PROJECT DESCRIPTION

1. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS COMPRISES THE DESIGN OF TRAFFIC MAST ARM AND STREETLIGHT POLE FOUNDATIONS.

GENERAL

1. THESE GENERAL NOTES APPLY THROUGHOUT ALL STRUCTURAL DRAWINGS EXCEPT WHERE SPECIFICALLY SHOWN BY NOTES ON DRAWINGS AND/OR DETAILS.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE START OF CONSTRUCTION OR FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION OR FABRICATION. ANY DISCREPANCIES, INCONSISTENCIES, OR UNSOUND CONDITIONS SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION PRIOR TO THE START OF ANY CONSTRUCTION OR FABRICATION SO THAT A CLARIFICATION CAN BE ISSUED.

3. DIMENSIONS ARE TO CENTERLINE OF STEEL FRAMING, FACE OF CONCRETE SURFACES, FACE OF STUDS, FACE OF CONCRETE MASONRY UNITS (CMU), TOP OF SHEATHING, OR TOP OF STRUCTURAL SLAB, UNLESS OTHERWISE NOTED.

4. DIMENSIONS IN THE STRUCTURAL DRAWINGS ARE AS NOTED. DO NOT USE DIMENSIONS SCALED FROM THE STRUCTURAL DRAWINGS.

5. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE CITY.

6. ALL TYPICAL DETAILS AND NOTES SHOWN ON DRAWINGS SHALL APPLY UNLESS OTHERWISE NOTED. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED ON THE PLANS, BUT SHALL STILL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS. WHERE TYPICAL DETAILS ARE NOTED ON THE DRAWINGS, THE SPECIFIED TYPICAL DETAIL SHALL BE USED. WHERE NO DETAILS ARE NOTED, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. THE CONTRACTOR SHALL SUBMIT ALL PROPOSED ALTERNATE TYPICAL DETAILS TO THOSE PROVIDED WITH RELATED CALCULATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO SHOP DRAWING PRODUCTION AND FIELD USE.

7. REFER TO OTHER DISCIPLINES' DRAWINGS AND COORDINATE INFORMATION RELATED TO THOSE OTHER DISCIPLINES' SYSTEMS FOR ITEMS SUCH AS:

   a. FINISH FLOOR ELEVATIONS, CHANGES IN ELEVATION, SLOPES, DRAINS, CURBS, PADS, INSERTS, ETC.
   b. WATERPROOFING AND WATERSTOPS.
   c. PIPE RUNS, SLEEVES, TRENCHES, OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
   d. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS, ETC., IN SLABS.

8. FOR OPENINGS LARGER THAN 6" THAT ARE REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL SUBMIT DRAWINGS INDICATING OPENING LOCATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

9. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS AND/OR METHODS OF CONSTRUCTION. ALTHOUGH THE NEED FOR SHORING MAY SOMETIMES BE INDICATED IN THE STRUCTURAL DRAWINGS, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DESIGN, PROVIDE, AND MAINTAIN TEMPORARY BRACING, SHORING, GUYING, OR OTHER TEMPORARY SUPPORT AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION.

10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION OF ADJACENT STRUCTURES DURING CONSTRUCTION. THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR REPAIR OR REPLACEMENT.

11. THE USE OF NEW CONSTRUCTION FOR TEMPORARY SUPPORT OR STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS IS RESTRICTED TO THE DESIGN CAPACITY OF THE NEW CONSTRUCTION AT THE TIME IT IS TO BE USED. EQUIPMENT OR MATERIALS SHALL BE PLACED SO AS NOT TO EXCEED THE CAPACITY OF INDIVIDUAL ELEMENTS. PROVIDE ADEQUATE, ENGINEERED SHORING AND/OR BRACING WHERE DESIGN CAPACITY IS NOT SUFFICIENT.

12. CONSTRUCTION LOADS SHALL NOT BE PLACED ON NEW CONCRETE CONSTRUCTION, FOR AT LEAST 7 DAYS AFTER CONCRETE PLACEMENT.

13. SPECIFICATIONS AND DETAILING OF ALL WATERPROOFING AND DRAINAGE ITEMS, ALTHOUGH SOMETIMES INDICATED ON THE STRUCTURAL DRAWINGS FOR GENERAL INFORMATION PURPOSES ONLY, ARE SOLELY THE DESIGN RESPONSIBILITY OF OTHERS.

14. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING PIPES, DUCTS, AND UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR REPAIR OR REPLACEMENT.

15. ALL STRUCTURAL MEMBERS AND ELEMENTS SHOWN ON THE STRUCTURAL DRAWINGS ARE NEW UNLESS NOTED (E) FOR EXISTING CONDITIONS.

BASIS OF DESIGN

1. ALL NEW CONSTRUCTION SHALL CONFORM TO THE 2013 SAN FRANCISCO BUILDING CODE (SFBC) WHICH COMPRISES THE 2013 CALIFORNIA BUILDING CODE (CBC) AND 2013 SAN FRANCISCO AMENDMENTS.

2. THE PUBLICATIONS LISTED BELOW ARE THE GOVERNING CODES AND STANDARDS REFERENCE BY THE CBC AND ARE REFERENCED HEREIN BY THEIR BASIC DESIGNATION. IN THE CASE OF CONFLICTING REQUIREMENTS, THE SFBC SHALL GOVERN.

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS", FIRST EDITION 2015
ACI 301-10	AMERICAN CONCRETE INSTITUTE, "SPECIFICATIONS FOR STRUCTURAL CONCRETE", 2010 EDITION
ACI 318-11	AMERICAN CONCRETE INSTITUTE, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", 2011 EDITION
RCSC	RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS, "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", JUNE 30, 2004
AISC 303-05	AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", MARCH 18, 2005
AISC 341-10	AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS", 2010
AISC 360-10	AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", JUNE 22, 2010
ASCE 7-10	AMERICAN SOCIETY OF CIVIL ENGINEERS, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", 2010 EDITION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS D1.1	AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE - STEEL", 2010 EDITION
AWS D1.3	AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE - SHEET STEEL", 2008 EDITION
AWS D1.4	AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE - REINFORCING STEEL", 2011 EDITION

STRUCTURAL DESIGN CRITERIA

1. DESIGN LIVE LOADS:

   SUB-SIDEWALK BASEMENT LOCATIONS:
   SIDEWALKS/DRIVEWAY
   (SUBJECT TO TRUCKING) 250 PSF OR 8,000 LB

2. WIND DESIGN CRITERIA:

   TRAFFIC AND STREET LIGHT POLES
   BASIC WIND SPEED: 115 MPH (3 SECOND GUST)
   METHOD AASHTO LRFD

SHEET INDEX

SHEET NO.	TITLE	ISSUED FOR BID	REVISION
S-001	STRUCTURAL GENERAL NOTES	X	
S-002	STRUCTURAL GENERAL NOTES	X	
S-003	STRUCTURAL GENERAL NOTES	X	
S-004	STRUCTURAL GENERAL NOTES	X	
S-005	TYPICAL DETAILS	X	
S-201	PARTIAL PLANS AT INTERSECTION - 2ND ST & MISSION ST	X	
S-202	PARTIAL PLANS AT INTERSECTION - 2ND ST & NATOMA ST	X	
S-203	PARTIAL PLANS AT INTERSECTION - 2ND ST & HOWARD ST	X	
S-204	PARTIAL PLANS AT INTERSECTION - 2ND ST & BRANNAN ST	X	
S-401	SUB-SIDEWALK BASEMENT TRAFFIC SIGNAL POLE - SECTIONS & DETAILS	X	
S-402	SUB-SIDEWALK BASEMENT TRAFFIC SIGNAL POLE - SECTIONS & DETAILS	X	
S-403	PEDESTRIAN LIGHT POLE FOUNDATION DETAILS	X	
S-404	SUB-SIDEWALK BASEMENT TRAFFIC SIGNAL POLE - SECTIONS & DETAILS	X	
S-405	1-A POLE WITH MODIFIED BASE PLATE - SECTIONS AND DETAILS	X	
S-406	SUB-SIDEWALK BASEMENT 1-A POLE - SECTIONS & DETAILS	X	
S-501	STEEL DETAILS	X	
REFERENCE:			
		SEPTEMBER 2016	

NO.	DATE	DESCRIPTION	BY	APP.

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

REFERENCE INFORMATION & FILE NO. OF SURVEYS

CITY AND COUNTY OF SAN FRANCISCO

REGISTERED PROFESSIONAL ENGINEER
JOHN C. SPRINGER
No. S 4716
STRUCTURAL
STATE OF CALIFORNIA
9/19/16

SAN FRANCISCO PUBLIC WORKS

DESIGN AND ENGINEERING DIVISION
PUBLIC WORKS
CITY & COUNTY OF SAN FRANCISCO
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

		Date:
Section Mgr:	RAYMOND LUI	9/19/16
Deputy Division Mgr:	FERNANDO CISNEROS	9/20/16
Division Mgr:	PATRICK RIVERA	9/21/16

DESIGNED	JN
DRAWN	VY
CHECKED	JS
REVIEWED	
RECOMMENDED	
APPROVED	
DATE	

SCALE: AS SHOWN

SHEET OF SHEETS

2ND STREET STREETSCAPE IMPROVEMENTS PROJECT

STRUCTURAL GENERAL NOTES

SPECIFICATION NO. 1064J (R)
DRAWING NO. S-001
FILE NO. 106,291
REV. NO.

Drawing Path: V:\1064J_SECOND_STREET_STREETSCAPE_IMPROVEMENTS\2_Design\Working_Drawings\EST\Current\1064J_S-001.dwg, Login: jng
Plot Time: Wed, 14 Sep 2016 - 2:23pm
Model Units: Inches Dimension Scale: 40
Measurement Units are English
Xrefs: V:\1064J_