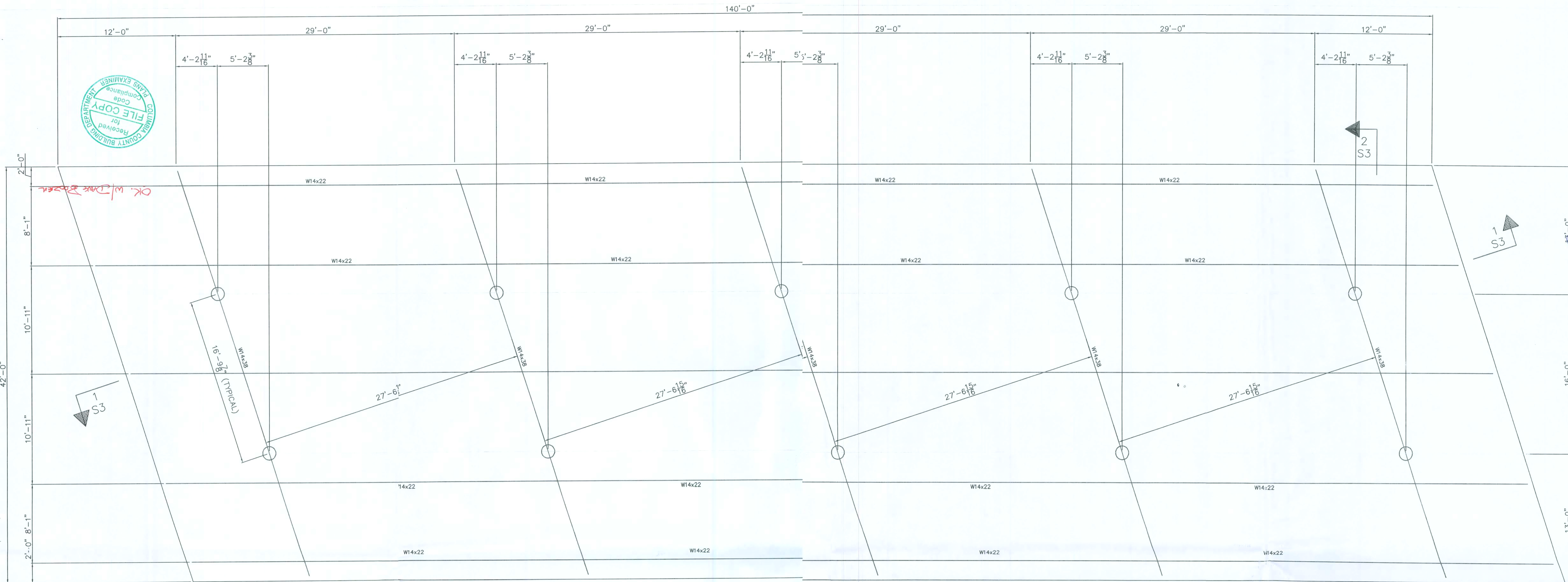




CANOPY STEEL PLAN R.V.I. LEVEL E FASCIA SYSTEM

SEE SECTION 2/S4 FOR SECTION AT PERIMETER OF CANOPY
SEE SECTION 3/S4 FOR SECTION AT COLUM SHOWING FOOTING
SEE SECTION 4/S4 FOR FLANGE TO FLANGE CONNECTION ON BEAMS
SEE SECTION 5/S4 FOR DETAIL OF COLUMNBASE PLATE
SEE SECTION 6/S4 FOR DOWNSPOUT TO GUTER HOLE ELEVATION
SEE SECTION 7/S4 FOR SCUPPER DETAIL
SEE SECTION 8/S4 FOR COLUMN ISOMETRICWITH PVC DRAIN

DESIGN CRITERIA:

* INSTALL NEW 42'x140' PARALLELLOGRAM CANOPY
* DESIGN FOR FLA. BUILDING CODE 2007 & ASCE 7-05
* WIND LOAD PER LOCAL CRITERIA = 110 MPH
* BUILDING CATEGORY I -- MONO SLOPE FREE ROOF
* EXPOSURE CATEGORY C
* 12 PSF PER SQ FT LIVE ROOF LOAD
* TYPE "M" BUILDING -- COCC. 310.1
* TYPE IV CONSTRUCTION SEC. 606 -- GROUP "M"
OCCUPANCY
WIND LOADS--OPEN BUILDINGS PER ASCE 7-05
COMPONENTS & CLADDING--ROOF PRESSURES, $p_s=4.2$ FT:
* BASE PRESSURE, $q_h = 18.4$ psf (CLEAR WIND FLOW)
* MAX. NEGATIVE WIND LOADS, ZONE 3 (>17.6 or $=70.6$ SF) = -26.7 PSF
* MAX. POSITIVE, ZONE 3 (>17.6 or $=41$ SF) = 28.2 PSF
FASCIA PANELS--HORIZONTAL PRESSURES, $q_p=15.1$ PSF:
* WINDWARD FASCIA: 22.7 PSF
* LEEWARD FASCIA: -15.1 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 2007 FLORIDA BUILDING CODE, UNLESS OTHERWISE NOTED)

- LIVE ROOF LOAD ----- 12PSF
- WIND LOAD ----- 110 MPH
- 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)
- ZONE 3 COMPONENT AND CLADDING LOADS ARE LOCATED AROUND PERIMETER OF MONOSLOPE ROOF, "a" WIDTH WIDE.

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 UNLSES OTHERWISE NOTED. (USE LOW HYDROGEN RODS IF A992 STEEL IS USED)
- 3" X 16" CHREOKEE 20 GAGE DECK TO BE ATTACHED TO PURLINS WITH DECK CLAMPS AS LISTED ABOVE
- ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS

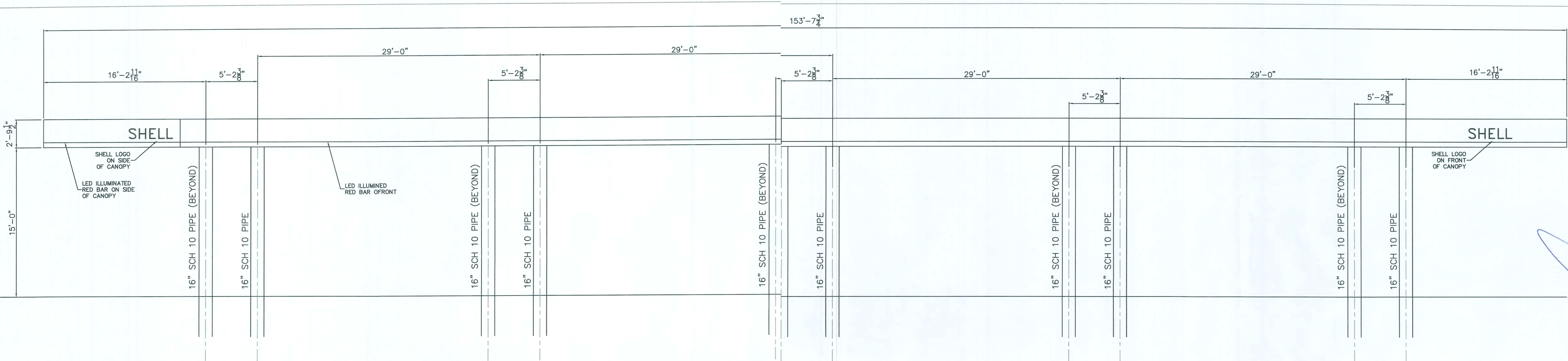


S & S STORE #38 12' x 140' CANOPY
14170 SOUTH U.S. 441
LAKE CITY (COLUMBIA COUNTY), FL 32024
STEEL FRAMING PLAN, ELEVATIONS AND NOTES

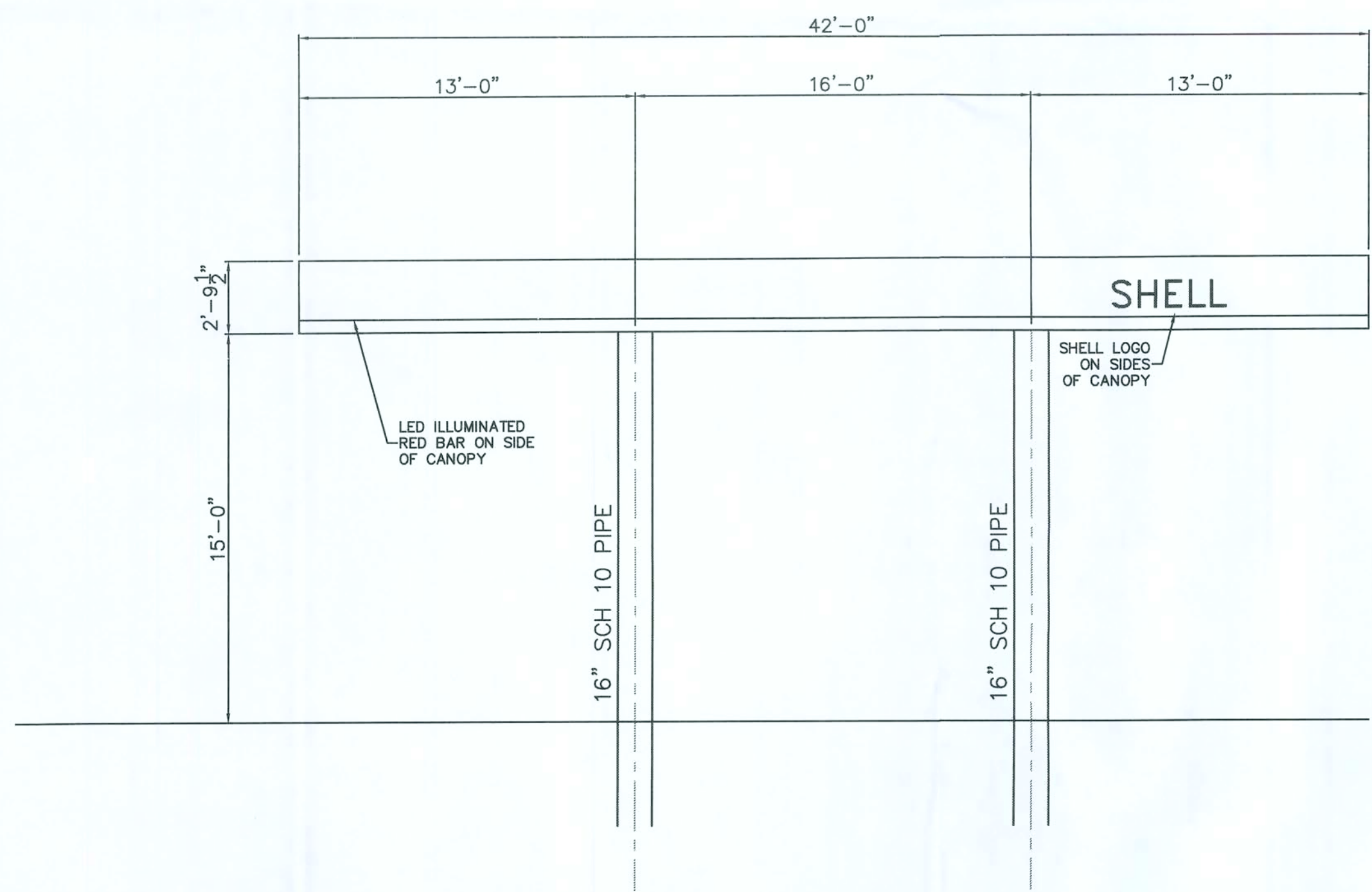
CARR-TECH INDUSTRIES, INC.
5988 COLLINS ROAD
Jacksonville, Florida 32244
(904) 771-2340

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

SC
11-09
DH
11-09

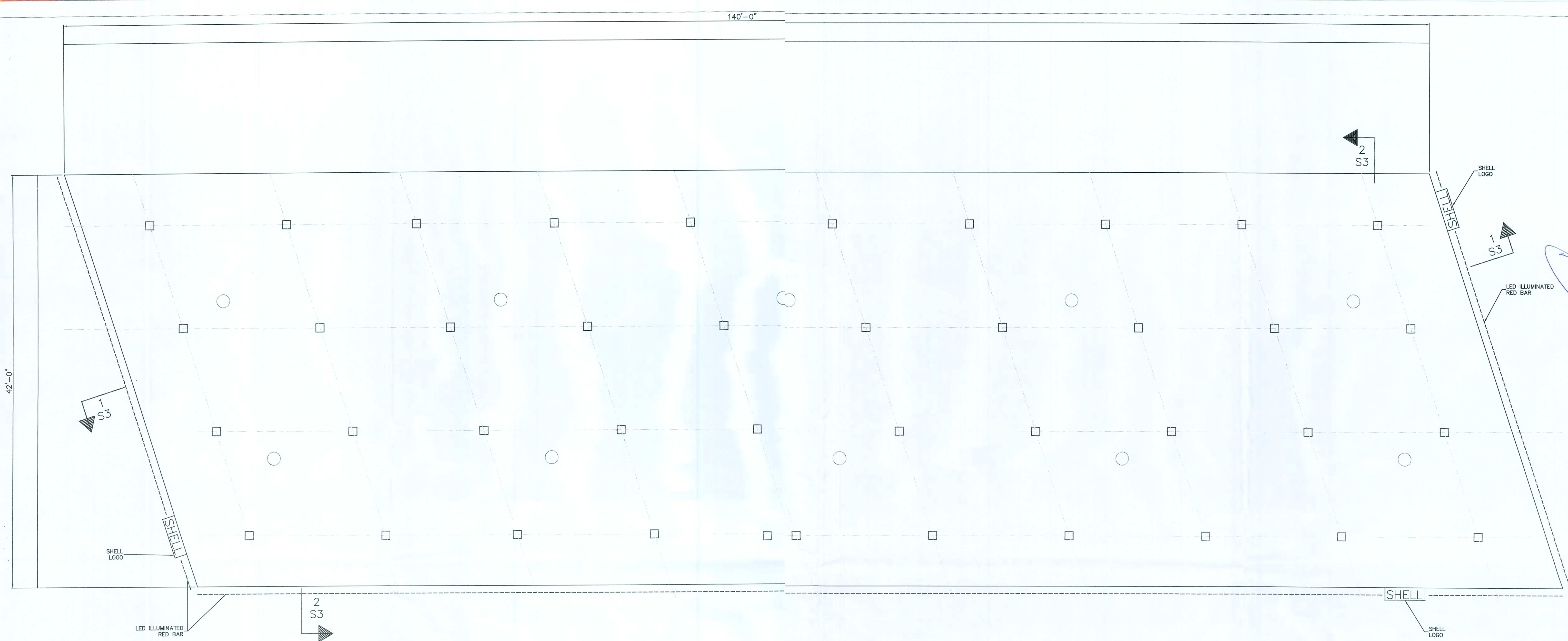


CANOPY FRONT ELEVATION
R.V.I. LEVEL E FASCIA SYSTEM



CANOPY SIDE ELEVATION
R.V.I. LEVEL E FASCIA SYSTEM

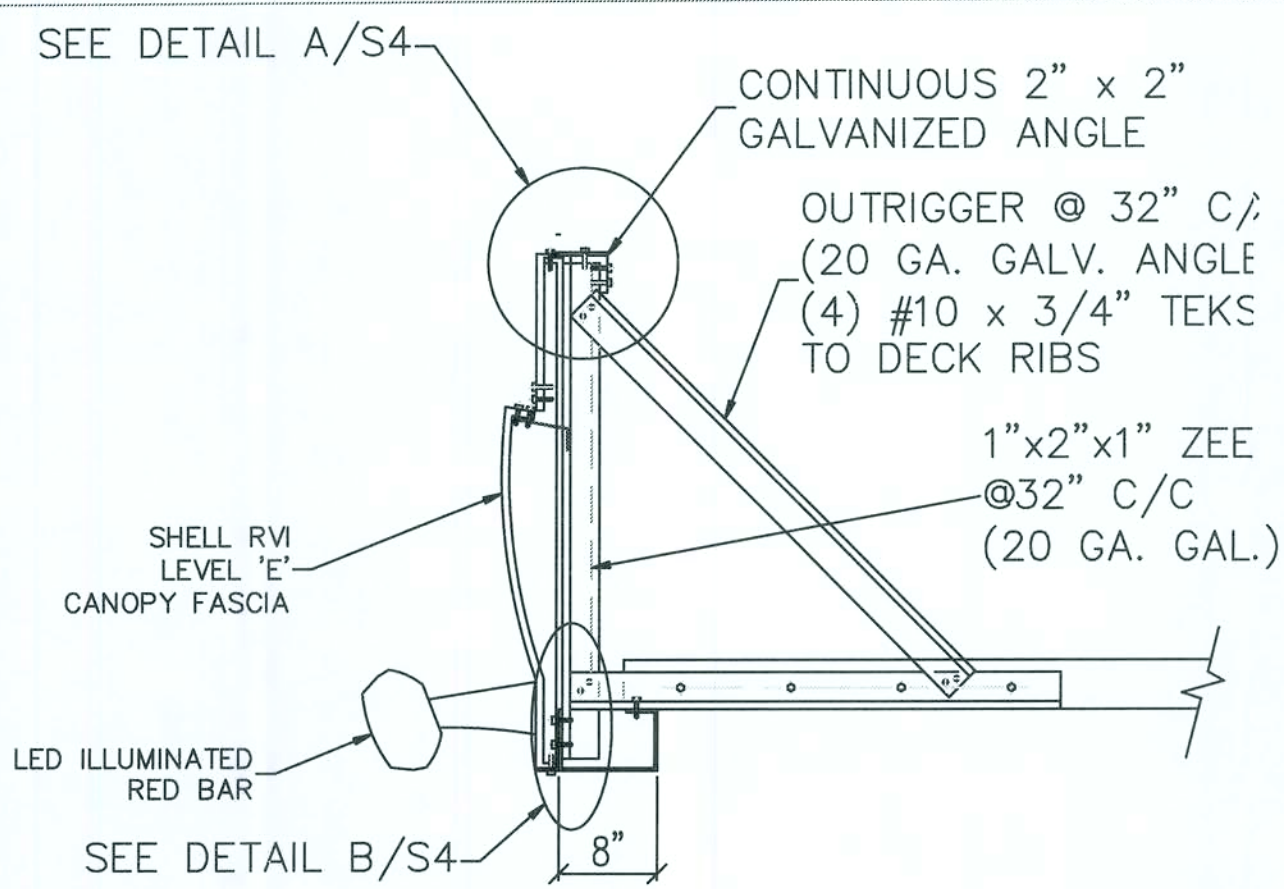
CARR-TECH INDUSTRIES, INC. 5988 COLLINS ROAD Jacksonville, Florida 32244 (904) 771-2340	S & S STORE #38 42' x 140' CANOPY 14170 SOUTH U.S. 441 LAKE CITY (COLUMBIA COUNTY), FL 32024 STEEL FRAMING PLAN, ELEVATIONS AND NOTES		DWN. BY: SC DATE: 11-09 CK'D BY: DH DATE: 11-09
	REV. DATE _____ _____ _____		JOB NO. _____ DWG. NO. S-2
AUSTIN ACE, P.E. 5908 ORCHARD POND DRIVE ORANGE PARK, FL 32003 (904) 716-3661 CAN-8341		DEC 4 2009	



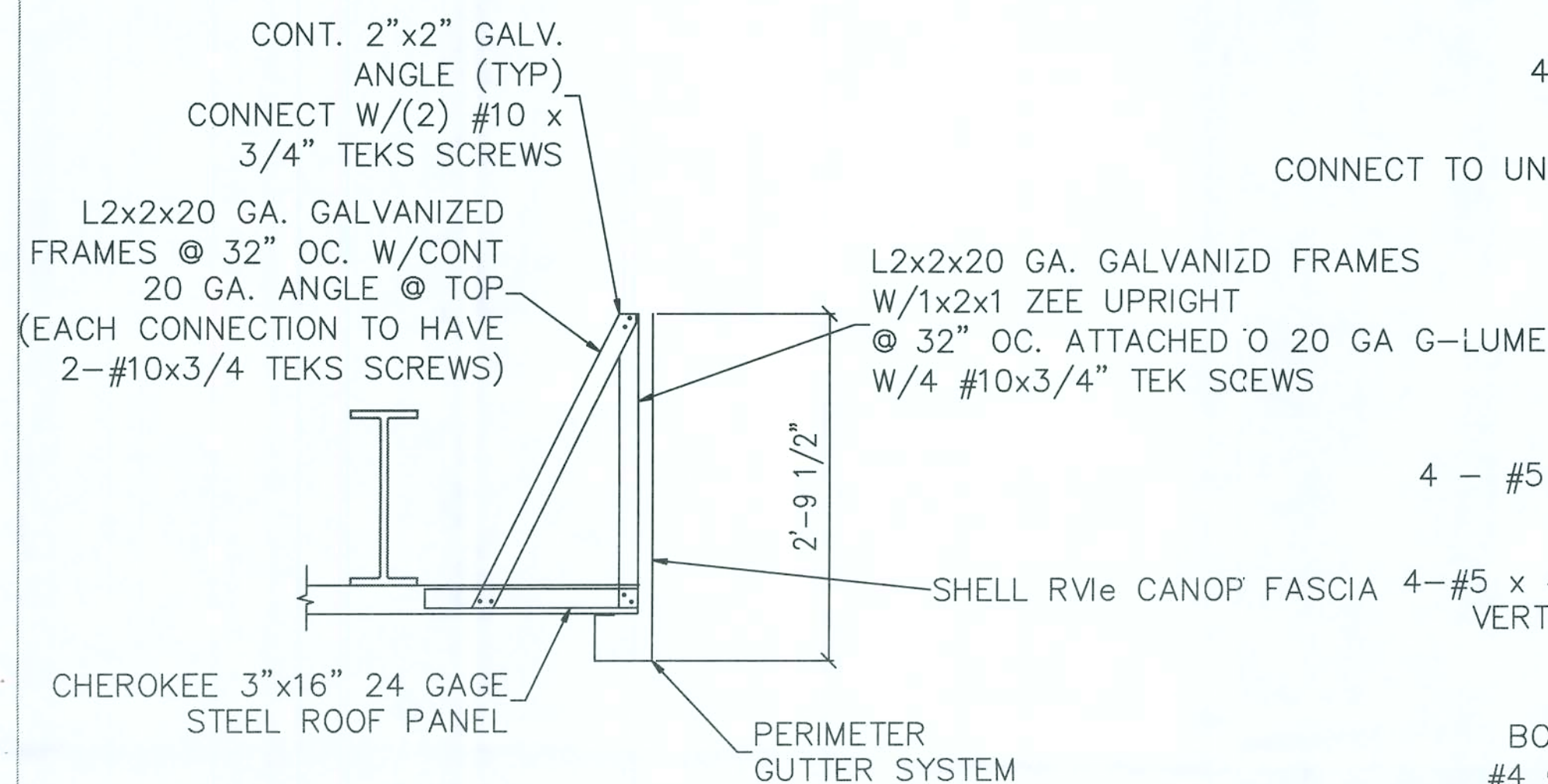
CANOPY LIGHTING PLAN
R.V.I. LEVEL E FASCIA SYSTEM

- NOTES:
1. PROVIDE (1) OVERFLOW SCUPPER @ EACH CORNER
 2. PROVIDE (40) NEW 400W SCOTTSDALE LIGHTS
 3. ALLOW 10 - 20A CIRCUITS FOR LIGHTS
 4. 5. 3/4" CONDUITS ARE EXISTING FROM CANOPY TO SSTORE PANEL
 6. ELECTRICIAN TO PULL SEPARATE PERMIT FOR ELECTRIC

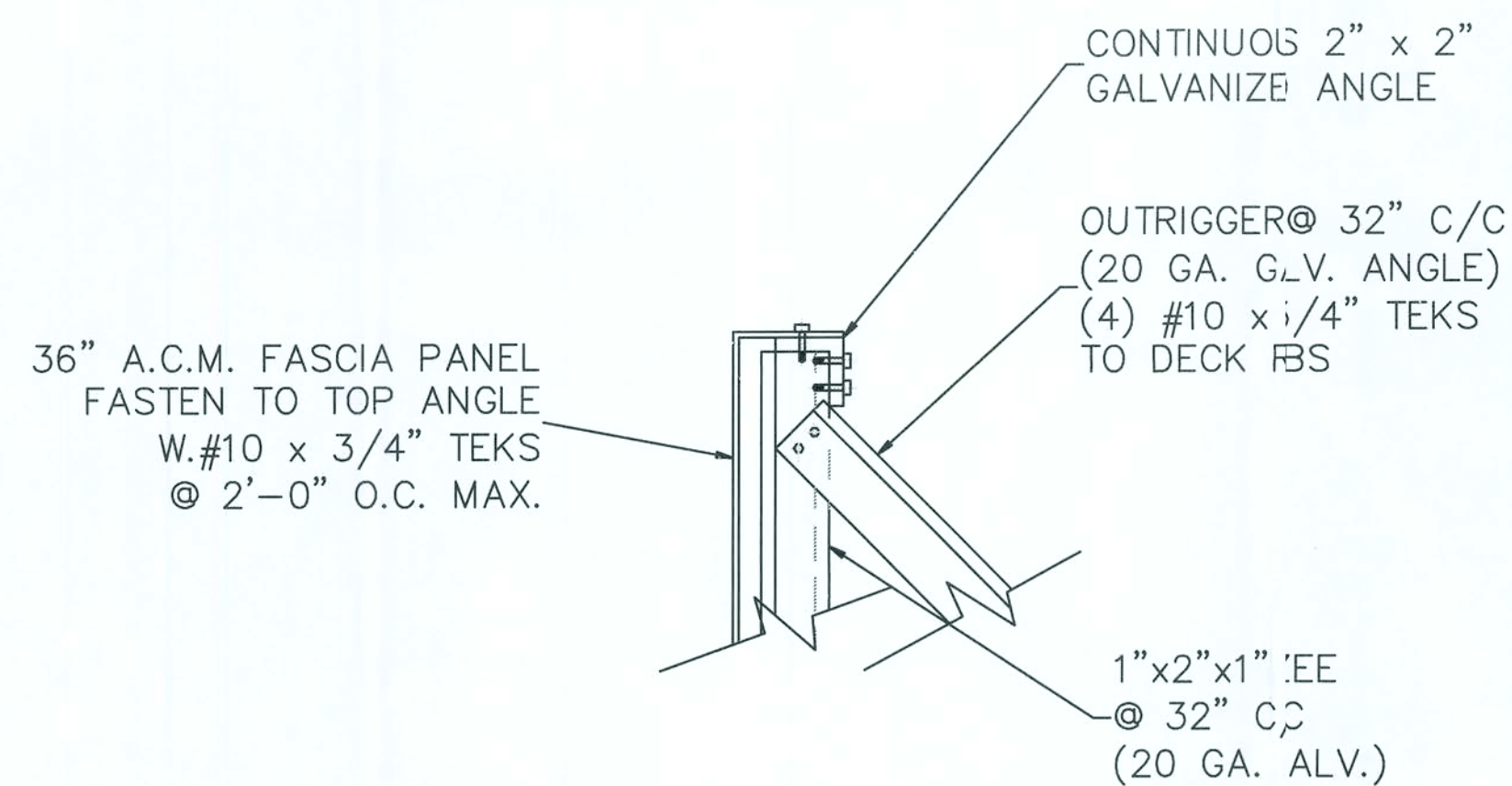
CARR-TECH INDUSTRIES, INC. 5988 COLLINS ROAD Jacksonville, Florida 32244 (904) 771-2340	S & S STORE #38 42' x 140' CANOPY 14170 SOUTH U.S. 441 LAKE CITY (COLUMBIA COUNTY), FL 32024 CANOPY LIGHTING PLAN AND NOTES	AUSTIN ACE, P.E. 5908 ORCHARD POND DRIVE ORANGE PARK, FL 32003 (904) 716-3661 CAN-8341	DESCRIPTION	DATE	REV.
			DATE	REV.	
DWN. BY SC DATE 11-09 CK'D BY D H DATE 11-09			DEC 22 2009		
JOB NO.			DWG NO. S-3		



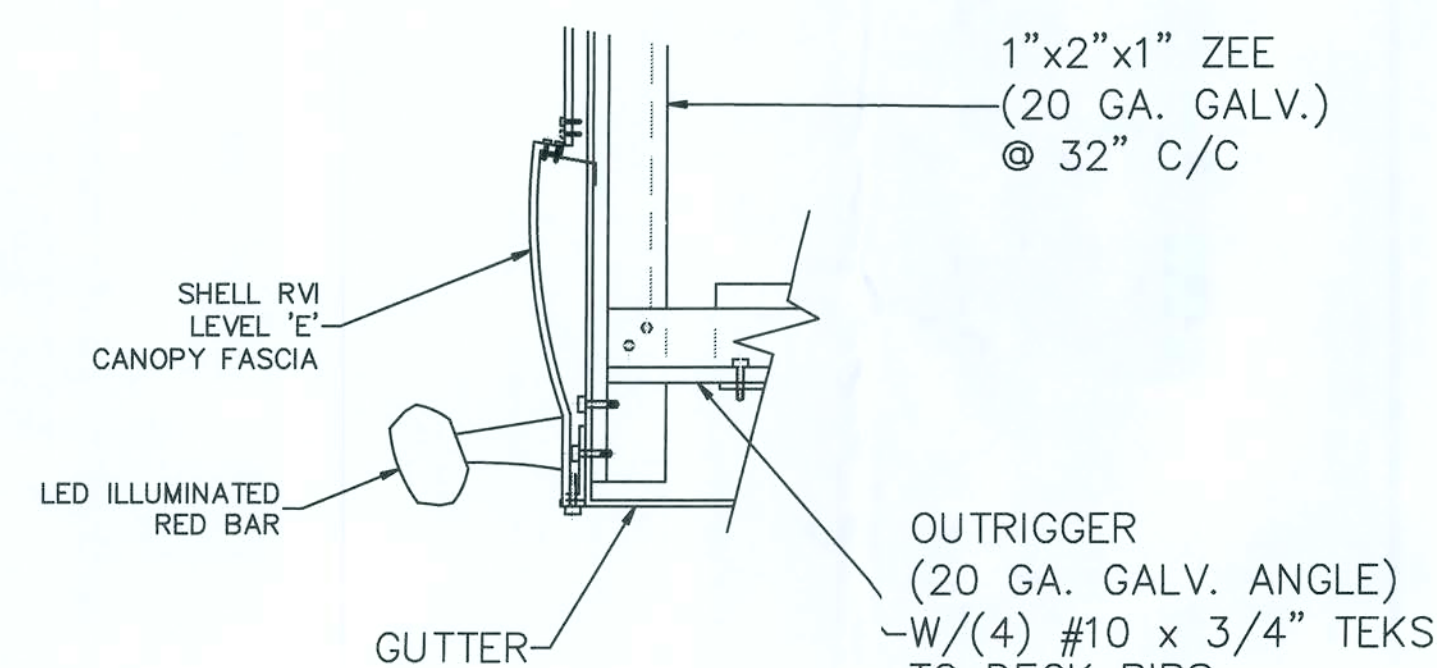
1 TYPICAL A.C.M. FRAME DETAIL
S-4 ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS
W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS



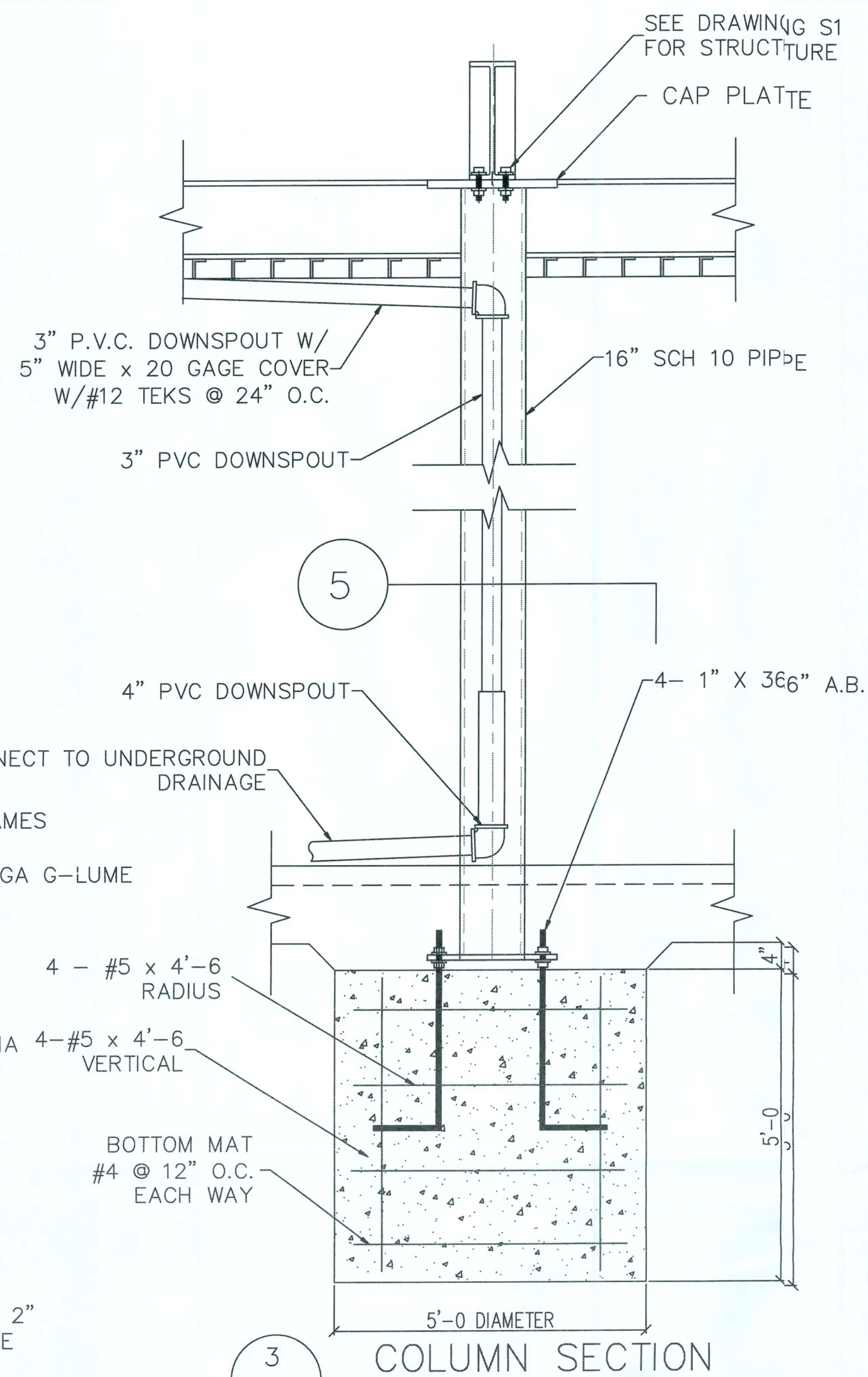
2 SECTION
S-4 ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS
W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS



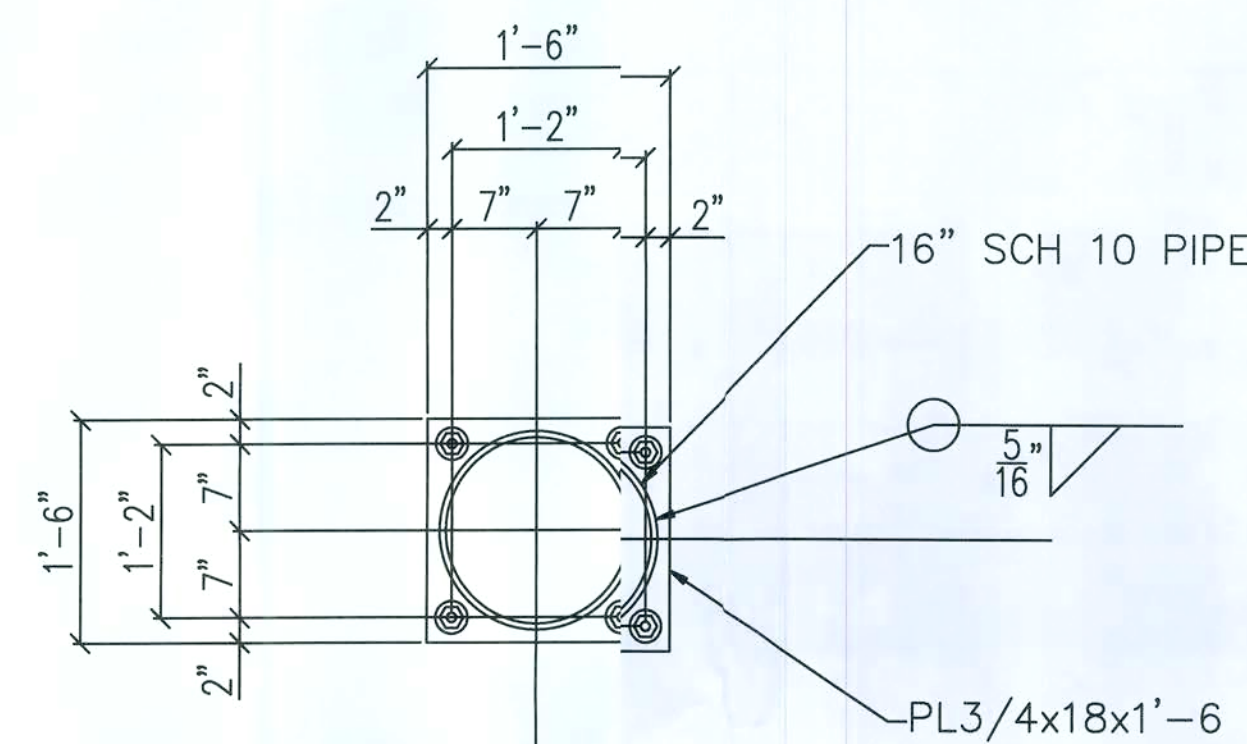
A A.C.M. FRAME DETAIL A
S-4 ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS
W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS



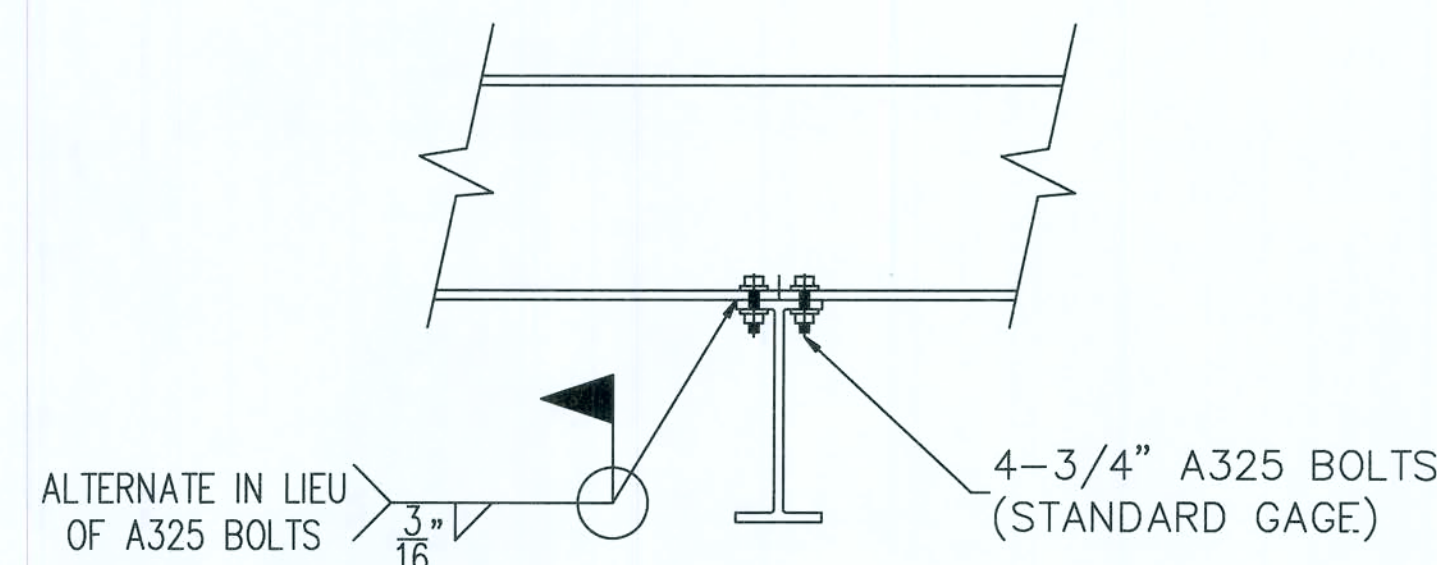
B A.C.M. FRAME DETAIL B
S-4 ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS
W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS



3 COLUMN SECTION
S-4



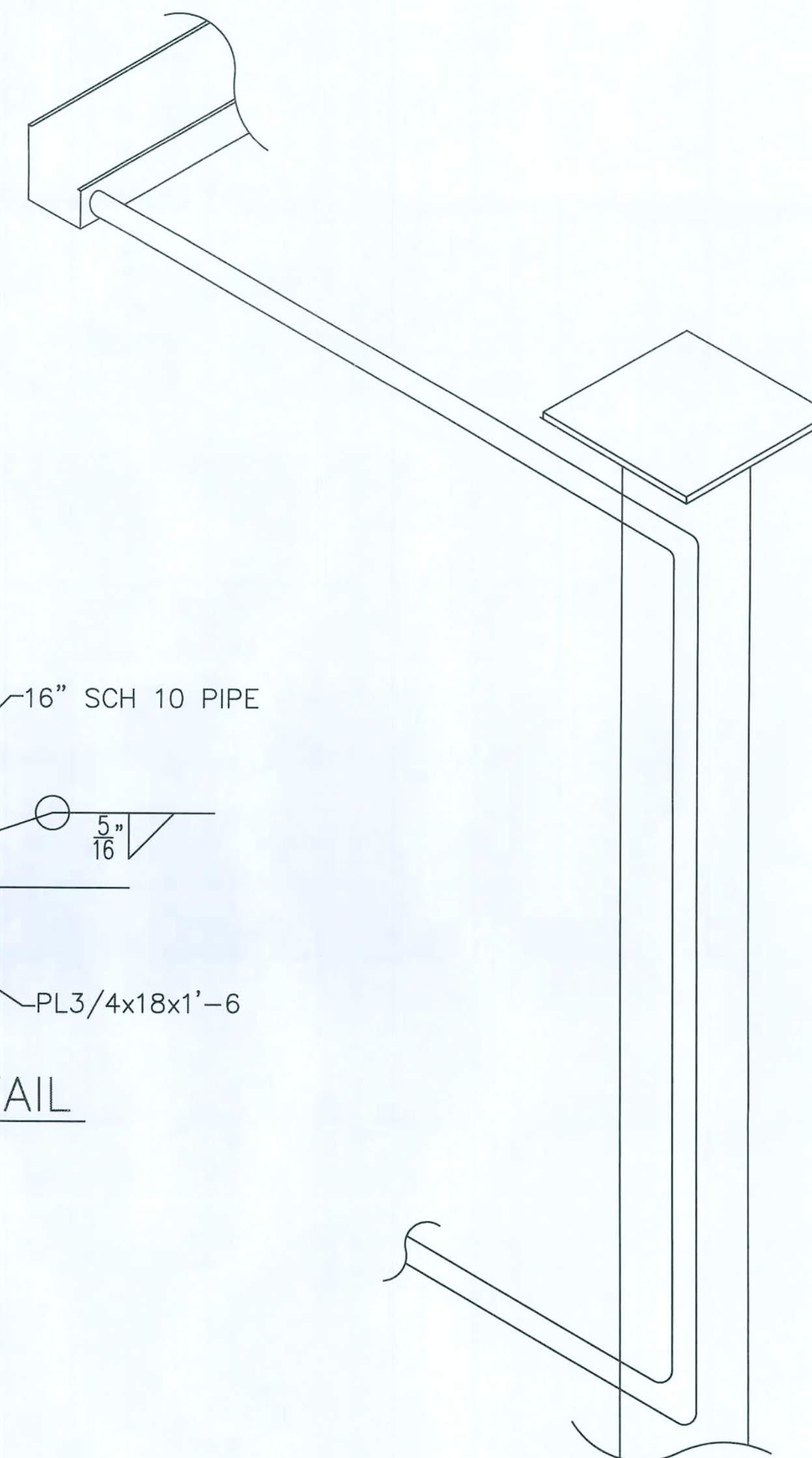
5 FOOTING DETAIL
S-4



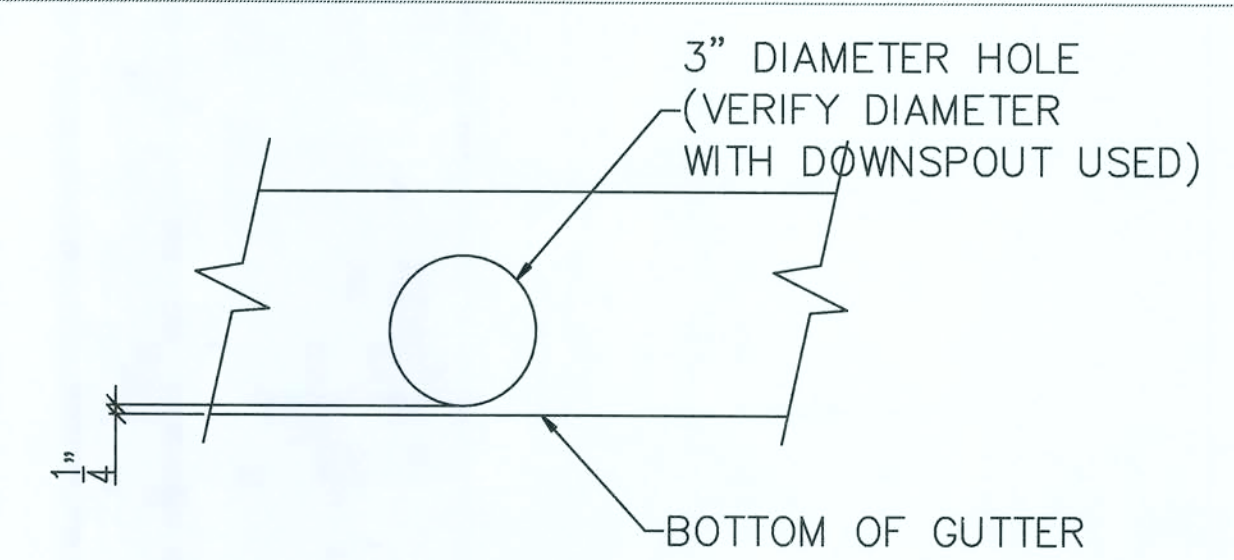
4 FLANGE TO FLANGE BEAM CONNECTION
S-4 SCALE: NONE

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

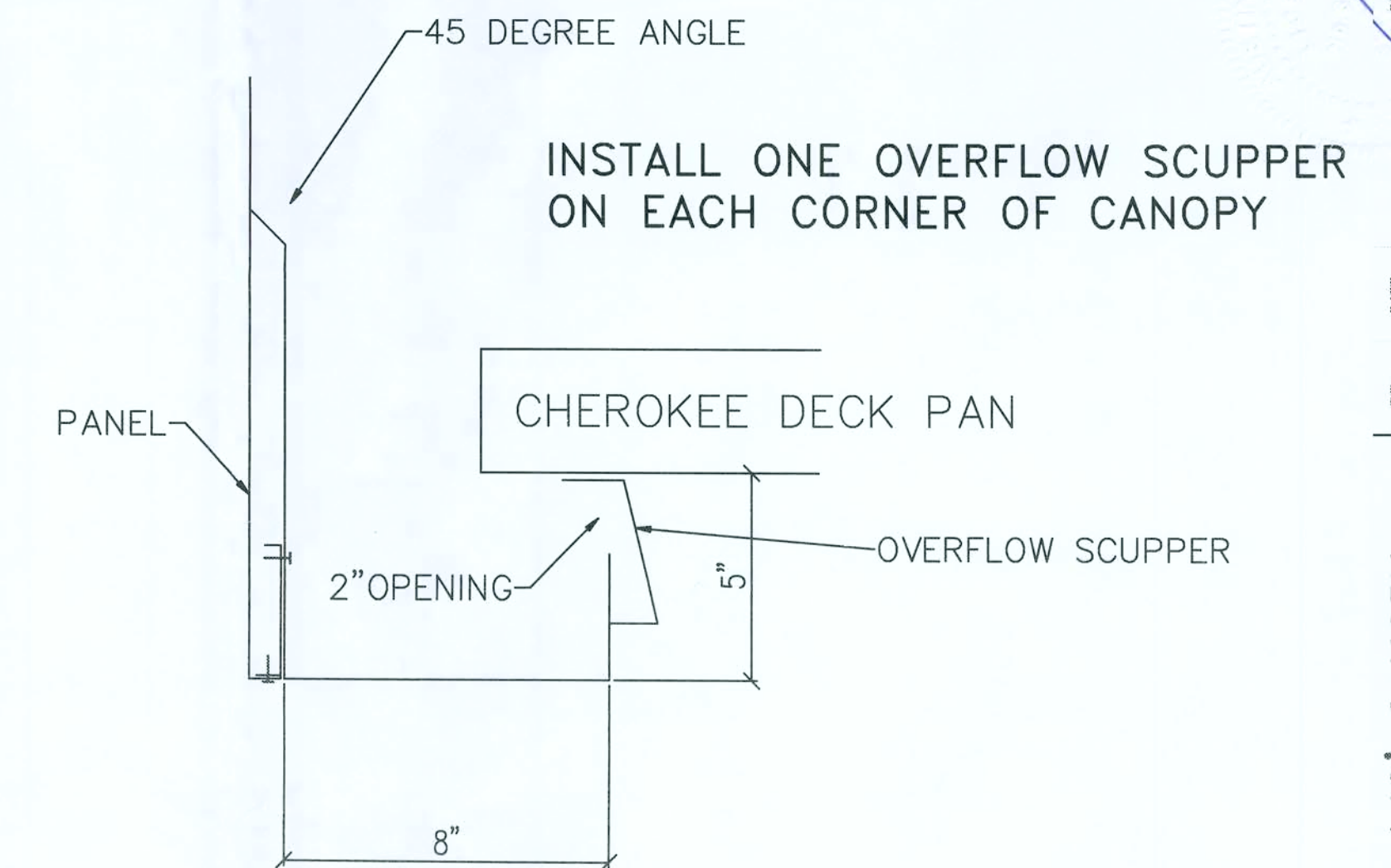
CONNECTIONS MAY BE WELDED IN LIEU OF BOLTED. ALL WELDS SHALL BE IN ACCORDANCE WITH AWS SPECIFICATIONS.



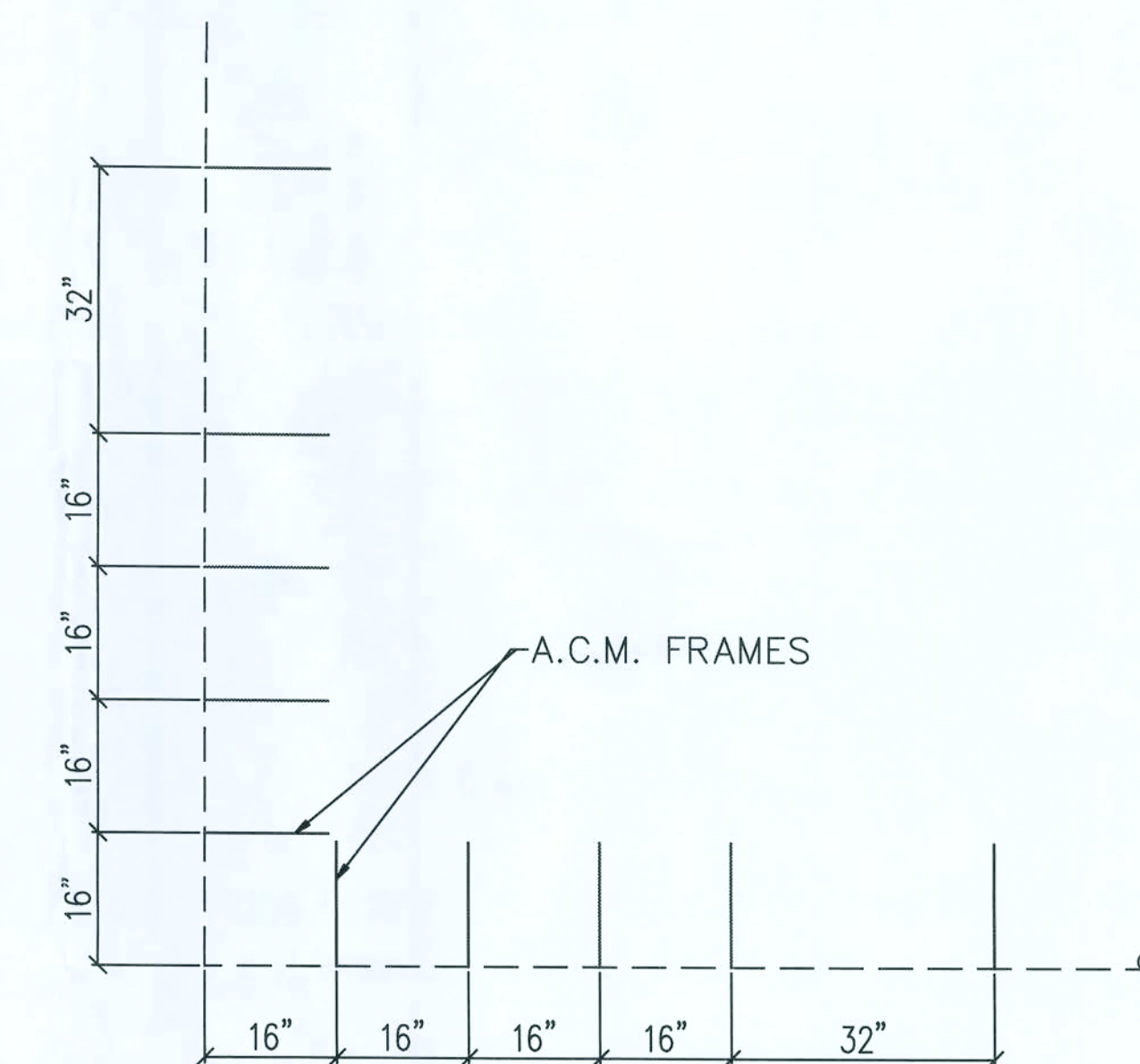
8 DRAINAGE ISOMETRIC (DOWNSPOUT ISOMETRIC)
S-4 SCALE: NONE



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



7 SCUPPER DETAIL
S-4 SCALE: NONE



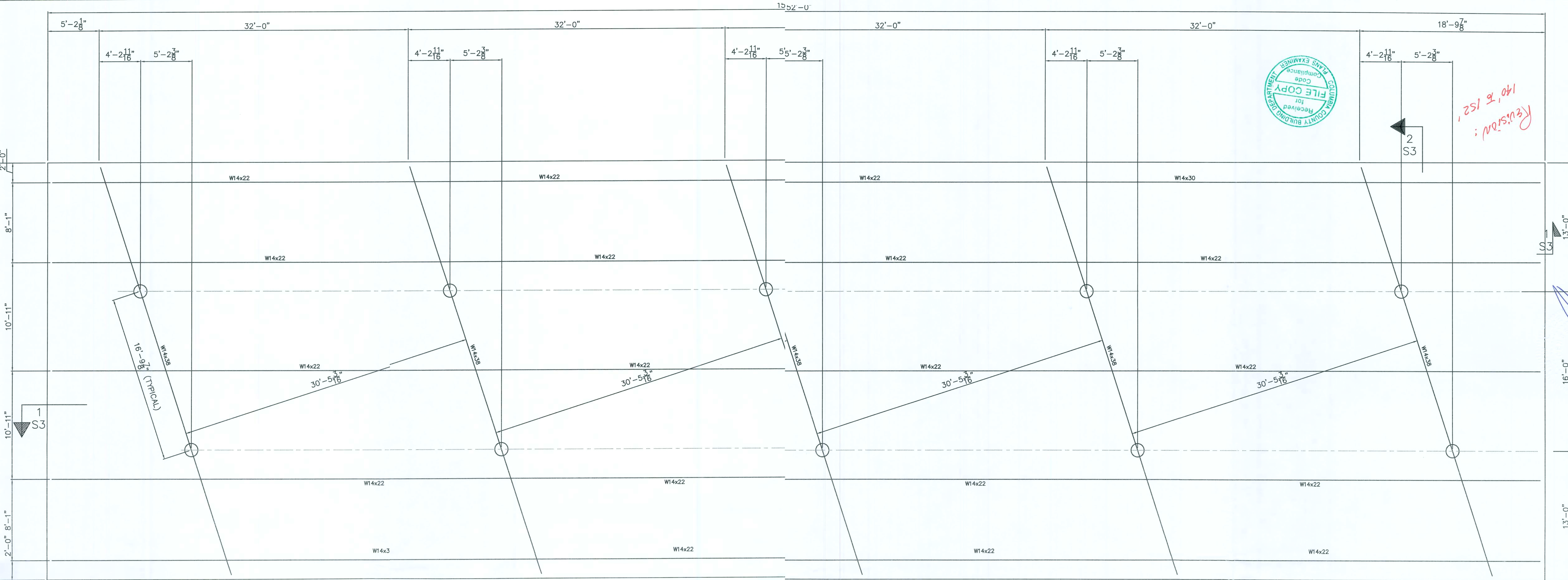
9 A.C.M. FRAME SPACING AT CORNERS
S-4 ACTUAL CORNERS SKEWED THIS DETAIL REPRESENTS SPACING DIMENSIONS OF FRAME AT CORNERS SLOPING CORNERS.

AUSTIN ACE, P.E.
1726 KINGSLEY AVENUE, SUITE, 19
ORANGE PARK, FL 32073
(904) 716-3661

S & S STORE #38 42' X 140' CANOPY
14170 SOUTH U.S. 441
LAKE CITY, FLORIDA 32024 (COLUMBIA COUNTY)
SECTIONS AND DETAILS

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

DWN. BY SC
DATE 11-09
CHK'D BY GKI
DATE 11-09
JOB NO.
DWG NO.
S-4



CANOPY STEEL PLAN
R.V.I. LEVEL E FASCIA SYSTEM

SEE SECTION 2/S4 FOR SECTION AT PERIMETER OF CANOPY
SEE SECTION 3/S4 FOR SECTION AT COLUM SHOWING FOOTING
SEE SECTION 4/S4 FOR FLANGE TO FLANG CONNECTION ON BEAMS
SEE SECTION 5/S4 FOR DETAIL OF COLUMBASE PLATE
SEE SECTION 6/S4 FOR DOWNSPOUT TO GUTER HOLE ELEVATION
SEE SECTION 7/S4 FOR SCUPPER DETAIL
SEE SECTION 8/S4 FOR COLUMN ISOMETRICWITH PVC DRAIN

DESIGN CRITERIA:

- * INSTALL NEW 42'x152' CANOPY
- * DESIGN FOR FLA. BUILDING CODE 2007 & ASCE 7-02
- * WIND LOAD PER LOCAL CRITERIA = 110 MPH
- * BUILDING CATEGORY I - MONO SLOPE FREE ROOF
- * EXPOSURE CATEGORY C
- * 12 PSF PER SQ FT LIVE ROOF LOAD
- * TYPE "M" BUILDING - OCC. 310.1
- * TYPE IV CONSTRUCTION SEC. 606 - GROUP "M" OCCUPANCY
- * WIND LOADS-OPEN BUILDINGS PER ASCE 7-05
- * COMPONENTS & CLADDING-ROOF PRESSURES, $q=3.0$ FT:
- * BASE PRESSURE, $q_h = 27.0$ psf (CLEAR WIND FLOW)
- * MAX. NEGATIVE WIND LOADS, ZONE 3 ($>9 \leq 36$ SF) = -39.0 PSF
- * MAX. POSITIVE, ZONE 3 ($>10.2 \leq 41$ SF) = 41.3 PSF
- * FACIA PANELS-HORIZONTAL PRESSURES, $q_p=27.0$ PSF:
- * WINDWARD 40.4 PSF
- * LEEWARD -27.0 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 2007 FLORIDA BUILDING CODE, UNLESS OTHERWISE NOTED)

1. LIVE ROOF LOAD ----- 12PSF
2. WIND LOAD ----- 110 MPH
3. ALLOWABLE UNIT STRESS:
 - A) CONCRETE ----- 3000 PSI
 - B) REBAR ----- ASTM A3615 GRADE 10 & A305
 - C) HIGH TENSILE BOLTS ----- A325
 - D) WELD ELECTRODES ----- A233, CLASS E70XX
 - E) SOIL BEARING ----- 2,500 PSF
 - F) STEEL DESIGN ----- CURRENT AISC MANUAL (A36)

GENERAL STRUCTURAL NOTES:

1. UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM COVER FOR REBAR SHALL BE AS FOLLOWS:
 - FOOTINGS; ----- 3"
 - SLAB ON GRADE; -- CENTERED
2. ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE.
3. IF FOOTING ELEVATIONS SHOWN OCCUR IN A DISTURBED, UNSTABLE OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED
4. ALL WELDS ARE 3/16" FILLET WELDS UNLSSES OTHERWISE NOTED. (USE LOW HYDROGEN RODS IF A992 STEEL IS USED)
5. 3" X 16" CHREOKEE 20 GAGE DECK TO BE ATTACHED TO PURLINS WITH DECK CLAMPS AS LISTED ABOVE
6. ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS

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

REV.	DATE	DESCRIPTION
1	11-12	REVISED CANOPY SHAPE
2	11-12	REVISION: 140' to 152'

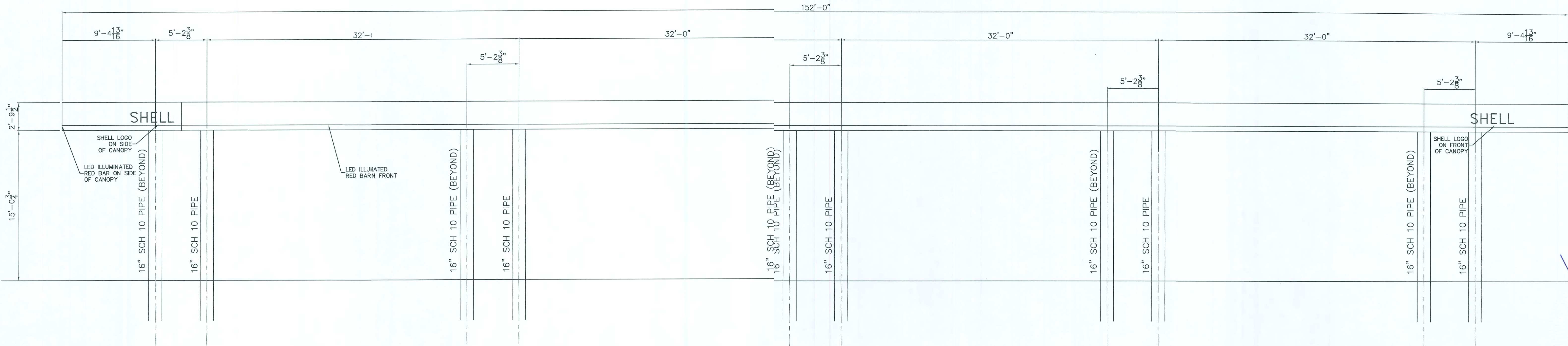
152' x 42' CANOPY
0 SOUTH U.S. 441
LUMBERIA COUNTY, FL 32024
AN. FIFVATIONS AND NOTES

S & S STORE
LAKE CITY
STEFFI FRAMING F

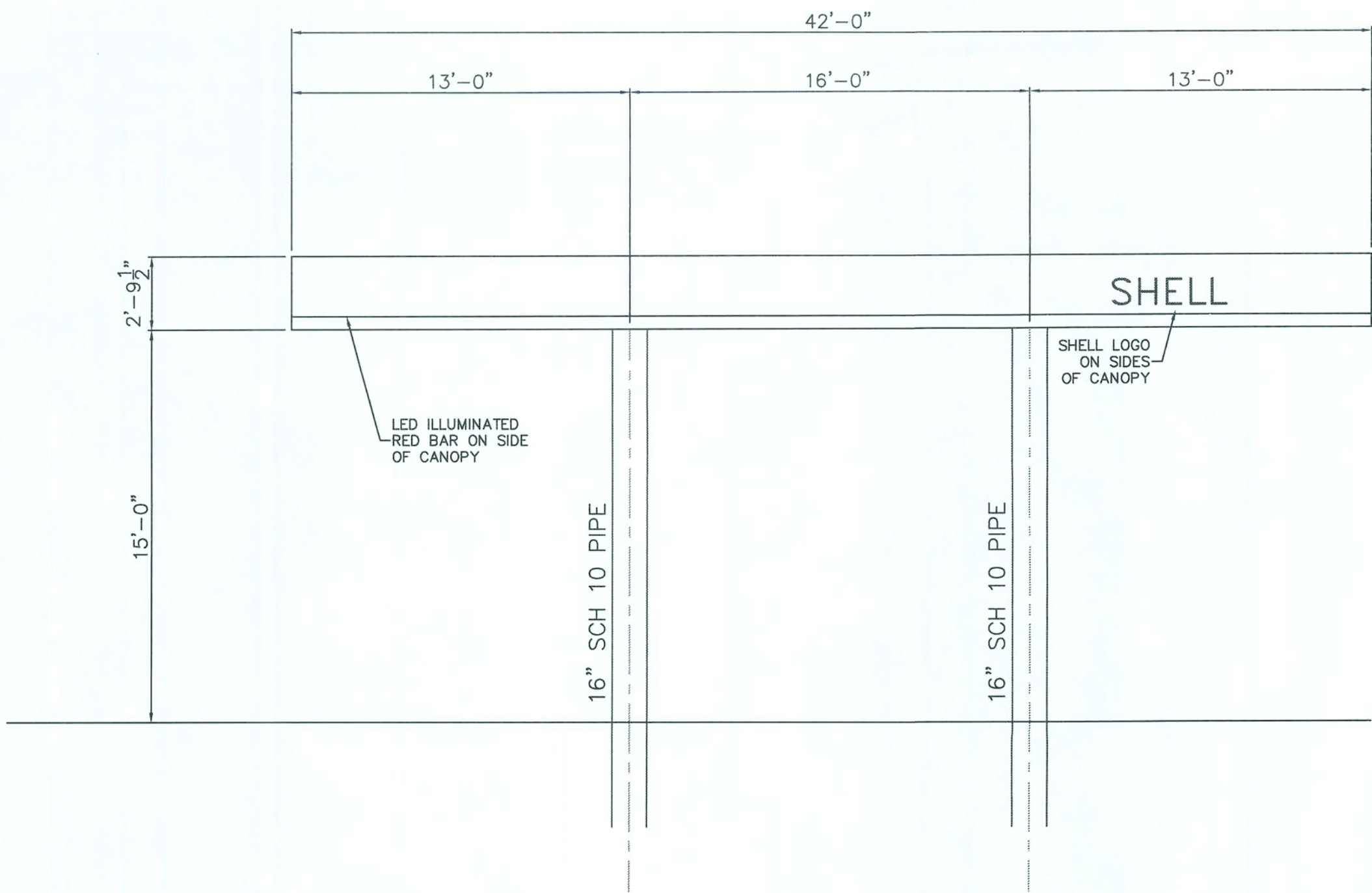
CARR-TECH INDUSTRIES, INC.
5988 COLLINS ROAD
Jacksonville, Florida 32244
(904) 771-2340

DWN. BY	SC
DATE	11-09
CHK'D BY	DH
DATE	11-09
JOB NO.	
DWG NO.	

S-1



CANOPY FRONT ELEVATION
R.V.I. LEVEL E FASCIA SYSTEM



CANOPY SIDE ELEVATION
R.V.I. LEVEL E FASCIA SYSTEM

OWN. BY SC
DATE 11-09
CHK'D BY D.H.
DATE 11-09

JOB NO.

DWG NO.

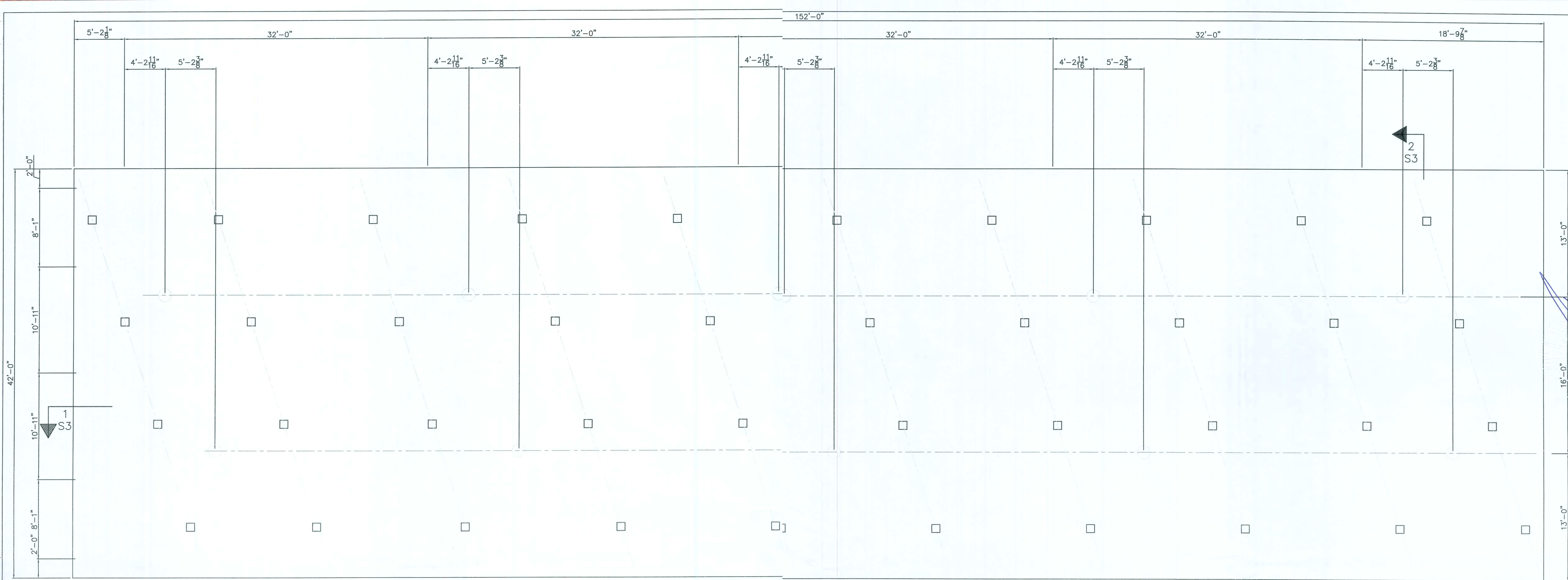
S-2

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

S & S STORE #38 42' x 152' CANOPY
14170 SOUTH U.S. 441
LAKE CITY (COLUMBIA COUNTY), FL 32024
STEEL FRAMING PLAN, ELEVATIONS AND NOTES

REV.	DATE	DESCRIPTION
1	1-19	CHANGED SIZE AND SHAPE OF CANOPY
	JAN 21 2011	

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



CANOPY STEEL PLAN

CANOPY LIGHTING PLAN
R.V.I. LEVEL E FASCIA SYSTEM

- NOTES:
1. PROVIDE (1) OVERFLOW SCUPPER @ EACH CORNER
 2. PROVIDE (40) NEW 400W SCOTTSDALE LIGHTS
 3. ALLOW 10 - 20A CIRCUITS FOR LIGHTS
 4. 5. 3/4" CONDUITS ARE EXISTING FROM CANOPY TO STORE PANEL
 6. ELECTRICIAN TO PULL SEPARATE PERMIT FOR ELECTRICAL

DWN. BY SC
DATE 11-09
CK'D BY D H
DATE 11-09

JOB NO.

DWG. NO.

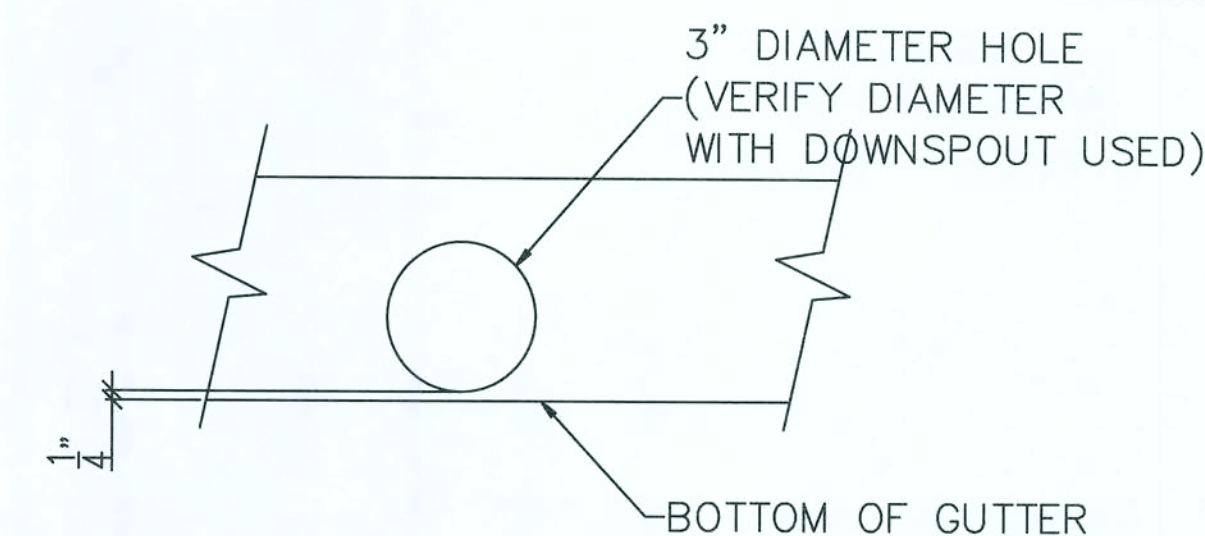
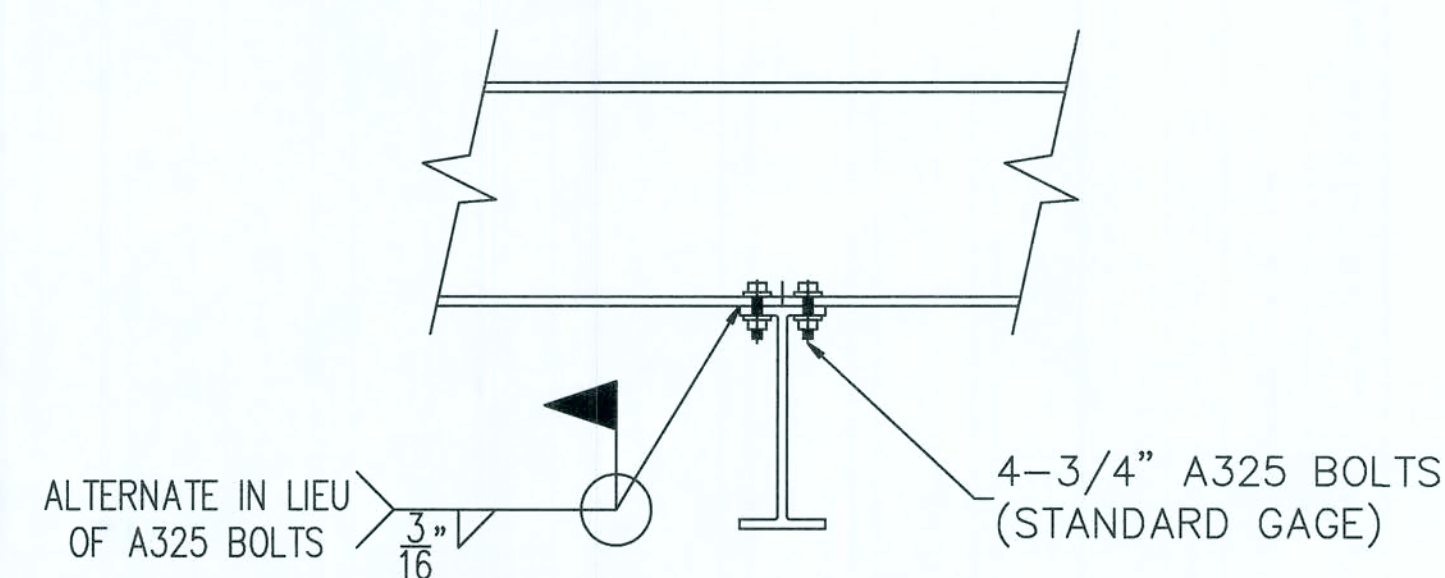
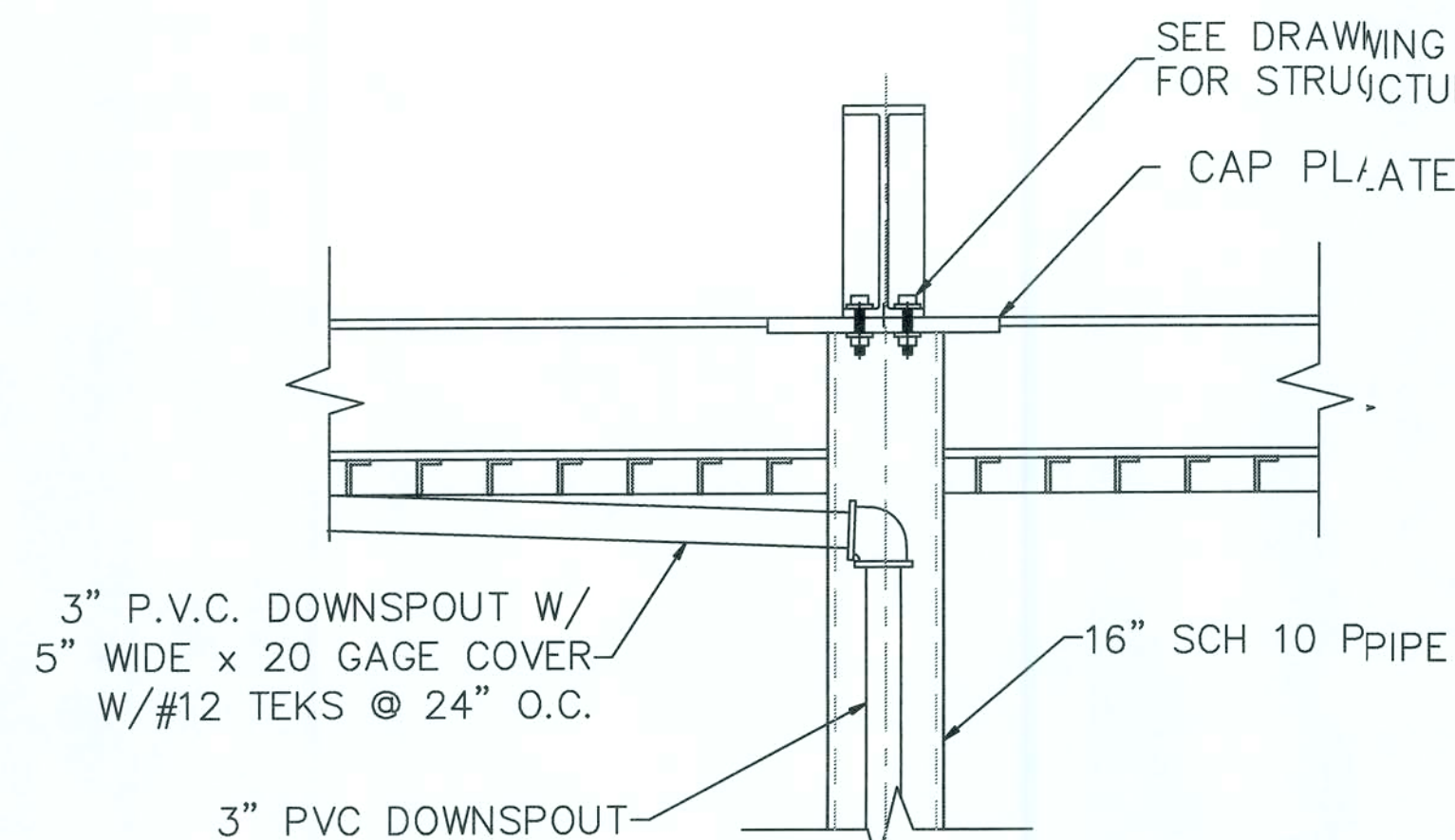
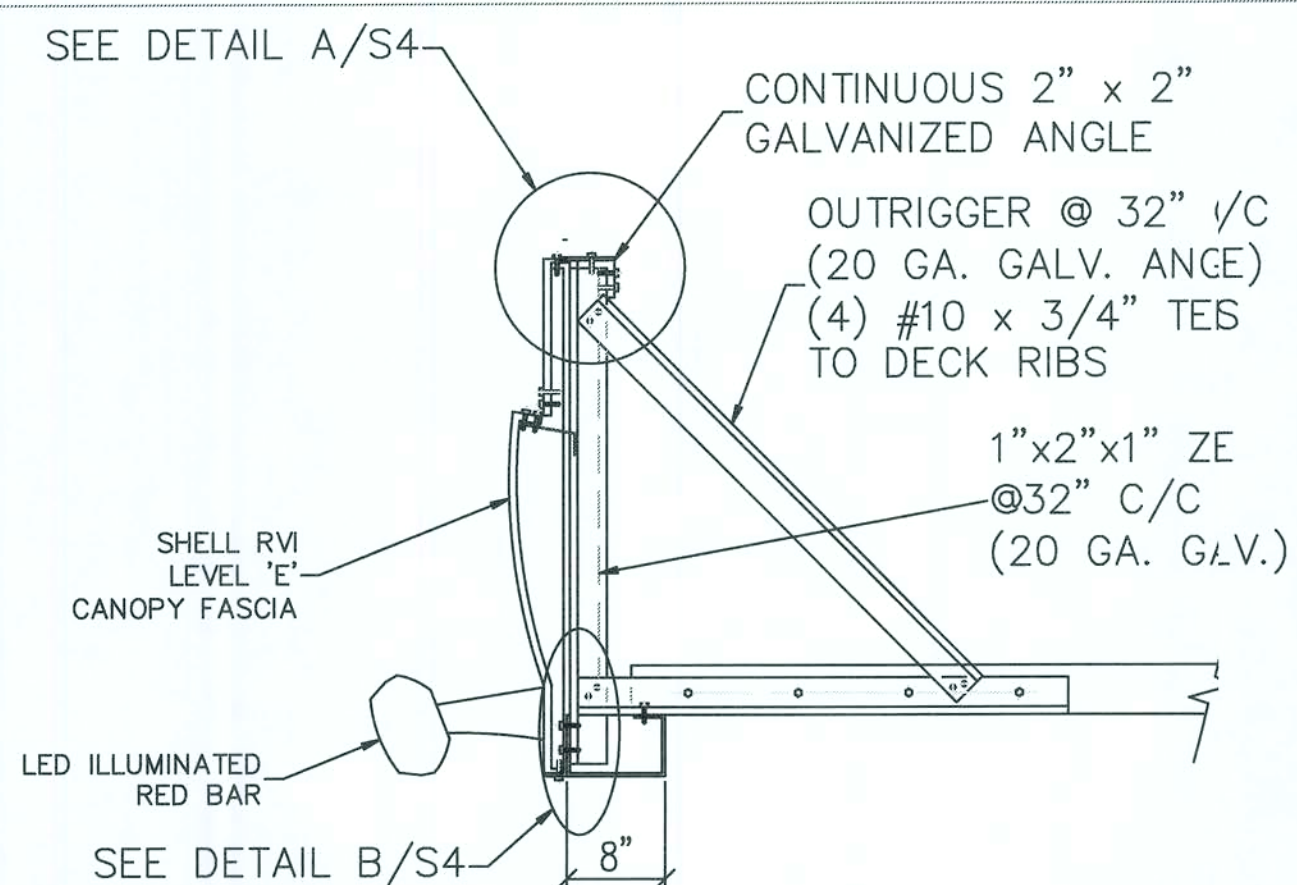
S-3

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

S & S STORE #38 42' x 152' CANOPY
14170 SOUTH U.S. 441
LAKE CITY (COLUMBIA COUNTY), FL 32024
CANOPY LIGHTING PLAN AND NOTES

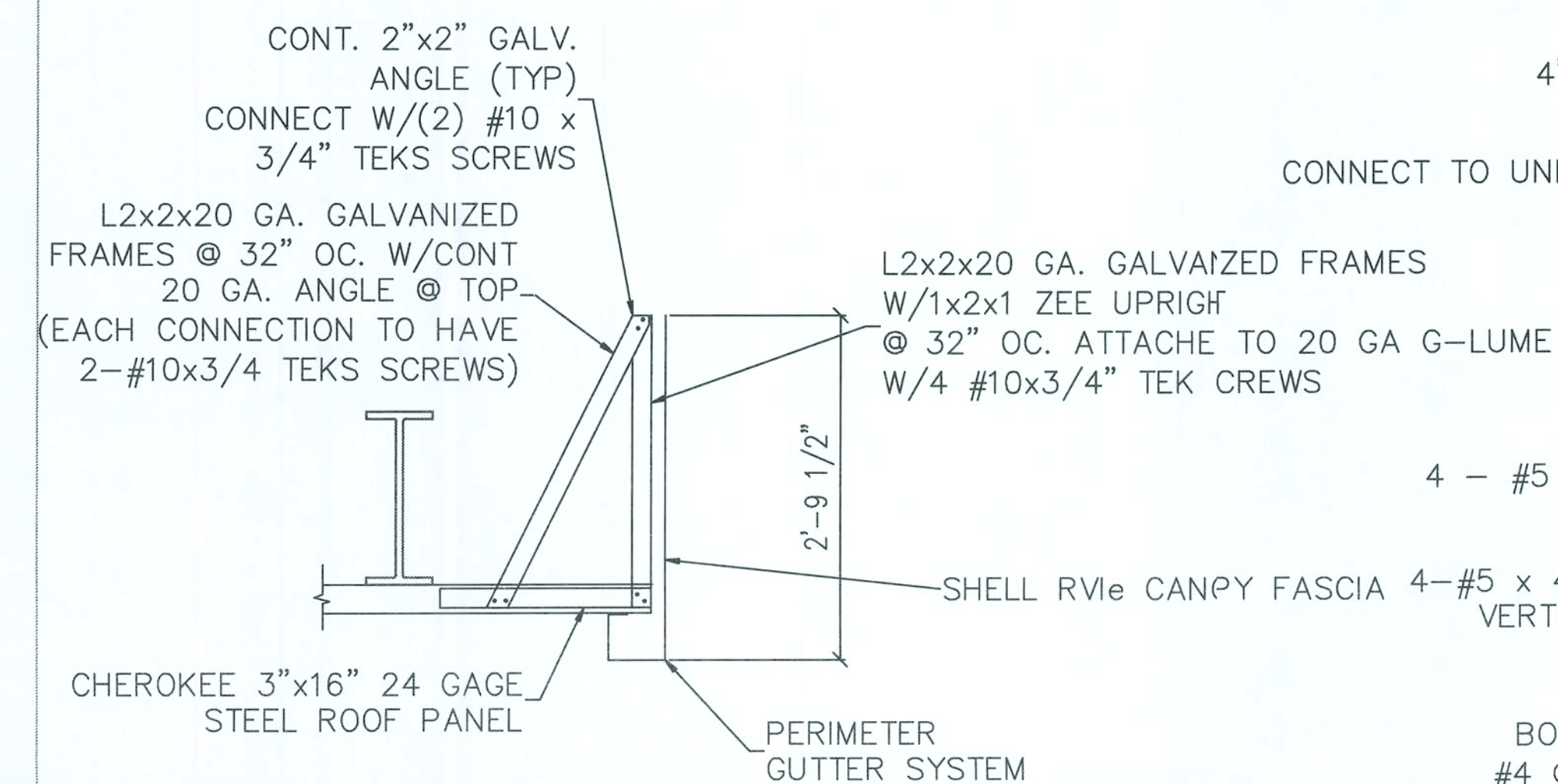
REV.	DATE	DESCRIPTION
1	11-09	CHANGED CANOPY SIZE AND SHAPE
2	JAN 1 2010	

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



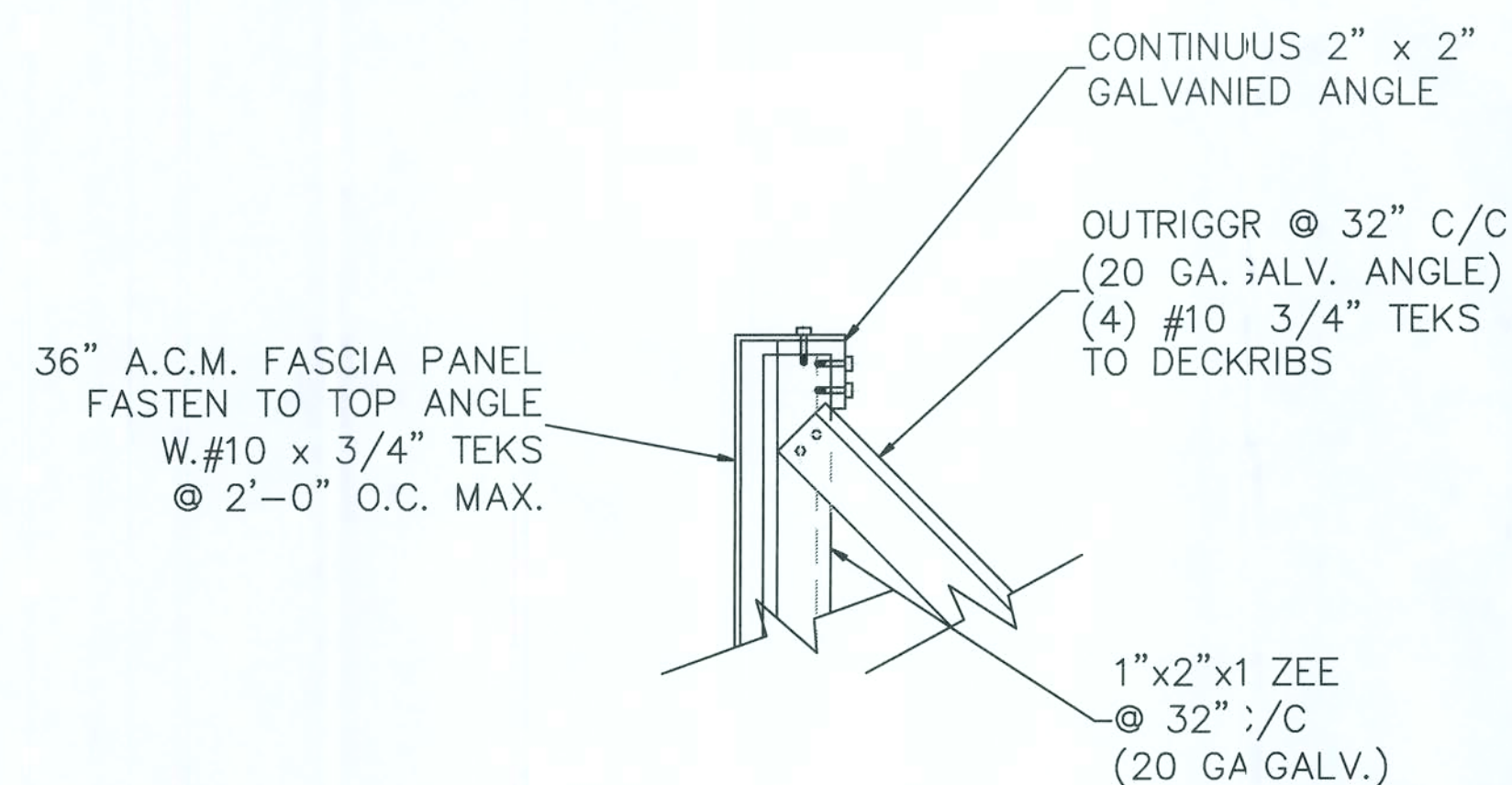
1 TYPICAL A.C.M. FRAME DETAL

S-4 ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS
W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4"TEKS



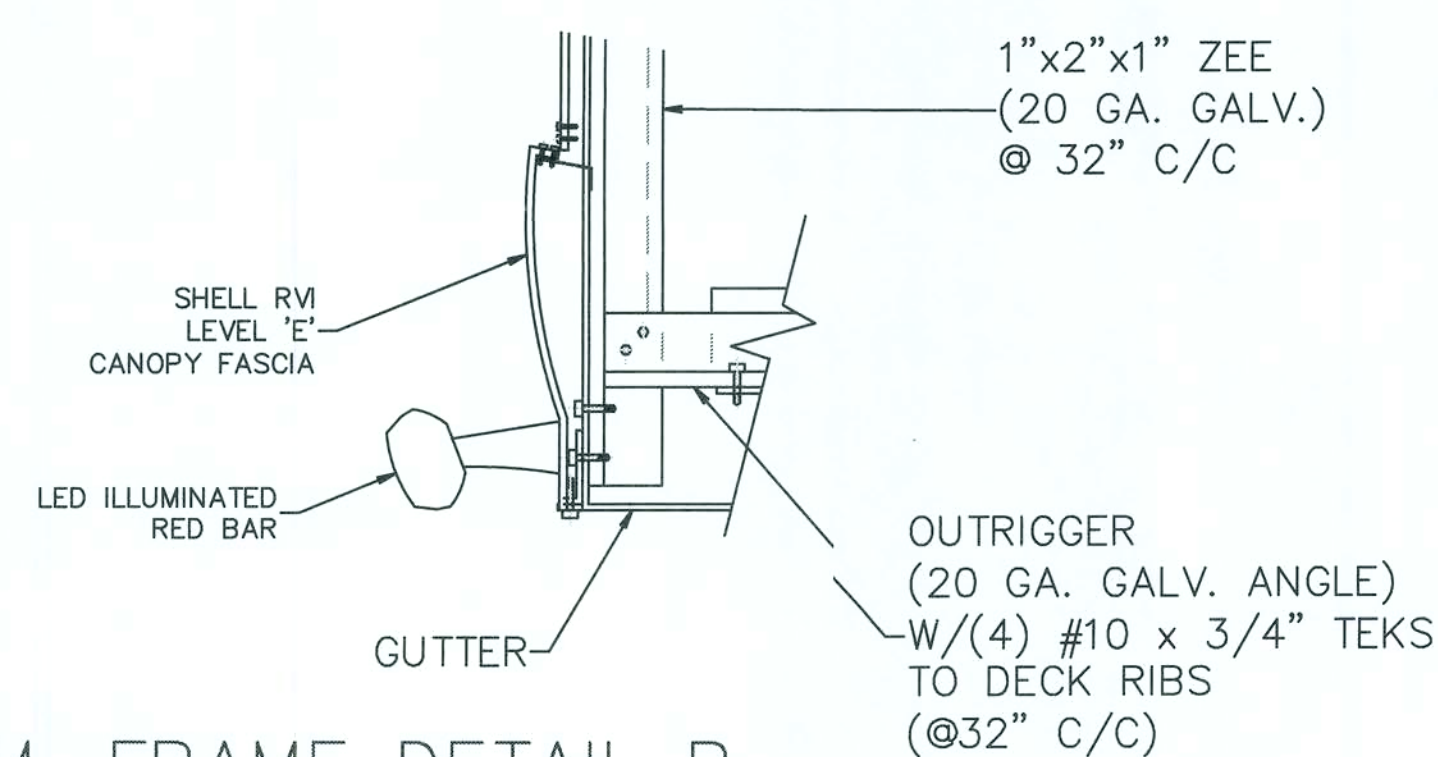
2 SECTION

S-4 ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS
W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TES



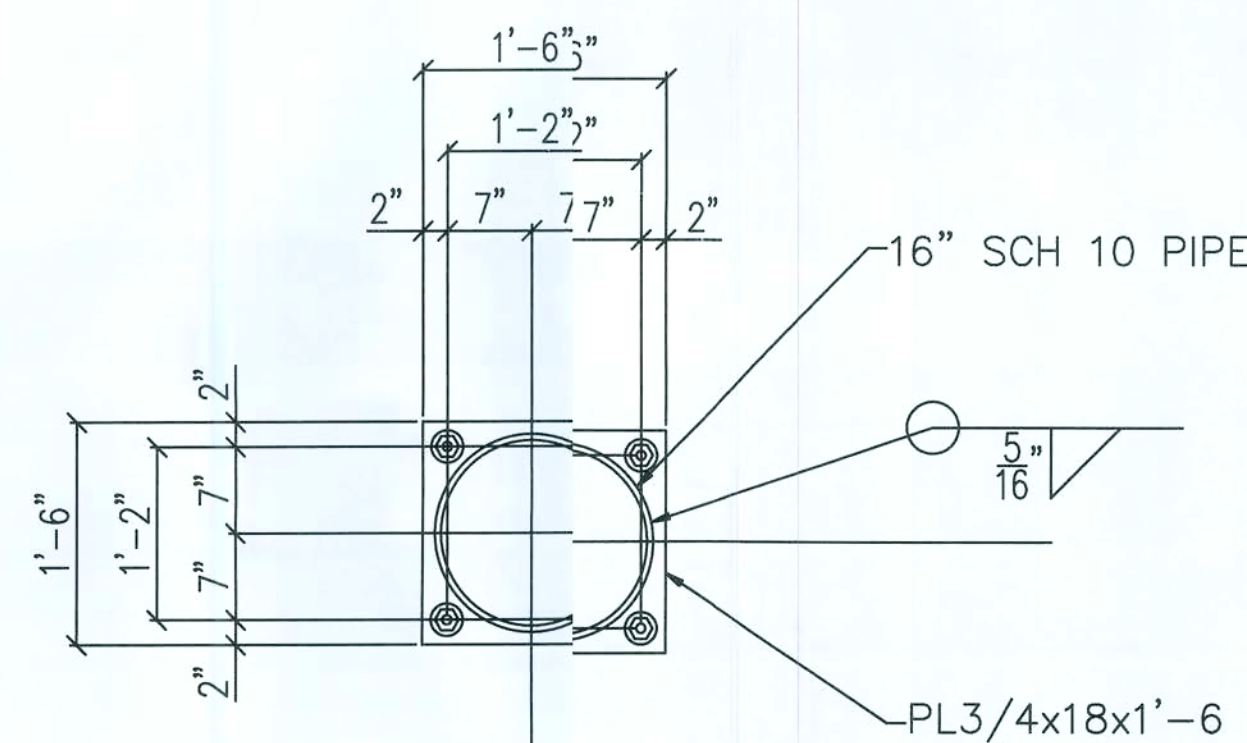
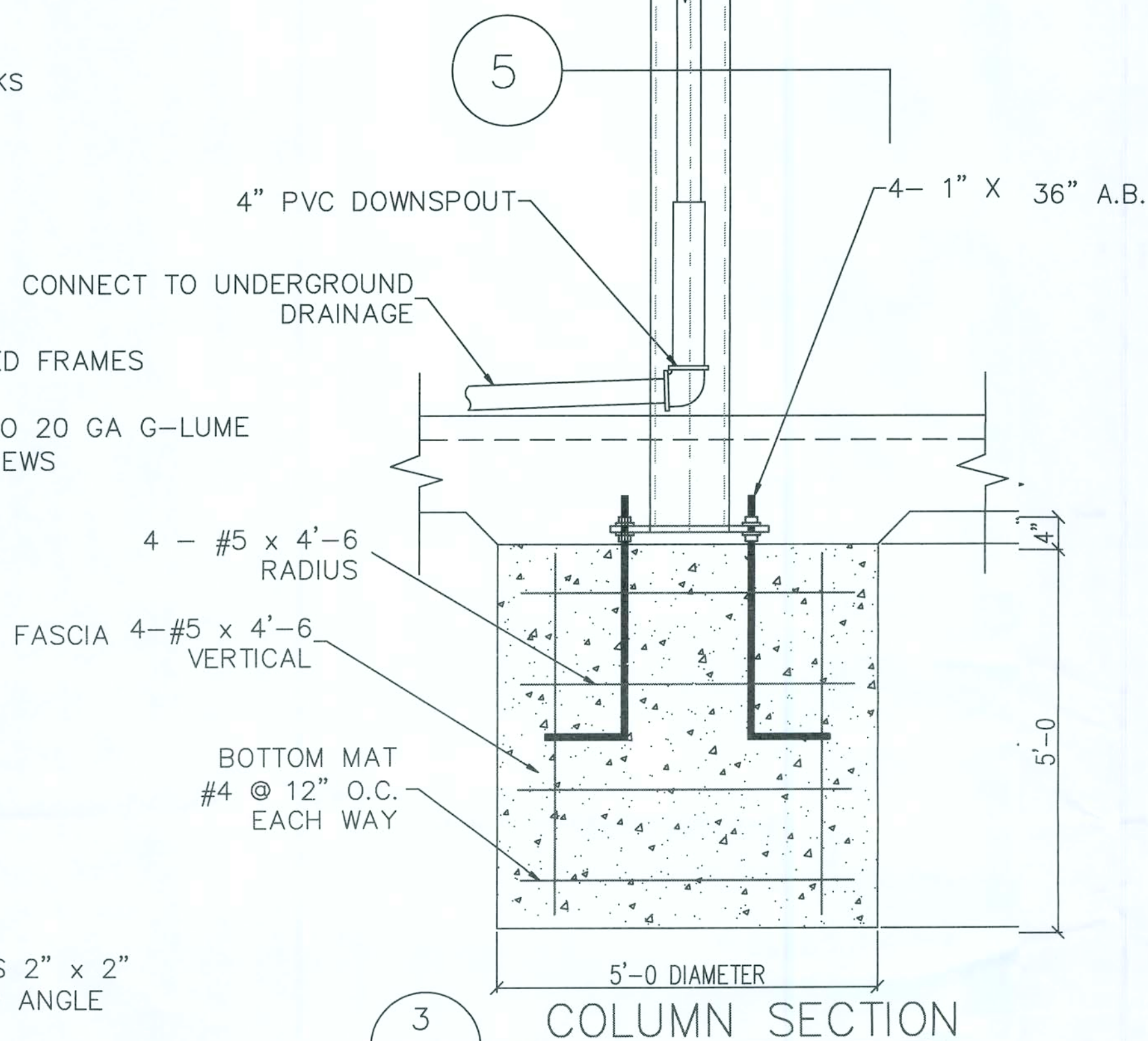
A A.C.M. FRAME DETAIL A

S-4 ALL CONNECTIONS OF LITE GAGE FRAMING MEMBES
W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X3/4" TEKS



A.C.M. FRAME DETAIL B

S-4 ALL CONNECTIONS OF LITE GAGE FRAMING MEMBER
W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS

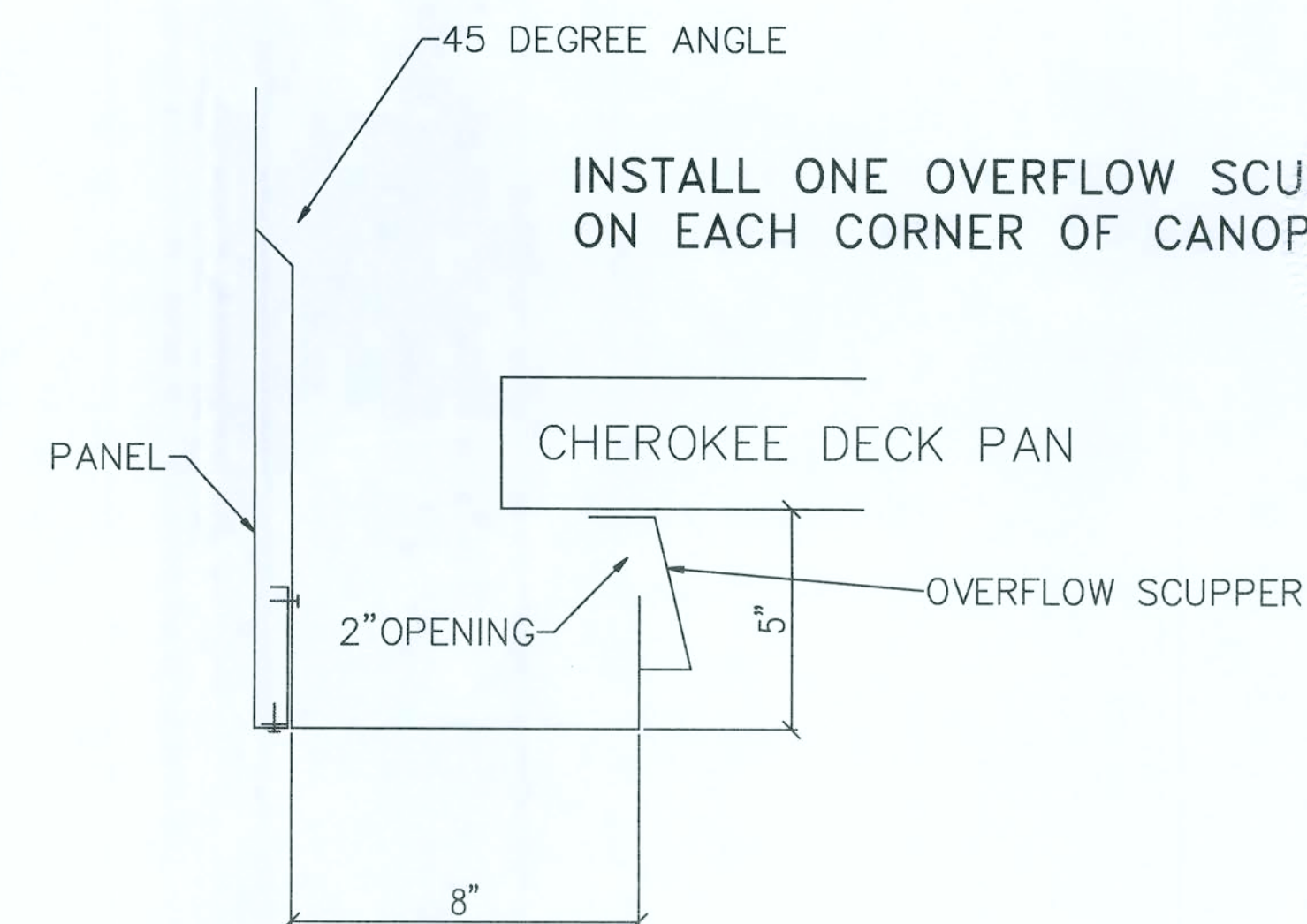


5 FOOTING DETAIL

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

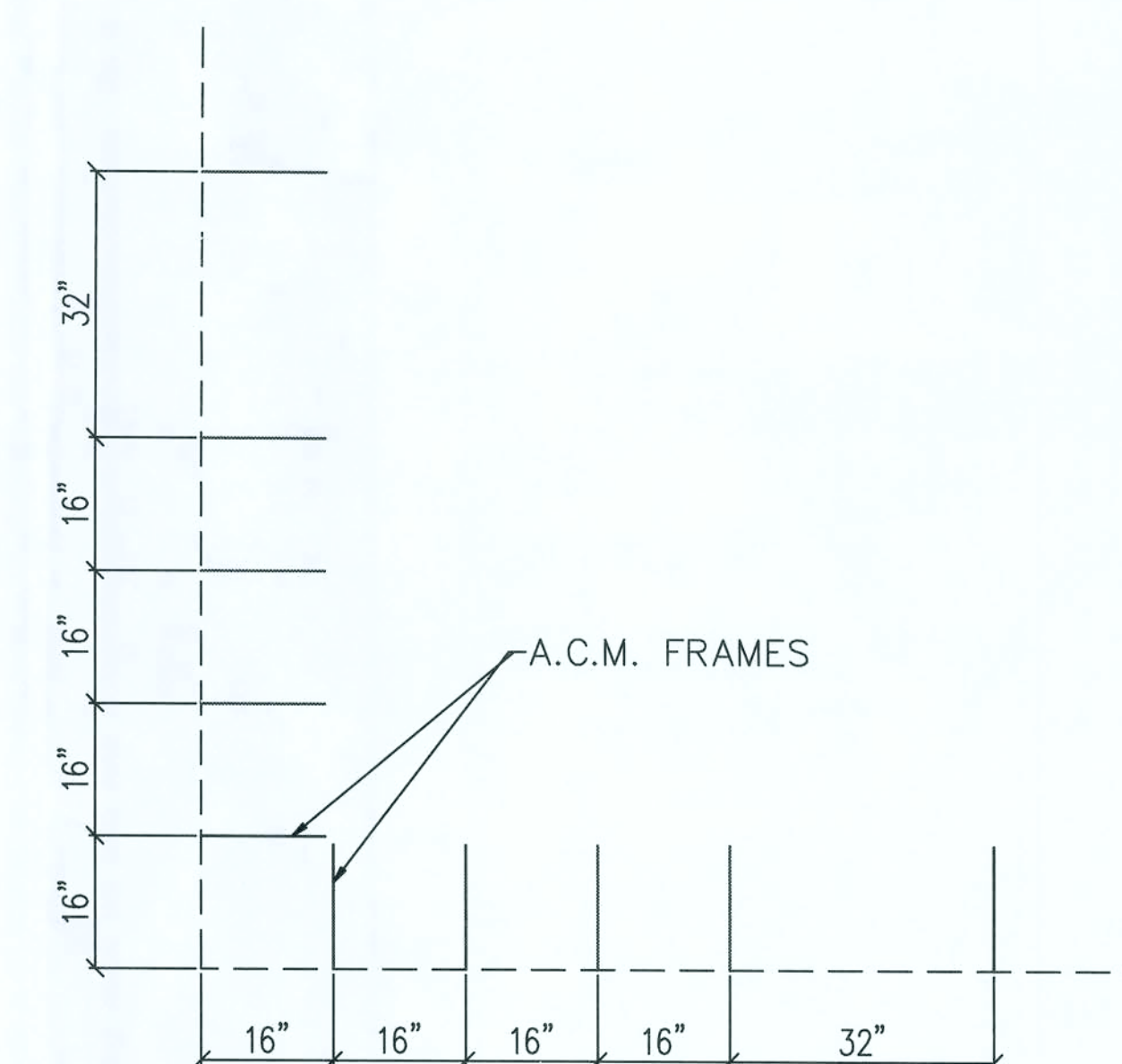
NOTES:
BOLTS TO BE A325 x 2 1/2"
W/ WASHERS EACH SIDE
(4 BOLTS PER CONNECTION)

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



7 SCUPPER DETAIL

SCALE: NONE



9 A.C.M FRAME SPACING
S-4 AT CORNERS

ACTUAL CORNERS SKEWED
THIS DETAIL REPRESENTS
SPACING DIMENSIONS OF FRAME
AT CORNERS SLOPING CORNERS.

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