ADDENDUM NO. 2

ADDITION OF TWO WAREHOUSE/STORAGE BUILDING AND RENOVATION TO CREATE BEHAVIORAL INTERVENTION ROOMS, ACADIANA CENTER FOR YOUTH

November 24, 2025

**** Addendum No. 2 is released correcting typographical errors in Addendum No. 1**

1. Minutes of the non-mandatory Pre-Bid meeting held on November 17, 2025 are attached.

2. Sign-in sheet for Pre-Bid meeting is attached**.**

3. General specifications for the crane are attached, along with example cut sheets.

4. **CLARIFICATIONS AND MODIFICATIONS TO CONTRACT DOCUMENTS**

   A Injected spray foam insulation is acceptable in lieu of perlite for the specified locations. Contractor shall ensure that the selected product meets all applicable code requirements and performance criteria noted in the project specifications.

   B Omit the 4-inch decorative tile band from the scope of work in its entirety.

   C Prior to removal of any existing fencing, the contractor must install permanent fence to fully secure the complex. Refer to Sheet C100 for additional coordination and layout requirements.

5. **PRIOR APPROVALS (information attached)**

   A Telo-Pro Davit Crane Systems Model OZTP500DAV:
      a. Shall be rated for a minimum of 500 pounds and able to rotate 360°.
      b. Davit Crane shall mount to the pedestal base 16” x 16” plate shown on drawing.
      c. The boom shall be capable of a 66” reach.
      d. Unit shall be equipped with a manual wench and a steel wire rope 3/16” x 80’.

   B Pre-Engineered Metal Building – Delta Consolidated, LLC

6. **SPECIFIC QUESTIONS:**

   A **Question:** “Specifications call for aluminum thermal storefront for the 4 windows shown on the plans but the plans call for hollow metal window. Which do I go with?”
   Response: Please us Hollow Metal windows to match existing.

   B **Questions:** “Also the specification 085113 only lists YKK as an approved supplier and flush glazed system. Can we get Tubelite as an approved supplier (if those windows are aluminum storefront and not hollow metal)?”
   Response: Hollow Metal should be used.

   C **Question:** **“**Is this to be actual flush front or will thermally broken center glazed acceptable?”
   Response: Match existing configuration.

7. The Bid Date and Time remain the same. Tuesday, December 2, 2025 at 2:00 PM at the Office of Facility Planning and Control, 1201 North Third Street, Claiborne Office Building, Suire 7-160, Baton Rouge, LA 70802 or PO Box 94095, Baton Rouge, LA 70804-9095.

-- END OF ADDENDUM NO. 2 –

Respectfully,

William R. Aldridge

William R. Aldridge, Architect, AIA, NCARB
Ballard CLC, Inc.

Ballard CLC, Inc.
Service-Disabled Veteran-Owned Small Business
1009 Bayou Place
Alexandria, LA 71303
Tel: 318/445-6571
Fax: 318/448-0257

MEETING MINUTES – NON-MANDATORY PRE-BID

Project:	Addition of Two Warehouse Storage Buildings and Renovation to Create Behavioral Intervention Rooms
Date:	November 17, 2025
Time:	10:00 AM
Location:	Bunkie Acadiana Center for Youth
Attendees:	As listed on the attached sign-in sheet
Prepared By:	Dennis Edwards – Ballard CLC, Inc.

1. Project Overview
   - Official project title remains unchanged due to state capital outlay funding requirements, though the scope has evolved beyond the original intent.
   - The project includes two major components: a new pre-engineered metal warehouse and a small building addition for behavioral intervention rooms.

2. Project Scope
   - 2.1 New Warehouse – West Side of Campus
     - Approximately 800 SF pre-engineered metal building
     - Includes small office and restroom.
     - Metal siding with interior plywood sheathing at lower wall sections.
     - Open bay for storage.
     - Small concrete ramp at entry.
   - 2.2 Administration Building Addition – East Side
     - Approximately 25 SF addition constructed using CMU block, brick veneer, and metal wall panels to match existing finishes.
     - Contains three private offices for behavioral intervention/discussion.
     - Requires modification to the existing internal security system for controlled access from the north side.
     - Includes smoke wall connection per the contract documents.
   - 2.3 Roofing
     - Entire administration building roof to be re-shingled (asphalt shingles).
   - 2.4 Underground Utilities
     - Communications wiring exits the east end of the administration building.
     - Foundation along the north wall is engineered to bridge anticipated underground utilities.

3. Key Personnel
   - Bill Aldridge – Architect, Ballard CLC
   - Dennis Edwards – Construction Observation and Administration
   - Jack Godbery – State Facility Planning and Control, Project Manager
   - Walt Goodman – Maintenance Facility Representative / ASO Liaison
   - Scott Gilbert – Office of Juvenile Justice (in lieu of Curtis Badon)

4. Bidding and Contract Requirements
   - Bid Bond: 5% required
   - Bid Due: December 2, 2025, at 2:00 PM
     - Clayborn Building, Baton Rouge
     - Room 1-145 (Room 1 on the drawings)
   - Performance Bond: Required
   - Construction Duration: 365 calendar days
   - Liquidated Damages: $700 per day
   - Bids to remain valid for 45 days; contract anticipated to be awarded within this timeframe.

5. Site Access and Security Protocols
   - All vehicles inspected upon entry and exit.
   - Security will record license plates, personnel names, IDs, and conduct light inspections.
   - Gate entry becomes faster once personnel are recognized.
   - No firearms allowed on site.
   - No tobacco products allowed on site.
   - Truck access through rear maintenance gate only; no direct crossover to the front of campus.

6. Material Deliveries
   - Large deliveries (steel, aluminum, etc.) follow standard inspection procedures.
   - Security will notify Walt Goodman upon delivery arrival; he will provide unloading instructions.

7. Background Checks
   - Historically required, current enforcement uncertain.
   - Final directive will be issued from Baton Rouge.
   - Contractors should be prepared for possible background checks.

8. Schedule Discussion
   - 72-hour rule applies for issuance of last addenda.
   - Final day to submit bids: November 20, 2025.
   - Last day to issue addenda: Close of business on November 20, 2025.

9. Technical and Construction Notes
   - No new geotechnical report; original site soils report used for design.
   - No known gas lines serving the new buildings.
   - Water and sewer connections must be verified.
   - Electrical service to tie into existing systems.
   - CMU perlite insulation acceptable per specifications.
   - Decorative 4-inch CMU selected to match existing aesthetics.

10. Labor and Working Hours
    - Regular maintenance hours: 7:00 AM to 3:00 PM, Monday through Friday.

- Overtime and weekend work allowed with coordination.
- Facility staff must be present for after-hours construction activity.

11. Budget
    - Estimated project value: $1,290,000.

12. Additional Notes
    - Contractors must secure tools and materials on site.
    - Two forms of identification recommended for quicker gate access.
    - Port-o-john placement to be confirmed by Walt.
    - Contractors must ensure accuracy of all bid forms and required documentation.

13. Open Items / Pending Clarifications
    - Confirmation of any updated geotechnical report.
    - Final policy on background checks.
    - Confirmation of temporary restroom location.
    - Clarification of access routes for concrete trucks and pump trucks.

14. Site Walk
    - A general site walk was conducted following the meeting.
    - Attendees viewed locations for the proposed warehouse, building addition, utility routes, and access points.
    - No significant conflicts identified; future adjustments will be addressed as needed during construction.

Respectfully yours,

William R. Aldridge

William R. Aldridge, Architect, AIA, NCARB
COL. (R), USA
Principal & CEO

Attachment: Sign in Sheet

BALLARD CLC, INC.
ARCHITECTURE – ENGINEERING – SURVEYING

Pre-Bid Sign-In Sheet

Project:	Addition of Two Warehouse/Storage Buildings and Renovation to Create Behavioral Intervention Rooms, Acadiana Center for Youth	Date:	November 17, 2025
Facilitator:	William R. Aldridge, Ballard CLC, Inc	Location:	Acadiana Center for Youth Admin. Conference Room (E1005) 1536 Bordelon Road Bunkie, LA 71322

Name	Organization	Role/Title	E-Mail	Contractor	FP&C / OJJ	Arch / Engr	OJJ / Maint/Man					
William Aldridge	Ballard CLC, Inc	Architect	waldridge@ballard-clc.com			X						
Dennis Edwards	Ballard CLC, Inc.	Const. Admin.	Dedwards@ballard-clc.com			X						
Jack Godbery	FP&C	Proj. Manager	Jack.Godbery@la.gov		X							
~~Curtis Badon~~ Scott Guilbeau	OJJ	~~Prog. Manage~~ Maint. Man	~~Curtis.Badon@la.gov~~ Scott.Guilbeau@La.gov		X		X					
Walter Goodman	ACY-OJJ	Site Maint Su	Walter.Goodman@la.gov		X							
Trent Descant	M. D. Descant	G.C.	trent@mddescantconstruction.com	✓								
Phillip Mitchell	DSW Construction	G.C.	pmitchell@dswconstruction.com	✓								
Edward Payton	ARL construction Inc	GC	ARL@ARL.construction	✓								
Clay Kiper	BRC	GC	clay.kiper@brccontracting.com	✓								
Glendon Normand	Normand Cons	GC	glendonnormand@aol.com	✓								

TELE-PRO® DAVIT CRANE

Individually tested and certified at 125% W.L.L

OZTP500DAV, OZTP1200DAV, OZTP2500DAV

[PATENTED]

MADE IN USA

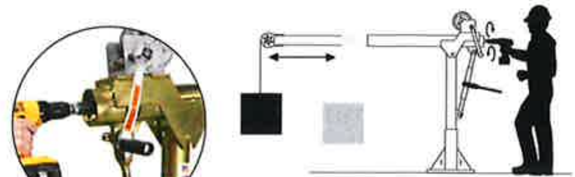
OZTP1200DAV shown with optional OZPED1-TP pedestal base and OZGAL.25-55B wire rope assembly

Bases and cable assemblies sold separately

500 lbs., 1200 lbs. and 2500 lbs. Capacity

Features

- **Telescoping boom adjustment while under load**
- Ratchet screw jack adjusts boom under load
- 360 degree rotation of crane on sleeve bearing
- DIN-Rated hand winch equipped standard with a load holding weatherproof Weston brake
- Quick connect winch handle with power drill adapter included
- Smart Latch technology at boom/mast connection
- Corrosion resistant zinc plated finish
- Headache Ball (OZHB10) available and sold separately
- Carrying case (OZRB1) available and sold separately (excludes TP2500)

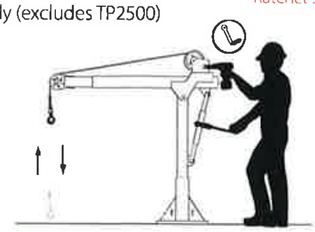


Telescoping boom can be adjusted using the winch handle or drill drive adapter

Ratchet screw jack adjusts boom under load

Weight

Weight (excluding winch)	Boom	Mast	Net
OZTP500DAV (lbs)	88	23	111
OZTP1200DAV (lbs)	102	36	138
OZTP2500DAV (lbs)	288	62	350



Detach winch handle for drill option

AC and DC power winches available

See page 25

WIRE/SYNTHETIC ROPE ASSEMBLIES (sold separately)

All cable assemblies come with swaged ball and swivel hook with latch. Custom cable length available.

Manual winch: 3/16" - 80 ft max. lift length • 1/4" - 55ft max. lift length

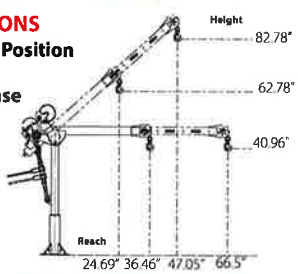
AC/DC Electric Winch: 3/16" - 90 ft max. lift length • 1/4" - 45ft max. lift length

See wire & synthetic rope assemblies on page 3

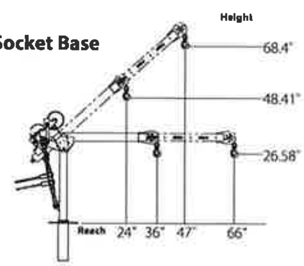
OZTP500DAV DIMENSIONS

Horizontal and 45° Boom Position

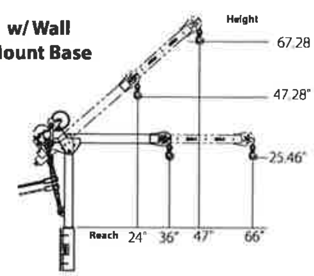
w/ Pedestal Base



w/ Socket Base

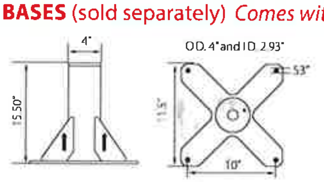


w/ Wall Mount Base

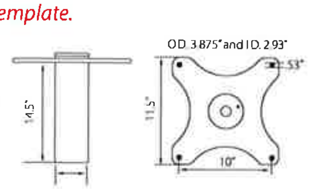


OZTP500DAV BASES (sold separately) *Comes with mounting template.*

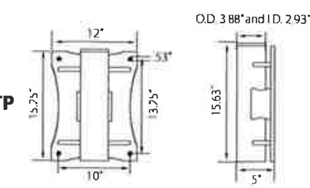
OZPED2-TP



OZSOC2-TP



OZWALL2-TP



OZTP500DAV LOAD RATINGS – Horizontal Boom Angle

– Based on 3/16 inch wire or Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 36"	500 lbs.	500 lbs.	500 lbs.
Boom Position 2 at 46"	430 lbs.	430 lbs.	430 lbs.
Boom Position 3 at 56"	350 lbs.	350 lbs.	350 lbs.
Boom Position 4 at 66"	300 lbs.	300 lbs.	300 lbs.

OZTP500DAV LOAD RATINGS – 45° Boom Angle

– Based on 3/16 inch wire or Ultrex synthetic rope

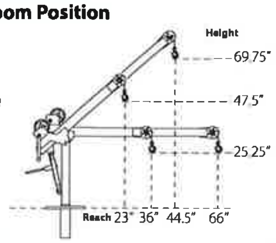
Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 23"	500 lbs.	500 lbs.	500 lbs.
Boom Position 2 at 30"	500 lbs.	500 lbs.	500 lbs.
Boom Position 3 at 37"	500 lbs.	500 lbs.	500 lbs.
Boom Position 4 at 44"	450 lbs.	450 lbs.	450 lbs.

Load ratings shown are based on a manual winch. Load ratings will vary depending on wire or synthetic rope length and diameter. Dimensions and illustrations are for reference only and subject to change without notice.

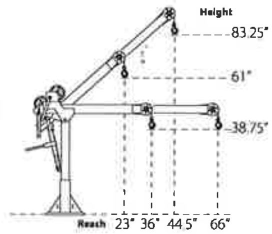
OZTP1200DAV DIMENSIONS

Horizontal and 45° Boom Position

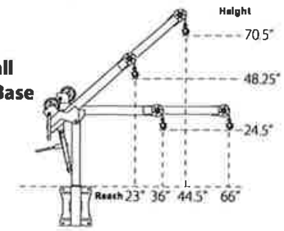
w/ Socket Base



w/ Pedestal Base

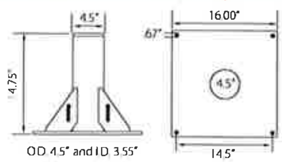


w/ Wall Mount Base

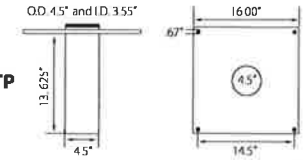


OZTP1200DAV BASES (sold separately) *Comes with mounting template.*

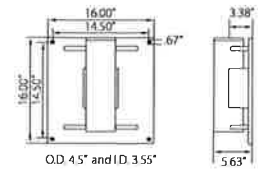
OZPED1-TP



OZSOC1-TP



OZWALL1-TP



OZTP1200DAV LOAD RATINGS – Horizontal Boom Angle

– Based on 3/16 inch wire rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 36"	800 lbs.	800 lbs.	550 lbs.
Boom Position 2 at 46"	800 lbs.	800 lbs.	550 lbs.
Boom Position 3 at 56"	750 lbs.	750 lbs.	550 lbs.
Boom Position 4 at 66"	650 lbs.	650 lbs.	550 lbs.

OZTP1200DAV LOAD RATINGS – Horizontal Boom Angle

– Based on 1/4 inch wire rope or 3/16 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 36"	1200 lbs.	875 lbs.	550 lbs.
Boom Position 2 at 46"	900 lbs.	875 lbs.	550 lbs.
Boom Position 3 at 56"	750 lbs.	750 lbs.	550 lbs.
Boom Position 4 at 66"	650 lbs.	650 lbs.	550 lbs.

OZTP1200DAV LOAD RATINGS – 45° Boom Angle

– Based on 3/16 inch wire rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 23"	800 lbs.	800 lbs.	550 lbs.
Boom Position 2 at 30.25"	800 lbs.	800 lbs.	550 lbs.
Boom Position 3 at 37.25"	800 lbs.	800 lbs.	550 lbs.
Boom Position 4 at 44.5"	800 lbs.	800 lbs.	550 lbs.

OZTP1200DAV LOAD RATINGS – 45° Boom Angle

– Based on 1/4 inch wire rope or 3/16 inch Ultrex synthetic rope

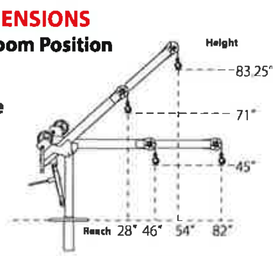
Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 23"	1200 lbs.	875 lbs.	550 lbs.
Boom Position 2 at 30.25"	1200 lbs.	875 lbs.	550 lbs.
Boom Position 3 at 37.25"	1100 lbs.	875 lbs.	550 lbs.
Boom Position 4 at 44.5"	950 lbs.	875 lbs.	550 lbs.

Load ratings shown are based on a manual winch • See page 25 for electric winch load ratings.

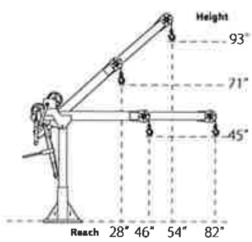
OZTP2500DAV DIMENSIONS

Horizontal and 45° Boom Position

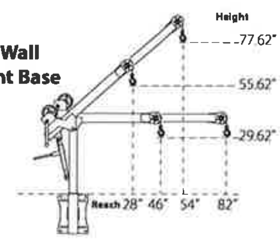
w/ Socket Base



w/ Pedestal Base

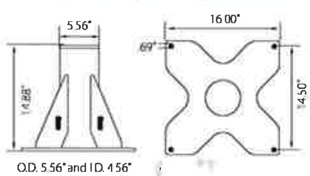


w/ Wall Mount Base

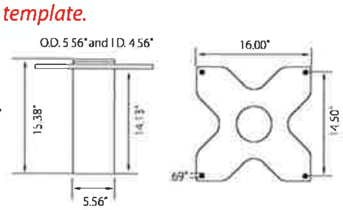


OZTP2500DAV BASES (sold separately) *Comes with mounting template.*

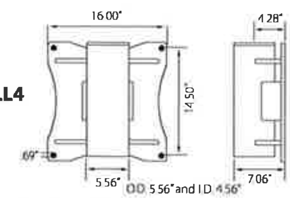
OZPED4



OZSOC4



OZWALL4



OZTP2500DAV LOAD RATINGS – Horizontal Boom Angle

– Based on 1/4 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 46"	2000 lbs.	2000 lbs.	1550 lbs.
Boom Position 2 at 58"	1900 lbs.	1900 lbs.	1550 lbs.
Boom Position 3 at 70"	1600 lbs.	1600 lbs.	1550 lbs.
Boom Position 4 at 82"	1300 lbs.	1300 lbs.	1300 lbs.

OZTP2500DAV LOAD RATINGS – Horizontal Boom Angle

– Based on 3/8 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 46"	2500 lbs.	2015 lbs.	1550 lbs.
Boom Position 2 at 58"	1900 lbs.	1900 lbs.	1550 lbs.
Boom Position 3 at 70"	1600 lbs.	1600 lbs.	1550 lbs.
Boom Position 4 at 82"	1300 lbs.	1300 lbs.	1300 lbs.

OZTP2500DAV LOAD RATINGS – 45° Boom Angle

– Based on 1/4 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 28"	2000 lbs.	2000 lbs.	1550 lbs.
Boom Position 2 at 37"	2000 lbs.	2000 lbs.	1550 lbs.
Boom Position 3 at 45.5"	2000 lbs.	2000 lbs.	1550 lbs.
Boom Position 4 at 54"	2000 lbs.	2000 lbs.	1550 lbs.

OZTP2500DAV LOAD RATINGS – 45° Boom Angle

– Based on 3/8 inch Ultrex synthetic rope

Load Ratings (lbs.)	1st. Layer	Mid Drum	Full Drum
Boom Position 1 at 28"	2500 lbs.	2015 lbs.	1550 lbs.
Boom Position 2 at 37"	2500 lbs.	2015 lbs.	1550 lbs.
Boom Position 3 at 45.5"	2500 lbs.	2015 lbs.	1550 lbs.
Boom Position 4 at 54"	2000 lbs.	2000 lbs.	1550 lbs.

Load ratings shown are based on a manual winch • Load ratings will vary depending on wire or synthetic rope length and diameter.
Dimensions and illustrations are for reference only and subject to change without notice.

WIRE/SYNTHETIC ROPE ASSEMBLIES

Steel Wire Rope (For manual winch)		
OZGAL.19-80B	3/16" x 80'	Galvanized cable assembly
OZSS.19-80B	3/16" x 80'	Stainless steel cable assembly
OZGAL.25-55B	1/4" x 55'	Galvanized cable assembly
OZSS.25-55B	1/4" x 55'	Stainless steel cable assembly

Above cable assemblies come with swaged ball and swivel hook with latch.
Custom cable length available.
3/16" - 80 ft max. length • 1/4" - 55ft max. length

Steel Wire Rope (For manual and power winch)		
OZGAL.19-90	3/16" x 90'	Galvanized cable assembly
OZSS.19-90	3/16" x 90'	Stainless Steel cable assembly
OZGAL.25-45	1/4" x 45'	Galvanized cable assembly
OZSS.25-45	1/4" x 45'	Stainless Steel cable assembly

All cable assemblies come with a swivel hook with latch.
Custom cable length available.
3/16" - 90 ft max. length • 1/4" - 45ft max. length

Synthetic Rope		
OZSR.19-15	3/16" x 15'	Ultrex Synthetic Rope
OZSR.19-50	3/16" x 50'	Ultrex Synthetic Rope
OZSR.19-90	3/16" x 90'	Ultrex Synthetic Rope
OZSR.25-50	1/4" x 50'	Ultrex Synthetic Rope
OZSR.25-75	1/4" x 75'	Ultrex Synthetic Rope
OZSR.31-55	5/16" x 55'	Ultrex Synthetic Rope
OZSR.38-45	3/8" x 45'	Ultrex Synthetic Rope

All synthetic rope assemblies come with looped ends and pre-installed swivel hook with latch

HEADACHE BALL

OZHB10

Keeps your wire rope tensioned even when lowering the hook with no load. Compatible with 3/16" and 1/4" wire rope assemblies. Headache balls sold separately from all davit cranes and wire rope assemblies.

WARNING

DAVIT CRANE COVER

OZDAV-C1

Protect your davit crane from the elements with this waterproof cover. Compatible with all OZ Lifting Products davit cranes 1200 lbs. capacity or less excluding the XR series.

COMING SOON

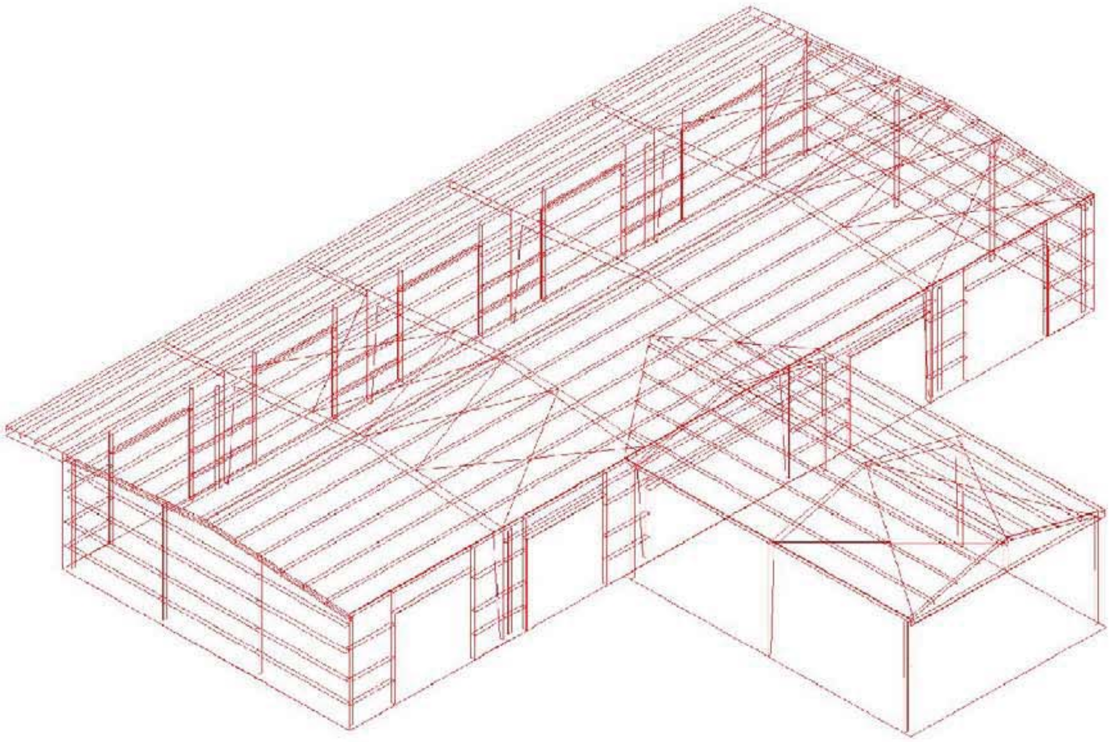
PORTABLE DAVIT BASE

For all OZ Lifting davit cranes up to 1200 lbs capacity

- Optional floor anchoring system allows the davit to rotate while under load (when base is not anchored the davit must remain in a forward position when lifting)
- Oversized casters make rolling the base and moving loads easy
- Compatible with all OZ lifting davit cranes up to 1200 lbs capacity
- Durable steel construction with powder coat finish
- Davit crane sold separately
- Patent pending

WARNING
CANCER AND REPRODUCTIVE HARM
Some products may contain chemicals known to the state of California to cause cancer or birth defects or reproductive harm.
www.P65Warnings.ca.gov

DELTA
CONSOLIDATED, LLC



METAL BUILDING GUIDE

205 Pailet Dr.
Harvey, LA 70058
504-368-5433

DELTA CONSOLIDATED, LLC
205 Pailet Dr. Harvey, LA 70058
Phone: 504-368-5433
Fax: 504-368-5436
www.deltametal.net

DELTA Consolidated, LLC respectfully request to be accepted as an approved manufacturer on the above referenced project. Attached please find our submittal package which includes the following:

- Building General Specifications
- Sample Letter of Certification
- Sample Erection Drawings with Details
- Sample Panel Warranties

If any further information is required, or if you have any questions please call Steve Salassi at 504-368-5433. Thank you for your consideration on this matter.

Sincerely,

Steve Salassi
DELTA Consolidated, LLC

205 Pailet Dr. / Harvey, LA 70058
Phone: 504-368-5433 / www.deltametal.net

Standard Metal Building Specifications

(These specifications are subject to change without notice.)

CONTENTS

SECTION 1. GENERAL

A. Scope

These specifications cover the materials and the fabrication of metal buildings designed, fabricated, and readily erected to be weather tight.

These specifications are an outline of performance to ensure that the architect, engineer, builder and/or owner understand the basis for design, manufacture and application of the entire manufacturer's metal building system.

Because of a continuing program of research and development, specifications in this manual are subject to change without notice.

B. Building Description

Gable Symmetrical is a continuous frame building with the ridge in the center of the building, consisting of tapered or straight columns and tapered or straight rafters. The sidewall girts may be continuous (by-passing the columns) or simple span (flush in the column line). The rafters may or may not have interior columns.

Gable Unsymmetrical is a continuous frame building with an off-center ridge, consisting of tapered or straight columns and tapered or straight rafters. The eave height and roof slope may differ on each side of the ridge. The sidewall girts may be continuous (by-passing the columns) or simple span (flush in the column line). The rafters may or may not have interior columns.

Single Slope is a continuous frame building, which does not contain a ridge, but consists of one continuous slope from side to side. The building consists of straight or tapered columns and tapered or straight rafters. The sidewall girts may be continuous (by-passing the columns) or simple span (flush in the column line). The rafters may or may not have interior columns.

Lean-to (LT) is a building extension, which does not contain a ridge, but consists of one continuous slope from side to side. These units usually have the same roof slope and girt design as the building to which they are attached.

All building types normally have simple span endwall girts flush in the column line.

C. Building Nomenclature

Building "Width" is measured from outside to outside of sidewall secondary structural member (girt).

Building "Eave Height" is a nominal dimension measured from the finished floor to the top flange of eave strut.

Building "Length" is measured from outside to outside of endwall secondary structural member.

Roof slope is expressed as inches of rise for each 12" of horizontal run.

D. Drawings and Certifications

Drawings: Manufacturer shall furnish complete erection drawings for the proper identification and assembly of all building components. These drawings will show anchor bolt settings, transverse cross-sections, sidewall, endwall and roof framing, flashing and sheeting, and accessory installation details.

Certifications: Standard drawings and design analysis shall bear the seal of a registered professional engineer upon request. Design analysis shall be on file and furnished by manufacturer upon request.

Bills of material shall be furnished.

SECTION 2. STRUCTURAL STEEL DESIGN

A. General

The building manufacturer shall use standards, specifications, recommendations, findings and/or interpretations of professionally recognized groups such as AISC, AISI, AAMA, AWS, ASTM, MBMA, Federal Specifications, and unpublished research by MBMA as the basis for establishing design, drafting, fabrication, and quality criteria, practices, and tolerances. For convenience, one or more sources may be referenced in a particular portion of these specifications. In all instances, however, the manufacturer's design, drafting, fabrication and quality criteria, practices and tolerances shall govern, unless specifically countermanded by the contract documents. Structural mill sections or welded up plate sections will generally be designed in accordance with the 9th edition of AISC's "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings", ASD method.

Cold-Formed steel structural members will generally be designed in accordance with the latest edition of AISC's "Specifications for the Design of Cold-Formed Steel Structural Members".

B. Design Loads

Design loads shall be as specified and set forth in the contract, and shall be in accordance with the manufacturer's standard design practices. Design loads may include dead load, roof live loads, wind loads, seismic loads, collateral loads, auxiliary equipment loads, and/or other applied or specified loads.

Wind Loads – the loads on a structure induced by the forces of wind blowing from any horizontal direction.

Roof Live Loads – loads produced by maintenance activities, rain, erection activities, and other movable or moving loads but not including, wind, snow, seismic, crane or dead loads.

Dead Load – the actual weight of the building system supported a given member.

Collateral Loads – the weight of any non-moving equipment or material, such as ceilings, electrical or mechanical equipment, sprinkler systems, plumbing, or ceilings.

Roof Snow Loads – gravity load induced by the weight of snow or ice on the roof, assumed to act on the horizontal projection of the roof.

Auxiliary Loads – dynamic loads induced by cranes, conveyors, or other material handling systems.

Seismic Loads – Loads acting in any direction on a structural system due to the action of an earthquake.

Floor Live Loads – loads induced on a floor system by occupants of a building and their furniture, equipment, etc.

SECTION 3. TRADITIONALMETAL BUILDING SYSTEMS BASIC MATERIAL SPECIFICATIONS

A. Primary Framing Steel

Steel for hot rolled shapes shall conform to the requirements of ASTM Specifications A-36, A572 or A992, with a minimum yield of 36 or 50 ksi.

Steel for built-up sections shall generally conform to the physical requirements of ASTM A1011, A1018 and A572 as applicable, with a minimum yield of 50 or 55 ksi as indicated by the design requirements.

Steel for endwall "C" sections shall generally conform to the physical requirements of ASTM A1011 Grade 55.

B. Secondary Framing Steel

Steel used to form purlins, girts, and eave struts shall meet the requirements of ASTM A1011 Grade 55.

C. Roof and Wall Panel Material

Panel material as specified shall be 26 gauge or 24 gauge acrylic coated Galvalume, pre-painted Galvalume or Galvanized as manufactured conforming to the requirements of ASTM A792 Grade 80 or Grade 50. Minimum yield stress shall be 80 ksi for Grade 80 and 50 ksi for Grade 50. See Section 4 for additional material used.

D. Structural Framing

All framing members shall be shop fabricated for field bolted assembly. The surfaces of the bolted connections shall be smooth and free from burrs and distortions.

Certification of welder qualifications will be furnished when required and specified in advance,

All Framing members, where necessary, shall carry an identifying mark.

E. Primary Framing

Rigid Frame: All rigid frames shall be welded built--rolled sections. The columns and the rafters may be either uniform depth or tapered. Flanges shall be connected to webs by means of a continuous fillet weld on one side.

Endwall Frames: All endwall roof beams and endwall columns shall be cold--rolled sections, or built

Plates, Stiffeners, etc.: All base plates splice plates, cap plates and stiffeners shall be factory welded into place on the structural members.

Bolt Holes, etc.: All base plates splice and flanges shall be shop fabricated to include bolt connection holes. Webs shall be shop fabricated to include bracing holes.

Connections for secondary structural (purlins and girts) shall be ordinary bolted connections, which may include welded clips.

All welding inspection shall be by the manufacturer in accordance with AWS and IAS MB-188 Accreditation Standards.

F. Secondary Framing

Purlins and Girts: Purlins and girts shall be cold-be sized to comply with the requirements of the latest edition of AISI. Purlin and girt flanges shall be unequal in width to allow for easier nesting during erection. They shall be pre-punched at the factory to provide for field bolting to the rigid frames. They shall be simple or continuous span as required by design. Connection bolts will install through the purlin webs, not purlin flanges.

Eave Struts: Eave Struts shall be unequal flange cold-formed “C” sections.

Base Member: Shall be angle, channel, or formed sill attached to the perimeter of the slab. This member shall be secured to the concrete slab with ram-sets, expansions bolts, or equivalent anchors as shown on the drawings.

G. Bracing

Diagonal Bracing: Diagonal bracing in the roof and sideways shall be used to resist longitudinal loads (wind, crane, seismic, etc.) in the structure. This bracing will be furnished to length and equipped with hillside washers and nuts at each end. It may consist of rods threaded each end or galvanized cable with suitable threaded end anchors. If load requirements so dictate, bracing may be of structural angle and/or pipe, bolted in place.

Flange Braces: The compression flange of all primary framing shall be braced laterally with angles connecting to the webs of purlins or girts so that the flange compressive stress is within allowable limits by any combination of loading.

Special Bracing: When diagonal bracing is not permitted in the sidewall, a rigid frame type portal or fixed base columns will be used. Wind bracing in the roof and/or walls need not be furnished where it can be shown that the diaphragm strength of the roof and/or wall covering is adequate to resist the applied wind forces.

H. Roof and Wall Covering

Roof panels shall be “PBR” or standing seam. “PBR” panels shall have an extended purlin bearing leg. For Standing Seam panel see Section 4.2.

Wall panels may be any of the following: “PBR”, “PBU” and “PBA” all of which shall have an extended bearing leg, or profile. Panel profile “PBA” is considered an Architectural panel.

Additional Architectural panel profiles are available on a per project basis from DELTA approved vendors.

SECTION 4. ROOF AND WALLCOVERING

A. General

Standing Seam Roof Panels – see Section 4.B.

“PBR” Panel shall have major ribs 1 ¼” high spaced 12” on center. In the flat area between the major ribs are two smaller minor ribs. Each panel shall provide 36” net coverage in width. All side laps shall be at least on major rib.

“PBU” wall panel shall have ribs ¾” high spaced 6” on center. Each panel shall provide 36” net coverage in width. All side laps shall be at least one rib.

Architectural (“PBA”) wall panel shall have a configuration consisting of ribs 1 1/8” deep. Major corrugations shall be spaced 12” on center. Panel design produces a decorative smooth shadow line with semi-concealed fasteners. Architectural panels shall provide a 36” net coverage in width. All side laps shall be at least one major rib.

Panel Length: All wall panels shall be continuous from sill to roof line and all roof panels shall be continuous from eave to ridge except where lengths become prohibitive for handling purposes. All end laps shall be at least 6” on roof and 4” on walls.

Endwall Edge Cuts: All endwall panels for buildings with 1:12 or less roof slope shall be square cut. All endwall panels for buildings with more than 1:12 roof slope shall be bevel cut by the erector in the field.

B. Standing Seam Roof Panel Types

TS-324 – Standing Seam Panel

A. Standing Seam Roof Panels shall be UL-90 rated; roll-formed, 24 or 22 gauge acrylic coated Galvalume or pre-painted Galvalume. Galvalume sheet shall have a minimum yield of 50 ksi and conform to ASTM 792-99a. Pre-painted finish shall be a premium Fluoropon coating produced with either Kynar 500 or Hylar 5000 resins and have a full 25 year warranty. Acrylic coating eliminates the need for roll-forming oil and reduces the incidence of field marking by handling or foot traffic.

B. Panels shall be 24” wide with 3 minor ribs in between seams. Panel seam shall be 3” high.

C. One side of the panel shall be female in configuration, which will have factory applied mastic (see Sealants and Closures) inside the female seam. The female side will nest over the male side. TS-324 Standing Seam, the male and female seams will be continuously locked together by an electrically powered mechanical seamer, forming a 360-degree Pittsburgh Seam.

D. The panels shall be factory notched at both ends so that field installation can commence or terminate from either end of the building. Panels cannot start at both ends of the building and work towards each other.

E. Maximum panel length shall be 45’-0” unless otherwise notes on the purchase order.

F. Endlaps

Endlaps shall have a 16 gauge backup plate. The panel shall have the four end lap j joint fasteners installed in four pre-punched holes in the flat.

Mastic (see Sealants and Closures) shall be applied between the panels and secured with ¼” -#14 x 1 ¼” self-drilling fasteners through the panels, and backup plate to form a compression joint.

Endlaps and eaves shall be the only places in the roof system where through the roof fasteners can be used inside the building envelope.

G. Fasteners

Eave – ¼” -#14 x 1 ¼” long life self-drilling with sealing washer.

Endlaps – ¼” -#17 – 14 x 1 long life self-tapping with sealing washer.

Ridge -#14 x 7/8” Lap Tek long life self-drilling with sealing washer.

Clips/to purlin – ¼” -#14 x 1 ” Tek 3 long life self-drilling with Hex Washer Head and 5/8” O.D. washer.

Clips/floating to bar joists -#12-24 x 1 ¼”Tek 4.5 self-drilling with Washer Head and 5/8” O.D. washer.

Long Life fasteners, where exposed, are standard when using an acrylic coated Galvalume roof panel.

H. Clips

All clips shall have factory-applied mastic and be designed so that movement between the panel and the clip does not occur.

TS-324 Low fixed clips – shall be 3 3/8" in height providing a 3/8" clearance for insulation between the panel and the purlin or joist.

TS-324 High fixed clips height to accommodate a thermal spacer for added insulation at the purlins.

TS-324 Low or High floating clips -shall be either 3 3/8" or 4 3/8" in height. Floating clips shall provide a minimum of 2" travel to allow for expansion and contraction

I. Sealants and Closures

Factory applied sealant used in panel sidelaps shall be a hot melt, foamable mastic – Q41A.

Field applied sealant used at the endlaps, eave, ridge assembly, and gable flashings shall be 100% solids butyl-based elastomeric tape sealant, furnished in roll form or precut to length. See installation manual for application.

Outside closures shall be manufactured from the same materials as the roof panels.

Inside closures shall be 22 gauge Galvalume or galvanized coated metal.

VS-216 Architectural Roof System

A. Standing Seam Roof Panels shall be UL-90 rated; roll-formed, 24 or 22 gauge acrylic coated Galvalume or pre-painted Galvalume. Galvalume sheet shall have a minimum yield of 50 ksi and conform to ASTM 792-99a. Pre-painted finish shall be a premium Fluoropon coating produced with either Kynar 500 or Hylar 5000 resins and have a full 25 year warranty. Acrylic coating eliminates the need for roll-forming oil and reduces the incidence of field marking by handling or foot traffic.

B. Panels shall be 16" wide with 3 minor ribs in between seams. Panel seam shall be 2" high.

C. One side of the panel shall be female in configuration, which will have factory applied mastic (see Sealants and Closures) inside the female seam. The female side will nest over the male side. VS-216 Standing Seam, the male and female seams will be continuously locked together by an electrically powered mechanical seamer, forming a 360-degree Pittsburgh Seam.

D. The panels shall be factory notched at both ends so that field installation can commence or terminate from either end of the building. Panels cannot start at both ends of the building and work towards each other.

E. Maximum panel length shall be 45'-0" unless otherwise notes on the purchase order.

F. Endlaps

Endlaps shall have a 16 gauge backup plate. The panel shall have the four end lap joint fasteners installed in four pre-punched holes in the flat.

Mastic (see Sealants and Closures) shall be applied between the panels and secured with ¼” -#14 x 1 ¼” self-drilling fasteners through the panels, and backup plate to form a compression joint.

Endlaps and eaves shall be the only places in the roof system where through the roof fasteners can be used inside the building envelope.

G. Fasteners

Eave – ¼” -#14 x 1 ¼” long life self-drilling with sealing washer.

Endlaps – ¼” -#17 – 14 x 1 long life self-tapping with sealing washer.

Ridge -#14 x 7/8” Lap Teck long life self-drilling with sealing washer.

Clips/to purlin – ¼” -#14 x 1 ” Tek 3 long life self-drilling with Hex Washer Head and 5/8” O.D. washer.

Clips/floating to bar joists -#12-24 x 1 ¼”Tek 4.5 self-drilling with Washer Head and 5/8” O.D. washer.

Long Life fasteners, where exposed, are standard when using an acrylic coated Galvalume roof panel.

H. Clips

All clips shall have factory-applied mastic and be designed so that movement between

the panel and the clip does not occur.

VS-216 Low fixed clips – shall be 2 3/8” in height providing a 3/8” clearance for insulation between the panel and the purlin or joist.

VS-216 High fixed clips – shall be 3 3/8” in height to accommodate a thermal spacer for added insulation at the purlins.

VS-216 Low or High floating clips -shall be either 2 3/8” or 3 3/8” in height. Floating clips shall provide a minimum of 2” travel to allow for expansion and contraction.

I. Sealants and Closures

Factory applied sealant used in panel sidelaps shall be a hot melt, foamable mastic – Q41A.

Field applied sealant used at the endlaps, eave, ridge assembly, and gable flashings shall be 100% solids butyl-based elastomeric tape sealant, furnished in roll form or precut to length. See installation manual for application.

Outside closures shall be manufactured from the same materials as the roof panels.

Inside closures shall be 22 gauge Galvalume or galvanized coated metal.

SECTION 5. MISCELLANEOUS MATERIAL SPECIFICATIONS

A. Fasteners

Structural Bolts: All bolts used in connections of secondary framing to primary framing shall be zinc plated ASTM A307 or ASTM A325 as required by design.

Fasteners for Roof Panels: All panels shall be attached to the secondary framing members by means of:

Option #1: Self-drilling structural screws for roofs shall be carbon steel #12-14 x 1 ¼" Hex Washer Head, cadmium or zinc plated, with or without painted head, assembled with EPDM washer. These fasteners are applicable for use with fiberglass blanket insulation from 1" to 3" thick.

Option #2: Self-drilling structural screws shall be carbon steel #12-14 x 1 ½" Hex Washer Head, cadmium or zinc plated, with or without painted head, assembled with EPDM washer. These fasteners are applicable for use with fiberglass blanket insulation from 3 ½" to 6" thick.

Option #3: Self-tapping screws shall be #14 x ¾" type "A" or "AB", zinc plated, painted or plain head assembled with a bonded or separate EPDM washer. These fasteners are applicable for use with fiberglass blanket insulation from 1" to 3" thick. Longer lengths are available. Pre-drilling is required.

Option #4: Optional Long Life fastener, in either self-tapping or self-drilling fasteners. Recommended when using acrylic coated Galvalume panels.

Fasteners for Roof Panel Sidelaps are as follows:

Option #1: Self-drilling -#14 x 7/8” Laptek zinc plated, painted or plain head assembled with sealing washer.

Option #2: Above fasteners in a Long Life finish, either in self-drilling or self-tapping. Corrosion resistant head with a long life extended warranty. These fasteners are recommended when using acrylic coated Galvalume panels.

Option #3: Self-tapping -#14 x ¾” type “A” or “AB” zinc plated, painted head assembled with sealing washer.

Fasteners for the Standing Seam Roof Panels and Clips: See Sections 4.1.G. and 4.2.G

Fasteners for Wall Panels: All “PBR”, “PBA” and “PBU” panels shall be attached to the secondary framing members by means of:

Option #1: Self-drilling fasteners of carbon steel #12 x 1 ¼” without washers as herein described for fiberglass insulation up to 3” thick and #12 x 1 1/2” for fiberglass insulation 3” to 6” thick.

Option #2: Corrosion resistant type Long Life fasteners with sealing washers, either self-tapping or self-drilling, as herein described.

Option #3: Self-tapping #14 x ¾” carbon steel fasteners are herein described. These fasteners are applicable with fiberglass insulation up to 3” thick. #14 x 1 ½” fasteners are required for 3” to 6” thick insulation. Pre-drilling is required.

Fasteners for Wall Panel Sidelaps:

Option #1: Self-drilling -#14 x 7/8” carbon steel screws as herein described.

Option #2: Corrosion resistant type Long Life fasteners with sealing washers, either self-drilling or self-tapping, as herein described.

Option #3: Self-taping -#14 x ¾” carbon steel screws as herein described. Pre-drilling is required.

Blind Rivets: All blind rivets shall be 1/8” diameter, high strength stainless steel pull rivet Type ADH.

B. Sealants and Closures

Closure Strips: The corrugations of the roof and wall panels shall be filled with closures along the eave, ridge, rake or base when required for weather tightness. Closures must be ordered separately.

Standing Seam Roof Closures: See Sections 4.1.I and 4.2.I.

Sealants: Roof panels shall be sealed with 3/32” x 3/8” wide tape sealant. The material shall be a Butyl base elastic compound with a minimum solid content of 99%, Schnee-Moorhead #522 or equal. The sealant shall have good adhesion to metal and be non-staining, non-corrosive, non-shrinking, non-oxidizing, non-toxic, and non-volatile. The service temperature shall be from -60°F to +300°F. Optional 3/32” x 1” tape is available.

Standing Seam Sealant: See Section 4.1.I and 4.2.I.

Caulk: All gutter and downspout joints, rake flashing laps, ridge flashing laps, door, windows, and louvers shall be sealed with white, burnished slate, or gray pigmented caulk of Butyl rubber base, or clear silicone.

C. Gutter, Flashing and Downspouts

Gutters and Flashing: All standard exterior gutters are 26 gauge steel with a painted finish in standard colors. Standard rake flashing is 26 gauge steel with painted finish in standard colors.

Downspouts: All downspouts shall be 26 gauge, rectangular in shape, steel with painted finish in standard colors.

Gutters and downspouts shall be sized according to ordinary industry practices to handle rainwater. Special provisions for rainwater over flow, icing, and blocked downspout should be considered by the builder and owner.

D. Flashing and Trim

Flashing at the rake (parallel to roof panels) and high eave shall not compromise the integrity of the roof system by constricting movement due to thermal expansion and contraction.

All flashing shall be manufactured from Grade 50 acrylic coated Galvalume or pre-painted steel.

E. Painting

Structural Painting

All uncoated structural steel shall be cleaned of all foreign matter and loose scale in accordance with SSPC-SP2 and given a one mil coat of red oxide primer. Primer shall be applied by the use of airless handguns. Primer generally meets or exceeds the performance of requirements of Federal Specification TT-P636D.

Light gauge “Z” and “C” section steel members shall be shot blasted and pre-coated with one coat of red oxide primer. Some hand sprayed shop touch-up may be employed.

Abrasions caused by handling after painting is to be expected. Primer shall be furnished to touch-up or field painting as specified in the contract documents.

F. Painted Steel Panels

Base metal shall be nominal 26, 24, or 22 gauge Galvalume steel or Galvanized.

Prime Coat: The base metal shall be pre-treated and then primed with an epoxy type primer for superior adhesion and superior resistance to corrosion.

Oil canning is an aesthetic issue. Normally, structural integrity is not affected; however, it must be reviewed if the distortion is extreme. Such distortion might indicate movement within the primary structure or distress connections within the panel system. Since many uncontrollable factors are involved, no manufacturer can realistically assure the total elimination of oil canning. With careful attention to the production and selection of material, to panel design, and to installation practice, oil canning can be effectively minimized.

SECTION 6. ACCESSORIES

A. Windows

Standard (AHS) Windows shall be horizontal side units, 3’-0” x 3’-0”. 4’-0” x 3’-0”, 4’-0” x 4’-0”, 6’-0” x 3’0”. Extruded aluminum frames shall be 6063-T5 alloy and temper. Finish shall be polished aluminum (mill finish) or optional bronze finish. Glazing will be DSB or optional 7/16” thick hermetically sealed glass. Glass shall be clear or bronze and may be insulated as an option. They shall be furnished complete with hardware, and half screen. Windows shall be self-flashing to wall panels. They shall be certified by Architectural Aluminum Manufacturers Association for performance requires of ANSI/AAMA 101-93.

Slim-Line (SL) windows are 2’-0” wide x 7’-0” high with a bronze frame finish. These windows are self-framing to the wall panel. Slim-Line windows shall have tempered gray glass.

B. Personnel Doors

Standard personnel doors shall be 3’-0”, 4’-0”, and 6’-0” wide x 7’-0” high x 1 ¾” manufactured from 20 gauge galvanized steel. Doors shall have square edges for non-handed installation. Doors shall have an embossed finish with a white or bronze prime coat. Doors shall be flush and have vertical mechanical interlocking seams on both hinge and lock edges. Doors shall be provided with top and bottom inverted 16 gauge galvanized steel channels spot-welded with the door. Doors shall be reinforced, stiffened, and sound deadened with resin impregnated draft fiber honeycomb core with a nominal 1” cell size. Honeycomb core shall completely fill the inside faces of the door and be laminated to the inside faces of the panels by means of moisture resistant, contact type adhesive. Doors shall be reinforced for applicable hardware. Doors shall be solid, half glass, or side vision (narrow lite). All glazing shall be done in the field. Glass is not provided by Manufacturer

Door frames shall be 16 gauge, galvanized steel, pre-painted white. Door jambs shall be constructed for non-handed installation. Door frames shall have optional head and jamb flashing and optional weather strip. Door frames shall be provided with 1-1/2 pair of 4-1/2” x 4-1/2” hinges and reversible ANSI strike plate. Doors and frames shall be reinforced with 7 gauge hinge reinforcements.

Standard Cylindrical lever locksets (levers both sides) shall meet ANSI #A156.2, Series 4000, Grade 2. The lockset selected by owner should be chosen in accordance with all current federal, state, and local laws for the type of access required and the nature of use of the building.

Door threshold shall be aluminum, supplied with flat head fasteners and expansion shields for attachment to masonry floor.

C. Overhead Door Framing

Overhead door support framing shall be designed to resist applicable wind loads and shall consist of channel jambs with a structural header at the top of the opening. Twenty-six (26) gauge galvanized steel flashings, color coordinated, will be provided to conceal panel edges around the opening.

D. Gravity Ridge Ventilators

Gravity ridge ventilators shall be manufactured from galvanized steel and painted white. The ventilator body shall be 26 gauge and the skirt shall match the roof slope. Chain operated damper will be furnished when specified. Ventilators shall be equipped with standard bird screens and riveted end caps

.

E. Louvers

Heavy Duty Louver frames shall be 18 gauge, galvanized steel frame, painted with 20 gauge blades. Heavy Duty louvers shall be self-framing and self-flashing. They shall be equipped with adjustable or fixed blades as specified.

F. Light Transmitting Panels

High Strength Light Transmitting Panels are acrylic resin and Acrylic gelcoat with fiberglass reinforcement or acrylic modified polyester.

Type 1, structural (general purpose) conforming to commercial standard ASTM D3841 or:

Type 2, having a burn rate of 2-1/2” per minute or less, when tested in accordance with ASTM D635. Type 2 panels are offered in acrylic modified polyester only.

High Strength translucent panels match standard profiles, are 1/16” thick, weigh 8 ounces per square foot, and are white with smooth top surface.

Insulated translucent panels are available in Type 1, “R” panel and Standing Seam panel profiles only.

G. Insulation

Fiberglass Blanket Insulation shall have a density of 0.75 pcf and shall be available in 3” and 4” and 6” thickness. (Other insulation systems are available with thickness up to 8”).

Fiberglass insulation facings shall be laminated on one side with vinyl, vinyl scrim foil, or foil scrim kraft facing.

Rigid Foam Thermal Blocks are cut from high density extruded polystyrene board stock, having a UL 25 flame spread rating.

SECTION 7. ERECTION AND INSTALLATION

A. Erection and Installation

A qualified erector, using proper tools and equipment shall perform the erection of the metal building components. Erector shall follow good, sound, safe procedures and guidelines in accordance with any applicable federal, state or local laws.

Erection of the roof system shall be in complete accordance with the Manufacturer’s Safety and Erection Manual. Any deviation from this manual could result in damage to the roof system or building structure, for which Manufacturer will not be liable for repair or replacement.

Should the erector need building component weights, these shall be supplied by the manufacturer upon request.

SECTION 8. BUILDING ANCHORAGE AND FOUNDATIONS

A. Building Anchorage and Foundations

The building anchor bolts shall be designed to resist the maximum column reactions resulting from the specified combinations of loadings. The manufacturer shall specify the minimum diameter, spacing and projections required to transfer the loads from the column to the anchor bolts. Anchor bolts will be supplied by the contractor and NOT by the manufacturer. Anchor bolt quantity at each base plate shall be in compliance with OSHA Subpart R regulations.

Foundations shall be adequately designed by a qualified foundation engineer to support the building reactions and other loads that may be imposed by the building use. The design shall be based on the specific soil conditions of the building site. The foundation engineer shall be retained by other than the manufacturer. The manufacturer assumes no responsibility for the integrity of the foundation. The foundation engineer shall be responsible for the transfer of reactions from the anchor bolts to the foundations.

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ACRYLIC GALVALUME® FINISH LIMITED WARRANTY

DELTA Consolidated, LLC, extends this limited warranty to the buyer listed in the signatory below and warrants that its goods, identified as acrylic-coated GALVALUME® (a.k.a. GALVALUME PLUS®, ACRYLUME®, or ZINCALUME®, among others) with a coating weight of AZ55 used for exterior building panels and trim, will perform as follows:

WORKMANSHIP

All fabricated steel components are warranted only against failure due to defective material or workmanship for a period of one year from the date of shipment.

COVERAGE

This warranty applies to Goods used on architectural, commercial, pre-engineered or residential metal buildings, which are installed in the continental United States. The term of coverage for this limited warranty shall be for a period of twenty-five (25) years after goods shipment from DELTA. Acrylic-coated GALVALUME®, when exposed to normal atmospheric conditions, will not, as a result of corrosion, fail structurally, perforate or rupture within the term of coverage, subject to the following exceptions and provisions:

EXCEPTIONS

This limited warranty DOES NOT APPLY to Goods exposed at any time to corrosive, aggressive, harmful or other abnormal atmospheric conditions, including, but not limited to, the conditions present in the following areas or circumstances:

1. Areas subject to salt-water marine atmospheres or to repeated spraying of salt or fresh water, stored or installed in an environment that includes a high degree of humidity, sand, dirt, or grease, whether naturally occurring or caused by man.
2. Goods installed within 1,500 feet of a salt-water or other marine environment.
3. Areas subject to fallout of, or exposure to, aggressive conditions such as airborne abrasives, corrosive chemicals, ash fumes, cement dust, or contact with animals and/or animal waste or its decomposition products, wet cement or mortar, green or wet lumber, carbon black, salts or other chemicals, any acidic compounds carried by air or water including, but not limited to acid rain, whether naturally occurring or caused by man.
4. Areas subject to water run-off from lead or copper flashings, or to areas in metallic contact with lead or copper or installed in areas which are subject to fallout from copper, lead, nickel or silver mining or refining operations.
5. The attachment of components, such as curbs, vents, gutters, flashings signs, fascias, skylights, walkways, guy wires, windows, doors or other such materials, accessories or machinery, the attachment of which is not made known to and approved by DELTA in writing prior to installation.
6. Circumstances where corrosive fumes or condensates are generated or released inside the building.
7. Normal wear and tear, misuse or any other case beyond the control of DELTA.

This limited warranty DOES NOT APPLY in the event of:

I. Goods which have suffered scratching or abrasion or impact by a hard object or improper scouring or cleaning procedures; have been abused, altered, modified, used in a manner not originally intended or stored contrary to DELTA instructions or in accordance with goods industry practice; is damaged or stained due to moisture entrapment in bundles/packages during transit or storage; are stored or installed in an area, or in such a way, that damage can occur due to poor air circulation; have suffered any damage caused by acts of God, radiation, falling objects, explosion, fire, riots, civil commotions, acts of war or other external forces;

2. Goods which suffer from severe crazing from radial bending (hems), cut edge exposure or edge creep.
3. Goods which have suffered discoloration or corrosion from the rusting of embedded or topical steel shavings which were not properly removed during the erection process: improper insulation installation allowing moisture to remain in contact with Goods; Goods in direct contact with concrete foundation, grease or wet lumber, wet or damp insulation.
4. Goods which have been damaged by outside sources, improper installation, improper storage or handling, misuse or abuse, or lack of proper maintenance.
5. Deterioration of the panels caused directly or indirectly by contact with fasteners. Selection and specification of suitable long-life fasteners to be used with Goods rests solely with the Buyer.
6. Non-vertical slopes of roof or sections on the roof flatter than 1/4: 12 or any other circumstances that cause improper drainage or the holding of water, including internal condensation from overlaps and all other surfaces of the Goods.

This limited warranty applies only to the GALVALUME® metallic coating and does not cover the clear acrylic coating.

CLAIM PROCEDURE

Any claim under this limited warranty shall be made to DELTA, in writing, within thirty (30) days after (a) discovery of suspected defective Goods, or (b) the time a reasonable person should have discovered the defective Goods, whichever is sooner, or the Claim shall be waived. Additionally, any Claim shall include (a) a copy of this, properly executed, warranty, and (b) a video and/or photographs of the claimed defective Goods. DELTA shall be given a prompt and reasonable opportunity to inspect the installation and investigate the claim validity and, if necessary, coordinate a joint job site inspection with its supplier's representatives or the Goods claimed to be defective. It is Buyer's responsibility to demonstrate, to DELTA and DELTA's supplier's satisfaction, that any claimed defect was due to a breach of this limited warranty.

REMEDY

Remedy shall be by either Goods replacement or Goods refinishing of the defective portion of the field installation only, in accordance with standard industry practice, F.O.B. Buyer's job site. Buyer acknowledges that this limited warranty is derived from the limited warranty issued by DELTA's supplier to DELTA, which DELTA is passing on to Buyer. Accordingly, any remedy is subject to DELTA's supplier's decision to accept the Claim and the authorization and choice of remedy for any accepted Claim shall rest solely with DELTA's supplier. In no event shall the Buyer be eligible to receive greater remedy from DELTA than the remedy DELTA receives from its supplier. Any unauthorized efforts by Buyer to remedy the alleged defective Goods shall void this warranty. DELTA and the customer agree that any and all controversy as to this warranty or any matters relating thereto shall be decided in accordance with the laws of the State of Louisiana and the laws of the United States of America.

ADDITIONAL WARRANTY LIMITATIONS

THIS LIMITED WARRANTY SUPERCEEDS AND IS EXPRESSLY PROVIDED IN PLACE OF ANY AND ALL OTHER WARRANTIES REGARDING THE GOODS, WHETHER EXPRESS, STATUTORY OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, BOTH OF WHICH ARE HEREBY EXPRESSLY DISCLAIMED BY BUYER.

DELTA SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES WHATSOEVER. The remedies set forth herein are exclusive.

Any portion of Goods replaced or refinished pursuant to this limited warranty shall be deemed to have been coated on the date of the original installation and the duration of this warranty shall not be extended beyond that of the original factory-applied finish. Buyer shall exercise diligence in inspection of Goods which are used and contain finish defects discernible by reasonable inspection.

This limited warranty applies only when specifically requested by the Buyer in writing. It shall not apply to painted finish metal used for a purpose other than exterior building panels and trim or to orders not designated in writing by the Buyer as limited warranty orders.

DELTA extends this limited warranty solely to the Buyer. This limited warranty is transferable and/or assignable exclusively to the original occupant/end user/owner of the building and is not transferable or assignable to any subsequent occupant. This limited warranty does not apply to any failure or defect that occurs after the sale or transfer of a building by the building's original owner.

BUYER: ______________________________ ORIGINAL OCCUPANT/END USER: ______________________________

By: ______________________________ NAME/ COMPANY: ______________________________

TITLE: ______________________________ BUILDING LOCATION – EXACT STREET ADDRESS:

DELTA ODRER #: ______________________________ STREET: ______________________________

DATE SHIPPED: ______________________________ CITY: ______________________________

ERECTION COMPLETION DATE: ______________ STATE / ZIP: ______________________________

DATE SIGNED: ______________________________

DELTA CONSOLIDATED, LLC

BY: ______________________________ TITLE: ______________________________

DATE: ______________________________

THIS LIMITED WARRANTY IS NOT IN FORCE UNTIL RECEIPT OF THE FULLY-EXECUTED COPY HAS BEEN ACKNOWLEDGED BY DELTA.

WARRANTY SERVICE

To request Warranty Service, notify DELTA @

DELTA Consolidated, LLC
205 Pailet Dr.
Harvey, LA 70058
504-368-5433

Please include the following information:

a) A photo copy of the warranty
b) Description of the problem(s)
c) Photographs which show the problem(s)
d) Contact information
e) Date of installation

DELTA CONSOLIDATED, LLC
205 Pailet Dr. Harvey, LA 70058
Phone: 504-368-5433
Fax: 504-368-5436
www.deltametal.net

SILICONIZED MODIFIED POLYESTER PAINT FINISH WARRANTY

DELTA Consolidated, LLC, extends this limited warranty to the buyer listed in the signatory below and warrants that its goods, identified as Siliconized Modified Polyester (a.k.a. SMP Colors) colors used for exterior building panels and trim, when applied over prime quality GALVALUME® or Hot-Dipped G90 Galvanized coated steel, will perform as follows:

WORKMANSHIP

All fabricated steel components are warranted only against failure due to defective material or workmanship for a period of one year from the date of shipment.

COVERAGE

Although it is recognized and acknowledged buy DELTA and the Buyer assigned this warranty that most coatings, including the aforementioned, will fade and change in appearance to some degree over a period of time in outdoor installations, and that such changes may be uniform between surfaces not equally exposed. DELTA warrants that the Goods covered by this warranty will resist natural weathering only to the extent that they will conform to the performance standards listed below during the Forty (40) years after shipment for film integrity and a period of Forty (40) years after shipment for both chalking and color change, provided that all conditions of this warranty are first met. Provisions (1) though (3) below apply to building installed north of the 15^{o} parallel of latitude in the northern hemisphere. Only provision (1) applies to buildings installed south of this latitude:

I. WILL NOT crack, check or peel (lose adhesion) for 40 years, but this does not include minute fracturing, which may occur in proper fabrication of the building parts.

<u>SIDEWALL PANELS [for 40 years from installation]</u>

a. WILL NOT chalk in excess of ASTM D-4214 method A number eight (8) rating.
b. WILL NOT change ,color more than five (5.0) Hunter Δ F, units as determined by ASTM method D-2244.
Color change shall be measured on an exposed painted surface that has been cleaned of surface soils and chalk, and the corresponding values measured on the original or unexposed painted surface. It is understood that fading or color changes may not be uniform if the surfaces are not equally exposed to the sun and elements.

<u>ROOFING PANELS [for 40 years from installation]</u>

a. WILL NOT chalk in excess of ASTM D-4214 method A number six (6) rating.
b. WILL NOT change color more than seven (7.0) Hunter Δ E, units as determined by ASTM method D-2244.
Color change shall be measured on an exposed painted surface that has been cleaned of surface soils and chalk, and the corresponding values measured on the original or unexposed painted surface. It is understood that fading or color changes may not be uniform if the surfaces are not equally exposed to the sun and elements.

EXCEPTIONS

This limited warranty DOES NOT APPLY to Goods exposed at any time to corrosive, aggressive, harmful or other abnormal atmospheric conditions, including, but not limited to, the conditions present in the following areas or circumstances:

1. Areas subject to salt-water marine atmospheres or to repeated spraying of salt or fresh water, stored or installed in an environment that includes a high degree of humidity, sand, dirt, or grease, whether naturally occurring or caused by man.
2. Goods installed within 1,500 feet of a salt-water or other marine environment.
3. Areas subject to fallout of, or exposure to, aggressive conditions such as airborne abrasives, corrosive chemicals, ash fumes, cement dust, or contact with animals and/or animal waste or its decomposition products, wet cement or mortar, green or wet lumber, carbon black, salts or other chemicals, any acidic compounds carried by air or water including, but not limited to acid rain, whether naturally occurring or caused by man.
4. Areas subject to water run-off from lead or copper flashings, or to areas in metallic contact with lead or copper or installed in areas which are subject to fallout from copper, lead, nickel or silver mining or refining operations.
5. The attachment of components, such as curbs, vents, gutters, flashings signs, fascias, skylights, walkways, guy wires, windows, doors or other such materials, accessories or machinery, the attachment of which is not made known to and approved by DELTA in writing prior to installation.
6. Circumstances where corrosive fumes or condensates are generated or released inside the building.
7. Normal wear and tear, misuse or any other case beyond the control of DELTA.

This limited warranty DOES NOT APPLY in the event of:

I. Goods which have suffered scratching or abrasion or impact by a hard object or improper scouring or cleaning procedures; have been abused, altered, modified, used in a manner not originally intended or stored contrary to DELTA instructions or in accordance with goods industry practice; is damaged or stained due to moisture entrapment in bundles/packages during transit or storage; are stored or installed in an area, or in such a way, that damage can occur due to poor air circulation; have suffered any damage caused by acts of God, radiation, falling objects, explosion, fire, riots, civil commotions, acts of war or other external forces;

2. Goods which suffer from severe crazing from radial bending (hems), cut edge exposure or edge creep.
3. Goods which have suffered discoloration or corrosion from the rusting of embedded or topical steel shavings which were not properly removed during the erection process: improper insulation installation allowing moisture to remain in contact with Goods; Goods in direct contact with concrete foundation, grease or wet lumber, wet or damp insulation.
4. Goods which have been damaged by outside sources, improper installation, improper storage or handling, misuse or abuse, or lack of proper maintenance.
5. Deterioration of the panels caused directly or indirectly by contact with fasteners. Selection and specification of suitable long-life fasteners to be used with Goods rests solely with the Buyer.
6. Non-vertical slopes of roof or sections on the roof flatter than 1/4: 12 or any other circumstances that cause improper drainage or the holding of water, including internal condensation from overlaps and all other surfaces of the Goods.

CLAIM PROCEDURE

Any claim under this limited warranty shall be made to DELTA, in writing, within thirty (30) days after (a) discovery of suspected defective Goods, or (b) the time a reasonable person should have discovered the defective Goods, whichever is sooner, or the Claim shall be waived. Additionally, any Claim shall include (a) a copy of this, properly executed, warranty, and (b) a video and/or photographs of the claimed defective Goods. DELTA shall be given a prompt and reasonable opportunity to inspect the installation and investigate the claim validity and, if necessary, coordinate a joint job site inspection with its supplier's representatives or the Goods claimed to be defective. It is Buyer's responsibility to demonstrate, to DELTA and DELTA's supplier's satisfaction, that any claimed defect was due to a breach of this limited warranty.

REMEDY

Remedy shall be by either Goods replacement or Goods refinishing of the defective portion of the field installation only, in accordance with standard industry practice, F.O.B. Buyer's job site. Buyer acknowledges that this limited warranty is derived from the limited warranty issued by DELTA's supplier to DELTA, which DELTA is passing on to Buyer. Accordingly, any remedy is subject to DELTA's supplier's decision to accept the Claim and the authorization and choice of remedy for any accepted Claim shall rest solely with DELTA's supplier. In no event shall the Buyer be eligible to receive greater remedy from DELTA than the remedy DELTA receives from its supplier. Any unauthorized efforts by Buyer to remedy the alleged defective Goods shall void this warranty. DELTA and the customer agree that any and all controversy as to this warranty or any matters relating thereto shall be decided in accordance with the laws of the State of Louisiana and the laws of the United States of America.

ADDITIONAL WARRANTY LIMITATIONS

THIS LIMITED WARRANTY SUPERCEEDS AND IS EXPRESSLY PROVIDED IN PLACE OF ANY AND ALL OTHER WARRANTIES REGARDING THE GOODS, WHETHER EXPRESS, STATUTORY OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, BOTH OF WHICH ARE HEREBY EXPRESSLY DISCLAIMED BY BUYER.

DELTA SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES WHATSOEVER. The remedies set forth herein are exclusive.

Any portion of Goods replaced or refinished pursuant to this limited warranty shall be deemed to have been coated on the date of the original installation and the duration of this warranty shall not be extended beyond that of the original factory-applied finish. Buyer shall exercise diligence in inspection of Goods which are used and contain finish defects discernible by reasonable inspection.

This limited warranty applies only when specifically requested by the Buyer in writing. It shall not apply to painted finish metal used for a purpose other than exterior building panels and trim or to orders not designated in writing by the Buyer as limited warranty orders.

DELTA extends this limited warranty solely to the Buyer. This limited warranty is transferable and/or assignable exclusively to the original occupant/end user/owner of the building and is not transferable or assignable to any subsequent occupant. This limited warranty does not apply to any failure or defect that occurs after the sale or transfer of a building by the building's original owner.

BUYER: ____________________
By: ______________________

TITLE:

ORIGINAL OCCUPANT/END USER:
NAME/ COMPANY:

BUILDING LOCATION – EXACT STREET ADDRESS:

DELTA ODRER #:
DATE SHIPPED:
ERECTION COMPLETION DATE:
DELTA CONSOLIDATED, LLC

STREET:

BY: ____________________________________

TITLE: ____

DATE: __________________________________

THIS LIMITED WARRANTY IS NOT IN FORCE UNTIL RECEIPT OF THE FULLY-EXECUTED COPY HAS BEEN ACKNOWLEDGED BY DELTA.

WARRANTY SERVICE

To request Warranty Service, notify DELTA @

DELTA Consolidated, LLC
205 Pailet Dr.
Harvey, LA 70058
504-368-5433

Please include the following information:

a) A photo copy of the warranty
b) Description of the problem(s)
c) Photographs which show the problem(s)
d) Contact information
e) Date of installation

Quote #
Invoice #
Delta's Job #

DELTA CONSOLIDATED, LLC

DELTA CONSOLIDATED, LLC
205 Pailet Dr. Harvey, LA 70058
Phone: 504-368-5433
Fax: 504-368-5436
www.deltametal.net

KYNAR PAINT FINISH WARRANTY

DELTA Consolidated, LLC, extends this limited warranty to the buyer listed in the signatory below and warrants that its goods, identified as KYNAR 500® (a.k.a. KYN Colors) colors used for Exterior building panels and trim, when applied over prime quality GALVALUME® or Hot-Dipped G90 Galvanized coated steel, will perform as follows:

WORKMANSHIP

All fabricated steel components are warranted only against failure due to defective material or workmanship for a period of two years from the date of shipment.

COVERAGE

This warranty applies to Goods used on architectural, commercial, pre-engineered or residential metal buildings, which are installed in the continental United States. The term of coverage for this limited warranty shall be for a period of Thirty Five (35) years after goods shipment from DELTA for film integrity and has a period of Thirty Five (35) years after shipment for both chalking and color change.

I. WILL NOT crack, check or peel (lose adhesion) for 35 years, but this does not include minute fracturing, which may occur in proper Fabrication of the building parts.

<u>SIDEWALL PANELS (for 35 years from installation]</u>

a. WILL NOT chalk in excess of ASTM D-4214-98 method D659 number eight (8) rating
b. WILL NOT change, color more than five (5.0) Hunter Δ F, units as determined by ASTM method D-2244-02. Color change shall be measured on an exposed painted surface that has been cleaned of surface soils and chalk, and the corresponding values measured on the original or unexposed painted surface. It is understood that fading or color changes may not be uniform if the surfaces are not equally exposed to the sun and elements.

<u>ROOFING PANELS [for 35 years from installation]</u>

a. WILL NOT chalk in excess of ASTM D-42 14-98 method D659 number eight (8) rating.
b. WILL NOT change color more than five (5.0) Hunter Δ E, units as determined by ASTM method D-2244-02. Color change shall be measured on an exposed painted surface that has been cleaned of surface soils and chalk, and the corresponding values measured on the original or unexposed painted surface. It is understood that fading or color changes may not be uniform if the surfaces are not equally exposed to the sun and elements.

EXCEPTIONS

This limited warranty DOES NOT APPLY to Goods exposed at any time to corrosive, aggressive, harmful or other abnormal atmospheric conditions, including, but not limited to, the conditions present in the following areas or circumstances:

1. Areas subject to salt-water marine atmospheres or to repeated spraying of salt or fresh water, stored or installed in an environment that includes a high degree of humidity, sand, dirt, or grease, whether naturally occurring or caused by man.
2. Goods installed within 1,500 feet of a salt-water or other marine environment.
3. Areas subject to fallout of, or exposure to, aggressive conditions such as airborne abrasives, corrosive chemicals, ash fumes, cement dust, or contact with animals and/or animal waste or its decomposition products, wet cement or mortar, green or wet lumber, carbon black, salts or other chemicals, any acidic compounds carried by air or water including, but not limited to acid rain, whether naturally occurring or caused by man.
4. Areas subject to water run-off from lead or copper flashings, or to areas in metallic contact with lead or copper or installed in areas which are subject to fallout from copper, lead, nickel or silver mining or refining operations.
5. The attachment of components, such as curbs, vents, gutters, flashings signs, fascias, skylights, walkways, guy wires, windows, doors or other such materials, accessories or machinery, the attachment of which is not made known to and approved by DELTA in writing prior to installation.
6. Circumstances where corrosive fumes or condensates are generated or released inside the building.
7. Normal wear and tear, misuse or any other case beyond the control of DELTA.

This limited warranty DOES NOT APPLY in the event of:

I. Goods which have suffered scratching or abrasion or impact by a hard object or improper scouring or cleaning procedures; have been abused, altered, modified, used in a manner not originally intended or stored contrary to DELTA instructions or in accordance with goods industry practice; is damaged or stained due to moisture entrapment in bundles/packages during transit or storage; are stored or installed in an area, or in such a way, that damage can occur due to poor air circulation; have suffered any damage caused by acts of God, radiation, falling objects, explosion, fire, riots, civil commotions, acts of war or other external forces;

2. Goods which suffer from severe crazing from radial bending (hems), cut edge exposure or edge creep.
3. Goods which have suffered discoloration or corrosion from the rusting of embedded or topical steel shavings which were not properly removed during the erection process: improper insulation installation allowing moisture to remain in contact with Goods; Goods in direct contact with concrete foundation, grease or wet lumber, wet or damp insulation.
4. Goods which have been damaged by outside sources, improper installation, improper storage or handling, misuse or abuse, or lack of proper maintenance.
5. Deterioration of the panels caused directly or indirectly by contact with fasteners. Selection and specification of suitable long-life fasteners to be used with Goods rests solely with the Buyer.
6. Non-vertical slopes of roof or sections on the roof flatter than 1/4: 12 or any other circumstances that cause improper drainage or the holding of water, including internal condensation from overlaps and all other surfaces of the Goods.

CLAIM PROCEDURE

Any claim under this limited warranty shall be made to DELTA, in writing, within thirty (30) days after (a) discovery of suspected defective Goods, or (b) the time a reasonable person should have discovered the defective Goods, whichever is sooner, or the Claim shall be waived. Additionally, any Claim shall include (a) a copy of this, properly executed, warranty, and (b) a video and/or photographs of the claimed defective Goods. DELTA shall be given a prompt and reasonable opportunity to inspect the installation and investigate the claim validity and, if necessary, coordinate a joint job site inspection with its supplier's representatives or the Goods claimed to be defective. It is Buyer's responsibility to demonstrate, to DELTA and DELTA's supplier's satisfaction, that any claimed defect was due to a breach of this limited warranty.

REMEDY

Remedy shall be by either Goods replacement or Goods refinishing of the defective portion of the field installation only, in accordance with standard industry practice, F.O.B. Buyer's job site. Buyer acknowledges that this limited warranty is derived from the limited warranty issued by DELTA's supplier to DELTA, which DELTA is passing on to Buyer. Accordingly, any remedy is subject to DELTA's supplier's decision to accept the Claim and the authorization and choice of remedy for any accepted Claim shall rest solely with DELTA's supplier. In no event shall the Buyer be eligible to receive greater remedy from DELTA than the remedy DELTA receives from its supplier. Any unauthorized efforts by Buyer to remedy the alleged defective Goods shall void this warranty. DELTA and the customer agree that any and all controversy as to this warranty or any matters relating thereto shall be decided in accordance with the laws of the State of Louisiana and the laws of the United States of America.

ADDITIONAL WARRANTY LIMITATIONS

THIS LIMITED WARRANTY SUPERCEEDS AND IS EXPRESSLY PROVIDED IN PLACE OF ANY AND ALL OTHER WARRANTIES REGARDING THE GOODS, WHETHER EXPRESS, STATUTORY OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, BOTH OF WHICH ARE HEREBY EXPRESSLY DISCLAIMED BY BUYER.

DELTA SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES WHATSOEVER. The remedies set forth herein are exclusive.

Any portion of Goods replaced or refinished pursuant to this limited warranty shall be deemed to have been coated on the date of the original installation and the duration of this warranty shall not be extended beyond that of the original factory-applied finish. Buyer shall exercise diligence in inspection of Goods which are used and contain finish defects discernible by reasonable inspection.

This limited warranty applies only when specifically requested by the Buyer in writing. It shall not apply to painted finish metal used for a purpose other than exterior building panels and trim or to orders not designated in writing by the Buyer as limited warranty orders.

DELTA extends this limited warranty solely to the Buyer. This limited warranty is transferable and/or assignable exclusively to the original occupant/end user/owner of the building and is not transferable or assignable to any subsequent occupant. This limited warranty does not apply to any failure or defect that occurs after the sale or transfer of a building by the building's original owner.

BUYER

By:

TITLE: ________________________

DATE SHIPPED:

ERECTION COMPLETION DATE:

ORIGINAL OCCUPANT/END USER:

NAME/ COMPANY:

BUILDING LOCATION:

DELTA CONSOLIDATED, LLC

BY: ______________________________________ TITLE: ______________________________________

DATE: ___________________________________

THIS LIMITED WARRANTY IS NOT IN FORCE UNTIL RECEIPT OF THE FULLY-EXECUTED COPY HAS BEEN ACKNOWLEDGED BY DELTA.

WARRANTY SERVICE

To request Warranty Service, notify DELTA @

DELTA Consolidated, LLC
205 Pailet Dr.
Harvey, LA 70058
504-368-5433

Please include the following information:

a) A photo copy of the warranty
b) Description of the problem(s)
c) Photographs which show the problem(s)
d) Contact information
e) Date of installation

Delta's Invoice #
Delta's Job #
Detla's Quote#

205 Pailet Dr. Harvey, LA 70058
Phone: 504-368-5433
Fax: 504-368-5436

PREMIUM - 20yr WEATHERTIGHTNESS WARRANTY

OWNER: EFFECTIVE DATE:

OWNER'S ADDRESS:

CITY: STATE: ZIP: PHONE:

CONTRACTOR: JOB NUMBER:

CONTRACTOR ADDRESS:

CITY: STATE: ZIP: PHONE:

BUILDING USE:

INSTALLER:

INSTALLER ADDRESS:

CITY: STATE: ZIP: PHONE:

TYPE OF MANUFACTURER'S ROOF PANEL:

ROOF AREA:

DELTA WARRANTY LIABILITY = INVOICE* X 2

*Invoice is defined as DELTA's invoice for the roof system (panels, fasteners, trim and accessories) to its customer. This does not include structural material, wall cladding, wall trim & accessories, insulation, freight, or taxes

DELTA Consolidated, LLC (hereinafter DELTA) warrants to the original OWNER of the structure named above: That subject to limitations, terms, conditions and exclusions set forth herein, DELTA will repair or stop any leaks in the roof system of the building described arising out of the ordinary wear and tear, under normal weather and atmospheric conditions if reported in the manner set forth in accordance with this contract for the term indicated above from this effective date.

Warranty Coverage

Specific items covered under this Warranty are as follows: Roof panels, side seams, eave connection, panel endlaps, roof-to-wall flashings, ridge flashing, hip flashings, valley flashings, high side eave flashings, rake flashings, approved expansion joint flashings, and approved curb and small pipe penetrations. All other roof assembly components are excluded from this Warranty.

Warranty Terms, Conditions & Limitations:

1. Owner shall provide DELTA with written notice within 7 days of the discovery of any water leak. Owner should send written notice of an occurrence of a water leak to DELTA's Service Department via email or US mail at the location listed below. By so notifying DELTA, the Owner has authorized the Manufacturer to investigate the cause of the leak. Should DELTA determine the cause of the leak to be outside the scope of this Premium Warranty, the Owner shall pay investigation and repair costs.

2. If upon investigation DELTA determines that the leak is caused by either defect in materials or a workmanship deficiency with items covered within the scope of this Premium Warranty, the Owner's remedies and DELTA's liability shall be limited to the repair of the leak.

3. This Premium Warranty shall not be applicable if upon investigation, the Manufacturer determines that the following occurred:

   a. The subject roofing system is damaged by natural disaters, including, but not limited to lightning, fire, insect infestation, earthquake, tornado, ice, snow, hail, hurricanes, or gale force winds.
   b. Physical damage not caused by DELTA.
   c. Damage or leaking caused by failure of building components, including, but not limited to roof substrate, HVAC units, skylights, building structure, or condensation of airborne water vapor.
   d. Damage from chemicals including, but not limited to, chemicals spilled/discharged onto the roof by equipment or personnel, or chemicals discharged onto the roof by the atmosphere.
   e. Any use of unauthorized personnel or contractors, hired by the Owner, to perform maintenance or repairs; improper installation of roof components, accessories, equipment, HVAC units, roof penetration, improper flashings, or sealants; or use of inferior materials will render this warranty null and void.
   f. Any change in the building use not approved by DELTA.

4. Throughout the term of this Premium Warranty, DELTA will have free access to all roofs on the subject building during normal business hours.

5. Routine maintenance is the Owner's responsibilty, as set forth in the Owner's Maintenance Agreement. Roof leaks caused by maintenance items are not covered under this Premium Warranty and failure to maintain the roof will render this Premium Warranty null and void.

6. DELTA shall have no obligation under this Premium Warranty while any bills for installation; inspections, materials, service and/or repairs to the roof of the subject building remain unpaid to Certified Installers or Manufacturers

7. ARBITRATION: Any dispute arising out of the installation or Warranty of the subject roofing system will be settled by arbitration. One arbitrator appointed by the American Arbitration Association from a commercial panel will hear this dispute. The decision of the Arbitrator shall be final and binding on the parties both as to law and fact and shall not be appealable to any court in any jurisdiction. The parties shall share expenses of the arbitration equally unless the Arbitrator determines that the expenses be otherwise assessed. Arbitration shall take place in Harvey, Jefferson Parish, Louisiana.

   THIS WARRANTY IS NOT AN INSURANCE POLICY GUARANTEEING THAT THE ROOF WILL NOT LEAK. THE REMEDIES STATED HEREIN ARE THE EXCLUSIVE REMEDIES FOR FAILURE OF THE ITEMS COVERED IN THE "WARRANTY COVERAGE" SECTION OF THIS WARRANTY. DELTA SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO LOSS OF PROFITS OR DAMAGE TO THE BUILDING OR IT'S CONTENTS UNDER ANY THEORY OF LAW

Notification:

DELTA Consolidated, LLC
205 Pailet Dr.
Harvey, LA 70058
504-368-5433
nat@deltametal.net

DELTA Consolidated, LLC THIS WARRANTY EXPIRES:

Warranty Authorized By: ______________________________

Title Date:

DELTA CONSOLIDATED, LLC
205 Pailet Dr.
Harvey, LA 70058
504-368-5433

9/6/23

Customer:
4390 Peters Rd
Harvey, LA

Reference: **DELTA Job #: 17311-0632**
Project: **36’x 34’x 24’ Metal Building**

Location:
4390 Peters Rd
Harvey, LA

Building Size:
Width: **36.0 ft**
Length: **34.0 ft**
Roof Slope: **1:12**
Back Side Eave Height: **24 ft**
Front Side Eave Height: **24 ft**
Sidewall Bay Spacing: **2@17’-0”**

Gentlemen:

This is to certify the above referenced building has been designed in accordance with the American Institute of Steel Construction (AISC)and American Iron and Steel Institute (AISI) design procedures and good engineering practices for the following loads. All welding is per the American Welding Society (AWS) D1.1 standard. Loads are applied in accordance with IBC 2021 building code, and the design satisfies the the requirements of the code. Design loads are as follows:

Dead Load: **1.500 psf**
Collateral Load: **1 psf**
Wind Load: **138 mph**
Exposure: **B**
Importance: **1.00**
Roof Snow Load: **0 psf** **(Ground snow load x .7)**
Importance: **1.0**
Live Load: **20.00 psf**
Secondary: **20.00 psf**
Primary: **12.00 psf**
Seismic: **0.16**
Zone: **B**
Importance: **1.00** Seismic Hazard Exposure Group: **1**
Av: **0.050** Seismic Performance Category: **D**
Aa: **0.05** Occupancy Category: **1**

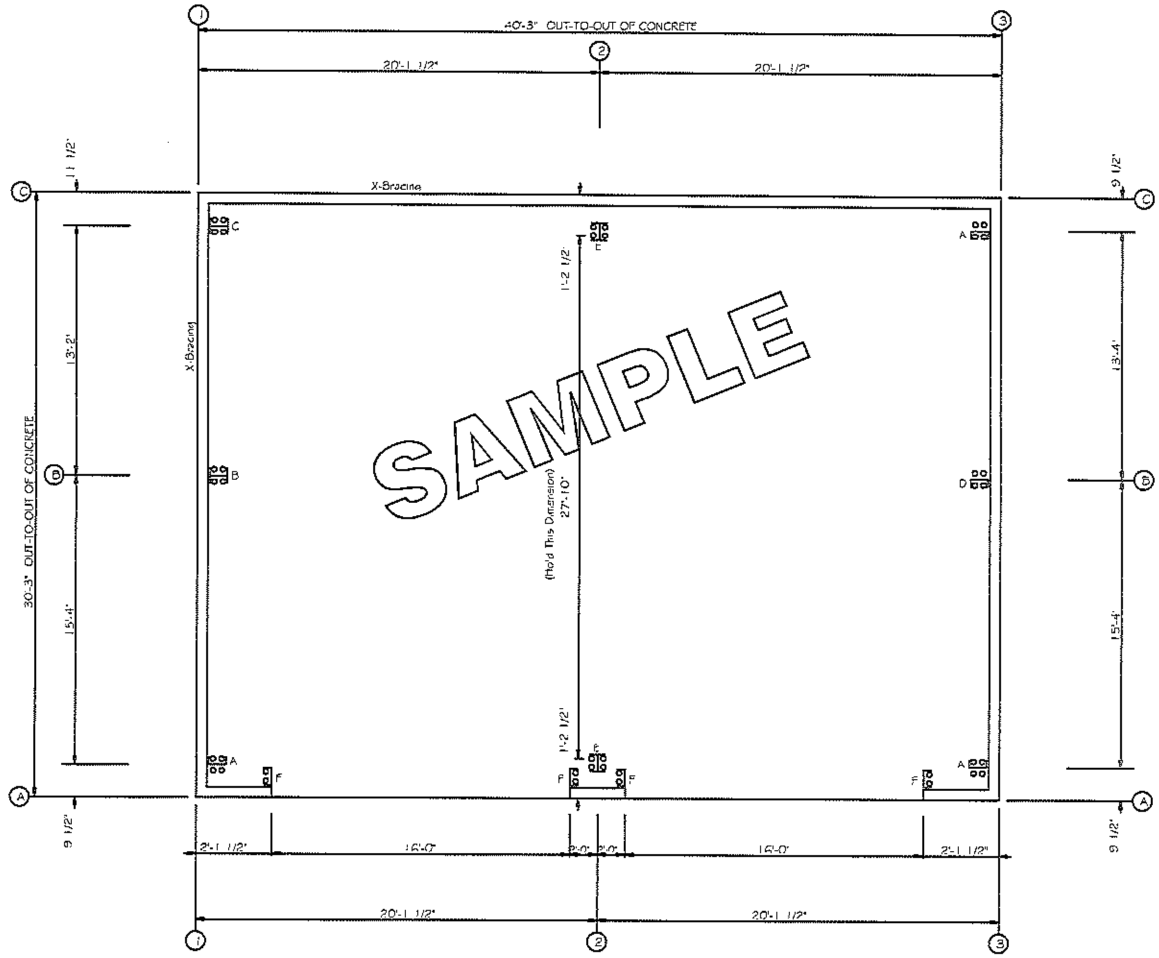
Basic Stuctural System: Building Frame System with Braced Bents and Moment Resisting Frames.

This Letter of Certification applies solely to the building and its component parts as furnished by DELTA and specifically excludes any foundation, masonry, or general contract work to include erection certification.

The design and Certification for this project is in accordance with the provisions and loads specified on the building order. The buyer is responsible to verify specified loads are in compliance with the local regulatory authorities.

Sincerely,

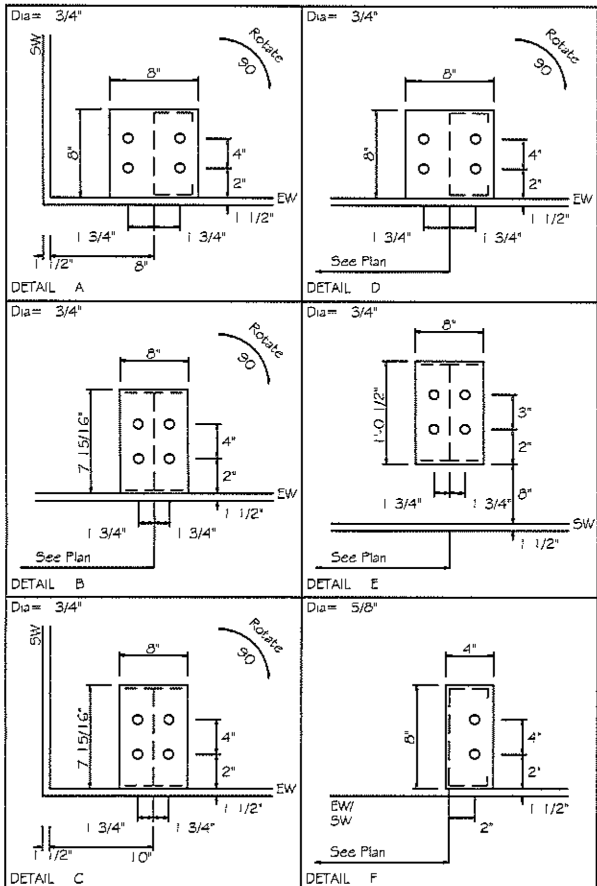
(DELTA Engineer), P.E.



ANCHOR BOLT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)

DELTA Consolidated, LLC		
PROJECT		ANCHOR BOLT PLAN
ID		DESIGN: DRAFT: CHECK:
PROJECT ADDRESS		DATE: 8/21/09 SHEET F1



NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	= 30.0
Length (ft)	= 40.0
Eave Height (ft)	= 12.0/ 12.0
Roof Slope (rise/12)	= 3.0/ 3.0
Dead Load (psf)	= 1.5
Collateral Load (psf)	= 1.0
Roof Live Load(psf)	= 20.0
Frame Live Load(psf)	= 12.0
Wind Speed (mph)	= 130.0
Wind Code	= IBC 06
Exposure	= B
Closed/Open	= C
Importance Wind	= 1.00
Importance Seismic	= 1.00
Seismic Design Category	= B
Seismic Coeff (Fa*Ss)	= 0.05

ANCHOR BOLT SUMMARY

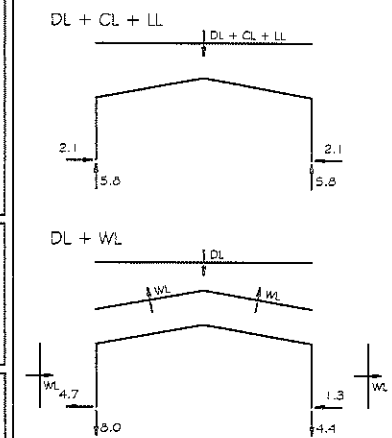
	Qnt	Loc	Dia (in)	Type
O	8	DJ	5/8"	
O	24	EW	3/4"	
O	8	RF	3/4"	

BRACING REACTIONS, PANEL SHEAR

--Wall-- Loc	Line	Col Line	+ Reactions (k) --Wind--- Horz	Vert	-Seismic- Horz	Vert	Panel Shear (lb/ft)
L_EW	1	C,B	1.7	1.7	0.0	0.0	
F_SW	A	Torsional Bracing Used					
R_EW	3						55
B_SW	C	2,1	4.4	2.3	0.1	0.0	

Main Frame REACTIONS (k)

@2



ENDWALL COLUMN REACTIONS(k)

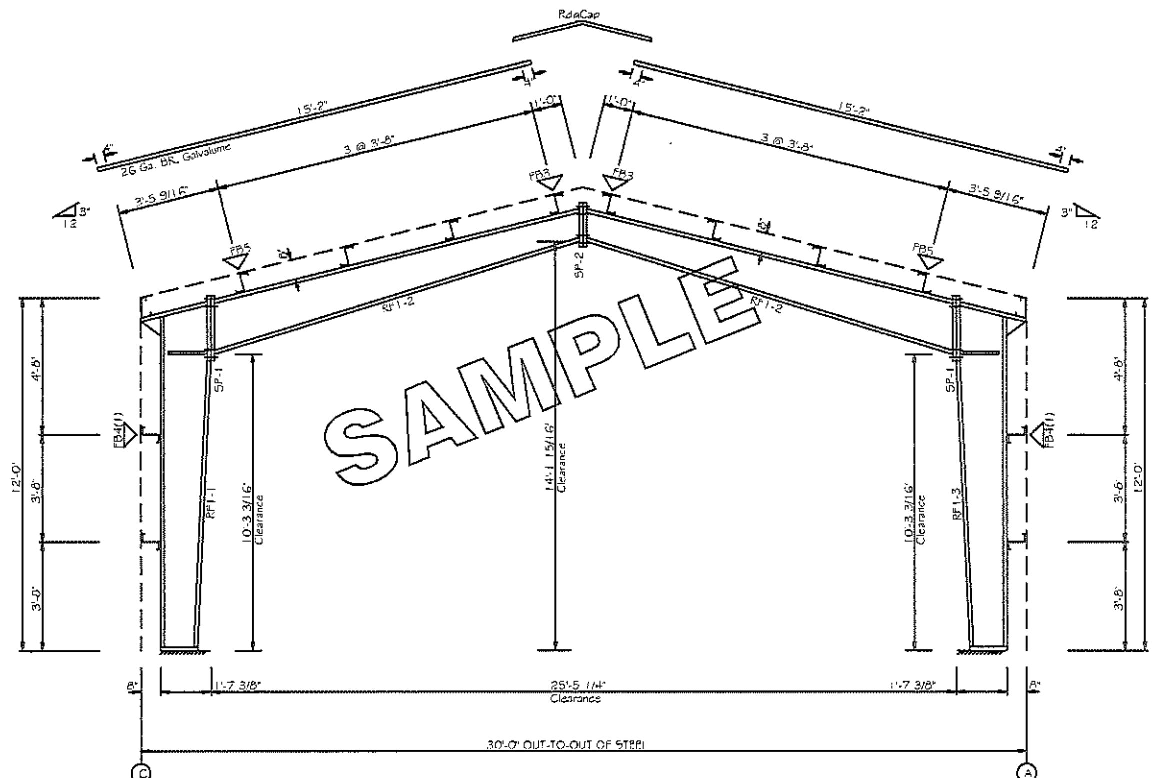
MAXIMUM VERTICAL DL+CL+LL	= 4.5
MAXIMUM VERTICAL DL+WL	= -5.2
MAXIMUM HORIZONTAL DL+WL	= 2.8

DELTA Consolidated, LLC		
PROJECT		ANCHOR BOLT DETAILS & REACTIONS
ID		DESIGN: DRAFT: CHECK:
PROJECT ADDRESS		DATE: 8/21/09 SHEET F2

SPLICE PLATES & BOLTS									
Splice Mark	Quan Top/	Bot/	Int	----Bolt---- Type	Dia	Length	Plate Size Width	Thick	Length
SP-1	4	4	0	A325	0.750	2.00	6"	1/2"	2'-3"
SP-2	4	4	0	A325	0.750	1.75	6"	3/8"	1'-6"

MEMBER SIZE TABLE (in)					
MARK	WEB DEPTH START/END	WEB PLATE THICK	LENGTH	OUTSIDE FLANGE W x T x LENGTH	INSIDE FLANGE W x T x LENGTH
RF1-1	12.0/19.0	0.134	142.0	5 x 3/16" x 137.2 6 x 3/16" x 28.0	5 x 3/16" x 119.2
RF1-2	18.7/10.0	0.134	160.8	5 x 3/16" x 156.1	5 x 3/16" x 158.5
RF1-3	19.0/12.0	0.134	142.0	6 x 3/16" x 28.0 5 x 3/16" x 137.2	5 x 3/16" x 119.2

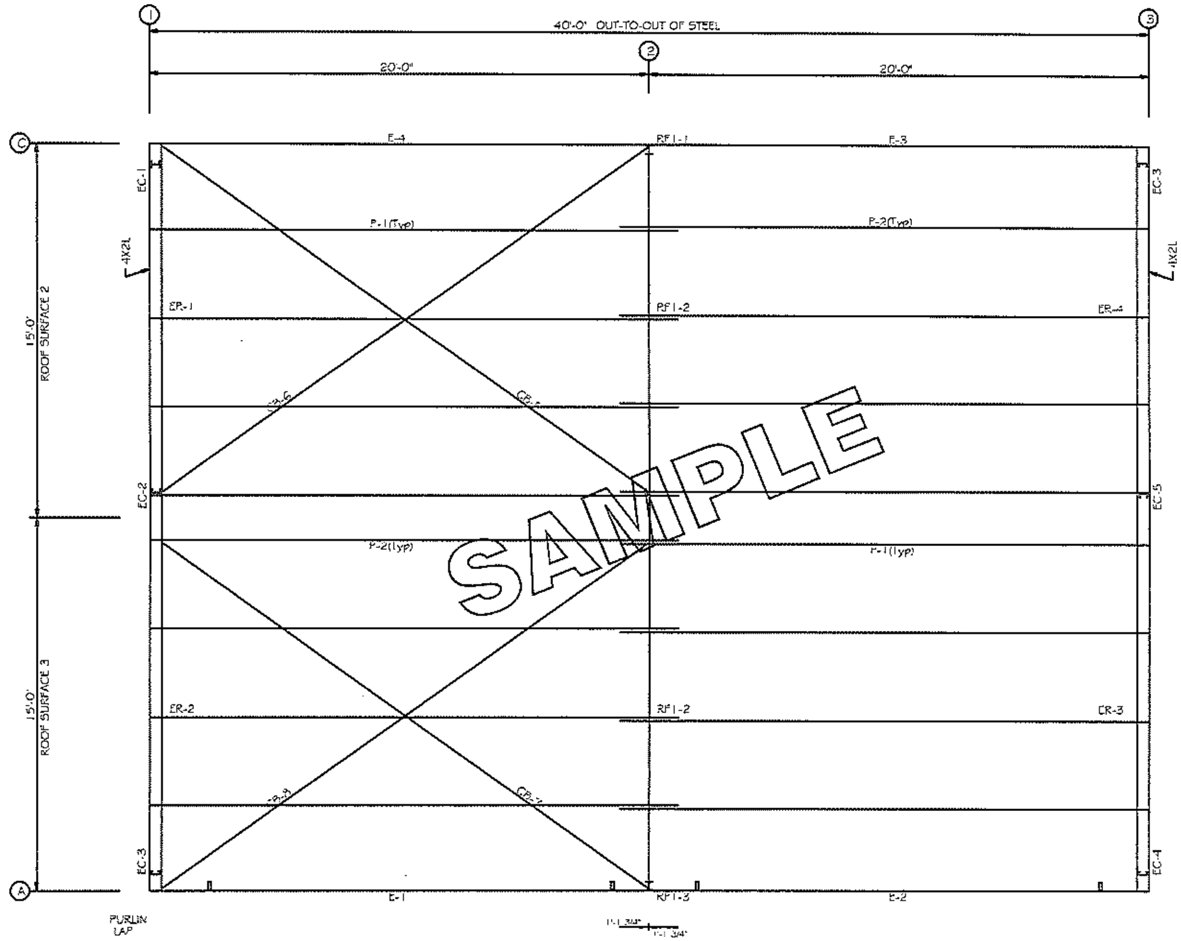
▽ FLANGE BRACES: Both Sides(U.N.)
FBxxA(1)
A - L2X2X18



BUILDING CROSS SECTION
FOR FRAME LINE 2

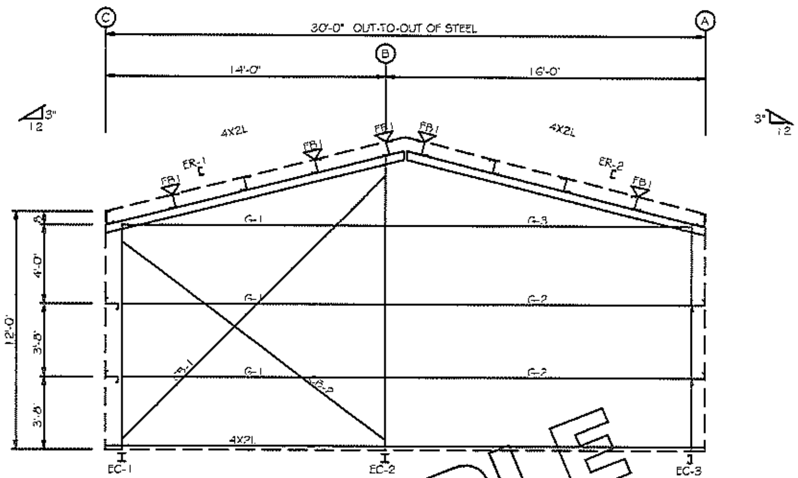
DELTA Consolidated, LLC				
PROJECT		RIGID FRAME ELEVATION		
ID		DESIGN:	DRAFT:	CHECK:
PROJECT		DATE: 8/21/09	SHEET	E1
ADDRESS				

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	8X25Z16	21'-1 1/2"
P-2	8X25Z16	21'-1 1/2"
E-1	8ES14	19'-11 1/2"
E-2	8ES14	19'-11 1/2"
E-3	8ES14	19'-11 1/2"
E-4	8ES14	19'-11 1/2"
CB-5	3/8 Cab	24'-2"
CB-6	3/8 Cab	23'-10"
CB-7	1/4 Cab	23'-11"
CB-8	1/4 Cab	24'-3"



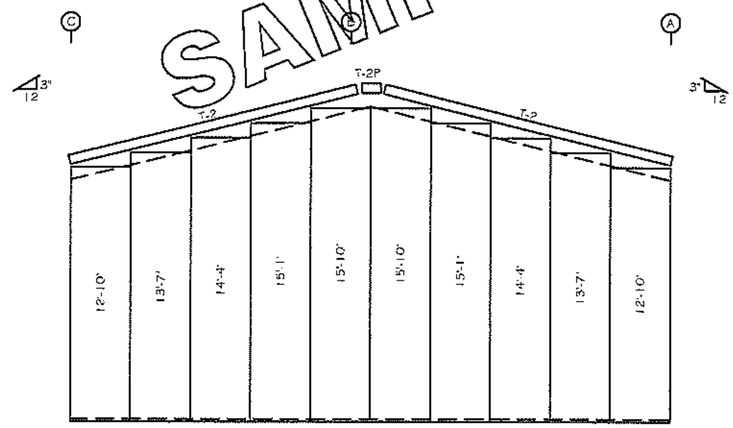
ROOF FRAMING PLAN

DELTA Consolidated, LLC				
PROJECT		ROOF FRAMING		
ID		DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS		DATE: 8/21/09	SHEET	E2



ENDWALL FRAMING: FRAME LINE 1

SAMPLE



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. R - NEED COLOR

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	4	A325	5/8"	1 3/4"
EC-1/ER-1	4	A325	5/8"	1 1/2"
EC-2/ER-1	4	A325	5/8"	1 1/2"
EC-3/ER-2	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE 1

MARK	PART	LENGTH
EC-1	W8x13	11'-4 3/4"
EC-2	W8x13	14'-8 1/4"
EC-3	8X35C16	11'-4 11/16"
ER-1	8X35C12	15'-5 9/16"
ER-2	8X35C14	15'-5 9/16"
G-1	8X25Z16	12'-6 1/2"
G-2	8X25Z16	14'-8 1/2"
G-3	8X25Z14	14'-8 1/2"
CB-1	1/4 Cab	19'-8"
CB-2	1/4 Cab	17'-5"

FLANGE BRACE TABLE
FRAME LINE 1

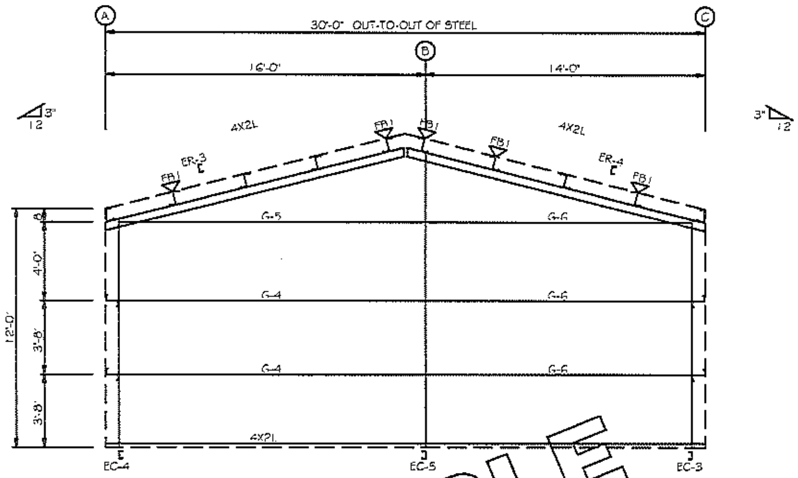
▽ID	MARK	LENGTH
1	FB1	2'-5 3/16"

DELTA Consolidated, LLC				
PROJECT		ENDWALL FRAMING		
ID		DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS		DATE: 8/21/09	SHEET	E3

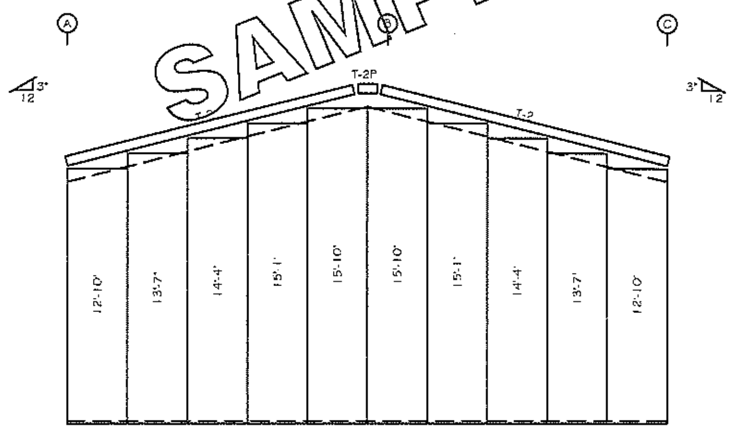
BOLT TABLE FRAME LINE 3				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-3/ER-4	4	A325	5/8"	1 1/2"
Columns/Raf	2	A325	5/8"	1 1/2"

MEMBER TABLE FRAME LINE 3		
MARK	PART	LENGTH
EC-3	8X35C16	11'-4 11/16"
EC-4	8X35C16	11'-4 11/16"
EC-5	8X40C12	14'-8 3/4"
ER-3	8X35C14	15'-5 9/16"
ER-4	8X35C14	15'-5 9/16"
G-4	8X25Z16	14'-8"
G-5	8X25Z14	14'-8"
G-6	8X25Z16	13'-0"

FLANGE BRACE TABLE FRAME LINE 3		
▽ID	MARK	LENGTH
1	FB1	2'-5 3/16"



ENDWALL FRAMING: FRAME LINE 3

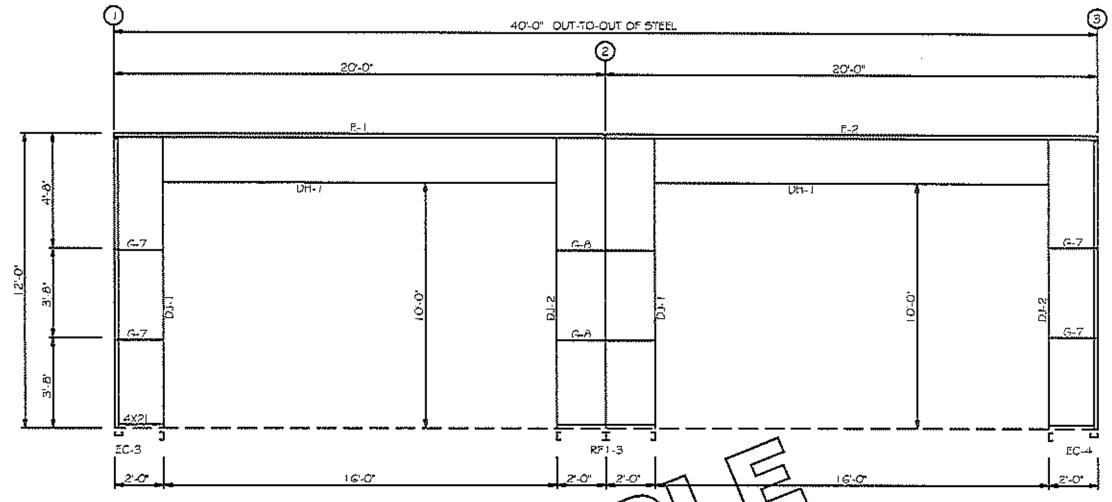


ENDWALL SHEETING & TRIM: FRAME LINE 3

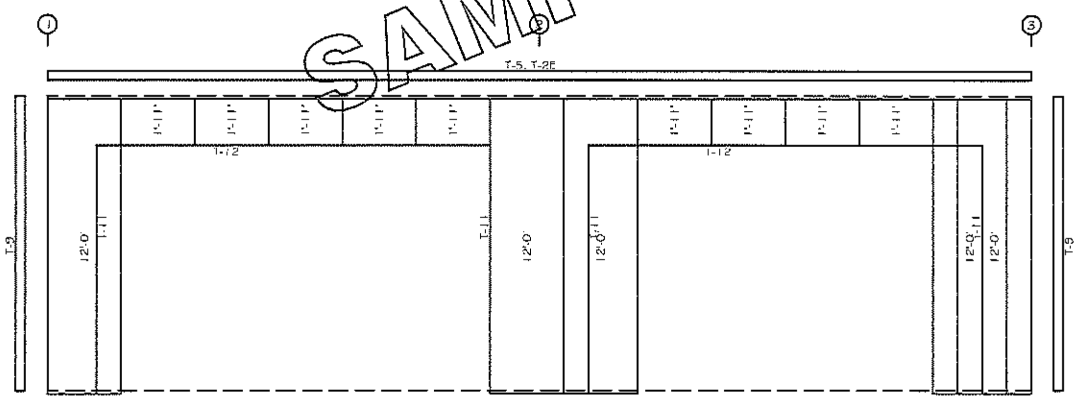
PANELS: 26 Ga. R - NEED COLOR

DELTA Consolidated, LLC				
PROJECT		ENDWALL FRAMING		
ID		DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS		DATE: 8/21/09	SHEET	E4

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
DJ-1	8X25C14	11'-6"
DJ-2	8X25C14	11'-6"
DH-1	8X25C14	16'-0"
E-1	8ES14	19'-11 1/2"
E-2	8ES14	19'-11 1/2"
G-7	8X25Z16	1'-9"
G-8	8X25Z12	3'-6 1/2"



SIDEWALL FRAMING: FRAME LINE A

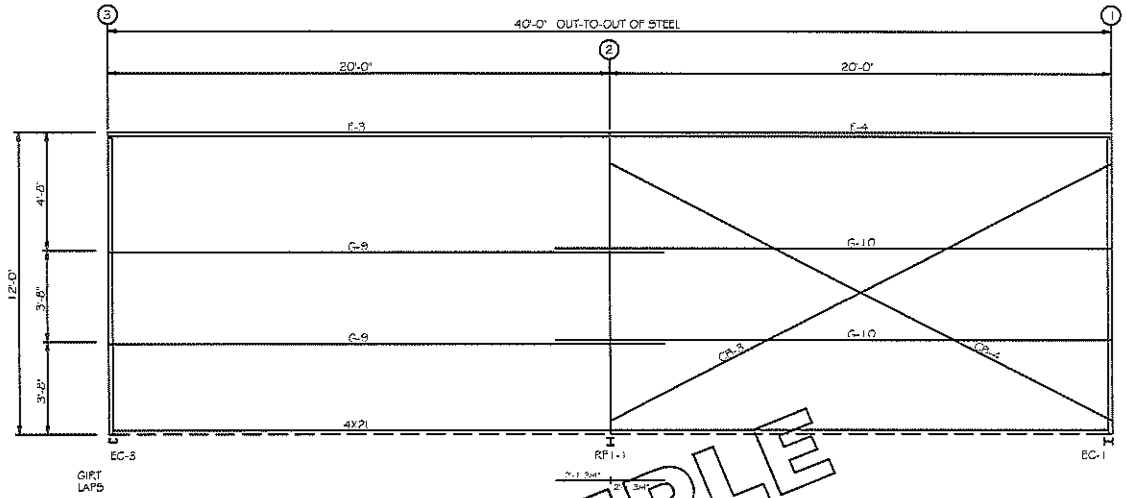


SIDEWALL SHEETING & TRIM: FRAME LINE A

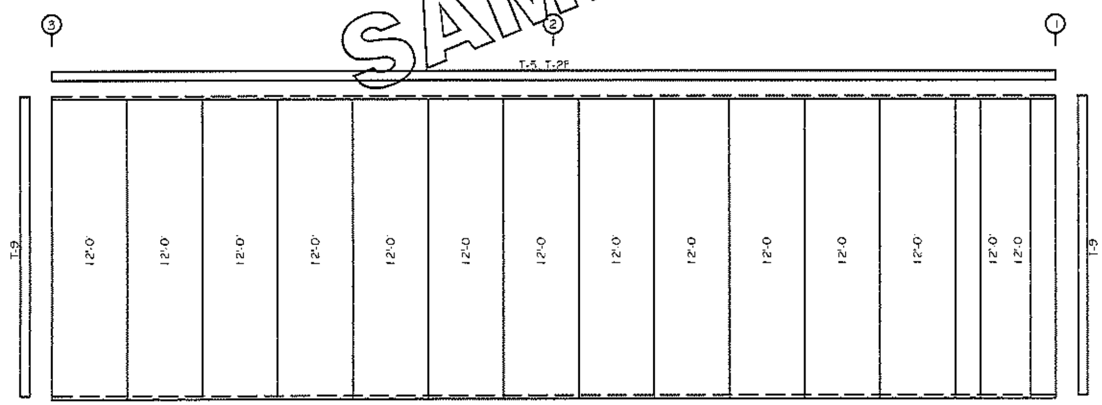
PANELS: 26 Ga. R - NEED COLOR

DELTA Consolidated, LLC		
PROJECT ID		SIDEWALL FRAMING
		DESIGN: / DRAFT: / CHECK:
PROJECT ADDRESS		DATE: 8/21/09 / SHEET E5

MEMBER TABLE FRAME LINE C		
MARK	PART	LENGTH
E-3	8E514	19'-11 1/2"
E-4	8E514	19'-11 1/2"
G-9	8X25Z16	22'-1 1/2"
G-10	8X25Z16	22'-1 1/2"
CB-3	3/8 Cab	22'-1"
CB-4	3/8 Cab	22'-6"



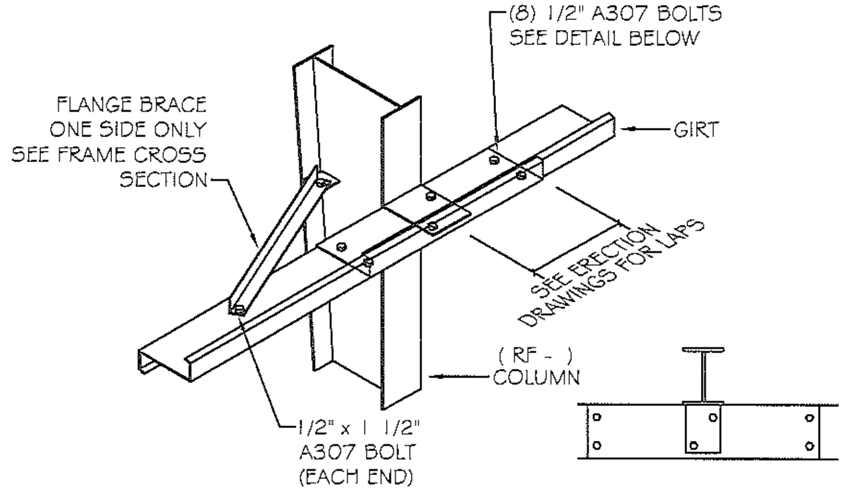
SIDEWALL FRAMING: FRAME LINE C



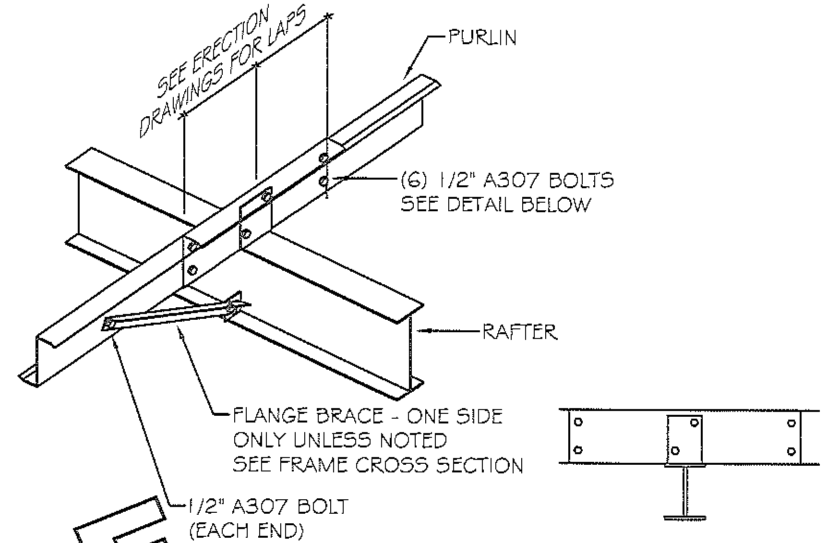
SIDEWALL SHEETING & TRIM: FRAME LINE C

PANELS: 26 Ga. R - NEED COLOR

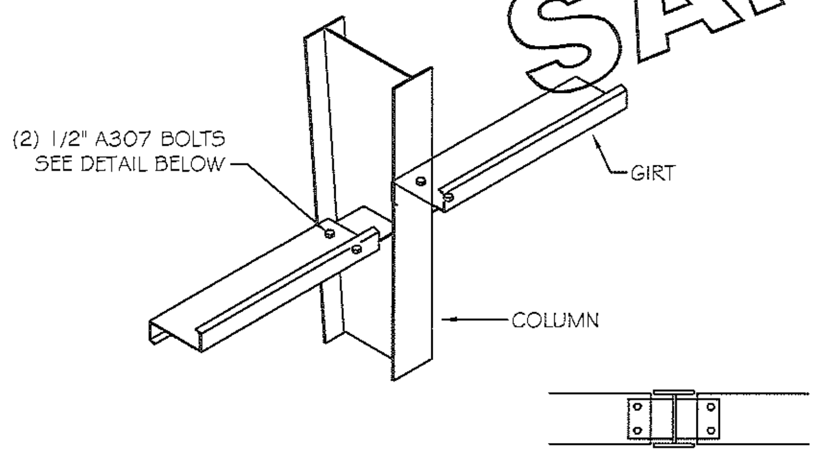
DELTA Consolidated, LLC				
PROJECT		SIDEWALL FRAMING		
ID		DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS		DATE: 8/21/09	SHEET	E6



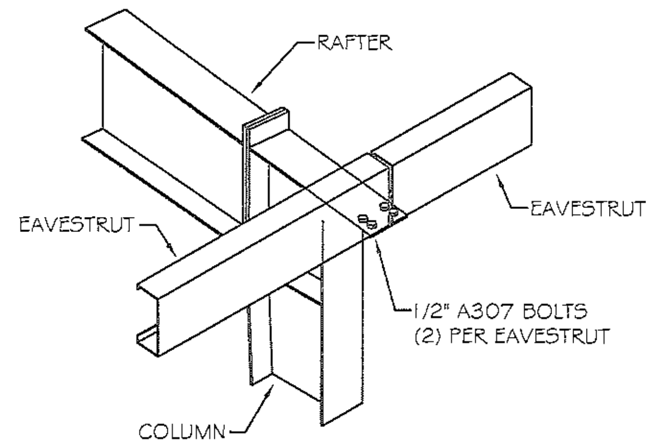
BYPASS GIRT LAP - FLANGE BRACE



PURLIN LAP - FLANGE BRACE



FLUSH GIRT

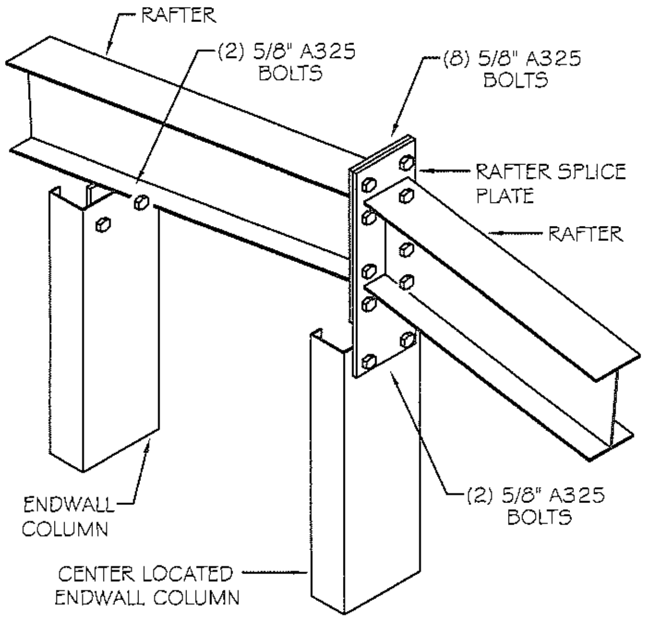


EAVE STRUT

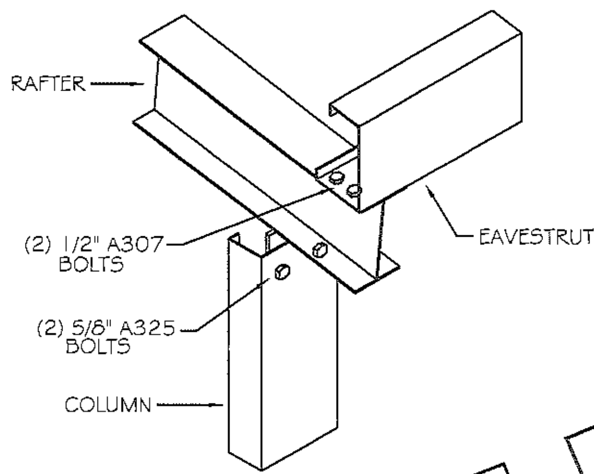
DELTA
Consolidated, LLC

BUILDING DETAILS
Secondary Framing Connections
Purlin - Girt - Eavestrut
Flange Brace

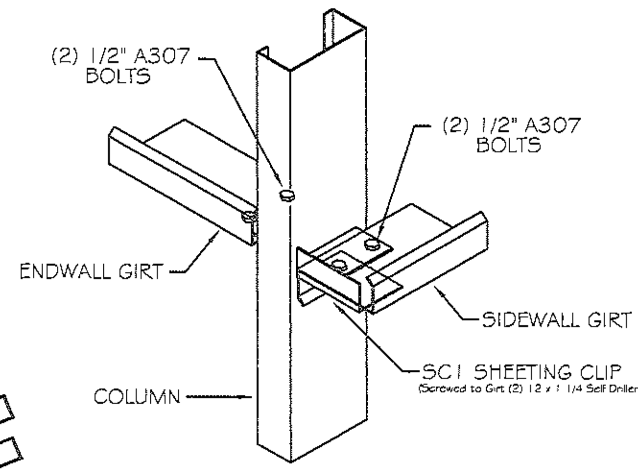
S1.1



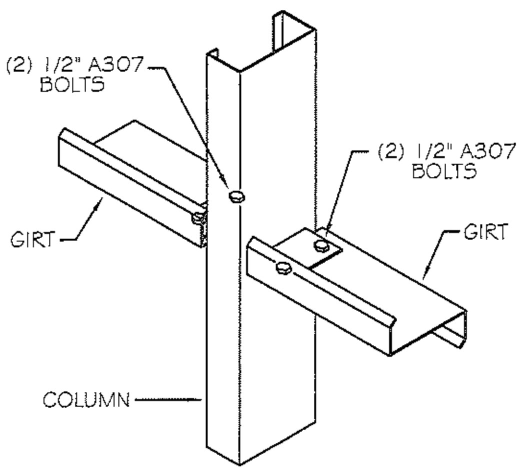
ENDWALL COLUMN AT RAFTER



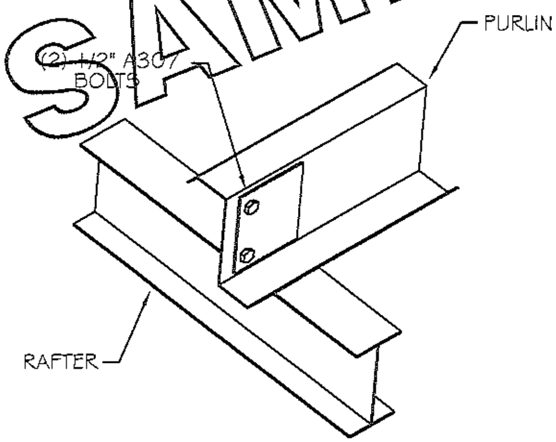
EAVESTRUT AT CORNER COLUMN



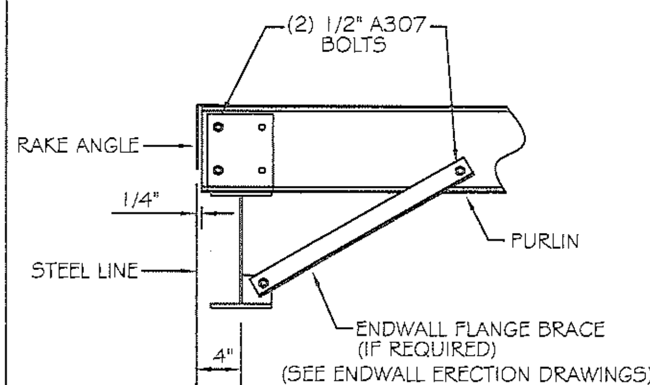
GIRT AT CORNER COLUMN



GIRT AT ENDWALL COLUMN



PURLIN AT ENDWALL RAFTER

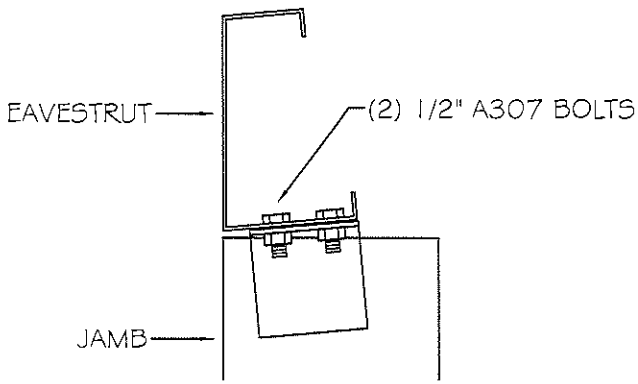


SECTION THRU RAKE

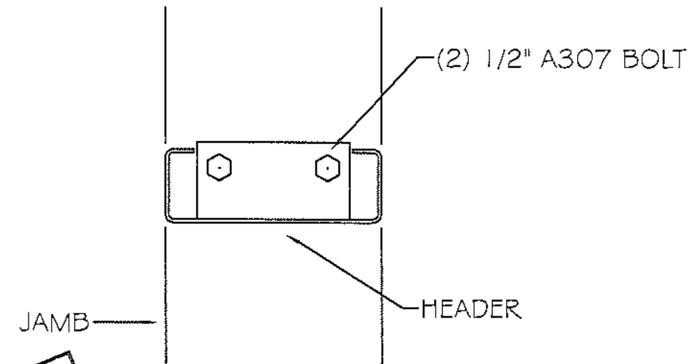
DELTA
Consolidated, LLC

BUILDING DETAILS
Bearing End Frame Connections
W Rafter
Cee Column Shown - W Column Similar

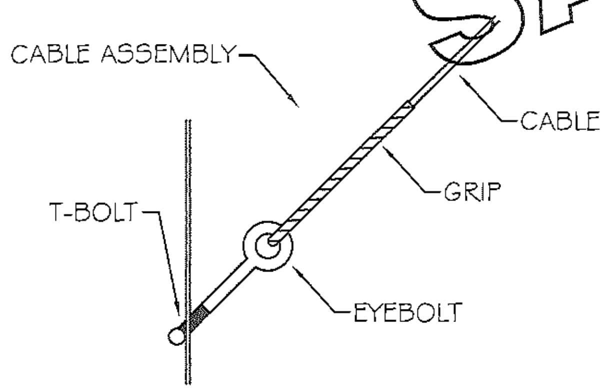
S1.3



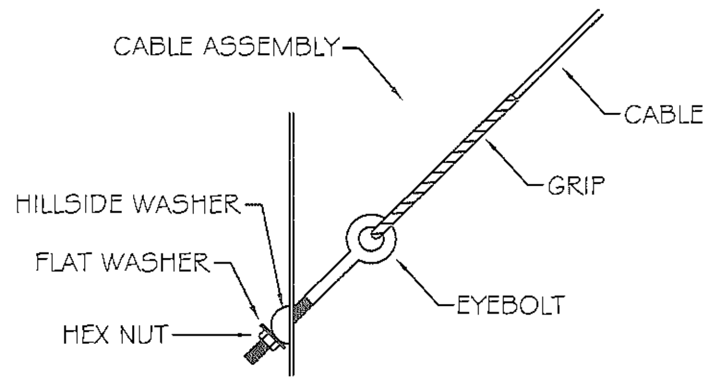
JAMB TO EAVE STRUT



JAMB TO HEADER

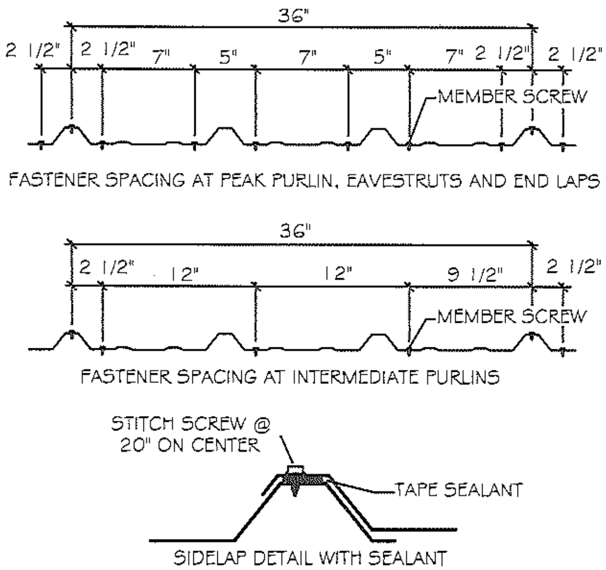


T-BOLT ASSEMBLY

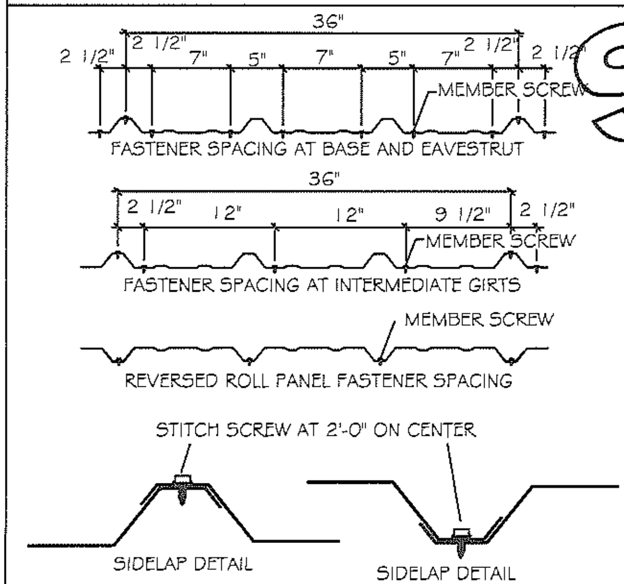


CABLE BRACE

DELTA Consolidated, LLC	BUILDING DETAILS Secondary Framing Connections Framed Openings Cable Brace	S1.5

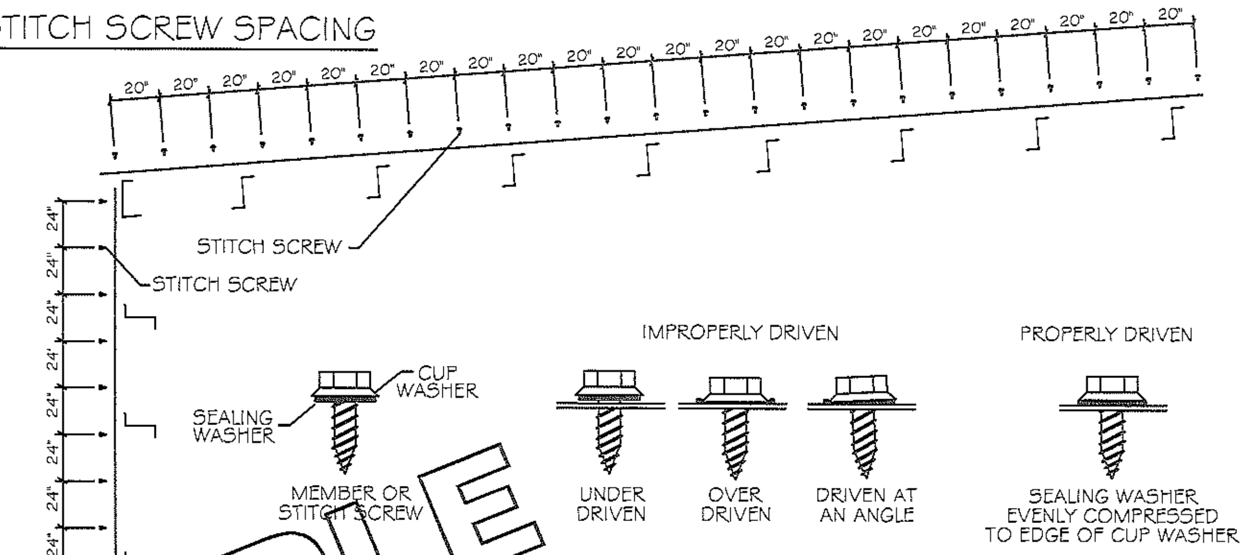


ROOF PANEL FASTENER SPACING

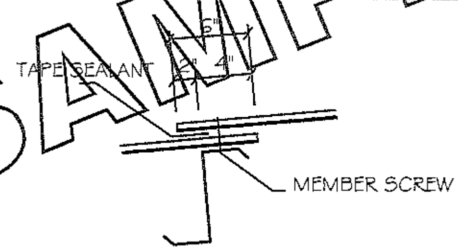


WALL PANEL FASTENER SPACING

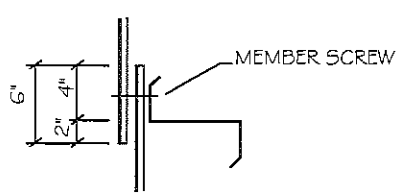
STITCH SCREW SPACING



DRIVING MEMBER AND STITCH SCREWS



ROOF SHEETING LAP



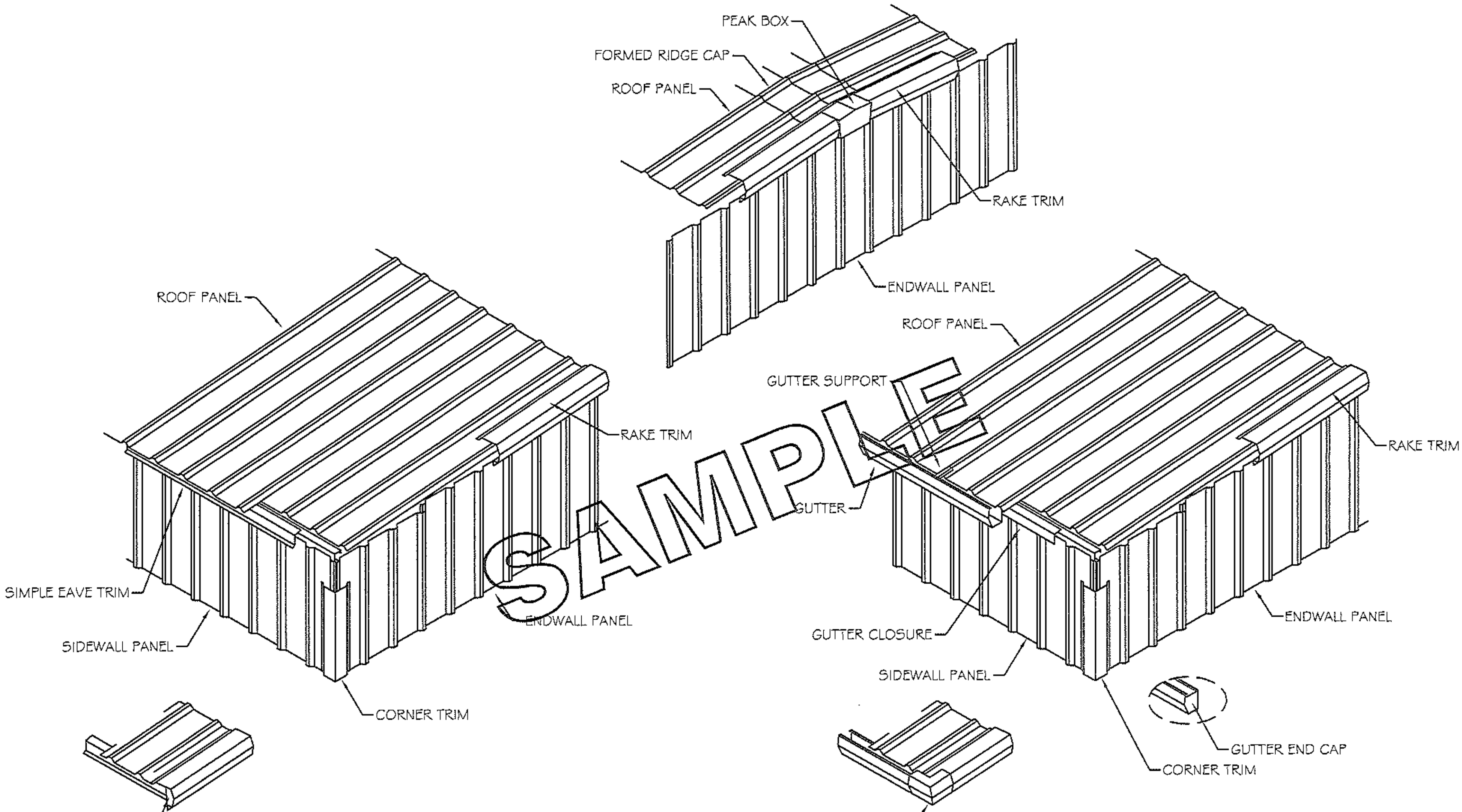
WALL SHEETING LAP

STANDARD MEMBER SCREW (PANEL OR TRIM TO SECONDARY)	#12 x 1 1/4" SELF DRILLER WITH SEALING WASHER
STANDARD MEMBER SCREW (PANEL SIDELAPS OR TRIM TO PANEL)	#12 x 3/4" Pierce Point LAP-TEK WITH SEALING WASHER

THE PANEL ACTS A SHEAR DIAPHRAGM TO RESIST FORCES IMPARTED BY WIND AND SEISMIC LOADS.
MEMBER AND STITCH SCREWS MUST BE INSTALLED PRECISELY AS DESCRIBED ON THIS DRAWING.
FAILURE TO PROPERLY INSTALL THESE FASTENERS WILL JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING.

MEMBER SCREWS ATTACHING TRIM TO SECONDARY FRAMING ARE GENERALLY SPACED AT 20" ON CENTER
STITCH SCREWS ATTACHING TRIM TO TRIM ARE GENERALLY SPACED AT 20" ON CENTER AND TO PANEL AT MAJOR RIBS.
EXCEPTIONS TO THIS SPACING WILL BE SHOWN ON ERECTION DETAIL DRAWINGS. (S5, S6, S8 etc.)

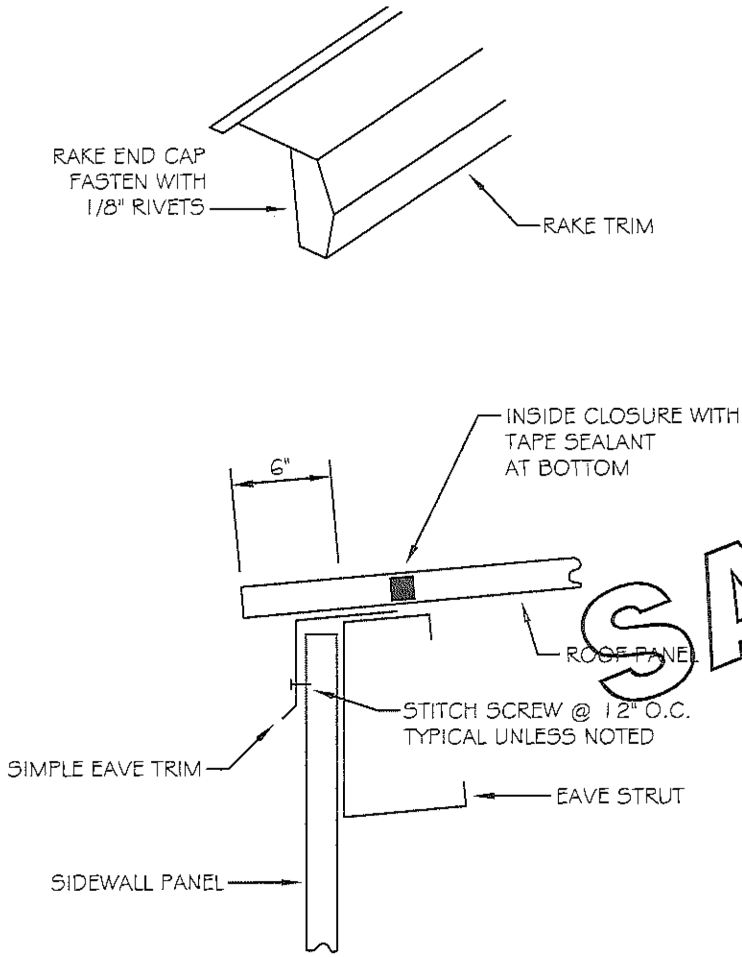
DELTA Consolidated, LLC	BUILDING DETAILS Screw Placement Roof Panel - Wall Panel Trim	S3.1



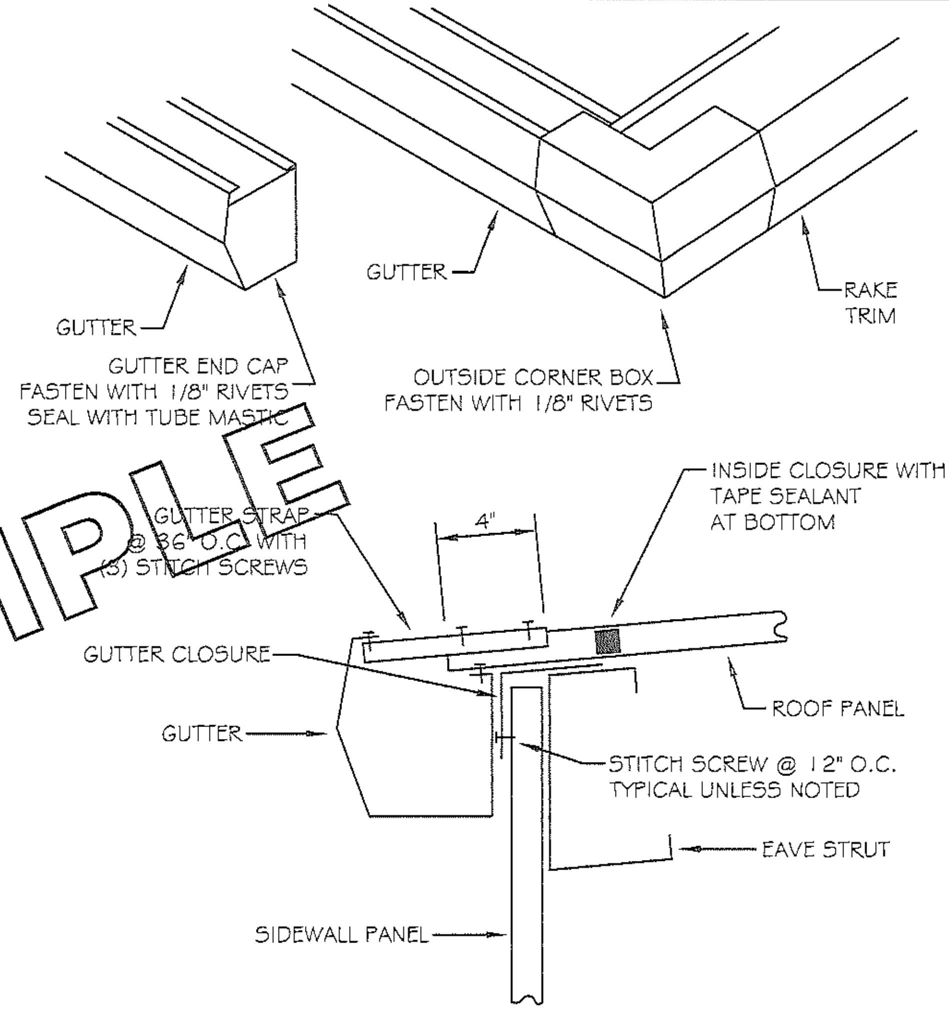
SIMPLE EAVE TRIM

GUTTER

DELTA Consolidated, LLC	BUILDING DETAILS TRIM INSTALLATION GENERAL LAYOUT	S4.1

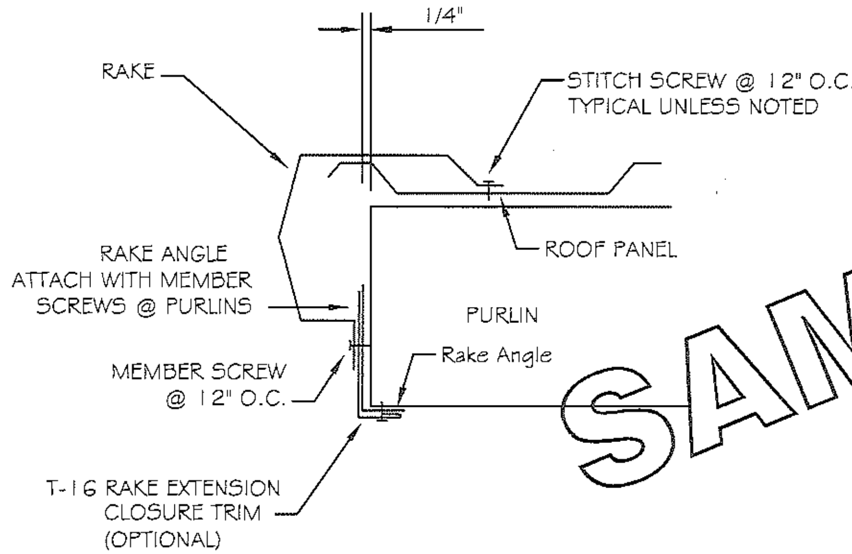


SIMPLE EAVE TRIM

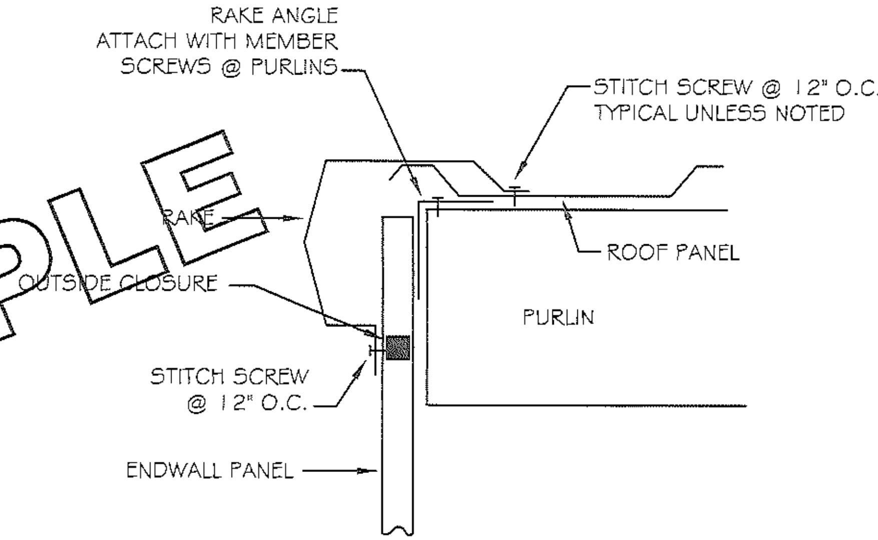


GUTTER

DELTA Consolidated, LLC	BUILDING DETAILS Trim Installation Simple Eave Trim Gutter	S4.2



OPEN WALL RAKE TRIM

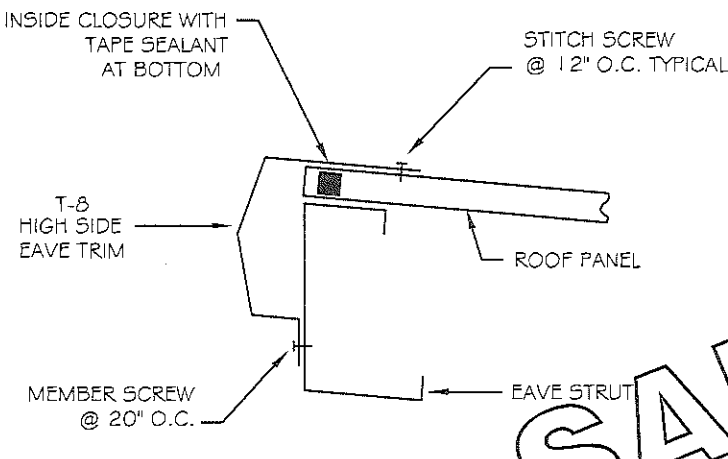


RAKE TRIM

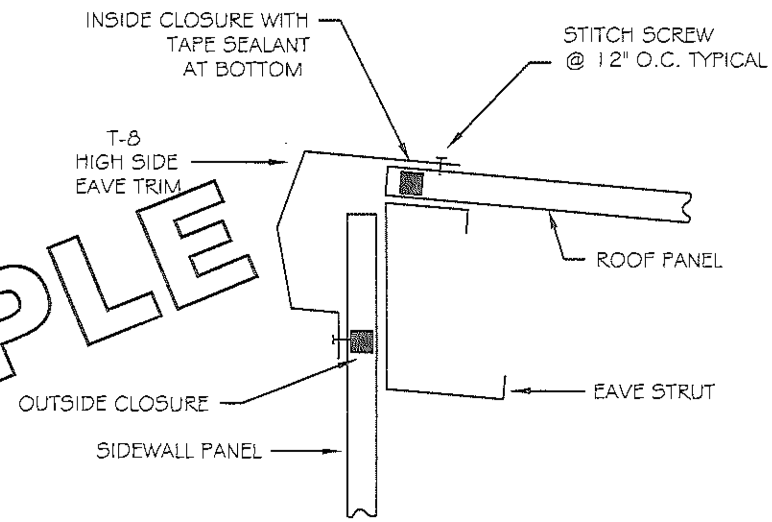
DELTA
Consolidated, LLC

BUILDING DETAILS
Trim Installation
Rake Trim
Rake Trim at Open Endwall

54.3



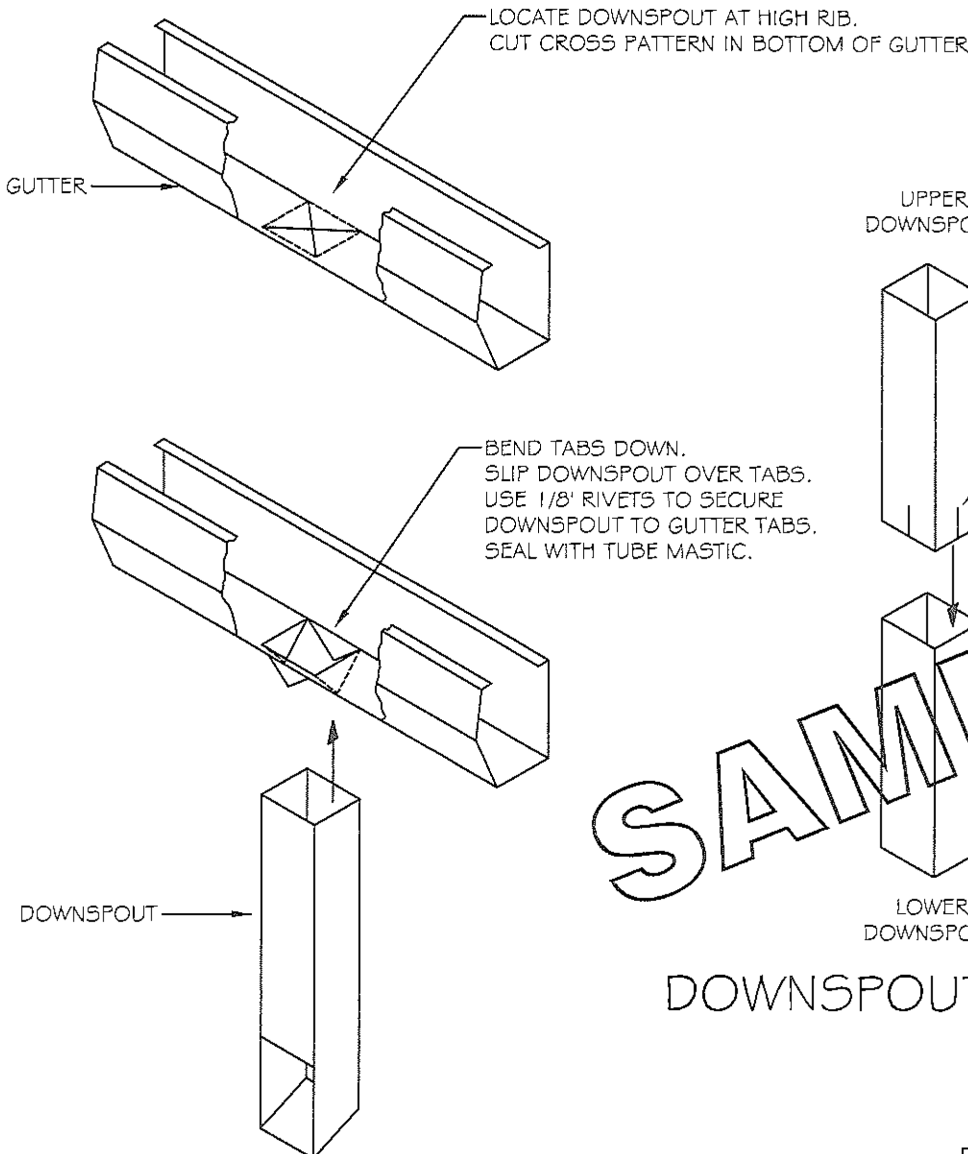
OPEN WALL HIGH SIDE EAVE



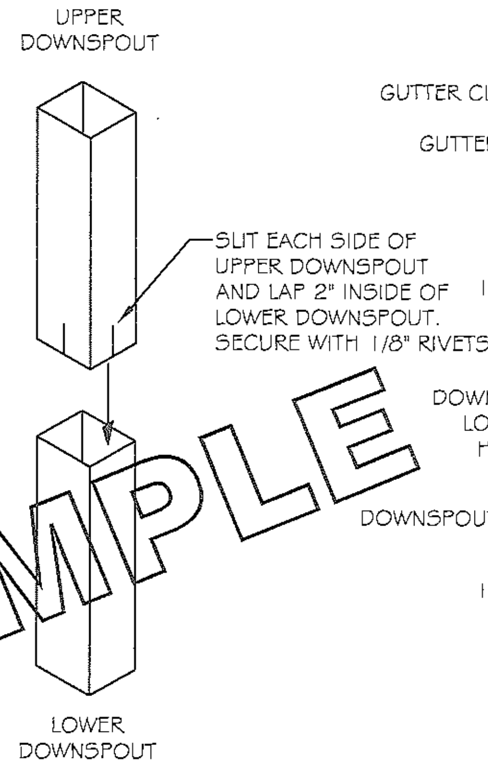
HIGH SIDE EAVE

DELTA Consolidated, LLC	BUILDING DETAILS Trim Installation High Side Eave High Side Eave at Open Wall	S4.4

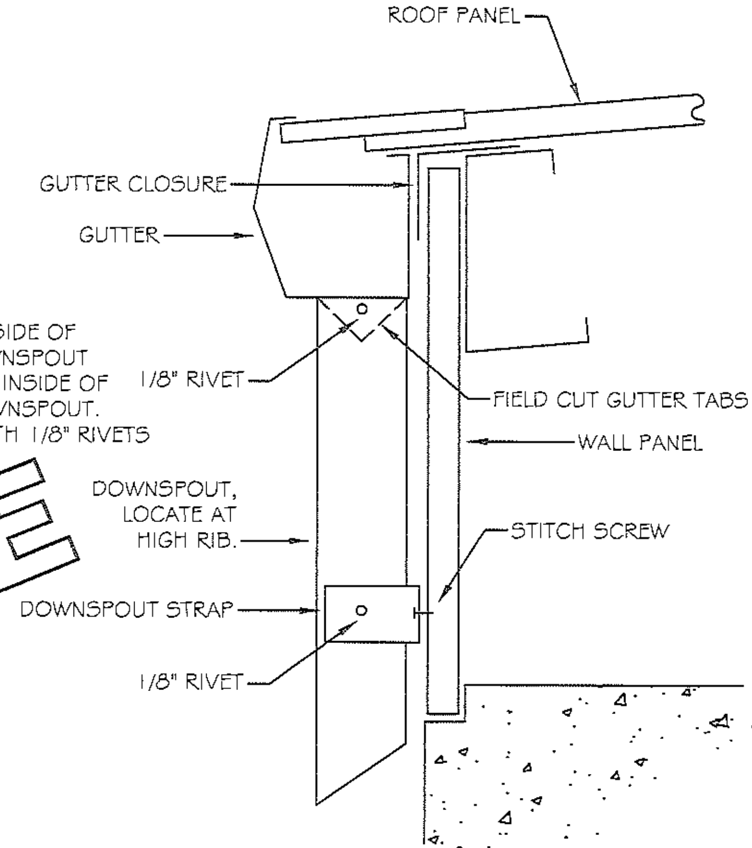
10/1/02



DOWNSPOUT

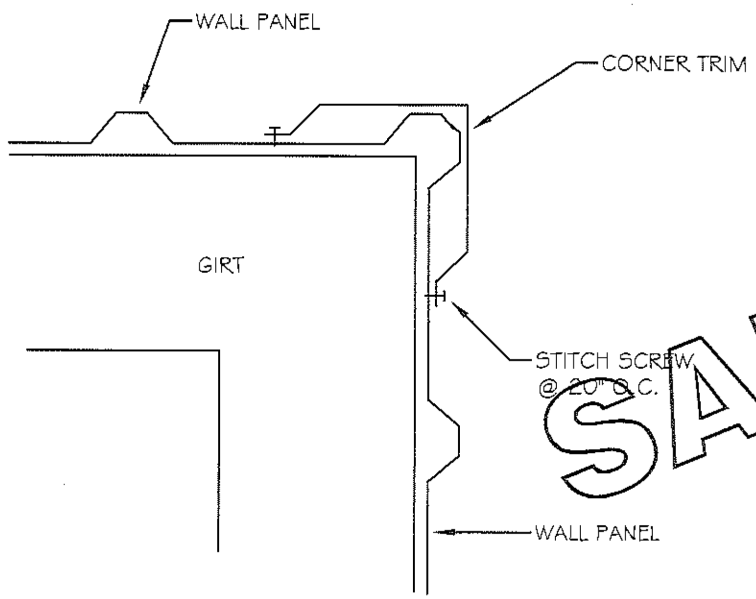


DOWNSPOUT SPLICE

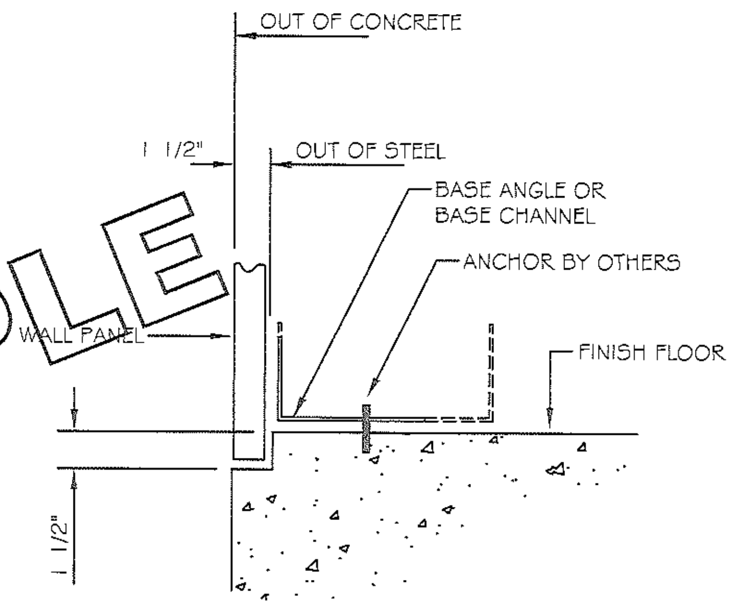


SECTION

DELTA Consolidated, LLC	BUILDING DETAILS Trim Installation Downspout	S4.5



CORNER TRIM



BASE DETAIL

DELTA
Consolidated, LLC

BUILDING DETAILS
Trim Installation
Corner
Base Angle - Base Channel

54.9