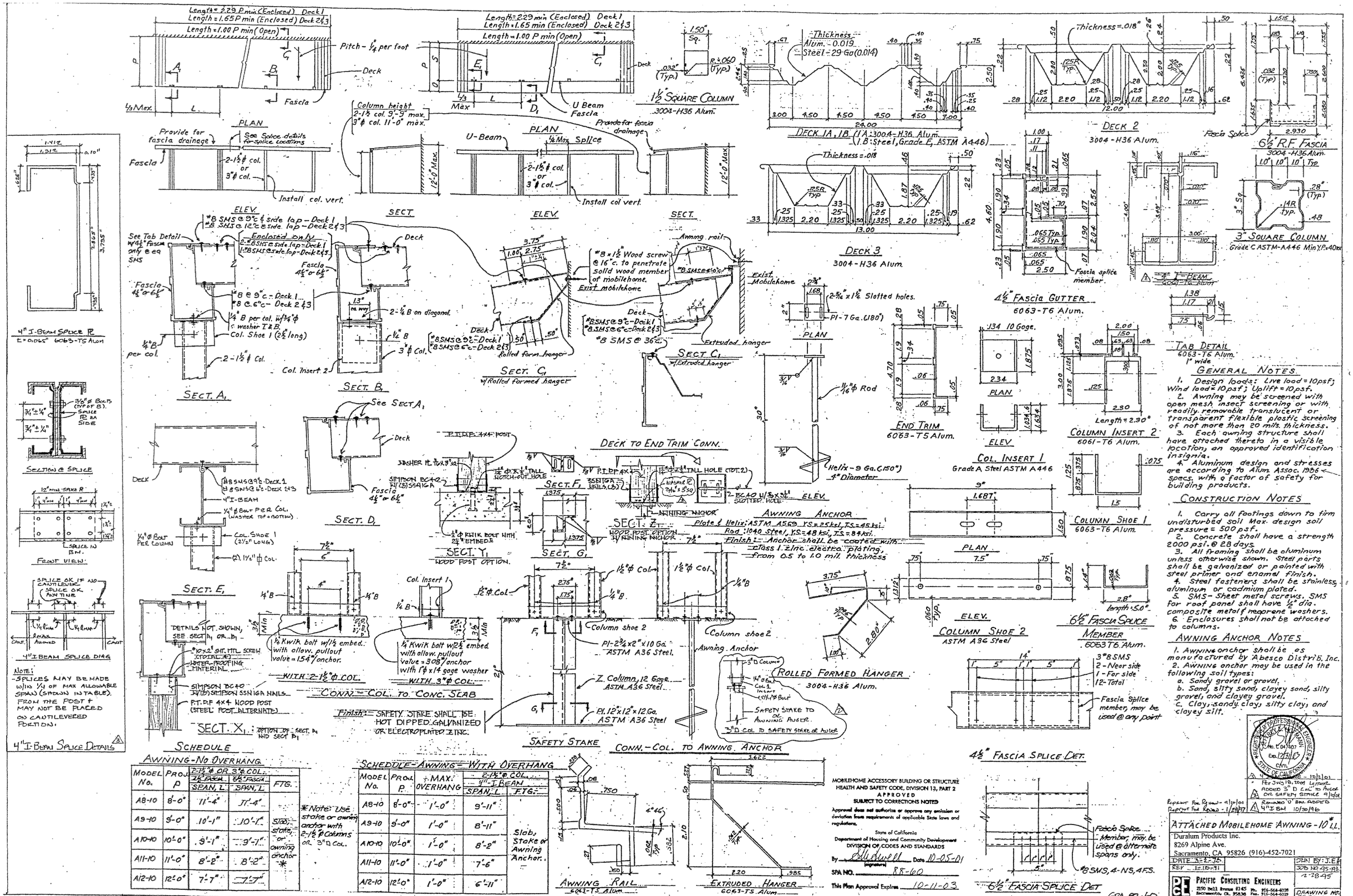
Length = 2.29 P min (Enclosed) Deck 1
Length = 1.65 P min (Enclosed) Deck 2 & 3
Length = 1.00 P min (Open)
Pitch - 1/4" per foot
Deck
Fascia
1/3 Max.
PLAN
Provide for fascia drainage
See Splice details for splice locations
2-1 1/2" ϕ col. or 3" ϕ col.
Install col. vert.
Column height 2-1 1/2" col. 9'-9" max. 3" ϕ col. 11'-0" max.
U-Beam
1/4 Max. Splice
12'-0" Max.
U Beam
ELEV.
SECT.
See Tab Detail w/ 4" Fascia only @ eq SMS
Enclosed only
2-#8 SMS @ side lap - Deck 1
1-#8 SMS @ side lap - Deck 2 & 3
#8 @ 9" c. - Deck 1
#8 @ 6" c. - Deck 2 & 3
1/4" B per col. w/ 3/4" ϕ washer T & B.
Col. Shoe 1 (2 1/2" long)
1/4" B per col.
2-1 1/2" ϕ Col.
Fascia 4 1/2" or 6 1/2"
2-1/4" B on diagonal
1/4" B
3" ϕ Col.
Col. Insert 2
SECT. A1
SECT. B
See SECT A1
Awning rail
#8 x 1 1/2" Wood screw @ 16" c. to penetrate solid wood member of mobilehome.
Exist mobilehome
#8 SMS @ 9" c. - Deck 1
#8 SMS @ 6" c. - Deck 2 & 3
#8 SMS @ 36" c.
Rolled form hanger
SECT. C1 w/ Rolled formed hanger
Extruded hanger
SECT. C1 w/ Extruded hanger
Exist. Mobilehome
2 3/4" x 1 1/4" Slotted holes.
PI-7 Ga. (.180")
1 1/16" ϕ Rod
Helix - 9 Ga. (.150") 4" Diameter
ELEV.
Deck
#8 SMS @ 9 1/2" - Deck 1
#8 SMS @ 6 1/2" - Deck 2 & 3
4" I-BEAM
1/4" ϕ Bolt PER COL. (WASHER TOP + BOTTOM)
Col. Shoe 1 (2 1/2" LONG)
(2) 1 1/2" ϕ Col.
SECT. D
P.T. DF 4x4 POST
SIMPSON BC4Q - H/(2) SSN16A
Fascia 4 1/2" or 6 1/2"
1/4" ϕ Bolt PER COLUMN
1/4" ϕ KWIK BOLT WITH 2 3/4" EMBED
SECT. Y1 WOOD POST OPTION
DECK TO END TRIM CONN.
SECT. F1
SECT. Z1
SECT. G1
WASHER PL 3/8 x 3" x 3"
2-BC4Q W/ 5/8 x 3 1/2" SLOTTED HOLE
MINING ANCHOR
AWNING ANCHOR
Plate & Helix: ASTM A569 YS = 25 ksi, TS = 45 ksi.
Rod: 1040 Steel, YS = 48 ksi, TS = 84 ksi.
Finish: - Anchor shall be coated with Class I Zinc electro plating, from 0.5 to 1.0 mil. thickness
SECT. E1
DETAILS NOT SHOWN, SEE SECT A1 OR B1
#10 x 2" SHT. MTL. SCREW (TOTAL 4)
WATER-PROOFING MATERIAL
SIMPSON BC4Q H/(2) SIMPSON SSN16A NAILS
P.T. DF 4x4 WOOD POST (STEEL POST ALTERNATE)
1/4" Kwik bolt w/ 1 1/2" embed. with allow. pullout value = 154#/anchor.
1/4" Kwik bolt w/ 2 1/2" embed. with allow. pullout value = 308#/anchor with 1" ϕ x 14 gage washer
WITH 2-1 1/2" ϕ COL.
WITH 3" ϕ COL.
CONN. - COL. TO CONC. SLAB
Finish: - SAFETY STAKE SHALL BE HOT DIPPED GALVANIZED OR ELECTROPLATED ZINC.
SECT. X1 : OPTION OF SECT. A1 AND SECT B1
Column shoe 2
PI-2 3/4 x 2" x 10 Ga. ASTM A36 Steel.
Z. Column, 12 Gage ASTM A36 Steel
PI. 12" x 12" x 12 Ga. ASTM A36 Steel
Awning Anchor
3" D Column
1/4" ϕ Bolt
Col. 1 Insert (2) 1/4" ϕ Bolt
SAFETY STAKE TO OR AWNING AUGER.
3" D COL. TO SAFETY STAKE OR AUGER
ROLLED FORMED HANGER
3004-H36 Alum.
SAFETY STAKE
CONN. - COL. TO AWNING ANCHOR
AWNING RAIL
6063-T5 Alum.
EXTRUDED HANGER
6063-T5 Alum.
Thickness: Alum. - 0.019 Steel - 29 Ga (0.014)
DECK 1A, 1B (1A: 3004-H36 Alum. 1B: Steel, Grade E, ASTM A446)
DECK 2
3004-H36 Alum.
Fascia Splice
6 1/2" R.F. FASCIA
3004-H36 Alum.
DECK 3
3004-H36 Alum.
Fascia splice member.
3" SQUARE COLUMN
Grade C ASTM-A446 Min YP = 40ksi
4 1/2" FASCIA GUTTER
6063-T6 Alum.
.134 10 Gage.
END TRIM
6063-T5 Alum.
COL. INSERT 1
Grade A Steel ASTM A446
COLUMN INSERT 2
6061-T6 Alum.
TAB DETAIL
6063-T6 Alum.
1" wide
COLUMN SHOE 1
6063-T6 Alum.
COLUMN SHOE 2
ASTM A36 Steel
6 1/2" FASCIA SPLICE MEMBER
6063 T6 Alum.
3"#8 SMS
2 - Near side
1 - For side
12 - Total
Fascia Splice member, may be used @ any point
4 1/2" FASCIA SPLICE DET.
Fascia Splice Member, may be used @ alternate spans only.
#8 SMS, 4-NS, 4 F.S.
6 1/2" FASCIA SPLICE DET
4" I-BEAM SPLICE PL
E = 0.065" 6063-T5 ALUM
3/8" ϕ BOLTS (TYP OF 8).
SPLICE PL ON SIDE
SECTION @ SPLICE
FRONT VIEW
SPLICE IN BM.
SPLICE OK IF NO CANTILEVER. SPLICE OK PER TINE.
4" I BEAM SPLICE DIAG
NOTE:
- SPLICES MAY BE MADE W/ IN 1/4 OF MAX ALLOWABLE SPAN (SHOWN IN TABLE). FROM THE POST + MAY NOT BE PLACED ON CANTILEVERED PORTION.
4" I-BEAM SPLICE DETAILS
GENERAL NOTES.
1. Design loads: Live load = 10psf; Wind load = 10psf; Uplift = 10psf.
2. Awning may be screened with open mesh insect screening or with readily removable translucent or transparent flexible plastic screening of not more than 20 mils. thickness.
3. Each awning structure shall have attached thereto in a visible location, an approved identification insignia.
4. Aluminum design and stresses are according to Alum. Assoc. 1986 specs. with a factor of safety for building products.
CONSTRUCTION NOTES
1. Carry all footings down to firm undisturbed soil Max. design soil pressure = 500 psf.
2. Concrete shall have a strength 2000 psi @ 28 days.
3. All framing shall be aluminum unless otherwise shown. Steel parts shall be galvanized or painted with steel primer and enamel finish.
4. Steel fasteners shall be stainless, aluminum or cadmium plated.
5. SMS - Sheet metal screws. SMS for roof panel shall have 1/2" dia. composite metal/neoprene washers.
6. Enclosures shall not be attached to columns.
AWNING ANCHOR NOTES
1. Awning anchor shall be as manufactured by Abesco Distrib. Inc.
2. Awning anchor may be used in the following soil types:
a. Sandy gravel or gravel.
b. Sand, silty sand, clayey sand, silty gravel, and clayey gravel.
c. Clay, sandy clay, silty clay, and clayey silt.
SCHEDULE
AWNING - NO OVERHANG
SCHEDULE - AWNING - WITH OVERHANG
MODEL No. | PROJ. P | 2-1 1/2" ϕ OR 3" ϕ COL. 1/2" FASCIA SPAN, L | 6 1/2" FASCIA SPAN, L | FTG.
A8-10 | 8'-0" | 11'-4" | 11'-4"
A9-10 | 9'-0" | 10'-1" | 10'-1"
A10-10 | 10'-0" | 9'-1" | 9'-1"
A11-10 | 11'-0" | 8'-2" | 8'-2"
A12-10 | 12'-0" | 7'-7" | 7'-7"
Slab, stake or owning anchor *
*Note: Use stake or owning anchor with 2-1 1/2" ϕ columns or 3" ϕ col.
MODEL No. | PROJ. P | MAX. OVERHANG | 2-1 1/2" ϕ COL. 4" I BEAM SPAN, L | FTG.
A8-10 | 8'-0" | 1'-0" | 9'-11"
A9-10 | 9'-0" | 1'-0" | 8'-11"
A10-10 | 10'-0" | 1'-0" | 8'-2"
A11-10 | 11'-0" | 1'-0" | 7'-6"
A12-10 | 12'-0" | 1'-0" | 6'-11"
Slab, Stake or Awning Anchor.
MOBILEHOME ACCESSORY BUILDING OR STRUCTURE
HEALTH AND SAFETY CODE, DIVISION 13, PART 2
APPROVED
SUBJECT TO CORRECTIONS NOTED
Approval does not authorize or approve any omission or deviation from requirements of applicable State laws and regulations.
State of California
Department of Housing and Community Development
DIVISION OF CODES AND STANDARDS
By (signature) Date 10-05-01
SPA NO. 88-60
This Plan Approval Expires 10-11-03
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
Exp. 12/31/01
Per July 18, 1001 Letter. Added 3" D Col. to Anchor or Safety Stake 9/10/01
Revised 'D' BM. Added 4" I BM 10/30/96
Report For Round - 9/10/01
Report For Round - 1/28/97
ATTACHED MOBILEHOME AWNING - 10# LL.
Duraluminum Products Inc.
8269 Alpine Ave.
Sacramento, CA 95826 (916)-452-7021
DATE 3-21-95
REV - 12-10-91
DWN BY: J.E.
JOB NO 95-82
2-28-95
PACIFIC CONSULTING ENGINEERS
2150 Bell Avenue #145 Ph. 916-564-6028
Sacramento, CA. 95838 Fax. 916-564-6029
DRAWING NO. 1105-K-1
SPA-88-60