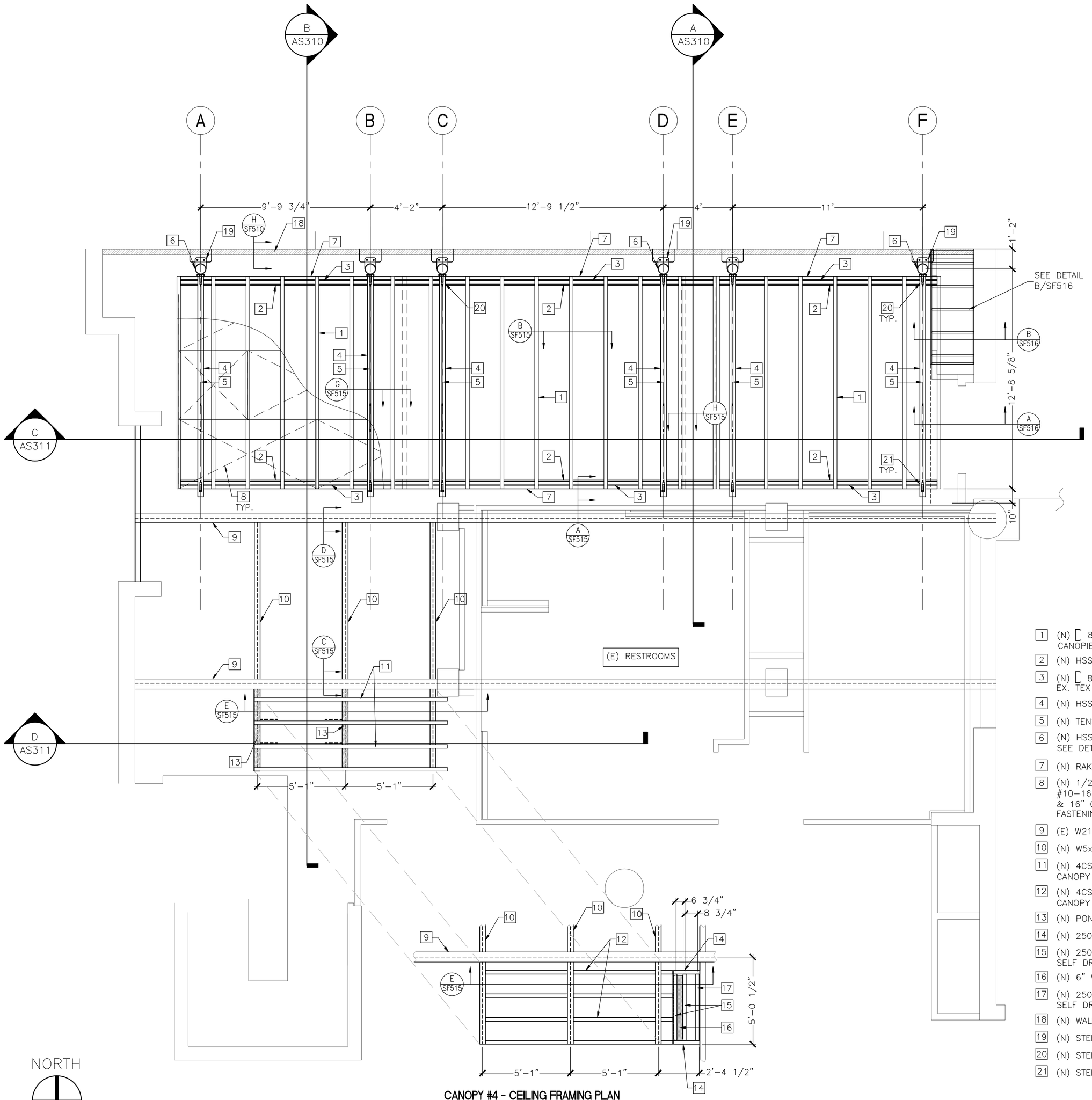


ROOF FRAMING PLAN
SCALE: 3/8"=1'-0"

CANOPY #4 - CEILING FRAMING PLAN
SCALE: 3/8"=1'-0"

PROJECT DATA

ALLOWABLE SOIL PRESSURE = 1500 PSF
SEISMIC IMPORTANCE FACTOR: I=2
CO-ORDINATES: LATITUDE = 36.77° / LONGITUDE = -119.78°
SPECTRAL RESPONSE ACCELERATION: Ss = 0.507 / S1 = 0.223
SPECTRAL RESPONSE COEFFICIENTS: Sds = 0.41 / Sd1 = 0.290
SITE COEFFICIENTS: Fa = 1.394 / Fv = 1.955
SEISMIC DESIGN CATEGORY: C

MATERIAL SPECIFICATIONS

ROOF AND SOFFIT PANELS:
PREFINISHED METAL:
ASTM A446-85 Grade C G90 COATING A525-86 CORE STEEL OR PREFINISHED GALVALUME - ASTM 792-86 AZ-55
UNFINISHED METAL:
Grade C GALVALUME ASTM 792-86, AZ-55

PURLINS:
ASTM A1011 SS OR HSLAS, CLASS 1, GRADE 55

STRUCTURAL (ROUND) TUBE:
ASTM A500 Gr.B (Fy=42 ksi.)

STRUCTURAL (SQUARE, RECTANGULAR) TUBE:
ASTM A500 Gr.B (Fy=46 ksi.)

BOLTS:
ASTM A307, GRADE A HEX BOLT WITH HEX NUT
WASHERS: TYPE 1 ASTM F436 (IF REQUIRED)
ANCHOR BOLTS: CAST IN PLACE L-BOLT ASTM A307 GRADE A HEX BOLT WITH HEX NUT

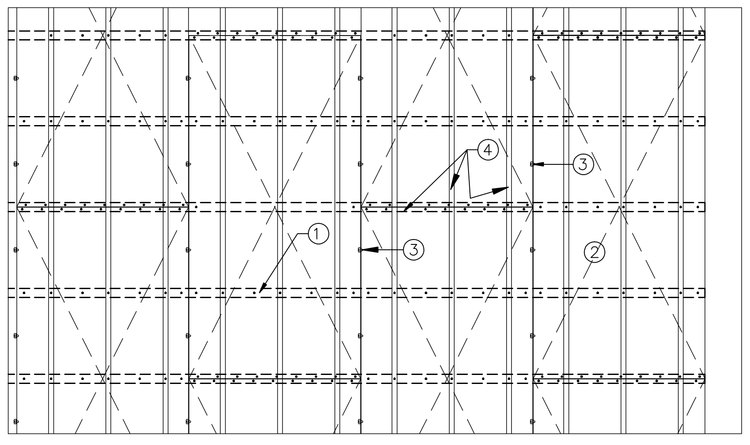
PLATE & BASE PLATE:
PLATE ASTM A36
BASE PLATE SIZES ARE 15"x15"x5/8" THICK UNLESS NOTED
BASE PLATES ARE DESIGNED ASSUMING CONCRETE HAS A MINIMUM STRENGTH OF 3000 P.S.I. AT 28 DAYS.

FASTENERS:
ALL SELF-DRILLING AND SELF-TAPPING SHEET METAL SCREWS WILL CONFORM TO THE FOLLOWING:
- #10-16x1.5" TEK 2 OR TEK 3 FLAT PHIL SCREWS SELF-DRILL SCREW CONFORMS TO SAE J78-98
- #14x1.5" TEK 2 OR TEK 3 HEX HEAD SELF-DRILL SCREW CONFORMS TO SAE J78-98

WELD MATERIAL:
E70XX

NOTES:

1. (N) [8"x 2.5"x 16 GA PURLIN @ 24" O.C. CANOPIES #1, #2 & #3 (typ.)
2. (N) HSS8x4x1/4 CURVED BEAM - SEE DETAIL G/SF512
3. (N) [8"x 2.5"x16 Ga x 21"L BLOCK w/ 2-#14x 1.5"L EX. TEX SCREWS TO BEAM
4. (N) HSS8x4x1/4 BEAM
5. (N) TENSION ROD - SEE DETAILS A & B/SF512
6. (N) HSS 7.625"Ø x 0.375" STEEL COLUMN (typ.) SEE DETAILS A, C & E/SF512
7. (N) RAKE AS PER DETAIL A/SF515
8. (N) 1/2" O.S.B. EXPOSURE 1 RATED SHEATHING W/ #10-16 x 1 1/2" FLAT PHIL TEK SCREWS @ 6" O.C. EDGE & 16" O.C. FIELD (TYP.) SEE ROOF SHEATHING AND RIBS FASTENING PATTERN PLAN FOR MORE INFORMATION
9. (E) W21x44 STEEL BEAM
10. (N) W5x16 A992 STEEL BEAM
11. (N) 4CSx1.625x18 Ga ROOF PURLINS @ 16" O.C. CANOPY #4 (typ.)
12. (N) 4CSx1.625x18 Ga CEILING JOISTS @ 16" O.C. CANOPY #4 (typ.)
13. (N) PONY WALL
14. (N) 250 S 125-33 CEILING JOIST
15. (N) 250 T 125-33 CEILING TRACK w/ 4- #10x1 1/2"L SELF DRILLING SCREWS
16. (N) 6" WIDE METAL GRATE
17. (N) 250 T 125-33 CEILING TRACK w/ 4- #10x2"L SELF DRILLING SCREWS
18. (N) WALL WITH STUCCO FINISH
19. (N) STEEL PLATE CONNECTION (typ.)- SEE DETAIL E/SF514
20. (N) STEEL PLATE CONNECTION (typ.)- SEE DETAIL D/SF514
21. (N) STEEL PLATE CONNECTION (typ.)- SEE DETAIL F/SF514



ROOF SHEATHING AND RIB FASTENING PATTERN PLAN
SCALE: 1/2"=1'-0"

1. PURLINS AS PER ROOF FRAMING PLAN
2. 1/2" O.S.B. EXPOSURE 1 RATED SHEATHING W/ #10-16 x 1 1/2" FLAT PHIL TEK SCREWS @ 6" O.C. EDGE & 12" O.C. FIELD (TYP.) LAY PANELS WITH JOINT STAGGERED WITH EDGE AND ENDS 1/8" AND SCREWED OVER BEARING AS SPECIFIED
3. PSCL1/2 CLIPS AT SHEATHING UNSUPPORTED EDGES (TYP.)
4. CONTINUOUS ZEE-RIB @ 16" O.C. W/ 10-16 X 1 1/2" FLAT PHIL TEK SCREWS @ 24" O.C. (TYP.)

100% SUBMITTAL - FOR CONSTRUCTION

Revisions:	Date

CONSULTANTS:

REGISTERED PROFESSIONAL ENGINEER ESTEBAN T. PAULI No.C51761 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

ARCHITECT/ENGINEERS:
PAULI ENGINEERING, INC.
944 N. VAN NESS AVE., FRESNO, CA 93728
PH: (559)237-4408 - FAX: (559)237-4409
E-MAIL: pauliengineering@sbcglobal.net
www.pauliengineering.com

Drawing Title: ATRIUM CANOPIES ROOF FRAMING PLAN

Approved: Project Director

Project Title: BUILDING 1 - CANOPIES AT ATRIUM WITH FLAT WORK IMPROVEMENT

Location: 2615 E. Clinton Ave, Fresno, CA

Date: 05-07-2012 | Checked | Drawn

Project Number: 570-11-123

Building Number: Building 1

Drawing Number: SF110

Dwg. of --

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231