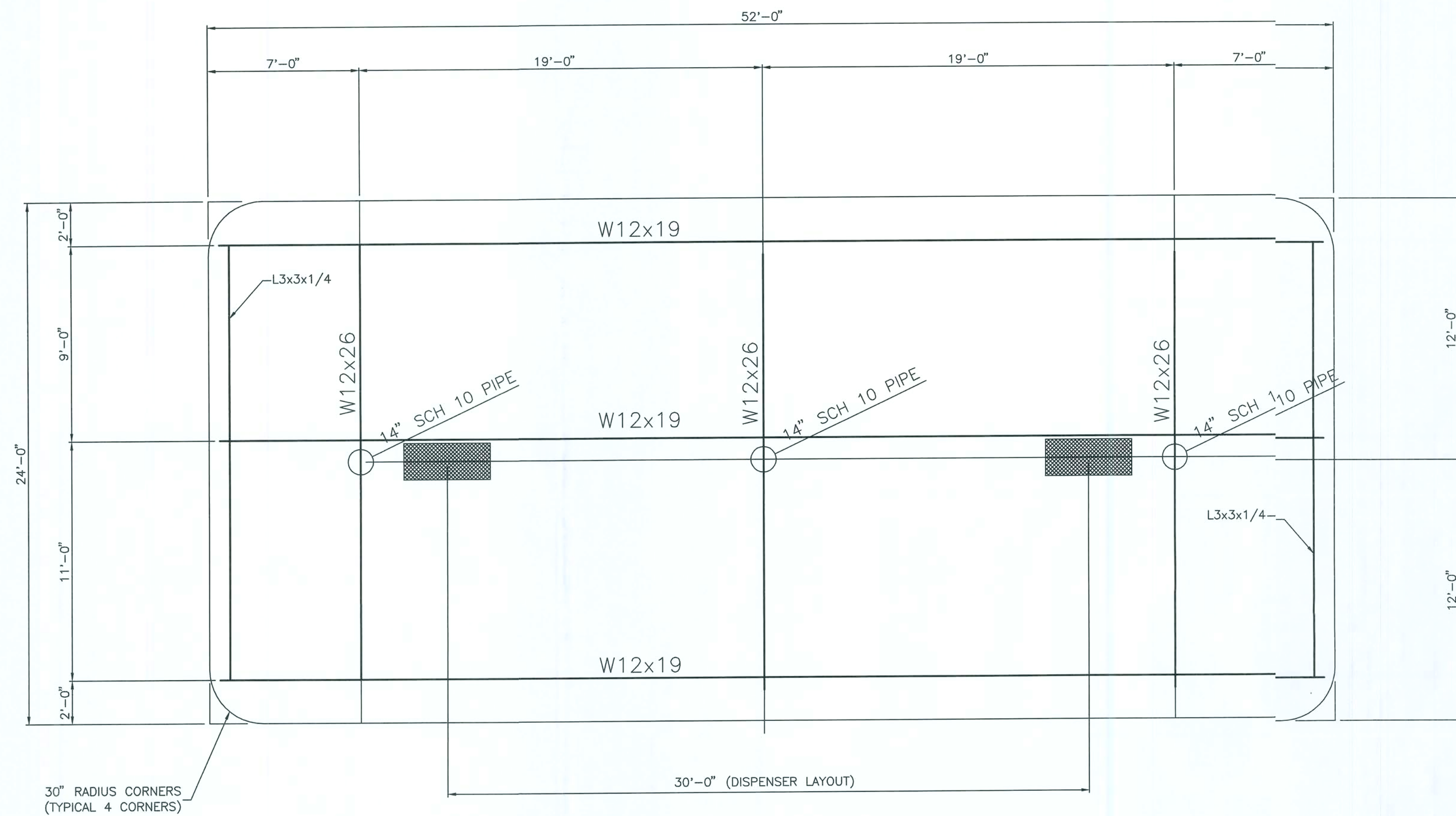




CANOPY STEEL PLAN
VERTICAL A.C.M. 36" FLAT FACIA

SCOPE OF WORK:

- * INSTALL NEW 24' X 52' CANOPY
- * DESIGN FOR FLA. BUILDING CODE 2004 & ASCE 7-02
- * WIND LOAD PER 1609 - 110 MPH
- * 30 PSF PER SQ FT LIVE LOAD
- * TYPE "M" BUILDING - OCC. 310.1
- * TYPE IV CONSTRUCTION SEC. 606 - GROUP "M"

OCCUPANCY

WIND LOADS-COMPONENTS & CLADDING:

- * MAX. NEGATIVE WIND LOADS ON ROOF ZONE 3 = -32 PSF
- * MAX. POSITIVE WIND LOADS ON ROOF = 10 PSF
- * BASE PRESSURE. $q_h = 18.4$ PSF

NOTES:

- * STEEL DESIGN - CURRENT AISC MANUAL 9TH EDITION - A36 (PRIMED)
- * WELDING ELECTRODES CLASS E-70XX (LOW HYDROGEN FOR A992 STEEL)
- * ALL WELDS ARE 3/16 FILLET UNLESS OTHERWISE NOTED
- * DECK SYSTEM TO BE ATTACHED TO PURLINS WITH DECK CLAMPS AT EACH CONTACT POINT ON MIDDLE PURLIN(S)
- * 2 CLAMPS EACH CONTACT POINT ON EXTERIOR PURLINS

NOTES:

DESIGN CRITERIA: (ALL DESIGN PER 2004 FLORIDA BUILDING CODE, UNLESS OTHERWISE NOTED)

- LIVE ROOF LOAD ----- 30PSF
- WIND LOAD ----- 110 MPH PER 1609
- ALLOWABLE UNIT STRESS:
 - CONCRETE ----- 3000 PSI
 - REBAR ----- ASTM A3615 GRADE 10 & A305
 - HIGH TENSILE BOLTS ----- A325
 - WELD ELECTRODES ----- A233, CLASS E70XX
 - SOIL BEARING ----- 2,500 PSF
 - STEEL DESIGN ----- CURRENT AISC MANUAL (A36)

GENERAL STRUCTURAL NOTES:

- UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM COVER FOR REBAR SHALL BE AS FOLLOWS:
FOOTINGS; ----- 3"
SLAB ON GRADE; --- CENTERED
- ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE.
- IF FOOTING ELEVATIONS SHOWN OCCUR IN A DISTURBED, UNSTABLE OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED
- ALL WELDS ARE 3/16" FILLET WELDS UNLSIES OTHERWISE NOTED. (USE LOW HYDROGEN RODS IF A992 STEEL IS USED)
- ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS
W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS

5-17-07
DWN. BY SC
DATE 5-07
CK'D BY CKI
DATE 5-07
JOB NO.
DWG NO.
S-1

CARR-TECH INDUSTRIES, INC.
5988 COLLINS ROAD
Jacksonville, Florida 32244
(904) 771-2340

NEW 24' x 52' CANOPY
923 S.E. STATE ROAD 100
LAKE CITY, FLORIDA 32025
STEEL FRAMING PLAN AND NOTES

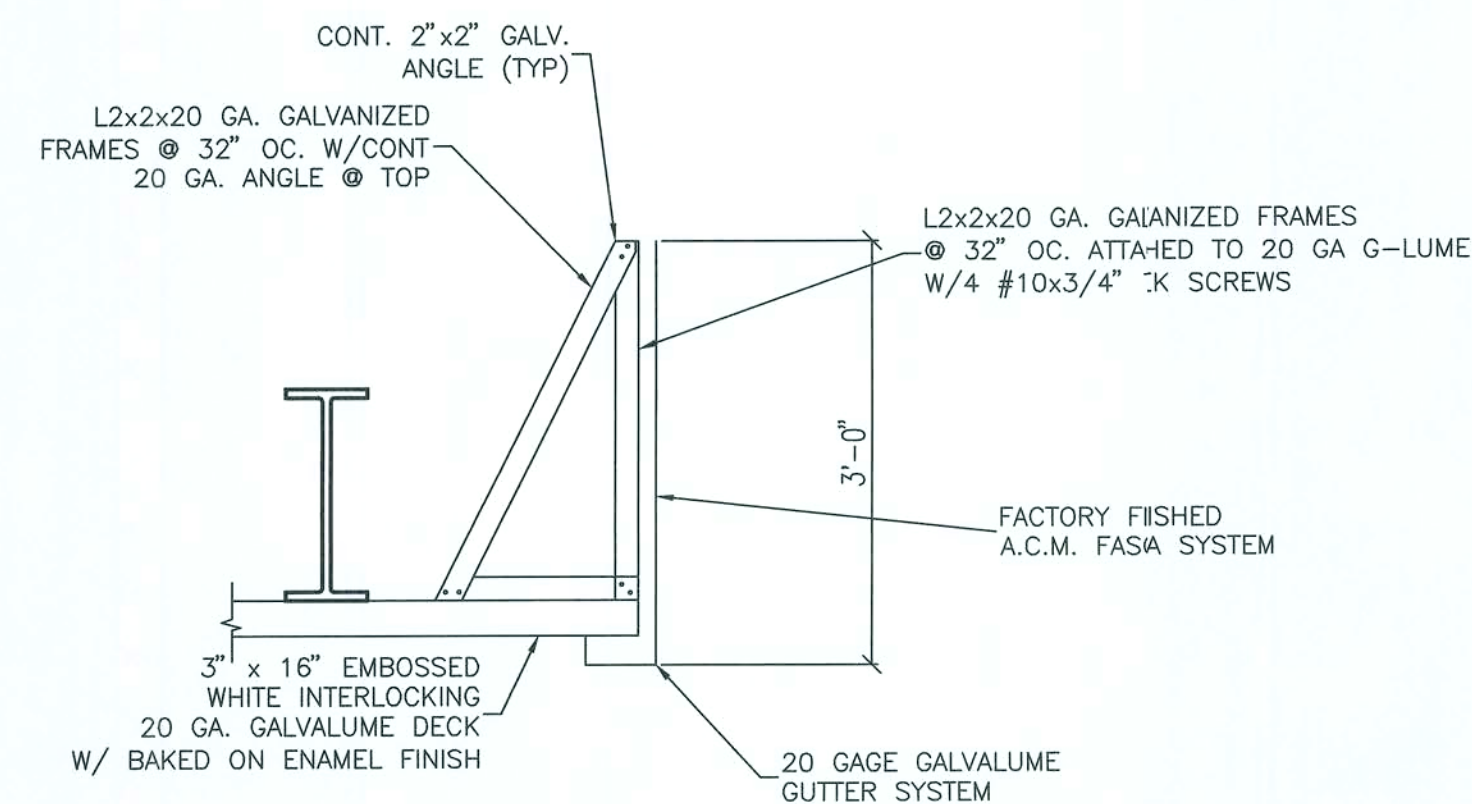
DESCRIPTION
DATE
REV.

AUSTIN ACE, P.E.
5908 ORCHARD POND DRIVE
ORANGE PARK, FL 32003
(904) 716-3661
CAN 8341

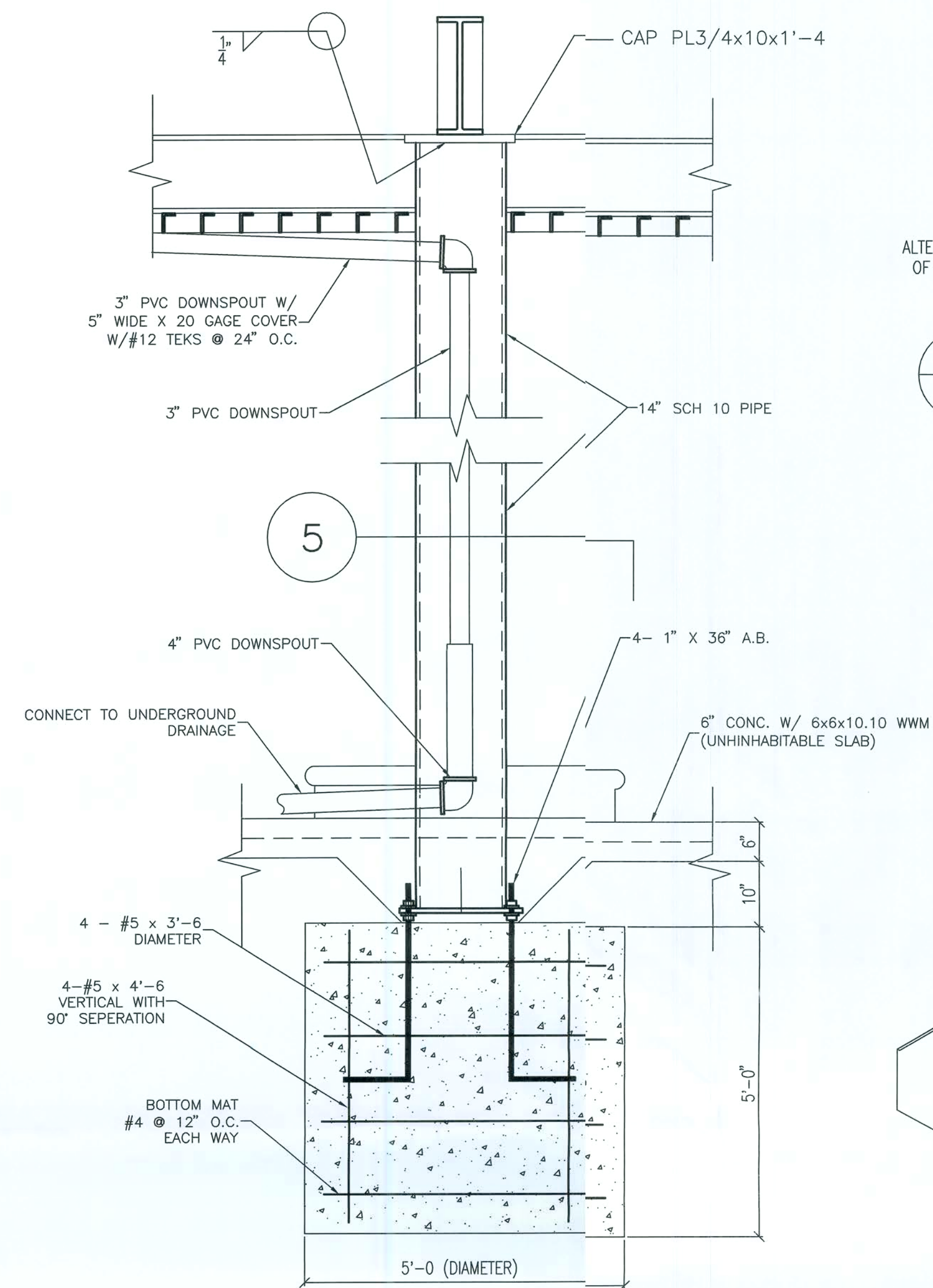
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MAY 18 2007

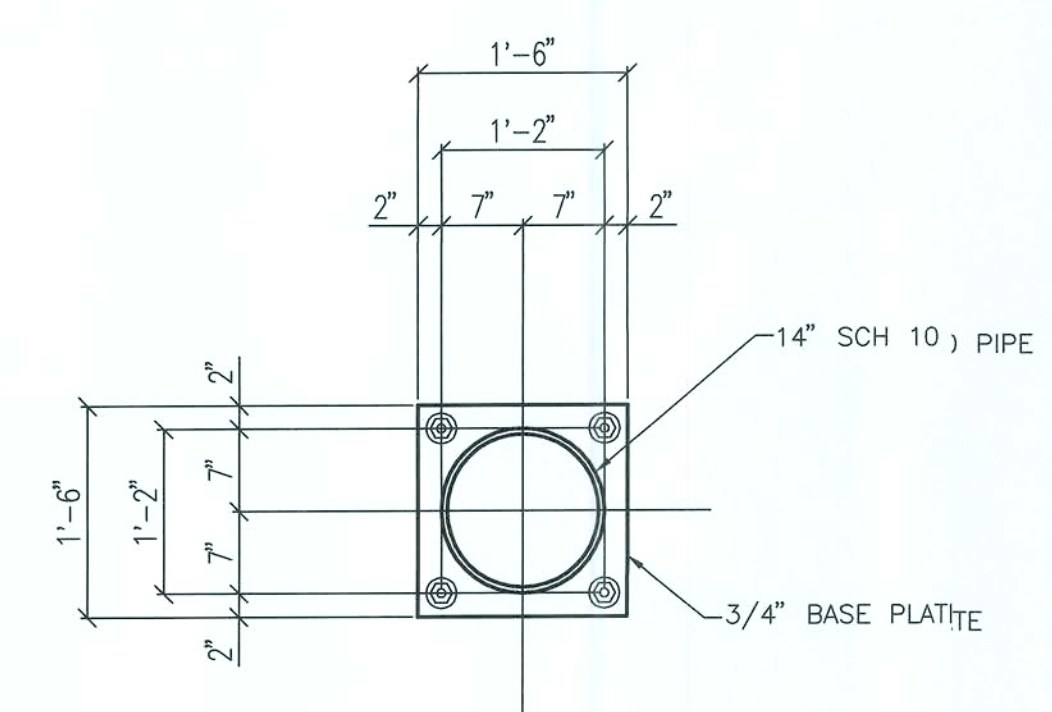
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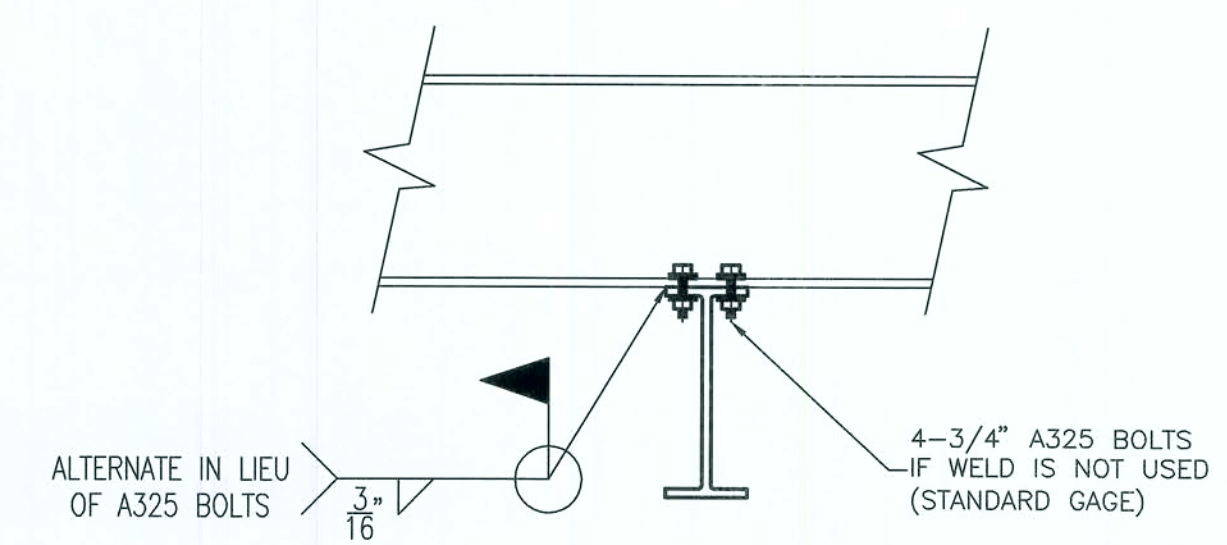
2 SECTION
S-4 SCALE: 3/4" = 1'-0



3 FOOTING DETAIL
S-4 SCALE: 3/4" = 1'-0



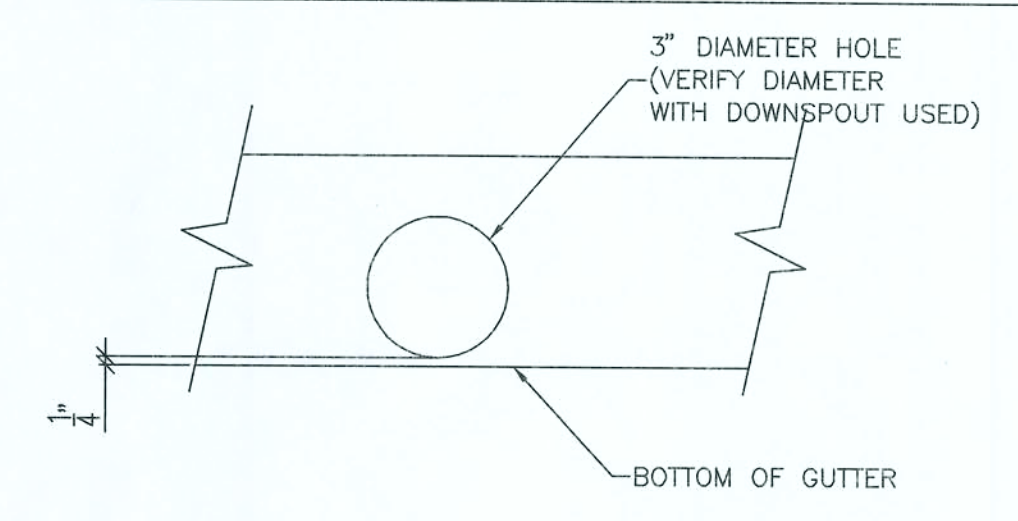
5 FOOTING DETAIL
S-4 SCALE: 3/4" = 1'-0



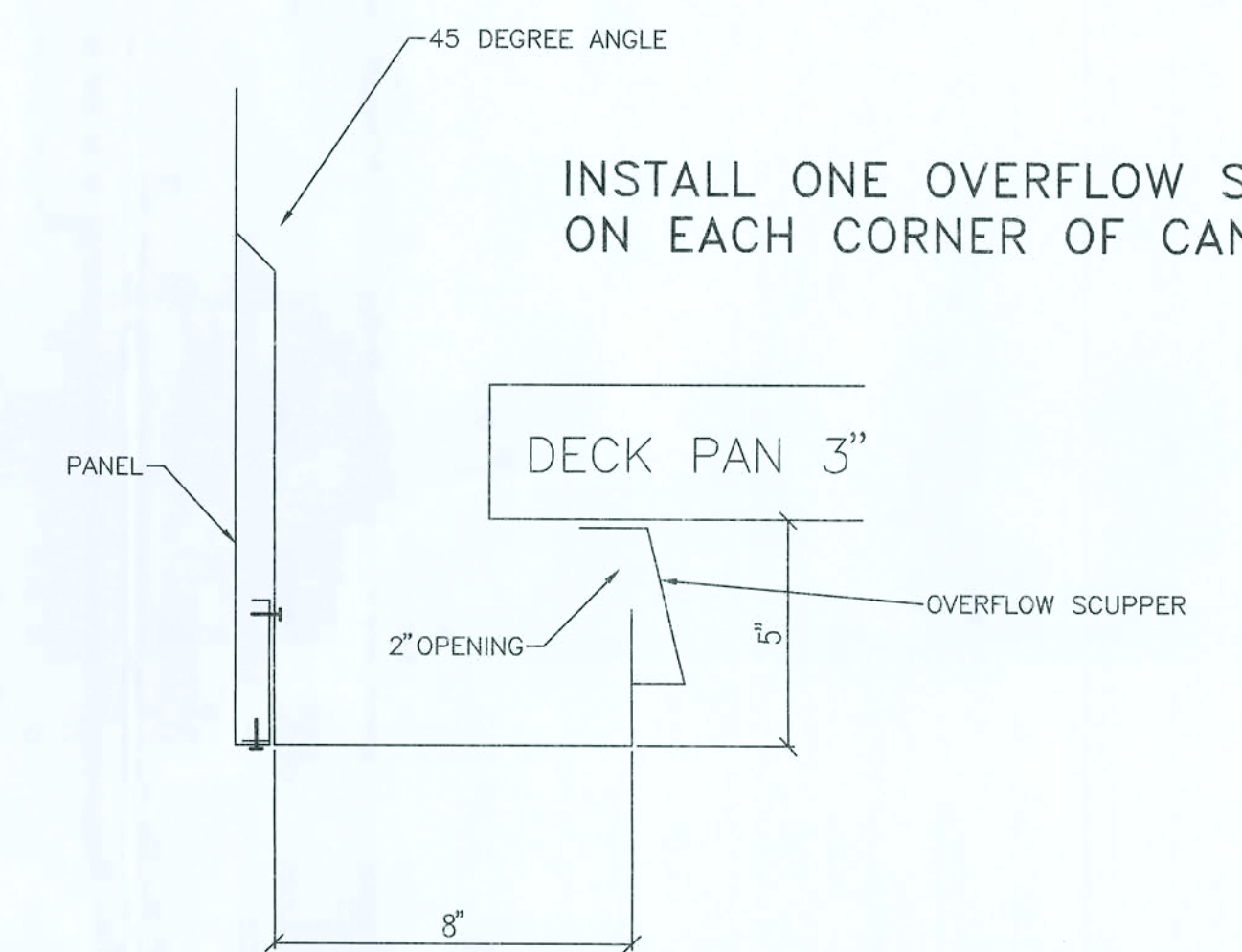
4 FLANGE TO FLANGE
S-4 BEAM CONNECTION
SCALE: NONE

NOTES:
BOLTS TO BE A325 x 2 1/2"
W/ WASHERS EACH SIDE
(4 BOLTS PER CONNECTION)

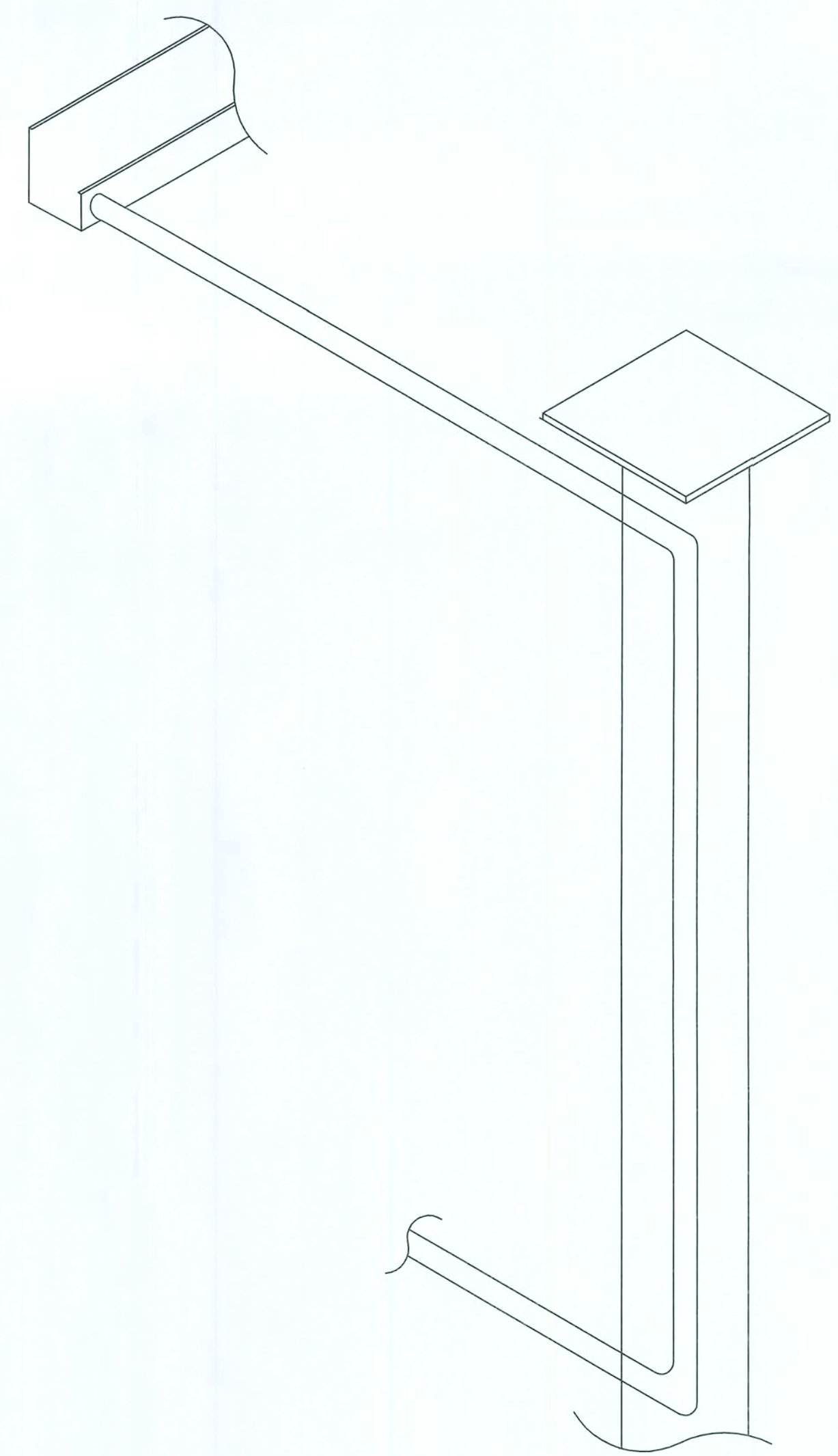
CONNECTIONS MAY BE WELDED IN
LIEU OF BOLTED. ALL WELDS
SHALL BE IN ACCORDANCE WITH
AWS SPECIFICATIONS.



6 DOWNSPOUT TO GUTTER
S-4 HOLE ELEVATION
SCALE: NONE



7 SCUPPER DETAIL
S-4 SCALE: NONE



8 DRAINAGE ISOMETRIC
S-4 (DOWNSPOUT ISOMETRIC)
SCALE: NONE

AUSTIN ACE, P.E. 5908 ORCHARD POND DRIVE ORANGE PARK, FL 32003 (904) 716-3661 CAN 8341	
DESCRIPTION	
DATE	
REV.	
NEW 24' x 52' CANOPY 923 S.E. STATE ROAD 100 LAKE CITY, FLORIDA 32025 SECTIONS AND DETAILS	
CARR-TECH INDUSTRIES, INC. 5988 COLLINS ROAD Jacksonville, Florida 32244 (904) 771-2340	
5-17-2007	
OWN. BY SC	
DATE 5-07	
CK'D BY D.H.	
DATE 5-07	
JOB NO.	
DWG. NO.	S-3

MAY 18 2007