

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read
Application And
Notes, If Any,
Attached

BUILDING DEPARTMENT

PERMIT

PERMIT ISSUED
JUL 07 2004
CITY OF PORTLAND

Permit Number: 040861

This is to certify that W H Nichols Company/Sheffield Corporation
has permission to Build 27x26 dumpster shed
AT 2400 Congress St 236 A003001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is altered or closed-in. HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. [Signature]
Health Dept.
Appeal Board
Other

DepartmentName

[Signature]
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

PERMIT ISSUED

Permit No: 04-0861	Issue Date: JUL 07 2004	CPL: 236 A003001
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Location of Construction: 2400 Congress St	Owner Name: W H Nichols Company	Owner Address: 6035 Parkland Blvd	Phone: 761-9117
Business Name:	Contractor Name: Sheridan Corporation	Contractor Address: PO Box 359 Fairfield	Phone: 2074539311
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone: I-N

Past Use: Dumpster pad w/tarp cover	Proposed Use: Dumpster pad w/shed roof	Permit Fee: \$255.00	Cost of Work: \$25,090.00	CEO District: 3
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group F-1 Type 2C	

Proposed Project Description: Build 27x26 dumpster shed roof over dumpster	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
Signature:		Date:

Permit Taken By: jodinea	Date Applied For: 06/24/2004	Zoning Approval		
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..</p>	<p>Special Zone or Reviews</p> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan #2004-0117 Maj <input type="checkbox"/> Minor <input checked="" type="checkbox"/> MM <input type="checkbox"/> Date: <i>[Signature]</i> 7/1/04	<p>Zoning Appeal</p> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	<p>Historic Preservation</p> <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>[Signature]</i>
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 04-0861	Date Applied For: 06/24/2004	CBL: 236 A003001
------------------------------	--	----------------------------

Location of Construction: 2400 Congress St	Owner Name: W H Nichols Company	Owner Address: 6035 Parkland Blvd	Phone: () 761-9117
Business Name:	Contractor Name: Sheridan Corporation	Contractor Address: PO Box 359 Fairfield	Phone: (207) 453-9311
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	

Proposed Use: Dumpster pad w/shed roof	Proposed Project Description: Build 27x26 dumpster shed roof
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Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 07/06/2004
Note: **Ok to Issue:**

1) Steel erection subject to Special Inspections see Statement of S/I from Sheridan Corp.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Lt. MacDougal **Approval Date:** 07/01/2004
Note: **Ok to Issue:**

1) If the dumpster enclosure is completely enclosed, the sprinkler system shall be extended to the structure.

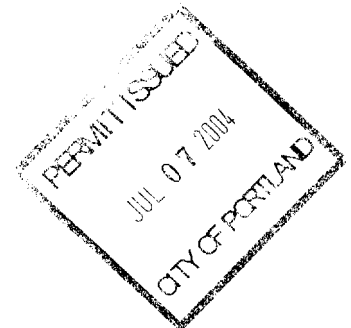
Dept: Fire **Status:** Approved **Reviewer:** Lt. MacDougal **Approval Date:** 06/16/2004
Note: **Ok to Issue:**

Dept: Planning **Status:** Approved **Reviewer:** Sarah Hopkins **Approval Date:** 06/18/2004
Note: **Ok to Issue:**

Comments:

7/2/2004-mjn: On Hold See memo attached to permit, faxed to Dana Sturdivant

responded appropriately...mjn



**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Zoning Copy**

2004-0117
Application I D. Number

6111/04
Application Date

W H Nichols Company
Applicant
6035 Parkland Blvd, Cleveland, OH 44124
Applicant's Mailing Address

Dumpster Shed Roof
Project Name/Description

Consultant/Agent
Agent Ph: _____ **Agent Fax:** _____
Applicant or Agent Daytime Telephone, Fax
2400 - 2400 Congress St, Portland, Maine
Address of Proposed Site
236 A003001
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) **Dumpster Shed Roof**

Proposed Building square Feet or #of Units _____ Acreage of Site _____ **IM**
Zoning

Check Review Required:

Site Plan (major/minor) Subdivision # of lots PAD Review 14-403 Streets Review
 Flood Hazard Shoreland Historic Preservation DEP Local Certification
Zoning Conditional Use (ZBA/PB) Zoning Variance Other _____

Fees Paid: Site Plan _____ Subdivision _____ Engineer Review _____ Date: _____

Zoning Approval Status:

Approved Approved w/Conditions See Attached Denied
Approval Date _____ Approval Expiration _____ Extension to _____ Additional Sheets Attached
 Condition Compliance _____
signature _____ date _____

Performance Guarantee Required' Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

<input type="checkbox"/> Performance Guarantee Accepted	_____	_____	_____
	date	amount	expiration date
<input type="checkbox"/> Inspection Fee Paid	_____	_____	
	date	amount	
<input type="checkbox"/> Building Permit Issued	_____		
	date		
<input type="checkbox"/> Performance Guarantee Reduced	_____	_____	_____
	date	remaining balance	signature
<input type="checkbox"/> Temporary Certificate of Occupancy	_____	<input type="checkbox"/> Conditions (See Attached)	_____
	date		expiration date
<input type="checkbox"/> Find Inspection	_____	_____	
	date	signature	
<input type="checkbox"/> Certificate Of Occupancy	_____		
	date		
<input type="checkbox"/> Performance Guarantee Released	_____	_____	
	date	signature	
<input type="checkbox"/> Defect Guarantee Submitted	_____	_____	_____
	submitted date	amount	expiration date



Commercial Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>NI</u> <u>PORTLAND; 2400 CONGRESS ST;</u>		
Total Square Footage of Proposed Structure <u>702 SQFT</u>		Square Footage of Lot <u>NO CHANGE</u>
Tax Assessor's Chart, Block & Lot Chart# <u>236</u> Block# <u>A</u> Lot# <u>003</u>	Owner: <u>NICHOLS PORTLAND</u> <u>A DIVISION OF</u> <u>PARKER HANNIFIN CORP.</u>	Telephone: <u>761-9117</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>NICHOLS PORTLAND</u> <u>2400 CONGRESS ST.</u> <u>PORTLAND, ME 04102</u> <u>ATTN: MICHAEL BREWER</u>	Cost Of Work: \$ <u>25,090⁰⁰/₁₀₀</u> Fee: \$ <u>246⁸¹</u>
Current Specific use: <u>DUMPSTER PAD W/ TARP COVER</u>		
Proposed Specific use: <u>DUMPSTER PAD W/ SHED ROOF</u>		
Project description: <u>27' x 26' DUMPSTER SHED ROOF @</u> <u>CURRENT DUMPSTER LOCATION. SEE ATTACHED</u> <u>PLAN.</u>		
Contractor's name, address & telephone: <u>THE SHERIDAN CORPORATION</u> <u>453-9311</u>		
Who should we contact when the permit is ready: <u>KEN LAMOREAUX</u>		
Mailing address: <u>33 SHERIDAN DR.</u> <u>FAIRFIELD, ME 04937.</u>		Phone: <u>453-9311</u>

Please submit all of the information outlined in the Residential Application Checklist. Failure to do so will result in the automatic denial of your permit.

At the discretion of the Planning and Development Department, additional information may be required prior to permit approval. For further information stop by the Building Inspections office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant:

Nichols Portland, PROJECT MAN. Date: 6/21/04

Permit Fee: \$30.00 for the first \$1000.00 Construction Cost, \$9.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.

Memorandum

To: Dana Sturdivant
From: Mike Nugent/Manager of Inspection Services
Date: 07/02/2004
Re: 2400 Congress St. (236 A003)

I have commenced reviewing the plans for the above project and need the following information:

- 1) Please provide the design standard that was used in calculating the Flat Roof Snow Load.
- 2) Please provide a code justification for the omission of footings for three of the four w18 x 31 vertical supports.
- 3) **Is** there any structural impact on the existing structure, ie additional loads to the abutting walls?
- 4) There is no source information for the steel, nor a fastener plan, sheathing and finish schedule fore the roofing materials.
- 5) This project will require Special Inspections for the Steel and fasteners pursuant to Section 1705 of the Code.
- 6) There is a vent for an appliance of some sort shown in the photo's. Please provide a plan showing how this will be redirected and also what type of appliance it vents.



The Sheridan Corporation

PO Box 359, Fairfield, ME 04937
 Phone (207) 453-9311, Fax (207) 453-2820
 PO Box 689, Westbrook, ME 04098
 Phone (207) 774-6138, Fax (207) 774-2885
 www.sheridancorp.com

LETTER OF TRANSMITTAL

DATE	6-22-04	JOB NO.	83864
ATTENTION	Mr. Michael Nugent		
RE	Nichols of Portland		
Structural Plan for Building Permit Nichols of Portland 2400 Congress Street Portland, Maine			

TO Code Office
City Hall
389 Congress St., Rm. 315, Portland, Maine 04101

GENTLEMEN:

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:
 Shop drawings Prints Plans Samples Specifications
 Copy of letter Changeorder _____

COPIES	DATE	NO.	DESCRIPTION
1	6-21-04	N. A.	Building Permit Application
1	6-22-04	N. A.	P. D. F. Disc
1	6-21-04	N. A.	Check in the amount of \$246.81 for permit
2	6-18-04	F-1	Foundation and Structural Detail Plan- stamped
			(Hand carried)
1	6-11-04	N. A.	Copy of Letter to Planning Dept-Request for Site Review

THESE ARE TRANSMITTED as checked below:

For approval Approved as submitted Resubmit _____ copies for approval
 For your use Approved as noted Submit _____ copies for distribution
 As requested Returned for corrections Return _____ corrected prints
 For review and comment _____
 FORBIDSDUE _____ 20 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS:

Please review this plan. We request your review and approval of this project at the earliest date possible.

Thank you.

COPY TO: Wil Ferland, Proj. Manager

SIGNED:

If enclosures are not as noted, kindly notify us at once.



CITY OF PORTLAND

Division Directors
Mark B. Adelson
Housing & Neighborhood Services

Alexander Q. Jaegerman, AICP
Planning

John N. Lufkin
Economic Development

June 20, 2004

JUN 22 2004

Wilber Ferland ✓

Sheridan Corporation
P.O. Box 359
Fairfield, ME 04937

RE: W H Nichols Dumpster Shed Roof at 2400 Congress Street
CBL: 236 A003001

Dear Mr. Ferland:

On June 18, 2004, the Portland Planning Authority approved the dumpster shed roof at 2400 Congress Street, as shown on the approved plan.

The approval is based on the submitted site plan. If you need to make any modifications to the approved site plan, you must submit a revised site plan for staff review and approval.

Prior to construction, a pre-construction meeting shall be held at the project site with the contractor, development review coordinator, Public Work's representative and owner to review the construction schedule and critical aspects of the site work. It shall be the contractor's responsibility to arrange a mutually agreeable time for the pre-construction meeting.

The Development Review Coordinator must be notified five (5) working days prior to date required for final site inspection. The Development Review Coordinator can be reached at the Planning Division at 874-8632. Please note that no Certificates of Occupancy will be issued until all site improvements have been completed and inspected in the field by the Development Review Coordinator.

If there are any questions, please contact Sarah Hopkins at 874-8720.

Sincerely,

Alexander Jaegerman
Planning Division Director

cc: Sarah Hopkins, Development Review Services Manager
Jay Reynolds, Development Review Coordinator
Marge Schmuckal, Zoning Administrator
Inspections Division
Eric Labelle, City Engineer
Correspondence File

O:\PLAN\DEVREVW\congress2400\apprvlltr.doc

WJ
- 1 - 041010

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM**

Zoning Copy

2004-0117

Application I. D. Number

6/11/2004

Application Date

Dumpster Shed Roof

Project Name/Description

W H Nichols Company

Applicant

6035 Parkland Blvd, Cleveland, OH 44124

Applicant's Mailing Address

Consultant/Agent

Agent Ph:

Agent Fax:

Applicant or Agent Daytime Telephone, Fax

2400 - 2400 Congress St, Portland, Maine

Address of Proposed Site

236 A003001

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) Dumpster Shed Roof

Proposed Building square Feet or # of Units

Acreeage of Site

IM

Zoning

Check Review Required:

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Site Plan
(major/minor) | <input type="checkbox"/> Subdivision
of lots _____ | <input type="checkbox"/> PAD Review | <input type="checkbox"/> 14-403 Streets Review |
| <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Shoreland | <input type="checkbox"/> Historic Preservation | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional
Use (ZBA/PB) | <input type="checkbox"/> Zoning Variance | | <input type="checkbox"/> Other _____ |

Fees Paid: Site Pla _____ Subdivision _____ Engineer Review _____ Date _____

Zoning Approval Status:

Reviewer

*Marge Schmuckel -
Inspection*

- Approved Approved w/Conditions
See Attached Denied

Approval Date _____ Approval Expiration _____ Extension to _____ Additional Sheets
Attached

Condition Compliance _____
signature _____ date _____

Performance Guarantee Required* Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

- | | | | |
|---|----------------|--|-----------------|
| <input type="checkbox"/> Performance Guarantee Accepted | _____ | _____ | _____ |
| | date | amount | expiration date |
| <input type="checkbox"/> Inspection Fee Paid | _____ | _____ | |
| | date | amount | |
| <input type="checkbox"/> Building Permit Issue | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Reduced | _____ | _____ | _____ |
| | date | remaining balance | signature |
| <input type="checkbox"/> Temporary Certificate of Occupancy | _____ | <input type="checkbox"/> Conditions (See Attached) | _____ |
| | date | | expiration date |
| <input type="checkbox"/> Final Inspection | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Certificate Of Occupancy | _____ | | |
| | date | | |
| <input type="checkbox"/> Performance Guarantee Released | _____ | _____ | |
| | date | signature | |
| <input type="checkbox"/> Defect Guarantee Submitted | _____ | _____ | _____ |
| | submitted date | amount | expiration date |
| <input type="checkbox"/> Defect Guarantee Released | _____ | _____ | |
| | date | signature | |



Sheridan

The Sheridan Corporation

PO Box 359 Fairfield, ME 04937

Phone (207)453-9311

fax (207)453-2820

www.sheridancorp.com

June 11, 2004

Sarah Greene Hopkins, Development Review Services Manager
City of Portland
389 Congress Street
Portland, ME 04101

RE: Nichols Portland; 2400 Congress Street
Proposed Dumpster Shed Roof

Dear Mrs. Hopkins:

Per our conversation on May 25, you informed me that the shed roof we are proposing to construct at Nichols Portland had to go through a staff site review since it was larger than 500 square feet thereby disqualifying the proposed project from an exemption.

Attached are the proposed construction plan view, a cross section of the proposed shed roof, and a copy of a photograph depicting the existing site condition (seven copies of each). As you see, this shed roof is being constructed **over** an existing impervious surface – asphalt and an exterior concrete slab. **This** structure will not change the storm water flow in any way. The existing slab and asphalt slopes to an existing catch basin, as depicted on the attached sketch and copy of the photo.

Our in-house engineering department is currently drafting the structural drawing and should be forwarding this plan to Mike Nugent next week.

Please review the attached information and give me a call with any questions. If you prefer, I would be more than happy to meet you on site to discuss the proposed project in more detail. I may be reached at 453-9311.

Also attached is a check for \$400.00, for the **staff site** review fee.

Sincerely,

Wilbur Ferland
Project Manager

Cc: KL, DS, Mike Brewer @ Nichols Portland, File M041011



Sheridan

April 12, 2004

The Sheridan Corporation

PO Box 359 Fairfield, ME 04937

Phone (207)453-9311

Fax (207)453-2820

www.sheridancorp.com

Michael Brewer; Environmental, Health & Safety Manager
Nichols Portland
2400 Congress Street
Portland, ME 04102

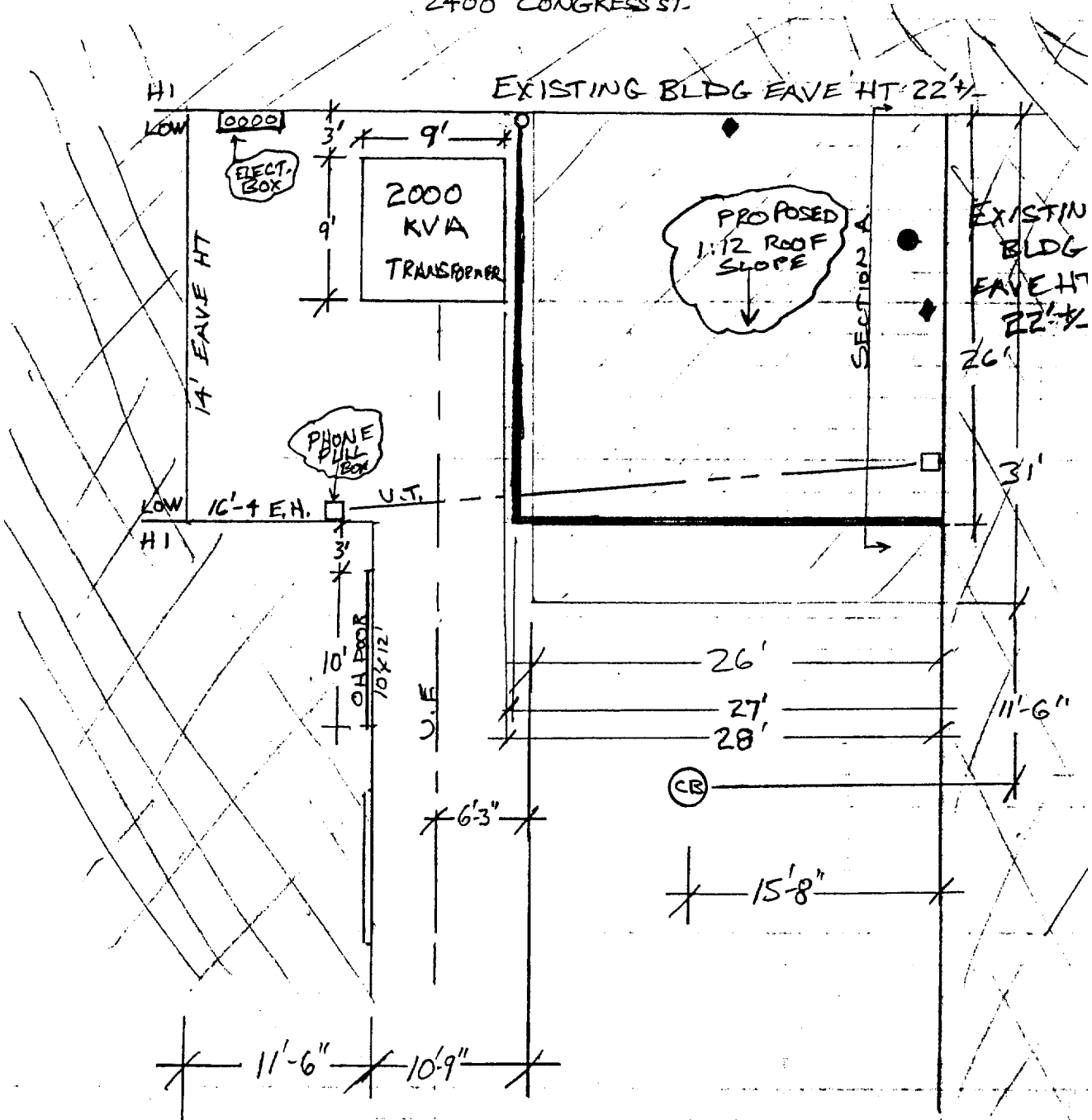
**RE: Proposal for Dumpster Shelter.
SCC Proposal No.: 83864**

Dear Mr. Brewer:

As requested, The Sheridan Corporation is pleased to quote the following scope of work to at your facility.

1. Furnish engineered drawings stamped by a professional engineer registered in the state of Maine. The proposed shelter would be designed in accordance with the BOCA '99 code and would be designed for drifting snow from the existing buildings.
2. Cut, remove, and dispose of an approximate 4' x 8' area of asphalt pavement to allow for installation of one column footing. Due to the underground utilities, we have planned on hand excavating for this footing.
3. Furnish and install one column footing located closest to the garage. The concrete used would have $\frac{3}{4}$ " stone and would have a strength design of 3000 PSI. The top of footing would be even with the existing dumpster pad. The anchor bolts would remain exposed. It is assumed that the existing soil has a bearing capacity of 3000 PSF. Two inch high density rigid insulation will be placed at the bottom of the footing. Due to subsurface interferences, the remaining three columns would be clipped / chemically anchored to the existing building foundation curb walls.
4. Backfill the footing and patch the demolished pavement area with 2" of asphalt pavement.
5. Provide and install a dumpster enclosure that is approximately 26' wide by 27' long by 16' nominal eave height. This enclosure would consist of two main frames, brace rods, roof purlins, Butler's BR11 24 ga. ALZN roof panels, and BR11 26 ga. wall panels from the roof down to 12' above the dumpster slab. Also included would be reglets / flashings cut into the two common masonry walls to seal the roof to the existing building along the rear endwall and rear sidewall. The front endwall would receive a gable trim. An exterior gutter with one downspout would be installed at the low eave. The wall panel, trim, and gutter colors would be selected from Butler's standard color offerings. (See the attached sketches.)
6. All structural steel and brace rods would be shop coated with rust inhibitive gray primer.
7. Included is one roof flashing to seal the existing boiler stack.

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



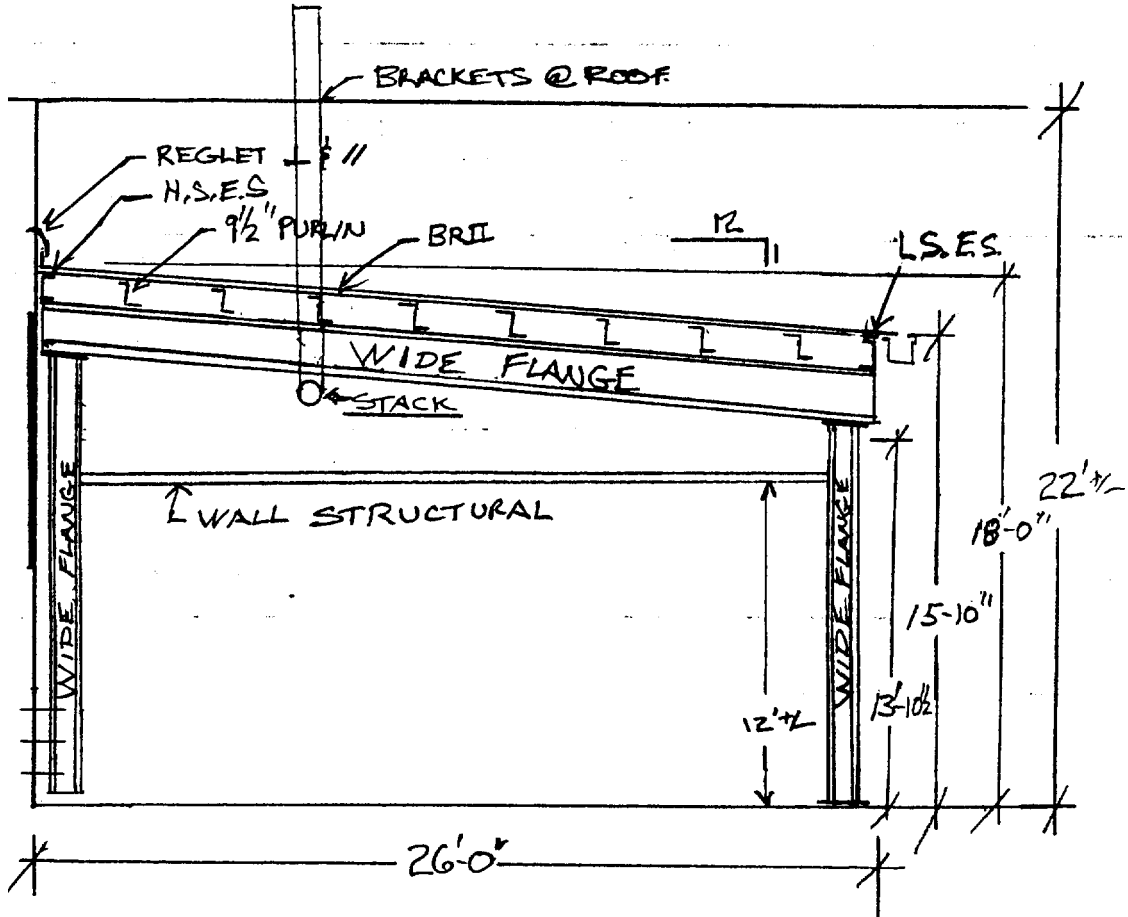
PLAN VIEW

PROPOSED STRUCTURE:
26' WIDEX 27' LONG X 15'-10" E.H.

LEGEND:

- U.E.
- U.T. (16" B.F.G.)
- - PHONE PULL BOX
- //// - EXISTING SLAB
- XXXX - EXISTING BLDG.
- - TANK VENT.
- ◆ - BRACING

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

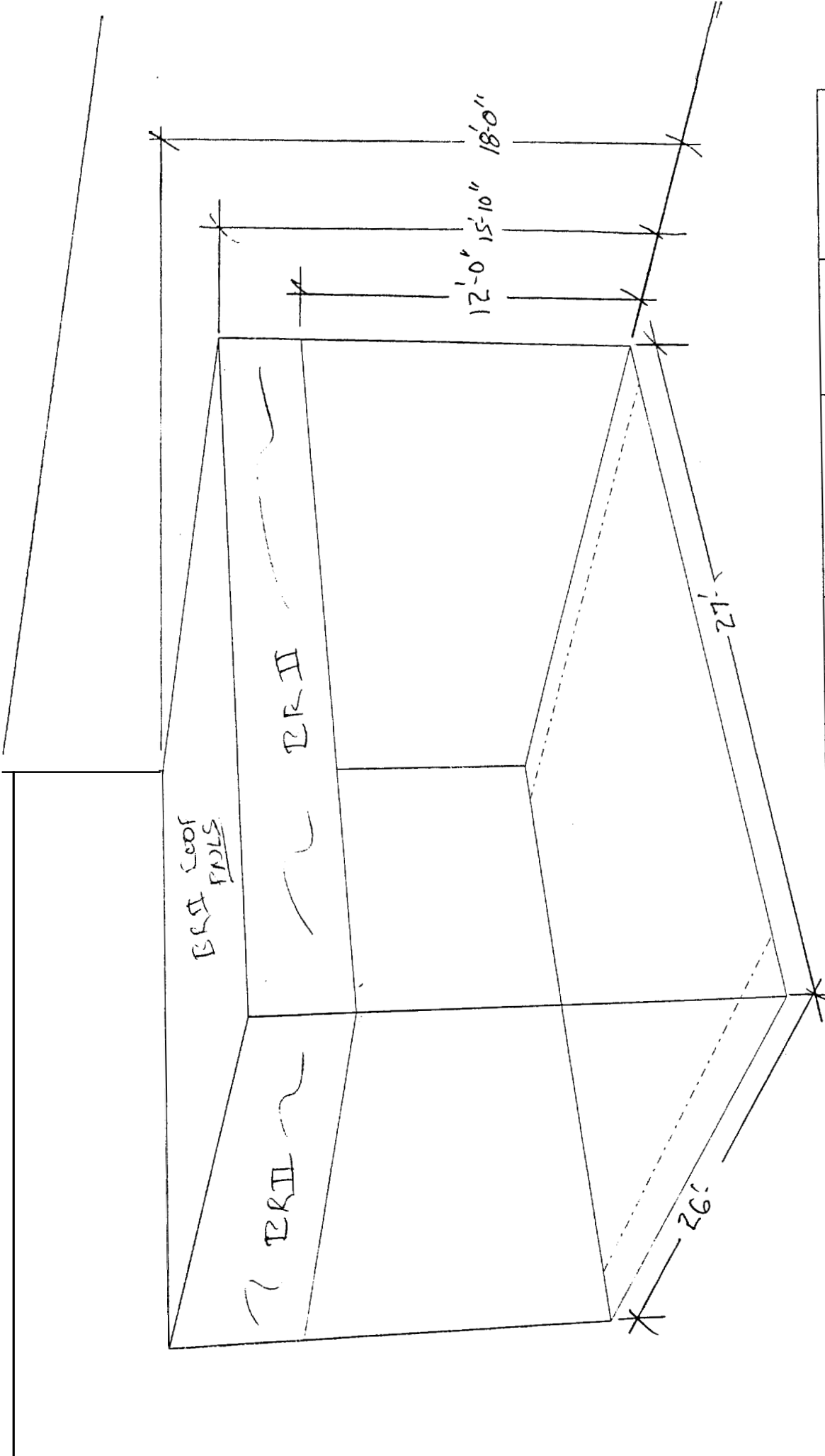


SECTION A.

NOTES:

- 1) THIS SKETCH IS NOT TO BE USED AS THE FINAL DESIGN. IT IS FOR CONCEPTUAL PURPOSES ONLY.
- 2) WALL PANELS ARE NOT DEPICTED.
- 3) BRACING HAS NOT BEEN DEPICTED.

- EXISTING EAVE HT. 22' 1/4"



Widespan™ ADVANTAGE® Butler Mfg. Co. - Kansas City, MO	Builder: The Sheridan Corporation 33 Sheridan Drive Fairfield, ME, U.S.A. 04937	Project: Nichols Portland	Building Description:	Drawing Title: RSW Perspective Scale:	NICHOLS.ADV Ver-3.30.0.248 4/5/04 12:56 PM
				Drawing No.:	Rev:



C.B. - CATCH BASIN



The Sheridan Corporation

PO Box 359 Fairfield, ME 04937

Phone (207)453-9311

Fax (207)453-2820

www.sheridancorp.com

June 11,2004

Sarah Greene Hopkins, Development Review Services Manager
City of Portland
389 Congress Street
Portland, ME 04101

RE: Nichols Portland; 2400 Congress Street
Proposed Dumpster Shed Roof

Dear Mrs. Hopkins:

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Also attached is a check for \$400.00, for the **staff** site review fee.

Sincerely,

Wilbur Ferland
Project Manager

Cc: KL, DS, Mike Brewer @ Nichols Portland, File M041011



Sheridan

April 12, 2004

The Sheridan Corporation

PO Box 359 Fairfield, ME 04937

Phone (207)453-9311

Fax (207)453-2820

www.sheridancorp.com

Michael Brewer; Environmental, Health & Safety Manager

Nichols Portland

2400 Congress Street

Portland, ME 04102

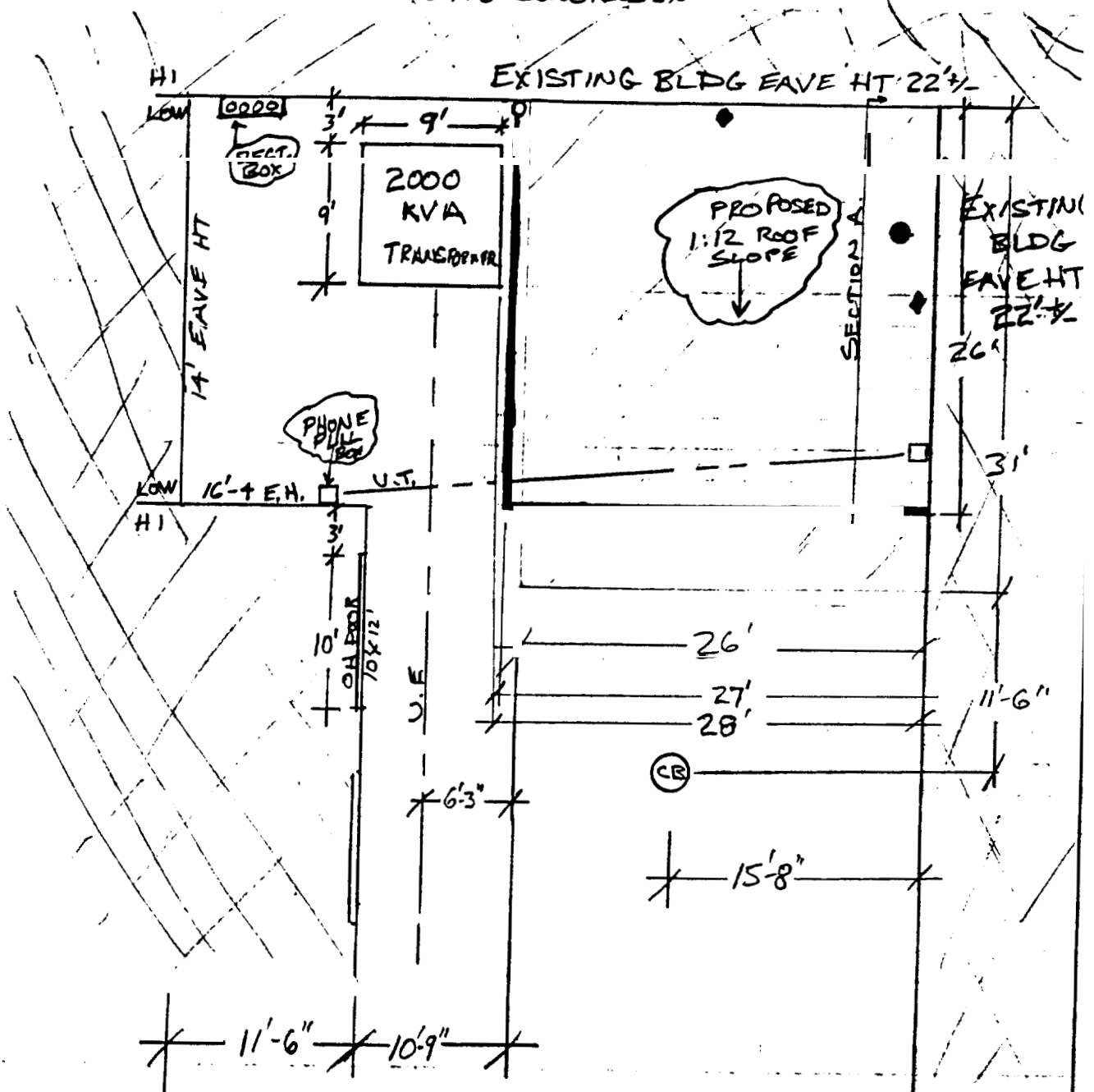
**RE: Proposal for Dumpster Shelter.
SCC Proposal No.: 83864**

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2. **Cut**, remove, and dispose of an approximate 4' x 8' area of asphalt pavement to allow for installation of one column footing. Due to the underground utilities, we have planned on hand excavating for this footing.
3. Furnish and install one column footing located closest to the garage. The concrete used would have ¾" stone and would have a strength design of 3000 PSI. The top of footing would be even with the existing dumpster pad. The anchor bolts would remain exposed. **It is** assumed that the existing soil has a bearing capacity of 3000 **PSF**. Two inch high density rigid insulation will be placed at the bottom of the footing. Due to subsurface interferences, the remaining three columns would be clipped / chemically anchored to the **existing** building foundation curb walls.
4. **Backfill** the footing and patch the demolished pavement area with 2" of asphalt pavement.
5. Provide and install a dumpster enclosure that is approximately 26' wide by 27' long by 16' nominal eave height. **This** enclosure would consist of two main frames, brace rods, roof purlins, Butler's BR11 24 ga. **ALZN** roof panels, and BR11 26 ga. wall panels from the roof down to 12' above the dumpster slab. **Also** included would be reglets / flashings cut into **the** two common masonry walls to seal the **roof** to the existing building along the rear endwall and rear sidewall. The front endwall would receive a gable trim. An exterior **gutter** with one downspout would be installed at the low eave. The wall panel, trim, and **gutter** colors would be selected from Butler's standard color offerings. (See the attached **sketches**.)
6. **All** structural steel and brace **rods** would be shop coated with rust inhibitive gray primer.
7. Included is one roof flashing to seal the existing boiler stack.

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



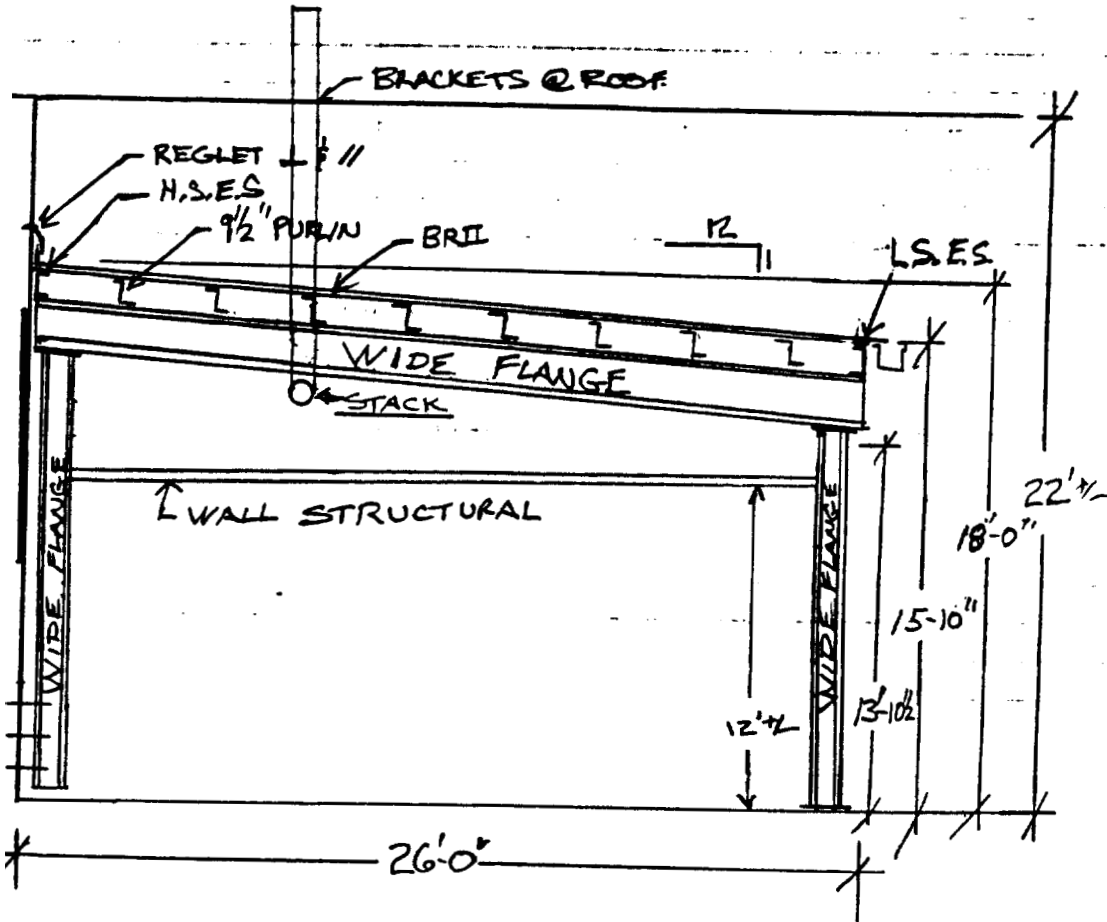
PLAN VIEW

PROPOSED STRUCTURE:
26' WIDEX 27' LONG X 15'-10" E.H.

LEGEND:

- U.E.
- U.T. (16" B.F.G.)
- - PHONE PULL BOX
- //// - EXISTING SLAB
- XXXX - EXISTING BLDG.
- - TANK VENT.
- ◆ - BRACING

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

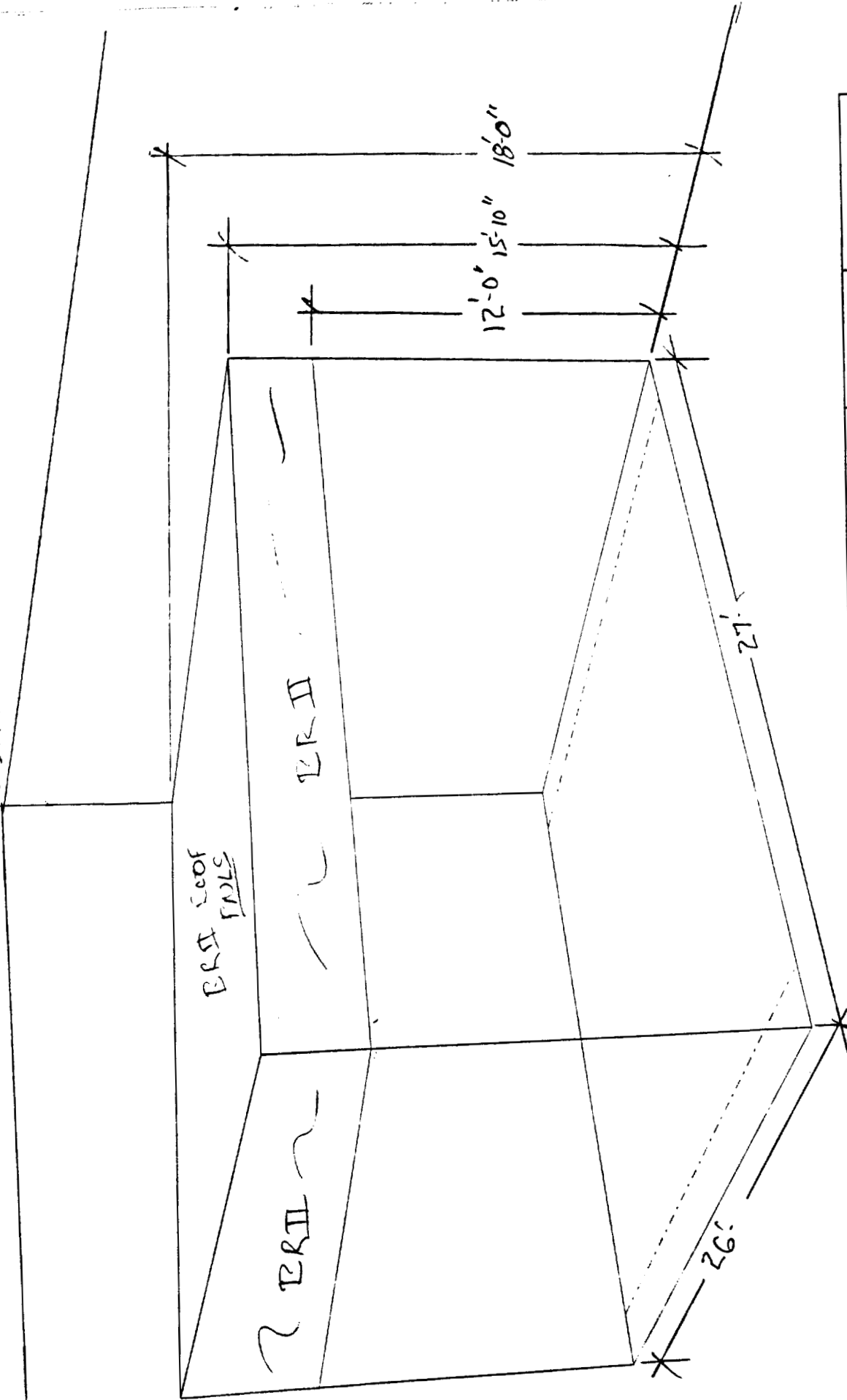


SECTION A.

NOTES:

- 1) THIS SKETCH IS NOT TO BE USED AS THE FINAL DESIGN. IT IS FOR CONCEPTUAL PURPOSES ONLY.
- 2) WALL PANELS ARE NOT DEPICTED.
- 3) BRACING HAS NOT BEEN DEPICTED.

- EXISTING EAVE HT: 22' 4"



Widespan[™] ADVANTAGE³ Butler Mfg. Co. - Kansas City, MO	Builder: The Sheridan Corporation 33 Sheridan Drive Fairfield, ME, U.S.A. 04937	Project: Nichols Portland	Building Description:	Drawing Title: RSW Perspective Scale:	NICHOLS.ADV Ver-3.30.0.248 4/5/04 12:56 PM
			Drawing No.:	Rev:	



C.B. - CATCH BASIN



The Sheridan Corporation
Sheridan Drive
Fairfield, Maine 04937
Tel. 207-453-9311

The Sheridan Corporation
PO Box 359 Fairfield, ME 04937
Phone (207) 453-9311
Fax (207) 453-2820
www.sheridancorp.com

July 2, 2004

Codes Office
389 Congress St., Rm 315
Portland, Maine 04101

Attn: Mr. Michael Nugent

Re: Response to Fax
Nichols of Portland
2400 Congress St., Portland, Maine

Dear Mr. Nugent:

This is in response to your faxed comments today. I will address them in the same order as follows:

1. Snow Loads – We used BOCA 1999 Section 1608.0 for the pertinent subsections that applied to this building. We used 50 pound ground snow which equated to 40.32 pound roof snow load as a base load per BOCA subsection 1608.4. On to that, we added the drifting load per ASCE 7- 1998, Section 7. The “High / Low” conditions in two planes and were taken into account.
2. Column Supports - Three of the four columns have been selected to be anchored to the existing building’s concrete foundation with anchor bolts to avoid disruption of the existing foundation, slab and the present use of this area. The column loads are relatively low and can be readily anchored with bolts designed to resist the shear forces encountered. The fourth column will have a footing that has been designed for 3,000 lbs per sq. ft. It may need to be resized depending on the soil conditions we encounter. Such design will be done by a qualified P. E.
3. Lateral Loads - No new direct horizontal or vertical loads will be placed on the existing walls. A temporary loading condition will exist when drifted snow is present. This may impart a small horizontal load on the upper 2 feet of exposed wall. Drifted snow, when present, may deflect the wind upward should it be applied from the lower roof and, in either case, will be no more significant than the non-snow condition of the normal wind load the existing building withstands in its present condition.
4. Steel - The primary structural steel will have a yield strength of Grade 50 (50,000 p.s.i.) and purlins will be 60,000 p.s.i. Miscellaneous steel will be 36,000 p.s.i. material. We enclose fastener and roofing details as requested.

5. Special Inspections - This is a very small job structurally, but we will provide inspection by a registered structural engineer to do periodic inspections per BCOA Section 1705 per your requirement.
6. The existing exhaust vent will remain in use and will be fitted between the roof purlins and roof sheets. A metal flashing will be installed around the pipe once the roof is in place to weatherproof the vent. All materials will be non-combustible.

I hope this answers your questions and a building permit can be issued at the earliest possible date.

Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Dana C. Sturtevant". The signature is fluid and cursive, with a long horizontal stroke at the end.

Dana C. Sturtevant. P. E.
Engineering Manager

enc.

c.c. Wil Ferland

Memorandum

To: Dana Sturdivant
From: Mike Nugent/Manager of Inspection Services
Date: 07/02/2004
Re: 2400 Congress St. (236 A003)

I have commenced reviewing the plans for the above project and need the following information:

- 1) Please provide the design standard that was used in calculating the Flat Roof Snow Load.
- 2) Please provide a code justification for the omission of footings for three of the four w18 x 31 vertical supports.
- 3) Is there any structural impact on the existing structure, i.e. additional loads to the abutting walls?
- 4) There is no source information for the steel, nor a fastener plan, sheathing and finish schedule for the roofing materials.
- 5) This project will require Special Inspections for the Steel and fasteners pursuant to Section 1705 of the Code.
- 6) There is a vent for an appliance of some sort shown in the photo's. Please provide a plan showing how this will be redirected and also what type of appliance it vents.

Dana
File

FASTROOF FastParts Pricing Planographs

Project: Nichols Portland 04092004

Unit: Nichols Portland

ID: 1

Alt: 0

Rev: 0

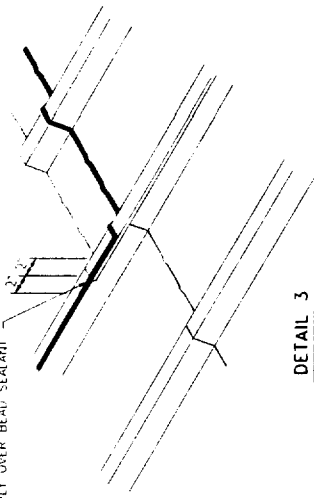
<u>Planograph Number</u>	<u>Revision Number</u>	<u>Revision Date</u>	<u>Description</u>
102961	6	2/21/01	Butlerib II-Roof Paneling And Sealing Procedure-WS
103223	9	6/16/97	All Roofs-Gutter Assembly-Narrow Contour-AB
103315	7	1/30/97	All-Roof-Gutter Expansion Joint-AB
104288	8	8/26/98	Type II - Butlerib II Roof Panel Installation
104551	8	6/16/97	BR II Roof-Contour Gutter Instln W/Weatherseal-WS
105224	15	1/20/99	All Walls-Conductor Pipe Installation-Widespan
105848	5	8/26/98	Butlerib 11-Roof Panel-Unpunched BR II Ridge Panel
107334	2	3/1/95	Butlerib II-Roof Transition Panels-Canopy/Width E
1080172	5	8/26/98	Butlerib II-Roof-Support Angle Installation-WS
1080173	5	8/18/98	BR II Roof-Flashing Installation-WS
1080174	5	2/28/96	Butlerib II-Roof To Wall Transition-AB
1080182	4	12/15/95	BR II Roof - Parallel Transition Instl - Widespan
1080944	2	11/16/98	Gable-Angle-Gable Angle Installation-1/4:12 Tru 4:
1080948	2	5/1/98	BR II-Roof Panel Calculator-WS
1081166	2	1/7/99	BR II Roof-Gable Trim & Wall Adapter Instln-WS
1081172	0	8/1/96	BR II Erection Drawing Index-Rg
1081248	0	6/16/97	MR-24-Flex Seal Instln-Stp Rof Or Rof/Wal-WS
1081249	0	6/16/97	BR II Roof-End Covr Instn-Rof To Wal W/Supt Angl-WS
1081259	0	6/16/97	All Roofs-VariablWal Adapr Instl/Non Bmc Wals-WS

PANLASTIC (BEAD SEALANT) 025390. APPLY CONTINUOUSLY AS SHOWN.

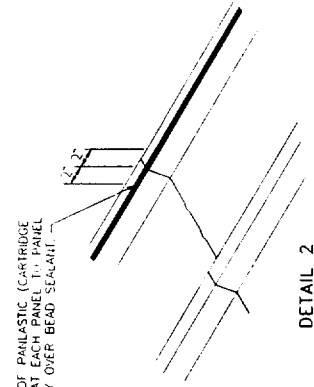
FLUTES INDICATE SEALANT LOCATION AT PANEL ENDLAPS.

INSTALL 0"-4" OF PANLASTIC (CARTRIDGE TYPE) 025392 AT EACH PANEL END. LAP APPLY OVER BEAD SEALANT.

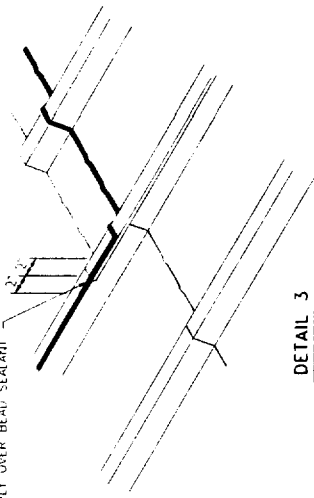
INSTALL 0"-4" OF PANLASTIC (CARTRIDGE TYPE) 025392 AT EACH PANEL TO PANEL END LAP APPLY OVER BEAD SEALANT.



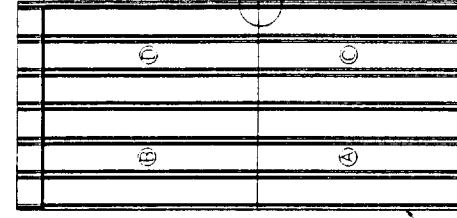
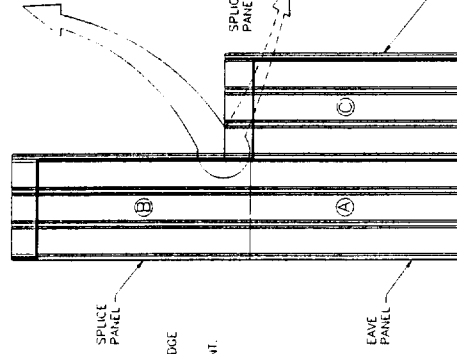
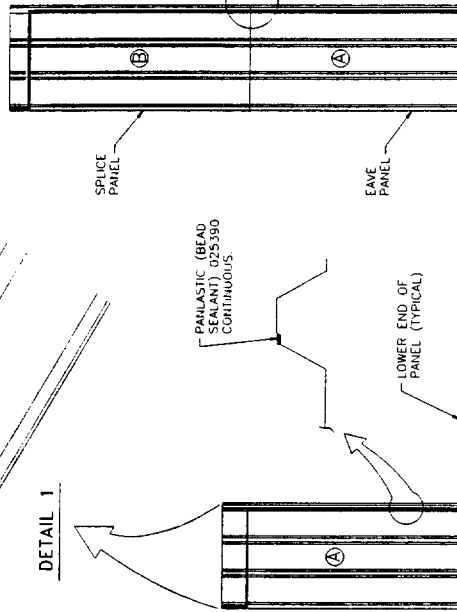
DETAIL 1



DETAIL 2



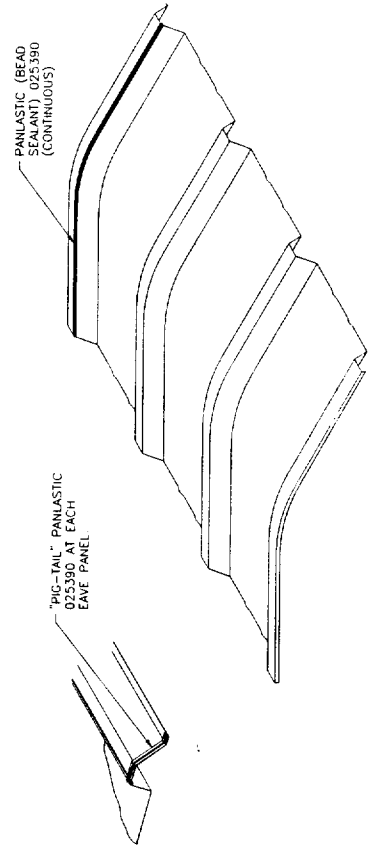
DETAIL 3



SEE DETAIL 2

PANLASTIC (BEAD SEALANT) 025390 (CONTINUOUS)

"PIG-TAIL" PANLASTIC 025390 AT EACH EAVE PANEL.



WARNING
Panels with protective coatings are slippery, proceed with caution wipe clean if necessary.

CAUTION

PANLS MUST BE CLEAN, DRY, AND FREE OF OIL BEFORE APPLYING THE PANLASTIC. AT TEMPERATURES BELOW 40° F THE PANLASTIC IS MORE RESISTANT TO COMPRESSION. SPECIAL CARE SHOULD BE TAKEN TO ASSURE THAT THE PANELS ARE CLOSELY NESTED.

APPLICATION OF PANLASTIC

INSTALL PANLASTIC TO THE UP-PLACE PANEL AS SHOWN---PAPER BACKING TO THE "UP" SIDE
RUN THE FINGERS LIGHTLY OVER THE PAPER BACKING TO ADHERE THE PANLASTIC TO THE PANEL.
REMOVE THE PAPER BACKING BEFORE INSTALLING THE OVERLAPPING PANEL OR APPLYING THE CURT GRADE SEALANT IN LAP CONDITION. STRIP THE PAPER BY STARTING AT ONE END AND PULL BACK--NOT UP
ALIGN THE OVERLAPPING PANEL AS CLOSELY AS POSSIBLE TO FINAL POSITION BEFORE LETTING IT TOUCH THE PANLASTIC ON THE PREVIOUSLY INSTALLED PANEL.

PANLASTIC APPLICATION TO RIDGE PANEL

GROUP 04-030-02 B 102961 06

THIS PANEL SUBJECT TO CHANGE WITHOUT NOTICE FOR BUILDING ERECTION ALWAYS USE THE PRINTS RECEIVED WITH THE BUILDING SHEET



BUTLER MANUFACTURING COMPANY

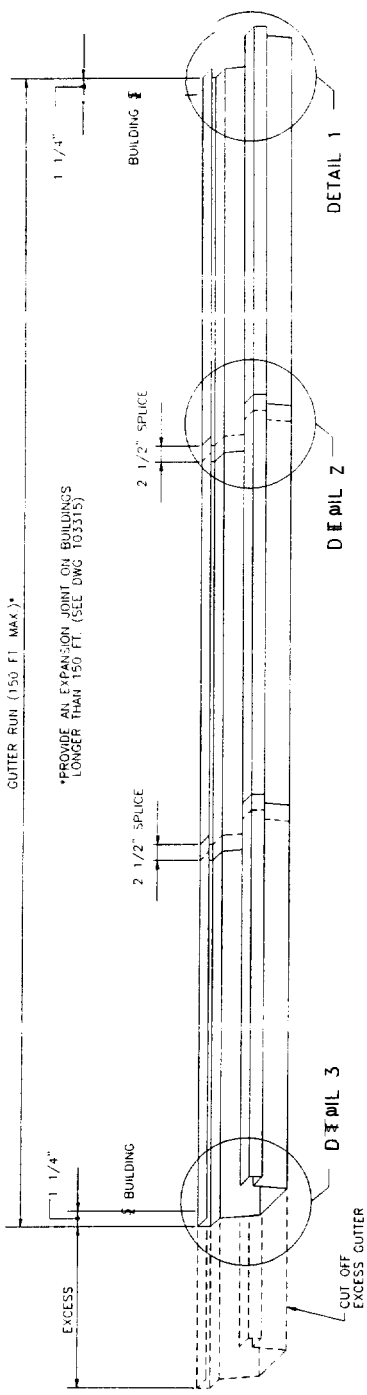
BUILDING II ROOF PANELING AND SEALING PROCEDURE

WIDESPAN

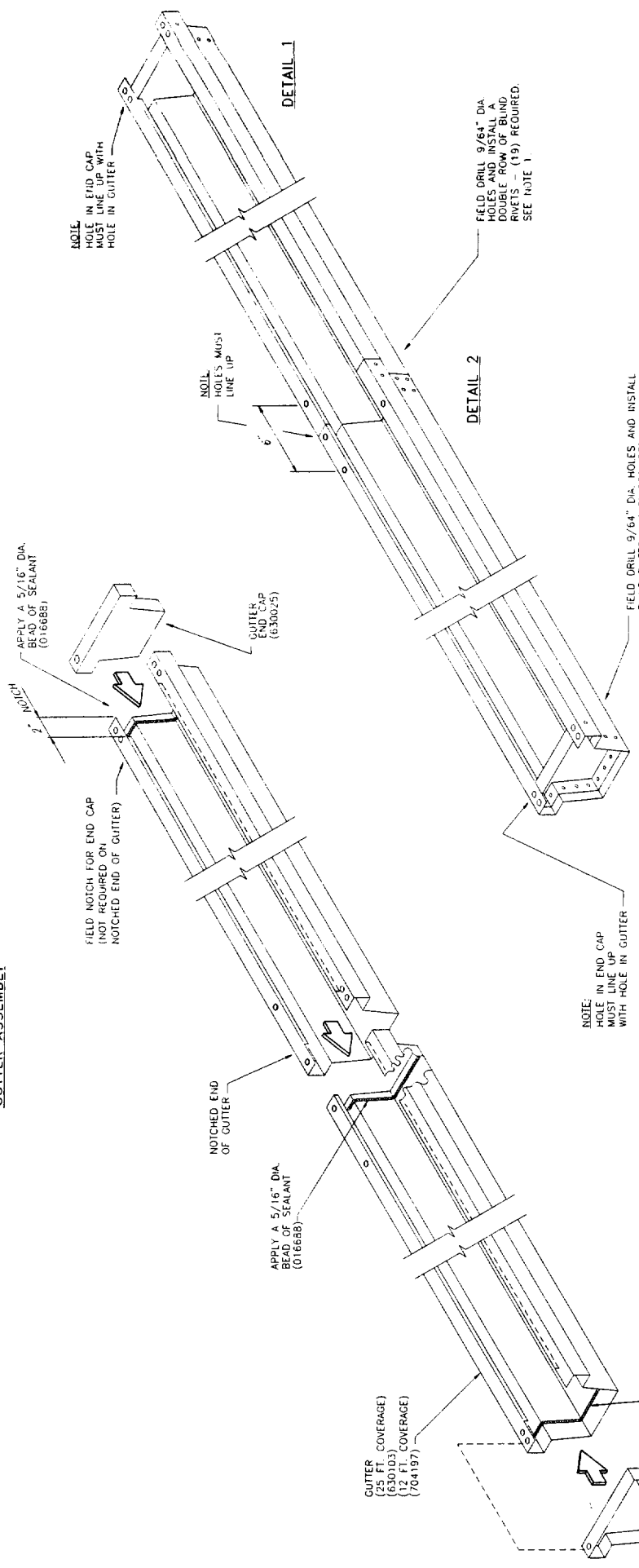
DATE: 12/15/95
REV: 04-030-02
B 102961 06

GUTTER RUN (150 FT. MAX.)

*PROVIDE AN EXPANSION JOINT ON BUILDINGS LONGER THAN 150 FT. (SEE DWG 103315)



GUTTER ASSEMBLY



NOTE: HOLE IN END CAP MUST LINE UP WITH HOLE IN GUTTER

NOTE: HOLE IN END CAP MUST LINE UP WITH HOLE IN GUTTER

DETAIL 1

DETAIL 2

DETAIL 3

FIELD DRILL 9/64" DIA HOLES AND INSTALL A DOUBLE ROW OF BLIND RIVETS (19) REQUIRED. SEE NOTE 1

NOTE: HOLE IN END CAP MUST LINE UP WITH HOLE IN GUTTER

FIELD DRILL 9/64" DIA HOLES AND INSTALL BLIND RIVETS - (13) REQUIRED SEE NOTE 1

NOTE: USE BLIND RIVETS (097124) WITH LAVA TRIM USE BLIND RIVETS (096884) WITH ALL OTHER COLOR TRIMS

APPLY A 5/16" DIA BEAD OF SEALANT (016688)

APPLY A 5/16" DIA BEAD OF SEALANT (016688)

APPLY A 5/16" DIA BEAD OF SEALANT (016688)

GUTTER (25 FT. COVERAGE) (6.30103) (12 FT. COVERAGE) (704197)

GUTTER END CAP (6.30024)

THIS PRINT SUBJECT TO CHANGE WITHOUT NOTICE FOR ENGINEERING REVISIONS AND FIELD PRINTS RECEIVED WITH THE BUILDING PERMITS

ALL ROOFS

GUTTER ASSEMBLY

ALL BUILDINGS

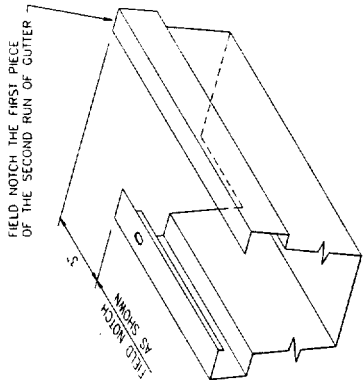
DATE: 01/18/09

SCALE: 1/2" = 1'-0"

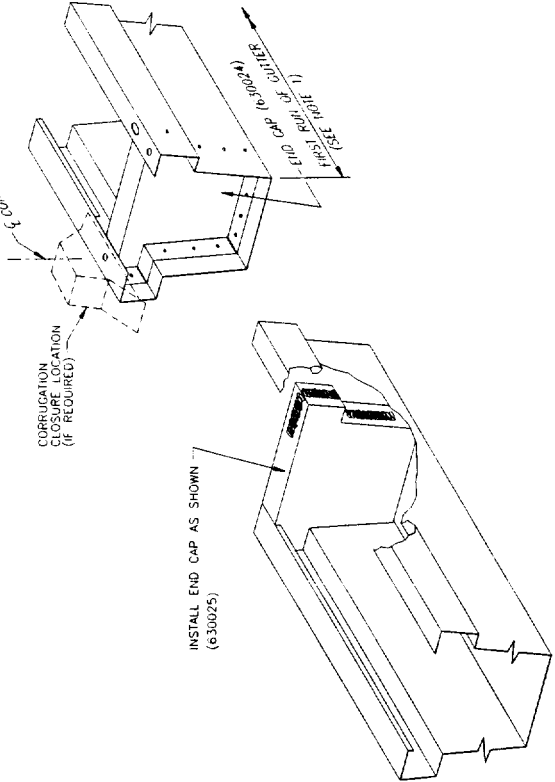
PROJECT NUMBER: B 103223

01-004-01

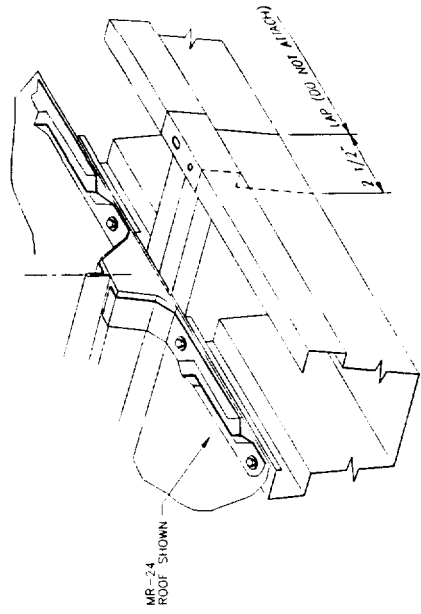
09



STEP I



STEP II

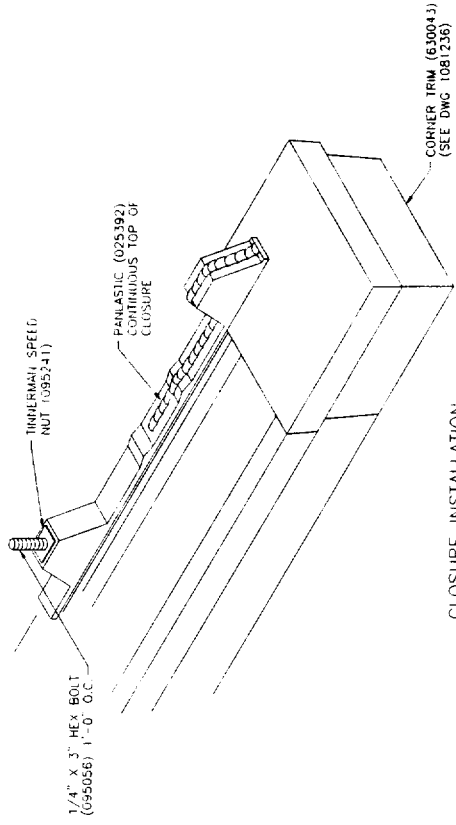


STEP III

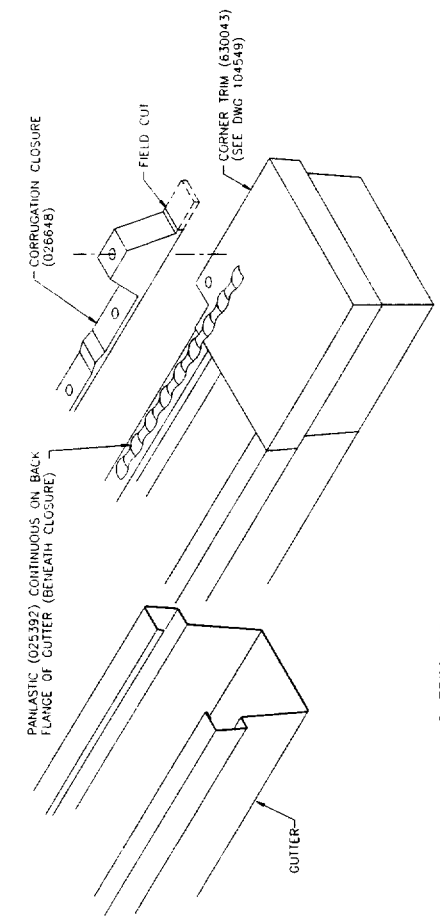
NOTES:
 1 REFER TO DWG. C-103223 FOR "GUTTER ASSEMBLY"

	ALL ROOF BUILDINGS	GUTTER EXPANSION JOINT CONTIGUOUS GUTTER	ALL BUILDINGS
	THIS PRINT SUBJECT TO CHANGE WITHOUT NOTICE FOR BUILDING ERECTION ALWAYS USE THE PRINTS RECEIVED WITH THE BUILDING SHIPMENT	DATE: 07/20/92 GROUP: 01-004-01	DRAWING NUMBER: B 103315

GROUP: 01-004-01
 DRAWING NUMBER: B 103315
 REV: 07

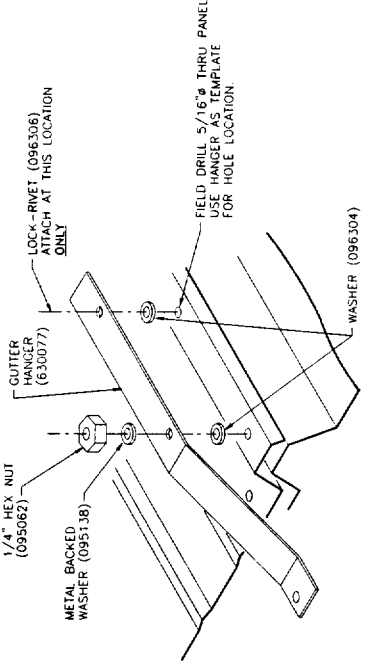


CLOSURE INSTALLATION



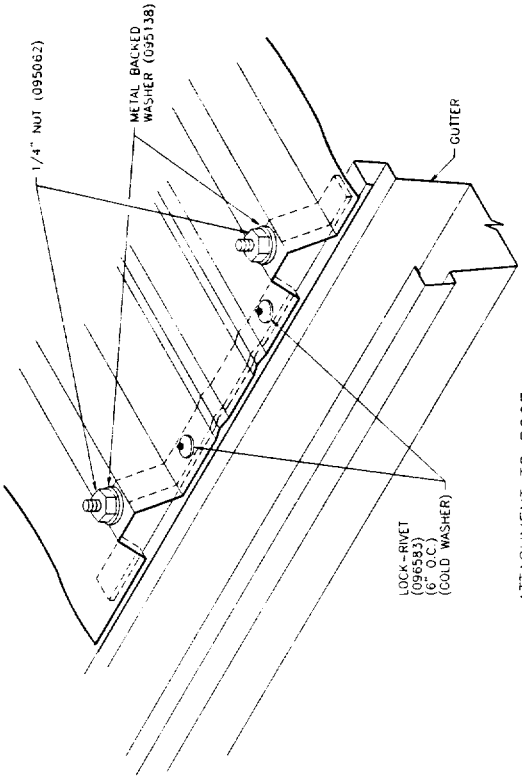
GUTTER SEALANT APPLICATION

WEATHERSEAL NOTE:
 OPTIONAL WEATHERSEAL IS REQUIRED ON OVERHANG TO PROTECT SUFFIX FROM MOISTURE AND TO PREVENT BIRD ENTRY.



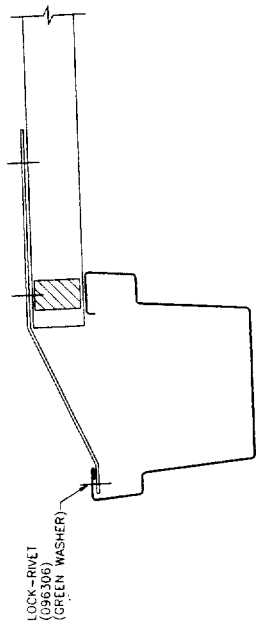
GUTTER HANGER INSTALLATION

START 3'-0" FROM ENDWALL CORRUGATION THEN 3'-0" SPACING



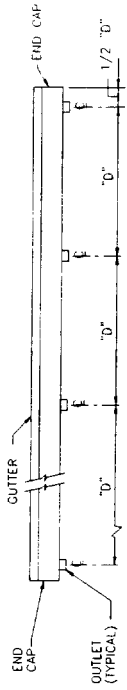
ATTACHMENT TO ROOF

NOTES:
 1. SEE DRAWING 103223 FOR GUTTER ASSEMBLY. GUTTER SHOULD BE COMPLETELY ASSEMBLED AS SHOWN AND CORNER CAPS INSTALLED PER DWG 1081236 BEFORE ATTACHING TO EAVE.



SECTION THRU EAVE

 ASCE Certified for Design & Fabrication	BRRI ROOF BUTLER MANUFACTURING COMPANY	CONTOUR GUTTER INSTALLATION WITH WEATHERSEAL	WIDESPAN
	DATE: 16.97 DRAWING NUMBER: B 104551-02	REV: 08 DRAWING NUMBER: B 104551-08	REV: 08 DRAWING NUMBER: B 104551-08



D = MAXIMUM SPACING FOR SPECIFIED CONDITIONS
(SEE DESIGN NOTE)

BLDG. WIDTH SPACING 'D'	40'	50'	60'	70'	80'	100'	120'	150'	180'	200'	225'	240'	250'	300'
SPACING 'D'	36"	48"	60"	72"	84"	108"	129"	151"	166"	180"	200"	225"	240"	300"

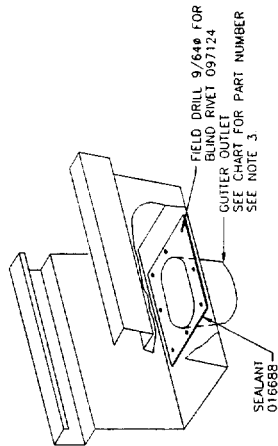
OUTLET SPACING

OUTLET INSTALLATION

ROOF SLOPE RANGE	GUTTER OUTLET USAGE	PART NO.
1/2" THRU 3/12	GUTTER OUTLET	008737
3/12 THRU 4/12	GUTTER OUTLET	008738
4/12 THRU 5/12	GUTTER OUTLET	640432
5/12 THRU 6/12	GUTTER OUTLET	640433

PART SCHEDULE

PART NO.	DESCRIPTION
008614	CONDUCTOR PIPE
008737	45° ELBOW
008738	GUTTER OUTLET
630277	CONDUCTOR STRAP
009294	90° ELBOW
016688	GRAY SEALANT
096684	BLIND RIVET - ALUMINUM
097124	BLIND RIVET - BLACK
640432	GUTTER OUTLET
640492	GUTTER OUTLET



FIELD DRILL 9/64" FOR
BLIND RIVET 097124
GUTTER OUTLET
SEE CHART FOR PART NUMBER
SEE NOTE 3.

EAVE HEIGHT	CONDUCTOR PIPE LEGEND		
	BUTLER II SHADOWWALL TEXTUREWALL OUTLET	OVERHANG QUAN PER OUTLET	CALOPY QUAN PER OUTLET
10'	1	1-1/2	2
12'	1	1-1/2	2
14'	1-1/2	2	2-1/2
16'	1-1/2	2	2-1/2
18'	2	2-1/2	3
20'	2	2-1/2	3
24'	2-1/2	3	3-1/2

- NOTES:
- CONDUCTOR PIPE (008614) FURNISHED IN 10' LENGTHS ONLY.
 - FIELD CUT TO LENGTHS REQUIRED.
 - USE (2) BLIND RIVET (096684) AT EACH PIPE JOINT.
 - USING GUTTER OUTLET AS A PATTERN, FIELD CUT GUTTER FOR PROPER FIT. APPLY 016688 SEALANT TO UNDERSIDE OF OUTLET LIP AND ATTACH WITH (8) BLIND RIVETS (097124). BLACK TRIM, OR ALUMINUM TRIM, IS AVAILABLE. CONTACT GUTTER AND SEALANT MANUFACTURER TO BE SURE TO OBTAIN GUTTER OUTLET PROPERLY PRIOR TO ATTACHMENT.
 - FOR CONDUCTOR PIPE DETAILS SEE DRAWINGS 105225 AND 105228.

DESIGN NOTES:
MAXIMUM CONDUCTOR SPACING FOR 4" SQUARE (4-1/4" x 2-3/4") BASED ON RAINFALL INTENSITY OF 6" PER HOUR FOR CONDITIONS OTHER THAN SPECIFIED. CONSULT BUTLER MANUFACTURING COMPANY DOWNSPOUT GUIDE IN WIDESPAN TECHNICAL REFERENCE MANUAL.
* THE MAXIMUM DISTANCE RECOMMENDED BY BUTLER MANUFACTURING COMPANY BETWEEN DOWNSPOUTS IS NOT TO EXCEED 72' REGARDLESS OF RAINFALL INTENSITY, OR SIZE OF DOWNSPOUT.



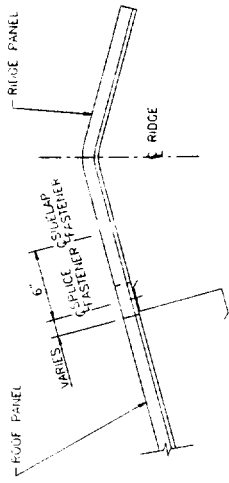
THIS PRINT SUBJECT TO CHANGE WITHOUT NOTICE FOR BUILDING ERECTION ALWAYS USE THE PRINTS RECEIVED WITH THE BUILDING SHIPMENT



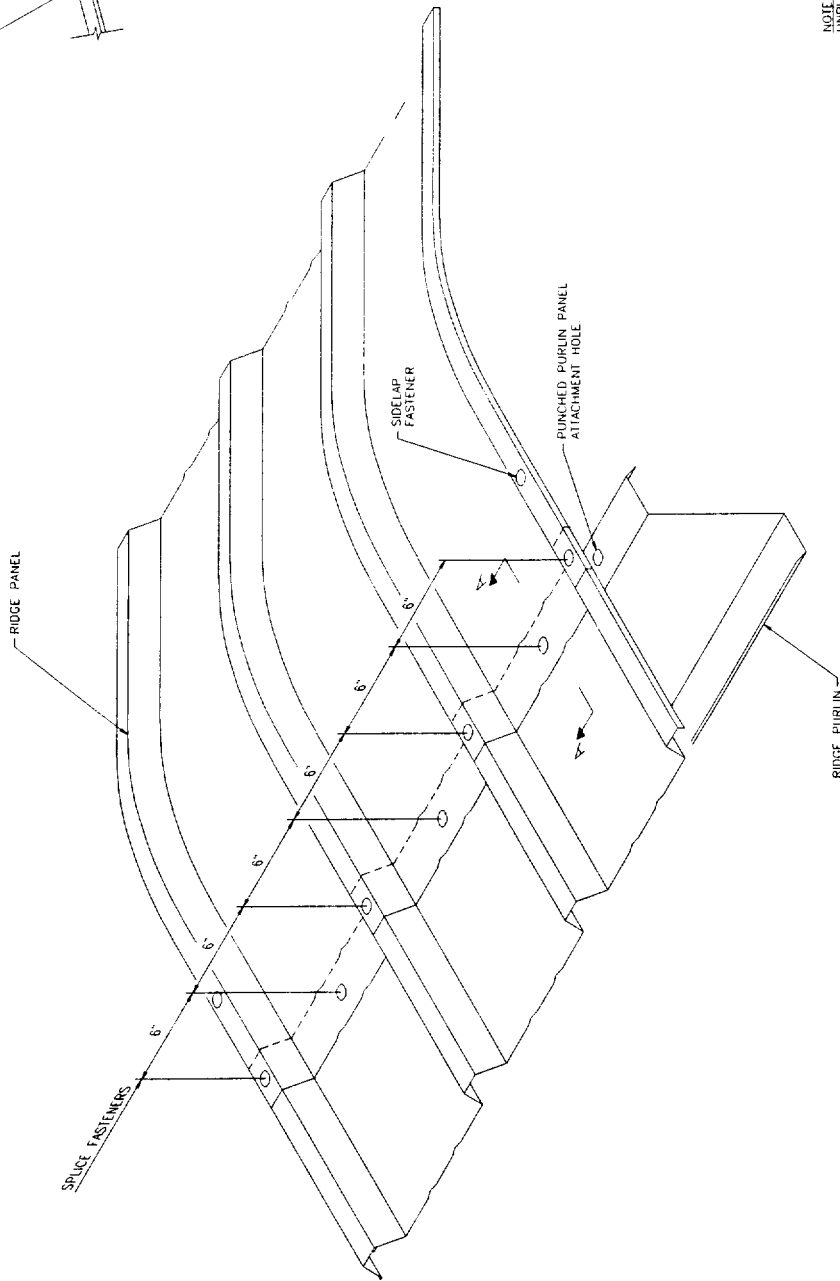
ALL WALLS CONDUCTOR PIPE INSTALLATION

26-008-02 B 105224 17

02/07/00 B 105224 17





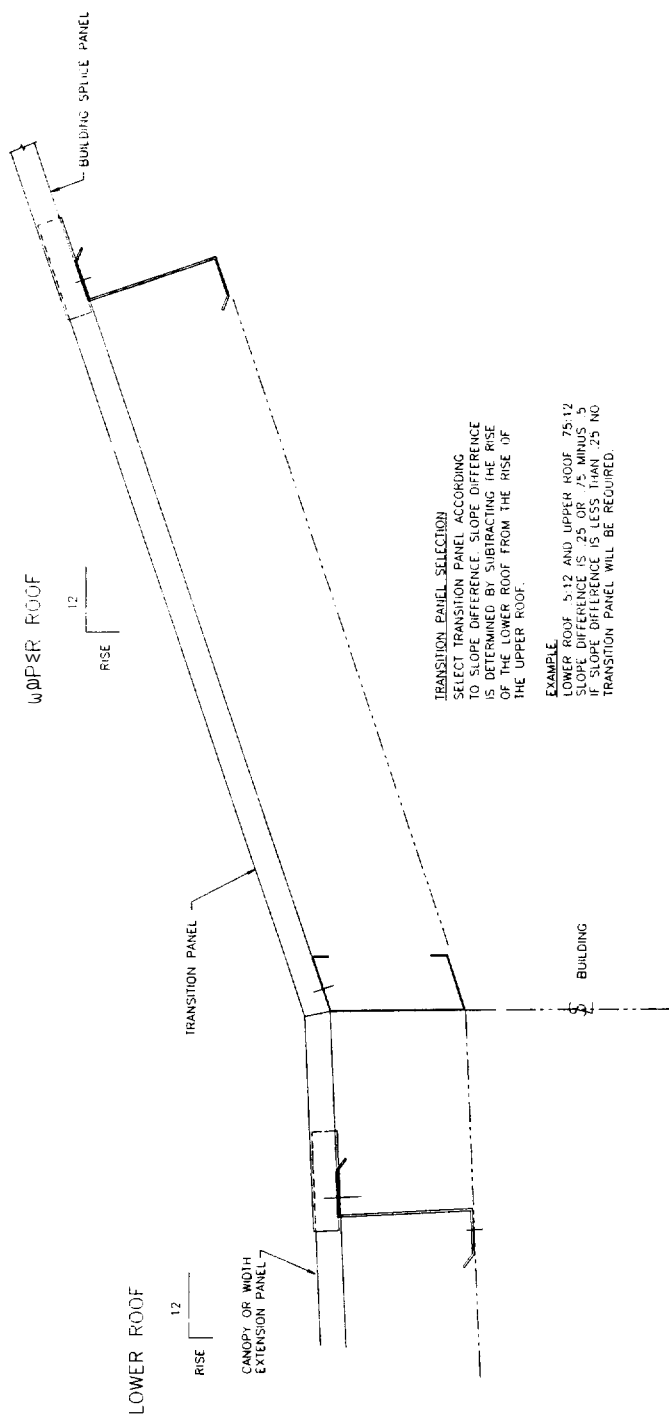
SECTION A-A



NOTES:
 UNPUNCHED RIDGE PANELS MAY BE FURNISHED FOR AN UNPUNCHED OR PUNCHED BR-II ROOF SYSTEM.
 UNPUNCHED ROOF SYSTEM:
 USE SELF-DRILLING SCREWS FOR BOTH P-10-S AND P-10-P CONNECTIONS.

PUNCHED ROOF SYSTEM:
 FIELD DRILL 5/16" HOLES IN RIDGE PANEL TO MATCH WITH CENTER OF PRE-PUNCHED SLOTS IN PANEL BENEATH THE RIDGE PANEL.
 INSTALL LOCK-RIVET 096306 FOR P-10-P AND EITHER SCRUBOLT OR LOCK-RIVET FOR P-10-S (SEE SPECIFIC ROOF PANEL DRAWING FOR SPECIFIC FASTENERS).

 AISC Certified for Design & Fabrication	THIS PRINT SUBJECT TO CHANGE WITHOUT NOTICE FOR BUILDING ERECTION ALWAYS USE THE PRINTS RECEIVED WITH THE BUILDING SHIPMENT	BUTLER BR II ROOF PANEL 	UNPUNCHED BR II RIDGE PANEL BUTLER MANUFACTURING COMPANY 04-032-02	WIDESPAN BUTLER MANUFACTURING COMPANY 04-032-02
	04-032-02 B 105848 05	04-032-02 B 105848 05	04-032-02 B 105848 05	04-032-02 B 105848 05



TRANSITION PANEL SELECTION
 SELECT TRANSITION PANEL ACCORDING TO SLOPE DIFFERENCE. SLOPE DIFFERENCE IS DETERMINED BY SUBTRACTING THE RISE OF THE LOWER ROOF FROM THE RISE OF THE UPPER ROOF.

EXAMPLE:
 LOWER ROOF 5:12 AND UPPER ROOF 75:12
 SLOPE DIFFERENCE = 75 - 5 = 70
 IF SLOPE DIFFERENCE IS LESS THAN .75 NO TRANSITION PANEL WILL BE REQUIRED.

ROOF PANEL SCHEDULE

PANEL LOCATION	CANOPY PANEL		TRANSITION PANELS		CUSTOM CONDITION
	UNTRIMMED EAVE	EAVE TRIM OR CUTTER	SLOPE DIFFERENCE	5:51 - GREATER	
R.H. SLOPE	027068	027068	.000-.249	1.00-2.49	560130
L.H. SLOPE	027069	027069	NONE	560303	560131

- NOTES:**
1. TRANSITION PANELS ARE FURNISHED UNPUNCHED.
 2. SEE APPROPRIATE DRAWING FOR BUILDING AND/OR W/ ROOF PANELS.

Butler Building Products, Inc.
 1000 Butler Blvd.
 Butler, PA 15005

THIS PRINT SUBJECT TO CHANGE WITHOUT NOTICE FOR BUILDING ERECTION ALWAYS USE THE PRINTS RECEIVED WITH THE BUILDING SHIPMENT

ATP
 Associated Technicians
 for Design & Fabrication

GROUP 04-030-02

DATE 02/01/95

PROJECT 14-030-02

WIDESPAN

ORDER NUMBER B 107334 02

DATE 02/01/95

PROJECT 14-030-02

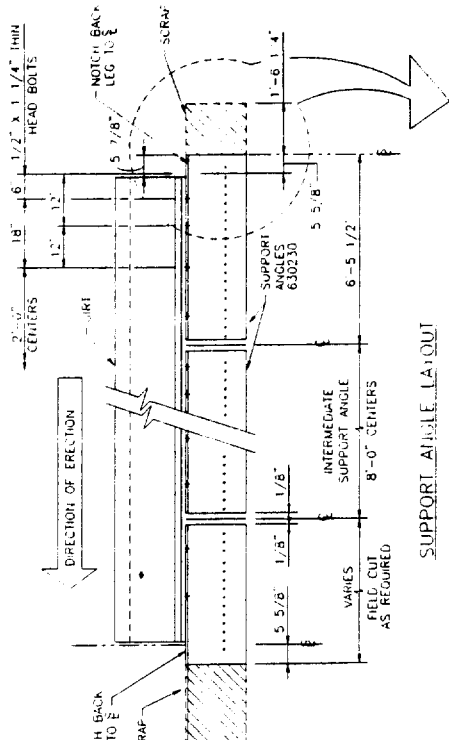
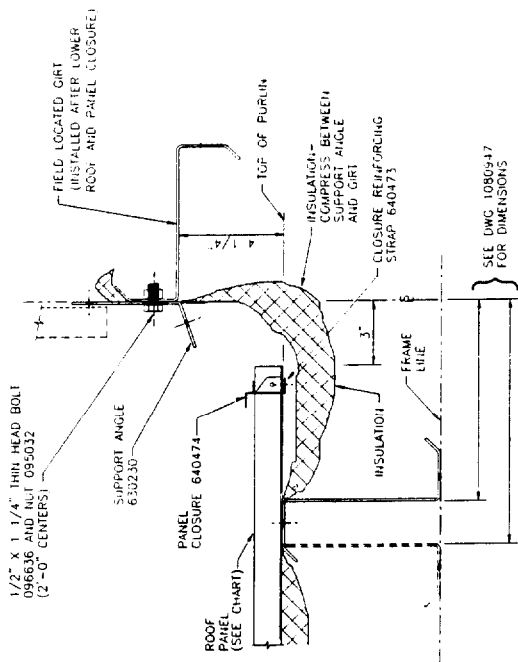
WIDESPAN

GROUP 04-030-02

DATE 02/01/95

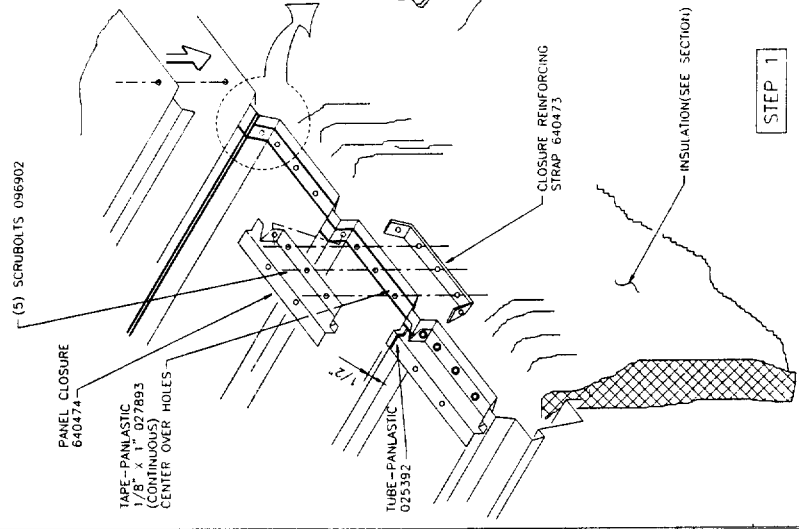
PROJECT 14-030-02

WIDESPAN



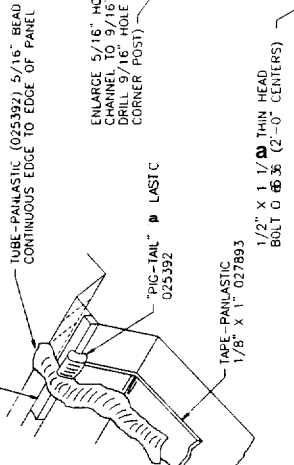
SECTION A-A

BUILDING KEY

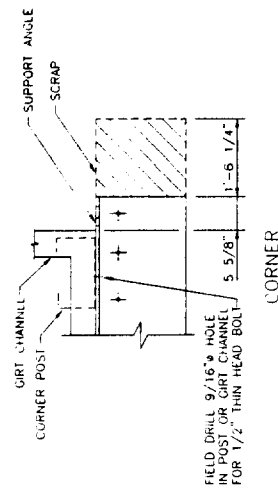


STEP 1

ROOF PANEL CHART		EAVE PANELS	SPUCE
PANEL TYPE	LOCATION	TRIM/GIRT/EP	PANEL
BASIC	RIGHT HAND	560386	560378
FACTORY	LEFT HAND	560382	560380
PUNCHED	RIGHT HAND	560387	560381
OR CANOPY	LEFT HAND	560376	560379
		560384	560378
		560377	560379



STEP 2



CORNER

ERECTION SEQUENCE

- STEP 1**
- INSTALL ROOF PANELING AND ENDWALL TRIM
 - APPLY PANLASTIC
 - INSTALL PANEL CLOSURES
 - FIELD LOCATE AND INSTALL GIRT (SEE SECTION).
- STEP 2**
- FIELD CUT STARTING END OF SUPPORT ANGLE.
 - FIELD DRILL HOLES IN STRUCTURALS TO MATCH SLOTS IN SUPPORT ANGLE (2\"/>

GENERAL NOTE

- FOR CONTINUED ERECTION SEQUENCE SEE FLEXIBLE SEAL INSTALLATION DRAWING 1081247 AND FLASHING INSTALLATION DRAWING 1080173

THIS PRINT SUBJECT TO CHANGE WITHOUT NOTICE FOR BUILDING ERECTION. ALWAYS USE THE PRINTS RECEIVED WITH THE BUILDING SHEPARD.



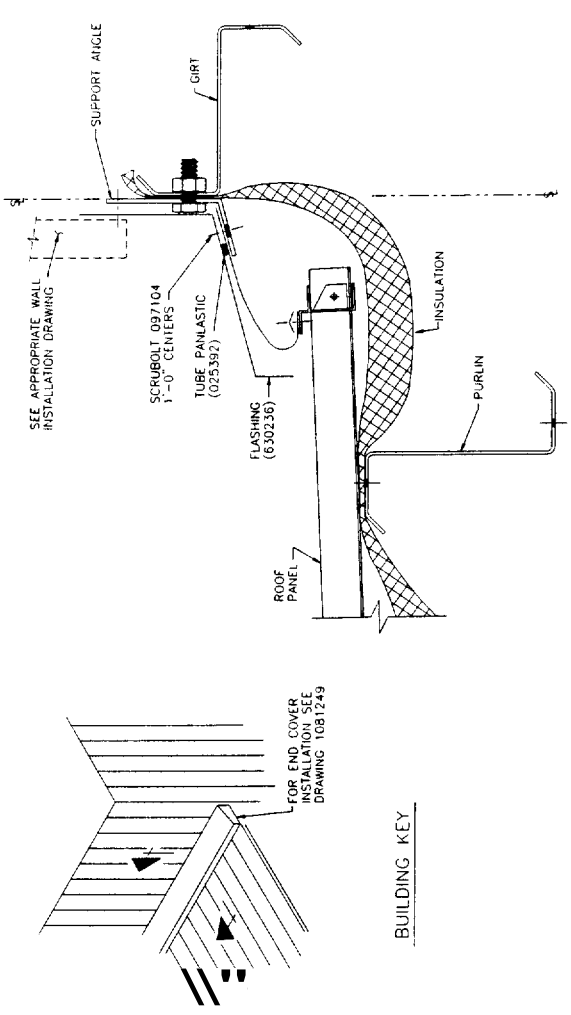
BUTLER B ROOF SUPPORT ANGLE INSTALLATION

WIDESPAN

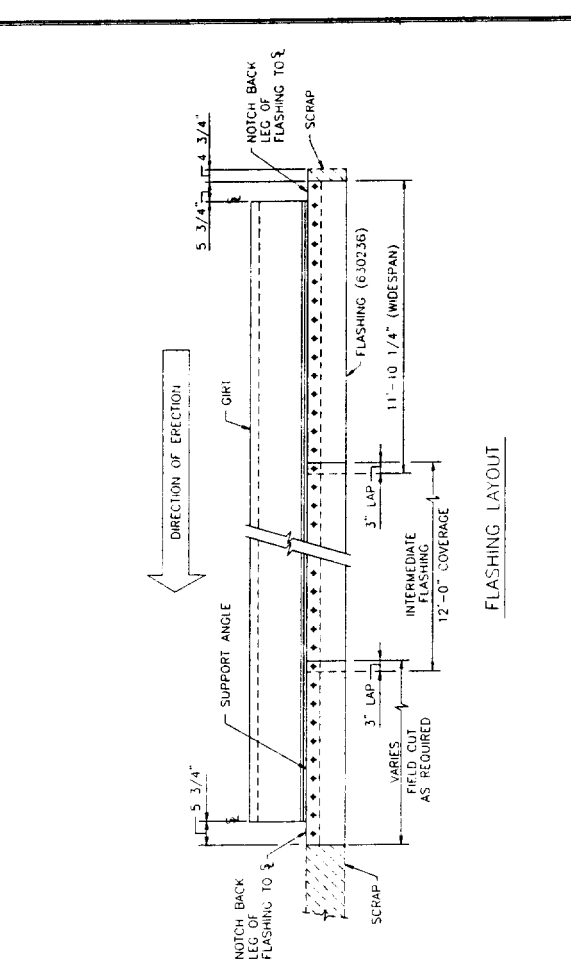
GROUP 04-020-02 B 1080172 06

GROUP 04-020-02 B 1080172 06

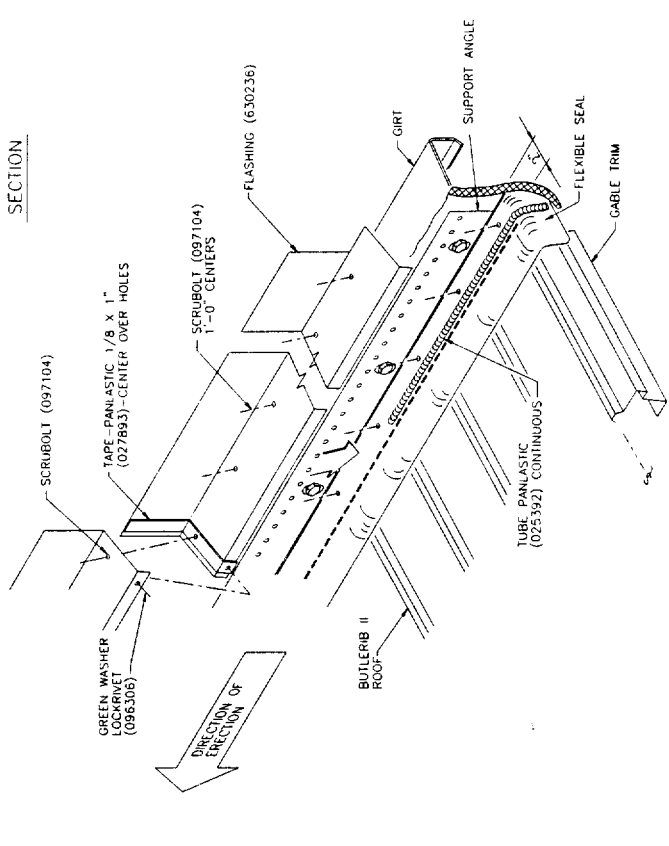
04-020-02 B 1080172 06



SECTION



FLASHING LAYOUT



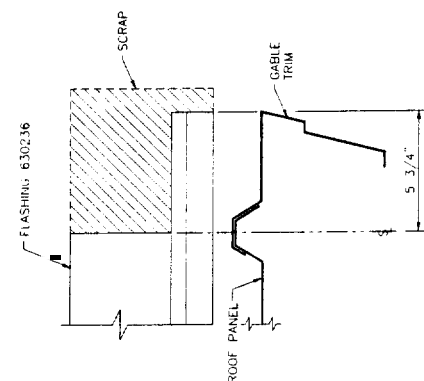
FLASHING INSTALLATION

ERECTION SEQUENCE

- BEFORE STARTING FLASHING INSTALLATION, SEE SUPPORT ANGLE AND FLEXIBLE SEAL DRAWINGS.
- FIELD CUT STARTING FLASHING TO REQUIRED LENGTH.
- NOTCH BACK LEG TO STRUCTURAL LINE.
- APPLY TUBE PANPLASTIC TO FLEXIBLE SEAL.
- ATTACH STARTING FLASHING TO SUPPORT ANGLE, RETAINING FLEXIBLE SEAL (OMIT FASTENERS AT SPlice END OF FLASHING UNTIL SECOND FLASHING IS IN PLACE).
- APPLY TAPE-1/8" X 1" PANPLASTIC TO LEADING EDGE OF FLASHING FOR SPlice CONDITION.
- NEST ADJACENT FLASHINGS INTO PLACE, LOCATING FASTENERS AND PANPLASTIC AS DESCRIBED ON PREVIOUSLY INSTALLED FLASHING.
- LAST FLASHING TO BE INSTALLED WILL REQUIRE FIELD CUTTING AND NOTCHING BEFORE ATTACHMENT.

GENERAL NOTE

1. FOR CONTINUED ERECTION SEQUENCE REFER TO APPROPRIATE WALL INSTALLATION DRAWING.



SECTION THRU GABLE TRIM

SEE APPROPRIATE WALL INSTALLATION DRAWING

FOR END COVER INSTALLATION, SEE DRAWING 1081249

BUILDING KEY

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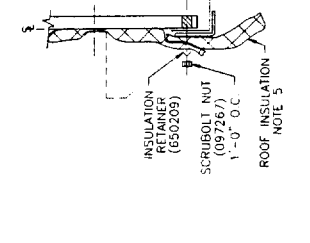
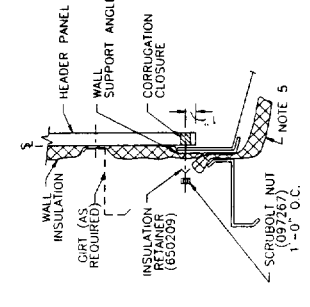
BR II ROOF	FLASHING INSTALLATION	WIDESPAN
ROOF TO WALL WITH SUPPORT ANGLE	DATE	REV
11-22-93	1	
MANUFACTURING	PROJECT NUMBER	
COMPANY	04-020-02	B 1080173 06

ROOF	04-020-02	B 1080173 06
DATE	PROJECT NUMBER	REV
11-22-93	1	

PERPENDICULAR TRANSITION DRAWINGS			
ROOF TYPE	BLDG.	SUP. ANGLE NO FLASH W/FLASH	FRAME W/FLASH
MR-24	WIDESPAN LANDMARK	1080170	1080168
MR-24	WIDESPAN INS. PUR. LANDMARK	1080170	1080167
CMR-24	WIDESPAN LANDMARK	1080592	1080257
BR-II	WIDESPAN	1080172	1080173

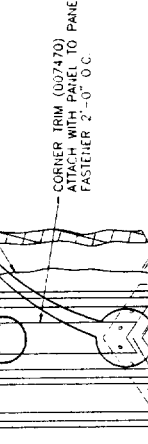
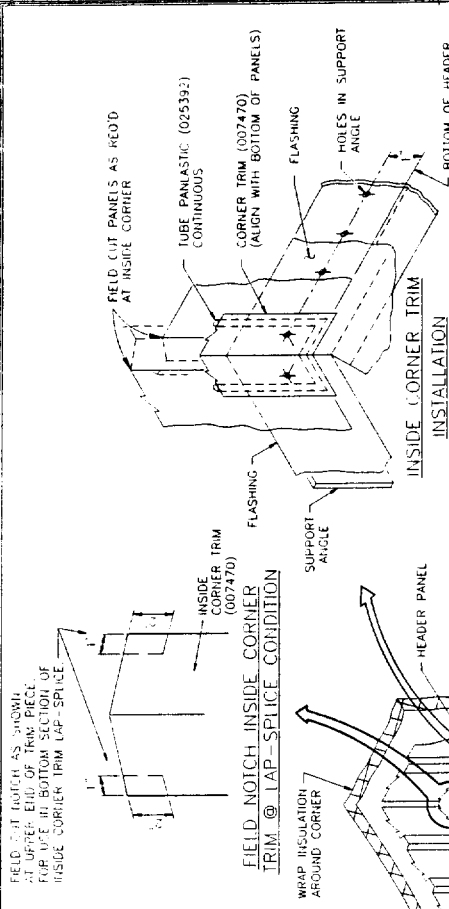
PARALLEL TRANSITION DRAWINGS		WIDESPAN	
ROOF TYPE	WIDESPAN	MR-24	MR-24 INS. PUR.
MR-24	1080181		
MR-24	1080180		
CMR-24	1080259		
BR-II	1080182		

PANEL LOCATION SYSTEM	WALL PANEL SCHEDULE		PANEL CODES
	PUNCHED	UNPUNCHED	
ENDWALL HEADER	1/4-1/2	027095	027094
	1/2-1/2	027465	
	2-1/2	570528	
	4-1/2	027464	
OTHER SLOPES	027094		
LOW/HIGH SIDEWALL HEADER	1/4-1/2 THRU 3-1/2	027093	570246 (MT)
	3-1/2 THRU 4-1/2	027092	570261 (MT)
	027095 (SO)	027094	(SO)

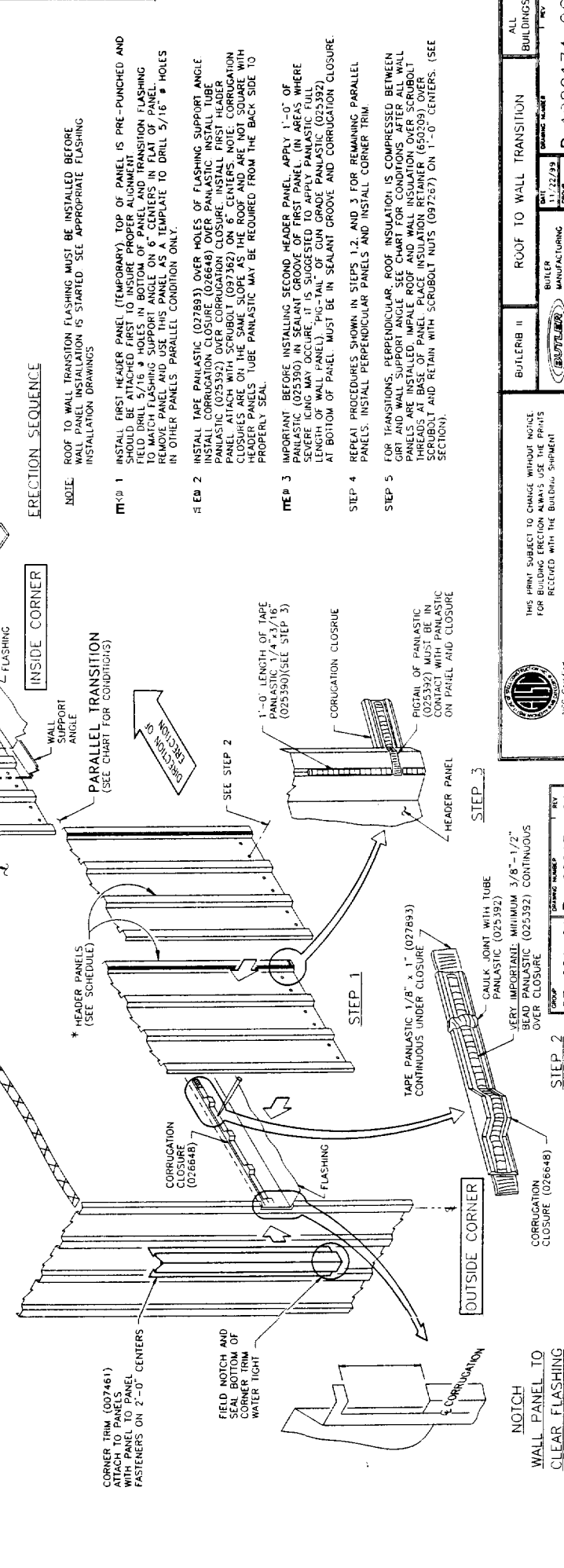


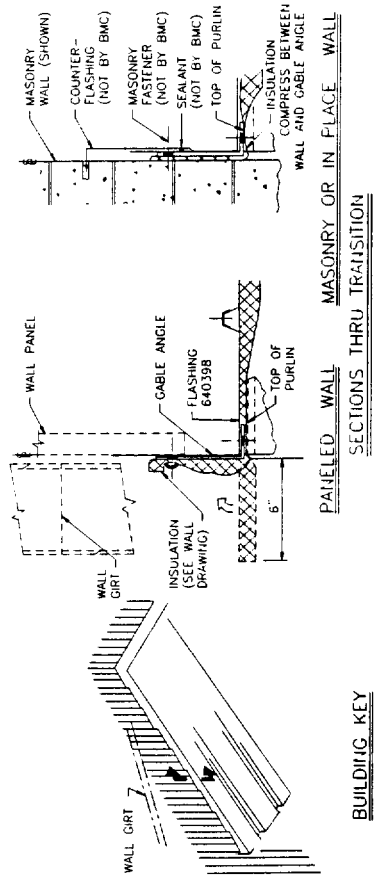
PERPENDICULAR TRANSITION SEE CHART FOR CONDITIONS

PARALLEL TRANSITION SEE CHART FOR CONDITIONS



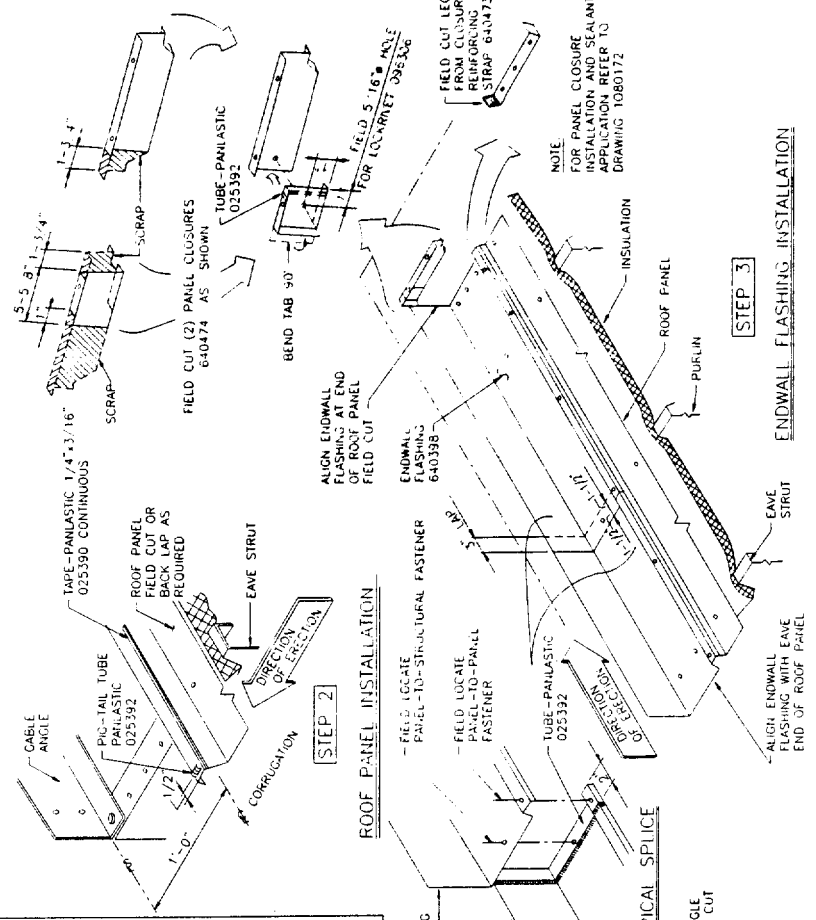
PERPENDICULAR TRANSITION (SEE CHART FOR CONDITIONS)





PARALLEL WALL MASONRY OR IN PLACE WALL SECTIONS THRU TRANSITION

BUILDING KEY



ROOF PANEL INSTALLATION

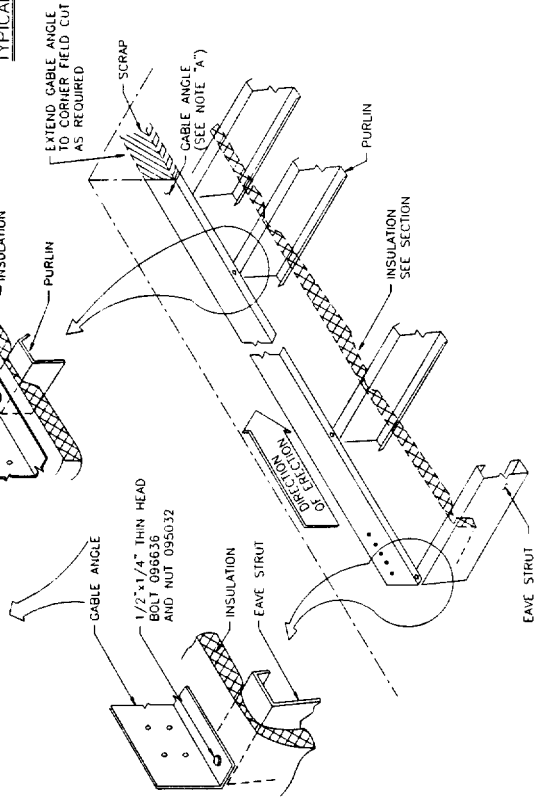
TYPICAL SPLICE

**STEP 3
ENDWALL FLASHING INSTALLATION**

ERECTION SEQUENCE

- STEP 1** • ATTACH CABLE ANGLE TO EAVE STRUT AND PURLINS WITH 1/2"x1/4" THIN HEAD BOLT AND NUT.
- STEP 2** • INSTALL ROOF PANELS BACK-LAP OR CUT PANELS AS REQUIRED SO EDGE CORRUGATION IS 1'-0" FROM ENDWALL STRUCTURAL LINE.
- STEP 3** • ALIGN ENDWALL FLASHING 640398 AT EAVE END OF ROOF PANEL. FIELD CUT UPPER END FIRST FLASHING 1'-1/2" PAST 5/16" PURLIN HOLES TO MAINTAIN 3" SPACE. ATTACH FLASHING TO EAVE STRUT AND PURLINS WITH PANEL-TO-STRUCTURAL FASTENERS, UNTIL NEXT FLASHING IS IN PLACE. FLASHING IS 10'-3" LONG.
- APPLY TUBE-PANPLASTIC TO UPPER END OF FIRST FLASHING. SET SECOND FLASHING IN PLACE SO A 3" SPACE IS ACHIEVED. FASTEN TO PURLINS WITH PANEL-TO-STRUCTURAL FASTENERS (OMIT AT UPPER SPICE). REPEAT THIS PROCEDURE FOR CONTINUED FLASHING INSTALLATION.
- NOTE: FLASHING SPICE WILL BE 2'-1/2" FOR BUILDINGS WITH 1:12 ROOF SLOPE.
- PREPARE PANEL CLOSURES 640474 AND STRAP 640473 AS SHOWN. PREPARATION REQUIRES (2) PANEL CLOSURES. SET MODIFIED PANEL CLOSURES IN PLACE TO INSURE FIT-UP BEFORE FASTENING TOGETHER.
- INSTALL CLOSURES AND STRAP USING STANDARD PROCEDURES.

NOTE "A"
 INVERT CABLE ANGLE AS SHOWN IN STEP 1 AND LOCATE AS SHOWN ON DRAWING 1/4 TO 12 DWG 104162, 56F 0111 1/4 TO 12 THRU 4 12 DWG 104259



STEP 1

CABLE ANGLE INSTALLATION

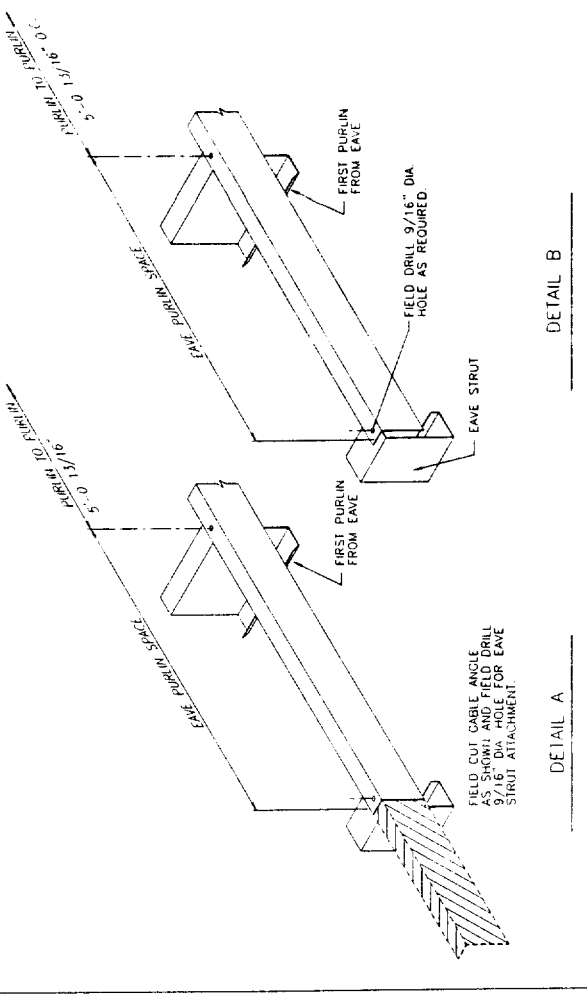
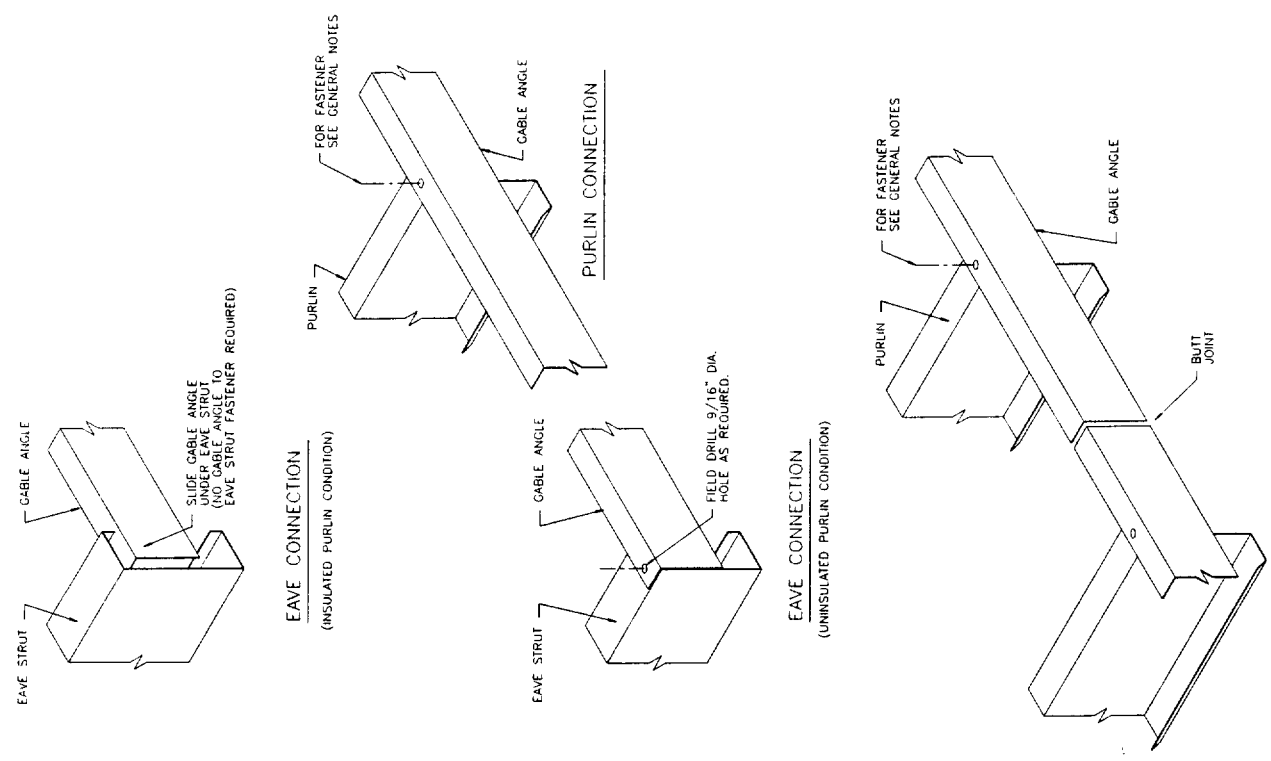
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GROUP 04-021-02 B 1080182 04

DATE 12/15/95
 DRAWING NUMBER B 1080182 04
 WIDESPAN BUTLERB II ROOF BUTLERB II ROOF

PARALLEL TRANSITION INSTALLATION



CABLE ANGLE USAGE CHART

ROOF SLOPE		ROOF TYPE	INTERM. PURLIN SPACE	CABLE PART. NO.	GABLE ANGLE LENGTH	NOTE
MIN.	MAX.					
1/4 (250)	3/4 (749)	BR11 & MR-24	5'-0" 1/16"	520007	239 3/4"	
		CMR-24 & VSR	5'-0" 1/16"	520054	239 3/4"	
3/4 (750)	1 1/4 (1249)	BR11 & MR-24	5'-0" 1/4"	520022	239 3/4"	
		CMR-24 & VSR	5'-0" 1/4"	520055	239 3/4"	
1 1/4 (1250)	3 1/2 (349)	BR11 & VSR	5'-0" 13/16"	520045	241 29/32"	DETAIL B
		MR-24	5'-0" 13/16"	520045	241 29/32"	DETAIL B
		CMR-24	5'-0" 13/16"	520045	241 29/32"	DETAIL B
		BR11	5'-3" 1/4"	520021	250 5/8"	
3 1/2 (350)	4 (400)	VSR	5'-0" 13/16"	520045	241 29/32"	DETAIL A
		MR-24	5'-0" 13/16"	520045	241 29/32"	DETAIL A
		CMR-24	5'-0" 13/16"	520045	241 29/32"	DETAIL A

GENERAL NOTES

1. INSTALL CABLE ANGLE FROM EAVE TO RIDGE
2. FIELD CUT AT RIDGE AS NECESSARY. SOME WIDTH BLDGS REQUIRE THE DROP OFF TO BE USED ON THE OPPOSITE SIDE OF THE RIDGE.
3. ATTACH CABLE ANGLE WITH 1/2" x 1/4" THIN HD. HEX BOLT (096630) AND 1/2" HEX NUT (095031)

THIS FRAME SUBJECT TO CHANGE WITHOUT NOTICE FOR BUILDING ERECTION ALWAYS USE THE PRINTS RECEIVED WITH THE BUILDING SHIPMENT

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GROUP 79-001-02 B 1080944 02

DATE 11/18/98

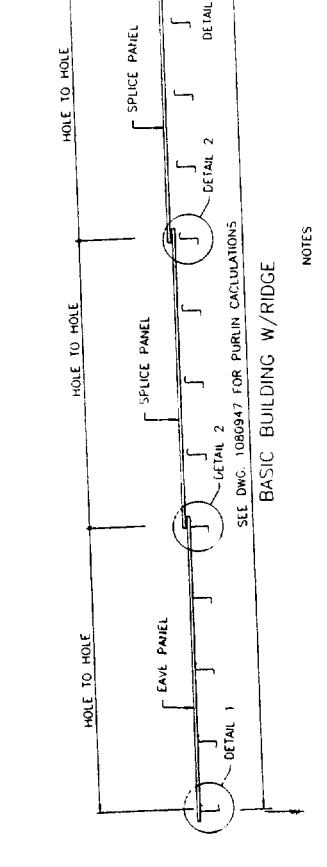
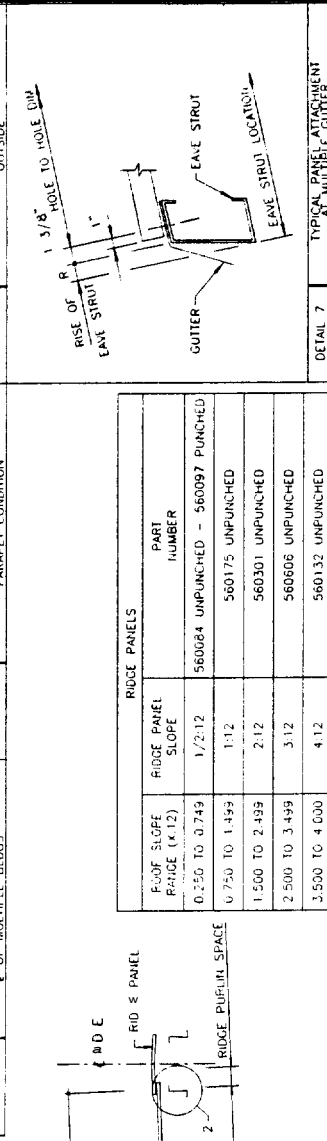
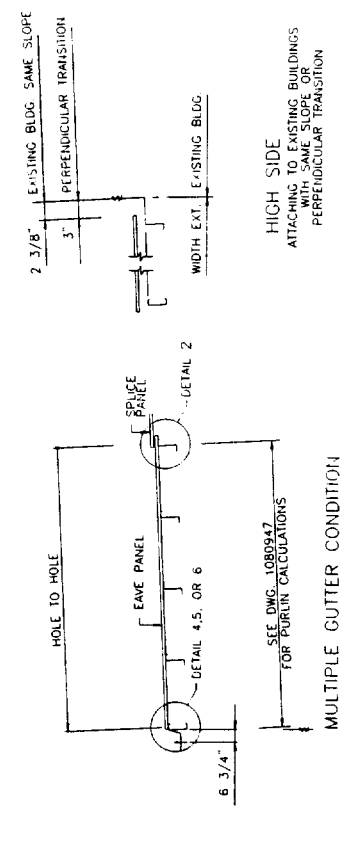
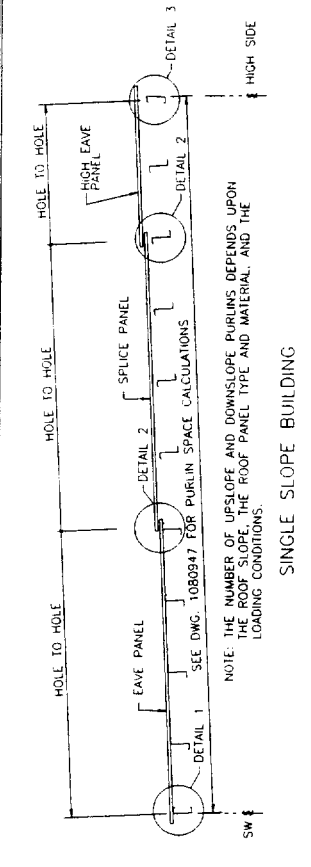
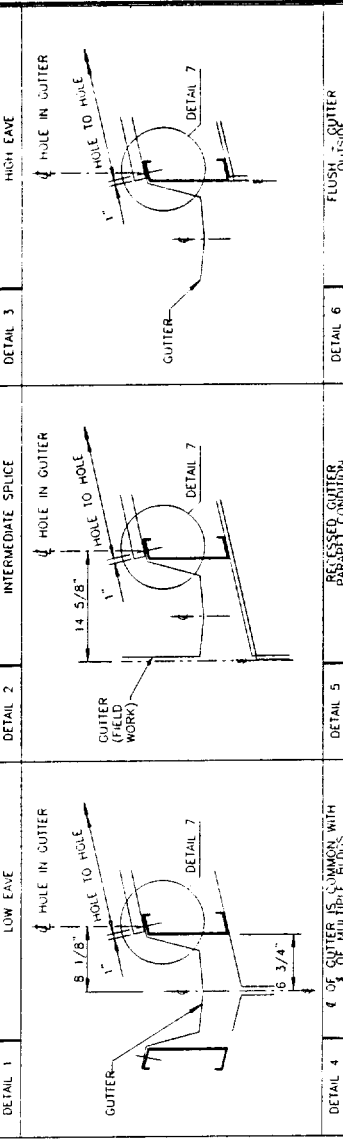
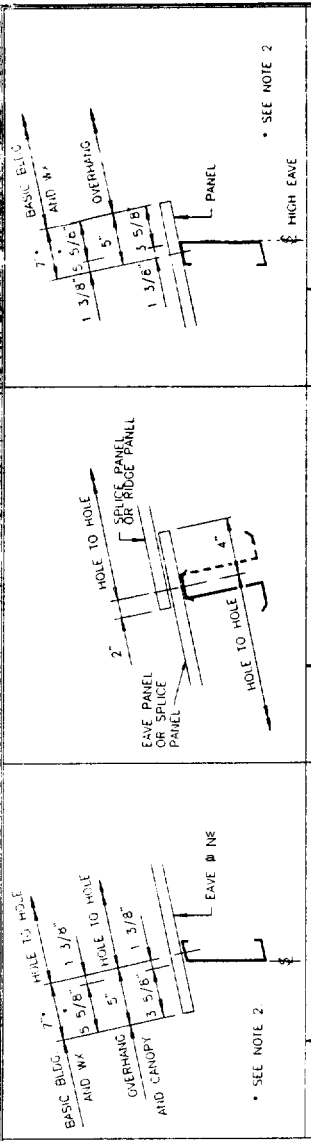
GROUP 79-001-02 B 1080944 02

WIDESPAN

CABLE ANGLE INSTALLATION 1/4-12 THRU 4-12

CABLE ANGLE

BULWER MANUFACTURING COMPANY



RIDGE PANELS	RIDGE PANEL SLOPE	PART NUMBER	EAVE PANELS		CONTOURED GUTTER WITH OR WITHOUT WEATHER - SEAL
			UNTRIMMED EAVE	EAVE TRIM	
0.250 TO 0.749	1/2-12	560064 UNPUNCHED - 560097 PUNCHED	027056	027060	027060
0.750 TO 1.499	1-12	560175 UNPUNCHED	027057	027061	027061
1.500 TO 2.499	2-12	560301 UNPUNCHED	027068	027058	027058
2.500 TO 3.499	3-12	560506 UNPUNCHED	027069	027059	027059
3.500 TO 4.000	4-12	560132 UNPUNCHED			027938

PANEL TYPE	PANEL LOCATION	UNTRIMMED EAVE	EAVE TRIM	CONTOURED GUTTER WITH OR WITHOUT WEATHER - SEAL	HIGH SIDE WITH EAVE TRIM OR FASCIA
FACTORY PUNCHED (BASIC BLDG.)	R. H. SLOPE	027056	027060	027060	560280
FACTORY PUNCHED (OVERHANGS CANOPIES)	L. H. SLOPE	027057	027061	027061	560230
UNPUNCHED	R. H. SLOPE	027068	027058	027058	560282
UNPUNCHED	L. H. SLOPE	027069	027059	027059	560281
UNPUNCHED	EITHER SLOPE				

NOTE: SLOPE DIFFERENCE IS THE DIFFERENCE WHEN THE RISE OF THE LOWER ROOF IS SUBTRACTED FROM THE RISE OF THE UPPER ROOF

ROOF SLOPE	SLOPE DIFFERENCE	2.50-5.50	5.51-GREATER
.000-.249	250-999	1.00-2.49	2.50-5.50
R. H. SLOPE	NONE	560176	560130
L. H. SLOPE	NONE	560177	560131

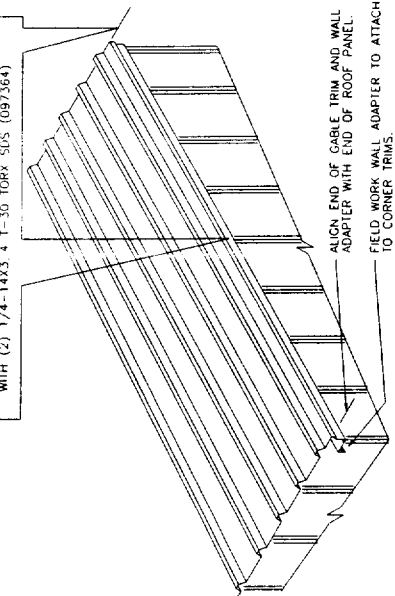
NOTE: SLOPE DIFFERENCE IS THE DIFFERENCE WHEN THE RISE OF THE LOWER ROOF IS SUBTRACTED FROM THE RISE OF THE UPPER ROOF

ROOF SLOPE	CONDITION	STEPPED FLASHING
R. H. SLOPE	NONE	560130
L. H. SLOPE	NONE	560131

NOTES:
 1. SEE DRAWING 1080947 FOR PURLIN SPACE INFORMATION.
 2. FOR BUILDINGS WITH ROOF SLOPES OF 3:12 AND GREATER WITH 4" THERMAWALL OR 4" TEXTUREWALL ON SIDEWALL, THE EAVE PANEL MUST BE EXTENDED 1" (SEE DRAWING 107472).
 3. STANDARD 10' CANOPY PANEL LENGTH IS 115'-4".
 4. FOR BUTLERB II LITE-PANEL SEE DRAWING 102894.

SINGLE SLOPE BUILDINGS

- 1 ALIGN ENDS OF GABLE TRIM AND WALL ADAPTER WITH ENDS OF THE ROOF PANEL.
- 2 WALL BUTLER TAPES (630303) AT ANG. SLOPE WITH (2) 1/4"-14X3/4 T-30 TORX SDS (097364)



GABLE TRIM & WALL ADAPTER - GENERAL

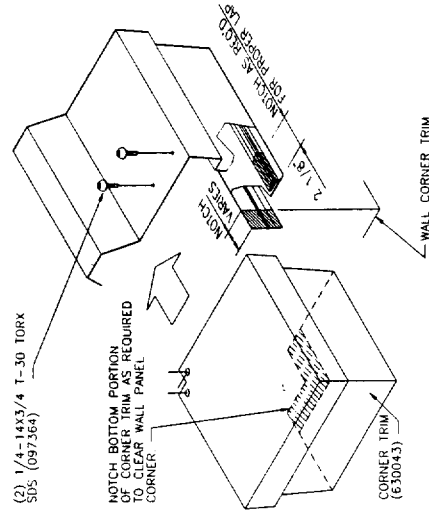
ALIGN END OF GABLE TRIM AND WALL ADAPTER WITH END OF ROOF PANEL. FIELD WORK WALL ADAPTER TO ATTACH TO CORNER TRIMS.

PARTS SCHEDULE

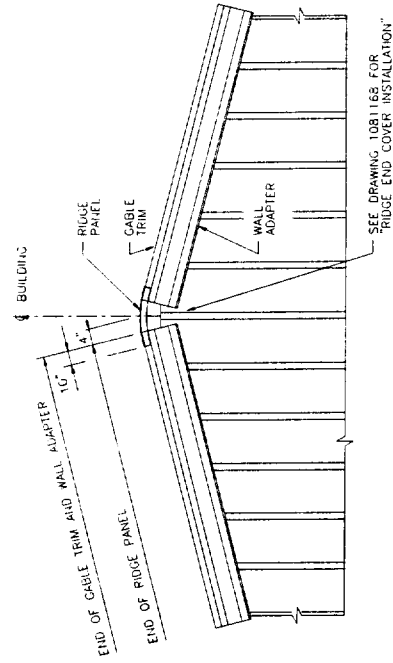
WALL ADAPTER		GABLE TRIM	
WALL PANEL	PART NUMBER	LEFT SLOPE	RIGHT SLOPE
	LENGTH	PART NO.	PART NO.
NON-BMC WALL (SEE DWG. 1081259)	630310	630306	630307
BUTLER II, SHADOWNAL STYLING, FLUTE, THERMAWALL & TEXTUREWALL (2')	630312		
THERMAWALL & TEXTUREWALL (2'-1/2" & 3')	630313		
THERMAWALL & TEXTUREWALL (4')	630314		

GABLE TRIM AND WALL ADAPTERS FURNISHED TO LENGTH SHOWN IN PARTS SCHEDULE. FIELD CUT TO LENGTH REQUIRED.

(2) 1/4"-14X3/4 T-30 TORX SDS (097364)

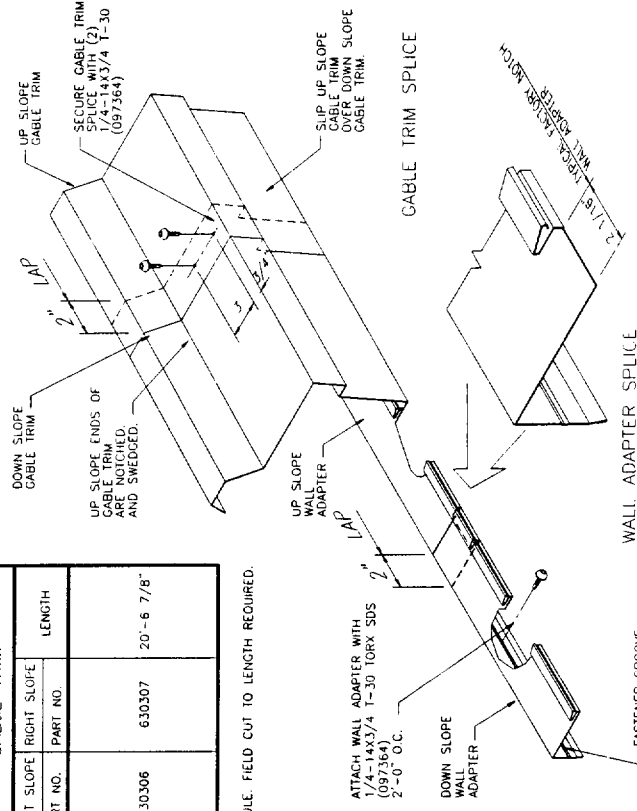


GABLE TRIM TO CORNER TRIM



GABLE TRIM & WALL ADAPTER AT RIDGE

DOUBLE SLOPE BUILDINGS



GABLE TRIM & WALL ADAPTER SPLICE

GABLE TRIM TO CORNER TRIM

GABLE TRIM & WALL ADAPTER AT RIDGE

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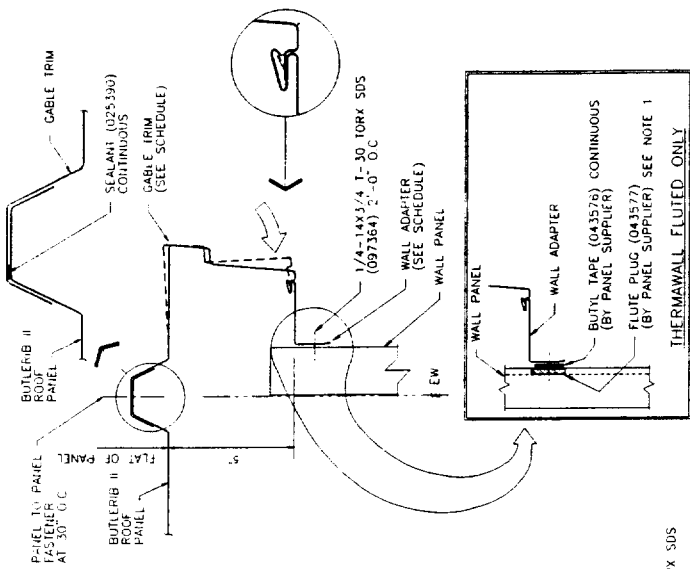


Butler Manufacturing Company
1081166-02

GROUP 04-001-02
DRAWING NUMBER B 1081166 03
REV

BRII ROOF
CABLE TRIM AND WALL ADAPTER
INSTALLATION
DATE 02/19/00
DRAWING NUMBER B 1081166 03

WIDESPAN
REV



GABLE TRIM & WALL ADAPTER ASSEMBLY

NOTES:

1. FIELD CUT ADHESIVE FOAM STRIP & INSTALL AT EACH PANEL FLUTE.
2. INSTALL BUTYL TAPE (1/8" X 1" X 40') OVER FLUTE PLUG.

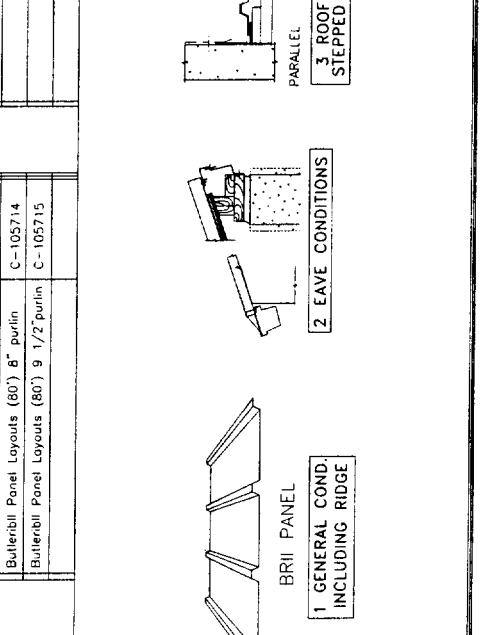
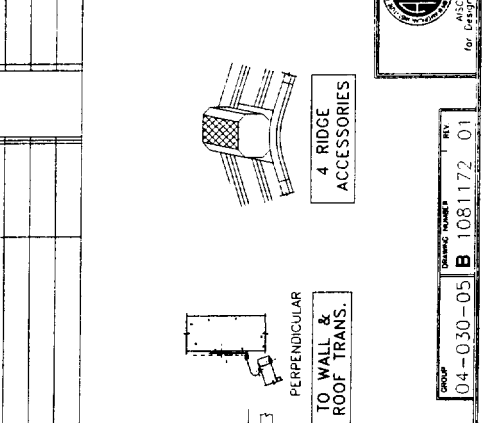
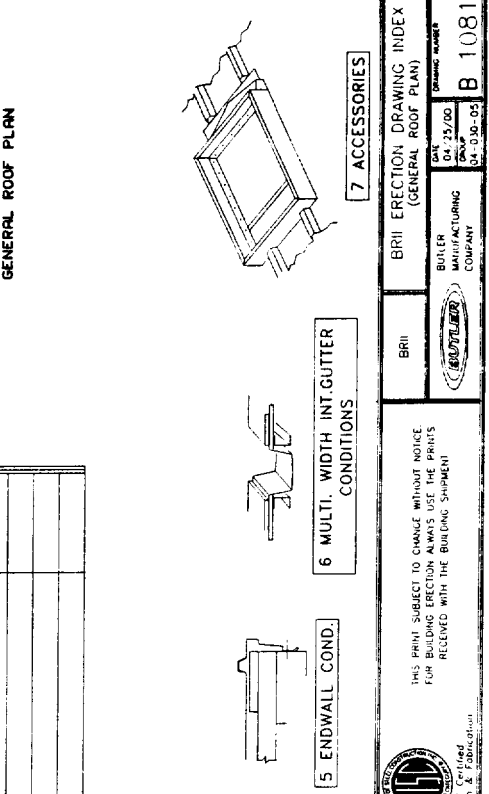
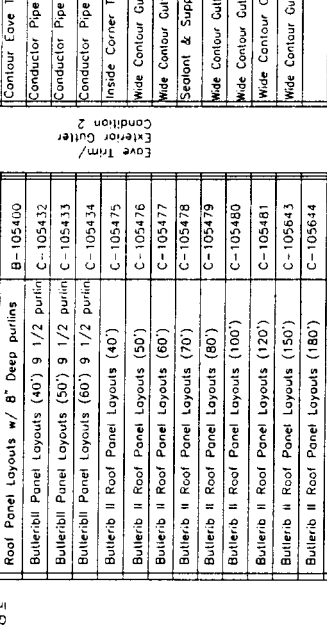
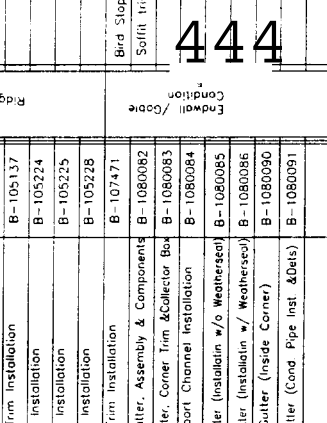
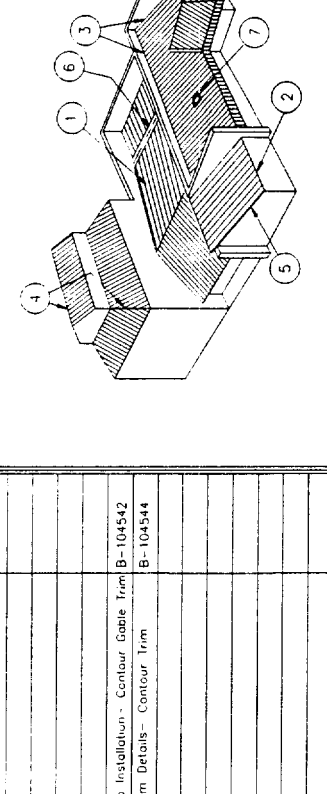
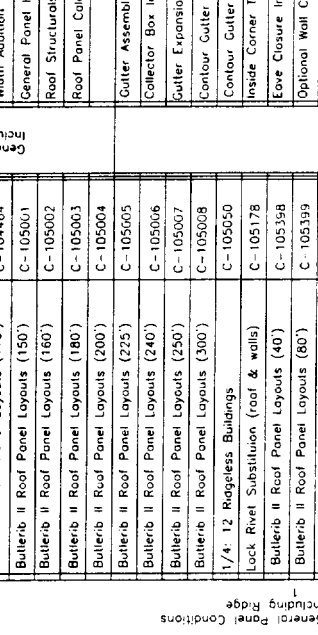
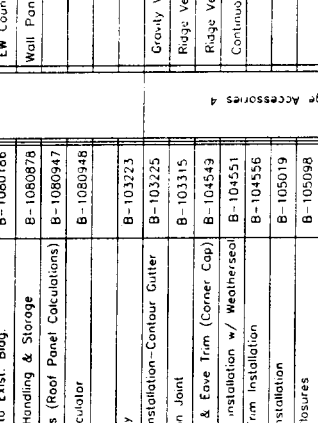
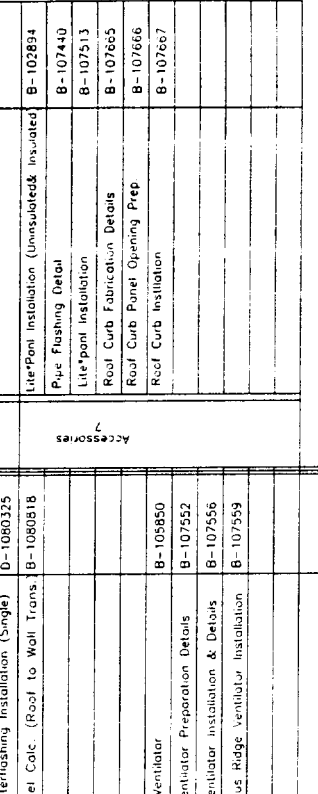
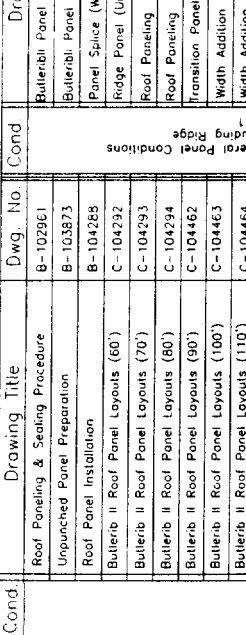
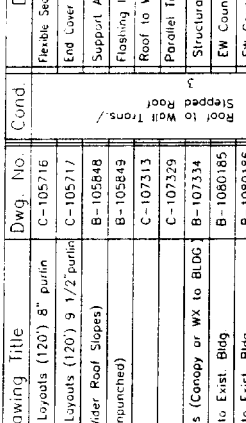
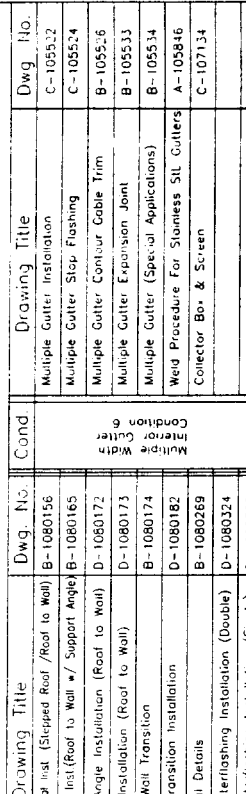
ERECTION SEQUENCE:

1. SNAP CHALK LINE ON FACE OF WALL PANEL AT 5" DIMENSION SHOWN ABOVE.
2. ATTACH WALL ADAPTER TO WALL PANEL ALIGNING HORIZONTAL LEG WITH CHALK LINE. LOCATE TORX FASTENERS AT FASTENER GROOVE IN WALL ADAPTER.
3. PLACE GABLE TRIM CORRUGATION OVER ROOF PANEL CORRUGATION. ENGAGE LOWER LEG OF GABLE TRIM INTO WALL ADAPTER USING HAND PRESSURE. SNAP GABLE TRIM INTO WALL ADAPTER VISUALLY CHECK TO ASSURE GABLE TRIM IS FULLY ENGAGED.
4. ATTACH CABLE TRIM TO ROOF PANEL WITH PANEL TO PANEL FASTENER AT 30" O.C.

BRII ERECTION DRAWING INDEX

Cond.	Drawing Title	Dwg. No.	Cond.	Drawing Title	Dwg. No.	Cond.	Drawing Title	Dwg. No.	Cond.	Drawing Title	Dwg. No.
	Roof Paneling & Sealing Procedure	B-102961		Butterbll Panel Layouts (120" B" purlin	C-105716		Flexible Seal Inst (Stepped Roof /Roof to Wall)	B-1080156		Multiple Gutter Installation	C-105532
	Unpunched Panel Preparation	B-103873		Butterbll Panel Layouts (120") 9 1/2" purlin	C-105717		End Cover Inst(Roof to Wall w/ Support Angle)	B-1080165		Multiple Gutter Slip Flashing	C-105534
	Roof Panel Installation	B-104268		Panel Splice (Wider Roof Slopes)	B-105848		Support Angle Installation (Roof to Wall)	D-1080172		Multiple Gutter Contour Cable Trim	B-105536
	Butterbll II Roof Panel Layouts (80')	C-104292		Ridge Panel (Unpunched)	C-105849		Flashing Installation (Roof to Wall)	D-1080173		Multiple Gutter Expansion Joint	B-105533
	Butterbll II Roof Panel Layouts (70')	C-104293		Roof Paneling	C-107313		Roof to Wall Transition	B-1080174		Multiple Gutter (Special Applications)	B-105534
	Butterbll II Roof Panel Layouts (80')	C-104294		Roof Paneling	C-107329		Parallel Transition Installation	D-1080182		Weld Procedure For Seamless Sill Gutters	A-105846
	Butterbll II Roof Panel Layouts (90')	C-104462		Transition Panels (Cenopy or WX to BLDG)	B-107334		Structural Details	B-1080269		Connector Box & Screen	C-107134
	Butterbll II Roof Panel Layouts (100')	C-104463		Width Addition to Exst. Bldg	B-1080185		EW Counterflashing Installation (Double)	D-1080324		Flashing Installation (Uninsulated& Insulated)	B-103894
	Butterbll II Roof Panel Layouts (110')	C-104464		Width Addition to Exst. Bldg	B-1080186		EW Counterflashing Installation (Single)	D-1080325		Pipe Flashing Detail	B-107440
	Butterbll II Roof Panel Layouts (150')	C-105001		General Panel Handling & Storage	B-1080978		Wall Panel Conc. (Roof to Wall Trans.)	B-1080818		Lite Panel Installation	B-107513
	Butterbll II Roof Panel Layouts (160')	C-105002		Roof Structuralis (Roof Panel Calculations)	B-1080947		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818		Roof Curb Fabrication Details	B-107665
	Butterbll II Roof Panel Layouts (180')	C-105003		Roof Panel Calculator	B-1080948		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818		Roof Curb Panel Opening Prep	B-107666
	Butterbll II Roof Panel Layouts (200')	C-105004		Gutter Assembly	B-103223		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818		Roof Curb Installation	B-107667
	Butterbll II Roof Panel Layouts (225')	C-105005		Collector Box Installation-Contour Gutter	B-103225		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (240')	C-105006		Gutter Expansion Joint	B-103315		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (250')	C-105007		Contour Gutter & Eave Trim (Corner Cap)	B-104549		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (300')	C-105008		Contour Gutter Installation w/ Weatherseal	B-104551		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	1/4" 12 Ridgeless Buildings	C-105050		Inside Corner Trim Installation	B-104556		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Lock Rivet Substitution (roof & walls)	C-105178		Eave Closure Installation	B-105019		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (40')	C-105199		Optional Wall Closures	B-105098		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (60')	B-105400		Contour Eave Trim Installation	B-105137		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (40') 9 1/2" purlin	C-105432		Conductor Pipe Installation	B-105224		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (50') 9 1/2" purlin	C-105433		Conductor Pipe Installation	B-105225		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (60') 9 1/2" purlin	C-105434		Conductor Pipe Installation	B-105228		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (40')	C-105475		Inside Corner Trim Installation	B-107471		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (50')	C-105476		Wide Contour Gutter, Assembly & Components	B-1080082		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (60')	C-105477		Wide Contour Gutter, Corner Trim & Collector Box	B-1080083		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (70')	C-105478		Wide Contour Gutter, Support Channel Installation	B-1080084		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (80')	C-105479		Wide Contour Gutter (Installation w/o Weatherseal)	B-1080085		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (100')	C-105480		Wide Contour Gutter (Installation w/ Weatherseal)	B-1080086		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (120')	C-105481		Wide Contour Gutter (Inside Corner)	B-1080090		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (150')	C-105643		Wide Contour Gutter (Contd. Pipe Inst. & Details)	B-1080091		Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (180')	C-105644					Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (80') 8" purlin	C-105714					Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			
	Butterbll II Roof Panel Layouts (80') 9 1/2" purlin	C-105715					Roof Panel Calc. (Roof to Wall Trans.)	B-1080818			

1 GENERAL COND. INCLUDING RIDGE
2 EAVE CONDITIONS
3 ROOF TO WALL & STEPPED ROOF TRANS.
4 RIDGE ACCESSORIES
5 ENDWALL COND.
6 MULTI. WIDTH INT.GUTTER CONDITIONS
7 ACCESSORIES



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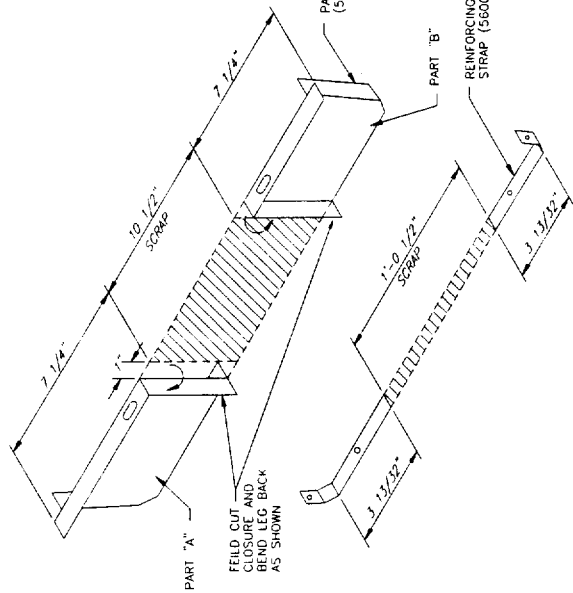
GENERAL ROOF PLAN

BRII ERECTION DRAWING INDEX (GENERAL ROOF PLAN)

BRII MANUFACTURING COMPANY

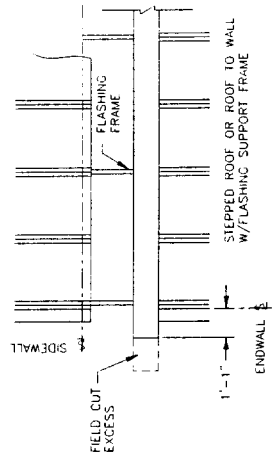
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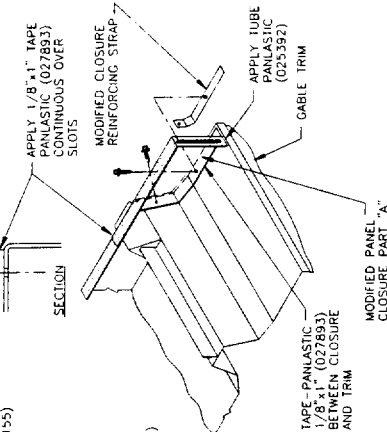
STEP 1

PANEL CLOSURE AND STRAP MODIFICATION



SECTION

SECTION



STEP 2

APPLY TAPE PANLASTIC 1/8" x 1" (027893) CONTINUOUS

BEND RETAINER UP TO HOLD FLEXIBLE SEAL IN ORIGINAL POSITION.

ROOF TO WALL FLASHING

STEP 6

INSIDE CORNER INSTALLATION

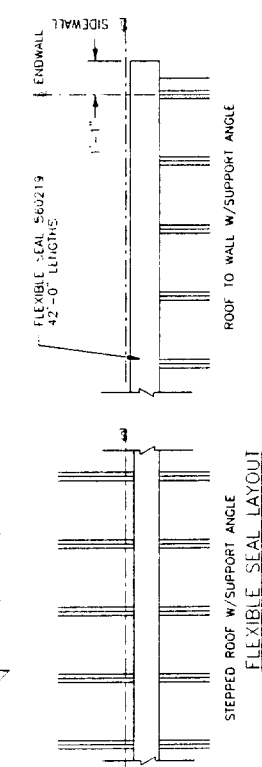
BEFORE INSTALLING FLASHING PRE-PUNCH FASTENER HOLES WITH STRIP PIN WITH FLEXIBLE SEAL. DRILL 1/8\"/>

PANEL CLOSURE

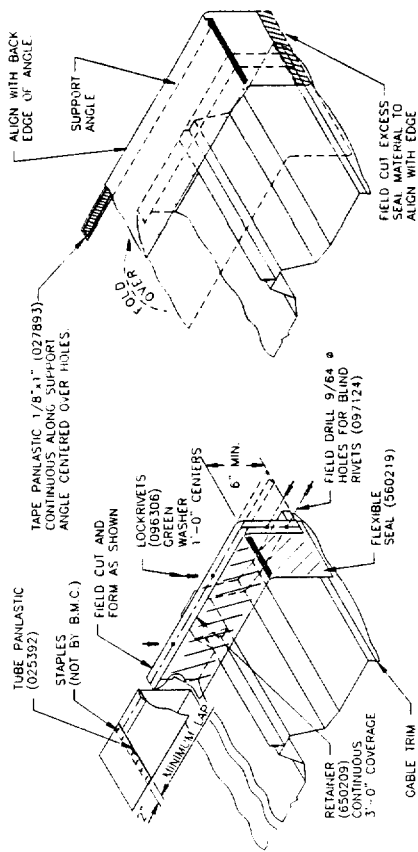
MR-24 ROOF

STEP 5

DIRECTION OF ERECTION



STEPPED ROOF W/SUPPORT ANGLE FLEXIBLE SEAL LAYOUT



STEP 3

ALIGN SEAL WITH BACK EDGE OF ANGLE.

ERECTION SEQUENCE

STEP 1 FIELD MODIFY PANEL CLOSURES AND REINFORCING STRAPS.

STEP 2 INSTALL MODIFIED PANEL CLOSURE AND APPLY PANLASTIC.

STEP 3 LOCATE AND ATTACH FLEXIBLE SEAL WITH RETAINING STRIPS (650209) ALONG ENTIRE LENGTH OF TRANSITION. WHEN FLEXIBLE SEAL SPLICE IS REQUIRED, APPLY PANLASTIC AND STAPLE FLEXIBLE SEALS TOGETHER.

STEP 4 STARTING AT ENDWALL APPLY TAPE-PANLASTIC TO FLASHING SUPPORT ANGLE. ROLL FLEXIBLE SEAL OVER & TEMPORARILY ATTACH TO FLASHING SUPPORT ANGLE BY STICKING SEAL TO PANLASTIC TRIM SEAL AS REQUIRED AT ENDWALL.

STEP 5 PUNCH HOLES IN FLEXIBLE SEAL TO MATCH FLASHING ATTACHMENT LOCATIONS.

* FOR CONTINUATION OF ERECTION SEQUENCE PROCEED TO APPROPRIATE FLASHING INSTALLATION DRAWING.

NOTE: ERECTION SEQUENCE SHOWN IN STEP 6 IS EQUIPPED WITH INSIDE CORNER CONDITIONS. DISREGARD IF NOT APPLICABLE TO BUILDING.



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MR-24

BUTLER MANUFACTURING COMPANY

DATE: 06/16/97

GROUP

PROJECT NUMBER

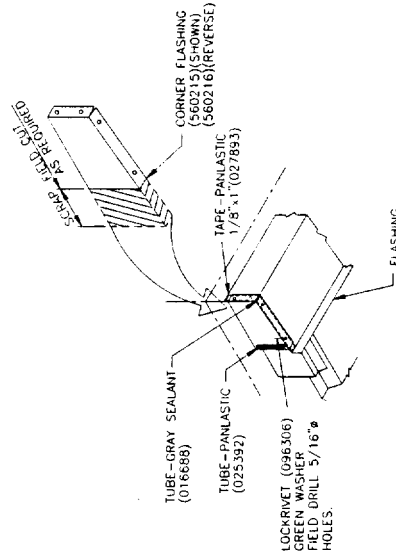
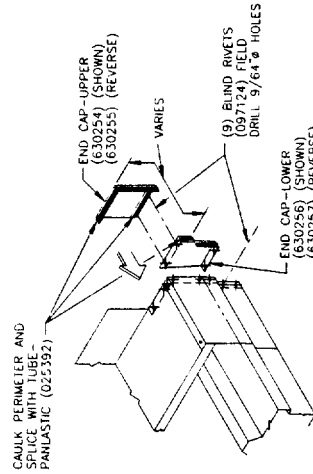
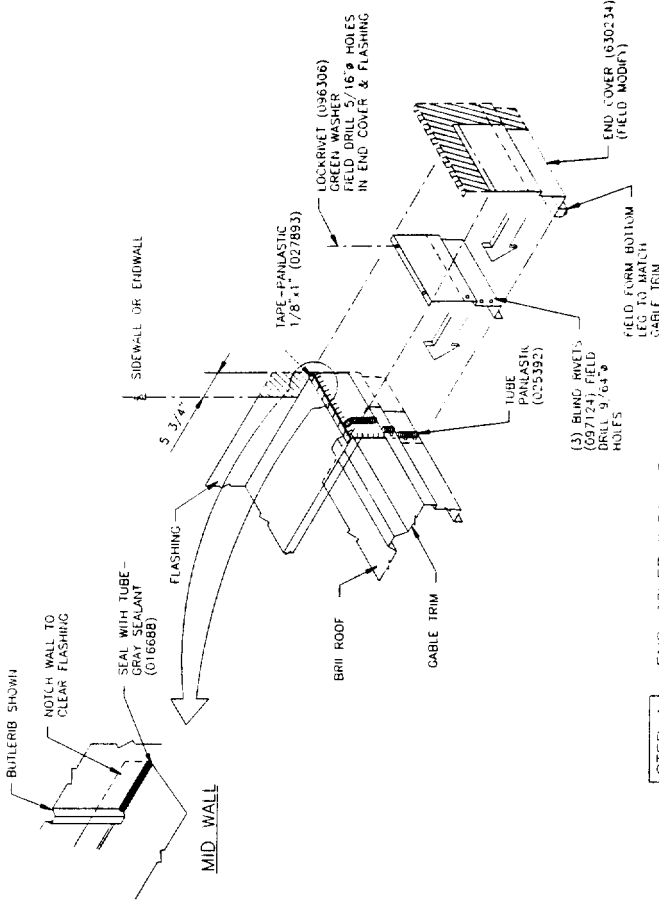
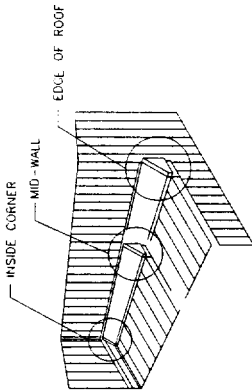
WIDESPAN

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ERECTION SEQUENCE

- STEP 1**
- *FIELD CUT UP-STANDING LEG OF FLASHING AT STRUCTURAL LINE, IF NOT PREVIOUSLY CUT
 - *APPLY PANPLASTIC
 - *FIELD MODIFY AND INSTALL END COVER ATTACH TO GABLE
 - *FIELD MODIFY AND INSTALL END COVER ATTACH TO MID-WALL APPLICATION ONLY
 - *ATTACH END COVER CAP TO END COVER BEFORE INSTALLING (SEE STEP 2) BUT AGAINST OUTSIDE FACE OF WALL PANEL
- STEP 2**
- *SPlice UPPER AND LOWER END COVER CAPS TOGETHER AND ATTACH TO END COVER
- STEP 3**
- INSIDE CORNER
 - *FIELD MODIFY CORNER FLASHING
 - *FIELD CUT TRANSITION FLASHING AT INSIDE CORNER AND INSTALL. SEE TRANSITION FLASHING INSTALLATION DRAWING.
 - *APPLY PANPLASTIC
 - *ATTACH INSIDE CORNER FLASHING. MUST BE INSTALLED BEFORE WALL PANELS.

END COVER CAP ASSEMBLY AND INSTALLATION

STEP 2

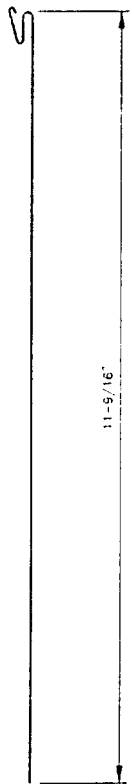
STEP 3

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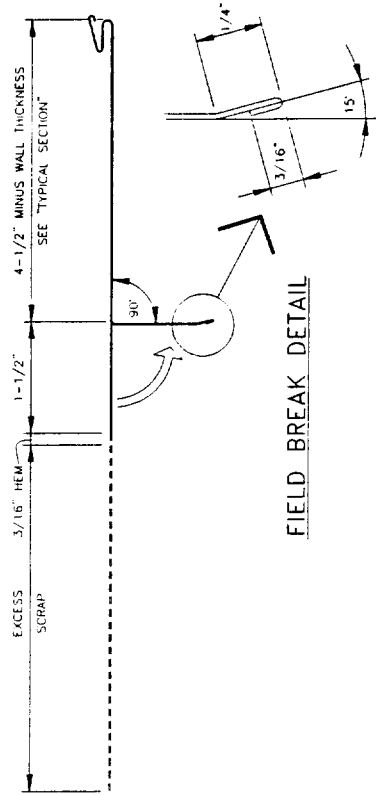
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for Design & Fabrication

GROUP	DATE	REVISION	BY
04-020-02	04/18/92		
DRAWING NUMBER		PROJECT NUMBER	
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BUTLER MANUFACTURING COMPANY		WIDESPAN	

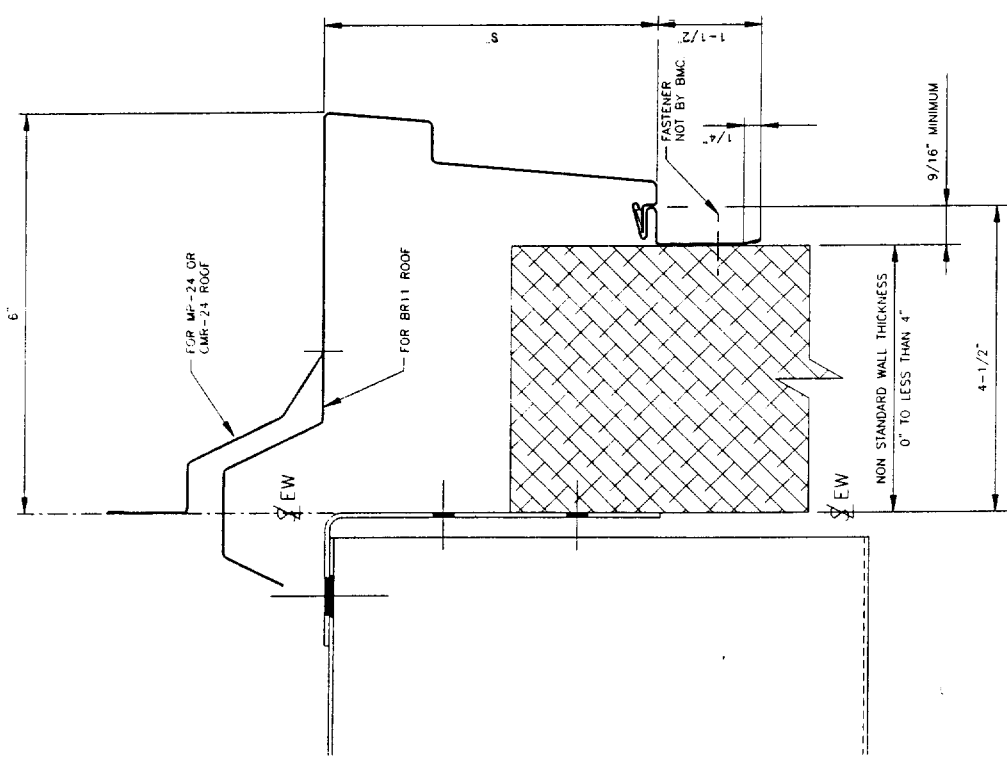


630310 VARIABLE WALL ADAPTER

THE VARIABLE WALL ADAPTER IS FURNISHED AS SHOWN ABOVE AND TO 4-1/2" LONG.
 IT IS INTENDED FOR USE ON CUSTOMER SPECIFIC JOB SITE CONDITIONS, IE. NON-BMC WALLS, MASONRY, ETC.
 FIELD BREAKING OF PART IS REQUIRED AS SHOWN BELOW



FIELD BREAK DETAIL



TYPICAL SECTION

	BRI MR-24 CMR-24	VARIABLE WALL ADAPTER INSTL. FOR NON-BMC WALL CONDITIONS	WIDESPAN
	BUTLER MANUFACTURING COMPANY	BUT 16 297 01-001-02	B 1081259 00

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for Design & Fabrication

GROUP 01-001-02 REV 00
 DRAWING NUMBER B 1081259-00

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Date: 6/15/04 11:17:35AM

FASTROOF FastParts Pricing Details

Version: 5.5.19

Project: Nichols Portland 04092004

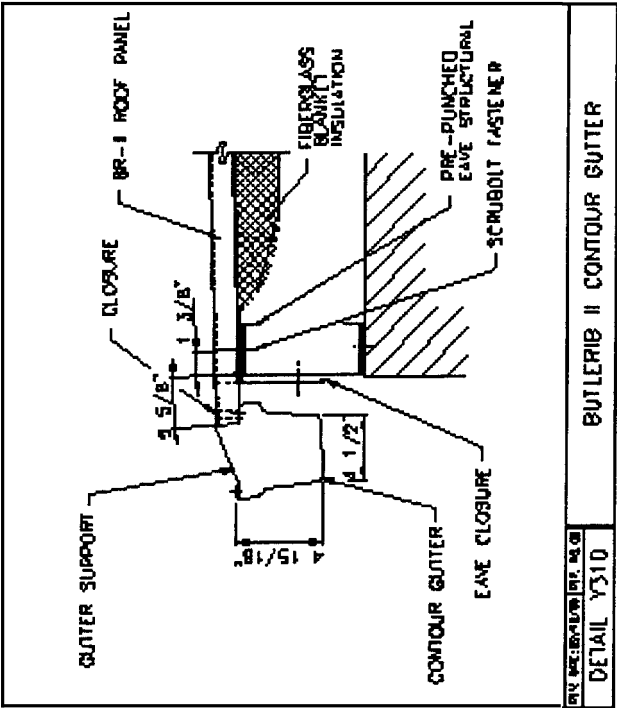
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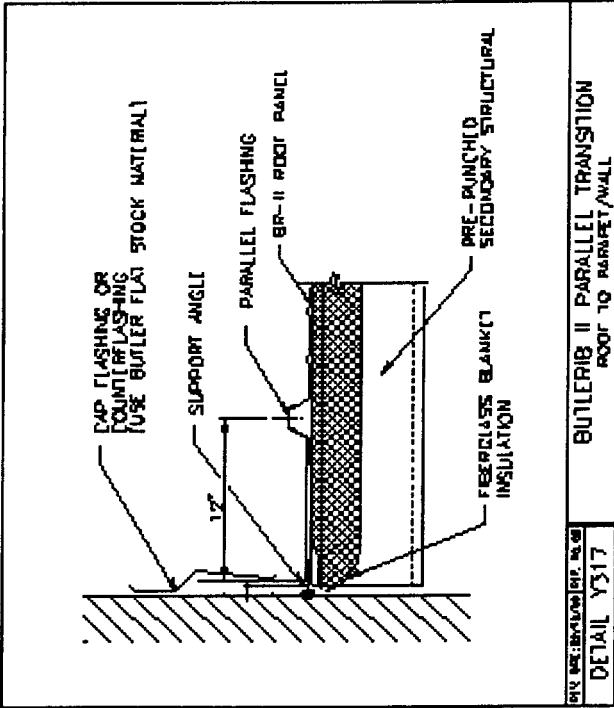
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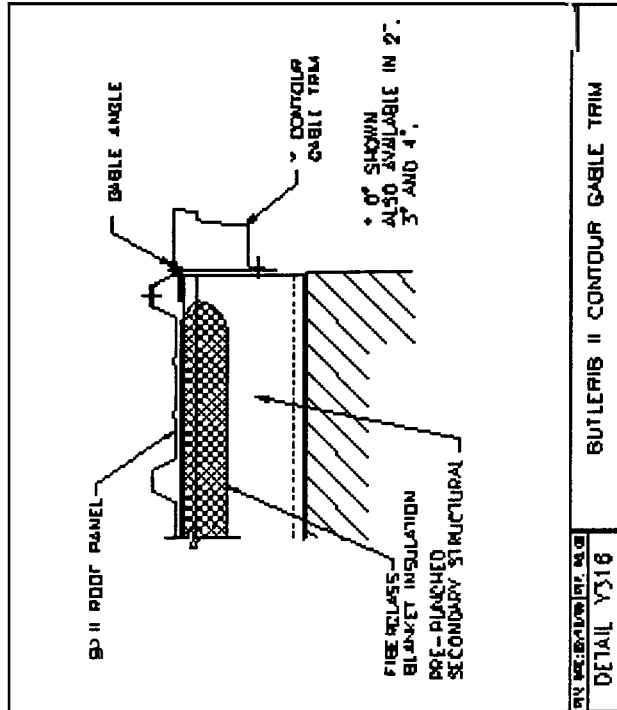
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Y310	0	2/9/99	ButleribII Contour Gutter
Y316	0	2/9/99	ButleribII Contour Gable Trim
Y317	0	2/9/99	ButleribII Parallel Transition Roof to Parapet/Wall
Y318	0	2/9/99	ButleribII Perpendicular Transition Roof to Parapet/Wall



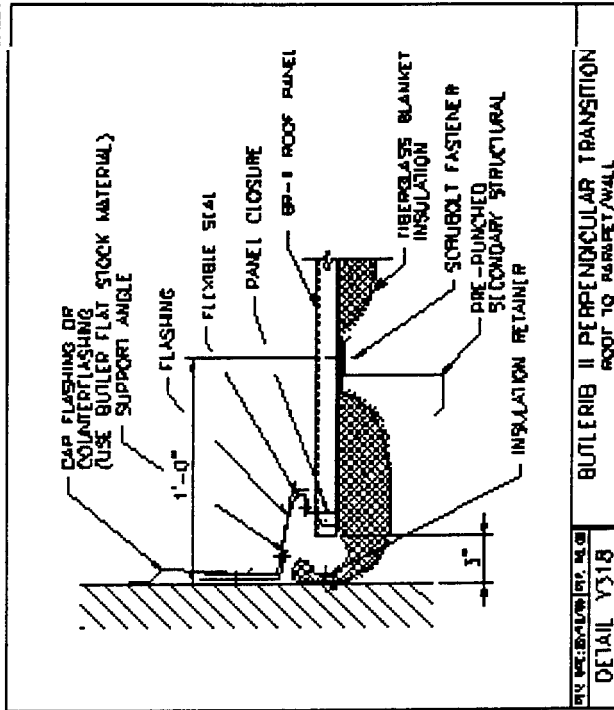
BUTLERIB II CONTOUR GUTTER
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BUTLERIB II PARALLEL TRANSITION
 DETAIL Y317



BUTLERIB II CONTOUR GABLE TRIM
 DETAIL Y316



BUTLERIB II PERPENDICULAR TRANSITION
 DETAIL Y318

Project:	Building Description:	Drawing Title:	Ver-5.5.19 6/15/04 11:34 AM
Builder:	Scale:	Drawing No.:	Rev.: