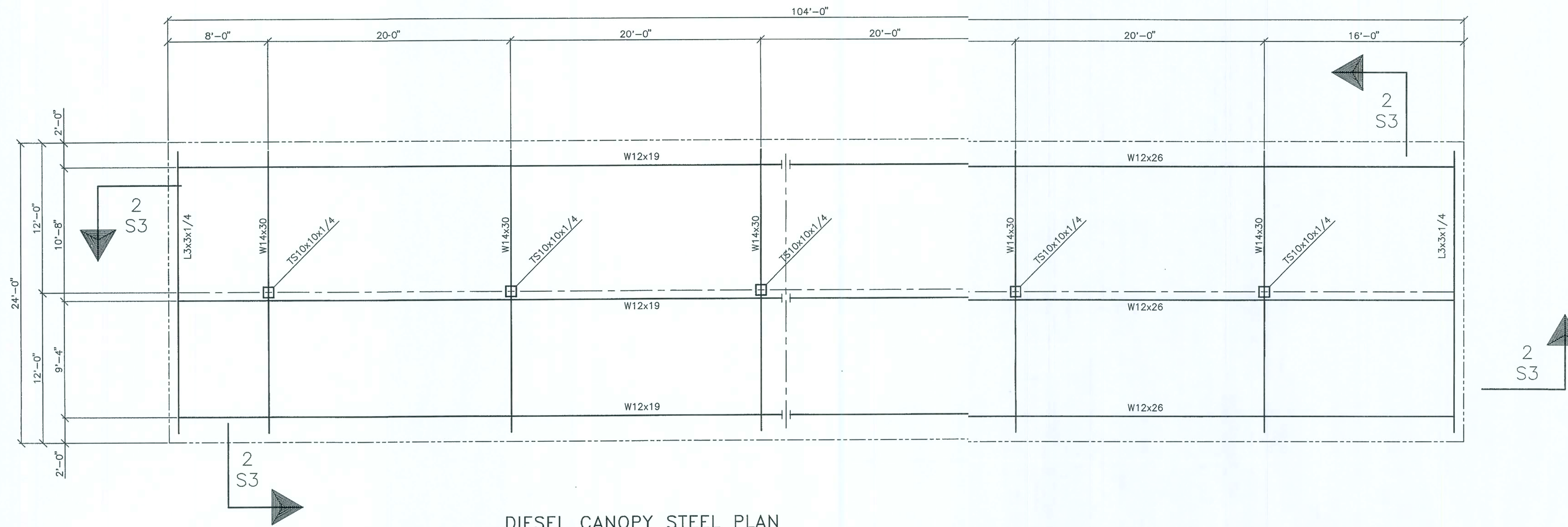




DIESEL CANOPY STEEL PLAN

36" A.C.M. BLACK FASCIA

SEE SECTION 2/S3 FOR SECTION AT PERIMETER OF CANOPOY
 SEE SECTION 3/S3 FOR SECTION AT COLUMN SHOWING FOOTING
 SEE SECTION 4/S3 FOR FLANGE TO FLANGE CONNECTION ON BEAMS
 SEE SECTION 5/S3 FOR DETAIL OF COLUMN BASE PLATE
 SEE SECTION 6/S3 FOR DOWNSPOUT TO GUTTER HOLE ELEVATION
 SEE SECTION 7/S3 FOR SCUPPER DETAIL
 SEE SECTION 8/S3 FOR COLUMN ISOMETRIC WITH PVC DRAIN

SCOPE OF WORK:

- * INSTALL NEW 24' X 104' CANOPY
- * DESIGN FOR FLA. BUILDING CODE 2004
- * WIND LOADS PER 1609 - 100 MPH
- * 30 PSF PER SQ FT LIVE LOAD
- * TYPE "M" BUILDING - OCC. 310.1
- * TYPE IIB CONSTRUCTION SEC. 602 OCCUPANCY
- * NEGATIVE WIND LOADS ON ROOF ZONE 3 = -17 PSF
- * POSITIVE WIND LOADS ON ROOF = 10 PSF
- * BASE PRESSURE, $q = 15.2$ 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

NOTES:

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

1. LIVE ROOF LOAD ----- 20PSF
2. WIND LOAD ----- 100 MPH PER 1609
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 UNLS ES OTHERWISE NOTED. (USE LOW HYDROGEN RODS IF A992 STEEL IS USED)
5. CHEROKEE STEEL DECK PANEL (20 GAGE GALVALUME) TO BE ATTACHED TO PURLINS WITH DECK CLAMPS AT EACH POINT OF CONTACT
6. ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS

FAC ID: 12/8944278

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

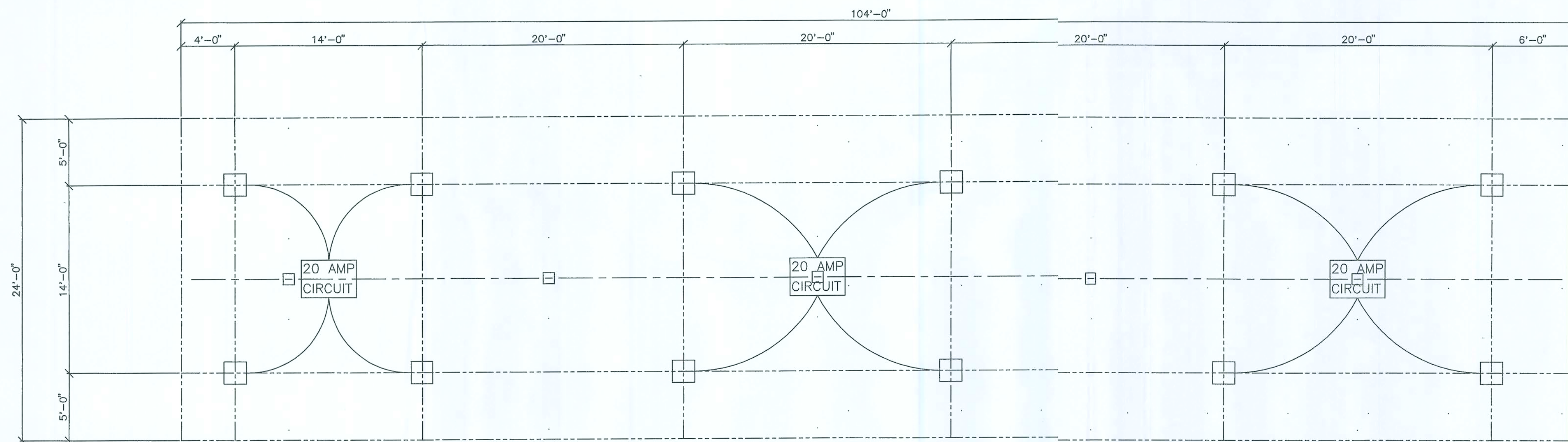
1-30-2007
 DWG BY: SC
 DATE: 4-07
 CK'D BY: D H
 DATE: 4-07
 JOB NO.
 DWG NO.
S-1

G & S STORE #37 24' x 104' DIESEL CANOPY
 3519 NORTH HIGHWAY 441
 LAKE CITY, FLORIDA 32055
STEEL FRAMING PLAN AND NOTES

AUSTIN ACE, P.E.
 1726 KINGSLEY AVENUE, SUITE, 19
 ORANGE PARK, FL 32073
 (904) 716-3661 CAN-8341

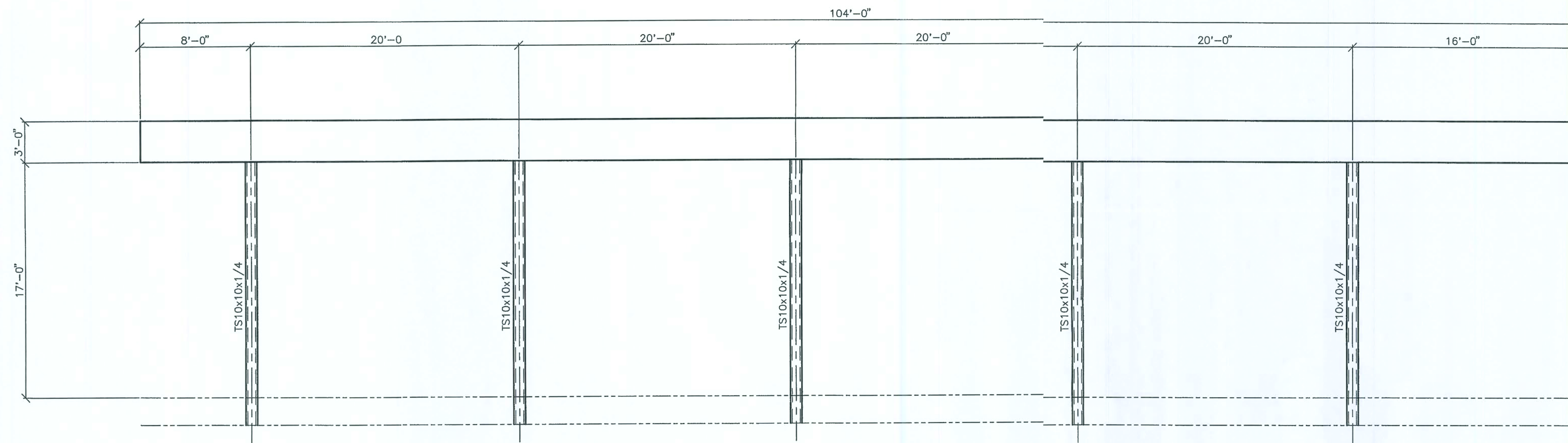
MAY 08 2007

CARR TECH

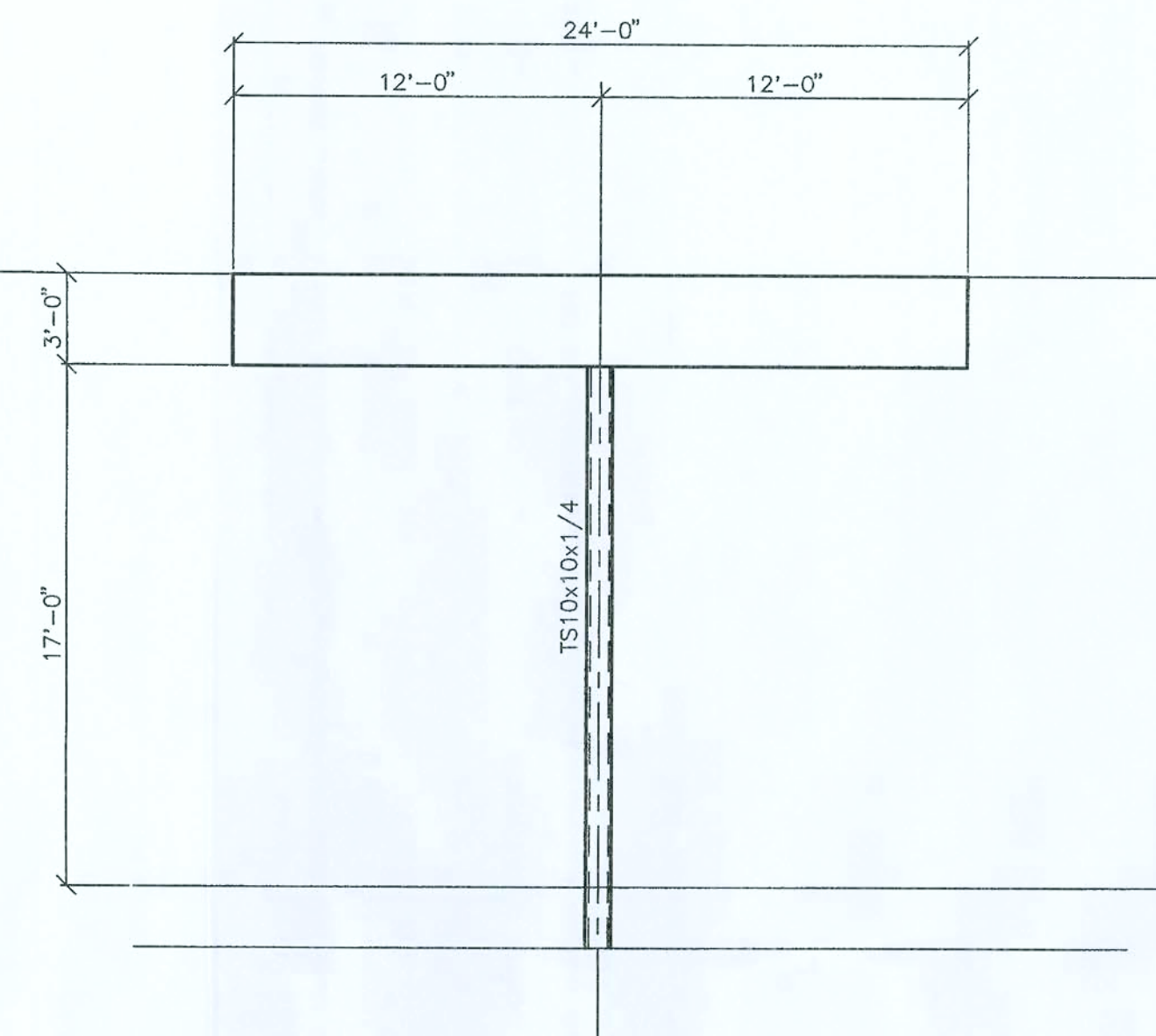


DIESEL CANOPY LIGHTING PLAN
36" A.C.M. BLACK FASCIA

- NOTES:
1. PROVIDE (1) OVERFLOW SCUPPER @ EACH CORNER
 2. PROVIDE (12) NEW 320W LIGHTS
 3. 3/4" CONDUITS ARE EXISTING FROM CANOPY TO STORE PANEL
 4. ELECTRICIAN TO PULL SEPARATE PERMIT FOR ELECTRIC



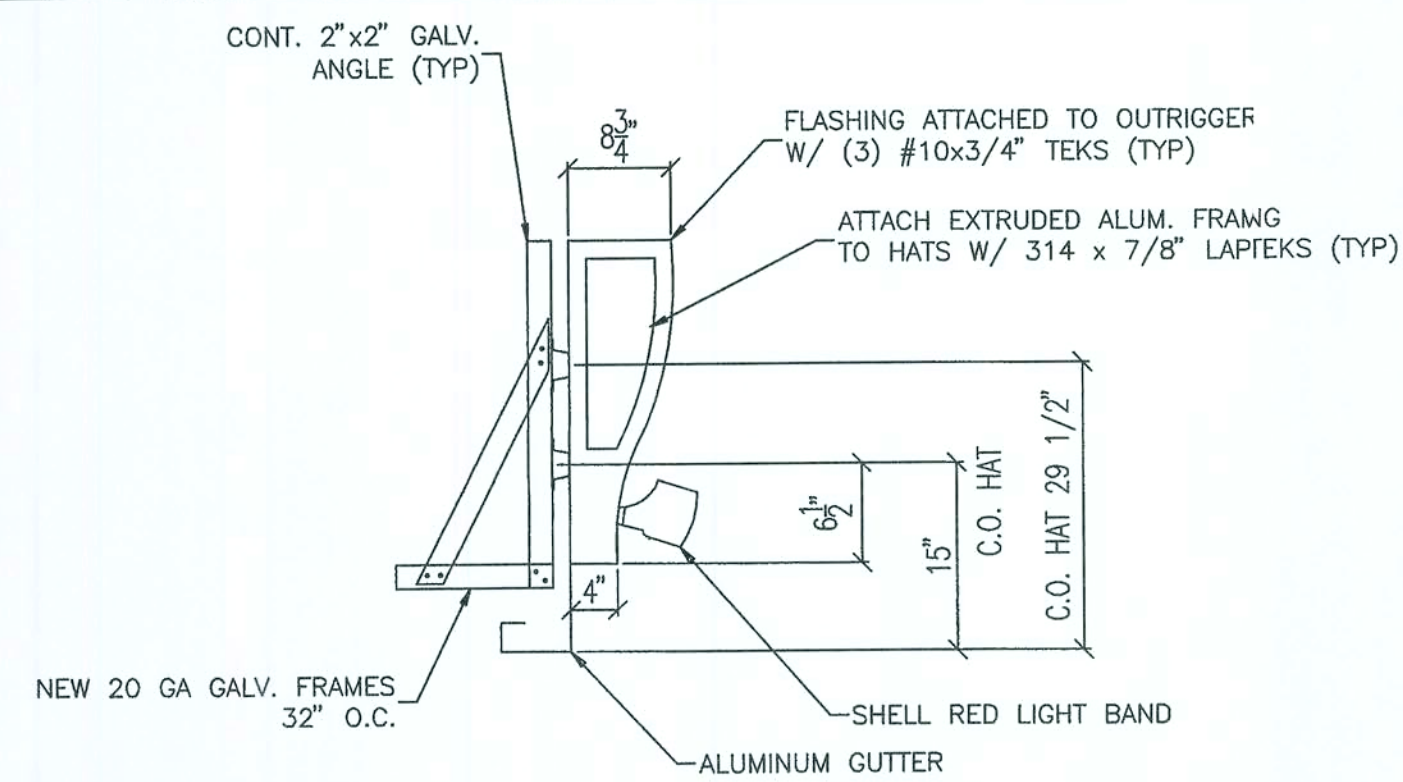
DIESEL CANOPY FRONT & BACK ELEVATION
36" A.C.M. BLACK FASCIA



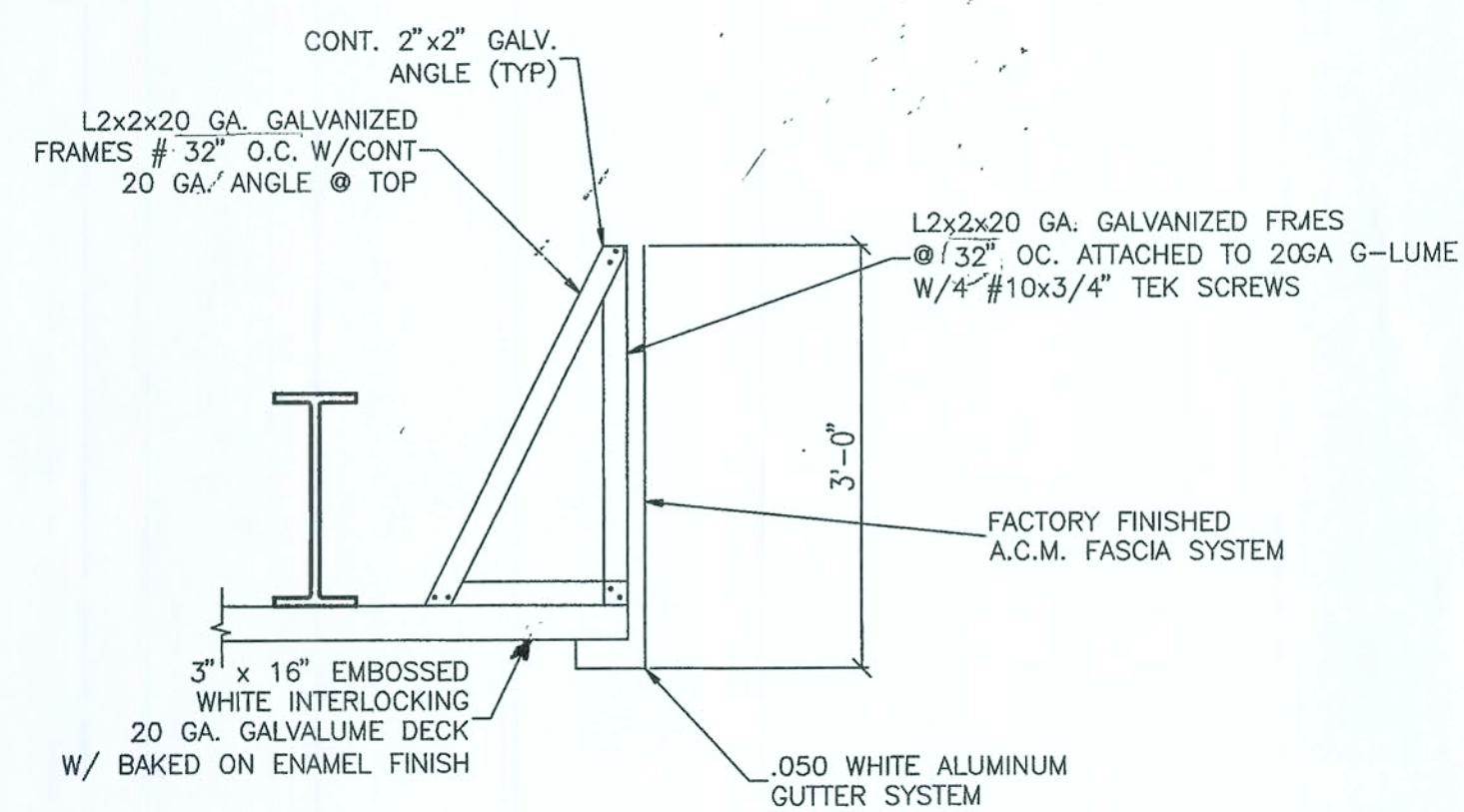
DIESEL CANOPY END ELEVATION
36" A.C.M. BLACK FASCIA

FAC ID: 12/8944278		CARR-TECH INDUSTRIES, INC. 5000 COLLING ROAD Jacksonville, Florida 32244 (904) 771-2340		S & S STORE #37 24' X 104' DIESEL CANOPY 3519 N. HIGHWAY 441 LAKE CITY, FLORIDA 32055 ELEVATIONS & LIGHTING PLAN		AUSTIN ACE, P.E. 1720 NINGLET AVENUE, SUITE 13 ORANGE PARK, FL 32073 (904) 716-3661 CAN-8341	
DWN. BY: SC		DATE: 4-07		CHK'D BY: D H		DATE: 4-07	
JOB NO.							
DWD. NO.		S-2					

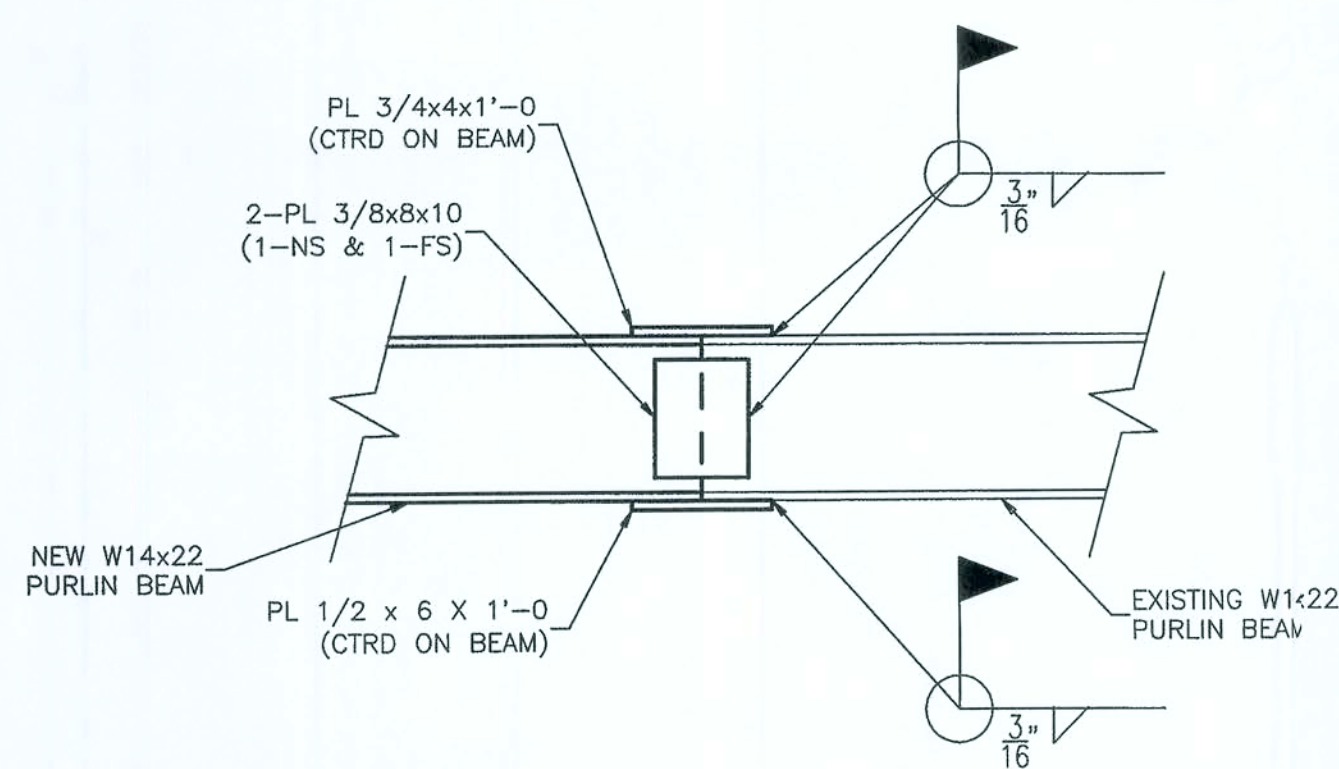
MAY 03 2007



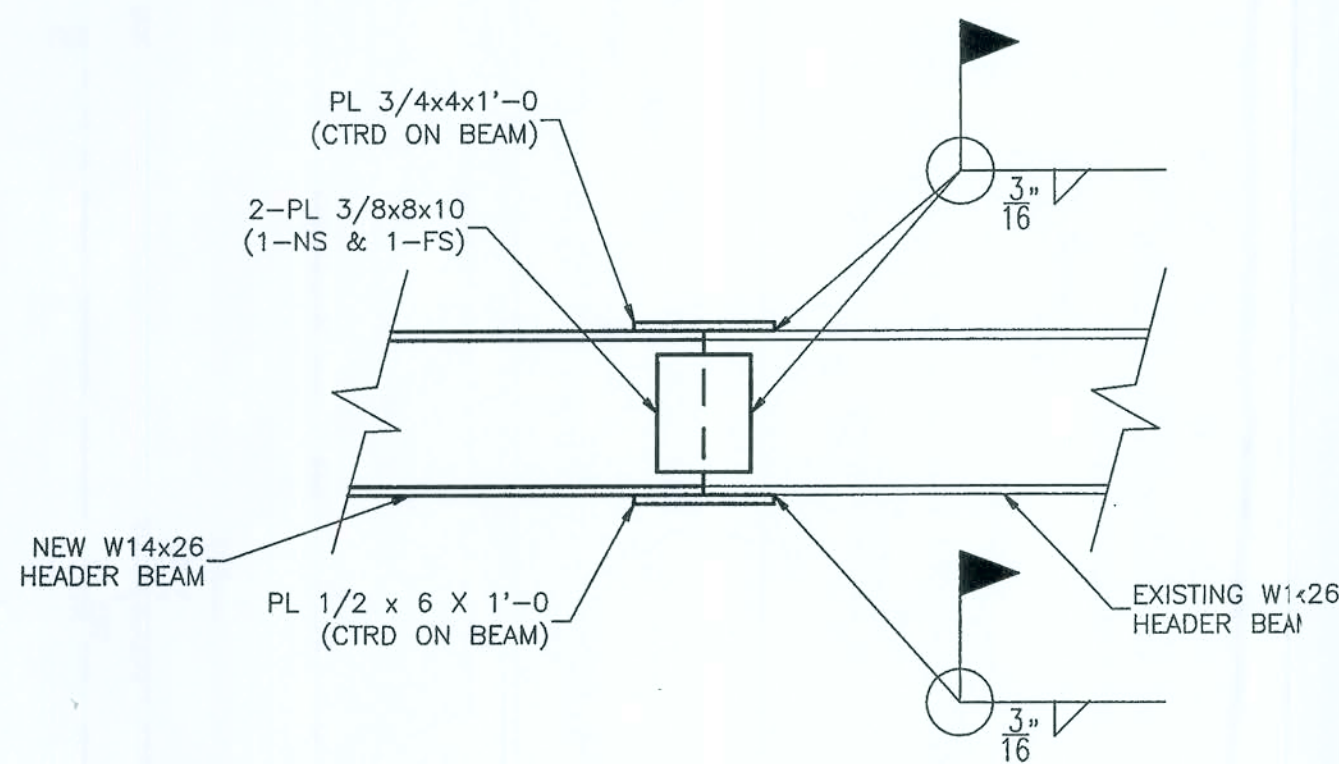
1 SECTION
TYP SCALE: 3/4" = 1'-0"



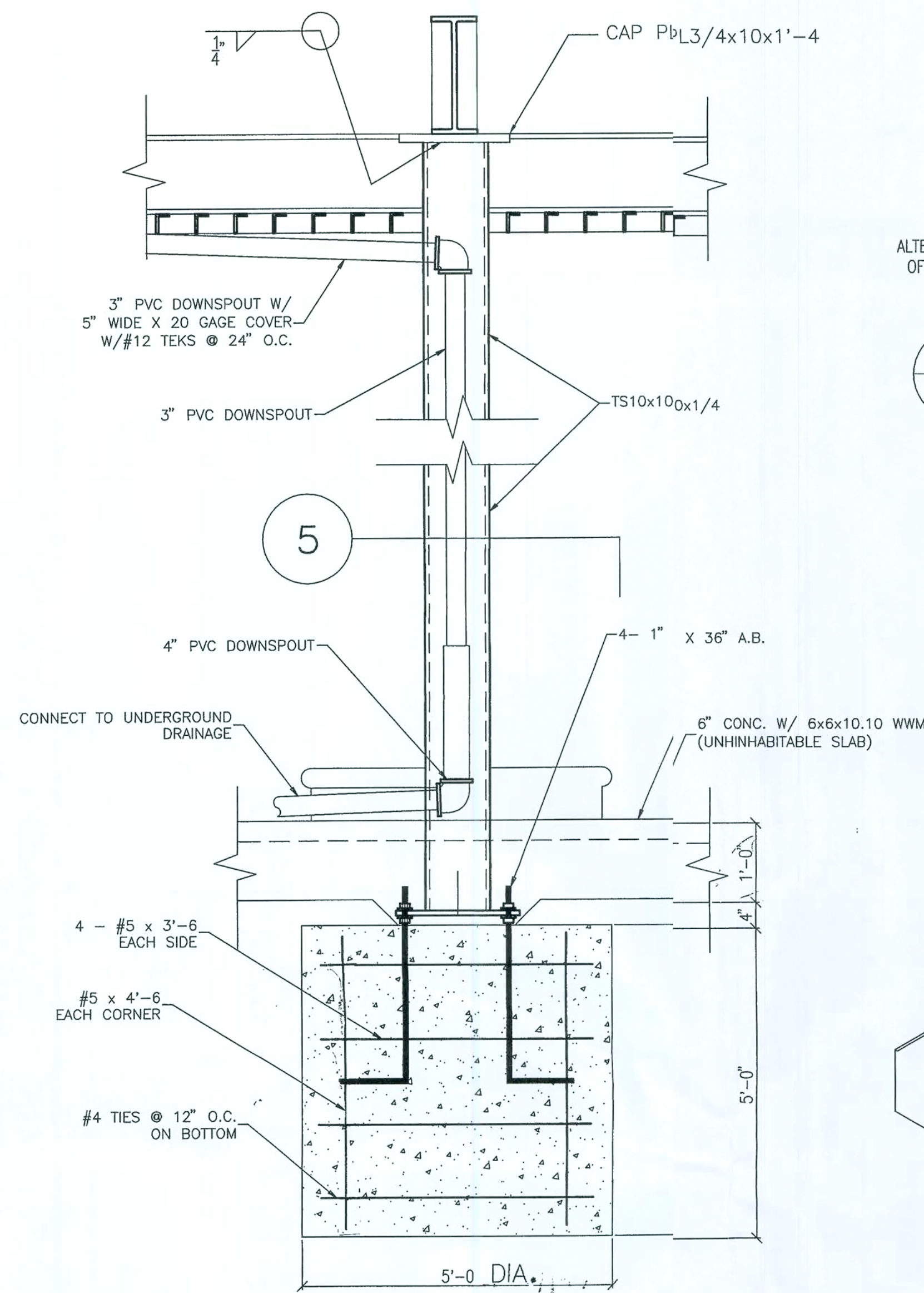
2 SECTION
S-3 SCALE: 3/4" = 1'-0"



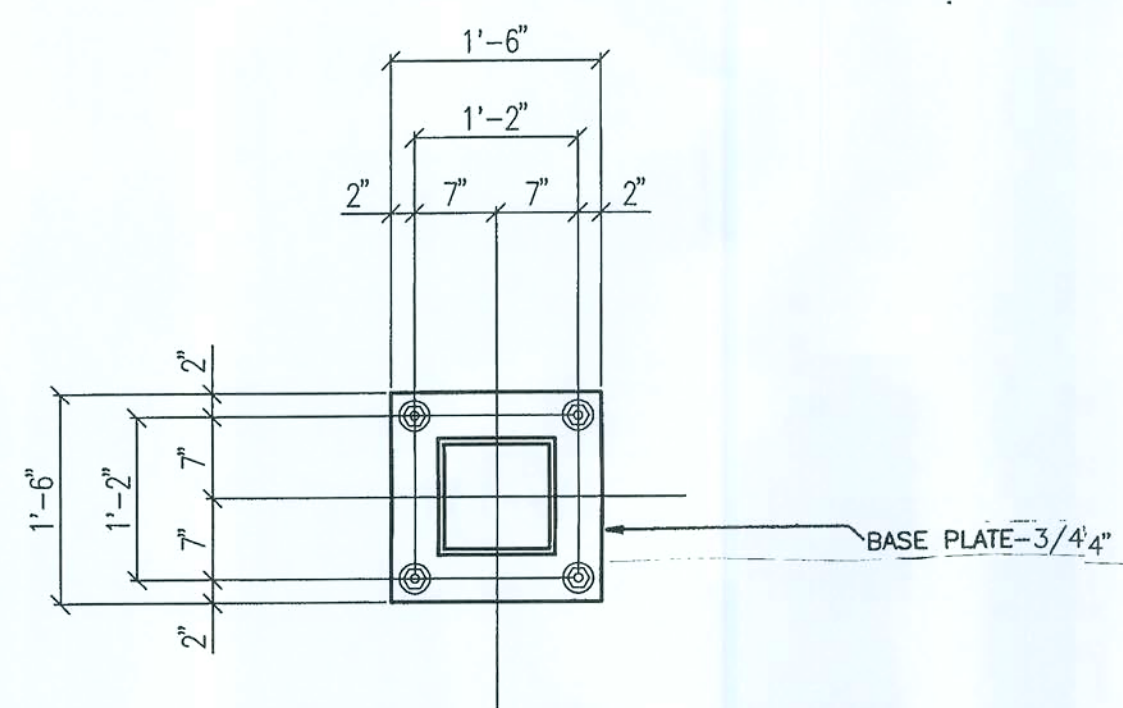
9 TYPICAL PURLIN BEAM
S-3 SPLICE BEAM DETAIL



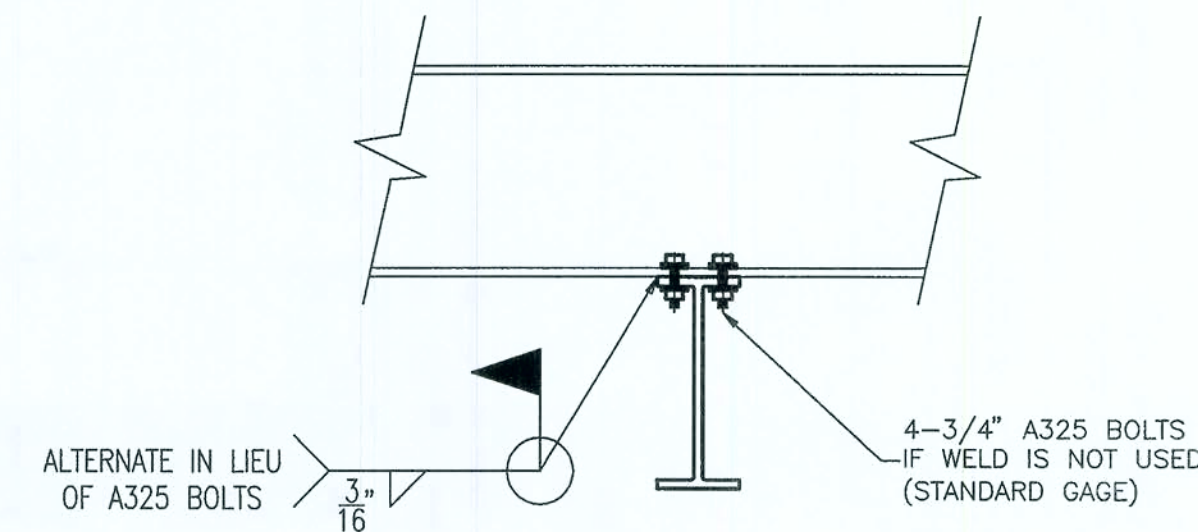
10 TYPICAL HEADER BEAM
S-3 SPLICE BEAM DETAIL



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

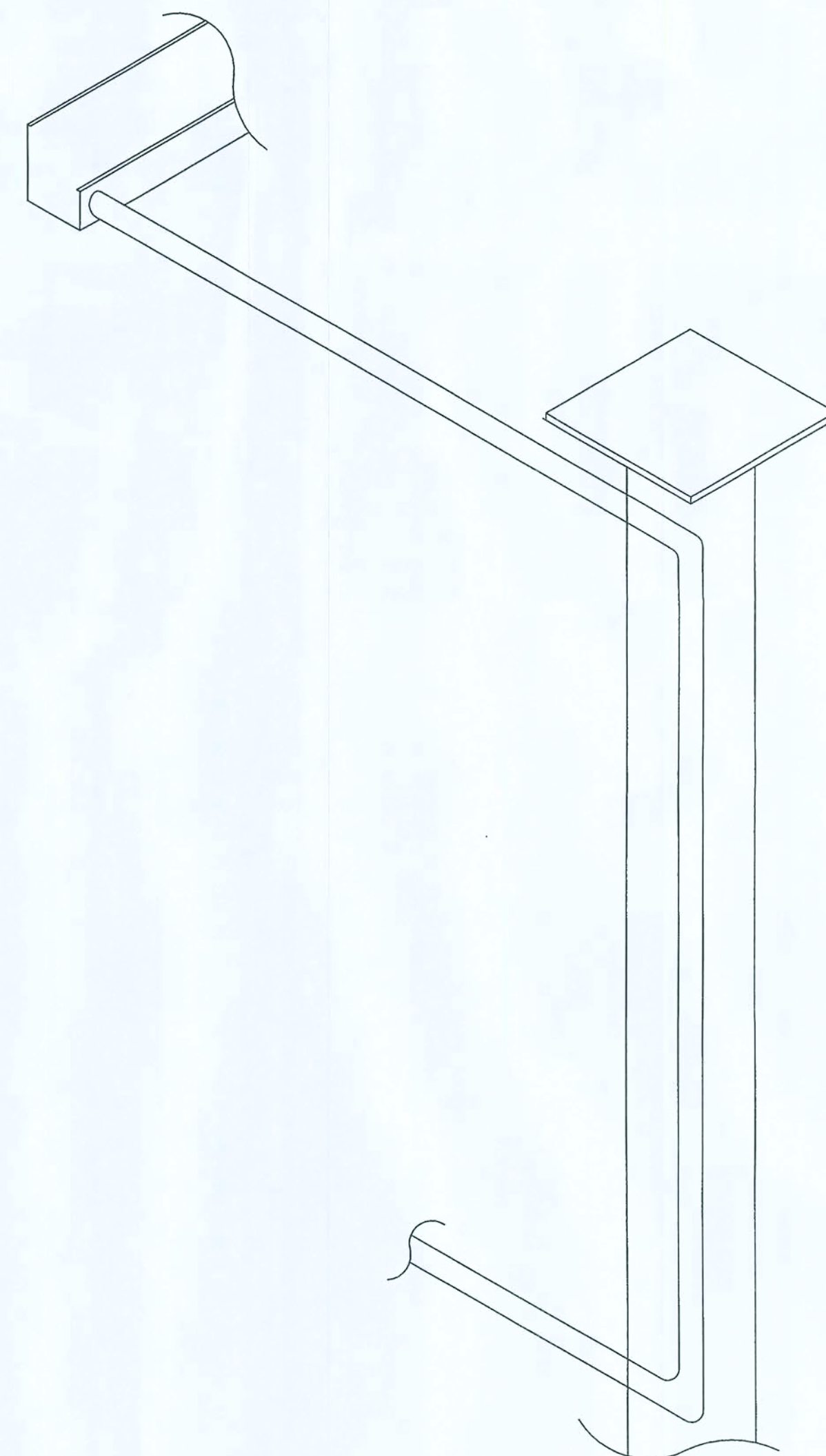


5 FOOTING DETAIL
S-3 SCALE: 3/4" = 1'-0"

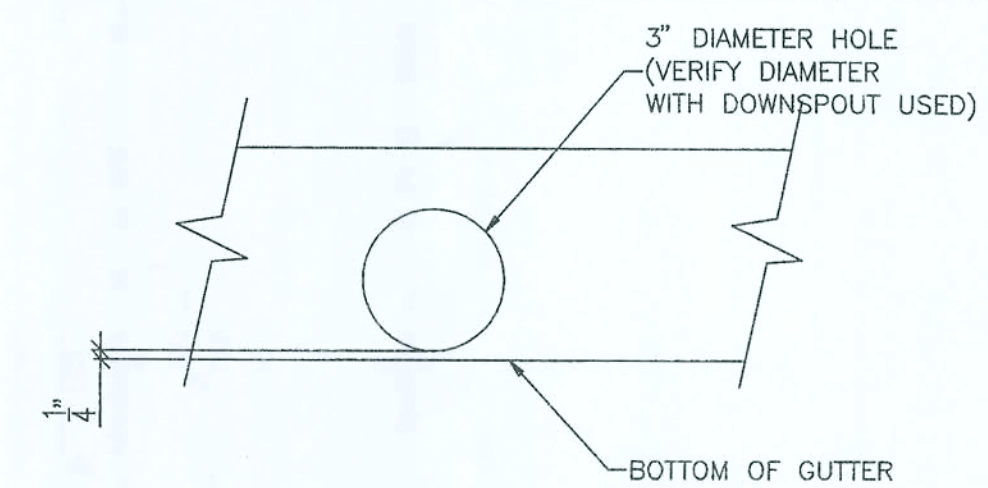


4 FLANGE TO FLANGE
S-3 BEAM CONNECTION
SCALE: NONE

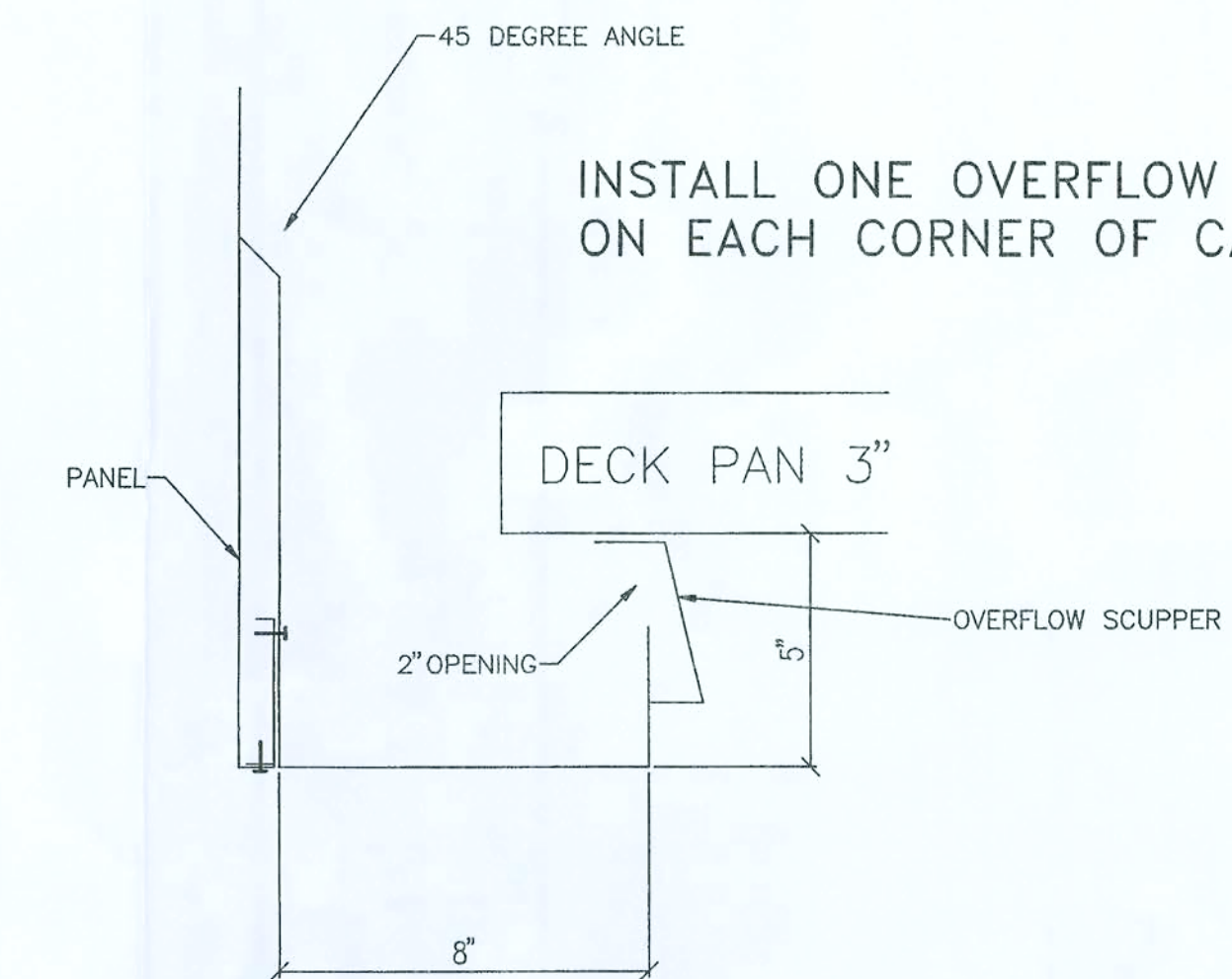
NOTES:
BOLTS TO BE A325 x 2 1/2"
W/ WASHERS EACH SIDE
(4 BOLTS PER CONNNECTION)
CONNECTIONS MAY BE WELDED IN
LIEU OF BOLTED. ALL WELDS
SHALL BE IN ACCORDANCE WITH
AWS SPECIFICATIONS.



8 DRAINAGE ISOMETRIC
S-3 (DOWNSPOUT ISOMETRIC)
SCALE: NONE



6 DOWNSPOUT TO GUTTER
S-3 HOLE ELEVATION
SCALE: NONE



7 SCUPPER DETAIL
S-3 SCALE: NONE

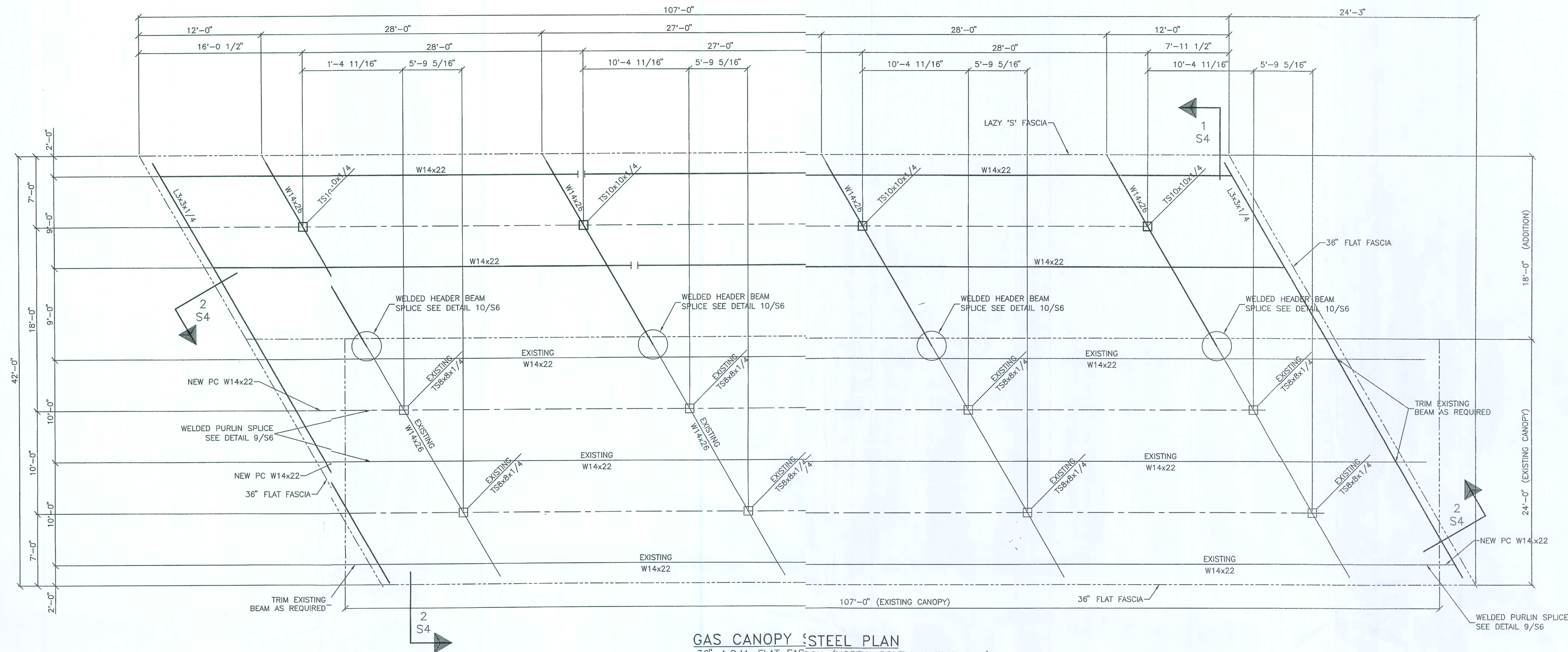
AUSTIN ACE, P.E.
1726 KINGSLEY AVENUE, SUITE 19
ORANGE PARK, FL 32075
(904) 716-3661

S & S STORE #37 24' x 104' DIESEL CANOPY
3519 NORTH HIGHWAY 441
LAKE CITY FLORIDA 32055
SECTIONS AND DETAILS

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

4-10-2007
DWG. BY SC
DATE 4-07-07
CKD BY D.H.
DATE 4-07-07
JOB NO.
DWG. NO.
S-3

MAY 08 2007



GAS CANOPY STEEL PLAN

36" A.C.M. FLAT FASCIA (NORTH, SOUTH & EAST SIDE)
36" A.C.M. LAZY 'S' FASCIA (ON WEST SIDE)
COLOR: SHELL YELLOW

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

SCOPE OF WORK:

- * INSTALL NEW 18' X 107' CANOPY
- * ADDITION TO EXISTING 24' X 107' CANOPY
- * (NEW CANOPY SIZE 42' X 107')
- * NEW DECK ON ENTIRE STRUCTURE
- * NEW FACIA & FRAMING ENTIRE STRUCTURE
- * DESIGN FOR FLA. BUILDING CODE 2004
- * WIND LOAD PER 1609 - 100 MPH
- * 30 PSF PER SQ FT LIVE LOAD
- * TYPE "M" BUILDING - OCC. 310.1
- * TYPE IIB CONSTRUCTION SEC. 602
- * OCCUPANCY
- * NEGATIVE WIND LOADS ON ROOF ZONE 3 = -17/PSF
- * POSITIVE WIND LOADS ON ROOF = 10 PSF
- * BASE PRESSURE. $q = 15.2$ 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

NOTES:

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

1. LIVE ROOF LOAD ----- 20PSF
2. WIND LOAD ----- 100 MPH PER 1609
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 UNLESS OTHERWISE NOTED. (USE LOW HYDROGEN RODS IF A992 STEEL IS USED)
5. CHEROKEE STEEL DECK PANEL (20 GAGE GALVALUME) TO BE ATTACHED TO PURLINS WITH DECK CLAMPS AT EACH POINT OF CONTACT
6. ALL CONNECTIONS OF LITE GAGE FRAMING MEMBERS W/(2) #10 X 3/4" TEKS, & TO DECK W/4 #10 X 3/4" TEKS

FAC ID: 12/8944278

CARR-TECH INDUSTRIES, INC.
3500 COLLINS ROAD
JACKSONVILLE, FLORIDA 32244
(904) 771-2340

4-3-2007
DWN. BY SC
DATE 4-07
CK'D BY D H
DATE 4-07
JOB N.
DWG NO. S-1

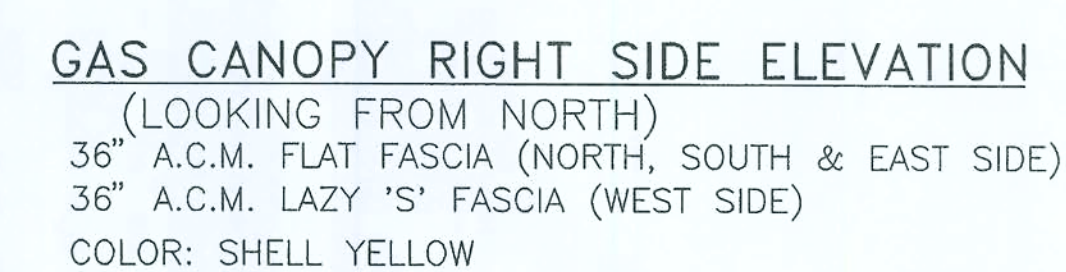
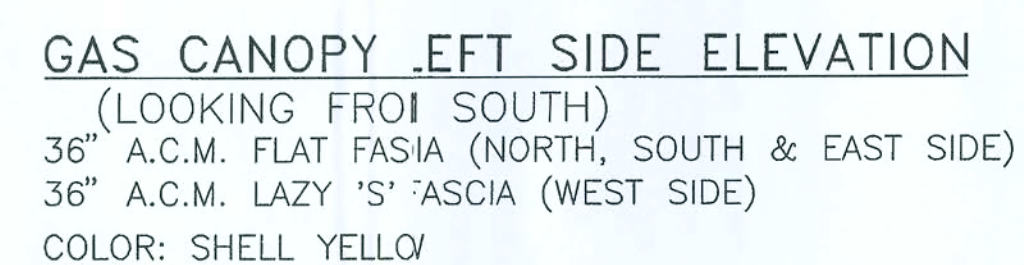
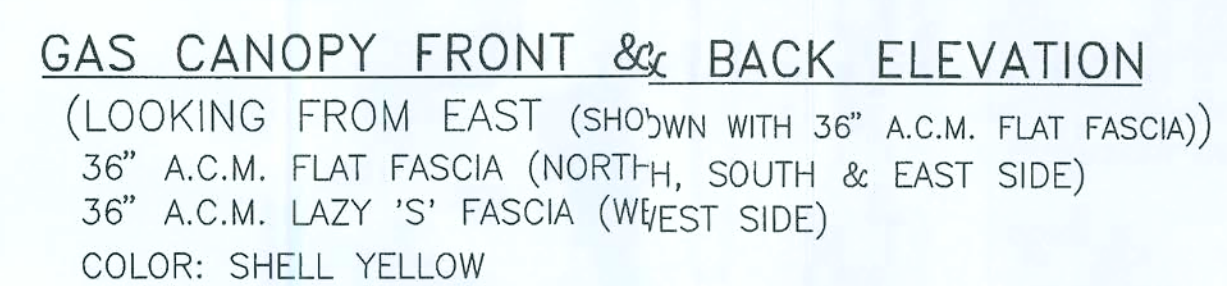
S & S STORE #37 18' x 107' CANOPY ADDITION
3519 NORTH HIGHWAY 441
LAKE CITY, FLORIDA 32055

STEEL FRAMING PLAN AND NOTES

AUSTIN ACE, P.E.
1120 KINGSLEY AVENUE, SUITE 119
ORANGE PARK, FL 32073
(904) 716-3661 CAN-8541

MAY 08 2007

Capen TBC H.



FAC ID: 12/8944278

FAC ID: 12/8944278

CARR-TECH INDUSTRIES, INC.
5988 COLLINS ROAD

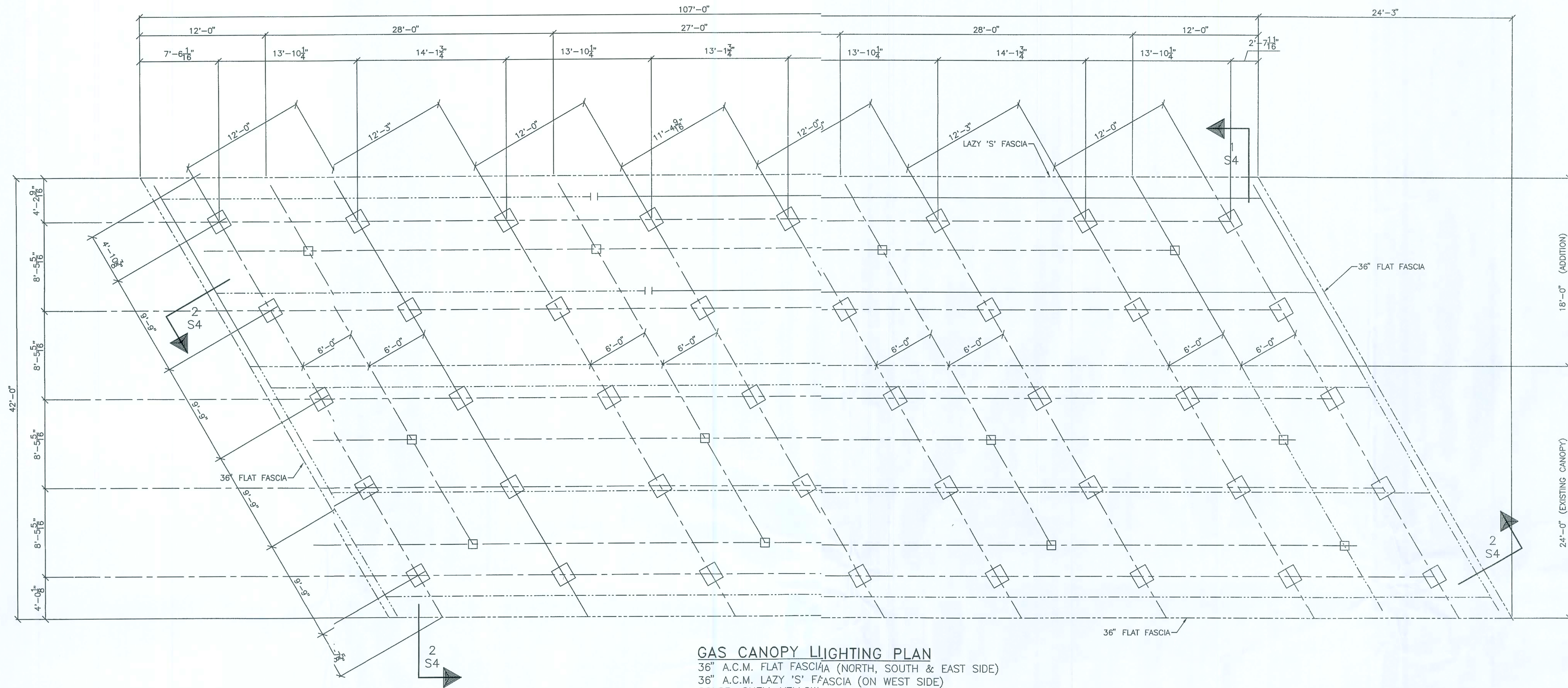
4-30-2007
DWN. BY SC
DATE 4-07
CK'D BY [] H
DATE 4-07

JOB NO.

DWG NO.	
---------	--

DWG No.
S-2

AUSTIN ACE, P.E.
1796 KINGSLEY AVENUE, SUITE, 40
ORANGE PARK, FL 32073
(904) 716-3661 CAN-8341



GAS CANOPY LIGHTING PLAN

36" A.C.M. FLAT FASCIA (NORTH, SOUTH & EAST SIDE)
 36" A.C.M. LAZY 'S' FASCIA (ON WEST SIDE)
 COLOR: SHELL YELLOW

- NOTES:
1. PROVIDE (1) OVERFLOW SCUPPER @ EACH CORNER
 2. PROVIDE (40) NEW 320W LIGHTS
 3. ALLOW 10 - 20A CIRCUITS FOR LIGHTS
 4. ALLOW 1 - 20A CIRCUIT FOR SIGN
 5. 3/4" CONDUITS ARE EXISTING FROM CANOPY TO STORE PANEL
 6. ELECTRICIAN TO PULL SEPARATE PERMIT FOR ELECTRIC

NORTH →

FAC ID: 12/8944278

CARR-TECH INDUSTRIES, INC.
 5888 COLLINS ROAD
 Jacksonville, Florida 32244
 (904) 771-2340

S & S STORE #37 18' x 107' CANOPY ADDITION
 3519 NORTH HIGHWAY 441
 LAKE CITY, FLORIDA 32055
STEEL FRAMING PLAN AND NOTES

4-10-2007
 OWN. & SC
 DATE 4-07
 CK'D BY D.H.
 DATE 4-07

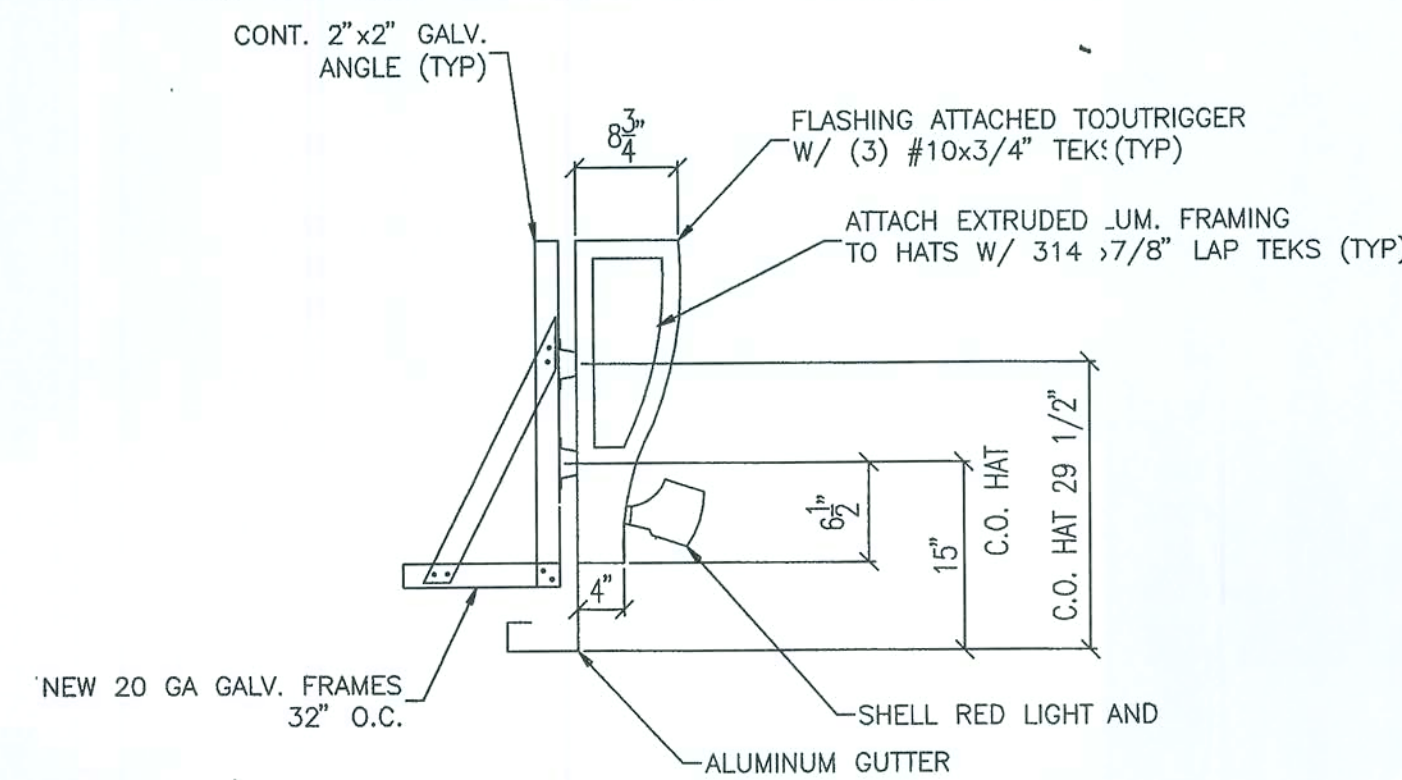
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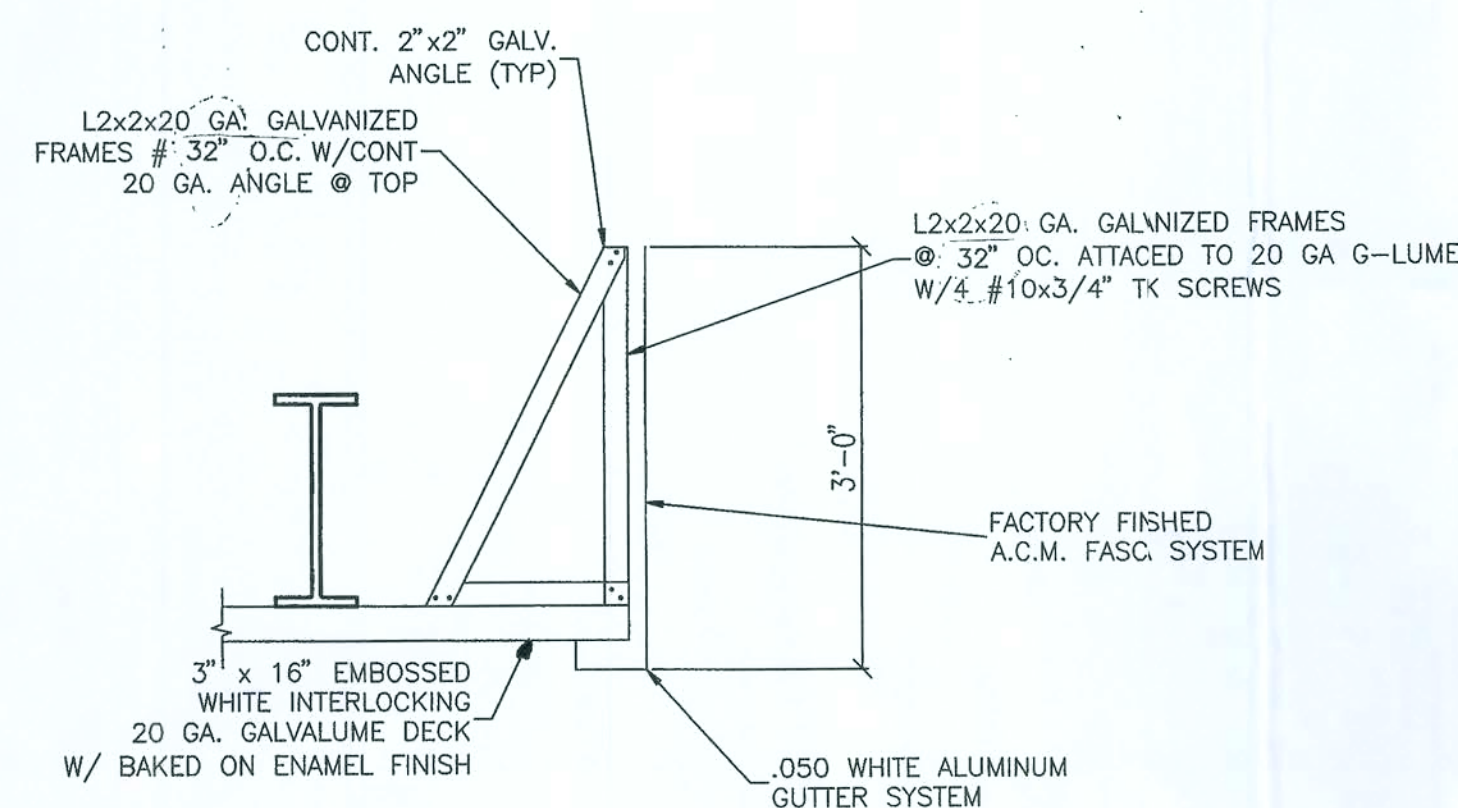
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AUSTIN ACE P.E. 19
 1726 KINGSLEY AVENUE, SUITE 19
 ORANGE PARK, FL 32073
 (904) 716-3661 CAN-8341

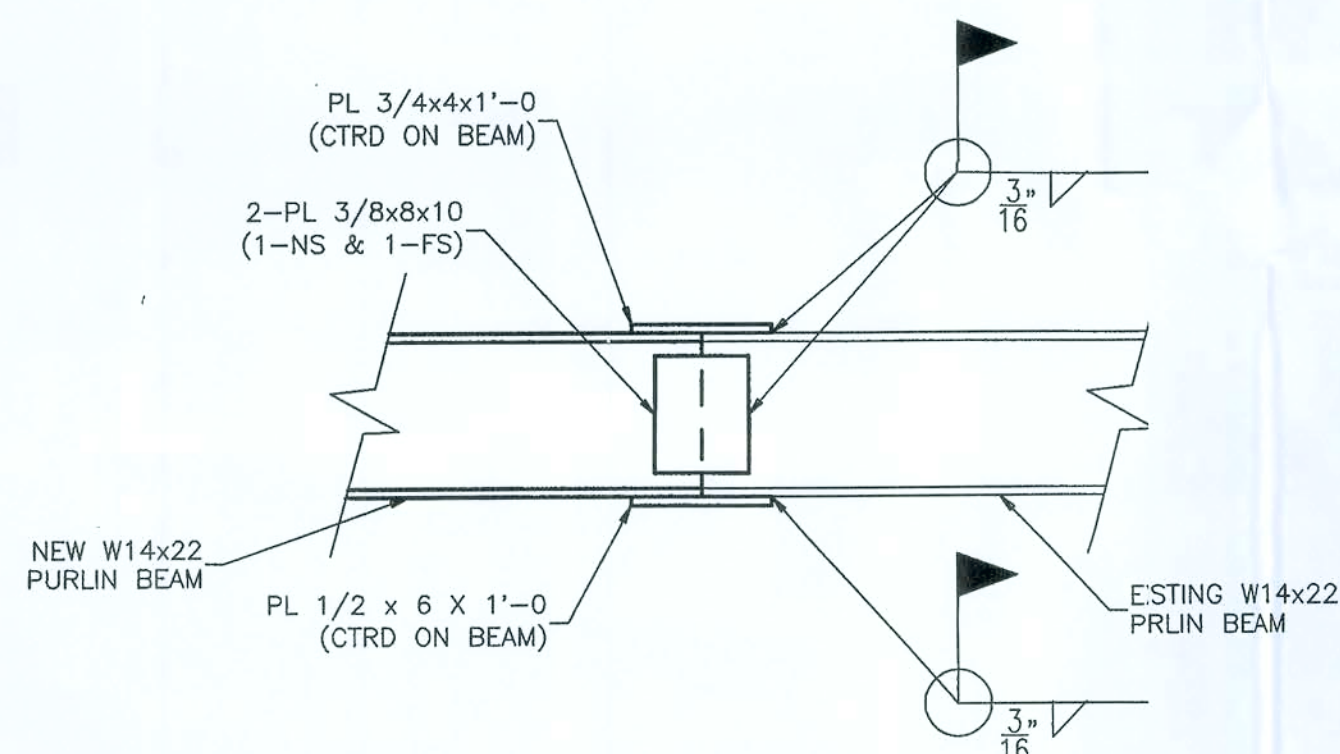
MAY 08 2007



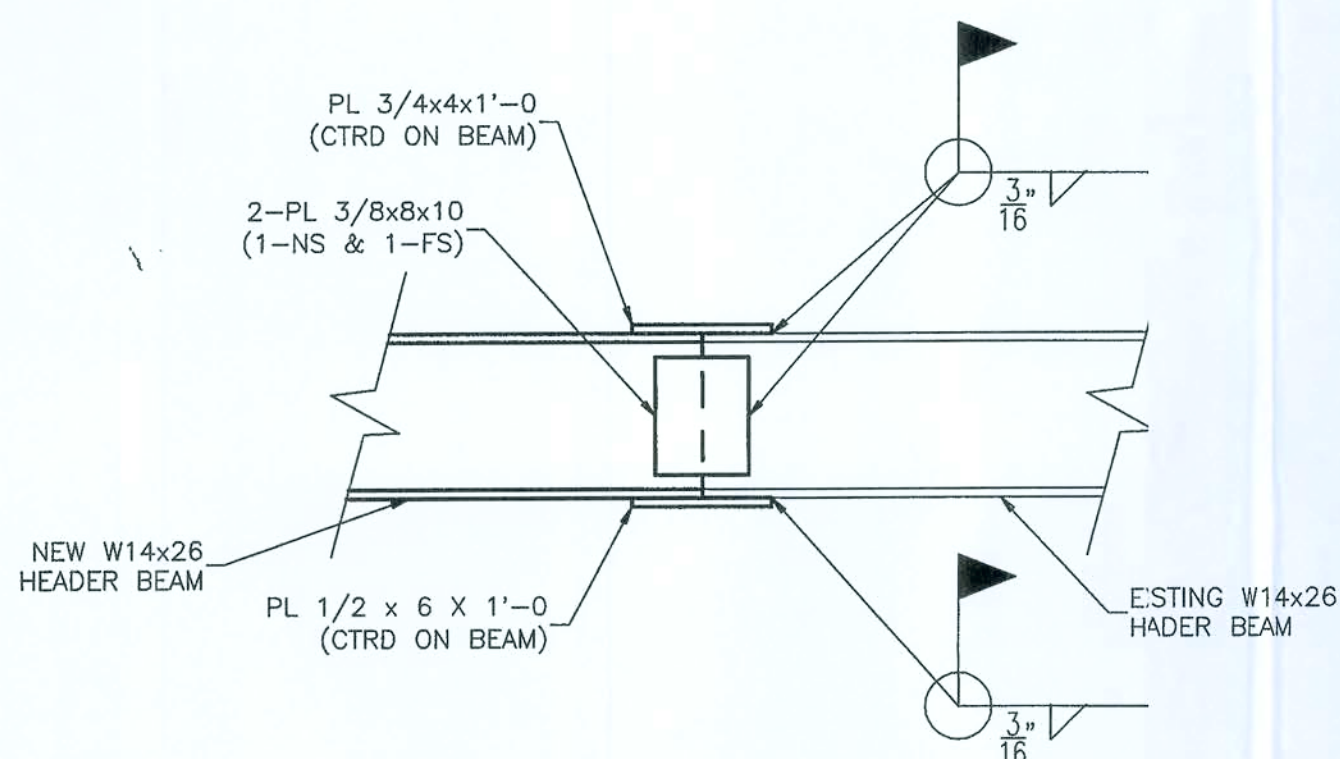
1 SECTION
S-4 SCALE: 3/4" = 1'-0



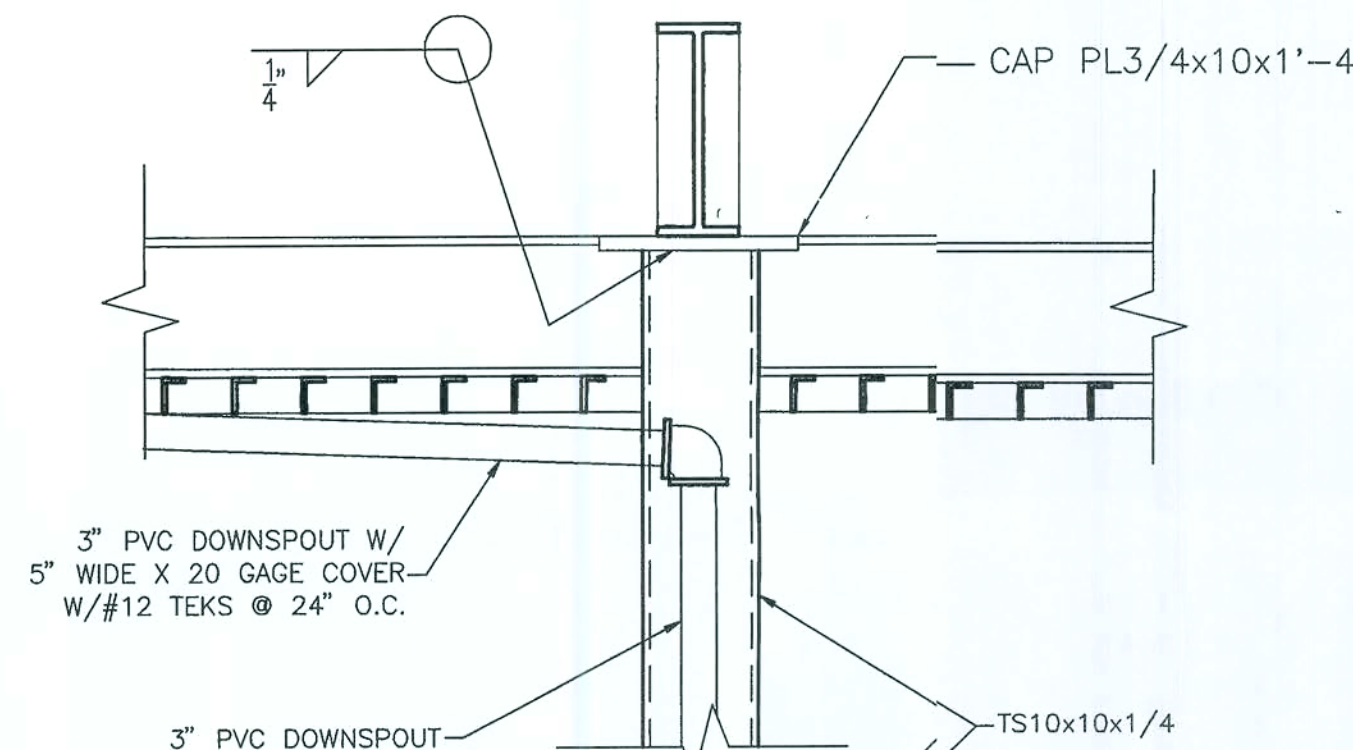
2 SECTION
S-4 SCALE: 3/4" = 1'-0



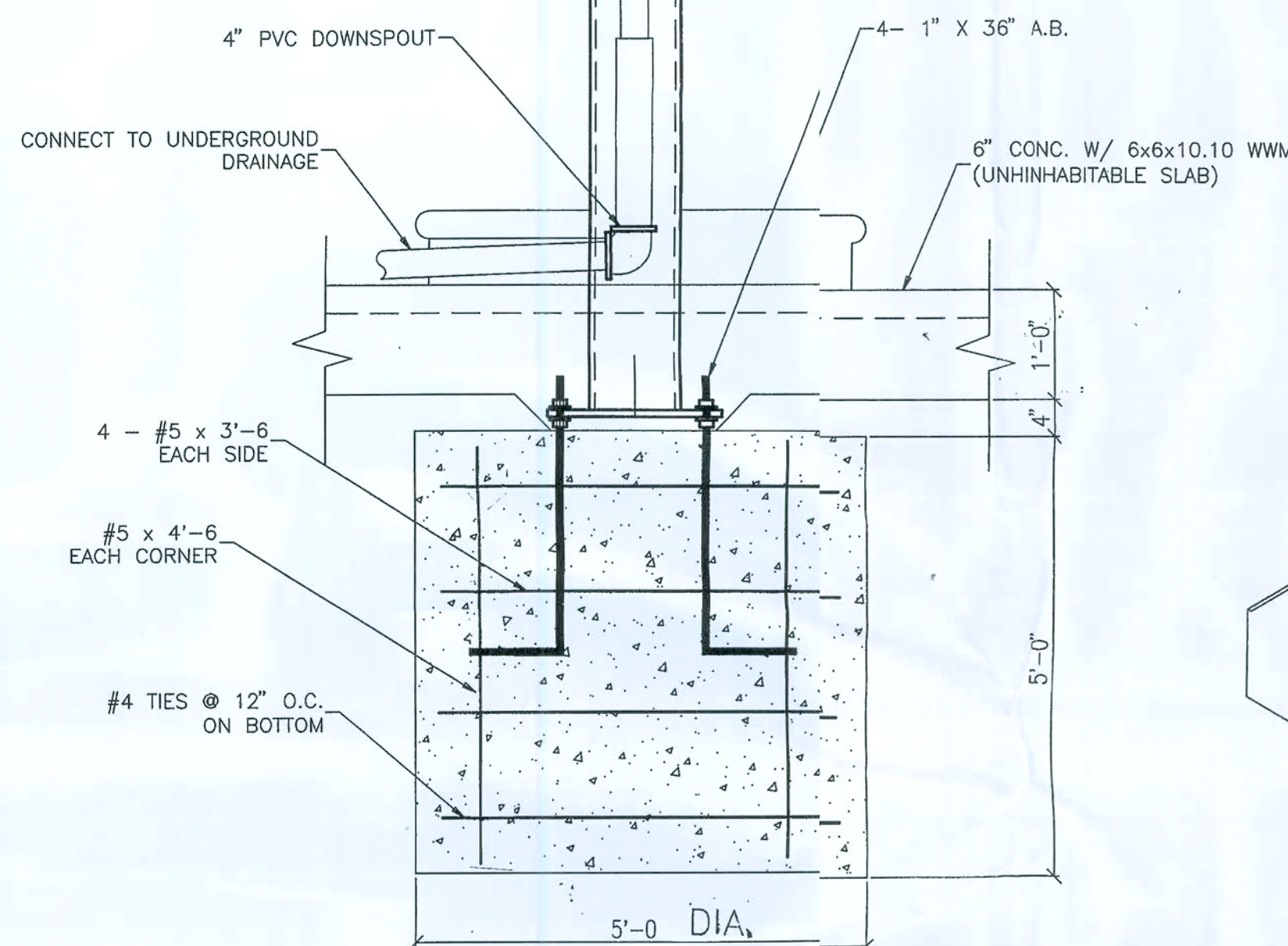
9 TYPICAL PURLIN BEAM
S-4 SPLICE BEAM DETAIL



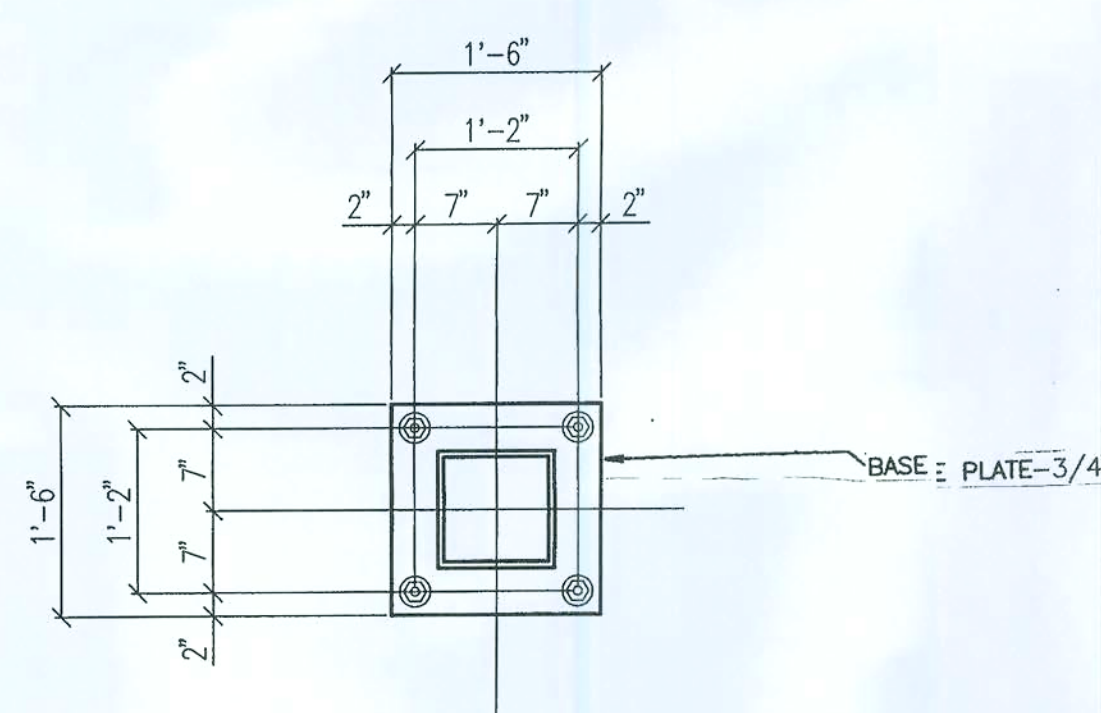
10 TYPICAL HEADER BEAM
S-4 SPLICE BEAM DETAIL



5



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



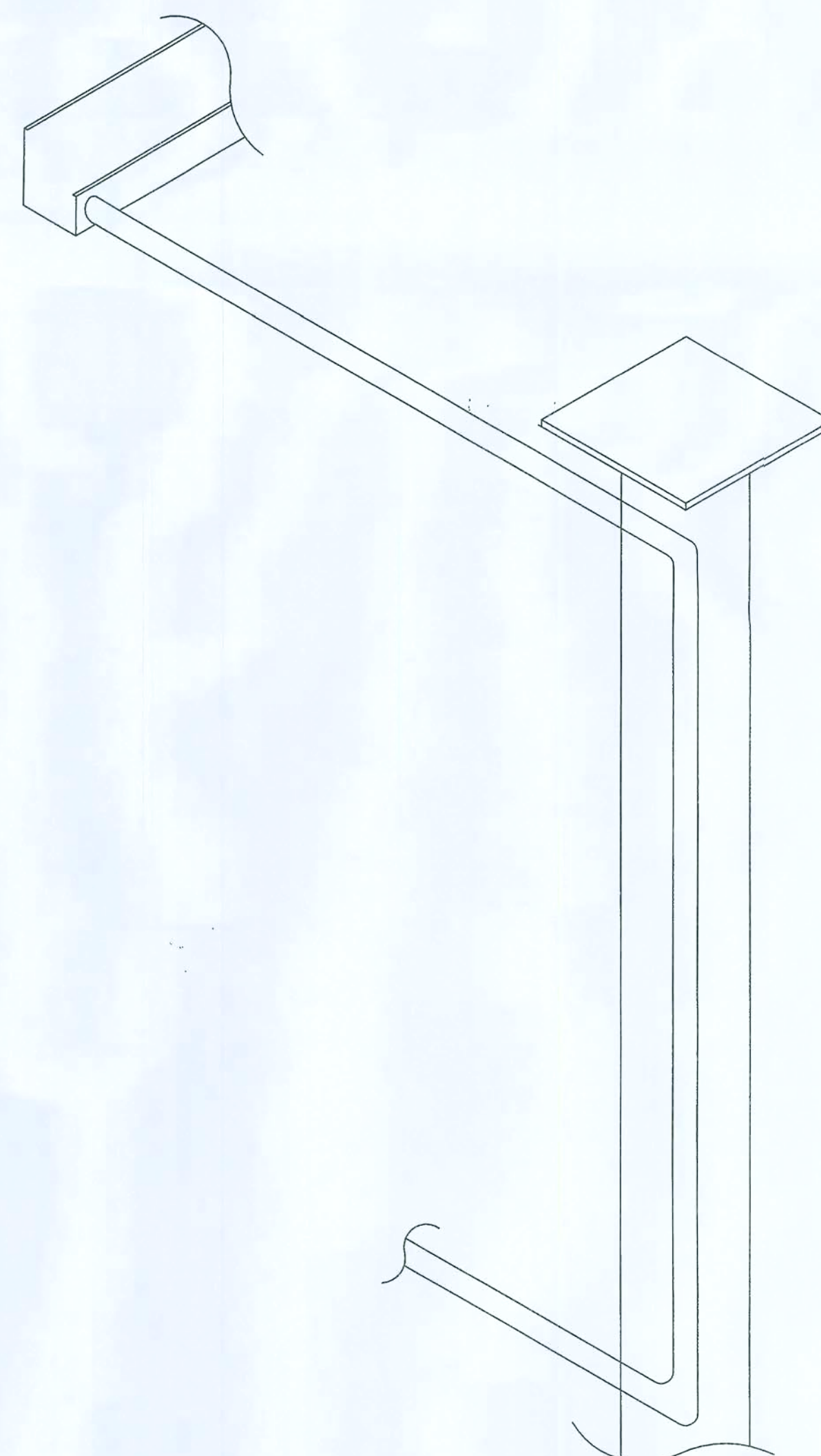
5 FOOTING DETAIL
S-4 SCALE: 3/4" = 1'-0



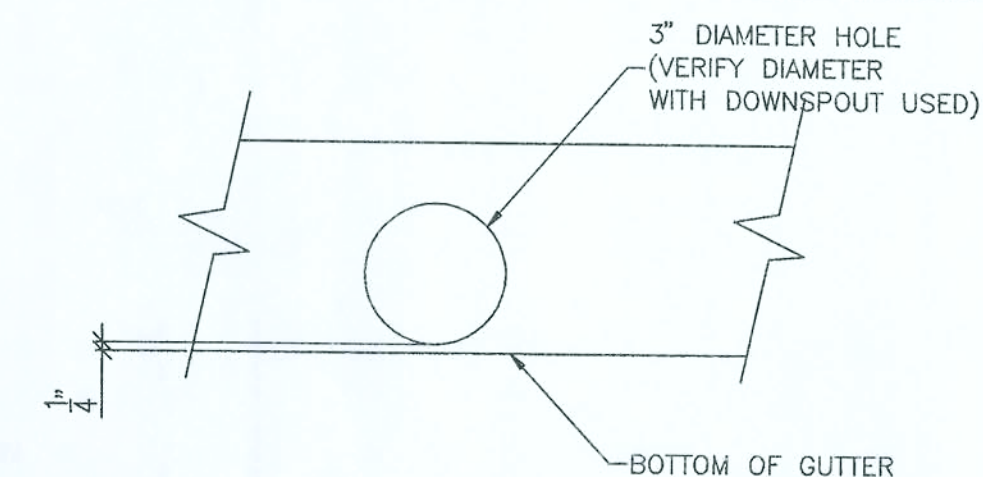
4 FLANGE TO FLANGE
S-4 BEAM CONNECTION
SCALE: NONE

NOTES:
BOLTS TO BE A325 x 2 1/2\"/>

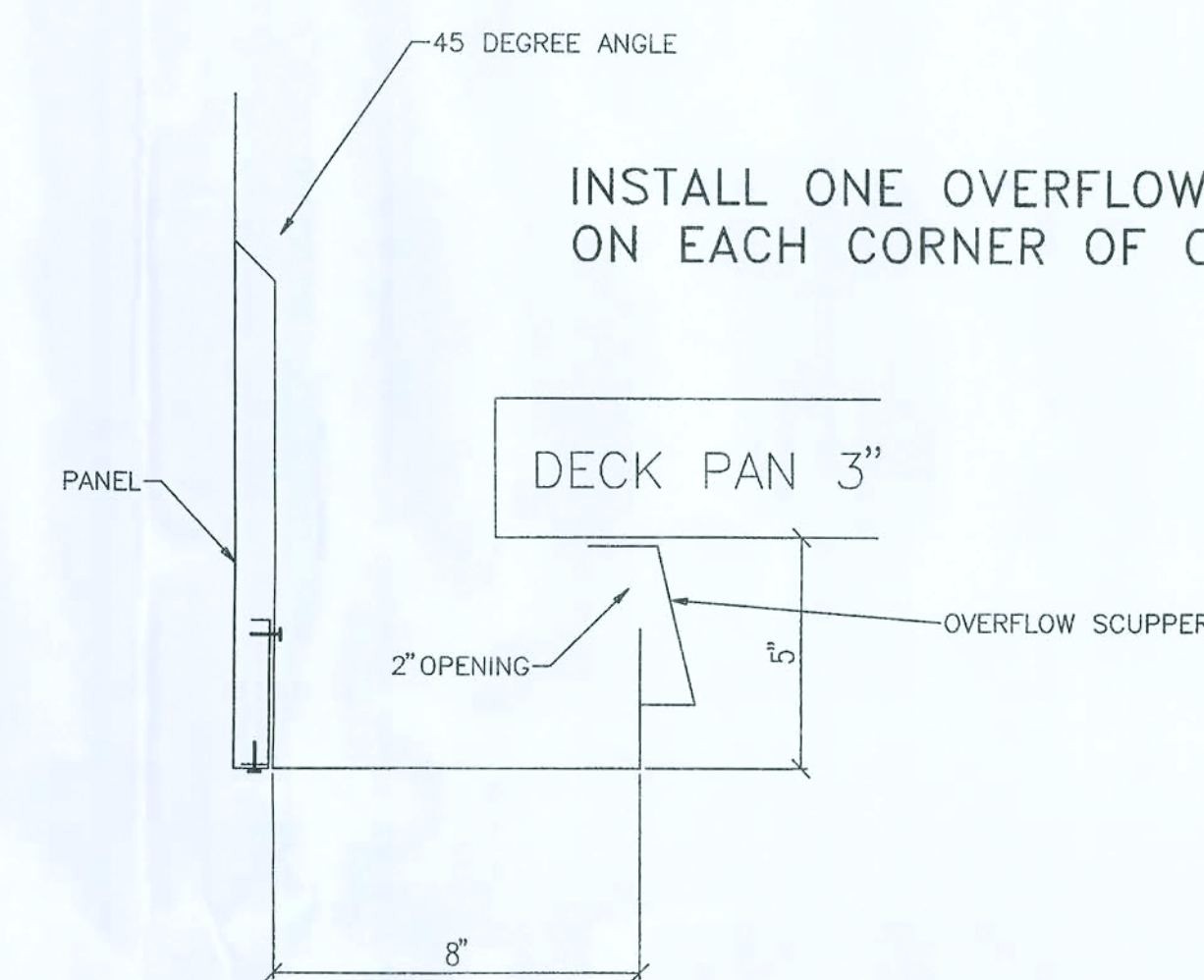
CONNECTIONS MAY BE WELDED IN LIEU OF BOLTED. ALL WELDS SHALL BE IN ACCORDANCE WITH AWS SPECIFICATIONS.



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



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



7 SCUPPER DETAIL
S-4 SCALE: NONE

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

S&S STORE #37 18'x107' CANOPY ADDITION
3519 NORTH HIGHWAY 441
LAKE CITY FLORIDA 32055
SECTIONS AND DETAILS

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

4-30-2007
DWN. BY SC
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JOB NO.
DWG NO.
S-4