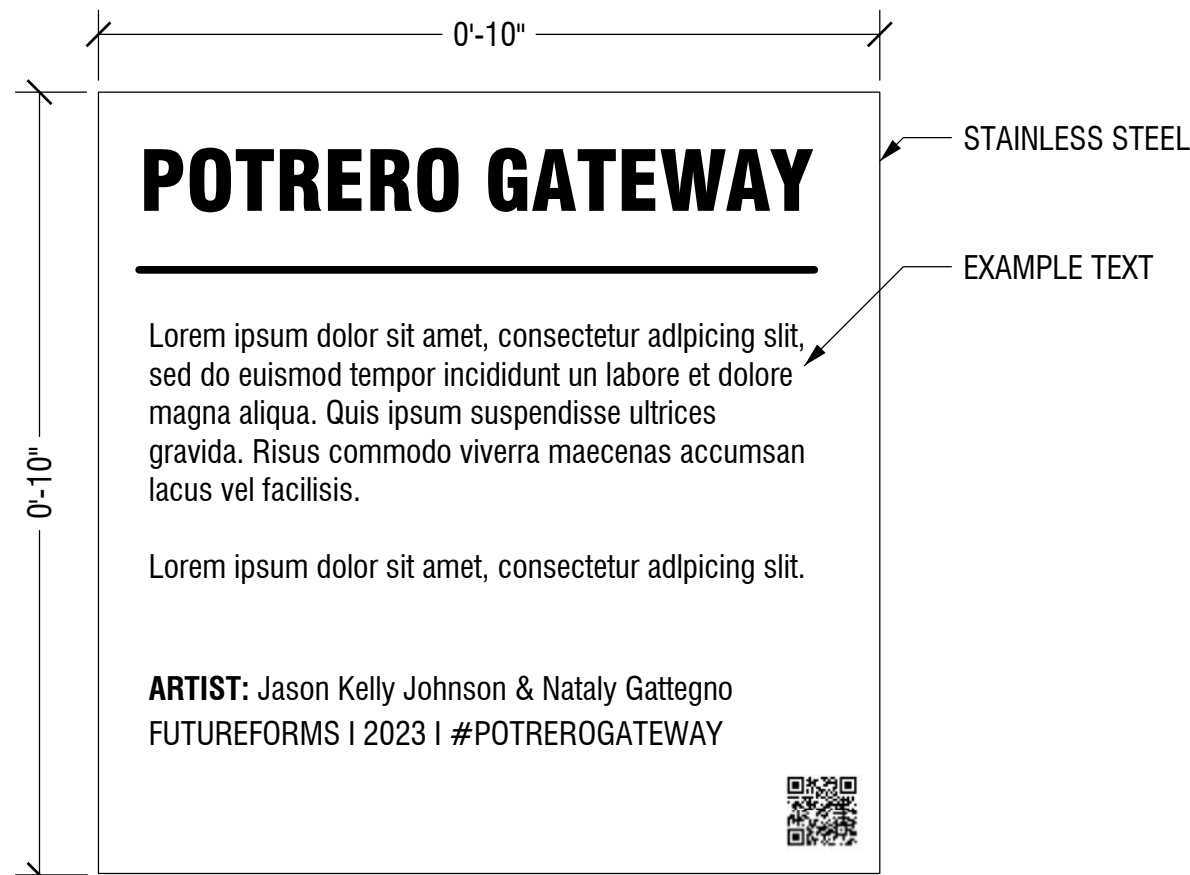
SCALE: 1/2"=1'

ARTWORK ID	PART ID	MATERIAL	FINISH	SURFACE AREA
1	A	18GA 316 SS	SATIN FINISH	33 SQFT
1	B	14GA 316 SS	SATIN FINISH	15 SQFT
1	C	14GA 316 SS	PAINTED (SEE DETAIL 4)	24 SQFT
1	D	14GA 316 SS	PAINTED (SEE DETAIL 4)	39 SQFT
2	A	18GA 316 SS	SATIN FINISH	12 SQFT
2	B	14GA 316 SS	SATIN FINISH	14 SQFT
2	C	14GA 316 SS	SATIN FINISH	15 SQFT
2	D	14GA 316 SS	PAINTED (SEE DETAIL 4)	20 SQFT
3	A	18GA 316 SS	SATIN FINISH	14 SQFT
3	B	14GA 316 SS	SATIN FINISH	13 SQFT
3	C	14GA 316 SS	PAINTED (SEE DETAIL 4)	14 SQFT
3	D	14GA 316 SS	PAINTED (SEE DETAIL 4)	20 SQFT
4	A	18GA 316 SS	SATIN FINISH	18 SQFT
4	B	14GA 316 SS	SATIN FINISH	13 SQFT
4	C	14GA 316 SS	SATIN FINISH	10 SQFT
4	D	14GA 316 SS	PAINTED (SEE DETAIL 4)	14 SQFT
4	E	14GA 316 SS	SATIN FINISH	10 SQFT

1

MATERIAL AND FINISH SCHEDULE

NTS

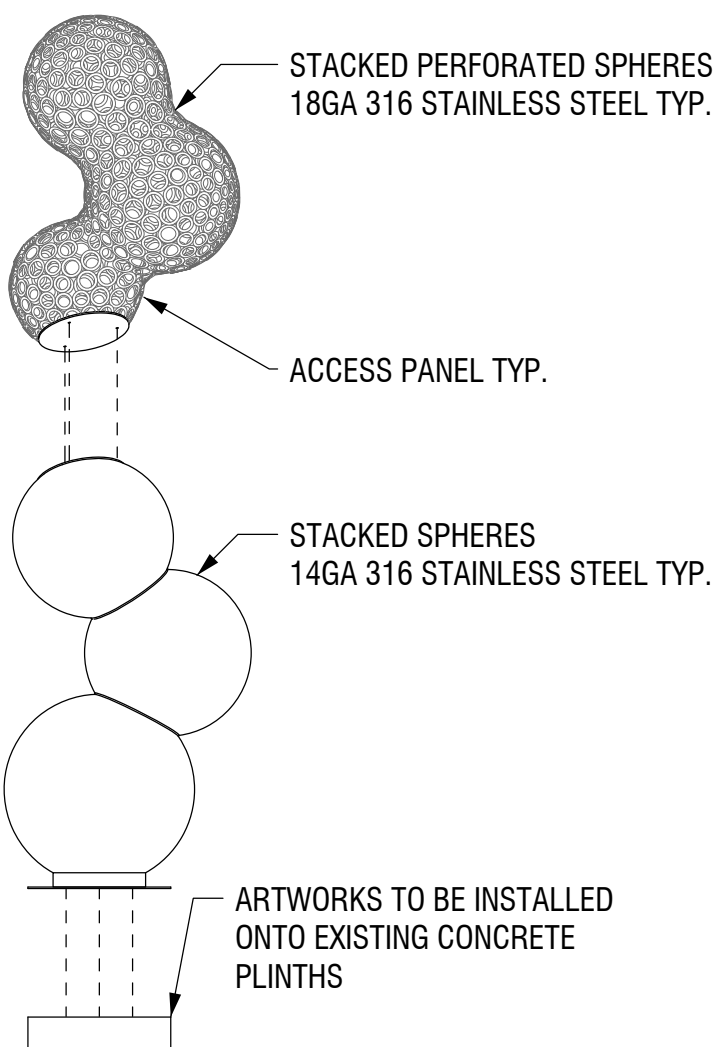


SEE ART-10 FOR PLAQUE LOCATIONS

2

ARTWORK PLAQUE

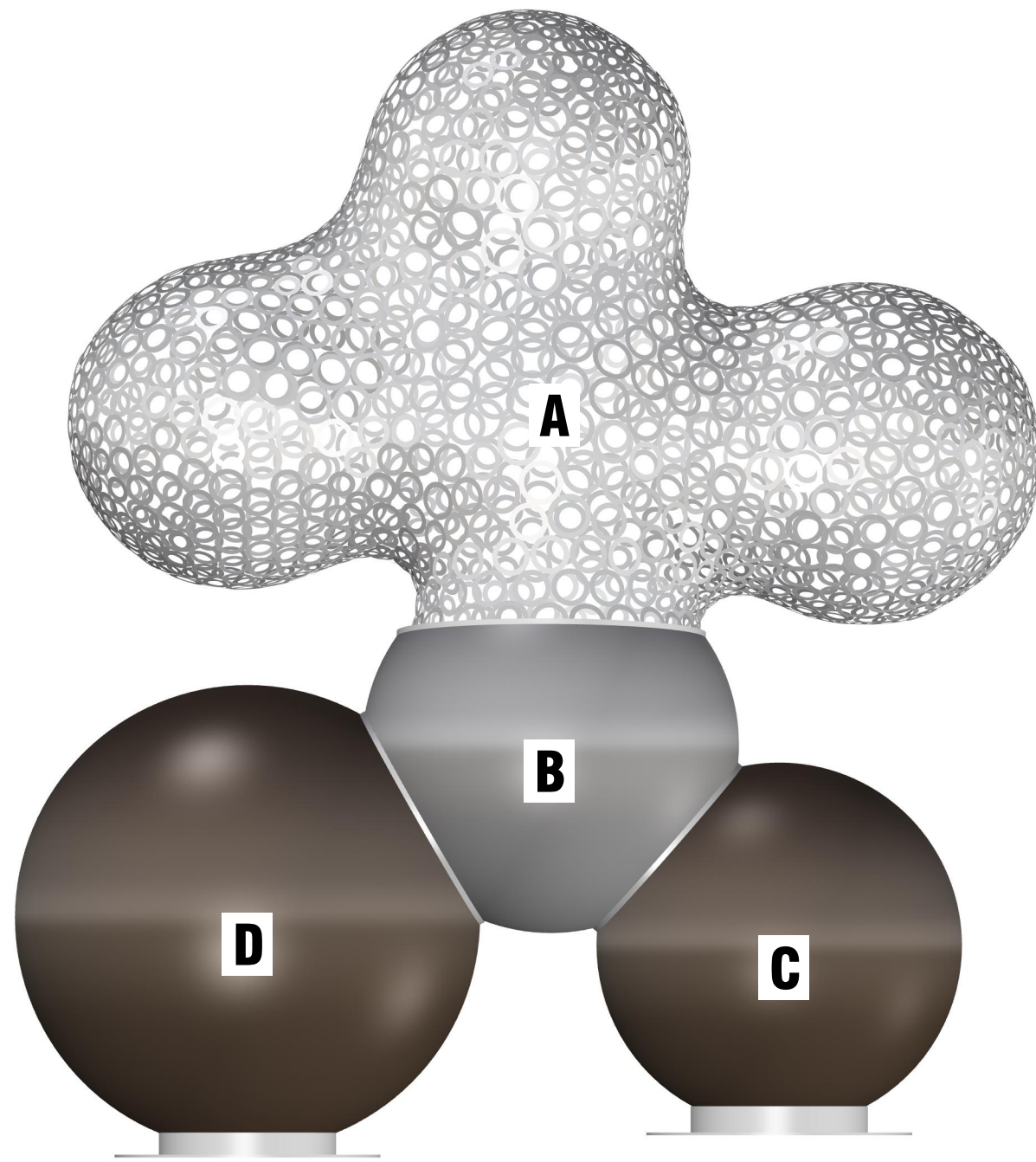
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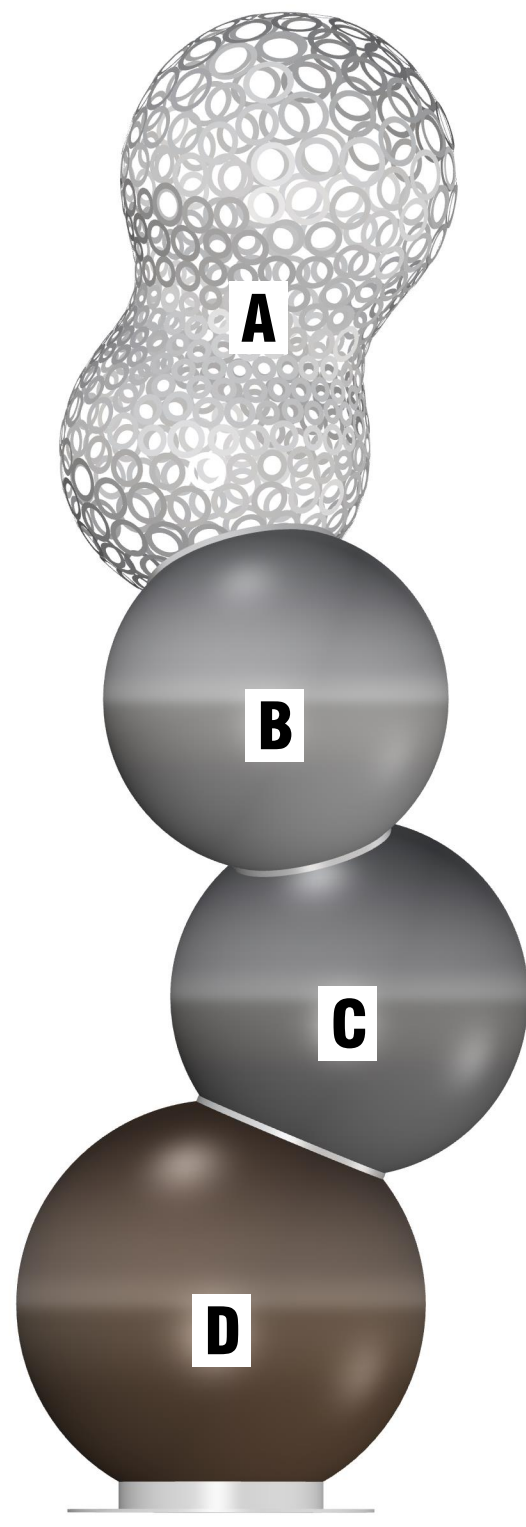
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EXPLODED ELEVATION - ARTWORK 3

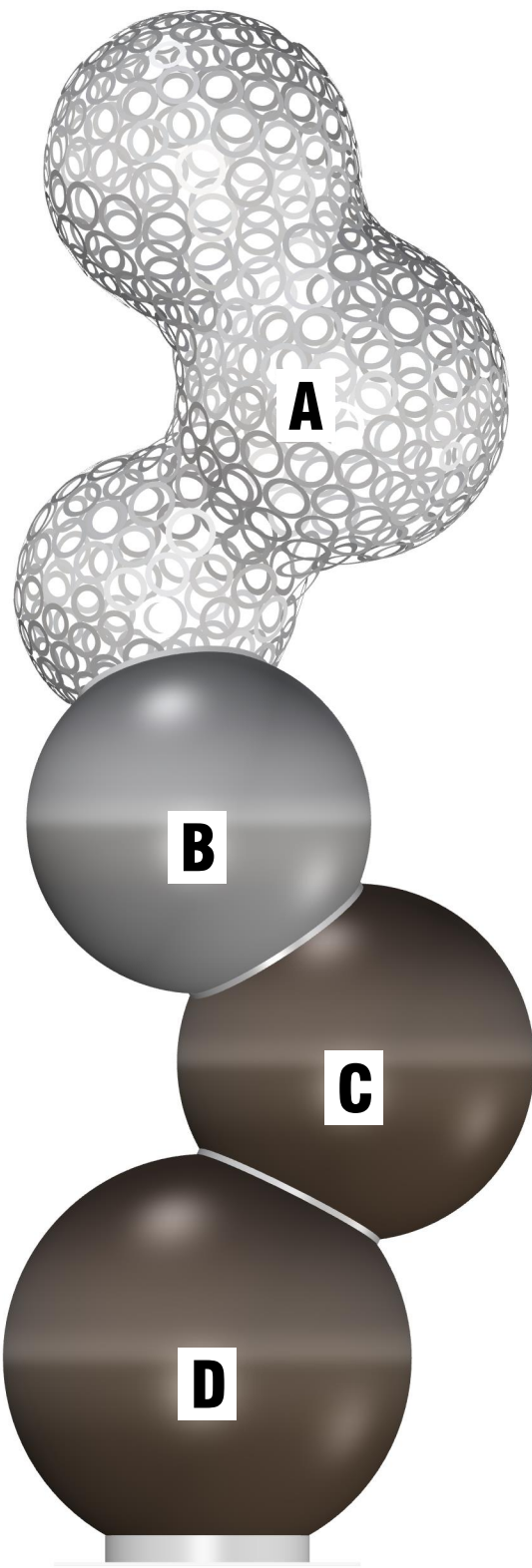
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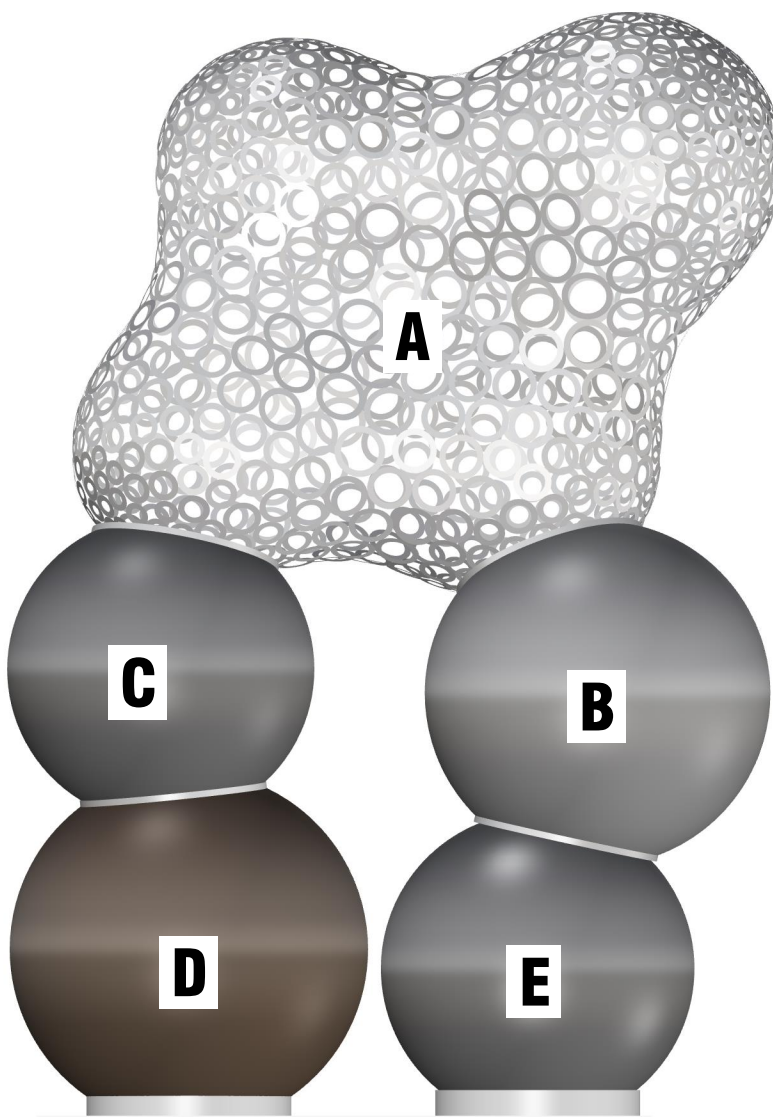
ARTWORK 1



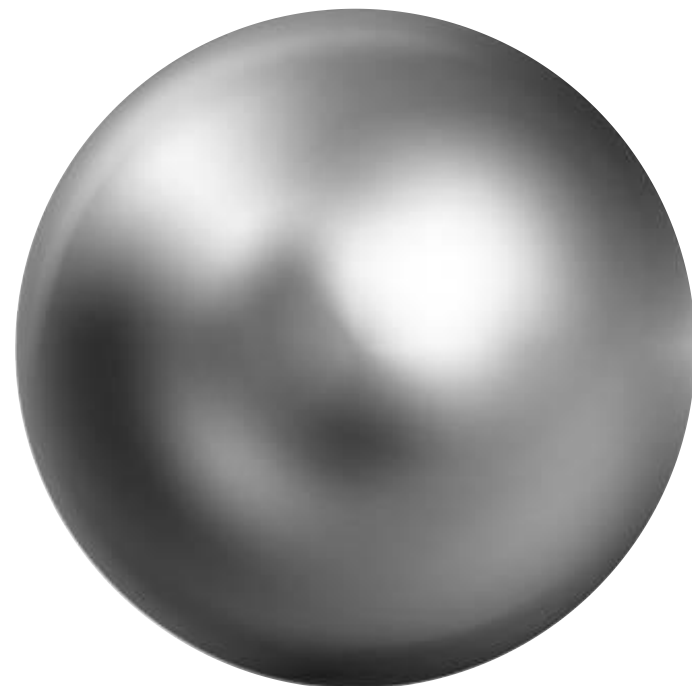
ARTWORK 2



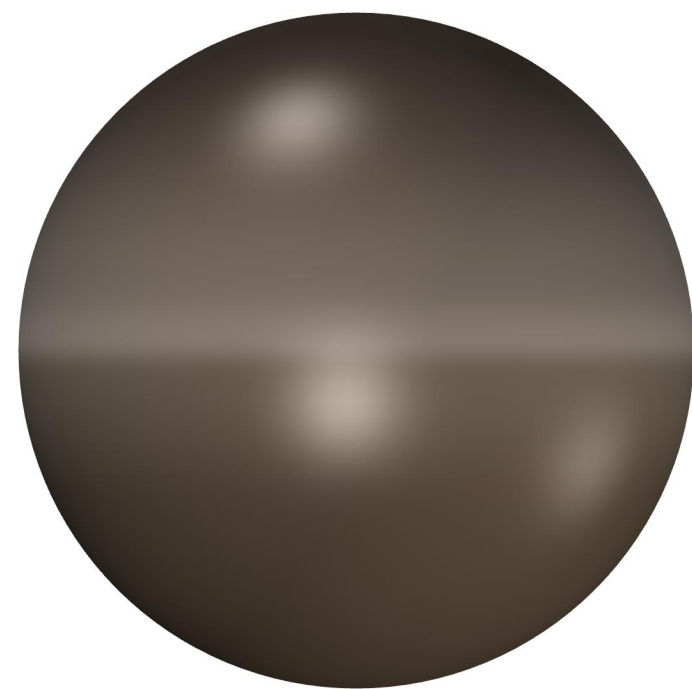
ARTWORK 3



ARTWORK 4



SATIN FINISHED STAINLESS STEEL



STAINLESS STEEL WITH "BROWN BRONZE"
FLUOROPOLYMER BASED METALLIC COATING

4

ARTWORK MATERIALS

NTS

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SHEET TITLE

TYPICAL MATERIALS AND ASSEMBLY

DRAWING SCALE

AS NOTED ON DRAWINGS
SHEET SIZE: 24 x 36

DATE ISSUED

7/20/22

ART-30

PLOT DATE: 2022 June 10, Friday ~ 8:47:15 AM
FILE NAME: L:\Projects\2022\022-003.00 Potrero Gateway Sculpture Foundation & Anchorage\dwg\SS-1.dwg

24" x 36" SHEET SIZE. IF SHEET IS SMALLER, THEN DRAWING HAS BEEN REDUCED.

- I. GENERAL
1. APPLICABLE CODE:
CALIFORNIA BUILDING CODE, 2019 EDITION (CBC).
2. THESE GENERAL NOTES APPLY EXCEPT WHERE SPECIFICALLY SHOWN BY NOTES ON DRAWINGS AND/OR DETAILS.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES.
4. THE CONTRACTOR SHALL COMPARE STRUCTURAL DRAWINGS WITH DRAWINGS OF OTHER DISCIPLINES WITH REFERENCE TO MATERIALS, LAYOUT, DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK, AND ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR DIRECTION.
5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AS SHOWN ON DRAWINGS. THE CONTRACTOR SHALL REPORT ANY VARIATION THAT WILL MODIFY THE STRUCTURAL SYSTEM OR ANY STRUCTURAL ELEMENT TO THE STRUCTURAL ENGINEER.
6. DETAILS AND NOTES SHOWN IN THIS SET OF DRAWINGS AND TITLED "TYPICAL" ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED. TYPICAL DETAILS REPRESENT THE GENERAL INTENT FOR ALL DETAILING NOT NOTED OR SHOWN IN SPECIFIC DETAILS OR ON PLANS.
7. THE STRUCTURAL DRAWINGS INDICATE PRINCIPAL CONSTRUCTION DETAILS BUT DO NOT ILLUSTRATE EVERY CONDITION. DETAILS OF CONSTRUCTION NOT SPECIFICALLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITIONS.
8. DO NOT SCALE STRUCTURAL DRAWINGS, USE WRITTEN DIMENSIONS. IF DIMENSIONS ARE OMITTED OR NOT CLEAR, CONTACT THE ARCHITECT.
9. DIMENSION LINES ON STRUCTURAL DRAWINGS ARE TO CENTER LINES OF ELEMENTS, UNLESS OTHERWISE NOTED.
10. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
11. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING, GUYING OR OTHER TEMPORARY SUPPORT TO ENSURE CORRECT AND ACCURATE STRUCTURE GEOMETRY.
12. THE CONTRACTOR SHALL BE EXPECTED TO BE THOROUGHLY FAMILIAR WITH THE BUILDING SITE CONDITIONS, GRADES, DRAWINGS AND SPECIFICATIONS, MATERIAL DELIVERY FACILITIES AND ALL OTHER MATTERS AND CONDITIONS WHICH MAY AFFECT THE OPERATION AND COMPLETION OF WORK. THE CONTRACTOR SHALL ASSUME ALL RISKS CONCERNED WITH THE AFOREMENTIONED SITUATIONS, ACTIVITIES AND/OR OPERATIONS.
13. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO ENSURE THAT ALL PROPERTY IS PROTECTED DURING CONSTRUCTION. ANY DAMAGED OR CHANGED CONDITIONS SHALL BE REPAIRED AND RESTORED TO THE PRE-CONSTRUCTION CONDITIONS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AT HIS/HER OWN EXPENSE.
14. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL THE PERSONNEL AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- II. CONCRETE SCREW ANCHORS

1. SIMPSON "TITEN HD" (ICC ESR-2713) HEAVY DUTY CONCRETE SCREW ANCHORS SHALL BE USED FOR ANCHORS EMBEDDED IN CONCRETE. INSTALLATION PER MANUFACTURERS SPECIFICATIONS. ALTERNATIVE ANCHORING SYSTEMS MAY BE USED ONLY WITH PRIOR WRITTEN APPROVAL BY STRUCTURAL ENGINEER.
2. TEST THE FOLLOWING PERCENT OF INSTALLED ANCHORS:
A. 20% OF ANCHORS UNLESS OTHERWISE NOTED ON DRAWINGS
3. TORQUE TEST LOAD VALUES
- | BOLT DIAMETER | MINIMUM EMBEDMENT | TORQUE LOAD |
|---------------|-------------------|-------------|
| 3/8" | 2 1/2" | 50 FT-LBS. |
| 1/2" | 3 1/4" | 65 FT-LBS. |
| 5/8" | 4" | 100 FT-LBS. |
| 3/4" | 5 1/2" | 150 FT-LBS. |
4. IF ANY ANCHOR SHOULD FAIL, IT SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

III. STRUCTURAL STEEL

1. MATERIALS:
ALL OTHER ROLLED SHAPES, PLATES & BARS: ASTM A36
ANCHOR BOLTS (RODS): ASTM F1554, GRADE 36 OR ASTM A36
2. FABRICATION AND CONSTRUCTION SHALL CONFORM TO THE STEEL CONSTRUCTION MANUAL, SPECIFICATIONS AND CODES, 15TH EDITION, BY AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
3. WELDING:
A. ALL SHOP AND FIELD WELDING SHALL BE IN ACCORDANCE WITH STRUCTURAL STEEL WELDING CODE, AWS D1.1.
B. 70 KSI ELECTRODES SHALL BE USED AT ALL WELDED STEEL CONNECTIONS.
C. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS.
D. A WELDING PROCEDURE SPECIFICATION (WPS) SHALL BE DEVELOPED WITH THE INFORMATION REQUIRED BY AWS D1.1. THE WPS SPECIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW, AND SHALL ALSO BE PROVIDED TO THE OWNER, ARCHITECT AND BUILDING OFFICIAL. THE WPS SHALL INCLUDE A LIST OF THE POSITION, ELECTRODE, STICKOUT, VOLTAGE AND AMPERAGE (WITH ACCEPTABLE LIMITS), BEAD SIZE, WELD SEQUENCE, STRESS RELIEVING AND OTHER PERTINENT DATA.
E. ALL WELDS SHALL BE STARTED AND ENDED ON RUNOFF TABS WHERE PRACTICAL. ALL RUNOFF TABS SHALL BE REMOVED.
F. WELD DAMS SHALL NOT BE ALLOWED PER AWS D1.1.
G. OWNER SHALL RETAIN A TESTING LABORATORY TO INSPECT AND TEST WELDS (SHOP AND FIELD) AS FOLLOWS:
(i) PROVIDE SPECIAL INSPECTION FOR ALL WELDS.
(ii) MEASURE 25% OF FILLET WELDS AND CHECK FINAL PASS OF 25% OF MULTI-PASS FILLET WELDS AND PARTIAL PENETRATION WELDS BY MAGNETIC PARTICLE TESTING.
(iii) TEST ALL COMPLETE PENETRATION WELDS ULTRASONICALLY.
H. ALL DEFECTIVE WELDS, AS ESTABLISHED FROM INSPECTION AND TESTING SHALL BE GROUND OUT, REPAIRED AND RETESTED AT THE CONTRACTOR'S EXPENSE.
4. BOLT HOLES IN STEEL SHALL BE 1/16" LARGER THAN BOLTS, U.O.N. BOLT HOLES IN COLUMN BASE PLATES MAY BE OVERSIZED PER AISC REQUIREMENTS. ALL BOLT HOLES SHALL BE DRILLED OR PUNCHED. BURNING OF BOLT HOLES IS NOT PERMITTED.
5. BEFORE FABRICATION, SHOP DRAWINGS FOR ALL STRUCTURAL STEEL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
- IV. HAZARDOUS MATERIALS ON SITE
1. TUAN AND ROBINSON, STRUCTURAL ENGINEERS ASSUMES NO RESPONSIBILITY FOR THE MANAGEMENT OF HAZARDOUS MATERIALS THAT MAY BE ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT PERSONNEL WITHIN THE WORK AREA ARE PROTECTED FROM EXPOSURE TO HAZARDOUS MATERIALS. IF MATERIALS ARE DISCOVERED THAT MAY BE HAZARDOUS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND CEASE WORK UNTIL CONDITIONS CAN BE MAINTAINED IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

V. SPECIAL INSPECTION

1. THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PERFORM SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1704 OF THE 2019 CBC AS A MINIMUM. THE SPECIAL INSPECTOR SHALL BE FROM AN APPROVED SPECIAL INSPECTION AGENCY. THE FOLLOWING ITEMS OF WORK REQUIRE SPECIAL INSPECTION:
A. BOLTS INSTALLED IN CONCRETE
B. STRUCTURAL WELDING
2. THE TESTING AND INSPECTION AGENCY SHALL COMPILE TESTING AND INSPECTION REPORTS DETAILING THE ITEMS OF WORK WHICH HAVE BEEN INSPECTED. A COPY OF THE REPORTS SHALL BE SENT TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER AND CONTRACTOR FOR REVIEW.
- VI. SPECIAL INSPECTION PROGRAM
1. BOLTS INSTALLED IN CONCRETE (CONTINUOUS INSPECTION DURING PLACEMENT): SPECIAL INSPECTOR SHALL PERFORM SPECIAL INSPECTION PRIOR TO AND DURING THE PLACEMENT OF CONCRETE AROUND BOLTS.
2. WELDING (PERIODIC INSPECTION): SPECIAL INSPECTION OF WELDING SHALL BE IN ACCORDANCE WITH THE 2019 CBC, SECTION 1704, AWS D1.1 AND NOTE III.3 ON THIS SHEET. INSPECTOR SHALL PERFORM OR OBSERVE THE FOLLOWING:
A. PERFORM VERIFICATION OF AVAILABILITY OF WPS AND MANUFACTURER CONSUMABLE CERTIFICATES.
B. OBSERVE MATERIALS AND WELDER IDENTIFICATIONS.
C. OBSERVE FIT-UP OF FILLET AND GROOVE WELDS, AND CONFIGURATION AND FINISH OF ACCESS HOLES.
D. OBSERVE USE OF QUALIFIED WELDERS.
E. OBSERVE CONTROL AND HANDLING OF CONSUMABLES, NO WELDING OVER CRACKED TACK WELDS, ENVIRONMENTAL CONDITIONS, WPS IS FOLLOWED AND WELDING TECHNIQUES OF WELDERS.
F. OBSERVE WELDS ARE CLEANED.
G. PERFORM VERIFICATION THAT WELDS MEET VISUAL ACCEPTANCE CRITERIA, NOTE OF ARC STRIKES, VERIFICATION OF BACKING BARS REMOVAL, VERIFICATION OF WELD TAB REMOVAL, VERIFICATION OF REPAIR ACTIVITIES.
H. PERFORM DOCUMENTATION OF ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER.
3. INSPECTION AND TESTING OF ANCHORS AND DOWELS (PERIODIC INSPECTION):
A. SPECIAL INSPECTOR SHALL OBSERVE THAT DRILLED HOLES ARE FREE OF DUST AND DEBRIS PRIOR TO PLACEMENT OF NON-SHRINK GROUT OR EPOXY OF DRILLED ANCHORS AND DOWELS OR EXPANSION ANCHORS.
B. ANCHORS SHALL BE PULL TESTED AS SPECIFIED IN NOTES.
C. TESTING APPARATUS SHALL BE SUCH THAT IT TESTS NOT ONLY THE ANCHOR IN DIRECT TENSION, BUT ALSO THE ADJACENT CONCRETE FOR CONE FAILURE IF ANY ANCHOR SHOULD FAIL, IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. THE IMMEDIATELY ADJACENT ANCHORS SHALL ALSO BE TESTED AT THE CONTRACTOR'S EXPENSE.
D. TEST EQUIPMENT SHALL BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS: ANCHORS:
(i) HYDRAULIC RAM METHOD: THE ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD.
(ii) TESTING SHALL OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.

City and County of San Francisco
Department of Building Inspection



London Breed, Mayor
Patrick O'Riordan, Interim Director

NOTICE

SPECIAL INSPECTION REQUIREMENTS

Please note that the special inspections shown on the approved plan and checked on the special inspection form issued with the building permit are required for this project. The employment of special inspectors is the direct responsibility of the owner or the engineer/architect of record acting as the owner's representative.

These special inspections are required *in addition* to the called inspections performed by the Department of Building Inspection. The name of special inspector shall be furnished to the district building inspector prior to start of work for which special inspection is required.

For questions regarding the details or extent of required inspection or tests, please call the Plan Checker assigned to this project or **415-558-6132**. If there are any field problems regarding special inspection, please call your District Building Inspector or 415-558-6570.

Before final building inspection is scheduled, documentation of special inspection compliance must be submitted to and approved by the Special Inspection Services staff. To avoid delays in this process, the project owner should request final compliance reports from the architect or engineer of record and/or special inspection agency soon after the conclusion of work requiring special inspection. ***The permit will not be finalized without compliance with the special inspection requirements.***

STRUCTURAL OBSERVATION REQUIREMENTS

Structural observation shall be provided as required per Section 1704.5. **The building permit will not be finalized without the compliance of the structural observation requirements.**

Special Inspection Services Contact Information

- Telephone:** (415) 558-6132
- Fax:** (415) 558-6474
- Email:** dbi.specialinspections@sfgov.org
- In Person:** 3rd floor at 1660 Mission Street

Note: We are moving towards a 'paperless' mode of operation. All special inspection submittals, including final letters, may be emailed (preferred) or faxed. We will also be shifting to a paperless fax receipt mode.

Special Inspection Services
1660 Mission Street - San Francisco CA 94103
Office (415) 558-6132 - FAX (415) 558-6474 - www.sfdbi.org

SPECIAL INSPECTION AND STRUCTURAL OBSERVATION

A COPY OF THIS DOCUMENT SHALL BE KEPT WITH THE APPROVED STRUCTURAL DRAWING SET

JOB ADDRESS 17TH STREET BETWEEN VERMONT STREET AND SAN BRUNO AVENUE APPLICATION NO. _____ ADDENDUM NO. _____

OWNER NAME _____ OWNER PHONE NO. (_____)

Employment of Special Inspection is the direct responsibility of the OWNER, or the engineer/architect of record acting as the owner's representative. Special inspection shall be one of those as prescribed in Sec. 1704. Name of special inspector shall be furnished to DBI District Inspector prior to start of the work for which the Special Inspection is required. Structural observation shall be performed as provided by Section 1704.6. A preconstruction conference is recommended for owner/builder or designer/builder projects, complex and highrise projects, and for projects utilizing new processes or materials.

In accordance with Chapter 17 (SFBC), Special Inspection and/or testing is required for the following work:

- | | | |
|---|--|---|
| 1. <input type="checkbox"/> Concrete (Placement & sampling) | 6. <input type="checkbox"/> High-strength bolting | 18. Bolts installed in existing concrete or masonry: |
| 2. <input checked="" type="checkbox"/> Bolts installed in concrete | 7. <input type="checkbox"/> Structural masonry | <input type="checkbox"/> Concrete |
| 3. <input type="checkbox"/> Special moment-resisting concrete frame | 8. <input type="checkbox"/> Reinforced gypsum concrete | <input type="checkbox"/> Masonry |
| 4. <input type="checkbox"/> Reinforcing steel and prestressing tendons | 9. <input type="checkbox"/> Insulating concrete fill | 19. <input type="checkbox"/> Shear walls and floor systems used as shear diaphragms |
| 5. Structural welding: | 10. <input type="checkbox"/> Spray-on fireproofing | 20. <input type="checkbox"/> Moldings |
| A. Periodic visual inspection | 11. <input type="checkbox"/> Piling, drilled piers and caissons | 21. Special cases: |
| <input checked="" type="checkbox"/> Single pass fillet welds 5/16" or smaller | 12. <input type="checkbox"/> Shotcrete | <input type="checkbox"/> Shoring |
| <input type="checkbox"/> Steel deck | 13. <input type="checkbox"/> Special grading, excavation and filling (Geo. Engineer) | <input type="checkbox"/> Underpinning: <input type="checkbox"/> Not affecting adjacent property |
| <input type="checkbox"/> Welded studs | 14. <input type="checkbox"/> Smoke-control system | <input type="checkbox"/> Affecting adjacent property: PA _____ |
| <input type="checkbox"/> Cold formed studs and joists | 15. <input type="checkbox"/> Demolition | <input type="checkbox"/> Others: _____ |
| <input type="checkbox"/> Stair and railing systems | 16. <input type="checkbox"/> Exterior Facing | 22. <input type="checkbox"/> Crane safety (Apply to the operation of tower cranes on highrise building) (Section 1705.21) |
| <input type="checkbox"/> Reinforcing Steel | 17. Retrofit of unreinforced masonry buildings: (Section 1705.21) | 23. <input type="checkbox"/> Others: "As recommended by professional of record" |
| B. Continuous visual inspection and NDT (Section 1704) | <input type="checkbox"/> Testing of mortar quality and shear tests | |
| <input type="checkbox"/> All other welding (NDT exception: Fillet weld) | <input type="checkbox"/> Inspection of repointing operations | |
| <input type="checkbox"/> Reinforcing steel; and <input type="checkbox"/> NDT required | <input type="checkbox"/> Installation inspection of new shear bolts | |
| <input type="checkbox"/> Moment-resisting frames | <input type="checkbox"/> Pre-installation inspection for embedded bolts | |
| <input type="checkbox"/> Others _____ | <input type="checkbox"/> Pull/torque test per SFBC Sec.1607C & 1615DC | |

24. **Structural observation per Sec. 1704.6 for the following:**
- | | | | |
|--|---|---------------------------------------|--|
| <input type="checkbox"/> Concrete construction | <input type="checkbox"/> Masonry construction | <input type="checkbox"/> Foundations | <input type="checkbox"/> Steel framing |
| <input type="checkbox"/> Other: _____ | | <input type="checkbox"/> Wood framing | |

25. Certification is required for: ☐ Glu-lam components

Prepared by: EUGENE TUAN, TUAN AND ROBINSON STRUCTURAL ENGINEERS Phone: (415) 957-2480 X 103
Engineer/Architect of Record

Required information:
FAX: (415) 957-2483 Email: ETUAN@TRSEINC.COM

Review by: _____ Phone: (_____)
DBI Engineer or Plan Checker

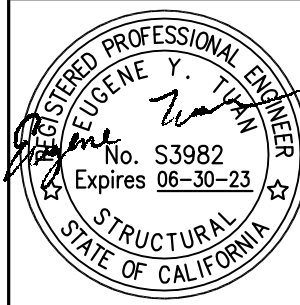
APPROVAL (Based on submitted reports.)

DATE DBI Engineer or Plan Checker / Special Inspection Services Staff

QUESTIONS ABOUT SPECIAL INSPECTION AND STRUCTURAL OBSERVATION SHOULD BE DIRECTED TO:
Special Inspection Services (415) 558-6132; or, dbi.specialinspections@sfgov.org ; or FAX (415) 558-6474

REVISIONS	BY:

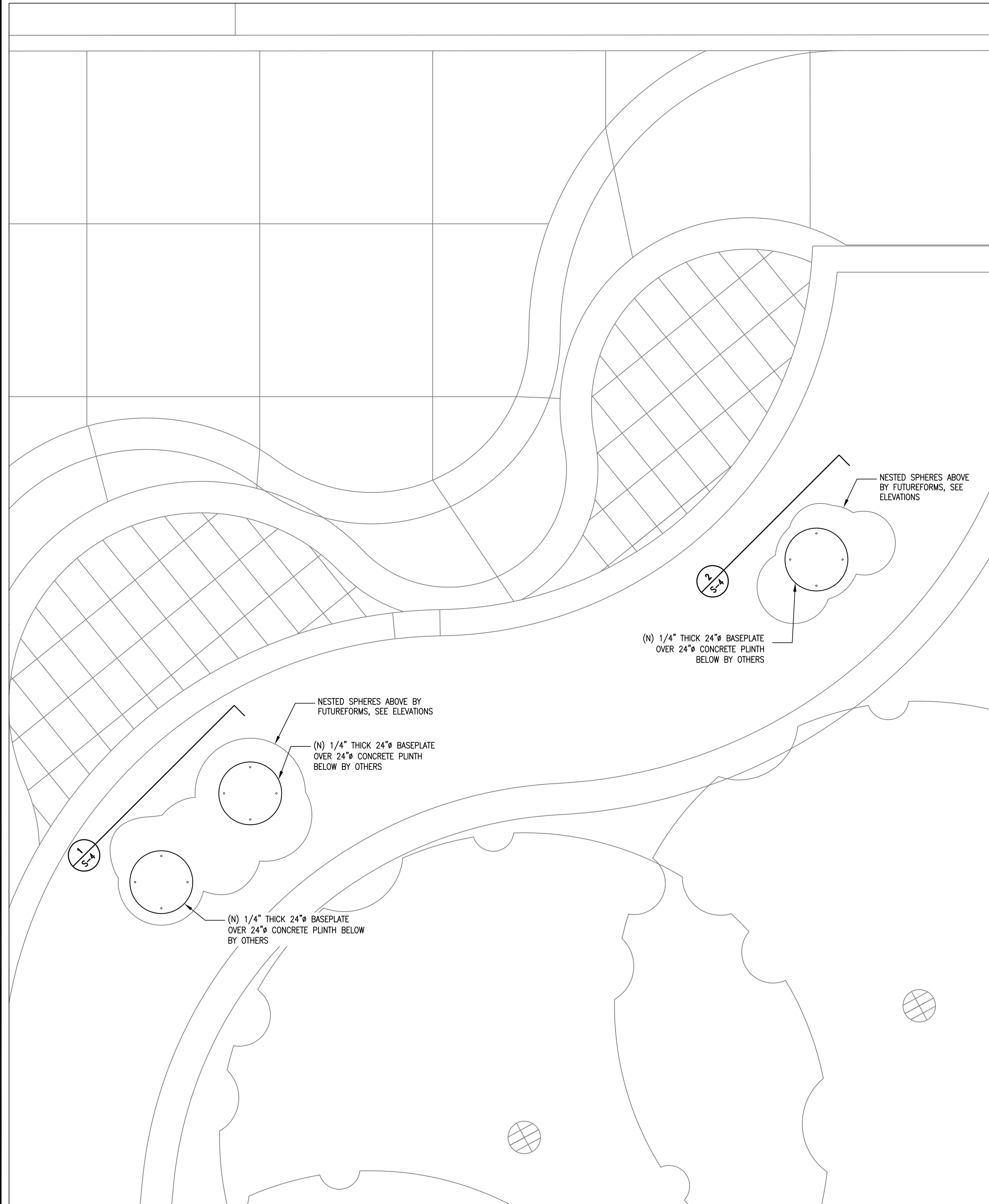
Tuan & Robinson Structural Engineers, Inc.
444 Spear Street, Suite 900
San Francisco, CA 94105
TEL 415 957 2480 FAX 415 957 2483
TRSE PROJECT NUMBER: 2022.003.00
This is the property of Tuan and Robinson Structural Engineers, Inc. and shall not be used, in whole or in part, for any other project without the written consent of Tuan and Robinson Structural Engineers, Inc.



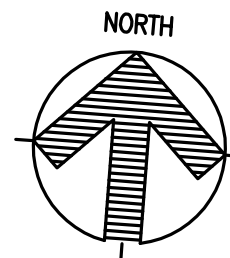
POTRERO GATEWAY ARTWORK
17TH STREET BETWEEN VERMONT STREET
AND SAN BRUNO AVENUE
SAN FRANCISCO, CA

GENERAL NOTES

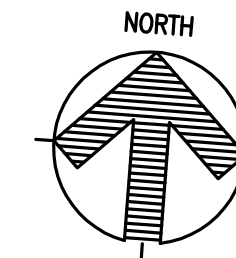
DATE 06/10/2022
SCALE NONE
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SHEET S-1
OF 4 SHEETS



2 ARTWORK BASEPLATE PLAN
17th & SAN BRUNO AVE. 1/2" = 1'-0"



1 ARTWORK BASEPLATE PLAN
17th & VERMONT ST. 1/2" = 1'-0"



PLOT DATE: 2022 June 10, Friday - 8:48:39 AM
FILE NAME: L:\Projects\2022-003.00 Potrero Gateway Sculpture Foundation & Anchorage\dwg\S-3.dwg

24" x 36" SHEET SIZE. IF SHEET IS SMALLER, THEN DRAWING HAS BEEN REDUCED

POTRERO GATEWAY ARTWORK BASEPLATE PLAN		POTRERO GATEWAY ARTWORK 17TH STREET BETWEEN VERMONT STREET AND SAN BRUNO AVENUE SAN FRANCISCO, CA						TS Tsai and Robinson Structural Engineers, Inc. 444 Spear Street, Suite 701 San Francisco, California 94105 TEL 415 957 2480 FAX 415 957 2483		REVISIONS		BY:	
DATE 06/10/2022		SCALE 1/2" = 1'-0"		DRAWN ET		CHECKED ET		SHEET S-3		OF 4 SHEETS		TRSE PROJECT NUMBER: 2022.003.00 This document, the plans and designs incorporated herein, is the instrument of Professional Service for the project described herein. It is to be used only for the project and site described herein and is not to be used for any other project without written consent of the engineer. © COPYRIGHT 2022	

Tuan & Robinson
Structural Engineers, Inc.
444 Spear Street, Suite 101
San Francisco, California 94105
TEL 415 957 2480 FAX 415 957 2483
PROJECT NUMBER: 2022.003.00

REGISTERED PROFESSIONAL ENGINEER
EUGENE Y. TSIN
No. S3982
Expires 06-30-23
STRUCTURAL
STATE OF CALIFORNIA

POTRERO GATEWAY ARTWORK
17TH STREET BETWEEN VERMONT STREET
AND SAN BRUNO AVENUE
SAN FRANCISCO, CA

POTRERO GATEWAY
ARTWORK ELEVATIONS

DATE 06/10/2022

SCALE
AS NOTED

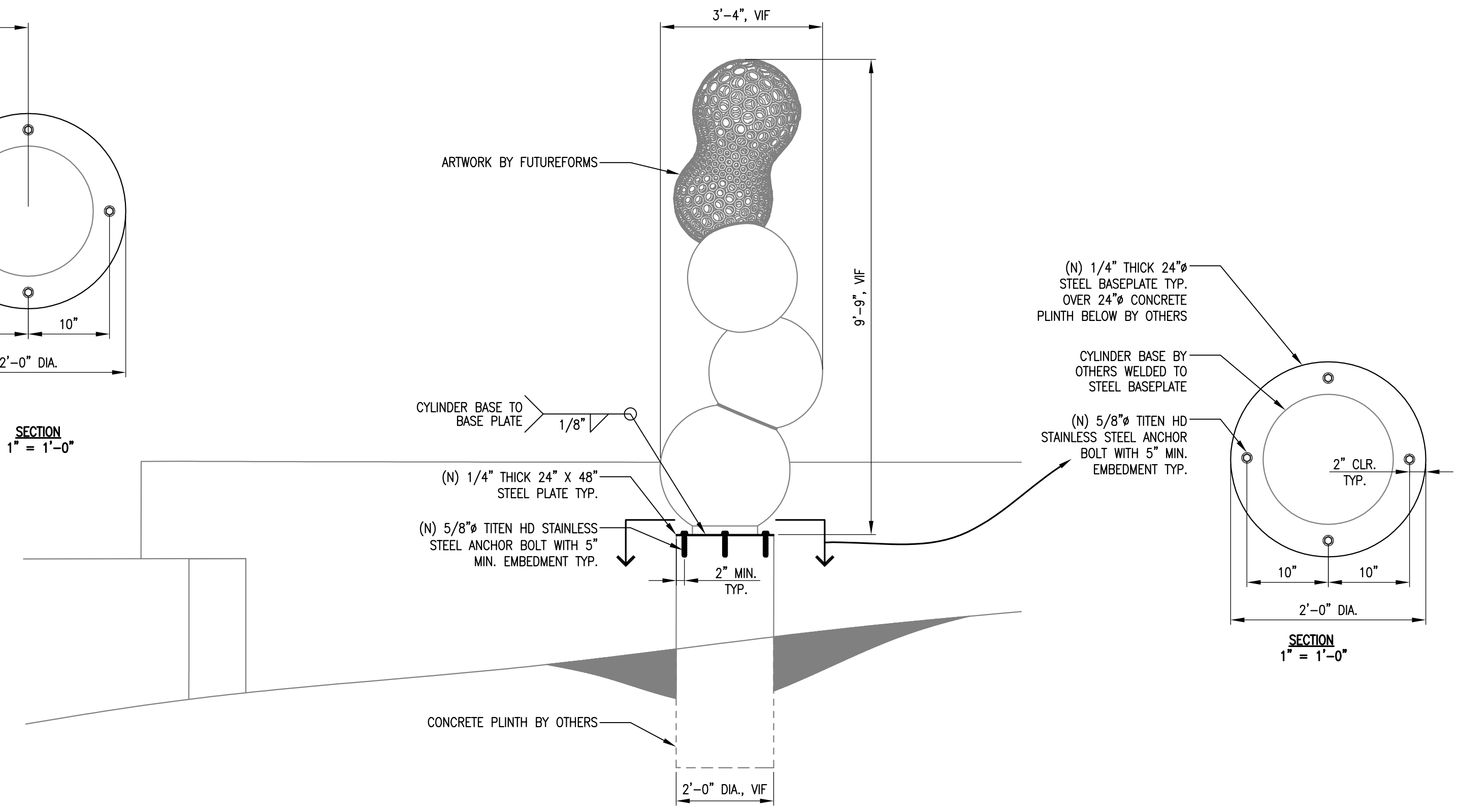
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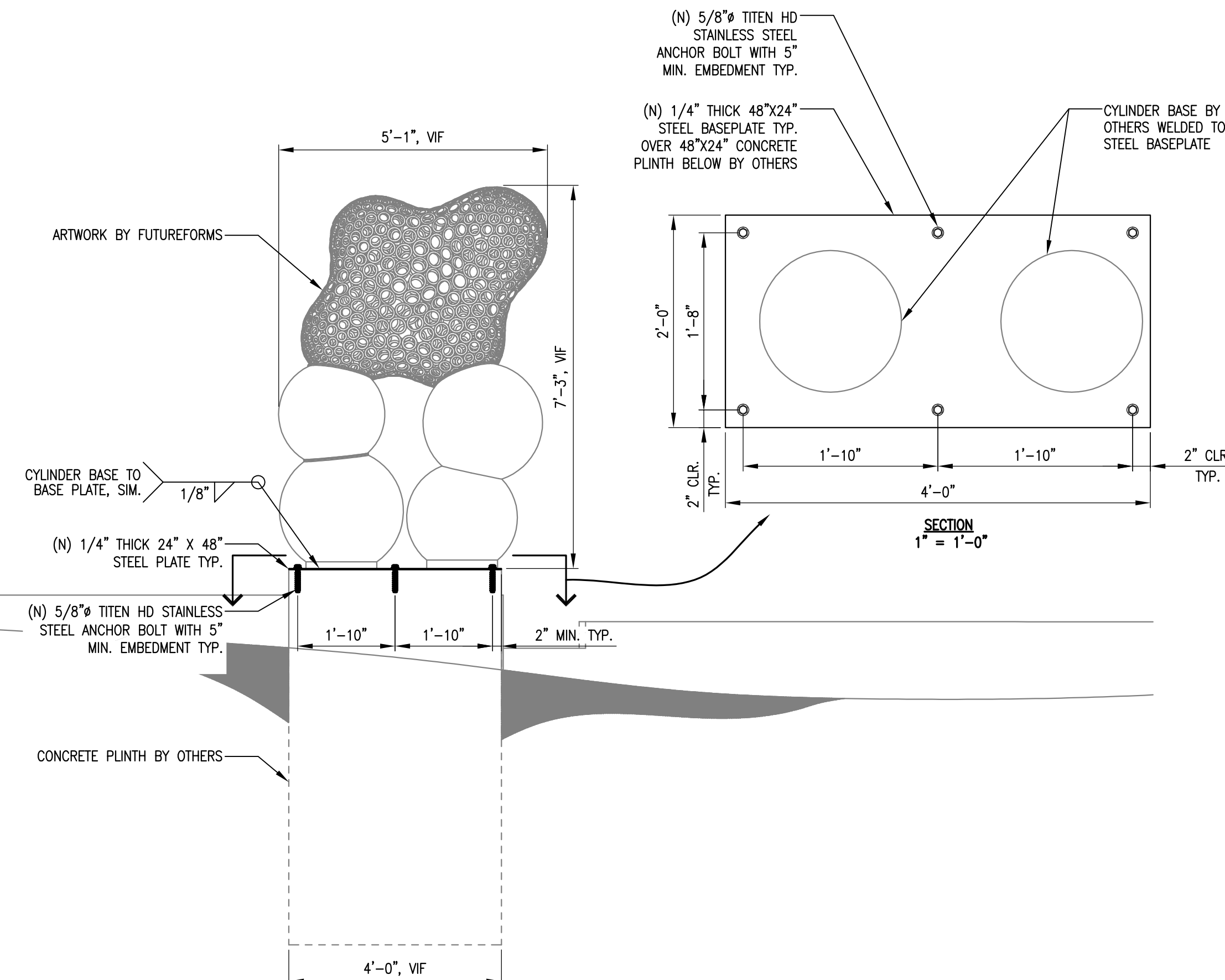
S-4

OF 4 SHEET



1 ARTWORK 1 ELEVATION
17th & SAN BRUNO AVE. 1/2" = 1'-0"

2 ARTWORK 2 ELEVATION
17th & SAN BRUNO AVE. 1/2" = 1'-0"



3 ARTWORK 3 ELEVATION
17th & VERMONT ST. 1/2" = 1'-0"

4 ARTWORK 4 ELEVATION
17th & VERMONT ST. 1/2" = 1'-0"