Date of Addendum: April 22, 2026
Squaxin Island Tribe
RFP ID: SIT-SCD-2026-003
Skookum Creek Solar PV Installation & BESS Integration
Shelton, WA

NOTICE TO ALL POTENTIAL RESPONDENTS
The Request for Proposals (RFP) is modified as set forth in this Addendum. The original RFP documents and any previously issued addenda remain in full force and effect, except as modified by this addendum, which is hereby made part of the RFP. Respondent shall take this Addendum into consideration when preparing and submitting its Proposals

PROPOSAL SUBMITTAL DEADLINE
This addendum does not amend the due date or time for submission of Requests for Proposal, which continue to be due on May 1, 2026, prior to 4:00 PM.

1.0 RFQ		
Item	**Section**	**Description of Change**
1.1	No Changes	No Changes
2.0 Questions and Answers		
The following questions and answers are provided as a matter of information to clarify issues raised about the RFQ.		
Item	**Questions and Answers**	
2.1	Can bidders only submit for the solar portion of the project? *Response (ChadB): Yes. The Tribe will accept bids for only the solar portion of the project. Bidders are advised if pursuing this option to read the appropriate section of the RFP outlining wage requirements that are different if a solar only project, with no federal funding involved.* *The Federal trigger on the project is the BESS. This is an add alternate. If you are interested in the solar portion of the project, please consider submitting a proposal for only that portion, and simply decline to bid on the BESS. If we only award the solar project, its WA Commerce funded exclusively, and its a pretty strait forward prevailing wage project and the federal requirements don't apply.*	
2.2	What is the railroad ROW impact? *Response (ChadB): The Tribe will verify the Railroad ROW near the project site prior to any contract execution for construction.*	

2.3	Is performance and payment bonding required? *Response (ChadB): Yes. For state or federal projects over $150,000, P&P bonding is required. Please including any bonding expenses within your cost proposal. Provide a letter from your surety with your proposal that demonstrates your ability to meet the bonding requirements for the project.*
2.4	Is there an expectation that the Tribe will require indemnification from the vendor for any federal tax credit eligibility? *Response (ChadB): The Tribe was not looking for a guarantee on the tax credits from a selected vendor on this project. We are working with Lawyers for Good Government (L4GG) who help with reviewing all our energy projects for eligibility and the application process for any tax credits. I completely agree that certainty is in short supply when it comes to eligibility and its higher risk. I included the key FEOC elements in the RFP for transparency for vendors to gauge the impact of time and cost to support the additional documentation and certification needs in a bid if the BESS system is awarded, as that portion of the project will be funded by the Tribe.*

3.0 Attachments	
The following attachments are included within this Addendum	
Item	**Attachment**
3.1	Prebid walk through Meeting Sign-In Sheet
3.2	Pre-Submittal Informational Meeting Agenda & additional technical specifications
3.3	Building Structural Plans Set (complete)
3.X	Structural Evaluation Report (Mc2 Engineering) is still pending!

END OF ADDENDUM

SQUAXIN ISLAND TRIBE

Squaxin Island Tribe
Department of Planning and Community Development
10 SE Squaxin Ln, Shelton, WA 98584

Agenda: Mandatory Facility Walkthrough

Project: Skookum Creek Solar PV Installation & Battery Storage Integration

Date: Tuesday, April 14, 2026

Time: 10:00 AM – 11:00 AM PST

Location: Skookum Creek Tobacco Factory (Main Entrance)

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1. Sign-In & Project Overview (10:00 AM – 10:10 AM)

- Mandatory Sign-In: Verification of attendance for RFP eligibility.
- Funding & Dual-Track Compliance: Briefing on the primary funding through the Washington State Department of Commerce.
- Award Scenarios: * Scenario A (BESS Awarded): Funded by Tribal funds; federal Davis-Bacon wages and PFE certifications prevail as federal tax credits (Elective Pay) will be pursued for these funds.
    - Scenario B (No BESS): Project defaults to State RCW prevailing wage standards, L&I filings, and Buy American/Washington preferences.

2. Site Inspection (10:10 AM – 10:40 AM)

- Rooftop & Structural: Review of solar footprint and skylight/HVAC maintenance pathways. Note: A formal structural assessment provided by the Tribe will be finalized before contract award.
- Electrical Room: Inspection of 480V 3-phase service and interconnection points for Mason County PUD #3.
- BESS Footprint: Viewing of the proposed area for the 500 kWh battery storage unit.

3. Compliance, Bonding & Submission (10:40 AM – 10:55 AM)

- Universal Requirements: Weekly certified payroll, 100% Performance & Payment bonding, and 5% retainage are mandatory for both scenarios.
- Submission Prerequisite: Contractors must provide a Letter of Eligibility (bondability) from their surety with their RFP response.
- PFE & Federal Standards: Briefing on Prohibited Foreign Entity (PFE) requirements and federal compliance necessary if the BESS is awarded.

4. Q&A and Closing (10:55 AM – 11:00 AM)

- Addendum Notice: All conditions, technical questions, and site-specific clarifications discussed during this walkthrough will be formally documented in Addendum No. 1, to be issued following the session.
- Final reminder: Proposals are due May 1, 2026, at 4:00 PM PST.

Lead Facilitator: Chad Bedlington, PCD Director

Technical Addendum

Building-specific data points gathered from the Skookum Creek Solar Proposal Packet and the Grant Application (Scope of Work).

Technical Facility Overview (Addendum)

Category	Technical Specification
Facility Address	1041 W State Route 108, Shelton, WA 98584
Building Type	Commercial Distribution Warehouse (Tobacco)
Roof Type	Metal Roof (Sloped/Industrial)
Power Supply	480V 3-Phase Service
Annual Consumption	835,560 kWh (Baseline)
Proposed Offset	38% of annual facility usage
Utility Provider	Mason County PUD #3
Roof Obstructions	HVAC Units and Skylights
System Size	343.44 kW DC / 199.8 kW AC
Equipment Spec	648 Bifacial Modules / 2 Inverters

Specific Details for Contractor:

- **Interconnection Strategy:** The facility utilizes a **480V 3-phase** electrical service. The proposed design uses two (2) 100kW SolarEdge Commercial Inverters. Contractors should verify the space in the main electrical room for these units and the required AC disconnects.
- **Roof Orientation & Access:** The layout maximizes solar density while maintaining mandatory clear access pathways to accommodate **skylights** and **HVAC units**. These pathways must be maintained in the final design to allow for ongoing facility maintenance.
- **Structural Note:** While the Tribe is providing a formal structural assessment prior to the contract award, contractors should note the existing metal roof profile during the walkthrough to determine preferred mounting hardware (e.g., S-5 clamps or similar non-penetrating solutions).
- **Net Metering Cap:** The AC output is intentionally limited to **199.8 kW** to coordinate with the utility's specific grid-tied programs for systems sized up to 200kW AC. The BESS (Battery Storage) is intended to manage the production peaks that occur during high-irradiance windows.

- **PUD #3 Coordination:** Bidders must demonstrate a plan for navigating PUD #3's specific interconnection queue and requirements for systems over 100kW.

Walkthrough Checklist for Vendors

1. **Point of Interconnection (POI):** Locate the main switchgear and confirm spare breaker capacity or the need for a line-side tap.
2. **Cable Runs:** Identify the most efficient conduit path from the roof to the electrical room.
3. **BESS Footprint:** Evaluate the exterior ground-mount location for the 500kWh battery cabinet, ensuring proximity to the POI to minimize voltage drop.
4. **Structural Integrity:** Visually inspect roof seams and support purlins (to be verified later by the Tribe's structural report).

CONTRACTOR SIGN-IN SHEET

Skookum Creek Solar PV & Battery Storage Integration

RFP ID: SIT-SCD-2026-003
Date: April 14, 2026 | **Time:** 10:00 AM
Location: Skookum Creek Tobacco Warehouse

MANDATORY ATTENDANCE NOTICE

Attendance at this facility walkthrough is mandatory for all firms intending to submit a proposal. Failure to sign this sheet and remain present for the full briefing will result in the disqualification of your firm's proposal.

Company Name	Representative Name	Email Address	Phone Number	Signature
A&R Solar	Andy Yotteau	andy@a-rsolar.com	425-941-6272	
South sound solar	Jesse Channel	chad ~~Jesse~~ @ southsoundsolar.com	360-352-7869	
Greg Snow Sovereign Solutions	Keith Graepler	Keith @ GS3Energy.com	816-730-5718	
EcotechSolar	SeanObuchowski	ty@ecotechsolar.com	760-658-1232	
PUGET SOUND SOLAR	Will Sumner	will@pugetsoundsolar.com	(206) 641-1542	

BUILDER / CONTRACTOR RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO INSURE THAT ALL PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT.

THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.

APPROVAL OF THE MANUFACTURER'S DRAWINGS AND CALCULATIONS INDICATE THAT THE BUILDING MANUFACTURER CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.2.1 AISC CODE OF STANDARD PRACTICES, 9TH ED.)

WHERE DISCREPANCIES EXIST BETWEEN THE MANUFACTURER'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE 9TH ED.)

DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY THE BUILDING MANUFACTURER ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN THE BUILDING MANUFACTURER'S ENGINEERS UNLESS SPECIFICALLY INDICATED.

THE CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH THE BUILDING MANUFACTURER'S "FOR ERECTOR INSTALLATION" DRAWINGS.

PRODUCTS SHIPPED TO BUILDER OR HIS CUSTOMER SHALL BE INSPECTED BY BUILDER IMMEDIATELY UPON ARRIVAL.

CLAIMS FOR SHORTAGES OR DEFECTIVE MATERIAL IF NOT PACKAGED MUST BE MAILED TO THE MANUFACTURER IN WRITING WITHIN FIVE (5) DAYS AFTER RECEIPT OF THE SHIPMENT. HOWEVER, IF A DEFECT IS OF SUCH A NATURE THAT REASONABLE VISUAL INSPECTION WOULD FAIL TO DISCLOSE IT, THEN THE CLAIM MUST BE MADE WITHIN FIVE (5) DAYS AFTER THE BUILDER LEARNS OF THE DEFECT. THE MANUFACTURER WILL NOT BE LIABLE FOR ANY DEFECT UNLESS CLAIM IS MADE WITHIN ONE (1) YEAR AFTER DATE OF THE ORIGINAL SHIPMENT BY THE MANUFACTURER TO BUILDER OR HIS CUSTOMER. THE MANUFACTURER WILL BE GIVEN A REASONABLE OPPORTUNITY TO INSPECT DEFECTIVE MATERIALS UPON RECEIPT OF CLAIM BY BUILDER.

IF A DEFECT IS OF SUCH NATURE THAT IT CAN BE REMEDIED BY A FIELD OPERATION AT THE JOB SITE WITHOUT THE NECESSITY OF RETURNING THE MATERIAL TO THE MANUFACTURER, THEN UPON WRITTEN AUTHORIZATION OF THE MANUFACTURER THE BUILDER MAY REPAIR OR CAUSE THE MATERIAL TO BE REPAIRED AND THE MANUFACTURER WILL REIMBURSE THE BUILDER FOR THE COST OF THE REPAIR IN ACCORDANCE WITH THE WRITTEN AUTHORIZATION.

UNLESS NOTED OTHERWISE, ALL BRACING AS SHOWN AND PROVIDED BY THE MANUFACTURER FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.

TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE THE STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION OR COLLISION. (SECT. 7.9.1 AISC CODE OF STANDARD PRACTICE, 9TH ED.)

DESIGN OF GUTTER AND DOWNSPOUT IS A FUNCTION OF THE RAINFALL INTENSITY AND AREA TO BE DRAINED. DESIGN PARAMETERS UTILIZED ARE IN ACCORDANCE WITH THE 2002 LOW RISE BUILDING SYSTEMS MANUAL AND/OR THE 9TH EDITION OF THE ARCHITECTURAL GRAPHIC STANDARDS, AS APPLICABLE. PROPER OWNER MAINTENANCE DICTATES THAT THE DRAINAGE SYSTEM BE KEPT FREE AND CLEAR OF DEBRIS AND/OR ICE AT ALL TIMES TO ENSURE PROPER FUNCTION OF THE GUTTER AND DOWNSPOUT. IN THOSE CASES WHERE THE OWNER/TENANT OF A PROPERTY IS UNWILLING OR UNABLE TO PROVIDE PROPER MAINTENANCE, ELIMINATION OF GUTTER SHOULD BE CONSIDERED AS AN ALTERNATIVE.

PRODUCT CERTIFICATIONS

THE BUILDING MANUFACTURER IS A MEMBER OF THE METAL BUILDING MANUFACTURERS ASSOCIATION.

THE BUILDING MANUFACTURER'S FABRICATION AND PRODUCTS ARE COVERED BY ONE OR MORE OF THE FOLLOWING CERTIFICATIONS:

1. APPROVED FABRICATOR OF PREFABRICATED BUILDINGS AND COMPONENTS. REFERENCE IAS (FA-337).
2. SBCCI COMPLIANCE REPORT NO. 9461A
3. CERTIFICATION OF MANUFACTURES OF STEEL BUILDING SYSTEMS A660
4. CITY OF HOUSTON APPROVED FABRICATOR (REGISTRATION NO. 164)
5. WISCONSIN PRODUCT APPROVAL NUMBER 200231-M
6. CLARK COUNTY, NEVADA APPROVED FABRICATOR
7. CITY OF LOS ANGELES, CALIFORNIA APPROVED TYPE 1 FABRICATOR (LA#1604)
8. CANADIAN WELDING BUREAU CERTIFICATION TO CSA STANDARD W47.1-03 IN DIVISION 1 (HOUSTON, TX)
9. TEXAS DEPT. OF INSURANCE PRODUCT EVALUATION RC-15

APPROVAL NOTES

THE FOLLOWING CONDITIONS APPLY IN THE EVENT THAT THESE DRAWINGS ARE USED AS APPROVAL DRAWINGS:

A) IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS:

1) BE MADE IN CONTRASTING INK.

2) HAVE ALL INSTANCES OF CHANGE CLEARLY INDICATED.

3) BE LEGIBLE AND UNAMBIGUOUS.

B) DATED SIGNATURE IS REQUIRED ON ALL PAGES.

C) MANUFACTURER RESERVES THE RIGHT TO RE-SUBMIT DRAWINGS WITH EXTENSIVE OR COMPLEX CHANGES REQUIRED TO AVOID MISFABRICATION. THIS MAY IMPACT THE DELIVERY SCHEDULE.

D) APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT THE MANUFACTURER HAS CORRECTLY INTERPRETED THE CONTRACT REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN, OR AS DRAWN WITH INDICATED CHANGES REPRESENTS THE TOTAL OF THE MATERIALS TO BE SUPPLIED BY MANUFACTURER.

E) ANY CHANGES NOTED ON THE DRAWINGS NOT IN CONFORMANCE WITH THE TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND ITS CUSTOMER ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION. MANUFACTURER RECOGNIZES THAT RUBBER STAMPS ARE ROUTINELY USED FOR INDICATING APPROVAL, DISAPPROVAL, REJECTION, OR MERE REVIEW OF THE DRAWINGS SUBMITTED. HOWEVER, MANUFACTURER DOES NOT ACCEPT CHANGES OR ADDITIONS TO CONTRACTUAL TERMS AND CONDITIONS THAT MAY APPEAR WITH USE OF A STAMP OR SIMILAR INDICATION OF APPROVAL, DISAPPROVAL, ETC. SUCH LANGUAGE APPLIED TO MANUFACTURER'S DRAWINGS BY THE CUSTOMER, ARCHITECT, ENGINEER, OR ANY OTHER PARTY WILL BE CONSIDERED AS UNACCEPTABLE ALTERATIONS TO THESE DRAWING NOTES, AND WILL NOT ALTER THE CONTRACTUAL RIGHTS AND OBLIGATIONS EXISTING BETWEEN MANUFACTURER AND ITS CUSTOMER.

BOLT TIGHTENING

THE PROPER TIGHTENING AND INSPECTION OF ALL FASTENERS IS THE RESPONSIBILITY OF THE ERECTOR. ALL HIGH STRENGTH (A325, A490) BOLTS AND NUTS MUST BE TIGHTENED BY THE "TURN-OF THE NUT" METHOD UNLESS OTHERWISE SPECIFIED BY THE END CUSTOMER IN THE CONTRACT DOCUMENTS, OR AS ALLOWED BY THE PROVISIONS BELOW. INSPECTION OF HIGH STRENGTH BOLT AND NUT INSTALLATION BY OTHER THAN THE ERECTOR MUST ALSO BE SPECIFIED IN THE CONTRACT DOCUMENTS AND THE ERECTOR IS RESPONSIBLE FOR ENSURING THAT THE INSTALLATION AND INSPECTION PROCEDURES ARE COMPATIBLE PRIOR TO THE START OF ERECTION. (MBMA '96 IV. 6.9)

ACCORDING TO AISC AND RCSC, AS LONG AS THE BOLT HOLES ARE NOT OVERSIZED OR SLOTTED, SNUG-TIGHTENED BOLTS, (A325 ONLY), ARE PERMITTED EXCEPT IN BUILDINGS SUPPORTING CRANES EXCEEDING A 5 TON CAPACITY OR IN BUILDINGS LOCATED IN SEISMIC DESIGN CATEGORIES D AND GREATER. IT IS IMPORTANT TO CHECK WITH THE LOCAL BUILDING AUTHORITY ON THE USE OF "SNUG-TIGHTENED" BOLTS SINCE THE MODEL CODE GROUPS (BOCA,SBCCI, AND ICBO), HAVE NOT YET FORMALLY ADOPTED THIS CHANGE.

SAFETY COMMITMENT

THE BUILDING MANUFACTURER HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF THE BUILDING MANUFACTURER.

IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE.

LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, WHETHER STANDARD STATUTARY OR CUSTOMARY, SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKER SAFETY.

MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING.

EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES.

DAILY MEETINGS HIGHLIGHTING SAFETY PROCEDURES ARE ALSO RECOMMENDED. THE USE OF HARD HATS, RUBBER SOLE SHOES FOR ROOF WORK, PROPER EQUIPMENT FOR HANDLING MATERIAL, AND SAFETY NETS WHERE APPLICABLE, ARE RECOMMENDED.

FOR PURPOSES OF DETERMINING LIFT REQUIREMENTS, NO BUNDLE SUPPLIED BY NCI WILL EXCEED 4,000 POUNDS. FOR FURTHER INFORMATION ALSO REFERENCE THE BILL OF MATERIALS FOR INDIVIDUAL MEMBER WEIGHTS OF OTHER STRUCTURAL MEMBERS. IF ADDITIONAL INFORMATION IS REQUIRED CONTACT THE CUSTOMER SERVICE DEPARTMENT AT 800-777-9378.

ICE AND SNOW REMOVAL

EXCESSIVE ICE AND SNOW SHOULD BE REMOVED FROM ROOF IMMEDIATELY TO PREVENT DAMAGE TO ROOF AND POSSIBLE COLLAPSE. DO NOT USE METAL TOOLS TO REMOVE THE ICE OR SNOW AS THIS CAN DAMAGE THE PAINT AND/OR GALVALUME COATINGS. ALSO, BE CAREFUL AROUND PLUMBING PIPES AND FLASHINGS.

BE EXTREMELY CAREFUL IF YOUR ROOF HAS LIGHT TRANSMITTING PANELS. THESE PANELS WILL NOT SUPPORT A PERSON'S WEIGHT AND WILL BE DIFFICULT OR IMPOSSIBLE TO SEE IF THEY ARE COVERED WITH ICE AND SNOW. SEE 2002 MBMA LOW-RISE BUILDING SYSTEMS MANUAL APPENDIX A8 FOR DETAILS SNOW REMOVAL PROCEDURES. THESE PROCEDURES SHOULD COMMENCE WHEN HALF OF THE DESIGN ROOF SNOW LOAD SHOWN ON THIS SHEET IS REALIZED.

DEBRIS REMOVAL

ANY FOREIGN DEBRIS SUCH AS SAWDUST, DIRT, LEAVES, ANIMAL DROPPINGS, ETC. WILL CAUSE CORROSION OF THE ROOF, GUTTERS, TRIM, ETC. IF LEFT ON BUILDING SURFACE FOR A LONG ENOUGH TIME. THE ROOF SHOULD BE PERIODICALLY INSPECTED FOR SUCH CONDITIONS AND IF FOUND, THEY SHOULD BE RECTIFIED IN A MANNER CONSISTENT WITH THESE ROOF MAINTENANCE GUIDELINES. NEVER ALLOW TREATED LUMBER OR CONCRETE/MORTAR/GROUT TO COME IN CONTACT WITH ROOF PANELS, ESPECIALLY GALVALUME®, FOR EXTENDED PERIODS OF TIME.

PERIODIC INSPECTION

ALL HIGH-STRENGTH BOLTS SHALL BE PERIODICALLY INSPECTED FOR TIGHTNESS, PARTICULARLY IN CRANE BUILDINGS AND AFTER ANY SEISMIC ACTIVITY OR WIND ACTIVITY. THE CRANE MANUFACTURER WILL SPECIFY A MINIMUM PERIOD, BUT IT SHOULD NOT EXCEED 2 YEARS.

GENERAL NOTES

THE STRUCTURE UNDER THIS CONTRACT HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE CONTRACT AND SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE AND DIRECTION OF A REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. THE BUILDING MANUFACTURER WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.

THIS METAL BUILDING IS DESIGNED WITH THE BUILDING MANUFACTURER'S STANDARD PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES.

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION: "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
2. AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
3. AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.1.
4. AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.3
5. METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL"
6. INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS: "UNIFORM BUILDING CODE"
7. SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL: "STANDARD BUILDING CODE"
8. BUILDING OFFICIAL AND CODE ADMINISTRATORS INTERNATIONAL: "BOCA NATIONAL BUILDING CODE"
9. NATIONAL BUILDING CODE OF CANADA.
10. INTERNATIONAL BUILDING CODE (IBC)

MATERIAL PROPERTIES OF STEEL PLATE USED IN THE FABRICATION OF PRIMARY RIGID FRAMES, AND OTHER PRIMARY STRUCTURAL EXCLUSIVE OF COLD-FORMED SECTIONS, CONFORM TO ASTM-A529 OR A-572, GRADES WITH THICKNESS OF 1" INCH OR LESS AND WIDTH OF 12" OR LESS CONFORM TO A-529 WITH A MINIMUM YIELD POINT OF 50,000 PSI. FLANGES GREATER THAN 3/8" IN THICKNESS AND 12" IN WIDTH CONFORM TO A-572 WITH A MINIMUM YIELD POINT OF 50,000 PSI. FLANGES WITH A THICKNESS GREATER THAN 1" THICK AND A WIDTH LESS THAN 12" CONFORM TO A-572 WITH A MINIMUM YIELD POINT OF 50,000 PSI. WEB MATERIAL LESS THAN 1/4",THICK CONFORMS TO ASTM-A1011 WITH A MINIMUM YIELD POINT OF 50,000 PSI. WEB MATERIAL 1/4" THICK AND GREATER CONFORM TO A-572 WITH A MINIMUM YIELD POINT OF 50,000 PSI. MATERIAL PROPERTIES OF PIPE SECTIONS CONFORM TO ASTM-A53 TYPE E, GRADE B WITH A MINIMUM YIELD POINT OF 35,000 PSI.

MATERIAL PROPERTIES OF HOT ROLLED STEEL MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM-A992 OR A-572 WITH A MINIMUM YIELD POINT OF 50,000 PSI.

MATERIAL PROPERTIES OF COLD FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO ASTM-A1011 GRADE 55 MODIFIED WITH A MINIMUM YIELD POINT OF 57,000 PSI.

MATERIAL PROPERTIES OF ROOF/WALL SHEETING, BASE METAL CONFORM TO ASTM-A792 GRADES 50 OR 80 WITH MINIMUM YIELD POINTS OF 50,000 PSI AND 80,000 PSI RESPECTIVELY, AS REQUIRED BY DESIGN. COATING OF BASE MATERIAL IS SG55 ALUMINUM-ZINC ALLOY IN ACCORDANCE WITH A255 FOR UNPAINTED OR A250 FOR PAINTED SPECIFICATIONS.

CABLE UTILIZED FOR BRACING CONFORMS TO ASTM A475. CABLE BRACING IS TO BE INSTALLED TO A TAUT CONDITION WITH ALL SLACK REMOVED.

ROD AND ANGLE UTILIZED FOR BRACING MEMBERS CONFORM TO ASTM A36.

STRUCTURAL JOINTS WITH ASTM A-325 HIGH STRENGTH BOLTS, WHERE INDICATED ON THE DRAWINGS, SHALL BE ASSEMBLED AND THE FASTENERS TIGHTENED IN ACCORDANCE WITH THE BOLT TIGHTENING PROCEDURE INDICATED BELOW. ALL JOINTS WILL BE ASSEMBLED WITHOUT WASHERS UNLESS OTHERWISE NOTED.

ALL STEEL MEMBERS EXCEPT BOLTS, FASTENERS AND CABLE SHALL RECEIVE ONE SHOP COAT OF IRON OXIDE CORROSION INHIBITIVE PRIMER, MEETING THE PERFORMANCE REQUIREMENTS OF SSPC PAINT SPECIFICATION #15.

SHOP AND FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS STIPULATED OTHERWISE IN THE CONTRACT.

ROOF MAINTENANCE GUIDELINES

- WALK IN THE FLAT OF THE PANELS NEAR THE STRUCTURAL SUPPORTS.
- KEEP ROOF, GUTTERS AND DOWNSPOUTS FREE OF DEBRIS.
- INSPECT ROOF FOR DAMAGE AFTER HEAVY STORMS.
- REMOVE EXCESSIVE ICE AND SNOW ACCUMULATIONS AS NECESSARY.
- INSPECT AND RESEAL AS NECESSARY ALL ROOF CURBS AND OTHER PENETRATIONS WITH URETHANE SEALANT.
- ALWAYS GET MANUFACTURER APPROVAL BEFORE MAKING ANY MODIFICATIONS TO THE ROOF.
- REPAINT ANY AREAS THAT ARE SUSCEPTIBLE TO RUST AS REQUIRED. WHEN PERFORMING ROOF MAINTENANCE, ALWAYS TAKE THE FOLLOWING PRECAUTIONS:
- USE FALL PROTECTION AND OTHER SAFETY EQUIPMENT AS REQUIRED.
- DO NOT WALK ON ROOF FLASHINGS SUCH AS GUTTER, RAKE, HIP OR RIDGE FLASH.
- DO NOT WALK ON LIGHT TRANSMITTING PANELS (LITPS). THEY WILL NOT SUPPORT A PERSON'S WEIGHT.
- GUARD ALL LITPS AND ROOF OPENINGS.
- STEP ONLY IN THE PANEL FLAT DIRECTLY ON OR IN CLOSE PROXIMITY TO A SUPPORTING ROOF STRUCTURAL.
- AFTER A FIRE, VANDALISM OR KNOWN DAMAGE TO AN ADJACENT ROOF AREA.
- EXPOSURE TO SEVERE WEATHER CONDITIONS, INCLUDING HIGH WINDS, HAIL OR ABNORMALLY HEAVY RAINS OR ICE AND SNOW.
- AFTER OTHER TRADES HAVE BEEN ON THE ROOF FOR ANY REASON, INSPECT THE ROOF FOR DAMAGE CAUSED BY WORKERS INCLUDING CHEMICAL OR SOLVENT SPILLS, SCRATCHES IN THE PAINT OR GALVALUME®COATING, EXCESSIVE FOOT TRAFFIC AND PUNCTURES. MAKE SURE THAT ANY DEBRIS OR SCRAP LEFT BEHIND BY THE WORKERS IS REMOVED FROM THE ROOF IMMEDIATELY. AVOID USING CUTOFF SAWS AND WELDING EQUIPMENT OVER THE ROOF. IN CASES WHERE THIS IS NOT POSSIBLE, THE ROOF MUST ADEQUATELY PROTECTED.

FOOT TRAFFIC

KEEP FOOT TRAFFIC TO A MINIMUM. HEAVY FOOT TRAFFIC CAN CAUSE PONDING ON LOW PITCHED ROOFS. THIS IS PARTICULARLY TRUE JUST UPSLOPE FROM THE EAVE AND AT ENDLAPS. ALWAYS WALK IN THE FLAT OF THE PANEL NEAR A SUPPORTING ROOF STRUCTURAL. DO NOT WALK ON TRIM OR IN GUTTERS. ON BARE GALVALUME® ROOFS, EXCESSIVE FOOT TRAFFIC MAY CAUSE BLACK BURNISH MARKS. IF REGULAR FOOT TRAFFIC IS PLANNED FOR A ROOF, PROVISIONS SHOULD BE MADE FOR A PROPERLY DESIGNED AND INSTALLED ROOF WALKWAY SYSTEM. IN ORDER TO LIMIT ACCESS TO THE ROOF, ROOF HATCHES OR ACCESS LADDERS SHOULD BE LOCKED AT ALL TIMES. A SIGN SHOULD BE POSTED AT THE POINT OF ACCESS, STATING THAT ONLY AUTHORIZED PERSONNEL ARE ALLOWED ONTO THE ROOF. IN ADDITION, A LOG BOOK SHOULD BE KEPT OF ALL VISITS TO THE ROOF AND THE REASON FOR SUCH VISITS.

DRAINAGE

- KEEP ROOF FREE OF DEBRIS AND KEEP DEBRIS OUT OF GUTTER TO ALLOW WATER TO QUICKLY DRAIN FROM ROOF.
- DO NOT USE WOOD BLOCKING TO HOLD EQUIPMENT OFF OF PANEL SEAMS. THIS BLOCKS THE FLOW OF WATER AND HOLDS MOISTURE.
- DO NOT ALLOW ROOFTOP AC UNITS OR EVAPORATIVE COOLERS TO DRAIN ONTO THE ROOF.
- ANYTHING THAT TRAPS OR HOLDS MOISTURE ON A ROOF WILL CAUSE PREMATURE CORROSION.

POST-ERECTION ROOF CLEANING

AFTER ROOF INSTALLATION IS COMPLETE, ALL FILINGS, SHAVINGS, ETC. FROM FASTENER INSTALLATION ETC. SHALL BE SWEPT COMPLETELY CLEAR OF THE ROOF PANELS. IF THIS DOES NOT HAPPEN, THE MANUFACTURER WILL NOT BE HELD RESPONSIBLE FOR ANY RESULTING CORROSION.

DISSIMILAR METALS

NEVER ALLOW YOUR ROOF TO COME IN CONTACT WITH, OR WATER RUNOFF FROM, ANY DISSIMILAR METAL INCLUDING BUT NOT LIMITED TO: COPPER, LEAD OR GRAPHITE. THIS INCLUDES COPPER AND ARSENIC SALTS USED IN TREATED LUMBER, CALCIUM USED IN CONCRETE, MORTAR AND GROUT.

PAINT AND COATING INFORMATION

REMOVE SMUDGE MARKS FROM BARE GALVALUME®, FORMULA 409 HAS PROVEN TO BE SOMEWHAT EFFECTIVE. LIGHTLY RUB WITH A CLEAN CLOTH AND RINSE WITH WATER. DO NOT RUB MORE THAN REQUIRED TO REMOVE SMUDGE. NO PRODUCT WILL REMOVE ALL SMUDGE MARKS. REMOVE RUST STAINS. SOFT SCRUB HAS PROVEN TO BE SOMEWHAT EFFECTIVE. LIGHTLY RUB WITH A SOFT CLOTH AND RINSE WITH WATER. DO NOT RUB MORE THAN REQUIRED TO REMOVE STAIN. NO PRODUCT WILL COMPLETELY REMOVE RUST STAINS. TO TOUCH-UP SCRATCHES IN PAINT (NOT TO BARE METAL),CLEAN AREA TO BE PAINTED WITH MINERAL SPIRITS. RINSE THOROUGHLY AND DRY. USING A SMALL ARTIST'S BRUSH, LIGHTLY APPLY THE ABSOLUTE MINIMUM AMOUNT OF TOUCH-UP PAINT REQUIRED TO FILL THE SCRATCH. USE ONLY TOUCH-UP PAINT SUPPLIED BY MANUFACTURER.

ENGINEERING NOTES

BUILDING DESCRIPTION:

BUILDING ID	WIDTH	LENGTH	HEIGHT	ROOF PITCH	ENDWALL FRAME TYPE LEFT	ENDWALL FRAME TYPE RIGHT
BLDG.'A'	100-0	275-0	25-4	1 1/2:12	BEARING FRAME	BEARING FRAME
BLDG. "B"	24-0	72-0	15-0 LSW/17-0 HSW	1:12	EXPANDABLE FRAME	EXPANDABLE FRAME

WARNING: IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD, COPPER, PORTLAND CEMENT, OR TREATED LUMBER. THESE MATERIALS HAVE HARMFUL CORROSIVE EFFECTS ON THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM THESE MATERIALS INCLUDING FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.

BASE CONDITION	SHEETING			BLANKET TYPE INSULATION
NO SHEETING RECESS	24 GA.	DOUBLE LOK/CLASSR	ROOF	NONE [ ] BY MANUFACTURER [ ] BY OTHERS [X] ROOF 4" WALL [ ] UL-25 [ ]
W/B. CHANNEL & B. FLASH	26 GA.	PBR/AGRAY	WALL	SCREWS:SELF DRILLING

TAPE SEAL		TRIM (1/8" POP RIVETS AT SPLICES)			MEMBER ROOF **	STITCH ROOF **	ANCHOR RODS
1/2" [ ] **		26 Ga.	CORAY	RAKE	MEMBER WALL #12-14 x 1 1/4 SDS	STITCH WALL #1/4 x 7/8 Laplok	BY OTHERS [X]
1" [ ]		26 GA.	CORAY	EAVE	RAKE TO ROOF **	RAKE TO WALL **	BY BUILDING MANUFACTURER [ ]
WARRANTIES		26 GA.	CORAY	GUTTER	GUTTER TO ROOF **	GUTTER STRAPS **	
U.L. 90	NO	26 GA.	CORAY	DOWNSPOUTS	CORNER TRIM STITCH	RAKE ANGLE STITCH	
20 YR ROOF	YES	26 GA.	AGRAY	CORNER	PRIMARY [X] RED [ ] GRAY [ ] GALV.		
20 YR WALL	YES	26 GA.	CORAY	ACCESSORIES	SECONDARY [X] RED [ ] GRAY [ ] GALV.		

** SEE DOUBLE LOK MANUAL (LOW FLOATING CLIP)

BUILDING LOADS

N/A — APPLICABLE INTERIOR ZONE FM RATING (- ----- PERIMETER & CORNER ZONES PER FM DATA SHEET 1-28, TABLE 6.

THIS IS TO CERTIFY THAT THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY THE BUILDING CODE SHOWN BELOW. THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY THE BUILDING MANUFACTURER AND AS SPECIFIED IN THE CONTRACT. ACCESSORY ITEMS SUCH AS DOORS, WINDOWS, LOUVERS, TRANSLUCENT PANELS, AND VENTILATORS ARE NOT INCLUDED. ALSO EXCLUDED ARE OTHER PARTS OF THE PROJECT NOT PROVIDED BY THE BUILDING MANUFACTURER SUCH AS FOUNDATIONS, MASONRY WALLS, MECHANICAL EQUIPMENT AND THE ERECTION OF THE BUILDING. THE BUILDING SHOULD BE ERECTED ON A PROPERLY DESIGNED FOUNDATION IN ACCORDANCE WITH THE BUILDING MANUFACTURER'S DESIGN MANUAL, THE ATTACHED DRAWINGS, AND GOOD ERECTION PRACTICES.

DESIGN CODE IBC 2006 2ND CODE -

OCCUPANCY CATEGORY NORMAL

ROOF DEAD LOAD
SUPERIMPOSED 2.71 PSF (BLDG. A) 2.88 PSF (BLDG. B)
COLLATERAL 4.00 PSF
ROOF LIVE LOAD 20.00 PSF

ROOF LIVE LOADS REDUCED IN ACCORDANCE W/ IBC 1607.11.2.1 [ ] YES [X] NO

SNOW LOAD
GROUND SNOW LOAD (Pg) 25.00 PSF
SNOW LOAD IMPORTANCE FACTOR (I) 1.00
FLAT-ROOF SNOW LOAD (Pf) 17.50 PSF (BLDG. A) 20.00 PSF (BLDG. B)
MINIMUM ROOF SNOW LOAD (Pf) 25.00 PSF
SNOW EXPOSURE FACTOR (Ce) 1.00
THERMAL FACTOR (Ct) 1.00

WIND LOAD
BASIC WIND SPEED 85.00 MPH
WIND IMPORTANCE FACTOR (I) 1.00
WIND EXPOSURE CATEGORY B
INTERNAL PRESSURE COEFFICIENT (GCPI) 0.18/-0.18
COMPONENT WIND LOAD ≤ 10FT², ZONE 4 + 11.89 PSF PRESSURE, -12.88 PSF SUCTION
COMPONENT WIND LOAD ≤ 10FT², ZONE 5 + 11.89 PSF PRESSURE, -15.88 PSF SUCTION
[ ] + ZONES PER ASCE 7-98, FIGURE 6-5A
[X] + ZONES PER ASCE 7-05, FIGURE 6-11A

SEISMIC LOAD
SEISMIC USE GROUP I
SEISMIC IMPORTANCE FACTOR (Ie) 1.00
DESIGN CATEGORY D
SITE CLASS D -STIFF SOIL
Ss 1.181 g Sds 0.809 g
S1 0.483 g Sd1 0.488 g

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

	1 - 15	A - F
COLUMN LINE		
BASIC FORCE RESISTING SYSTEM *	C4	B4
RESPONSE MODIFICATION COEFFICIENT (R)	3.50	3.25
DEFLECTION AMPLIFICATION FACTOR (Cd)	3.00	3.00
SYSTEM OVER-STRENGTH FACTOR (OMEGA)	2.50	2.00
SEISMIC RESPONSE COEFFICIENT (Cs)	-	-
ENTIRE BLDG DESIGN BASE SHEAR (V)	-	-

RAINFALL INTENSITY
5-MINUTE DURATION, 5-YEAR RECURRENCE (I1) 4 IN/HOUR
5-MINUTE DURATION, 25 YEAR RECURRENCE (I2) 6 IN/HOUR

FLOOR LOADS
SUPERIMPOSED DEAD LOAD - psf
COLLATERAL DEAD LOAD - psf
PARTITION LOAD - psf
TOTAL DEAD LOAD - psf
LIVE LOAD - psf

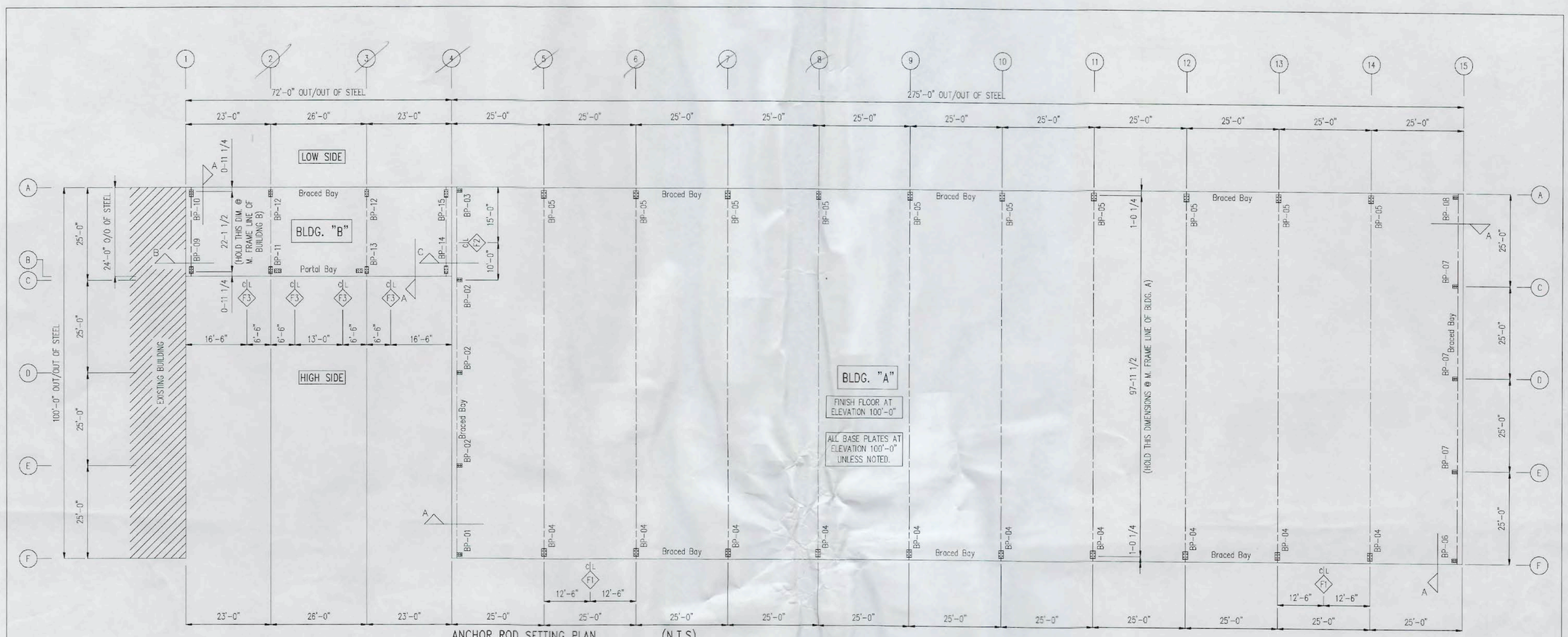
CRANE LOADS
CAPACITY & TYPE -
MAX. WHEEL LOAD -
WHEELBASE -
BRIDGE WEIGHT -
HOIST & TROLLY WEIGHT -
CRANE CLASS -

SPECIAL LOADS -

DRAWING INDEX

ISSUE	PAGE	DESCRIPTION
0	C1 of 1	COVER SHEET
0	ES-1	INSTALLATION PROCEDURES
0	F1 of 3	ANCHOR ROD PLAN
0	F2 of 3	BASE PLATE DETAILS
0	F3 of 3	REACTIONS
0	E1 of 13	ROOF FRAMING PLAN
0	E2 of 13	ROOF FRAMING PLAN
0	E3 of 13	SIDEWALL ELEVATIONS
0	E4 of 13	SIDEWALL ELEVATIONS
0	E5 of 13	SIDEWALL ELEVATIONS
0	E6 of 13	ENDWALL ELEVATIONS
0	E7 of 13	ENDWALL ELEVATIONS
0	E8 of 13	ENDWALL ELEVATIONS
0	E9 to 13	FRAME CROSS SECTION
0	S01-1	SHAKE OUT PLAN
0	NS-1 ~ NS- 10	STANDARD DETAILS

* BASIC FORCE RESISTING SYSTEM
A5 INTERMEDIATE PRE-CAST SHEAR WALLS
A6 ORDINARY PRE-CAST SHEAR WALLS
B4 ORDINARY STEEL, CONCENTRICALLY BRACED FRAME
C3 INTERMEDIATE STEEL MOMENT FRAME
C4 ORDINARY STEEL M



ANCHOR ROD SETTING PLAN (N.T.S)

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DRAWING STATUS

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- [ ] For Construction Permit
- [x] For Erector Installation

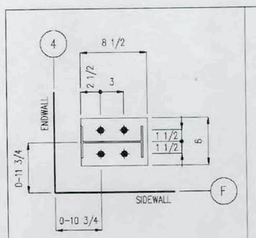
Issue	Date	Description	BY	CK'D
0	07-09-10	FOR ERECTOR INSTALLATION	CRIS	AMV

metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40339
ZIP 77041 (713) 466-7788 ZIP 77240

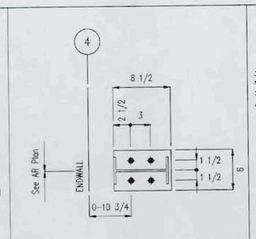
Project: Skookum Creek Tobacco
Customer: J Bar D Construction inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-09-10	N.T.S.	01	A8	0805-250514	F1 of 3	0

Release 7.4; Created on: Jul 6, 2010 at 10:33:26 am\0805\Drawings\F1.dgn



AR Dia	Column Base Detail	BP-01
5/8"		



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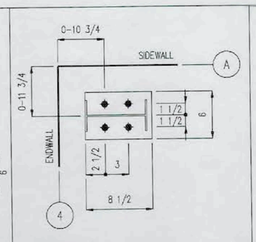
5/8"		



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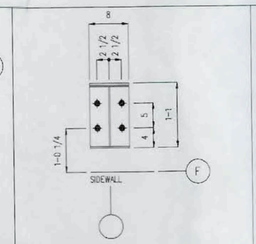
5/8"		



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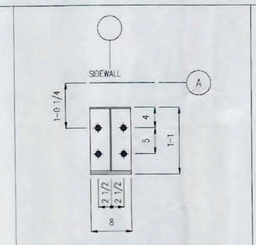
1"		



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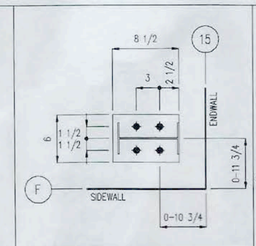
1"		



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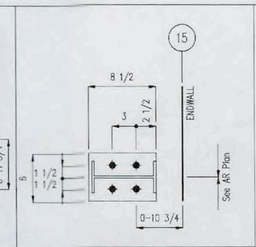
5/8"		



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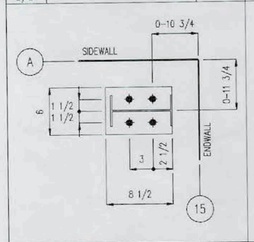
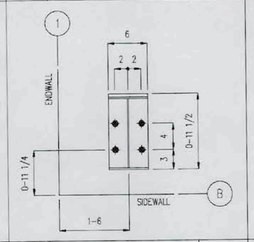
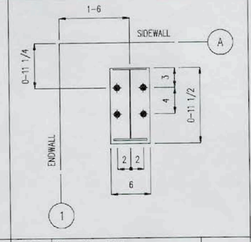
5/8"		



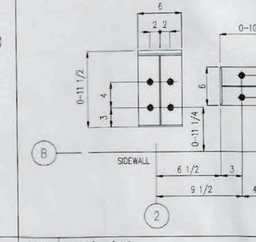
AR Dia	Column Base Detail	BP-08
5/8"		



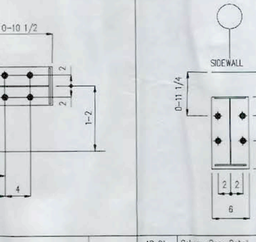
AR Dia	Column Base Detail	BP-09
3/4"		



AR Dia	Column Base Detail	BP-10
3/4"		



AR Dia	Column Base Detail	BP-11
3/4"		



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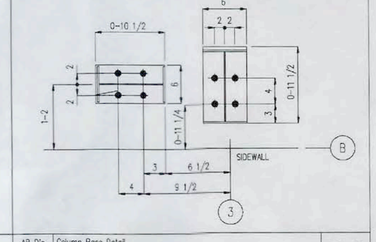
3/4"		



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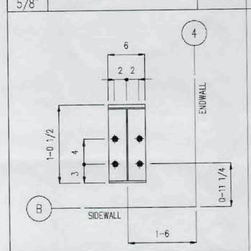
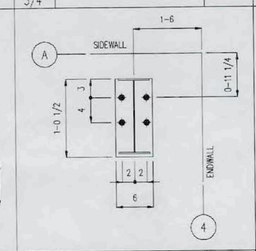
3/4"		



AR Dia	Column Base Detail	BP-14
3/4"		



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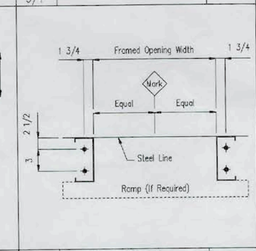
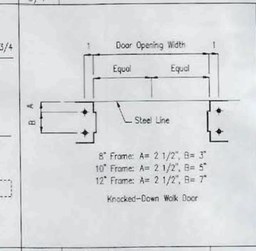
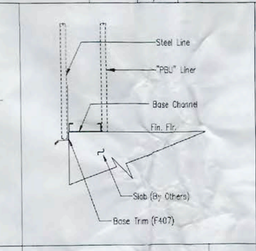
3/4"		



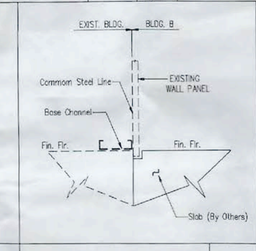
AR Dia	Framed Opening AR Layout (For SWA, EWD, EWD)	
5/8"		



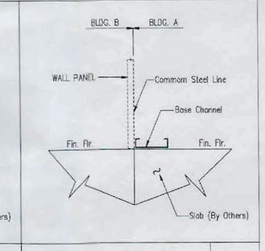
AR Dia	Walk Door AR Layout (Total Qty = 7)	
1/2"		



Base Channel W/o Concrete Notch W/BF | SEC. A



Common Wall Section | SEC. B



Common Wall Section | SEC. C

Framed Opening Schedule

MK	QTY	Description	MK	QTY	Description	MK	QTY	Description
F1	2	10'-0" x 12'-0"						
F2	ONE	12'-0" x 12'-0"						
F3	4	9'-0" x 10'-0"						

Typical Load Cases and Their Meanings

DL	Dead Load	WLR	Wind Load From Right - Case I
CL	Collateral Load	WR2	Wind Load From Right - Case II
LL	Live Load	EL	Seismic Load From Left
SL	Snow Load (Balanced)	ER	Seismic Load From Right
UBL	Unbalanced Snow Load (W/Wind From Left)	ELC	Seismic Load From Left (For Connections)
UBR	Unbalanced Snow Load (W/Wind From Right)	ERC	Seismic Load From Right (For Connections)
WL	Wind Load From Left - Case I	MZL	Mezzanine (Floor) Live Load
WL2	Wind Load From Left - Case II		

Note to Foundation Designer:

The manufacturer has determined the required anchor bolt diameter assuming full allowable combined shear and tension can be developed in the bolt in accordance with Table B5.2 of the AISC 13th Edition (Table J3.3 of the AISC 9th Edition) the Manual of Steel Construction, Allowable Stress Design assuming a Threaded part made of ASTM-A36 Steel. It is the responsibility of the foundation designer to design an anchorage system using bolts of the stated diameter that develop sufficient strength to resist the reactions given on the anchor bolt plan. This may require the addition of embedded angles, plates, or other items to allow the bolt group to develop a single resistance cone.

AR Projections	
DIA	PROJ
1/2"	1 1/2"
5/8"	2"
3/4"	2 1/2"
7/8"	3 1/2"
1"	3 1/2"
1 1/8"	3 1/2"
1 1/4"	4"

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- ☐ For Construction Permit
- ☒ For Erector Installation

Issue	Date	Description	BY	CK'D
0	07-09-10	FOR ERECTOR INSTALLATION	CRIS	AMV

METALLIC
metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc | Owner: Skookum Creek Tobacco
Location: Shelton, WA

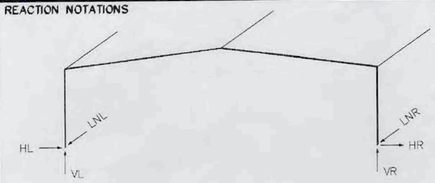
CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-09-10	N.T.S.	01	AB	0805-250514	F2 of 3	0

Metallic Building Systems FRAME DESCRIPTION: cs 100./25.334/25. 20./85./ JOB NAME: 250514aA

SUPPORT REACTIONS FOR EACH LOAD GROUP FRAME ID #01 LOCATION: frame lines 2-11

NOTES: (1) All reactions are in kips and kip-ft.
(2) The seismic overstrength factor (Omega) is not included in the "LEQ" Load Group reactions. Seismic "BASE-ONLY" combination reactions include an overstrength factor of: 2.000

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
BASE PLATE	8.0X13.0X0.625			8.0X13.0X0.625		
ANC. RODS	(4)-1			(4)-1		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	3.7	6.3	0.0	-3.7	6.3	0.0
COLL	3.5	5.0	0.0	-3.5	5.0	0.0
SNOW	21.9	31.2	0.0	-21.9	31.2	0.0
LL	17.5	25.0	0.0	-17.5	25.0	0.0
RBDWEQ	-0.1	10.2	0.0	0.1	10.2	0.0
EQ	-3.0	-1.4	0.0	-3.0	1.4	0.0
RBUPEQ	0.1	-10.2	-10.0	-0.1	-10.2	-10.0
WL1	-10.8	-14.3	0.0	5.1	-10.4	0.0
WL2	-8.2	-8.2	0.0	2.5	-4.2	0.0
WL3	-5.1	-10.4	0.0	10.8	-14.3	0.0
WL4	-2.5	-4.2	0.0	8.2	-8.2	0.0
LWL1	-7.5	-17.0	0.0	7.8	-15.2	0.0
RBUPLW	0.0	-2.5	-2.5	0.0	-2.5	-2.5
LWL2	-7.8	-15.2	0.0	7.5	-17.0	0.0
LWL3	-3.6	-10.3	0.0	3.7	-9.6	0.0
LWL4	-3.7	-9.6	0.0	3.6	-10.3	0.0
RS	13.4	12.9	0.0	-13.4	21.9	0.0
LS	13.4	21.9	0.0	-13.4	12.9	0.0
RBDWLW	0.0	2.5	0.0	0.0	2.5	0.0

LOAD GROUP DESCRIPTION

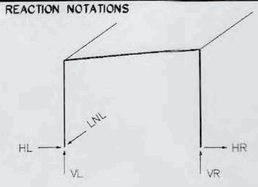
DL	:	Roof Dead Load
COLL	:	Roof Collateral Load
SNOW	:	Roof Snow Load
LL	:	Roof Live Load
RBDWEQ	:	Downward Acting Rod Brace Load from Long. Seismic
EQ	:	Lateral Seismic Load [parallel to plane of frame]
RBUPEQ	:	Upward Acting Rod Brace Load from Longit. Seismic
WL1	:	Lateral Primary Wind Load
WL2	:	Lateral Primary Wind Load
WL3	:	Lateral Primary Wind Load
WL4	:	Lateral Primary Wind Load
LWL1	:	Longitudinal Primary Wind Load
RBUPLW	:	Upward Acting Rod Brace Load from Longitud. Wind
LWL2	:	Longitudinal Primary Wind Load
LWL3	:	Longitudinal Primary Wind Load
LWL4	:	Longitudinal Primary Wind Load
RS	:	Unbalanced Right Roof Snow Load
LS	:	Unbalanced Left Roof Snow Load
RBDWLW	:	Downward Acting Rod Brace Load from Longit. Wind

Metallic Building Systems FRAME DESCRIPTION: ss 24./15./23.75 20./85./25 JOB NAME: 250514bA

SUPPORT REACTIONS FOR EACH LOAD GROUP FRAME ID #03 LOCATION: frame lines 1-3

NOTES: (1) All reactions are in kips and kip-ft.
(2) The seismic overstrength factor (Omega) is not included in the "LEQ" Load Group reactions. Seismic "BASE-ONLY" combination reactions include an overstrength factor of: 2.000

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
BASE PLATE	6.0X11.0X0.375			6.0X11.0X0.375		
ANC. RODS	(4)-3/4			(4)-3/4		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.0	1.0	0.0	0.0	2.2	0.0
COLL	0.2	1.1	0.0	-0.2	1.1	0.0
SNOW	0.6	6.4	0.0	-0.6	11.4	0.0
LL	0.5	5.2	0.0	-0.5	9.1	0.0
RBDWEQ	0.0	1.1	0.0	0.0	0.0	0.0
EQ	-0.9	-1.1	0.0	-0.7	1.1	0.0
RBUPEQ	0.0	-1.1	-1.9	0.0	0.0	0.0
WL1	-1.8	-4.3	0.0	-1.7	-2.3	0.0
WL2	-2.4	-2.8	0.0	-1.0	-0.8	0.0
WL3	2.3	-0.4	0.0	1.6	-8.5	0.0
WL4	1.7	1.1	0.0	2.3	-7.0	0.0
LWL1	1.2	-4.0	0.0	-1.1	-5.4	0.0
RBUPLW	0.0	-0.6	-1.0	0.0	0.0	0.0
LWL2	1.2	-3.2	0.0	-1.2	-7.0	0.0
LWL3	1.2	-2.5	0.0	-1.3	-3.1	0.0
LWL4	1.2	-2.2	0.0	-1.3	-3.8	0.0
SBAL	0.7	5.0	0.0	-0.7	5.0	0.0
DSNW	0.4	3.0	0.0	-0.4	3.0	0.0
DSNR	-0.4	-0.5	0.0	0.4	3.8	0.0
RBDWLW	0.0	0.6	0.0	0.0	0.0	0.0

LOAD GROUP DESCRIPTION

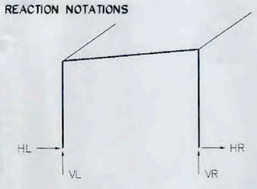
DL	:	Roof Dead Load
COLL	:	Roof Collateral Load
SNOW	:	Roof Snow Load
LL	:	Roof Live Load
RBDWEQ	:	Downward Acting Rod Brace Load from Long. Seismic
EQ	:	Lateral Seismic Load [parallel to plane of frame]
RBUPEQ	:	Upward Acting Rod Brace Load from Longit. Seismic
WL1	:	Lateral Primary Wind Load
WL2	:	Lateral Primary Wind Load
WL3	:	Lateral Primary Wind Load
WL4	:	Lateral Primary Wind Load
LWL1	:	Longitudinal Primary Wind Load
RBUPLW	:	Upward Acting Rod Brace Load from Longitud. Wind
LWL2	:	Longitudinal Primary Wind Load
LWL3	:	Longitudinal Primary Wind Load
LWL4	:	Longitudinal Primary Wind Load
SBAL	:	Code Calculated Balanced Roof Snow Load
DSNW	:	Drifting Snow
DSNR	:	Drifting Snow Right
RBDWLW	:	Downward Acting Rod Brace Load from Longit. Wind

Metallic Building Systems FRAME DESCRIPTION: ss 24./15./23. 20./85./25. JOB NAME: 250514bA

SUPPORT REACTIONS FOR EACH LOAD GROUP FRAME ID #04 LOCATION: frame lines 4

NOTE: All reactions are in kips and kip-ft.

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
BASE PLATE	6.0X12.0X0.375			6.0X12.0X0.375		
ANC. RODS	(4)-3/4			(4)-3/4		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.0	1.1	0.0	0.0	2.1	0.0
COLL	0.1	1.1	0.0	-0.1	1.1	0.0
SNOW	0.4	6.3	0.0	-0.4	10.7	0.0
LL	0.3	5.0	0.0	-0.3	8.6	0.0
EQ	-0.8	-1.1	0.0	-0.7	1.1	0.0
WL1	-1.6	-4.2	0.0	-1.7	-2.2	0.0
WL2	-2.2	-2.8	0.0	-1.1	-0.7	0.0
LWL1	1.1	-3.9	0.0	-1.0	-5.1	0.0
LWL2	1.2	-3.1	0.0	-1.1	-6.6	0.0
LWL3	1.1	-2.4	0.0	-1.2	-3.0	0.0
LWL4	1.1	-2.1	0.0	-1.2	-3.6	0.0
WL3	2.2	-0.4	0.0	1.6	-8.0	0.0
WL4	1.6	1.0	0.0	2.2	-6.6	0.0
SBAL	0.5	4.8	0.0	-0.5	4.8	0.0
DSNW	1.9	17.2	0.0	-1.9	17.2	0.0
DSNR	-1.0	-1.7	0.0	1.0	10.8	0.0

LOAD GROUP DESCRIPTION

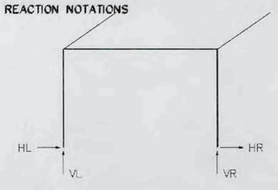
DL	:	Roof Dead Load
COLL	:	Roof Collateral Load
SNOW	:	Roof Snow Load
LL	:	Roof Live Load
EQ	:	Lateral Seismic Load [parallel to plane of frame]
WL1	:	Lateral Primary Wind Load
WL2	:	Lateral Primary Wind Load
LWL1	:	Longitudinal Primary Wind Load
LWL2	:	Longitudinal Primary Wind Load
LWL3	:	Longitudinal Primary Wind Load
LWL4	:	Longitudinal Primary Wind Load
WL3	:	Lateral Primary Wind Load
WL4	:	Lateral Primary Wind Load
SBAL	:	Code Calculated Balanced Roof Snow Load
DSNW	:	Drifting Snow
DSNR	:	Drifting Snow Right

Metallic Building Systems FRAME DESCRIPTION: pf 26./17. main building at p USER NAME: steved JOB NAME: 250514bA

SUPPORT REACTIONS FOR EACH LOAD GROUP FRAME ID #05 LOCATION: bays 2-(plane SWA)

NOTE: All reactions are in kips and kip-ft.

REACTION NOTATIONS



LOAD GROUP REACTION TABLE

COLUMN	LEFT COLUMN			RIGHT COLUMN		
BASE PLATE	6.0X10.0X0.375			6.0X10.0X0.375		
ANC. RODS	(4)-3/4			(4)-3/4		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.0	0.4	0.0	0.0	0.4	0.0
EQ	-1.4	-1.8	0.0	-1.4	1.8	0.0
WL1	-0.5	-0.7	0.0	-0.5	0.7	0.0
WL2	0.5	0.7	0.0	0.5	-0.7	0.0

LOAD GROUP DESCRIPTION

DL	:	Roof Dead Load
EQ	:	Lateral Seismic Load [parallel to plane of frame]
WL1	:	Lateral Primary Wind Load
WL2	:	Lateral Primary Wind Load

Typical Load Cases and Their Meanings

DL	Dead Load	WLR	Wind Load From Right - Case I
CL	Collateral Load	WR2	Wind Load From Right - Case II
LL	Live Load	EL	Seismic Load From Left
SL	Snow Load (Balanced)	ER	Seismic Load From Right
UBL	Unbalanced Snow Load (W/Wind From Left)	ELC	Seismic Load From Left (For Connections)
UBR	Unbalanced Snow Load (W/Wind From Right)	ERC	Seismic Load From Right (For Connections)
WL1	Wind Load From Left - Case I	MZL	Mezzanine (Floor) Live Load
WL2	Wind Load From Left - Case II		

Note to Foundation Designer:

The manufacturer has determined the required anchor bolt diameter assuming full allowable combined shear and tension can be developed in the bolt in accordance with Table B5.2 of the AISC 13th Edition (Table J3.3 of the AISC 9th Edition) the Manual of Steel Construction, Allowable Stress Design assuming a threaded part made of ASTM-A36 Steel. It is the responsibility of the foundation designer to design an anchorage system using bolts of the stated diameter that develop sufficient strength to resist the reactions given on the anchor bolt plan. This may require the addition of embedded angles, plates, or other items to allow the bolt group to develop a single resistance cone.

AR Projections	
DIA	PROJ
1/2"	1 1/2"
5/8"	2"
3/4"	2 1/2"
7/8"	3 1/2"
1"	3 1/2"
1 1/8"	3 1/2"
1 1/4"	4"

DRAWING STATUS

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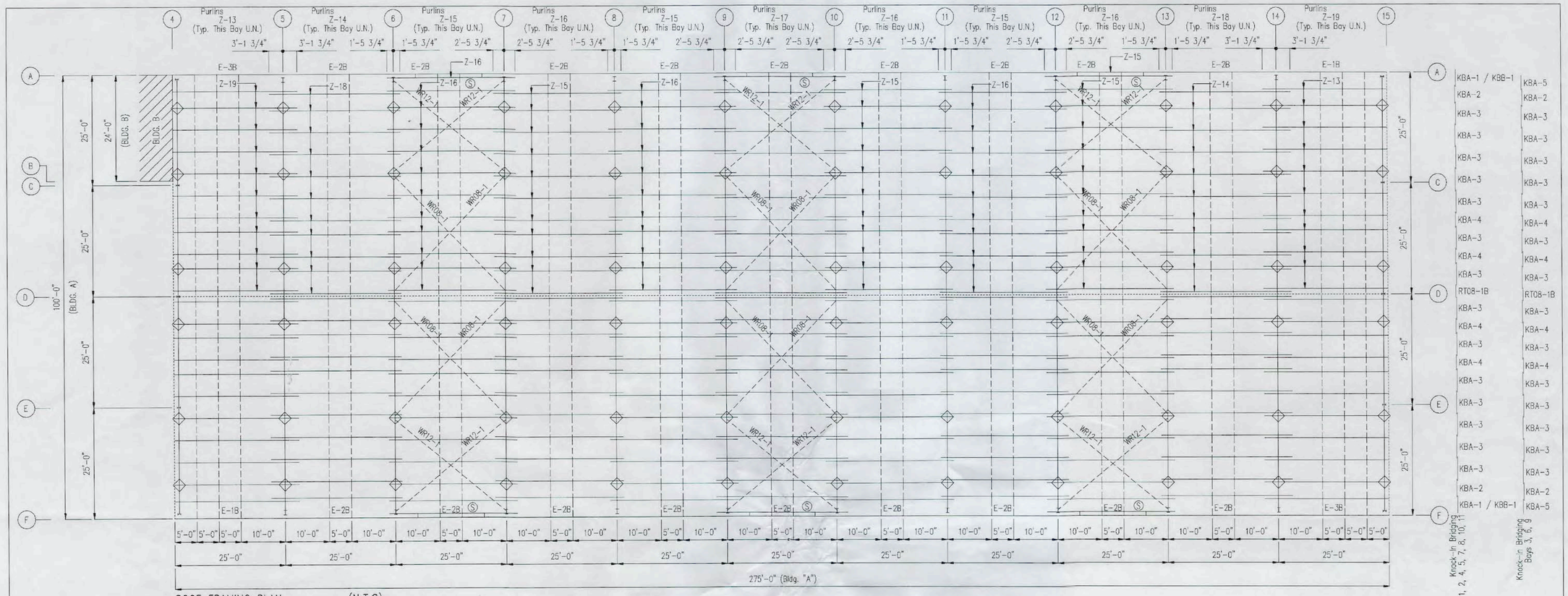
- ☐ For Construction Permit
- ☒ For Erector Installation

Issue	Date	Description	BY	CK'D
0	07-09-10	FOR ERECTOR INSTALLATION	CRIS	AMV

metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-09-10	N.T.S.	01	AB	0805-250514	F3 of 3	0



ROOF FRAMING PLAN (N.T.S)

◇ ANTI-ROLL CLIP LOCATION

USE (4) 1/2" DIA. x 1" A307 BOLTS @ M. F. CLIP TO PURLIN CONNECTION TYP. ALL LINES

Ⓢ STRUT PURLIN 8Z14GA W/(4) 1/2" DIA. x 1 1/2" A325 BOLTS @ END CONN. W/SSL-108 STRUT SPACER AT 5'-0" ON C. MAX SPACING

WHEN THERE IS AN ADDITIONAL STRUT PURLIN LOCATED WITHIN 1'-0" OF THE EAVE STRUT, THIS STRUT PURLIN NOT HAVE AT STANDING SEAM PANEL CLIP ATTACHED TO IT; SUCH ATTACHMENT WILLCAUSE EXCESSIVE BENDING IN THE ROOF PANEL DURING INSTALLATION OF THE FASTENER THAT ATTACH THE ROOF PANEL TO THE EAVE STRUT.

MISCELLANEOUS ACCESSORIES

MK.	NO.	DESCRIPTION
		WALL LINER @ SWA & SWC, 10'-0" HEIGHT, 275'-0" LENGTH, BASE CHANNEL, 29GA. "PBU" PNL. (BLDG. A)
		WALL LINER @ EWB & EWD, 10'-0" HEIGHT, 100'-0" LENGTH, BASE CHANNEL, 29GA. "PBU" PNL. (BLDG. A)
		WALL LINER @ SWA & SWC, 10'-0" HEIGHT, 72'-0" LENGTH, BASE CHANNEL, 29GA. "PBU" PNL. (BLDG. B)
		BELOW EAVE CANOPY ON SWA, 6'-0" PRJ., 72'-0 LENGTH, 26GA "PBR" ROOF PNL., 26GA. "PBR" SOFFIT PNL. AT BLDG. B

SWING DOORS

MK.	NO.	DESCRIPTION
	7	3070M, WHITE, KNOCK DOWN, CYLINDRICAL
		LOCKSET, KEYED ALIKE, CLOSER, INSULATED

LIGHT TRANSMITTING PANELS

MK.	NO.	DESCRIPTION
	0	N/A

FRAMED OPENINGS

MK.	NO.	SIZE	DESCRIPTION
	2	10'-0 x12'-0	FOR O.H.D. (BY OTHERS)
	ONE	12'-0 x12'-0	FOR O.H.D. (BY OTHERS)
	4	9'-0 x 10'-0	FOR O.H.D. (BY OTHERS)

VENTILATORS

MK.	NO.	DESCRIPTION
	0	N/A

WINDOWS

MK.	NO.	DESCRIPTION
	0	N/A

Mark	Description	Mark	Description	Mark	Description	Mark	Description
Z-13	8 x 2 1/8 x 2 3/8 Zee 13 Ga	E-2B	8 x 3 3/8 x 5 ES – (LS) – 14 Ga				
Z-16	8 x 2 1/8 x 2 3/8 Zee 14 Ga	E-3B	8 x 3 3/8 x 5 ES – (LS) – 14 Ga				
Z-17	8 x 2 1/8 x 2 3/8 Zee 14 Ga						
Z-18	8 x 2 1/8 x 2 3/8 Zee 14 Ga	WR08–	1/2" DIA. ROD BRACING				
Z-14	8 x 2 1/8 x 2 3/8 Zee 14 Ga	WR12–	3/4" DIA. ROD BRACING				
Z-15	8 x 2 1/8 x 2 3/8 Zee 14 Ga						
Z-19	8 x 2 1/8 x 2 3/8 Zee 13 Ga						
E-1B	8 x 3 3/8 x 5 ES – (LS) – 14 Ga						

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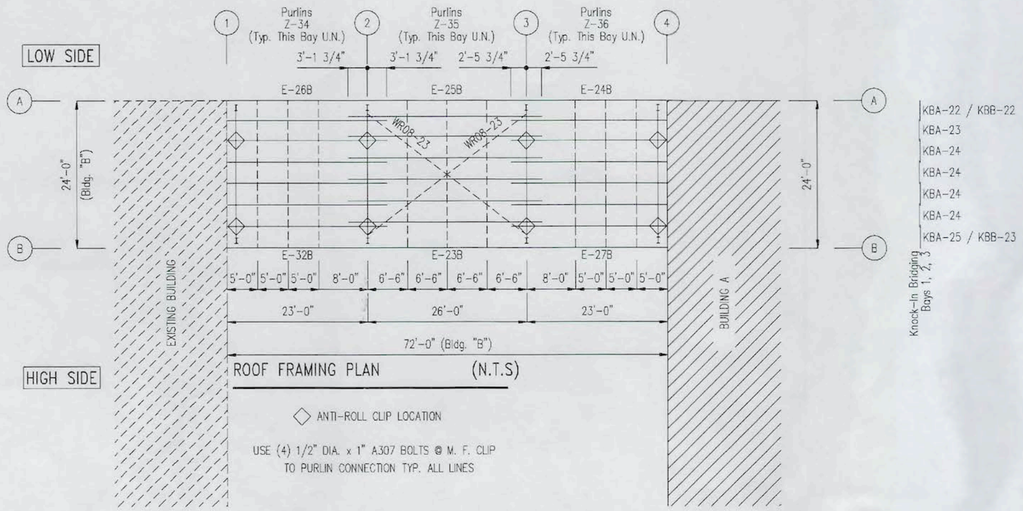
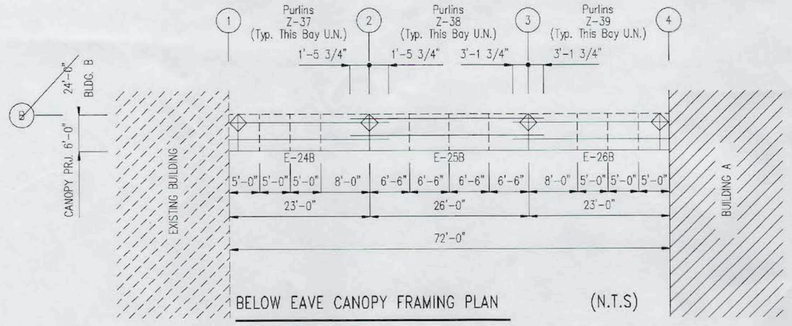
Issue	Date	Description	BY	CK'D
A	07-09-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

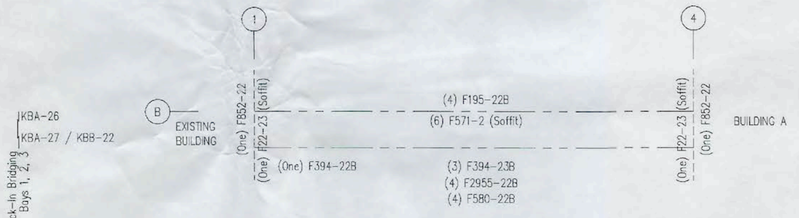
METALLIC
metallic building company
7301 FAIRVIEW ▪ HOUSTON, TEXAS ▪ P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-09-10	N.T.S.	01	AB	0805-250514	E1 of 13	0







TRIM LAYOUT

BELOW EAVE CANOPY

Mark	Description	Mark	Description	Mark	Description	Mark	Description
Z-34	8 x 2 1/8 x 2 3/8 Zee 12 Ga	WRDB-	1/2" DIA. ROD BRACING				
Z-35	8 x 2 1/8 x 2 3/8 Zee 14 Ga						
Z-36	8 x 2 1/8 x 2 3/8 Zee 16 Ga	E-22B	8 x 3 3/8 x 5 ES - (HS) - 14 Ga				
Z-37	8 x 2 1/8 x 2 3/8 Zee 16 Ga	E-23B	8 x 3 3/8 x 5 ES - (HS) - 14 Ga				
Z-38	8 x 2 1/8 x 2 3/8 Zee 14 Ga	E-27B	8 x 3 3/8 x 5 ES - (HS) - 14 Ga				
Z-39	8 x 2 1/8 x 2 3/8 Zee 12 Ga	E-24B	8 x 3 3/8 x 5 ES - (LS) - 14 Ga				
		E-25B	8 x 3 3/8 x 5 ES - (LS) - 14 Ga				
		E-26B	8 x 3 3/8 x 5 ES - (LS) - 14 Ga				

DRAWING STATUS

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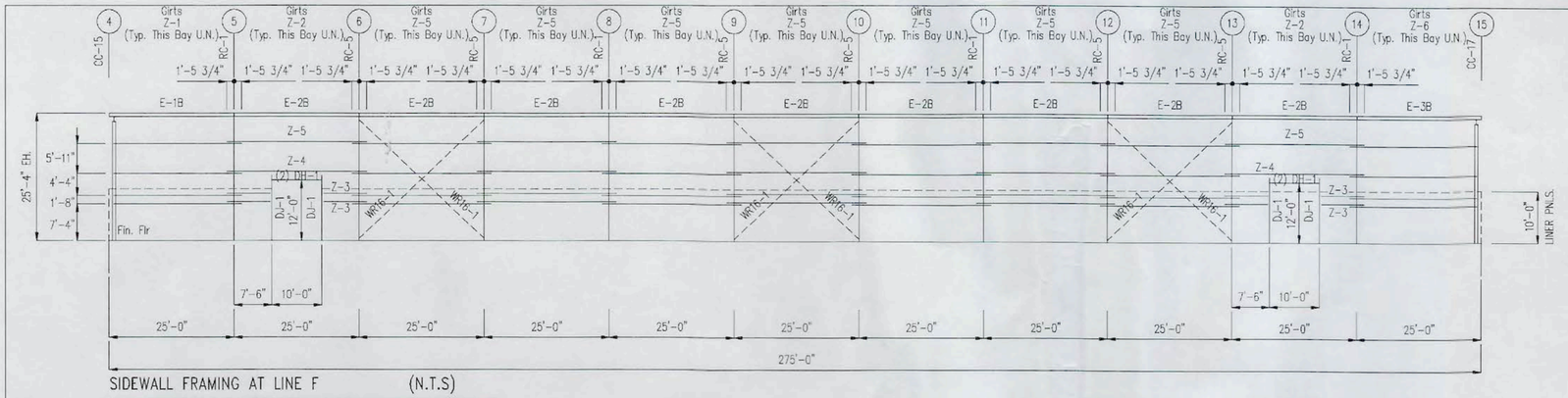
- [ ] For Construction Permit
- [x] For Erector Installation

Issue	Date	Description	BY	CK'D
A	07-09-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC
metallic building company
7301 FAIRVIEW ▪ HOUSTON, TEXAS ▪ P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

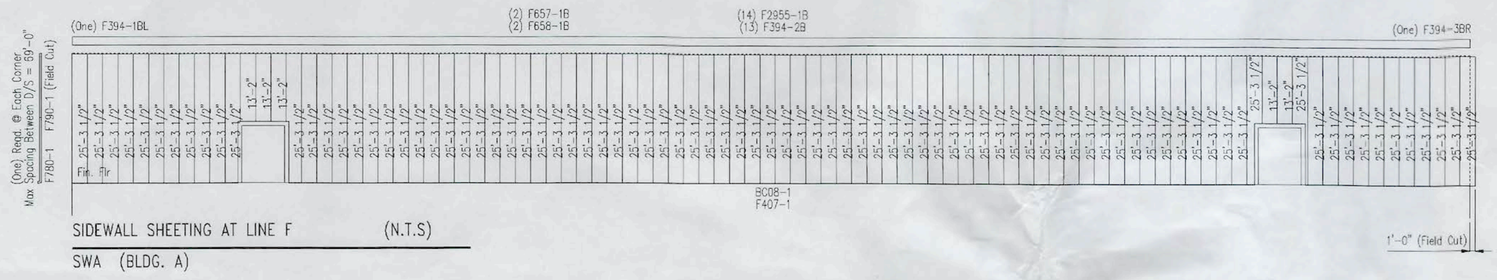
Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-09-10	N.T.S.	01	AB	0805-250514	E2 of 13	0



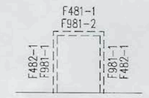
SIDEWALL FRAMING AT LINE F (N.T.S)

SWA (BLDG. A)



SIDEWALL SHEETING AT LINE F (N.T.S)

SWA (BLDG. A)



F. OPENING TRIM LAYOUT

(2) REQ'D.

Mark	Description	Mark	Description	Mark	Description	Mark	Description
Z-1	8 x 2 1/8 x 2 3/8 Zee 14 Ga	WR16-	1" DIA. ROD BRACING				
Z-2	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-3	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-4	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-5	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-6	8 x 2 1/8 x 2 3/8 Zee 14 Ga						
DJ-1	Jamb 8 x 3 1/2 Cee 14 Ga						
DH-1	Header 8 x 3 1/2 Cee 14 Ga						

DRAWING STATUS

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- ☐ For Construction Permit
- ☒ For Erector Installation

Issue	Date	Description	BY	CK'D
A	07-09-10	FOR CONSTRUCTION PERMIT	ORIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

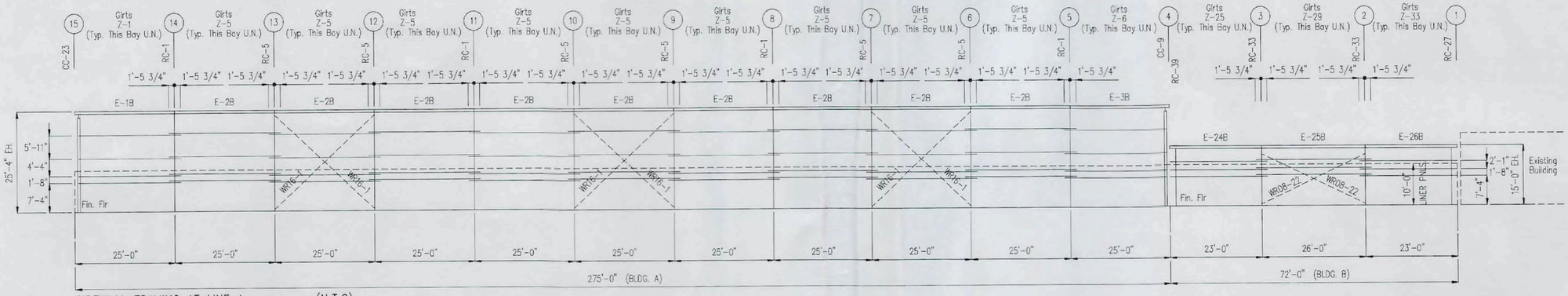
METALLIC
metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40339
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco

Customer: J Bar D Construction Inc | Owner: Skookum Creek Tobacco

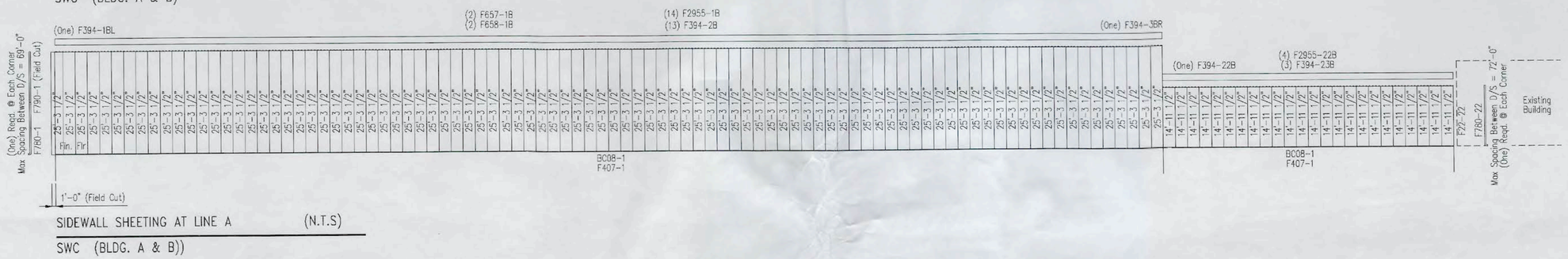
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
ORIS	07-09-10	N.T.S.	01	AB	0805-250514	E3 of 13	0



SIDEWALL FRAMING AT LINE A (N.T.S)

SWC (BLDG. A & B)



SIDEWALL SHEETING AT LINE A (N.T.S)

SWC (BLDG. A & B))

Mark	Description	Mark	Description	Mark	Description	Mark	Description
Z-5	8 x 2 1/8 x 2 3/8 Zee 16 Ga	WR16-	1" DIA. ROD BRACING				
Z-25	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-29	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-33	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-1	8 x 2 1/8 x 2 3/8 Zee 14 Ga						
Z-6	8 x 2 1/8 x 2 3/8 Zee 14 Ga						

DRAWING STATUS

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- ☐ For Construction Permit
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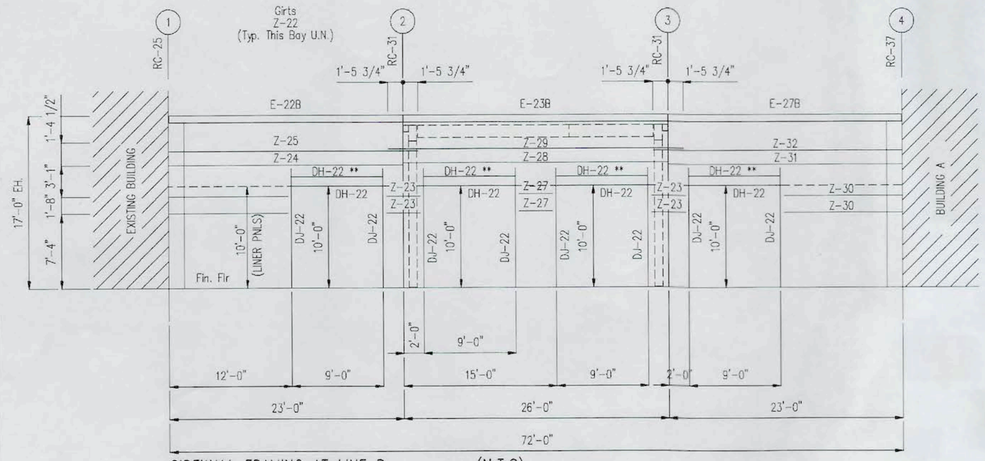
Issue	Date	Description	BY	CK'D
A	07-09-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

metallic building company
7301 FAIRVIEW ■ HOUSTON, TEXAS ■ P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

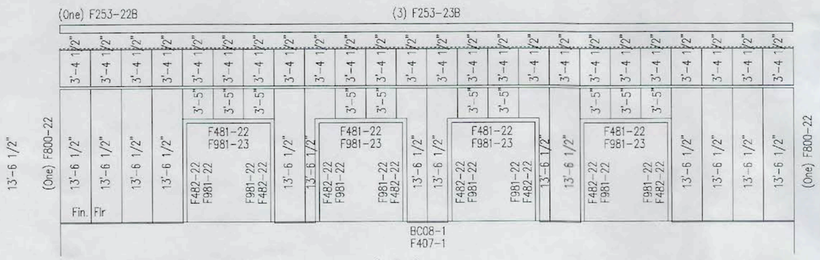
Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-09-10	N.T.S.	01	AB	0805-250514	E4 of 13	0



SIDEWALL FRAMING AT LINE B (N.T.S)

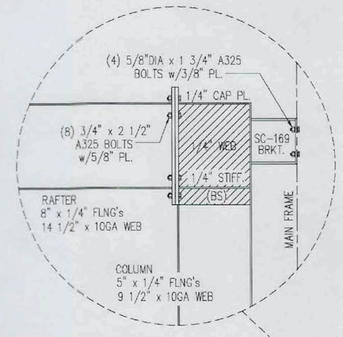
SWA (BLDG. B)



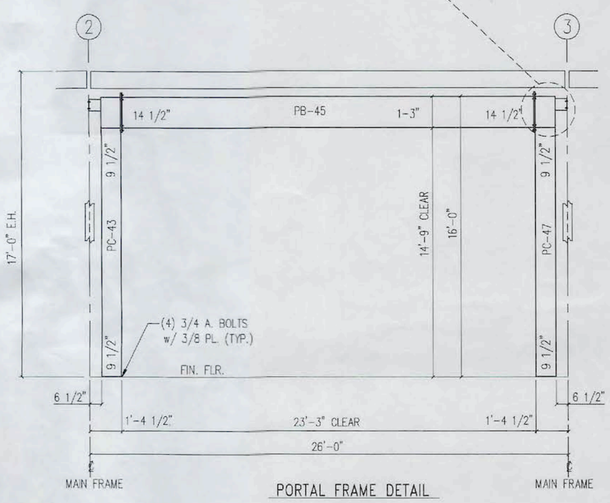
SIDEWALL SHEETING AT LINE B (N.T.S)

SWA (BLDG. B)

DH-22 ** = FIELD LOCATED HEADER



NOTE:
A-325 WASHER REQ'D FOR EA. A-325 BOLT (TYP)



PORTAL FRAME DETAIL

Mark	Description	Mark	Description	Mark	Description	Mark	Description
Z-22	8 x 2 1/8 x 2 3/8 Zee 16 Ga	DJ-22	Jamb 8 x 3 1/2 Cee 14 Ga				
Z-23	8 x 2 1/8 x 2 3/8 Zee 16 Ga	DH-22	Header 8 x 3 1/2 Cee 14 Ga				
Z-24	8 x 2 1/8 x 2 3/8 Zee 16 Ga	Z-31	8 x 2 1/8 x 2 3/8 Zee 16 Ga				
Z-25	8 x 2 1/8 x 2 3/8 Zee 16 Ga	Z-32	8 x 2 1/8 x 2 3/8 Zee 16 Ga				
Z-27	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-28	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-29	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-30	8 x 2 1/8 x 2 3/8 Zee 16 Ga						

DRAWING STATUS

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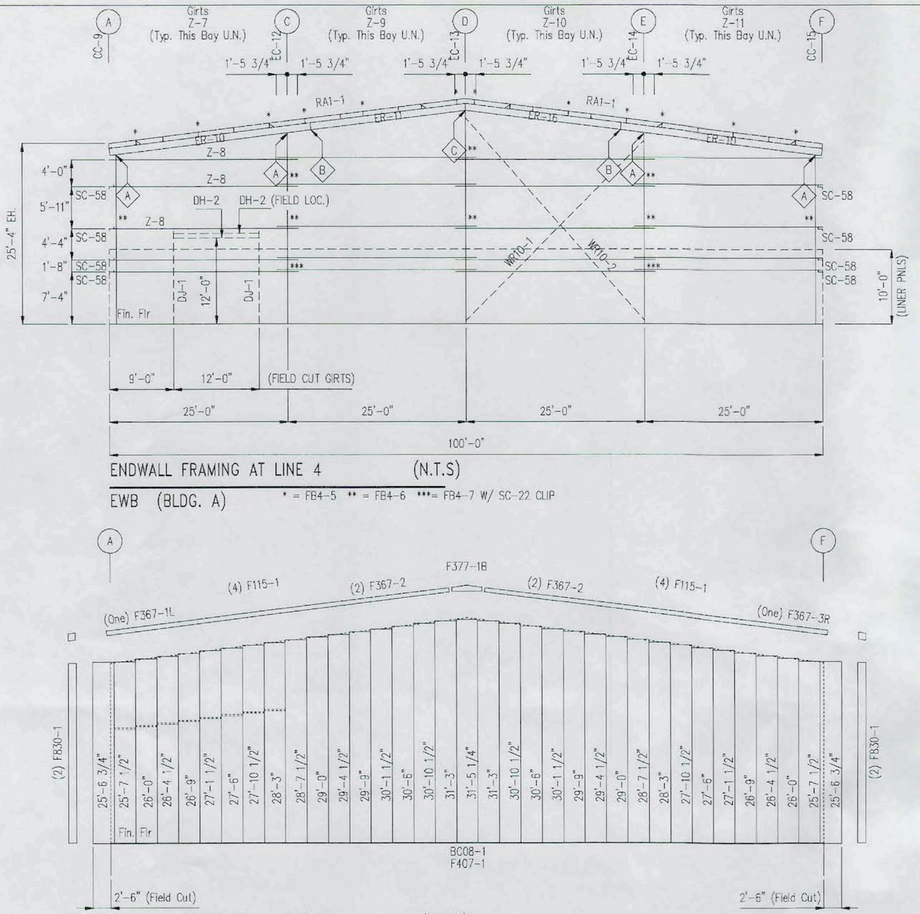
- [ ] For Construction Permit
- [x] For Erector Installation

Issue	Date	Description	BY	CK'D
A	07-09-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC
metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-09-10	N.T.S.	01	AB	0805-250514	E5 of 13	0



ENDWALL FRAMING AT LINE 4 (N.T.S)

EWB (BLDG. A)

* = FB4-5 ** = FB4-6 ***= FB4-7 W/ SC-22 CLIP

ENDWALL SHEETING AT LINE 4 (N.T.S)

EWB (BLDG. A)

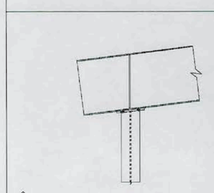
FIELD CUT PANELS AT COMMON WALL

F481-2
F981-1
F482-1
F981-1
F981-1
F482-1

TRIM LAYOUT

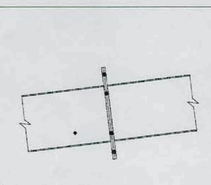
(12' x 12' F.O.)

NOTE:
A-325 WASHER REQ'D FOR EA. A-325 BOLT (TYP)



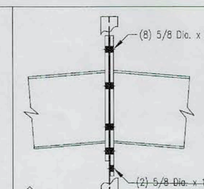
A

3/8 x 6 x 0'-7 7/8 Plate With (4) 5/8 Dia. x 1 3/4 A325



B

3/8 x 5 x 1'-7 7/16 Plate With (8) 5/8 Dia. x 2 A325



C

3/8 x 5 Plate, Bolted As Noted

MEMBER DATA

Column data is listed from Base to Eave – Rafter data is listed from Eave to Ridge (High Side)

Mark	Outside Flange	Web	Inside Flange
CC-9	W 8 x 10		
EC-12	W 8 x 15		
EC-13	W 8 x 18		
EC-14	W 8 x 15		
CC-15	W 8 x 10		
ER-10	W 12 x 14		
ER-11	W 12 x 14		
ER-10	W 12 x 14		
ER-16	W 12 x 14		

Mark	Description	Mark	Description	Mark	Description	Mark	Description
		DH-2	Header 8 x 3 1/2 Cee 14 Ga				
Z-7	8 x 2 1/8 x 2 3/8 Zee 16 Ga	FB4-6	Flange Brace (L2 x 2 x 14 Ga)				
Z-8	8 x 2 1/8 x 2 3/8 Zee 12 Ga	FB4-7	Flange Brace (L2 x 2 x 14 Ga)				
Z-9	8 x 2 1/8 x 2 3/8 Zee 14 Ga	FB4-5	Flange Brace (L2 x 2 x 14 Ga)				
Z-10	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-11	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
DJ-1	Jamb 8 x 3 1/2 Cee 14 Ga						

DRAWING STATUS

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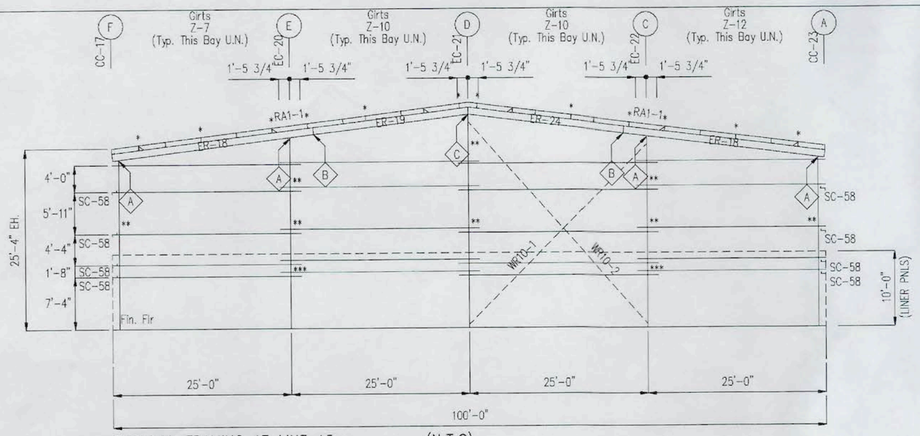
- ☒ For Erector Installation

Issue	Date	Description	BY	CK'D
A	07-12-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC
metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

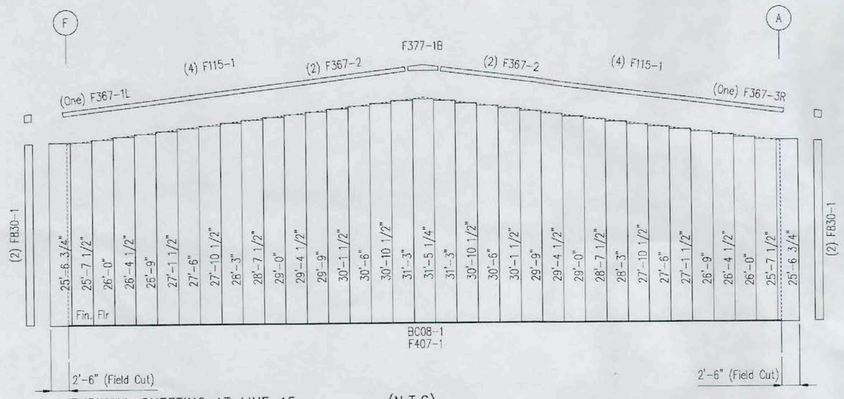
Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-12-10	N.T.S.	01	AB	0805-250514	E6 of 13	0



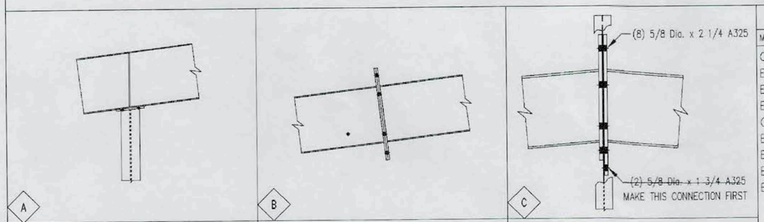
ENDWALL FRAMING AT LINE 15 (N.T.S)

EWD (BLDG. A) * = FB4-5 ** = FB4-6 ***= FB4-7 W/ SC-22 CLIP



ENDWALL SHEETING AT LINE 15 (N.T.S)

EWD (BLDG. A)



MEMBER DATA

Column data is listed from Base to Eave – Rafter data is listed from Eave to Ridge (High Side)

Mark	Outside Flange	Web	Inside Flange
CC-17	W 8 x 10		
EC-20	W 8 x 15		
EC-21	W 8 x 18		
EC-22	W 8 x 15		
CC-23	W 8 x 10		
ER-18	W 12 x 14		
ER-19	W 12 x 14		
ER-18	W 12 x 14		
ER-24	W 12 x 14		

NOTE:
A-325 WASHER REQ'D FOR EA. A-325 BOLT (TYP)

Mark	Description	Mark	Description	Mark	Description	Mark	Description
Z-7	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-10	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
Z-12	8 x 2 1/8 x 2 3/8 Zee 16 Ga						
FB4-6	Flange Brace (L2 x 2 x 14 Ga)						
FB4-7	Flange Brace (L2 x 2 x 14 Ga)						
FB4-5	Flange Brace (L2 x 2 x 14 Ga)						

DRAWING STATUS

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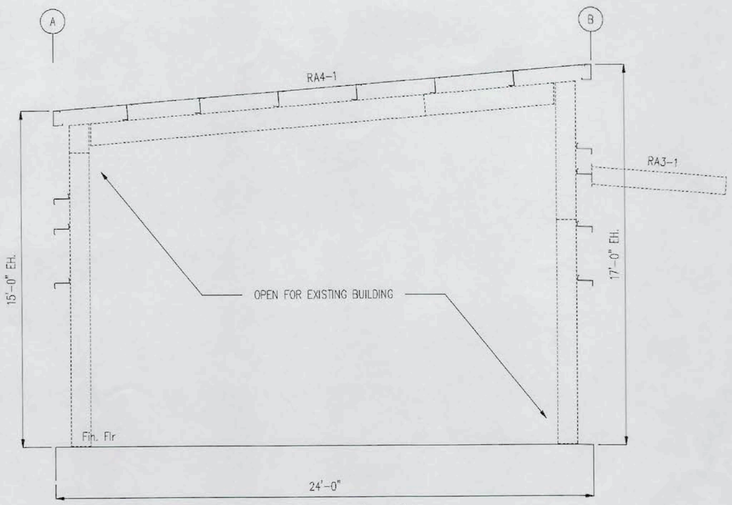
Issue	Date	Description	BY	CK'D
A	07-12-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

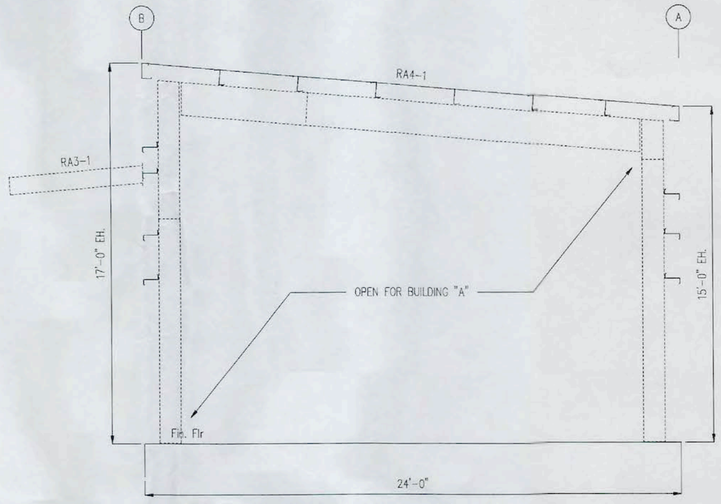
Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-12-10	N.T.S.	01	A8	0805-250514	E7 of 13	0



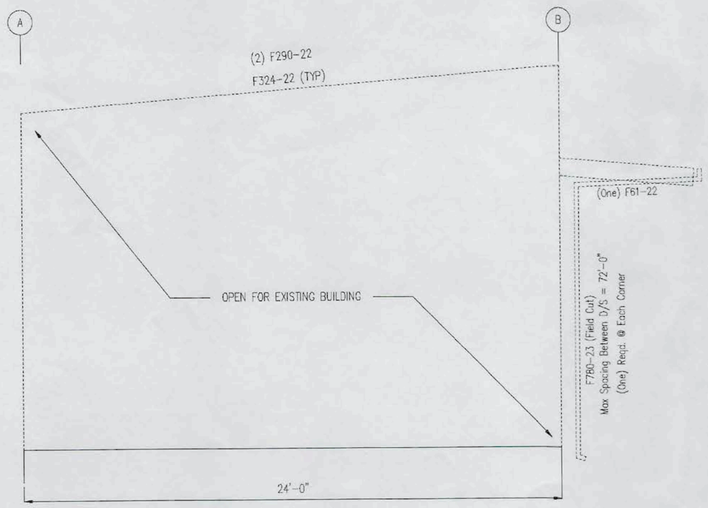
ENDWALL FRAMING AT LINE 1 (N.T.S)

EWB (BLDG. B)



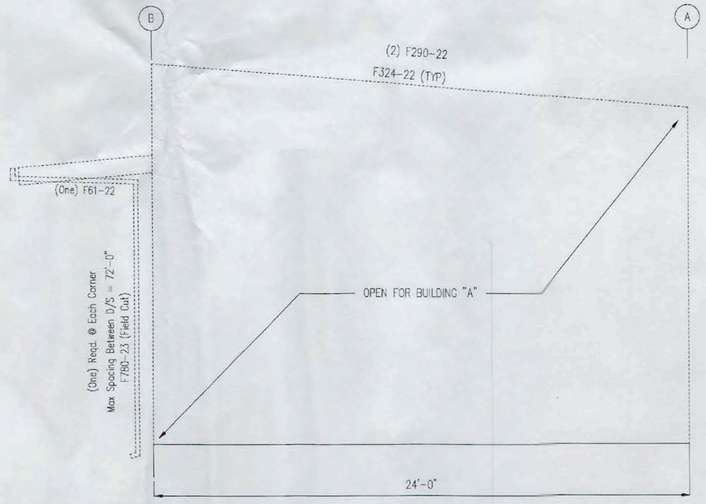
ENDWALL FRAMING AT LINE 4 (N.T.S)

EWB (BLDG. B)



TRIM LAOYUT AT LINE 1 (N.T.S)

EWB (BLDG. B)



TRIM LAYOUT AT LINE 4 (N.T.S)

EWB (BLDG. B)

Mark	Description	Mark	Description	Mark	Description	Mark	Description

DRAWING STATUS

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- ☒ For Erector Installation

Issue	Date	Description	BY	CK'D
A	07-12-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco

Customer: J Bar D Construction inc | Owner: Skookum Creek Tobacco

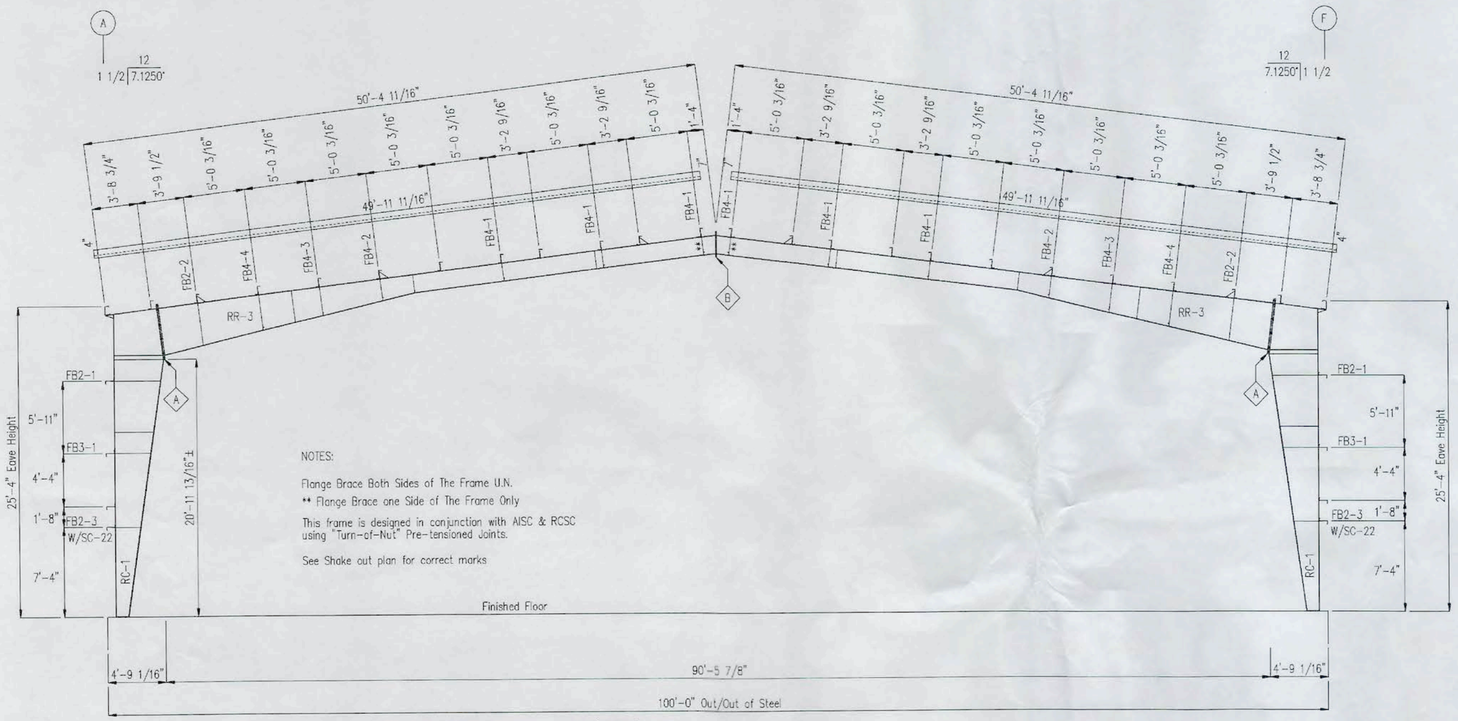
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-12-10	N.T.S.	01	AB	0805-250514	E8 of 13	0

MEMBER DATA

Column data is listed from Base to Eave – Rafter data is listed from Eave to Ridge (High Side)

Mark	Outside Flange	Web	Inside Flange
RC-1	5/16 x 8 x 15-0	1/4 x 12 to 37 3/8 x 15-0	1/2 x 8 x 15-0
	5/16 x 8	1/4 x 37 3/8 to 48	1/2 x 8
RR-3	5/16 x 8	1/4 x 46 to 31	1/2 x 8
	5/16 x 8 x 10-0	3/16 x 31 to 17 1/2 x 10-0	3/8 x 8 x 10-0
	3/8 x 8 x 15-0	8 GA x 17 1/2 x 15-0	3/8 x 8 x 15-0
	3/8 x 8 x 10-0	3/16 x 17 1/2 x 10-0	1/4 x 8 x 10-0



NOTES:

Flange Brace Both Sides of The Frame U.N.

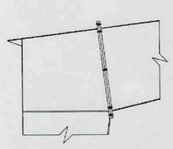
** Flange Brace one Side of The Frame Only

This frame is designed in conjunction with AISC & RCSC using "Turn-of-Nut" Pre-tensioned Joints.

See Shake out plan for correct marks

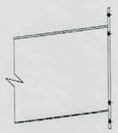
Main Frame Cross Section at Frame Lines: 5,8,11,14 (N.T.S)

(BLDG. A)



A

1 x 8 x 4-6 1/2 Plate With (10) 1 Dia. x 3 1/2 A325



B

1/2 x 8 x 2-1 5/8 Plate With (8) 3/4 Dia. x 2 1/4 A325

NOTE:
A-325 WASHER REQ'D FOR EA. A-325 BOLT (TYP)

Mark	Description	Mark	Description	Mark	Description	Mark	Description
FB4-1	Flange Brace (L2 x 2 x 14 Ga) 3'-1 1/4"	FB2-1	Flange Brace (L2 x 2 x 1/8)				
FB4-2	Flange Brace (L2 x 2 x 14 Ga) 3'-3 1/4"	FB2-2	Flange Brace (L2 x 2 x 1/8)				
FB4-3	Flange Brace (L2 x 2 x 14 Ga) 3'-7 1/2"	FB2-3	Flange Brace (L2 x 2 x 1/8)				
FB4-4	Flange Brace (L2 x 2 x 14 Ga) 4'-0 1/2"	FB3-1	Flange Brace (L2 1/2 x 2 1/2 x 3/16)				

DRAWING STATUS

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Issue	Date	Description	BY	CK'D
A	07-12-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC **metallic building company**
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco

Customer: J Bar D Construction Inc | Owner: Skookum Creek Tobacco

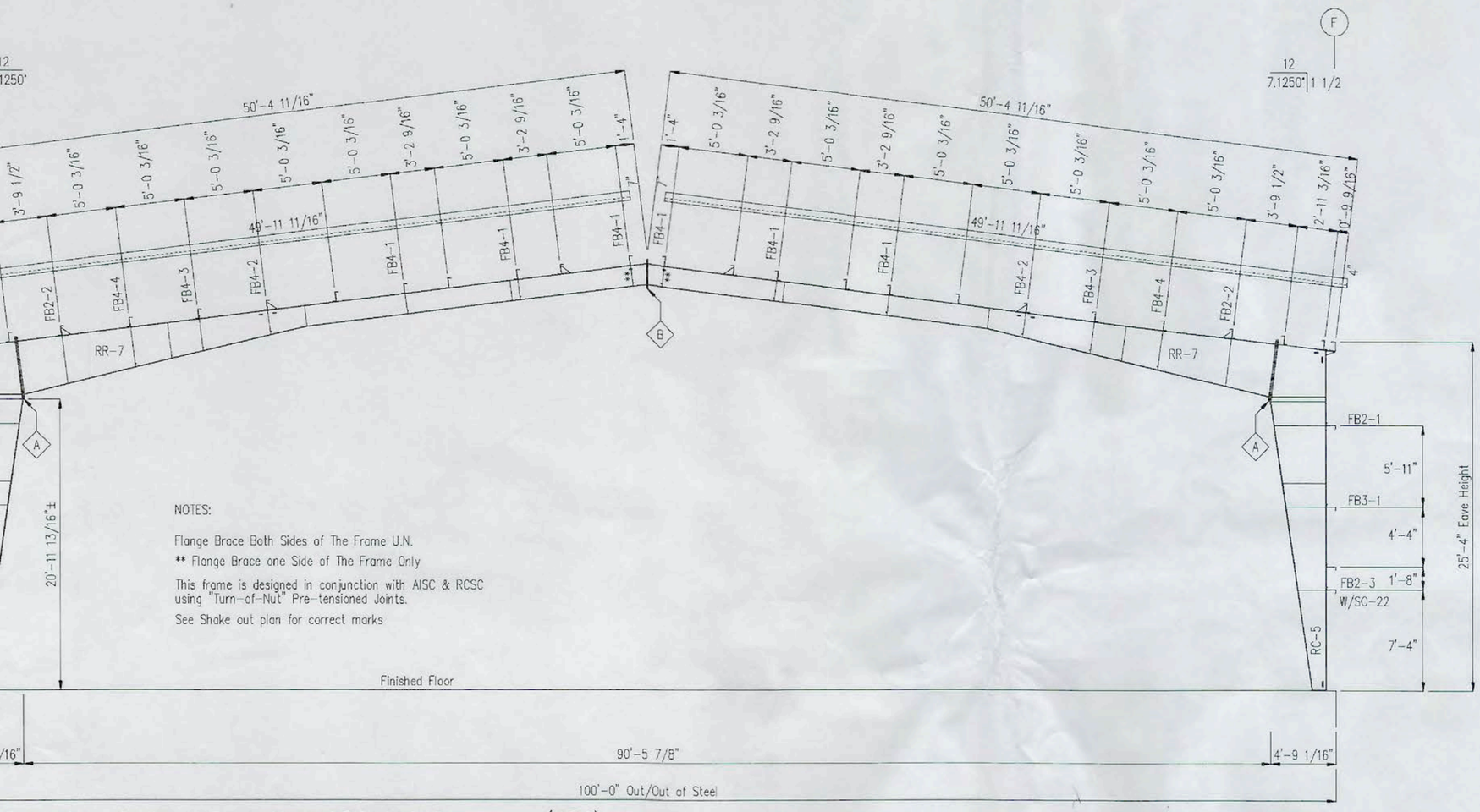
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-12-10	N.T.S.	01	AB	0805-250514	E9 of 13	0

MEMBER DATA

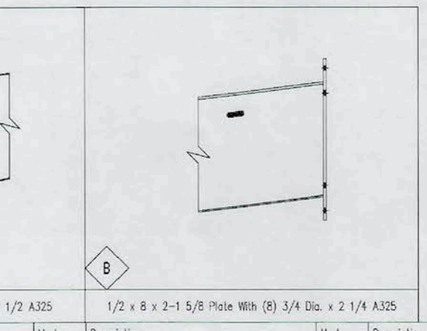
Column data is listed from Base to Eave – Rafter data is listed from Eave to Ridge (High Sid

Mark	Outside Flange	Web	Inside Flange
RC-5	5/16 x 8 x 15-0	1/4 x 12 to 37 3/8 x 15-0	1/2 x 8 x 15-0
	5/16 x 8	1/4 x 37 3/8 to 48	1/2 x 8
RR-7	5/16 x 8	1/4 x 46 to 31	1/2 x 8
	5/16 x 8 x 10-0	3/16 x 31 to 17 1/2 x 10-0	3/8 x 8 x 10-0
	3/8 x 8 x 15-0	8 GA x 17 1/2 x 15-0	3/8 x 8 x 15-0
	3/8 x 8 x 10-0	3/16 x 17 1/2 x 10-0	1/4 x 8 x 10-0



Frame Cross Section at Frame Lines: 6,7,9,10,12,13 (N.T.S)

G. A)



1/2 A325

1/2 x 8 x 2-1 5/8 Plate With (8) 3/4 Dia. x 2 1/4 A325

NOTE:
A-325 WASHER REQ'D FOR
EA. A-325 BOLT (TYP)

Mark	Description	Mark	Description	Mark	Description
/4"	FB2-1	Flange Brace (L2 x 2 x 1/8)			
/4"	FB2-2	Flange Brace (L2 x 2 x 1/8)			
/2"	FB2-3	Flange Brace (L2 x 2 x 1/8)			
/2"	FB3-1	Flange Brace (L2 1/2 x 2 1/2 x 3/16)			

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Issue	Date	Description	BY	CK'D
A	07-12-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC
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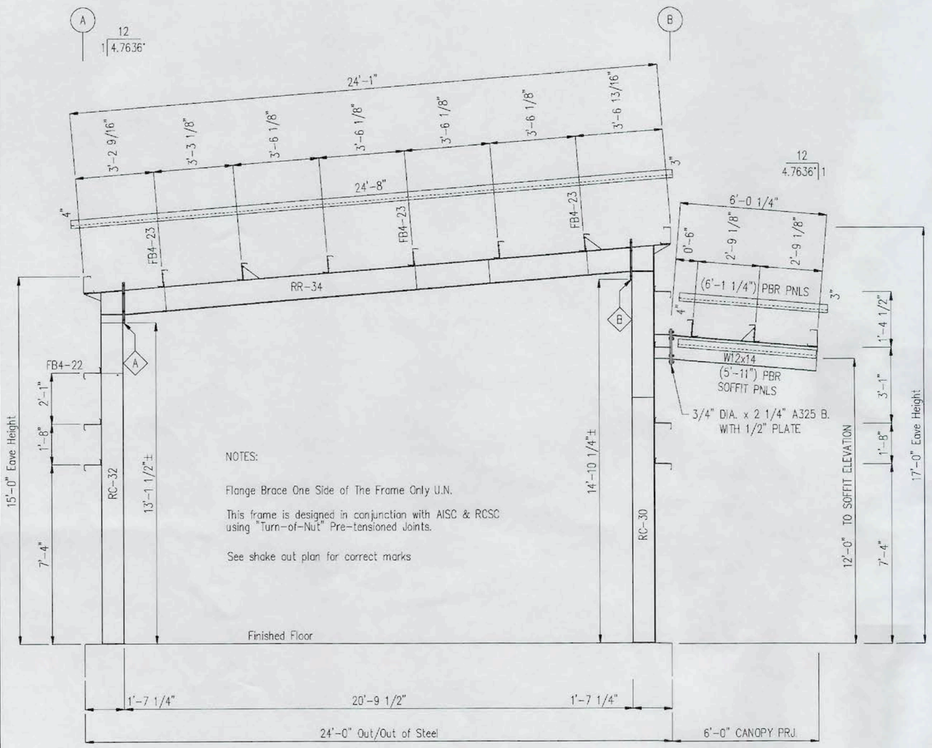
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-12-10	N.T.S.	01	AB	0805-250514	E10 of 13	0

MEMBER DATA

Column data is listed from Base to Eave -- Rafter data is listed from Eave to Ridge (High Side)

Mark	Outside Flange	Web	Inside Flange
RC-30	1/4 x 6 x 10-0 1/4 x 6	10 GA x 10 1/2 x 10-0 3/16 x 10 1/2	1/4 x 6 x 10-0 1/4 x 6
RC-32	1/4 x 5	10 GA x 10 1/2	1/4 x 5
RR-34	1/4 x 5 1/4 x 5 x 5-9 13/16	10 GA x 11 1/2 10 GA x 11 1/2 x 5-9 13/16	1/4 x 5 1/4 x 5 x 5-9 13/16



NOTES:

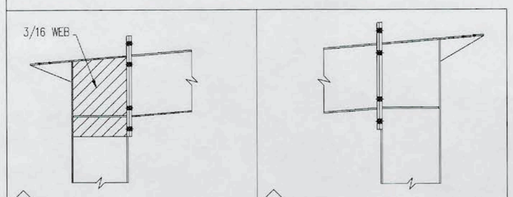
Flange Brace One Side of The Frame Only U.N.

This frame is designed in conjunction with AISC & RCSC using "Turn-of-Nut" Pre-tensioned Joints.

See shake out plan for correct marks

Main Frame Cross Section at Frame Lines: 1 (N.T.S)

(BLDG. B)



1/2 x 5 x 1-7 5/8 Plate With (8) 3/4 Dia. x 2 1/4 A325

1/2 x 6 x 1-7 5/8 Plate With (8) 3/4 Dia. x 2 1/4 A325

NOTE:
A-325 WASHER REQ'D FOR EA. A-325 BOLT (TYP)

Mark	Description	Mark	Description	Mark	Description	Mark	Description
FB4-22	Flange Brace (L2 x 2 x 14 Ga) 2'-10 1/4"						
FB4-23	Flange Brace (L2 x 2 x 14 Ga) 2'-10 1/2"						

DRAWING STATUS

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Issue	Date	Description	BY	CK'D
A	07-12-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

metallic building company
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Project: Skookum Creek Tobacco

Customer: J Bar D Construction Inc | Owner: Skookum Creek Tobacco

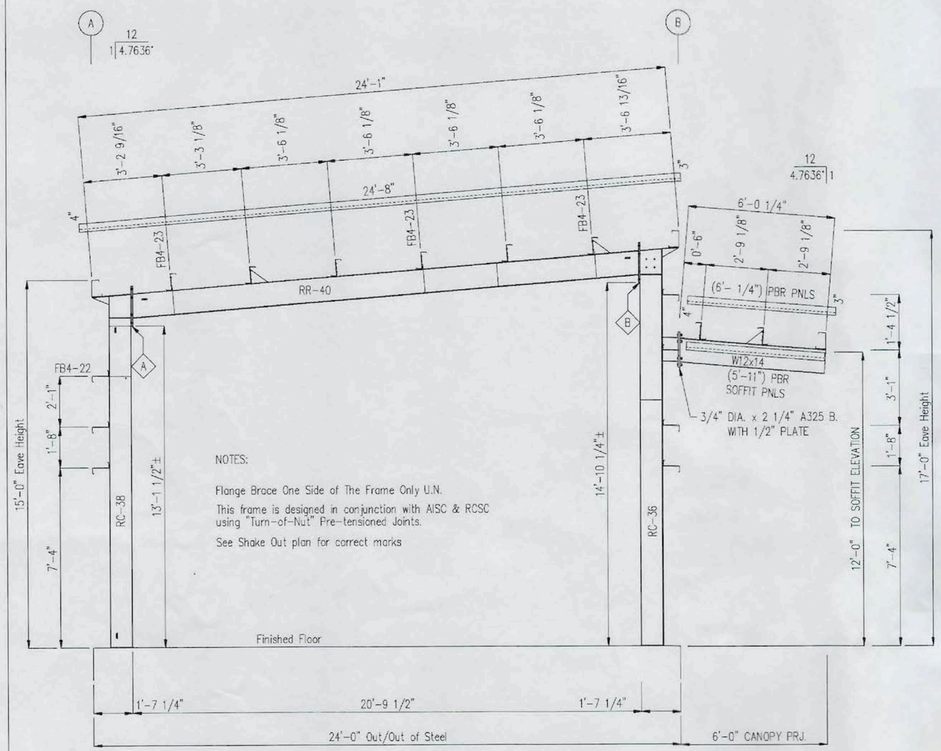
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-12-10	N.T.S.	01	AB	0505-250514	E11 of 13	0

MEMBER DATA

Column data is listed from Base to Eave – Rafter data is listed from Eave to Ridge (High Side)

Mark	Outside Flange	Web	Inside Flange
RC-36	1/4 x 6 x 10-0 1/4 x 6	10 GA x 10 1/2 x 10-0 3/16 x 10 1/2	1/4 x 6 x 10-0 1/4 x 6
RC-38	1/4 x 5	10 GA x 10 1/2	1/4 x 5
RR-40	1/4 x 5 1/4 x 5 x 5-9 13/16	10 GA x 11 1/2 10 GA x 11 1/2 x 5-9 13/16	1/4 x 5 1/4 x 5 x 5-9 13/16



NOTES:

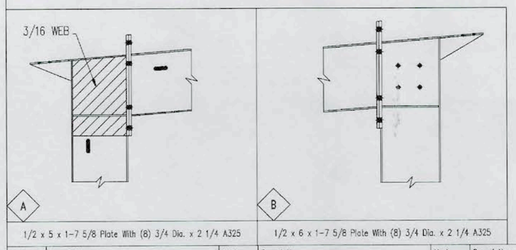
Flange Brace One Side of The Frame Only U.N.

This frame is designed in conjunction with AISC & RCSC using "Turn-of-Nut" Pre-tensioned Joints.

See Shake Out plan for correct marks

Main Frame Cross Section at Frame Lines: 2,3 (N.T.S)

(BLDG. B)



A: 1/2 x 5 x 1-7 5/8 Plate With (8) 3/4 Dia. x 2 1/4 A325

B: 1/2 x 6 x 1-7 5/8 Plate With (8) 3/4 Dia. x 2 1/4 A325

NOTE:
A-325 WASHER REQ'D FOR EA. A-325 BOLT (TYP)

Mark	Description	Mark	Description	Mark	Description	Mark	Description
FB4-22	Flange Brace (L2 x 2 x 14 Ga) 2'-10 1/4"						
FB4-23	Flange Brace (L2 x 2 x 14 Ga) 2'-10 1/2"						

DRAWING STATUS

- [ ] For Approval: These drawings, being For Approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.
- [ ] For Construction Permit
- [x] For Erector Installation

Issue	Date	Description	BY	CK'D
A	07-12-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC
metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco

Customer: J Bar D Construction Inc | Owner: Skookum Creek Tobacco

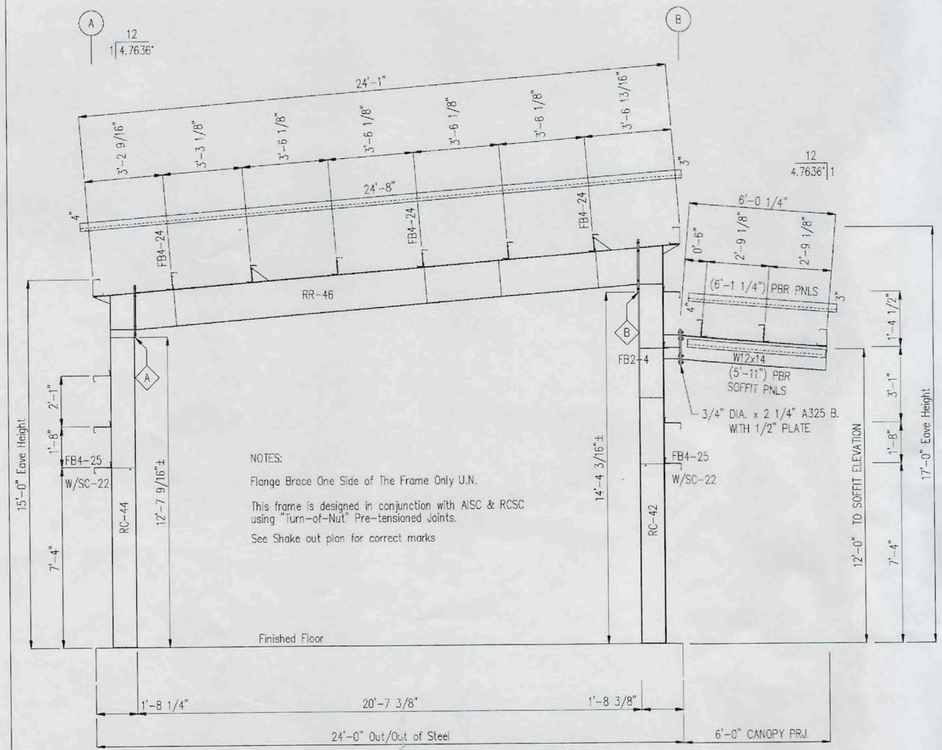
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-12-10	N.T.S.	01	AB	0805-250514	E12 of 13	0

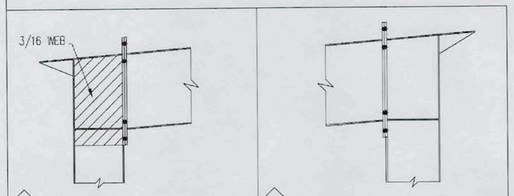
MEMBER DATA

Column data is listed from Base to Eave – Rafter data is listed from Eave to Ridge (High Side)

Mark	Outside Flange	Web	Inside Flange
RC-42	1/4 x 6 x 10-0 1/4 x 5	10 GA x 11 1/2 x 10-0 3/16 x 11 1/2	1/4 x 6 x 10-0 3/8 x 6
RC-44	1/4 x 5	10 GA x 11 1/2	1/4 x 5
RR-46	1/4 x 5 1/4 x 5 x 5-8 5/16	3/16 x 17 1/2 3/16 x 17 1/2 x 5-8 5/16	1/4 x 5 1/4 x 5 x 5-8 5/16



Main Frame Cross Section at Frame Lines: 4 (N.T.S)
(BLDG. B)



A — 1/2 x 5 x 2-1 5/8 Plate With (8) 3/4 Dia. x 2 1/4 A325

B — 1/2 x 6 x 2-1 5/8 Plate With (8) 3/4 Dia. x 2 1/4 A325

NOTES:

Flange Brace One Side of The Frame Only U.N.

This frame is designed in conjunction with AISC & RCSC using "Turn-of-Nut" Pre-tensioned Joints.

See Shake out plan for correct marks

NOTE:
A-325 WASHER REQ'D FOR EA. A-325 BOLT (TYP)

Mark	Description	Mark	Description	Mark	Description	Mark	Description
FB4-25	Flange Brace (L2 x 2 x 14 Ga) 2'-9 1/4"						
FB4-24	Flange Brace (L2 x 2 x 14 Ga) 3'-1 1/4"						
FB2-4	Flange Brace (L2 x 2 x 1/8)						

DRAWING STATUS

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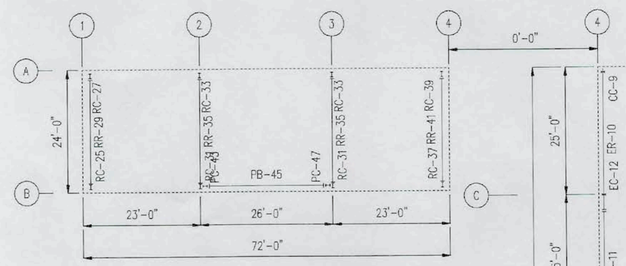
- ☐ For Construction Permit
- ☒ For Erector Installation

Issue	Date	Description	BY	CK'D
A	07-12-10	FOR CONSTRUCTION PERMIT	CRIS	AMV
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC
metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc — Owner: Skookum Creek Tobacco
Location: Shelton, WA

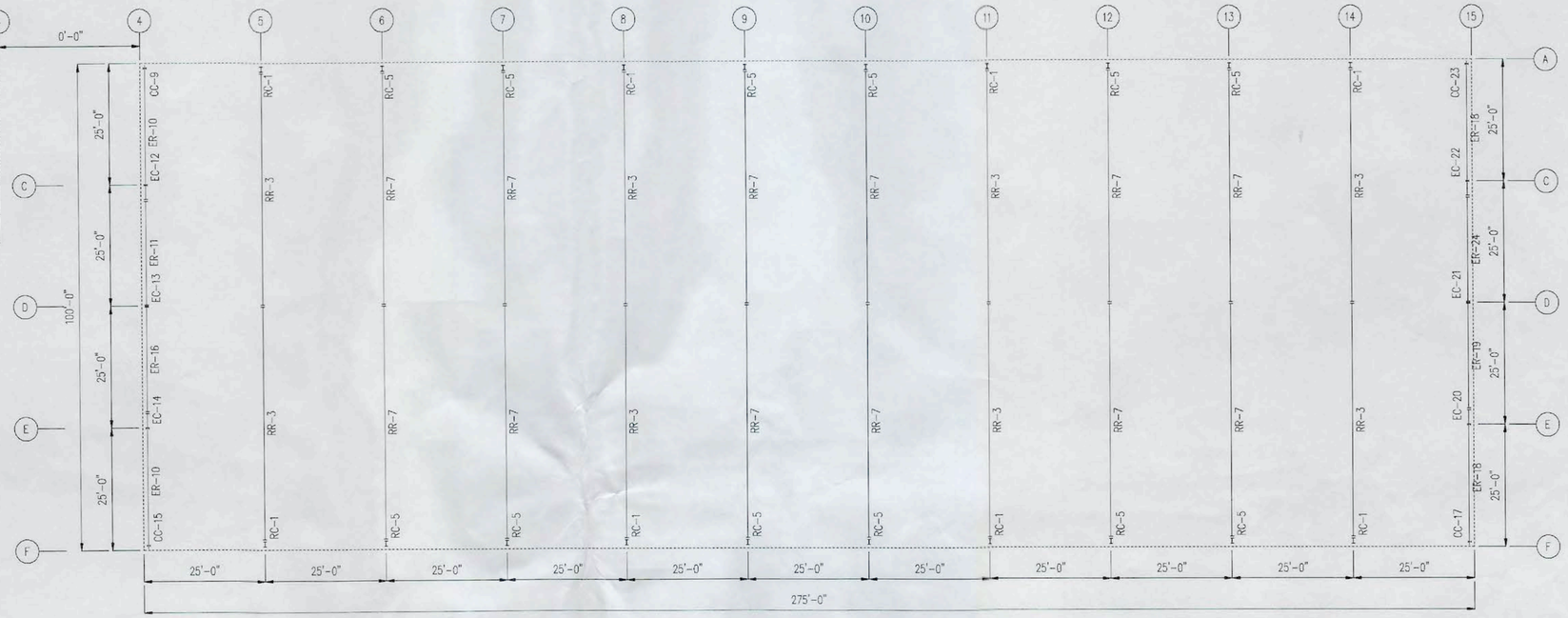
CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRIS	07-12-10	N.T.S.	01	AB	0805-250514	E13 of 13	0



SHAKE-OUT PLAN (N.T.S)

HIGH SIDE

BLDG. "B"



SHAKE-OUT PLAN (N.T.S)

BLDG. "A"

DRAWING STATUS

- [ ] For Approval: These drawings, being For Approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.
- [ ] For Construction Permit
- [x] For Erector Installation

Issue	Date	Description	BY	CK'D
0	07-13-10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC
metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

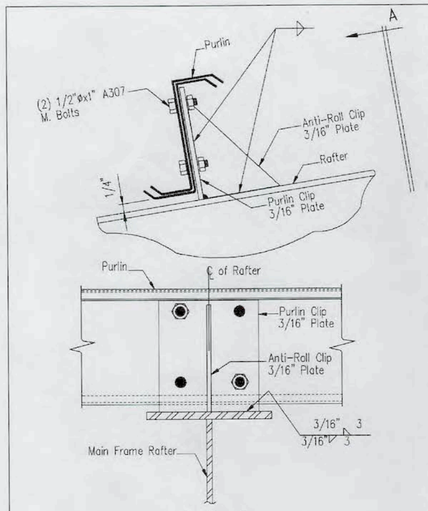
Project: Skookum Creek Tobacco

Customer: J Bar D Construction Inc | Owner: Skookum Creek Tobacco

Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
HMR	07-13-10	N.T.S.	01	A	0805-250514	S01 of 1	0

Revision 14, Entered on Jul 13, 2010 at 17:26:12 MDT/MST(Arizona, D. Yee)



Section A

Purlin Anti-Roll Clip

(at Built-up/Hot-Rolled Rafter)

08/21/09

SD0099

Connection Bolts

Bolts used to make connections in primary framing members such as columns and rafters are usually ASTM A325 bolts. Bolts used to make connections in secondary framing members such as the purlins are usually ASTM A307 bolts. The size and grade of the bolts are marked on the Building Construction Drawings.

The following information is copied from the AISC ninth edition, "Specification For Structural Joints Using ASTM A325 or A490 Bolts". This is provided to you only as a guide. It is the responsibility of you as the installer to assure proper tightness of all bolts.

Turn-Of-Nut Tightening

When turn-of-nut tightening is used, hardened washers are not required except { as otherwise indicated on the Construction Drawings.)

A representative sample of not less than three bolts and nuts of each diameter, length, and grade to be used in the work shall be checked at the start of work in a device capable of indicating bolt tension. The test shall demonstrate that the method of estimating the snug-tight condition and controlling turns from snug tight to be used by the bolting crews develops a tension not less that five percent greater than the tension required by Table 4.

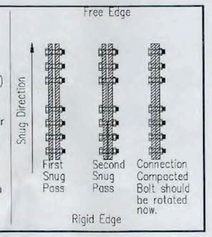
Bolts shall be installed in all holes of the connection and brought to a snug tight condition. Snug tight is defined as the tightness that exists when the plies of the joint are in firm contact. This may be attained by a few impacts of an impact wrench or the full effort of a man using an ordinary spud wrench. Snug tightening shall progress systematically from the most rigid part of the connection to the free edges, and then the bolts of the connection shall be retightened in a similar systematic manner as necessary until all bolts are simultaneously snug tight and the connection is fully compacted. Following the initial operation all bolts in the connection shall be tighteded further by the applicable amount of rotation specified in Table 5. During the tightening operation there shall be no rotation of the part not turned by the wrench. Tightening shall progress systematically from the most rigid part of the joint to its free edges. Impact wrenches, if used, shall be of adequate capacity and sufficiently supplied with air to perform the required tightening of each bolt in approximately 10 seconds.

Bolt Tightening

08/21/09

SD0238

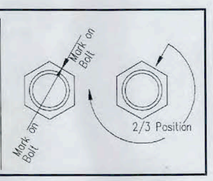
1. Install all bolts in connection.
2. Beginning at a rigid point in the connection (point with no gap), tighten each row of bolts to snug tight progressing toward the free edge(s) of the connection (edge with gap).
3. Repeat step 2 until all plies of the connection are completely pulled together with no gap present, and all bolts are snug tight.
4. Mark each bolt head or nut at its present position. Rotate bolt required amount shown in the table. Difference in mark locations will insure correct bolt tightness.



Turn-of-Nut Sequence Order

When connection is compacted and bolt is snug:

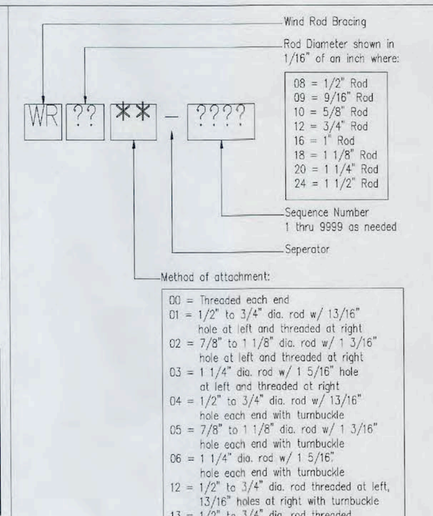
1. Mark nut and bolt location with keel or chalk.
2. Rotate nut as required per chart conditions.
3. Finished mark locations are proof that bolts have been properly tightened.



Turn-of-Nut Procedure

08/21/09

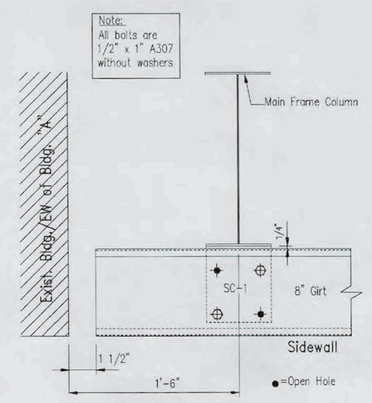
SD0238B



Wind Rod Bracing Information

08/21/09

SD0053D



Corner Detail For Bypass Sidewall-Flush Endwall

08/21/09

SD1506-X

Nominal Bolts Size, Inches	Minimum Tension[a] in 1000's of Pounds (kips)	
	A325 Bolts	A490 Bolts
1/2	12	15
5/8	19	24
3/4	28	35
7/8	39	49
1	51	64
1 1/8	56	80
1 1/4	71	100
1 3/8	85	121
1 1/2	103	148

[a] Equals to 70 percent of specified minimum tensile strengths of bolts (as specified in ASTM Specifications for tests of full size A325 and A490 bolts with UNC threads loaded in axial tension) rounded to the nearest kip.

Table 4. Fastener Tension Required for Slip-critical Connection & Connections Subject to Direct Tension

Bolts length (under side of head to end of bolt)	Disposition of Outer Face of Bolted Parts: Both faces normal to bolt axis	One face normal to bolt axis and other sloped not more than 1:20 (beveled washer not used)	Both faces sloped not more than 1:20 from normal to the bolt axis (beveled washer not used)
Up to and including 4 diameters	1/3 turn	1/2 turn	2/3 turn
over 4 diameters but not exceeding 8 diameters	1/2 turn	2/3 turn	5/6 turn
over 8 diameters but not exceeding 12 diameters[c]	2/3 turn	5/6 turn	1 turn

[a] Nut rotation is relative to bolt regardless of the element (nut or bolt) being turned. For bolts installed by 1/2 turn and less, the tolerance should be plus or minus 30 degrees; for bolts installed by 2/3 turn and more, the tolerance should be plus or minus 45 degrees.

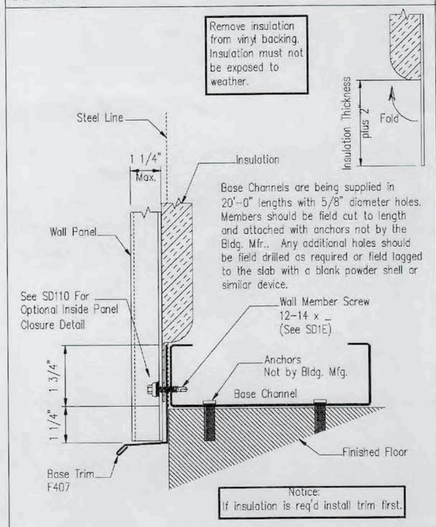
[b] Applicable only to connections in which all material within the grip of the bolt is steel.

[c] No research has been performed by the Council to establish the turn-of-nut procedure for bolt lengths exceeding 12 diameters. Therefore, the required rotation must be determined by actual test in a suitable tension measuring device which simulates conditions of solidly fitted steel.

Table 5. Nut Rotation from Snug Tight Condition[a,b]

08/21/09

SD0238A

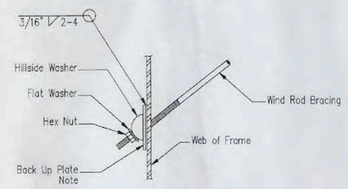


Base Channel Section

Without Panel Recess With Base Trim

01/15/10

SD0062F

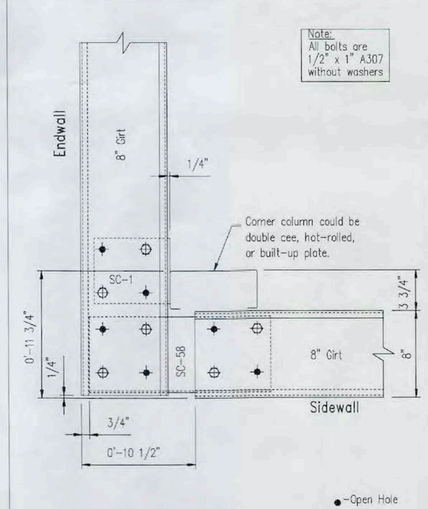


Wind Rod Bracing to Frame Connection

Note: Shop welded Back Up Plate may be located at either side of the web. (If Required By Design)

09/14/09

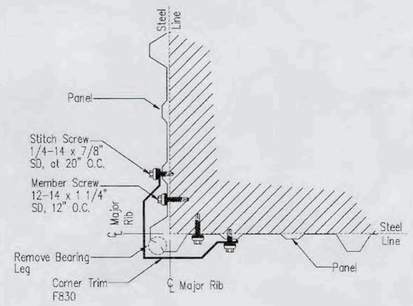
SD0053A



Corner Detail For Bypass Sidewall-Bypass Endwall

08/21/09

SD0971



"PBR" Panel Outside Corner Trim

08/21/09

SD0015

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting. If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

Issue	Date	Description	BY	CK'D
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC

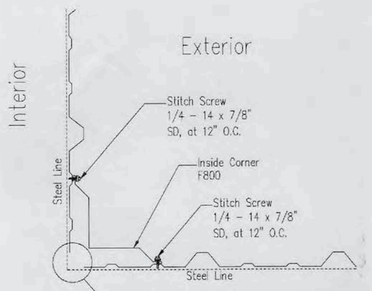
metallic building company

7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc — Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
		N.T.S.	01	AB	0805-250514	NS-1 of 10	0

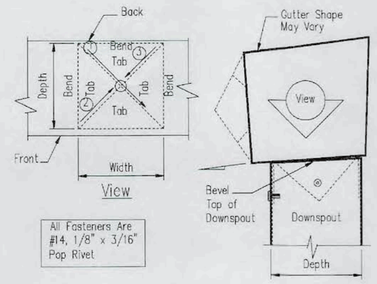
Revised 1.1, Created on Jul 12, 2010 at 10:19:23 mtc#2060\Expansion, ID: 485



PBR Panel Inside Corner Detail

08/21/09

SD0015A

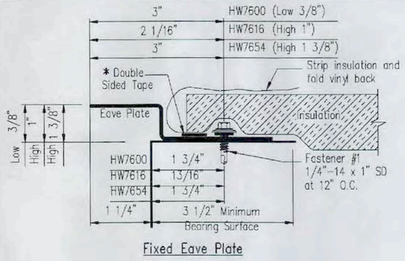


Gutter – Downspout Attachment Detail

1. Refer to the building erection drawings for the location and spacing of the downspouts. If the spacing is not known, call customer service.
2. Locate all downspouts over a major rib if possible.
3. Make a cardboard template of the downspout shape. Place the template on the bottom of the gutter and trace the outline. Remove the template and draw a line from corner to corner, forming an "X" pattern.
4. Drill a hole at the center of the "X". Using tin snips, cut along the lines of the X only. Do not cut along the outside lines of the downspout square.
5. Bend each triangular tab down toward the ground, 90 degrees to the bottom of the gutter.
6. Position the top of the downspout under the gutter. Make sure all four gutter tabs are on the inside of the downspout.
7. Install (1) Fastener#14, 1/8" x 3/16" Pop Rivet through the downspout into the gutter tabs. Only the two sides and the front of the downspout will receive fasteners.

08/21/09

SD0009A

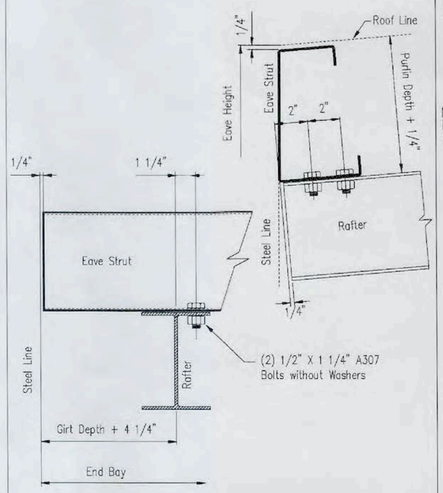


Fixed Eave Plate

* Not by metal building manufacturer
Apply double sided tape as necessary

08/21/09

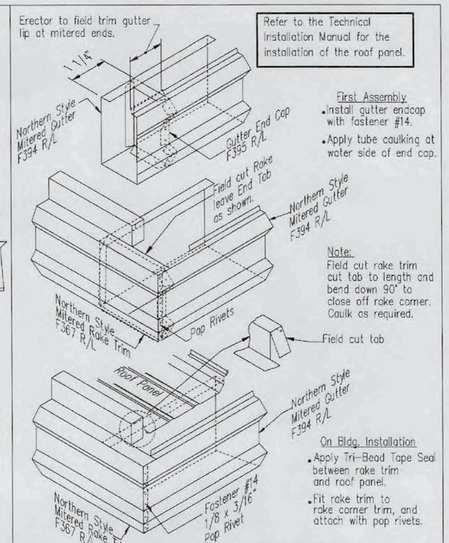
SD0146-X



Eave Strut Connection at Bearing Frame
End Bay–Hot Roll Rafter–ByPass Girt Endwall

08/21/09

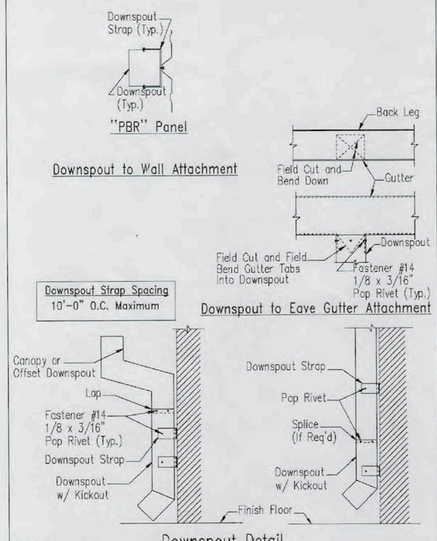
SD0785



Northern Style Trim System
UD/DL – Metallic – Gutter To Rake Corner Detail

08/21/09

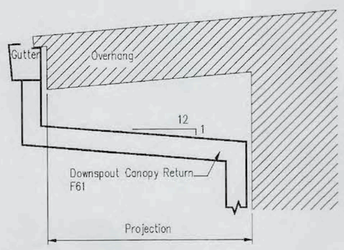
SD1107



Downspout Detail

08/21/09

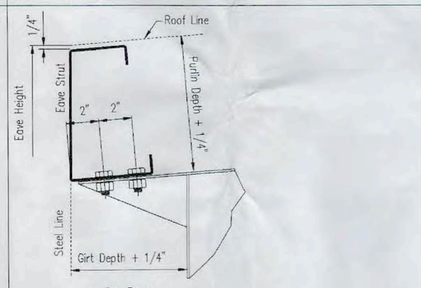
SD0009-X



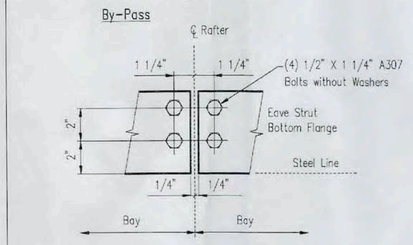
Eave Canopy Downspout Detail

08/21/09

SD0009B



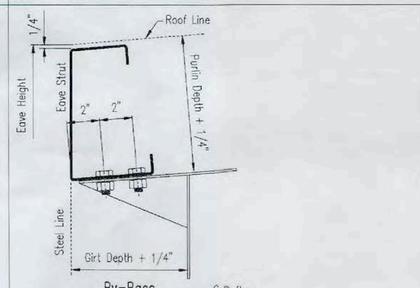
By-Pass



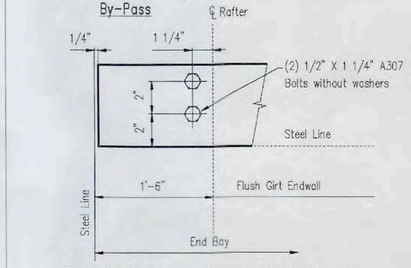
Eave Strut Connection at Main Frame
Interior Bay

08/21/09

SD0780-X



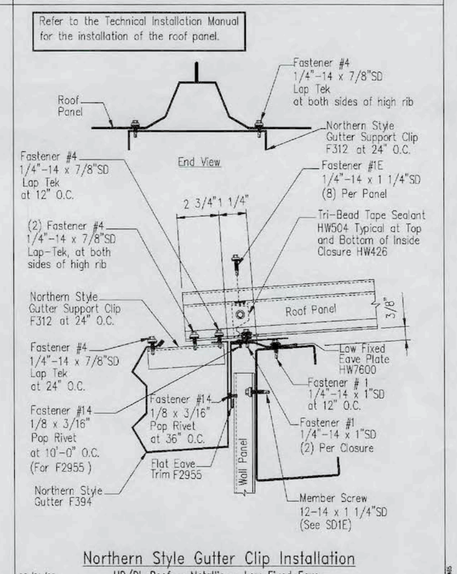
By-Pass



Eave Strut Connection at Main Frame
End Bay

08/21/09

SD1505-X



Northern Style Gutter Clip Installation
UD/DL Roof – Metallic – Low Fixed Eave

08/21/09

SD1103

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

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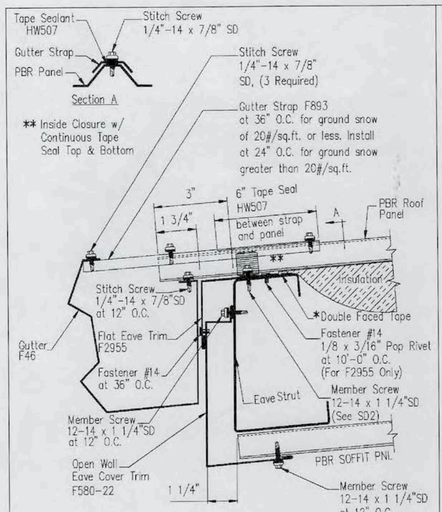
Issue	Date	Description	BY	CK'D
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC
metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tabacco						
Customer: J Bar D Construction Inc					Owner: Skookum Creek Tobacco	
Location: Shelton, WA						
CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number / Issue
		N.T.S.	01	AB	0805-250514	NS-2 of 10 / 0

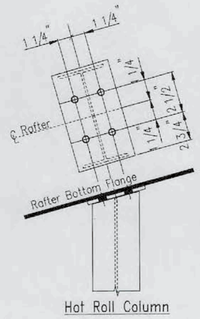


Low Eave Detail

Standard Gutter – Partially Open Wall – PBR Roof Panel

3/17/2010

SD0927A-X



Hot Roll Column

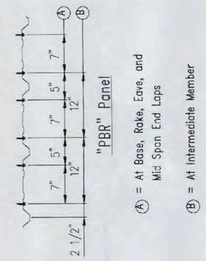
Hot Roll Rafter Column Connections

Cap Plate – 4 Bolts Only

All holes are 11/16" diameter

08/21/09

SD0671



Wall Panel Member Fastener Location

08/21/09

SD0001E-X

FASTENER #1

1/4"-14 x 1" Driller
5/16" Hex Washer Head w/ 5/8" O.D. Washer

FASTENER #1E

1/4"-14 x 1 1/4" Long Life Driller
5/16" Hex Washer Head w/ Sealing Washer

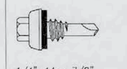
FASTENER #3

12-14 x 1 1/4" Long Life Driller
5/16" Hex Washer Head w/ Sealing Washer

FASTENER #1B

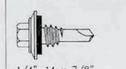
1/4"-14 x 1 1/4" Driller
5/16" Hex Washer Head

FASTENER #4



1/4"-14 x 7/8" Long Life Lap TEK
5/16" Hex Washer Head w/ Sealing Washer

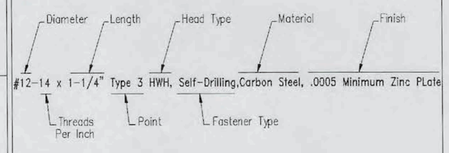
FASTENER #4A

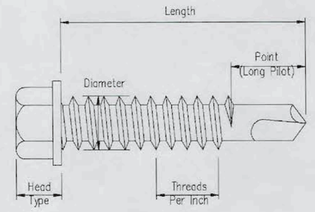


1/4"-14 x 7/8" Lap TEK
5/16" Hex Washer Head w/ 5/8" O.D. Washer

SD0823

Example:



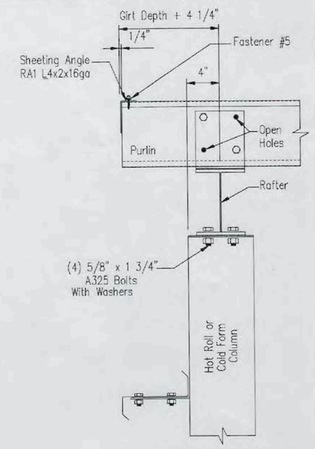


Self Drilling Fastener Terminology

08/21/09

SD0007

All Bolts 1/2" x 1" A307 Without Washers Unless Noted



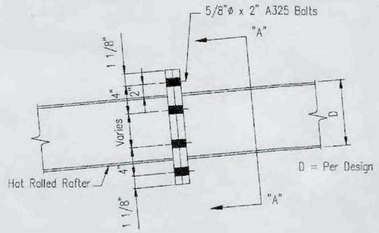
4 Bolt Connection

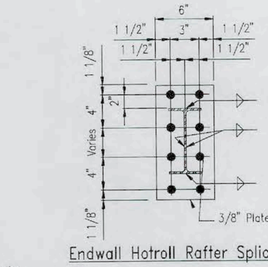
Bearing Frame Endwall Column

Bypass Endwall-Hot Roll or Built-up Rafter

08/21/09

SD0012A-X

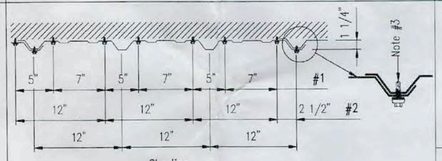


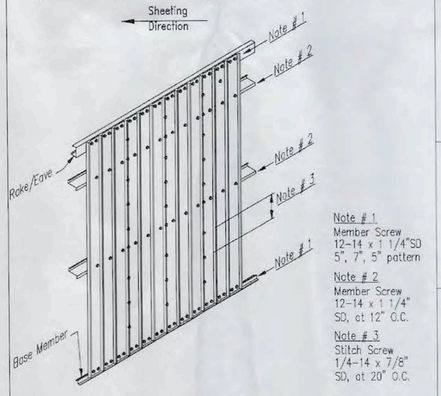


Endwall Hotroll Rafter Splice Conn.

08/21/09

SD0240





Note # 1
Member Screw
12-14 x 1 1/4"SD
5", 7", 5" pattern

Note # 2
Member Screw
12-14 x 1 1/4"
SD, at 12" O.C.

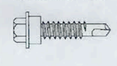
Note # 3
Stitch Screw
1/4-14 x 7/8"
SD, at 20" O.C.

Fastener Location "PBR" Panel At Wall

08/21/09

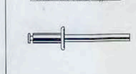
SD0001

FASTENER #5



1/4-14 x 1 1/4"
Shoulder TEK 2
5/16" Hex Head

FASTENER #14



1/8" x 3/16" Pop Rivet

FASTENER #12A

12 x 1 Pancake Self Driller

FASTENER #17A

12-14 x 1 1/4" Driller
5/16" Hex Washer Head w/ 5/8" O.D. Washer

08/21/09

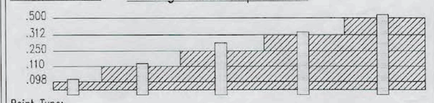
SD0823A

Self-drilling fasteners are designed to drill the material and tap the hole. Material thickness is an important consideration when determining the proper point diameter. The point diameter is described as the point TYPE. Point types Are as follows:

Type 1: Light gauge application
Type 2: Medium light gauge application
Type 3: Medium gauge application
Type 4: Medium heavy gauge application
Type 5: Heavy gauge application

The point diameter allows the threads to tap into the material without excessive force which can break the shank, or very low force which can easily strip-out the material during seating torque. Each point type has a specific FLUTE length which allows the chip to escape from the hole during the drilling operation. Depending on the application, some drill screws require a special PILOT section. The pilot section is the area that is unthreaded on the drill point. The pilot area is important to the performance of the fastener. The reason for the pilot area is so that the drilling of the hole is completed before the threads engage. If the threads engage before the drilling is completed, the drill point will have a tendency to burn because the threads will force the point into the material.

Material Thickness: **Drilling Point Capabilities**



Point Type:

Type 1 Light Duty	Type 2 Medium Duty	Type 3 Medium Duty	Type 4 Heavy Duty	Type 5 Heavy Duty
#10 (.035-.090)	#6 (.035-.098)	#8 (.100-.140)	#12 (.145-.312)	#12 (.250-.500)
#12 (.035-.090)	#8 (.035-.100)	#10 (.110-.175)		
1/4" (.035-.090)	#10 (.090-.110)	#12 (.090-.210)		
#18 (.035-.098)	#12 (.050-.140)	1/4" (.110-.250)		

08/21/09

Self-Drilling Fasteners

SD0007A

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

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Issue	Date	Description	BY	CK'D
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC

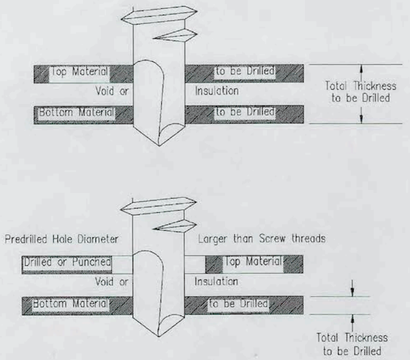
metallic building company

7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40339
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
		N.T.S.	01	AB	0805-250514	NS-3 of 10	0

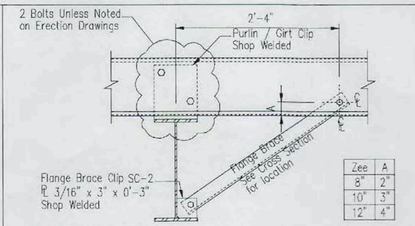
The length of the tip required on a drilling fastener is determined by adding the thickness of the top material, any insulation or void between the top material and bottom material, and the thickness of the bottom material. If a hole larger than the screw thread has been pre-drilled or punched into the top material, only the thickness of the bottom material need be considered. (The threaded portion of the shank must be long enough to extend into and through the bottom material drilled.)



Drilling Tip Length Determination

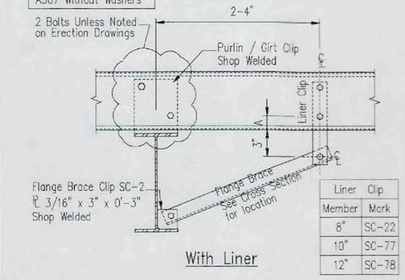
08/21/09

SD0007B



All Bolts are 1/2" x 1" A307 Without Washers

Without Liner



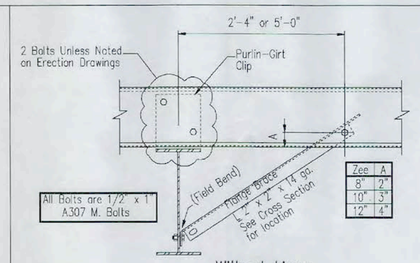
With Liner

By-Pass Clip Bolted Flange Brace Detail

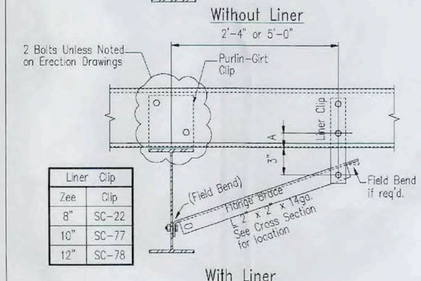
Type FB2 or FB5 Flange Brace

08/21/09

SD0006T



Without Liner

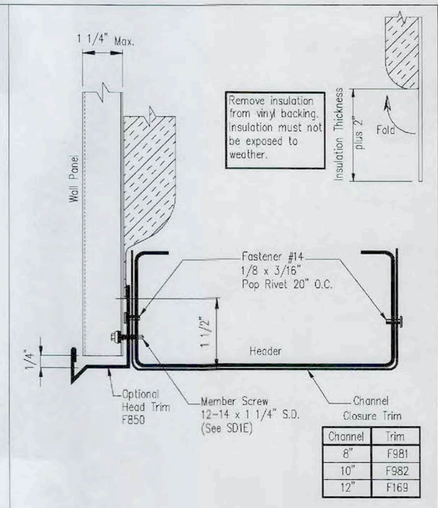


With Liner

By-Pass Web Bolted FB4 Flange Brace Detail

08/21/09

SD0006U

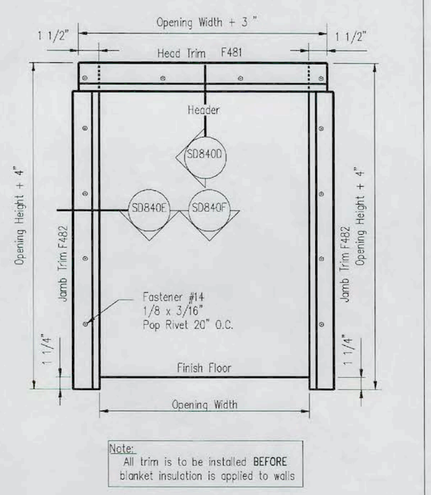


Optional 3 Sided Framed Opening Trim Installation

Head Trim

08/21/09

SD0023-1



Note:
All trim is to be installed **BEFORE** blanket insulation is applied to walls

Three Sided Framed Opening

PBR Trim Installation

08/21/09

SD0840A

Standard Grade

Description	Fastener Number	Application
1/4"-14 x 7/8" Type 2	4A	Stitch & Trim Screw
12-14 x 1 1/4" Type 2	17A	Member Screw (Up To 4" Insulation)
12-14 x 1 1/2" Type 2	17B	Member Screw (Up To 6" Insulation)

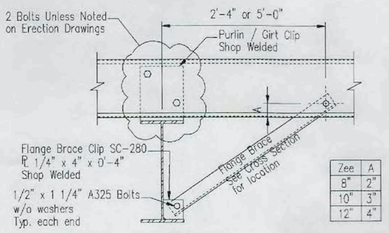
Long Life

Description	Fastener Number	Application
1/4"-14 x 7/8" Type 1	4	Stitch & Trim Screw
12-14 x 1 1/4" Type 2	3	Member Screw (Up To 4" Insulation)
12-14 x 1 1/2" Type 2	3A	Member Screw (Up To 6" Insulation)

Self-Drilling Screw Application

08/21/09

SD0007C



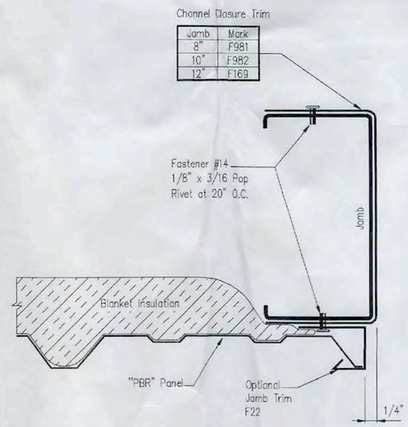
Without Liner

By-Pass Clip Bolted Flange Brace Detail

Type FB3 Flange Brace

08/21/09

SD0006Z

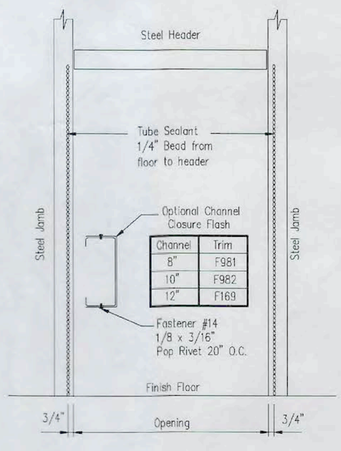


Optional Framed Opening Jamb Trim Detail

"PBR" Panel

08/21/09

SD0022C



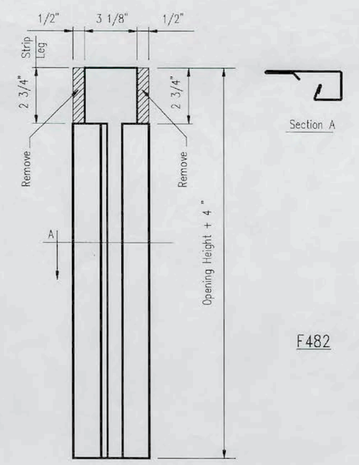
Three Sided Framed Opening

PBR Tube Sealant Application

Optional "Channel Closure Flashing" must be installed before tube sealant is applied.

08/21/09

SD0840



Three Sided Framed Opening

PBR Jamb Trim Installation

08/21/09

SD0840B

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

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Issue	Date	Description	BY	CK'D
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC
metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
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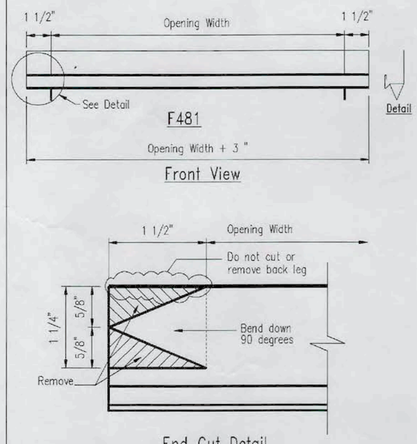


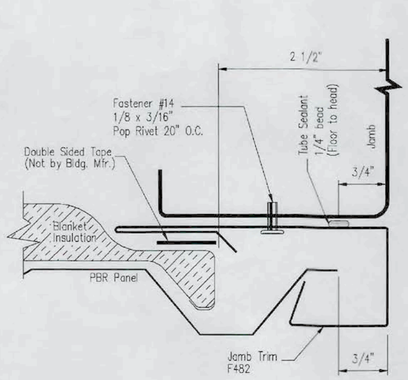
Front View

End Cut Detail

Three Sided Framed Opening
PBR Header Trim Installation

08/21/09

SD0840C

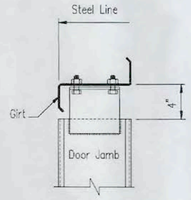


Note:
All trim is to be installed BEFORE blanket insulation is applied to walls

Three Sided Framed Opening
PBR Jamb Trim Detail

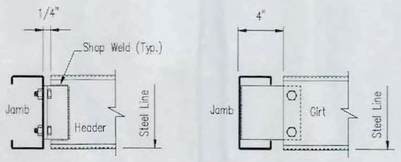
08/21/09

SD0840E



Jamb To Girt Conn.

All connection bolts are 1/2" x 1" Mach. Bolts



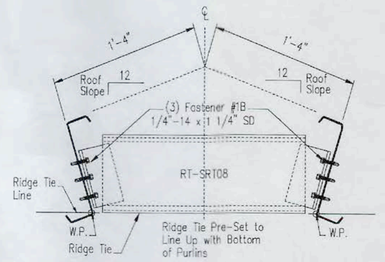
Header To Jamb Conn.

Girt To Jamb Conn.

Framed Opening with Welded Clips

08/21/09

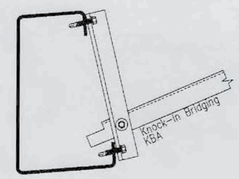
SD0017A-X



Ridge Tie Installation

08/21/09

SD0059B



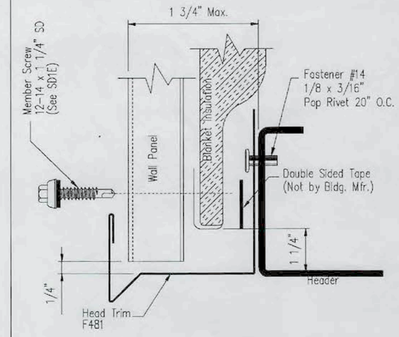
For Roof Slopes Less Than 3:12

All fasteners shown are #1B
1/4-14 x 1 1/4" Self Drill (3) Required

Knock-In-Bridging Attachment
Low Side Eave Strut

08/21/09

SD0410-X

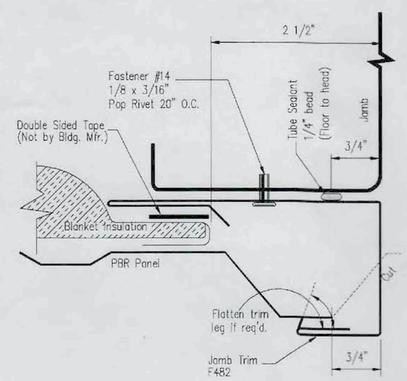


Note:
All trim is to be installed BEFORE blanket insulation is applied to walls

Three Sided Framed Opening
PBR Head Trim Detail

08/21/09

SD0840D



Note:
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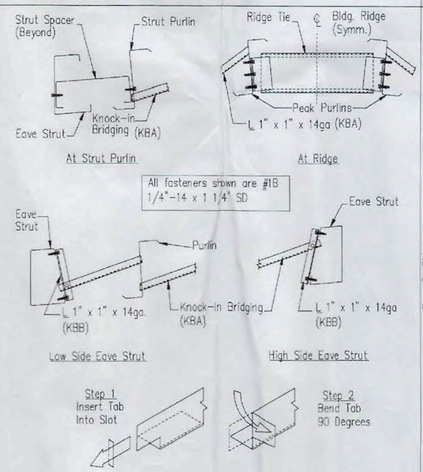
Three Sided Framed Opening
PBR Jamb Trim Detail

08/21/09

SD0840F

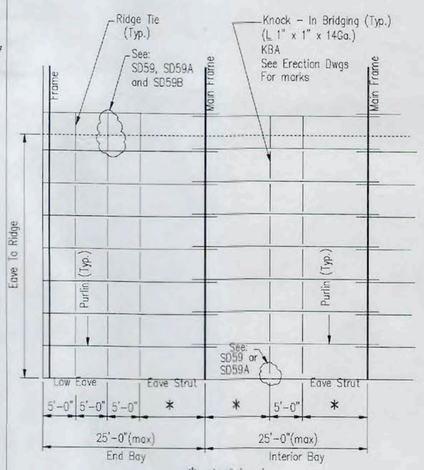


Note: The bridging must be inserted into the pre-punched slot in the purlin, as shown, and the tab bent side ways for proper installation. The process must be complete for the bridging to function as designed.

Knock-In Bridging Installation
(For Roof Slopes Below 3:12)

08/21/09

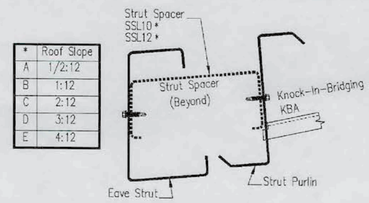
SD0059



Knock-In Bridging Layout
Double Slope Roof - up to 25' Bays
Standing Seam Roof

08/21/09

SD0059D



*	Roof Slope
A	1/2:12
B	1:12
C	2:12
D	3:12
E	4:12

For Roof Slopes Less Than 3:12

All fasteners shown are #1B
1/4-14 x 1 1/4" Self Drill (6) Required

Knock-In-Bridging Detail
Eave With Strut Purlin

08/21/09

SD0410B-X

NOTE:

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Issue	Date	Description	BY	CK'D
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC

metallic building company
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
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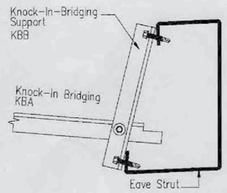
Release 13, Created on Jul 12, 2010 at 10:50:05 (MCAD)(S)(typical).dc (40)



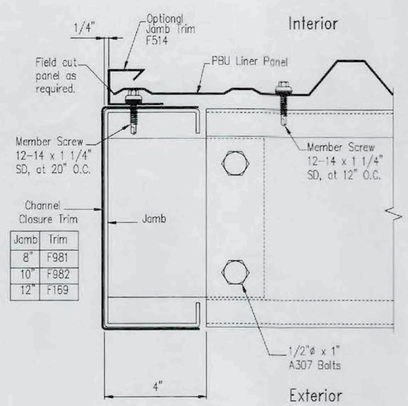
For Roof Slopes Less Than 3:12

All fasteners shown are #18
1/4-14 x 1 1/4" Self Drill (3) Required

Knock-In-Bridging Attachment
High Side Eave Strut

08/21/09

SD0411-X



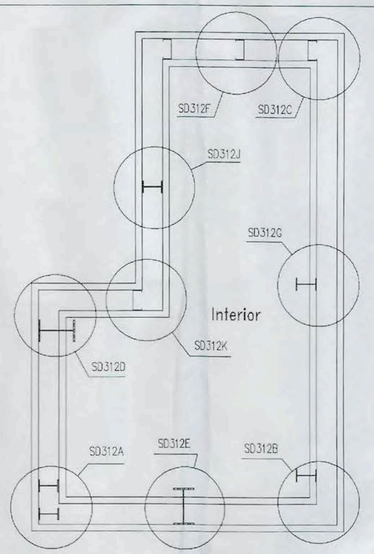
Jamb	Trim
8"	F981
10"	F982
12"	F169

This drawing refers to liner conditions only. Refer to additional details for exterior sheeting and trim conditions.

PBU Liner at Framed Opening Jamb

08/21/09

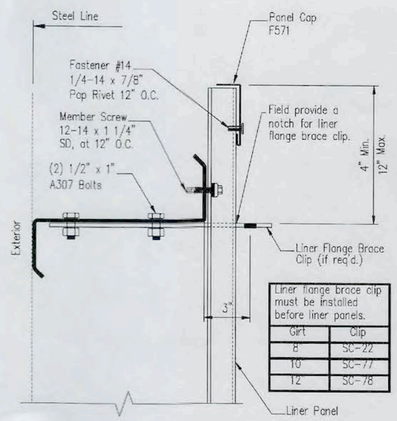
SD0313C-X



PBU Liner Panel Plan

08/21/09

SD0312-X



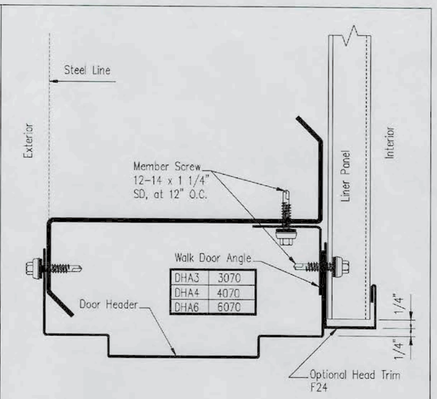
Girt	Clip
8	SC-22
10	SC-77
12	SC-78

This drawing refers to liner conditions only. Refer to additional details for exterior sheeting and trim conditions.

PBU Wall Liner

08/21/09

SD0312Q-X



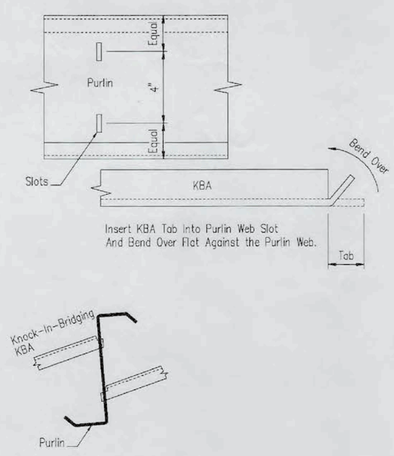
DHA3	3070
DHA4	4070
DHA6	6070

This drawing refers to liner conditions only. Refer to additional details for exterior sheeting and trim conditions.

PBU Liner at Walk Door Header

08/21/09

SD0313F-X

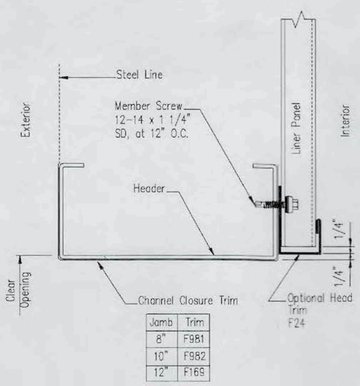


For Roof Slopes Less than 3:12

Knock-In-Bridging Attachment
At Interior Purlin

08/21/09

SD0412-X



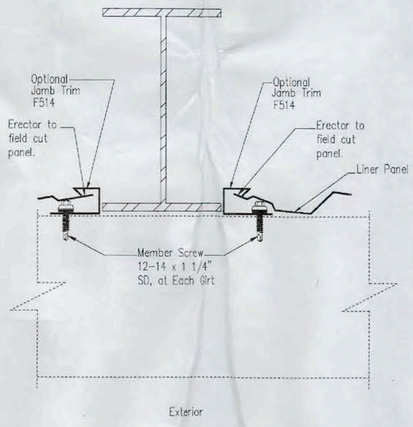
Jamb	Trim
8"	F981
10"	F982
12"	F169

This drawing refers to liner conditions only. Refer to additional details for exterior sheeting and trim conditions.

PBU Liner at Framed Opening Header

08/21/09

SD0313D-X

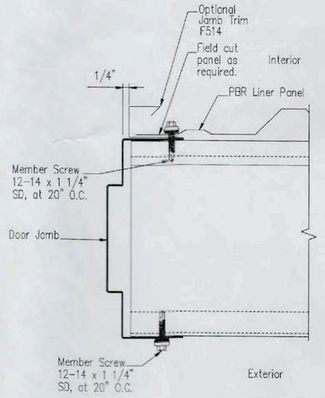


This drawing refers to liner conditions only. Refer to additional details for exterior sheeting and trim conditions.

PBU Wall Liner At Interior Column
By-Pass Girts

08/21/09

SD0312G-X

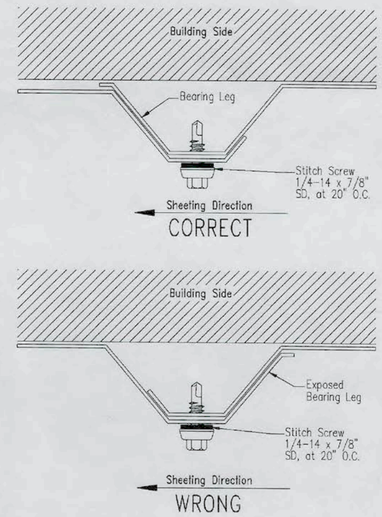


This drawing refers to liner conditions only. Refer to additional details for exterior sheeting and trim conditions.

PBU Liner at Walk Door Jamb

08/21/09

SD0313E-X



PBR Panel Side Lap

08/21/09

SD0016A

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

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Issue	Date	Description	BY	CK'D
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC

metallic building company

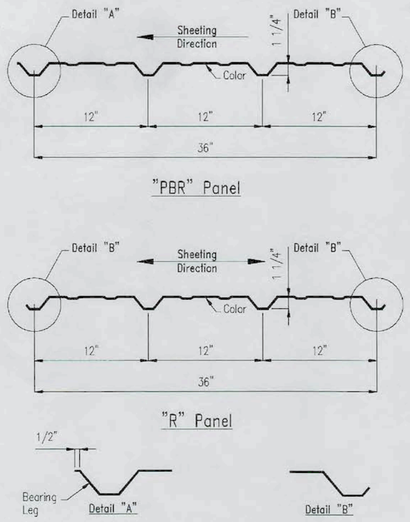
7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco

Customer: J Bar D Construction Inc | Owner: Skookum Creek Tobacco

Location: Shelton, WA

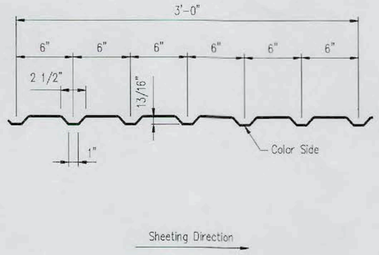
CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
CRS	07-12-10	N.T.S.	01	AB	0805-250514	NS-6 of 10	0



08/21/09

PBR and R Panel Profiles

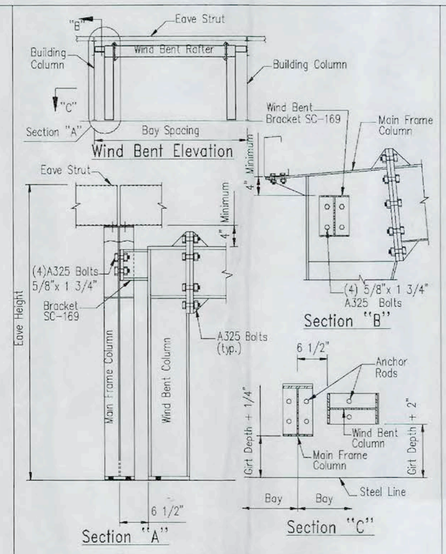
SD0016C



08/21/09

PBU Panel Profile

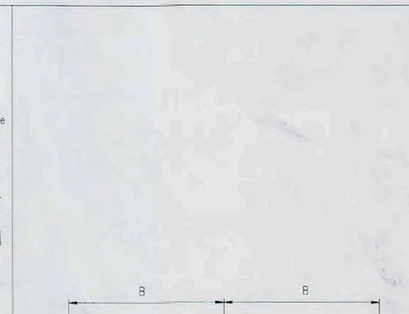
SD0686



08/21/09

By Pass Main Frame at Wind Bent

SD0052A

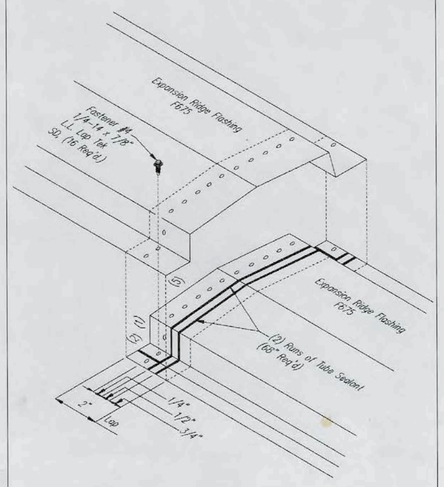


Lap Detail

08/21/09

By-Pass Purlin / Girt Lap Details

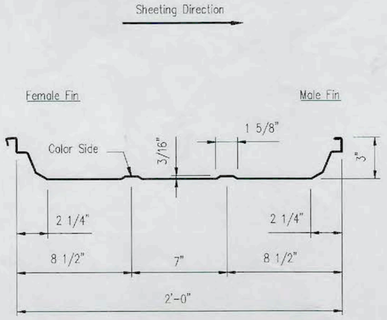
SD1504-X



08/21/09

Expansion Ridge Lap

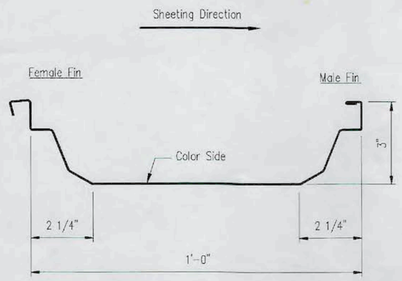
SD0905



08/21/09

24" Double-Lok Panel Profile

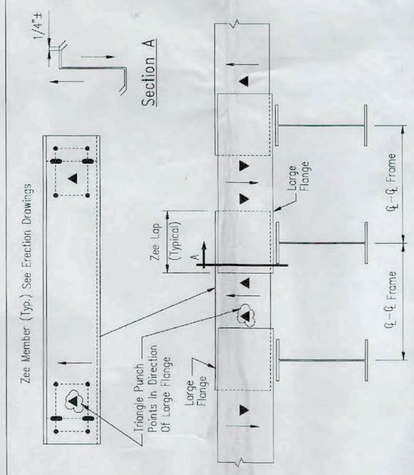
SD0688



08/21/09

12" Double-Lok Panel Profile

SD0688B



The large leg of the Zee must be alternated from top to bottom in order to nest the member correctly. A triangle has been added to the end of the Zee near the connection holes, that will point to the large leg of the member.

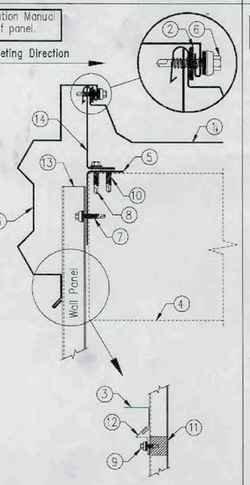
08/21/09

By-pass Zee Installation

SD0006Y

Refer to the Technical Installation Manual for the installation of the roof panel.

1. Roof Panel UD/DL
2. Tri-Bead Tape Sealant HW504
3. Northern Style Rake Trim F367
4. Purlin
5. Rake Angle RA1 4" x 2" x 16ga.
6. Fastener #1E 1/4"-14 x 1 1/4" SD, at 12" O.C.
7. Member Screw 12-14 x 1 1/4" SD, (See SD1E)
8. Fastener #5 1/4"-14 x 1 1/4" Shoulder Tek 2 NW SD, at 24" O.C.
9. Fastener #4 1/4"-14 x 7/8" SD at 12" O.C.
10. Fastener #12A 12-14 x 1" Pancake Head, SD at each purlin
11. Outside Panel Closure (up to 4:12 RS) (See SD106)
12. Rake Slide Flashing F115
13. 1 1/4" Wall Panel
14. Rake Support Angle Low System = HW7710 High System = HW7720



Floating Panel Clips

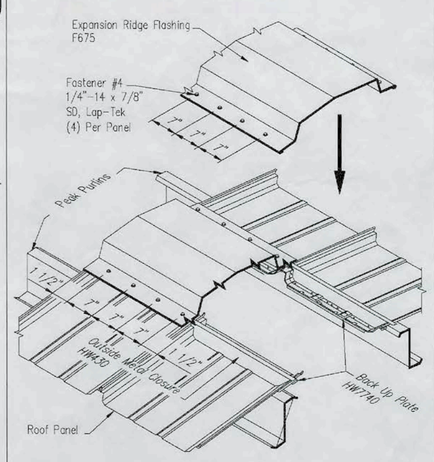
Northern Style Trim

08/21/09

Metallic - Ultra-Dek/Double-Lok Roof Screw Down Wall

SD0386

Note: Refer to Technical Installation Manuals for the installation of the roof panels at the ridge.



Ultra-Dek/Double-Lok Roof Expansion Ridge Detail

08/21/09

SD0915

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

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Issue	Date	Description	BY	CK'D
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SCT

METALLIC

metallic building company

7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco

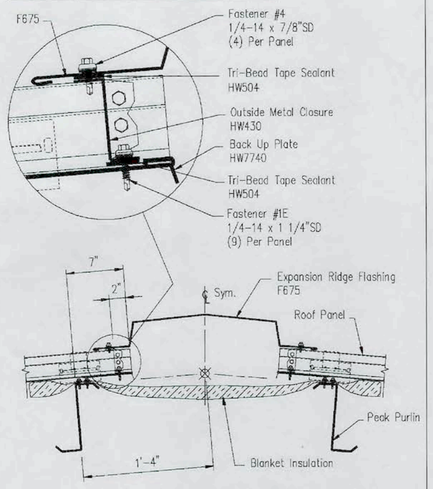
Customer: J Bar D Construction Inc | Owner: Skookum Creek Tobacco

Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
		N.T.S.	01	AB	0805-250514	NS-7 of 10	0

Version 14, Created on Jul 12, 2010 at 10:39:25, mfg\0805\prjmast, © MBCI

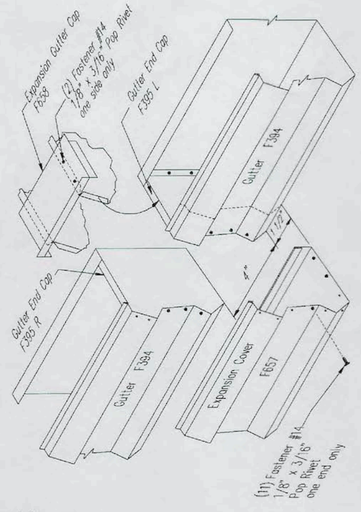
Note: Refer to Technical Installation Manuals for the installation of the roof panels at the ridge.



Ultra-Dek/Double-Lok Roof Expansion Ridge Detail

08/21/09

SD0915A



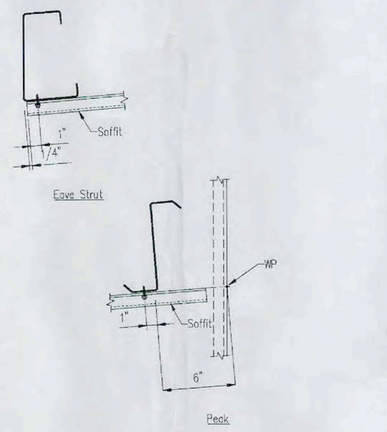
Northern Style Gutter Expansion Lap Detail

Metallic - PBR, UD/DL, BL/SL Roof - 100'-0" Max

08/21/09

SD0936

All fasteners shown are #12-14 x 1 1/4 self drilling member screws.

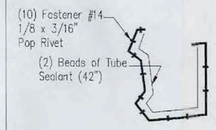


PBR Soffit End Lap Details

08/21/09

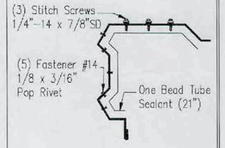
SD0309-X

Standard Eave Gutter



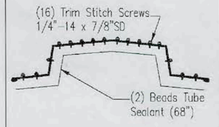
Note: 2" Min. Lap

Standard Rake Trim



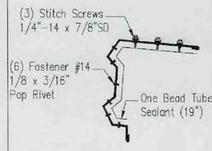
Note: 2" Min. Lap

Expansion Ridge Trim F675



Note: 2" Min. Lap

Standard High Side Eave Trim



Note: 2" Min. Lap

08/21/09

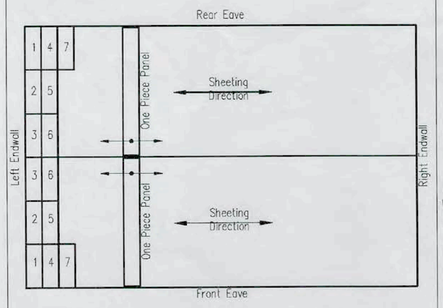
Metallic Trim Laps

SD0080

03/31/10

Ridge, Parapet, and Fascia Trim Laps

SD0082-X

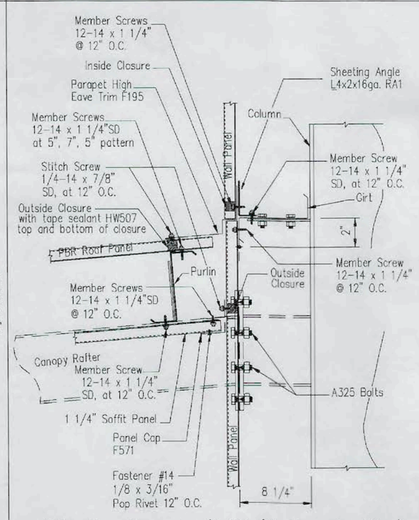


Each side of the roof can be installed separately or both sides simultaneously, from opposite ends or the same end.

Ultra-Dek or Double-Lok Sheeting Layout

04/30/10

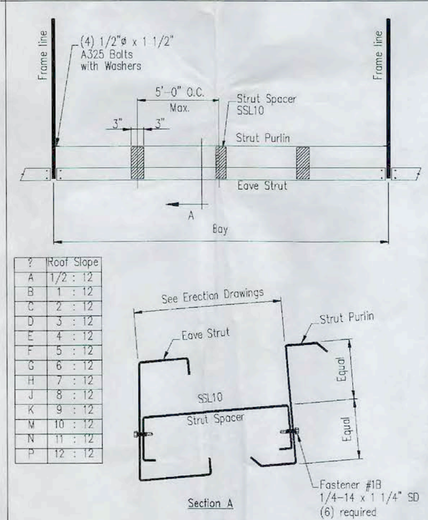
SD0145



Below Eave Canopy w/Soffit (By-Pass Condition) PBR Roof - 1 1/4" Wall Panel - Zee Girt

08/21/09

SD0040A-X



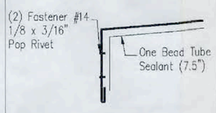
?	Roof Slope
A	1/2 : 12
B	1 : 12
C	2 : 12
D	3 : 12
E	4 : 12
F	5 : 12
G	6 : 12
H	7 : 12
J	8 : 12
K	9 : 12
M	10 : 12
N	11 : 12
P	12 : 12

Strut Purlin at Low Eave

08/21/09

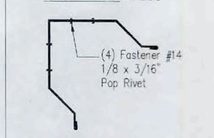
SD0085

Flat Eave Trim F2955



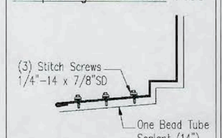
Note: 2" Min. Lap

Corner Trim F830



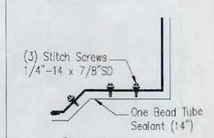
Note: 2" Min. Lap

Parapet High Eave Trim F195



Note: 2" Min. Lap

Roof Conversion Trim F852



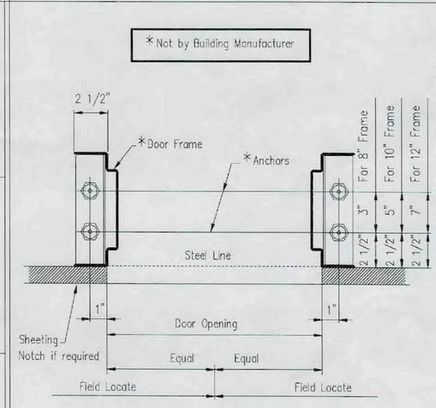
Note: 2" Min. Lap

08/21/09

Eave, Corner, and Tie-in Trim Laps

SD0081-X

*Not by Building Manufacturer



Knock Down Walk Door Anchor Placement

The base anchors required to attach the door frame to the foundation are not the responsibility of the building manufacturer. It is recommended that (2) 1/2" diameter anchors per base be used. The type and length of the anchor should be determined by a qualified foundation engineer.

08/21/09

SD0018

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Issue	Date	Description	BY	CK'D
0	7/16/10	FOR ERECTOR INSTALLATION	HMR	SGT

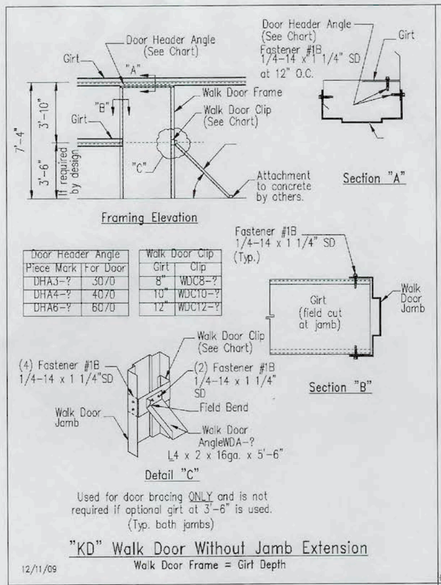
METALLIC

metallic building company

7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc — Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
		N.T.S.	01	AB	0805-250514	NS-8 of 10	0

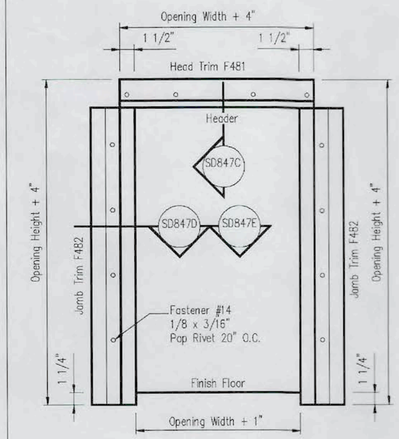


"KD" Walk Door Without Jamb Extension

Walk Door Frame = Girt Depth

12/11/09

SD0020

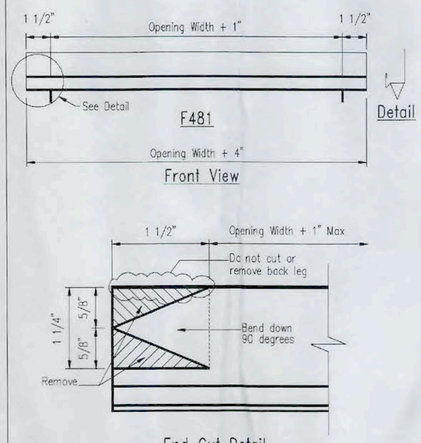


Note: All trim is to be installed BEFORE blanket insulation is applied to walls

Walk Door PBR Trim Installation

08/21/09

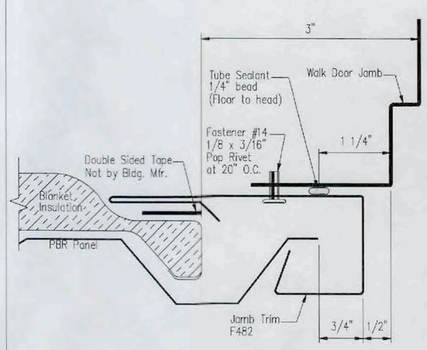
SD0847



Walk Door PBR Header Trim Installation

08/21/09

SD0847B

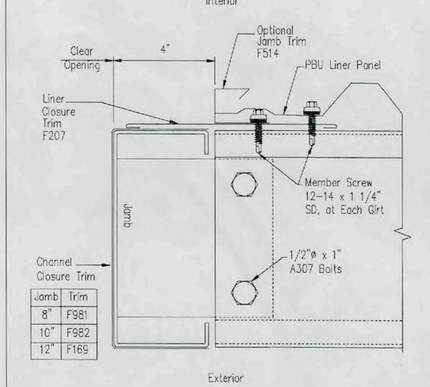


Note: All trim is to be installed BEFORE blanket insulation is applied to walls

Walk Door PBR Jamb Trim Detail

08/21/09

SD0847D

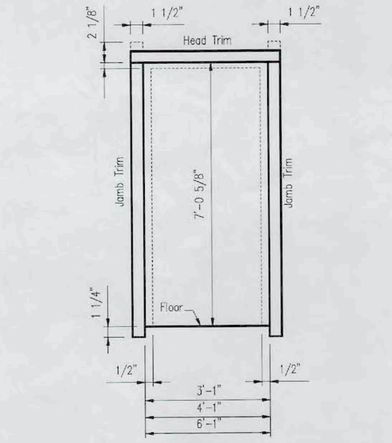


This drawing refers to liner conditions only. Refer to additional details for exterior sheeting and trim conditions.

PBU Liner at O.H. Door Jamb

08/21/09

SD0313A-X



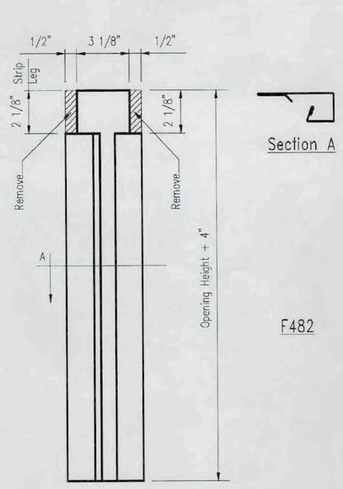
Door | Head | Jamb
3070 | 3'-4" | 7'-4"
4070 | 4'-4" | 7'-4"
6070 | 6'-4" | 7'-4"

Wall Panel | Head Trim | Jamb Trim
PBR | F481 | F482
PBA | F481 | F483
RVPBR | F481 | F483

Walk Door Trim Layout

08/21/09

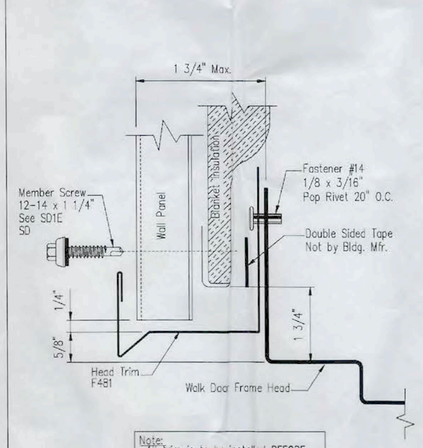
SD0846



Walk Door PBR Jamb Trim Installation

08/21/09

SD0847A

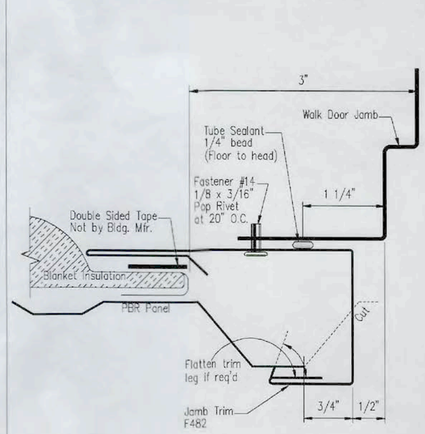


Note: All trim is to be installed BEFORE blanket insulation is applied to walls

Walk Door PBR Head Trim Detail

08/21/09

SD0847C

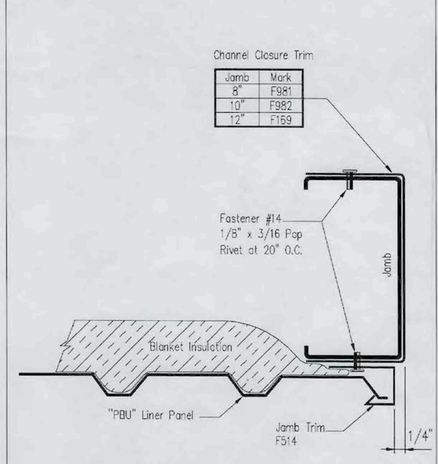


Note: All trim is to be installed BEFORE blanket insulation is applied to walls

Walk Door PBR Jamb Trim Detail

08/21/09

SD0847E



Framed Opening Jamb Trim Detail
"PBU" Panel

08/21/09

SD0022B

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

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Issue	Date	Description	BY	CK'D
0	7/16/10	FOR ERECTOR IONSTALLATION	HMR	SCT

METALLIC

metallic building company

7301 FAIRVIEW • HOUSTON, TEXAS • P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco

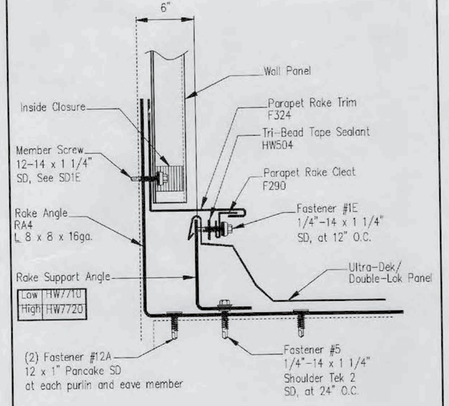
Customer: J Bar D Construction Inc | Owner: Skookum Creek Tobacco

Location: Shelton, WA

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
		N.T.S.	01	AB	0805-250514	NS-9 of 10	0

Release 11.5, Content ver. 14.12, 2010 at 10:18:36 AM/ADD/symbols.IC.485

Refer to the Technical Installation Manual for installation of roof panel.

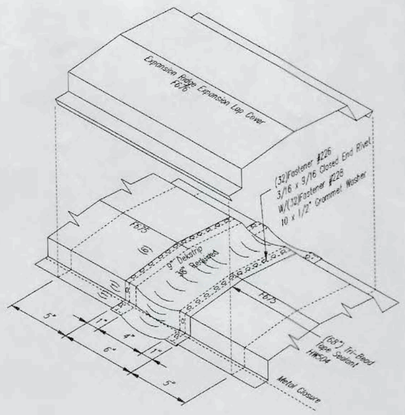


Beginning Parapet Rake at Sheeted Wall

UD/DL Panel

08/21/09

SD1475



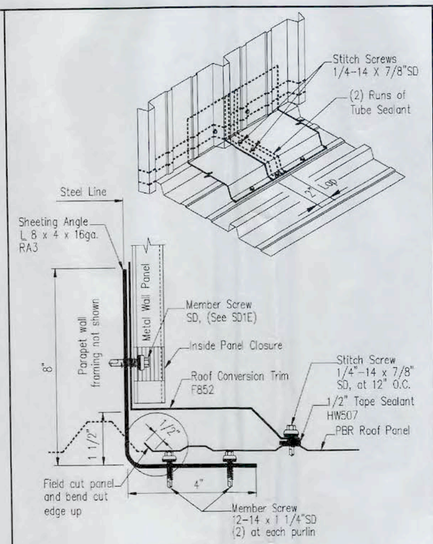
Expansion Ridge Expansion Lap

(Required At 100'-0 Intervals)

Fold the edge of the DEKSTRIP over the F675 making sure that the end of the DEKSTRIP is past the uphill edge of the metal outside closure. Do not fasten the Expansion Lap Cover F676 down to the Expansion Ridge. Use duck-bill pliers to crimp the flange of the Expansion Lap Cover over the Expansion Ridge trim.

08/21/09

SD0906

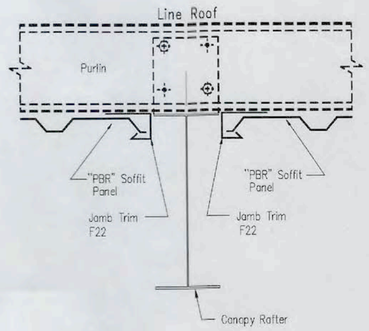


Parapet Rake at Metal Wall

PBR Panel

08/21/09

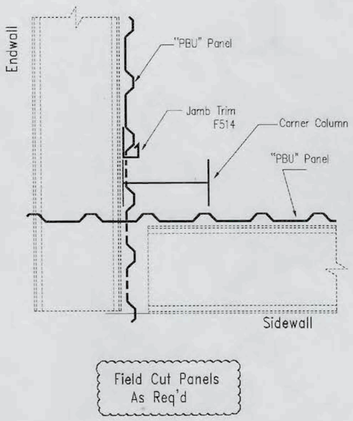
SD0456



Detail For Soffit Canopy Bypass Purlins

08/21/09

SD0312G-X

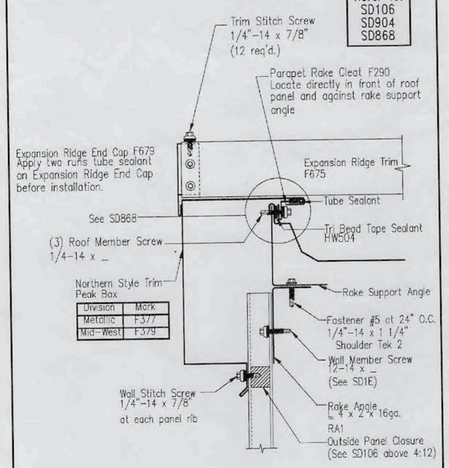


Corner Detail For Bypass Sidewall-Bypass Endwall

08/21/09

SD0971

Refer to: SD106 SD904 SD868

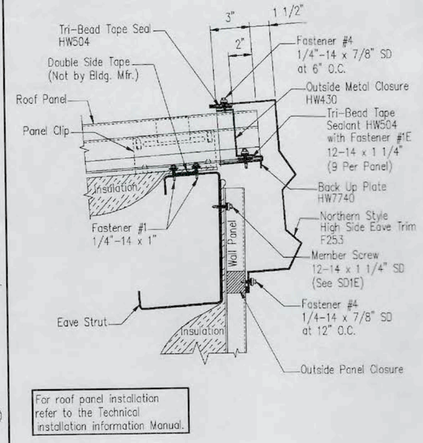


Ultra-Dek or Double-Lok Expansion Ridge End Cap

Northern Trim

01/15/10

SD0366



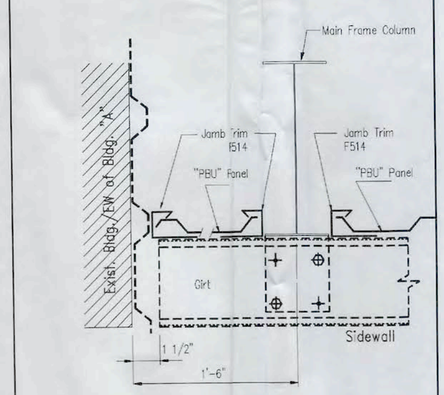
For roof panel installation refer to the Technical installation information Manual.

Northern High Eave Trim

Metallic - UD/DL - Low or High System

08/21/09

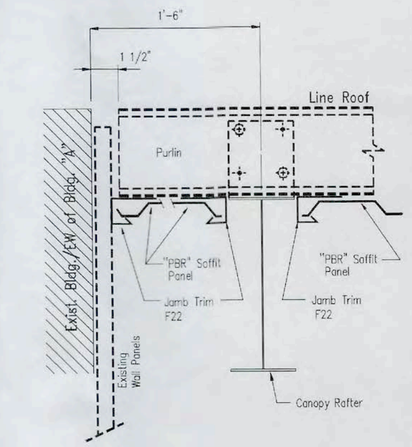
SD0360



Inside Corner Detail For Liner Bypass Sidewall-Flush Endwall

08/21/09

SD0312G-X



Inside Corner Detail For Soffit Bypass Sidewall-Flush Endwall

08/21/09

SD0312G-X

FASTENER #226

3/16" x 9/16" Closed End Rivet

FASTENER #228

10 x 1/2" Grommet Washer

08/21/09

SD0823B

NOTE:

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Issue	Date	Description	BY	CK'D
0	08/21/09	ISSUED FOR ERECTOR INSTALLATION	HMR	SDT

METALLIC

metallic building company

7301 FAIRVIEW ★ HOUSTON, TEXAS ★ P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: Skookum Creek Tobacco
Customer: J Bar D Construction Inc
Owner: Skookum Creek Tobacco
Location: Shelton, WA

CAD	Date	Scale	Phone	Building ID	Job Number	Sheet Number	Issue
		N.T.S.		AB	0805-250514	MS-10 of 10	0

Release 13, Created on Jul 16, 2013 at 11:55:32 am\MS\Drawings\Sheet1.dgn