

## CANOPY NOTES

### GENERAL NOTES:

- BUILDING CODE: 2009 INTERNATIONAL BUILDING CODE
- USE GROUP: M
- CONSTRUCTION TYPE: IIB
- DESIGN LOADS:
  - EARTHQUAKE LOAD:
    - IMPORTANCE FACTOR: 1.0
    - DESIGN BASE SHEAR: 3.37k
    - SEISMIC RESPONSE COEFFICIENT:  $C_s = 0.26$
    - RESPONSE MODIFICATION FACTOR:  $R=1.25$
    - SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
    - SPECTRAL RESPONSE COEFFICIENT (SHORT PERIOD)  $S_Ds=0.330$
    - SPECTRAL RESPONSE COEFFICIENT (1 SEC PERIOD)  $S_D1=0.125$
    - SITE CLASS: D
    - SEISMIC DESIGN CATEGORY: C
    - BASIC SEISMIC FORCE RESISTING SYSTEM - CANTILEVERED COLUMN SYSTEM
- ROOF LIVE LOAD: 20 PSF
- ROOF SNOW LOAD:
  - $P_g = 60$  PSF
  - $P_f = 0.7(C_e)(C_t)(P_g)$
  - $C_e = 1.0$
  - $C_t = 1.2$
  - $I = 1.0$
  - GROUND SNOW LOAD
  - FLAT ROOF SNOW LOAD
  - EXPOSURE FACTOR
  - THERMAL FACTOR
  - IMPORTANCE FACTOR
- WIND LOAD:
  - $V = 100$  MPH
  - $I = 1$
  - EXPOSURE CATEGORY: B
  - BUILDING OCCUPANCY CATEGORY: II
  - BASIC WIND SPEED (3 SEC GUST)
  - IMPORTANCE FACTOR
- CONTRACTORS SHALL NOT SCALE THESE DRAWINGS FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS THE CONTRACTOR SHALL NOTIFY JIMCO SALES & MFG.

### MATERIAL PROPERTIES:

CONCRETE:	$f'_c = 3000$ psi @ 28 DAYS
REINFORCING:	$f_y = 60,000$ psi
STEEL BEAMS:	$F_y = 50,000$ psi
HSS SQUARE COLUMNS:	$F_y = 46,000$ psi
HSS ROUND COLUMNS:	$F_y = 42,000$ psi

### FOUNDATION NOTES:

- FOUNDATION SOIL PROPERTIES:
    - ALLOWABLE BEARING PRESSURE: 1500 PSF
    - LATERAL PRESSURE: 100 PSF/FT OF DEPTH
- NOTE: GEOTECH INVESTIGATION NOT PROVIDED. VALUES ARE PRESUMPTIVE FROM THE BUILDING CODE AND SHALL BE VERIFIED BY THE CUSTOMER'S GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.

### CONCRETE NOTES:

- ALL CONCRETE WORK SHALL COMPLY WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
- ALL REINFORCING STEEL SHALL CONFORM TO THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", ASTM A615 GRADE 60.
- STIRRUPS AND TIES SHALL HAVE 4" HOOKS.
- MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT:
  - CONCRETE EXPOSED TO GROUND-----3"
  - FORMED CONCRETE EXPOSED TO GROUND----2"
  - FORMED CONCRETE NOT EXPOSED TO GROUND-1 1/2"
- CONCRETE SHALL CONFORM TO ASTM C94 "READY MIX CONCRETE" WITH A MIN. COMPRESSIVE STRENGTH OF ( $f'_c =$ ) 3000 PSI DESIGN

### STRUCTURAL STEEL NOTES:

- ALL STRUCTURAL STEEL SHALL COMPLY WITH AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
- ALL BOLTS SHALL BE 3/4"Ø ASTM A307 BOLTS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL BOLTED CONNECTIONS SHALL BE "SNUG-TIGHT", UNLESS NOTED OTHERWISE IN ACCORDANCE WITH RCSC.

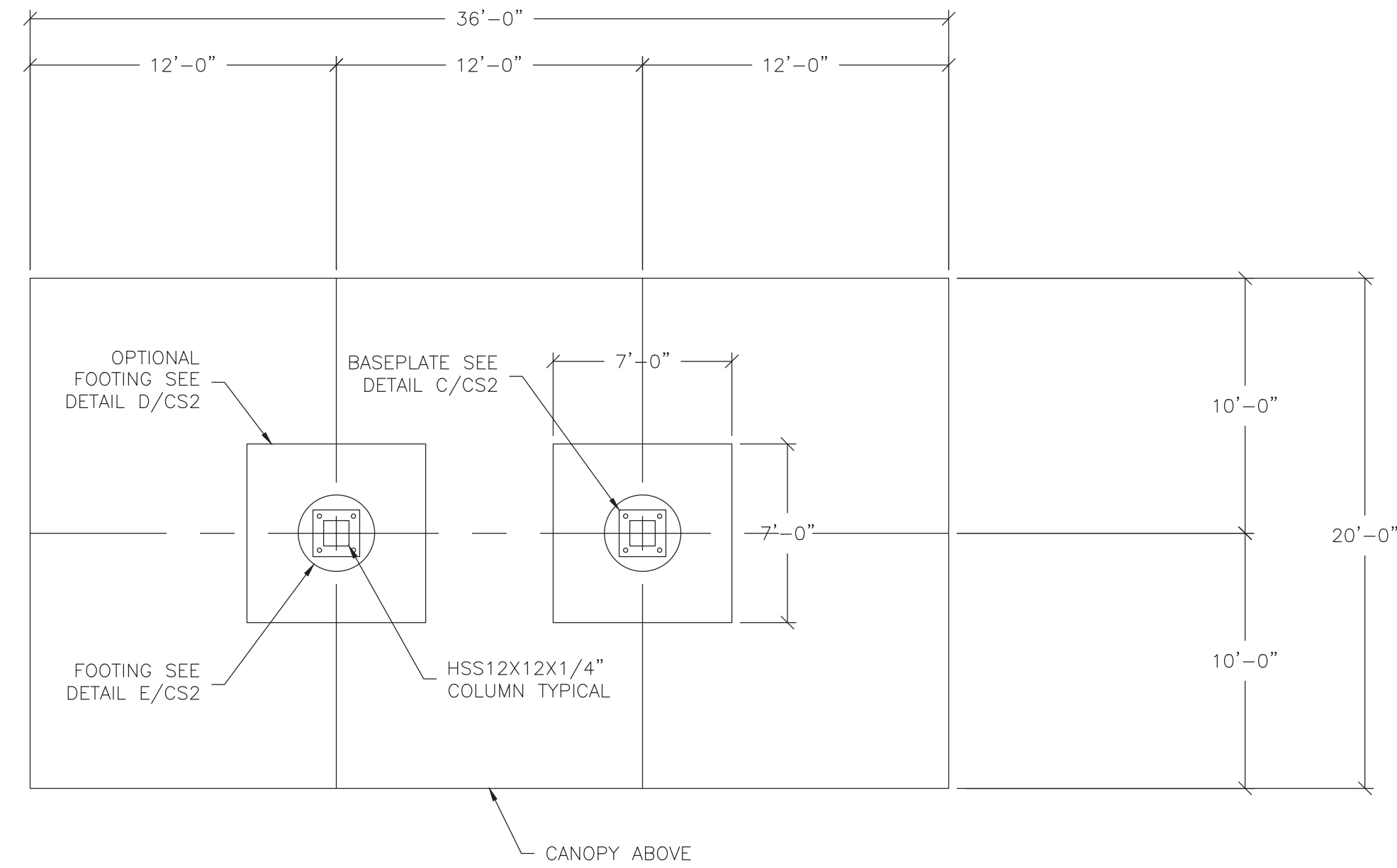
## SPECIAL INSPECTIONS FOR THE CANOPY

IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING ITEMS WILL REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH THE BUILDING CODE. JIMCO SALES AND MANUFACTURING IS AN APPROVED FABRICATOR FOR LOS ANGELES COUNTY, CALIFORNIA, CLARK COUNTY, NEVADA, LAS VEGAS, NEVADA AND MIAMI DADE COUNTY, FLORIDA.

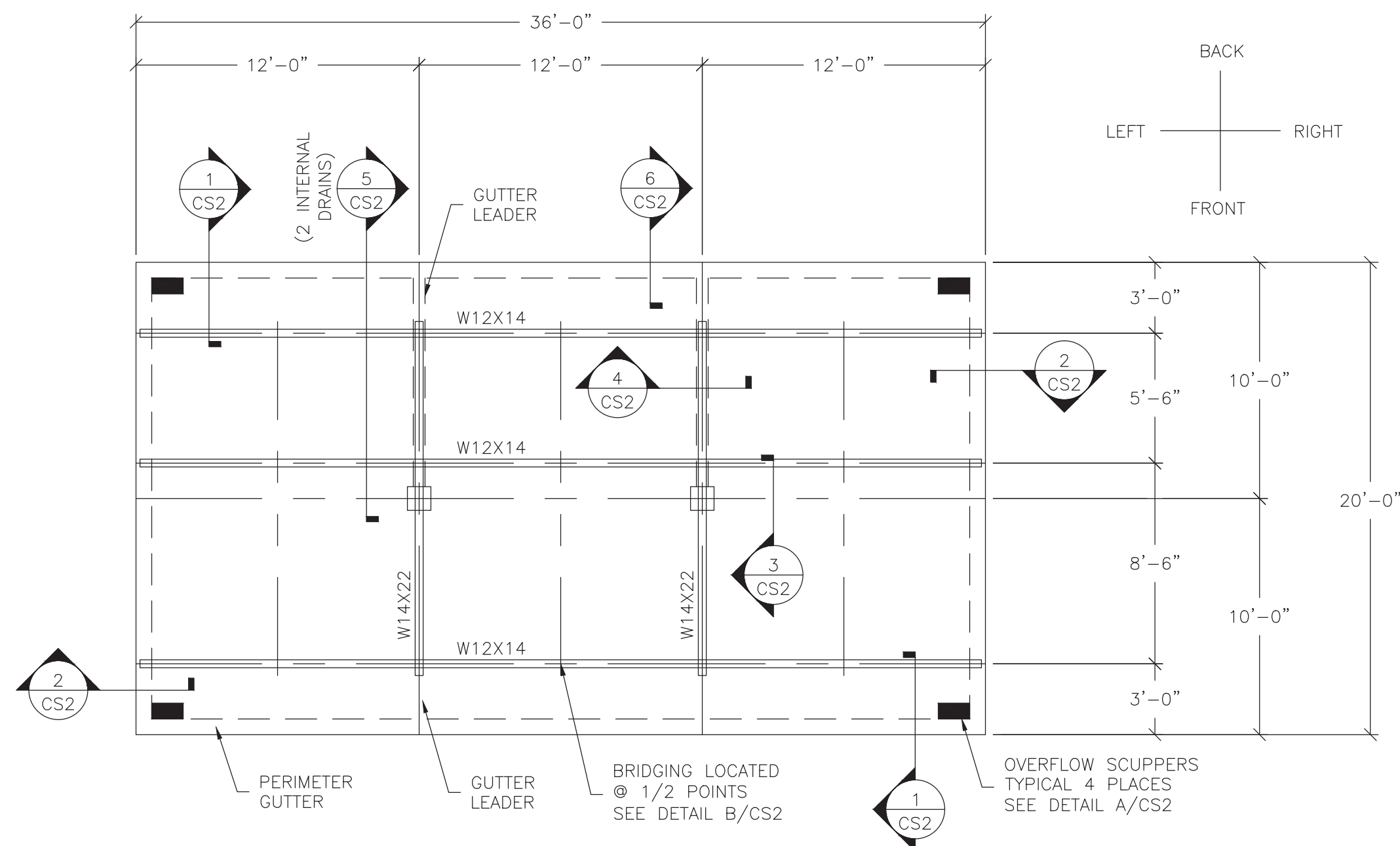
- STEEL CONSTRUCTION - PERIODIC INSPECTION IS REQUIRED TO VERIFY MEMBER SIZES AND JOINT DETAILS.
- WELDING - CONTINUOUS INSPECTION REQUIRED FOR ALL FIELD WELDS, EXCEPT ONLY PERIODIC INSPECTION IS REQUIRED FOR SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16". SHOP WELD INSPECTION IS NOT REQUIRED WHERE WELDING IS PERFORMED IN AN APPROVED FABRICATOR SHOP.
- CONCRETE CONSTRUCTION
  - PERIODIC INSPECTION OF REBAR INSTALLATION AND FORMWORK.
- PIER FOUNDATIONS
  - CONTINUOUS INSPECTION OF PIER FOUNDATION DURING DRILLING OPERATIONS.
- ANCHOR BOLTS
  - CONTINUOUS INSPECTION OF ANCHOR BOLT INSTALLATION REQUIRED.
- SOILS
  - PERIODIC INSPECTION TO VERIFY MATERIALS ARE ADEQUATE AND PREPARED TO ACHIEVE DESIGN BEARING CAPACITY AND EXCAVATIONS EXTEND TO PROPER DEPTH.

KEEP RECORDS FOR INSPECTORS EXAMINATIONS

ALL SPECIAL INSPECTION ARE TO BE DONE BY OTHERS.



**1 FOUNDATION PLAN**  
Scale: NTS



**2 CANOPY FRAMING PLAN**  
Scale: NTS

**Jimco**  
SALES AND  
MANUFACTURING  
3113 St. Louis Ave. Fort Worth, Texas (817)824-6173

DRAWING DESCRIPTION  
CANOPY STRUCTURAL  
NOTES AND PLANS

JOB LOCATION  
7-ELEVEN #32541  
1917 FOREST AVE  
PORTLAND, ME

ENGINEER SEAL  
1/21/2016  
THOMAS R. SADLER  
8871

CUSTOMER	7-ELEVEN INC-ONE ARTS PLAZA
NO.	DESCRIPTION:
DATE:	BY:
REVISIONS	

R. LAUER	DATE:
DRAWN BY:	1-18-2016
T. SADLER	CHECKED BY:

JOB NO.  
**16-1122R0**  
DWG. NO.  
**CS1**  
OF 2 SHEETS

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