

3. THE ENGINEER OF RECORD SHALL PROVIDE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM, BELOW, FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND INDICATED WITH AN "X" SPECIFICATIONS AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS AND SPECIAL INSPECTIONS REQUIRED BY THE SFBC.

STRUCTURAL OBSERVATION REQUIREMENTS	REQ'D	NOTES
FOUNDATIONS		
1. ISOLATED & CONTINUOUS FOOTINGS, STEM WALLS	X	
2. MAT FOUNDATIONS		
3. PIERS, CAISSONS, PILES, PILE CAPS	X	
4. RETAINING WALLS, HILLSIDE CONSTRUCTION		
SHEAR WALLS		
1. LIGHT-FRAMED SHEAR WALLS, INCLUDING HOLDOWN INSTALLATION AND SHEATHING NAILING		
2. CONCRETE SHEAR WALLS, INCLUDING REINFORCING STEEL PLACEMENT AND CONCRETE PLACEMENT		
3. MASONRY SHEAR WALLS, INCLUDING REINFORCING STEEL PLACEMENT AND GROUT PLACEMENT		
4. STEEL SHEAR WALLS		
MOMENT-RESISTING FRAMES		
1. CONCRETE MOMENT-RESISTING FRAMES, INCLUDING REINFORCING STEEL PLACEMENT & CONCRETE PLACEMENT		
2. STEEL MOMENT-RESISTING FRAMES		
BRACED FRAMES		
1. STEEL BRACED FRAMES		
HORIZONTAL ROOF AND FLOOR DIAPHRAGMS		
1. CONCRETE		
2. STEEL DECK, CONCRETE ON STEEL DECK		
3. WOOD		
4. CHORDS AND/OR COLLECTORS		
OTHER		

4. WHERE INDICATED WITH AN "X" BELOW, THE CONTRACTOR SHALL SUBMIT CERTIFICATES OF CONFORMANCE, SHOP DRAWINGS, CALCULATIONS, AND DETAILS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. WHERE CALCULATIONS AND DETAILS ARE REQUIRED, THE SUBMITTAL SHALL BE SEALED AND SIGNED BY A REGISTERED DESIGN PROFESSIONAL IN THE STATE OF CALIFORNIA. FOR ADDITIONAL INFORMATION REGARDING SUBMITTALS, SEE SPECIFICATIONS.

ITEM	CERTIFICATES	SHOP DRAWINGS	CALCULATIONS & DETAILS	REMARKS
CONCRETE, REINFORCING	X	X		
CONCRETE, MIX DESIGN		X		
CONCRETE, CEMENT	X			
CONCRETE, FINE AGGREGATES	X			
CONCRETE, COARSE AGGREGATES	X			
CONCRETE, ADMIXTURES	X			
SHOTCRETE, MIX DESIGN		X		
PRECAST CONCRETE MEMBERS				
MASONRY, REINFORCING				
MASONRY, MORTAR MIX DESIGN				
MASONRY, GROUT MIX DESIGN				
MASONRY, UNITS				
MASONRY, LIME				
STRUCTURAL STEEL	X	X		
OPEN WEB JOISTS				
METAL DECKING WITH STUD LAYOUT				
COLD-FORMED STRUCTURAL STEEL				
METAL STAIRS				
TEMPORARY SHORING SYSTEM		X	X	

ABBREVIATIONS

A.B. ANCHOR BOLT
ACI AMERICAN CONCRETE INSTITUTE
ADD'L ADDITIONAL
ADJ ADJACENT
AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ARCH ARCHITECTURAL
ASTM AMERICAN STANDARDS TESTING AND MATERIALS
AWS AMERICAN WELDING SOCIETY
& AND
@ AT

BAL BALANCE
BLDG BUILDING
BLKG BLOCKING
BM BEAM
B, BOT BOTTOM
B.O. BOTTOM OF
B.O.E. BOTTOM OF EXCAVATION
B.O.F. BOTTOM OF FOOTING
B.O.S. BOTTOM OF STEEL
B.O.W. BOTTOM OF WALL
B.S. BOTH SIDE
BT, BTWN BETWEEN

CBC CALIFORNIA BUILDING CODE
CCSF CITY AND COUNTY OF SAN FRANCISCO
CHK PL CHECKERED PLATE
CIDH CAST-IN-DRILLED-HOLE
C.J. CONTROL JOINT
C.J.P. COMPLETE JOINT PENETRATION
CL CENTER LINE
CLR CLEAR
CMU CONCRETE MASONRY UNITS
COL COLUMN
CONC CONCRETE
CONN CONNECTION
CONT CONTINUOUS
CTR CENTER

DBL DOUBLE
DEMO DEMOLISH
DET DETAIL
DIA, Ø DIAMETER
DIAG DIAGONAL
DIM DIMENSION
DIR DIRECTION
DN DOWN
DO DITTO
DWG DRAWING

(E) EXISTING
EA EACH
E.F. EACH FACE
EFF EFFECTIVE
E.J. EXPANSION JOINT
EL, ELEV ELEVATION
ELEC ELECTRICAL
EMBED EMBEDMENT
E.N. EDGE NAILING
EQ EQUAL
EQUIP EQUIPMENT
E.S. EACH SIDE
E.W. EACH WAY
EXP EXPANSION
EXT EXTERIOR

F.F. FINISH FLOOR
F.G. FINISH GRADE
FIN FINISH
FL FLOOR
FNDN FOUNDATION
F.O.C. FACE OF CONCRETE
F.O.F. FACE OF FINISH
F.O.S. FACE OF STUD
F.O.W. FACE OF WALL
FRP FIBER REINFORCED PLASTIC
FT FOOT, FEET
FTG FOOTING

GA GAGE
GALV GALVANIZED

H, HORIZ HORIZONTAL
H.J. HAND RAIL
H.S.B. HIGH STRENGTH BOLT
HSS HOLLOW STRUCTURAL SECTION

ICC INTERNATIONAL CODE COUNCIL
I.D. INSIDE DIAMETER
I.F. INNER FACE
IN INCHES
INFO INFORMATION

INSUL

INT INTERIOR
JT JOINT
L ANGLE
LLH LONG LEG HORIZONTAL
LLV LONG LEG VERTICAL
LVL LAMINATED VENEER LUMBER
LWC LIGHT WEIGHT CONCRETE

MAT'L MATERIAL
MAX MAXIMUM
MECH MECHANICAL
MET METAL
MIL MILLIMETER
MIN MINIMUM
MISC MISCELLANEOUS

(N) NEW
NOT NON-DESTRUCTIVE TESTING
N.I.A. NOT IN CONTRACT
N.T.S. NOT TO SCALE
NO. NUMBER
NOM NOMINAL
N.W.C. NORMAL WEIGHT CONCRETE

O.C. ON CENTER
O.D. OUTSIDE DIAMETER
O.F. OUTER FACE
O.H. OPPOSITE HAND
OPNG OPENING
OPP OPPOSITE

P.J.P. PARTIAL JOINT PENETRATION
PL PLATE
P.L. PROPERTY LINE
PLF POUNDS PER LINEAR FOOT
PLYWD PLYWOOD
PSI POUNDS PER SQUARE INCH
PSF POUNDS PER SQUARE FOOT
PSL PARALLEL STRAND LUMBER

R RADIUS
R.C. RELATIVE COMPACTION
ROWD REDWOOD
REINF REINFORCING, REINFORCEMENT, REINFORCED
REQ'D REQUIRED
RET RETAIN, RETAINING
R.O. ROUGH OPENING

S.A.D. SEE ARCHITECTURAL DRAWING
S.E.D. SEE ELECTRICAL DRAWING
S.L.D. SEE LANDSCAPE DRAWING
S.M.D. SEE MECHANICAL DRAWING
S.P.D. SEE PLUMBING DRAWING
SCHED SCHEDULE
SEC SECTION
SFBC SAN FRANCISCO BUILDING CODE
SHT SHEET
SHTG SHEATHING
SIM SIMILAR
S.O.G. SLAB-ON-GRADE
SPEC SPECIFICATION
S.S. STAINLESS STEEL
SQ SQUARE
STD STANDARD
STIFF STIFFENER
STIR STIRRUP
STL STEEL
STRUCT STRUCTURAL
SYM SYMMETRICAL

T TOP
T & B TOP AND BOTTOM
THK THICK
THRU THROUGH
T.O. TOP OF
T.O.G. TOP OF CONCRETE
T.O.S. TOP OF STEEL
T.O.G. TOP OF WALL
TYP TYPICAL

U.O.N. UNLESS OTHERWISE NOTED

V, VERT VERTICAL
VIF VERIFY IN FIELD

W/

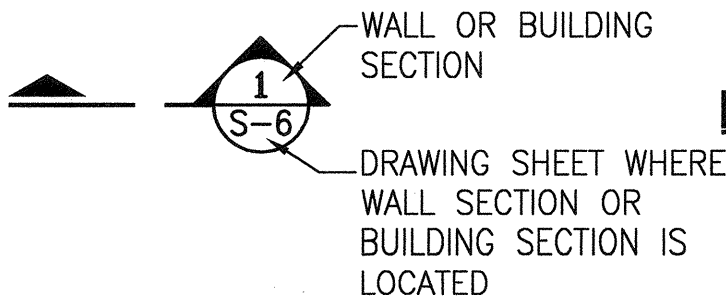
W/O WITHOUT
WD WOOD
WF WIDE FLANGE
W.R.T. WITH RESPECT TO
WT WEIGHT
W.W.F. WELDED WIRE FABRIC

WITH

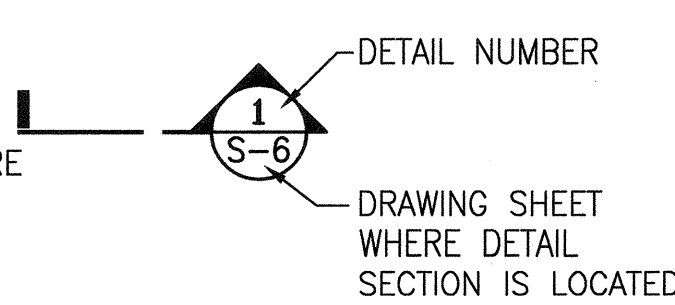
WITHOUT
WOOD
WIDE FLANGE
WITH RESPECT TO
WEIGHT
WELDED WIRE FABRIC

LEGEND

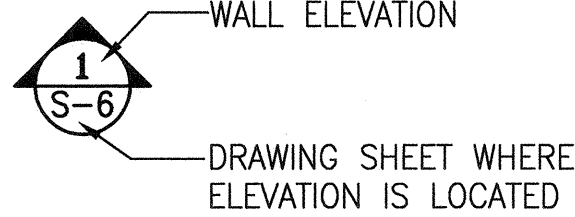
WALL SECTION AND BUILDING SECTION:



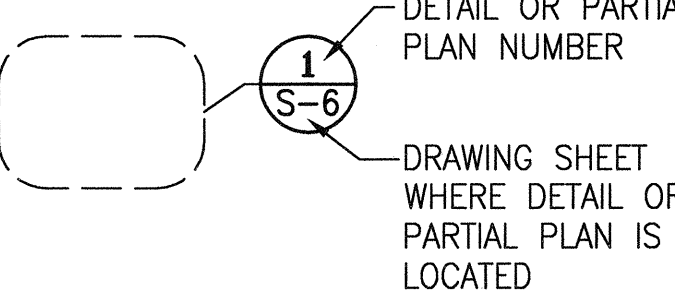
DETAIL SECTION REFERENCE:



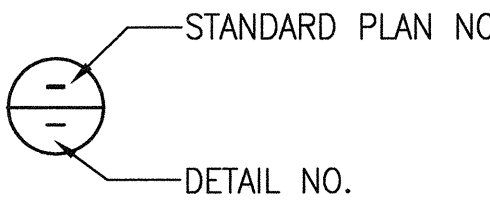
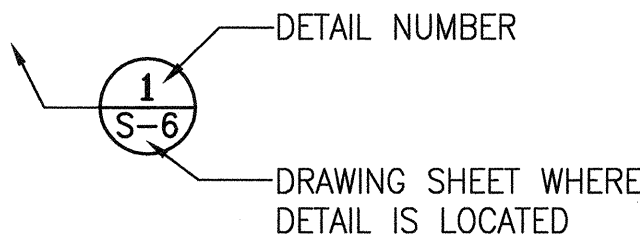
WALL ELEVATION:



DETAIL OR PARTIAL PLAN REFERENCE:

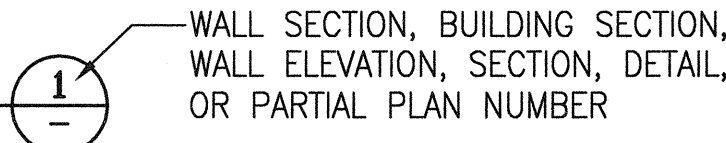


DETAIL REFERENCE:



WALL SECTION, BUILDING SECTION, WALL ELEVATION, SECTION DETAIL, PARTIAL PLAN:

DETAIL SCALE:



HANGER

POST ABOVE & BELOW

POST ABOVE

POST BELOW

CONC WALL

EXISTING WALL

REVISION

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



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

Section Mgr:	RAYMOND LUI	Date:	9/12/16
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-004
FILE NO.	106,294
REV. NO.	