

BUILDER/CONTRACTOR RESPONSIBILITIES

Drawing Validity - These drawings, supporting structural calculations and design certification are based on the order documents as of the date of these drawings. These documents describe the material supplied by the manufacturer as of the date of these drawings. Any changes to the order documents after the date on these drawings may void these drawings, supporting structural calculations and design certification. The Builder/Contractor is responsible for notifying the building authority of all changes to the order documents which result in changes to the drawings, supporting structural calculations and design certification.

Builder Acceptance of Drawings - Approval of the manufacturer's drawings and design data affirms that the manufacturer has correctly interpreted and applied the requirements of the order documents and constitutes Builder/Contractor acceptance of the manufacturer's interpretations of the order documents and standard product specifications, including its design, fabrication and quality criteria standards and tolerances. (AISC code of standard practice Sept B6 Section 4.2.1) (Mar 05 Section 4.4.1)

Code Official Approval - It is the responsibility of the Builder/Contractor to ensure that all project plans and specifications comply with the applicable requirements of any governing building authority. The Builder/Contractor is responsible for securing all required approvals and permits from the appropriate agency as required.

Builder is responsible for State, Federal and OSHA safety compliance - The Builder/Contractor is responsible for applying and observing all pertinent safety rules and regulations and OSHA standards as applicable.

Building Erection - The Builder/Contractor is responsible for all erection of the steel and associated work in compliance with the Metal Building Manufacturers drawings. Temporary supports, such as temporary guys, braces, false work or other elements required for erection will be determined, furnished and installed by the erector. (AISC Code of Standard Practice Sept B6 Section 7.9.1) (Mar 05 Section 7.10.3)

Discrepancies - Where discrepancies exist between the Metal Building plans and plans for other trades, the Metal Building plans will govern. (AISC Code of Standard Practice Sept B6 Section 3.3) (Mar 05 Section 3.3)

Materials by Others - All interface and compatibility of any materials not furnished by the manufacturer are the responsibility of and to be coordinated by the Builder/Contractor or A/E firm. Unless specific design criteria concerning any interface between materials if furnished as a part of the order documents, the manufacturer's assumptions will govern.

Correction of Errors - Normal erection operations include the correction of minor misfits by moderate amounts of reaming, chipping, welding or cutting and the drawing of elements into line through the use of drift pins. Errors which cannot be corrected by the foregoing means or which require major changes in the member configuration should be reported immediately to the owner and fabricator by the erector, to enable whoever is responsible either to correct the error or to approve the most efficient and economical method of correction to be used by others. (AISC Code of Standard Practice Sept B6 Section 7.12)(Mar 05 Section 7.14)

Modification of the Metal Building from Plans - The Metal Building supplied by the manufacturer has been designed according to the Building Code and specifications and the loads shown on this drawing. Modification of the building configuration, such as removing wall panels or braces, from that shown on these plans could affect the structural integrity of the building. The Metal Building Manufacturer or a Licensed Structural Engineer should be consulted prior to making any changes to the building configuration shown on these drawings. The Metal Building Manufacturer will assume no responsibility for any loads applied to the building not indicated on these drawings.

Safety Commitment - The Metal 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 is the top priority of any job site. Local, State and Federal safety and health standards, whether standard statutory or customary, should always be followed to help ensure worker safety. Make certain all employees know the safest and most productive way to erect 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 bundles supplied by the manufacturer will exceed 4000 lbs. 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.

Foundation Design - The Metal Building Manufacturer is not responsible for the design, materials and workmanship of the foundation. Anchor rod plans prepared by the manufacturer are intended to show only location, diameter and projection of the anchor rods required to attach the Metal Building System to the foundation. It is the responsibility of the end customer to ensure that adequate provisions are made for specifying rod embedment, bearing values, tie rods and or other associated items embedded in the concrete foundation, as well as foundation design for the loads imposed by the Metal Building System, other imposed loads, and the bearing capacity of the soil and other conditions of the building site. (MBMA 06 Sections 3.2.2 and A3)

Dissimilar Materials - Never allow your roof to come in contact with, or water runoff from, any dissimilar metal including but not limited to: Copper and Arsenic Salts used in treated lumber, Calcium used in concrete, mortar and grout.

Debris Removal - Any foreign debris such as sawdust, dirt, animal droppings, etc. will cause corrosion of the roof, gutters, trim, etc. if left on building surfaces for a long enough time. The roof should be periodically inspected for such conditions and if found, they should be removed.

Shop Primed Steel - All structural members of the Metal Building System not fabricated of corrosion resistant material or protected by a corrosion resistant coating are painted with one coat of shop primer meeting the performance requirements of SSPC Paint Specification No. 15. All surfaces to receive shop primer are cleaned of loose rust, loose mill scale and other foreign matter by using, as a minimum, the hand tool cleaning method SSPC-SP2 (Steel Structures Painting Council) prior to painting. The coat of shop primer is intended to protect the steel framing for only a short period of exposure to ordinary atmospheric conditions. Shop Primed steel stored in the field pending erection should be kept free of the ground and so positioned as to minimize water-holding packets, dust, mud and other contamination of the primer film. Repairs of damage to primed surfaces and/or removal of foreign material due to improper field storage or site conditions are not the responsibility of the manufacturer. The Manufacturer is not responsible for deterioration of the shop coat of primer or corrosion that may result from exposure to atmospheric and environmental conditions, nor the compatibility of the primer to any field applied coating. Minor abrasions to the shop coat (including galvanizing) caused by handling, loading, shipping unloading and erection after painting or galvanizing are unavoidable. Touch-up of these minor abrasions is the responsibility of the End Customer (MBMA 06 IV 4.2.4)

PROJECT NOTES

Material properties of steel bar, plate, and sheet used in the fabrication of built-up structural framing members conform to ASTM A529, ASTM A572, ASTM A1011 SS, or ASTM A1011 HSLAS with a minimum yield point of 50 ksi. Material properties of hot rolled structural shapes conform to ASTM A992, ASTM A529, or ASTM A572 with a minimum specified yield point of 50 ksi. Hot rolled angles, or other than flange braces, conform to ASTM B36 minimum. Hollow structural shaped conform to ASTM A500 grade b, minimum yield point is 42 ksi for round HSS and 46 ksi for rectangular HSS. Material properties of cold form light gage steel members conform to the requirements of ASTM A1011 SS Grade 55 or ASTM A1011 HSLAS Class 1 Grade 55, with a minimum yield point of 55 ksi.

All bolt joints with A325 Type 1 bolts are specified as snug-tightened joints, unless noted otherwise, in accordance with the "Specification for Structural Joints using ASTM A325 or A490 bolts, June 30, 2004". Pretensioning methods, including turn-of-nut and calibrated wrench are not required unless noted otherwise.

The manufacturer does not assume any responsibility for the erection nor field supervision of the structure and or any special inspections (including inspection of the high strength bolts or field welds) as required during erection. The coordination and the costs associated for setting up and Special Inspections are the responsibility of the Erector, Owner, Architect, or Engineer of Record.

Design is based upon the more severe loading of either the roof snow load or the roof live load.

Loads, as noted, are given within order documents and are applied in general accordance with the applicable provisions of the model code and/or specification indicated. Neither the manufacturer nor the certifying engineer declares or attests that the loads as designated are proper for the local provisions that may apply or for site specific parameters. The manufacturer's Engineer's certification is limited to design loads supplied by an Architect and/or engineer of record for the overall construction project.

This project is designed using manufacturer's standard serviceability standards. Generally this means that all stresses and deflections are within typical performance limits for normal occupancy and standard metal building products. If special requirements for deflections and vibrations must be adhered to, then they must be clearly stated in the contract documents.

X-bracing (if applicable) is to be installed to a taut condition with all slack removed. Do not tighten beyond this state.

The design collateral load has been uniformly applied to the design of the building. Hanging loads are to be attached to the purlin web. This may not be appropriate for heavily concentrated loads. Any attached load in excess of 150 pounds shall be accounted for by special design performed by a licensed engineer using concentrated loads and may require separate support members within the roof system.

This metal building system is designed as enclosed. All exterior components (i.e. doors, windows, vents, etc.) must be designed to withstand the specified wind loading for the design of components and cladding in accordance with the specified building code. Doors are to be closed when a maximum of 50% of design wind velocity is reached.

DESIGN LOADING

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY:

CBC 16

THE BUILDER IS TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

ROOF DEAD LOAD	
SUPERIMPOSED	2.000 PSF
COLLATERAL	3 PSF
ROOF LIVE LOAD	
	20.00 PSF (REDUCIBLE)
RISK CATEGORY	
	II - Normal
SNOW LOAD	
GROUND SNOW LOAD (Pg)	0.0000 PSF
SNOW LOAD IMPORTANCE FACTOR (Is)	1.0000
FLAT ROOF SNOW LOAD (Pf)	0 PSF
SNOW EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.00

WIND LOAD	
ULTIMATE WIND SPEED	110 MPH
NOMINAL WIND SPEED (VWD)	85 MPH (IBC SECTION 1609.3.1)
SERVICEABILITY WIND SPEED	72 MPH
WIND EXPOSURE CATEGORY	C
TOPOGRAPHICAL FACTOR	1.0

INTERNAL PRESSURE COEFFICIENT (GCp)	0.18 / -0.18
ZONE 4, COMPONENT WIND LOAD ≤ 1DFT ²	24.455 PSF PRESSURE -26.493 PSF SUCTION
ZONE 5, COMPONENT WIND LOAD < 1DFT ²	24.455 PSF PRESSURE -32.545 PSF SUCTION

ZONES PER ASCE 7-10; FIG. 30.4-1
ZONES PRESSURES SHOWN ARE UN-FACTORED

RAIN INTENSITY	
5-MINUTE DURATION, 5-YEAR RECURRENCE (I)	2.4000 IN/HOUR

SEISMIC LOAD	
SEISMIC IMPORTANCE FACTOR (Ie)	1.00
Ss 2.8657 g	SDs 1.0000 g
S1 1.1229 g	SD1 1.1220 g
SOIL SITE CLASS	0 STIFF SOIL
SEISMIC DESIGN CATEGORY	E

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

COLUMN LINE	2,3	SWA	1,4&5WC
BASIC FORCE RESISTING SYSTEM*	C4	C4	B3
RESPONSE MODIFICATION COEFFICIENT(R)	3.25	3.5	3.25
SYSTEM OVER-STRENGTH FACTOR(O _b)	2.5000	2.5000	2.0000
SEISMIC RESPONSE COEFFICIENT(C _s)	0.30B	0.286	0.30B
BLDG DESIGN BASE SHEAR (V) TRANSVERSE	6.23 (k)	LONGITUDINAL	5.9B (k)

Cs is determined using an Ss=1.5 as per section 12.8.13 of ASCE 7-10 Basic Structural System (from ASCE 7-10 Table 12.2-1)

THE TRANSVERSE DIRECTION IS PARALLEL TO THE RIGID FRAMES
THE LONGITUDINAL DIRECTION IS PERPENDICULAR TO THE RIGID FRAMES

BASIC FORCE RESISTING SYSTEM*	
C4. STEEL ORDINARY MOMENT FRAME	
B3. STEEL ORDINARY CONCENTRIC BRACED FRAMES	

DRAWING INDEX

ISSUE	PAGE	DESCRIPTION
A	C1	COVER SHEET
O	F1	ANCHOR BOLT PLAN
O	F2	ANCHOR BOLT REACTIONS
O	F3	ANCHOR BOLT DETAILS
A	E1	ROOF FRAMING PLAN
A	E2	ROOF SHEETING PLAN
A	E3	FRONT SIDEWALL
A	E4	BACK SIDEWALL
A	E5	LEFT ENDWALL
A	E6	RIGHT ENDWALL
A	E7	FRAME CROSS SECTION
A	E8	WIND BENT DETAILS
A	OET1-12	STANDARD DETAILS

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
THESE DRAWINGS, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL. ONLY DRAWINGS ISSUED "FOR ERECTOR INSTALLATION" CAN BE CONSIDERED AS COMPLETE.

FOR ERECTOR INSTALLATION
FINAL DRAWINGS FOR CONSTRUCTION.

FOR QUESTIONS OR ASSISTANCE CONCERNING ERECTION CALL:
858-362-0464
MONDAY - FRIDAY 7:30AM TO 5:00PM

ENGINEERING SEAL

THIS CERTIFICATION COVERS PARTS MANUFACTURED AND DELIVERED BY THE MANUFACTURER ONLY, AND EXCLUDES PARTS SUCH AS DOORS, WINDOWS, FOUNDATION DESIGN AND ERECTION OF THE BUILDING.

THESE DRAWINGS AND THE METAL BUILDING SYSTEM THEY REPRESENT ARE THE PRODUCT OF AN AFFILIATE OF NCI GROUP, INC. - 10943 N. SAM HOUSTON PARKWAY W., HOUSTON, TX 77064. THE PROFESSIONAL ENGINEER WHOSE SEAL APPEARS HEREON IS EMPLOYED BY AN AFFILIATE OF NCI GROUP, INC. AND IS NOT THE ENGINEER-OF-RECORD FOR THE OVERALL PROJECT.



BUILDING SIZE: 40'-0" x 60'-0" x 16'-0" 2:0:12

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

CUSTOMER: ATLAS

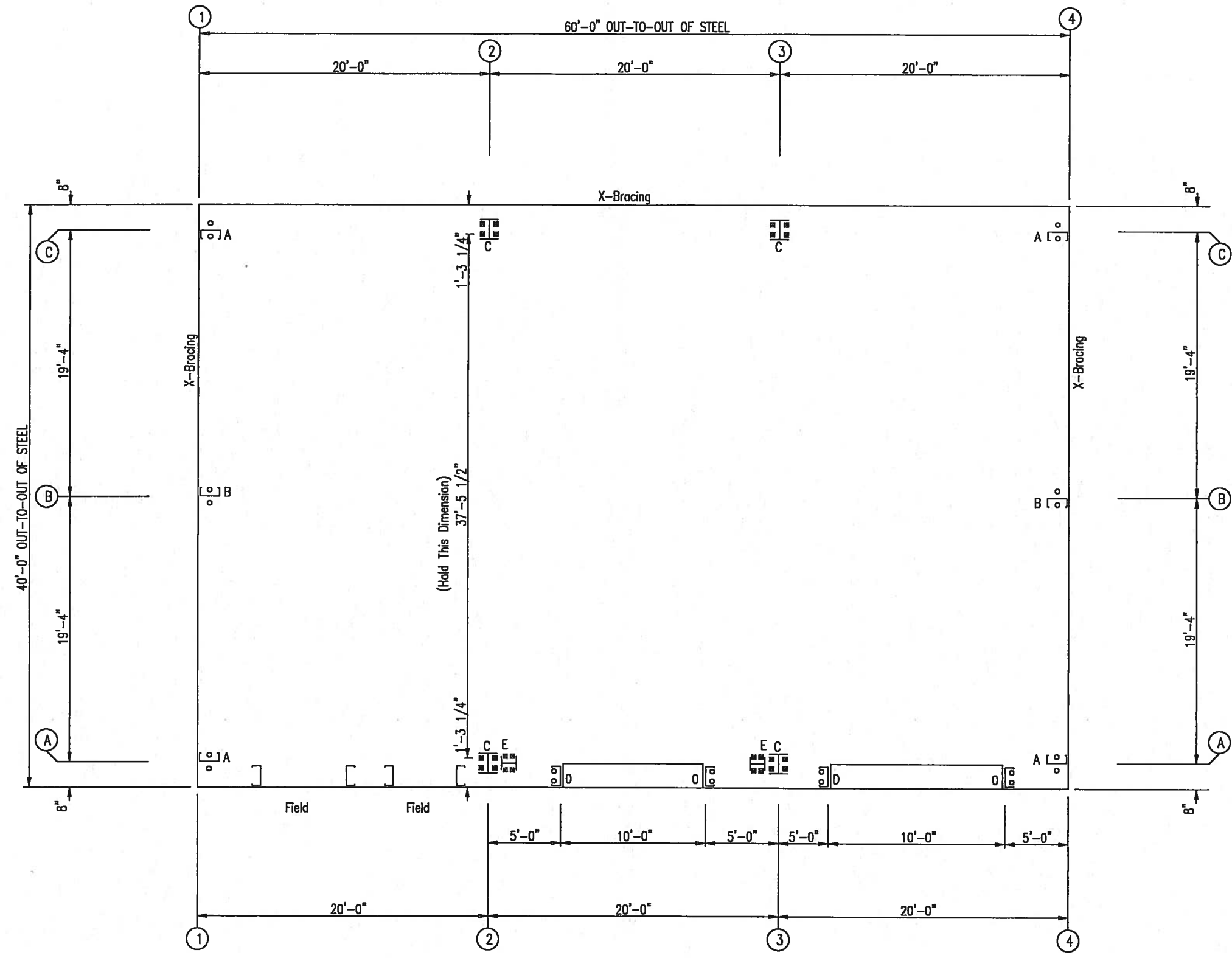
OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	C1	A

ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

○ Dia = 5/8"
 ☒ Dia = 3/4"



ANCHOR BOLT PLAN

NOTE: ALL BASE PLATES @ 100.0' (U.N.)
 ASSUMED FINISH FLOOR @ 100.0' (U.N.)

ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
0	7/28/17	FOR ERECTOR INSTALLATION	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
 SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL
 CUSTOMER: ATLAS OWNER: ATLAS
 LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	F1	0



BUILDING BRACING REACTIONS

Wall Loc	Line	Col Line	Reactions in plane of wall ± Reactions(k)				Panel Shear (lb/ft)		Note
			Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis	
L_EW	1	C,B	Bracing, see EW reactions						(c)
F_SW	A	2,3	Bracing, see EW reactions						
R_EW	4	B,C	Bracing, see EW reactions						
B_SW	C	3,2	3.0		3.1				

(c) Wind bent in bay

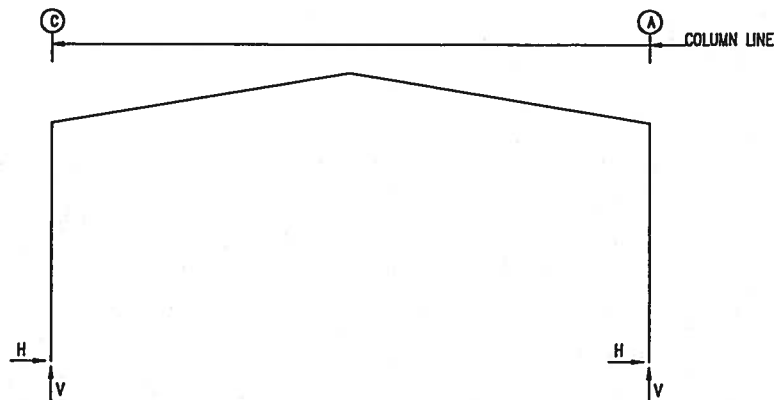
*See RF reactions table for vertical and horizontal reactions in plane of the rigid frame.

NOTES FOR REACTIONS

BUILDING REACTIONS ARE BASED ON THE FOLLOWING BUILDING DATA:

WIDTH (FT)	=	40
LENGTH (FT)	=	60
EAVE HEIGHT (FT)	=	16 / 16
ROOF SLOPE (rise/12)	=	2.0:12 / 2.0:12
DEAD LOAD (psf)	=	2,000
COLLATERAL LOAD (psf)	=	3
ROOF LIVE LOAD (psf)	=	20.00 (REDUCIBLE)
FRAME LIVE LOAD (psf)	=	12
ROOF SNOW LOAD (psf)	=	0
GROUND SNOW LOAD (psf)	=	0.0000
ULTIMATE WIND SPEED (MPH)	=	110
NOMINAL WIND SPEED (VASD) (MPH)	=	85 (IBC SECTION 1609.3.1)
SERVICEABILITY WIND SPEED (MPH)	=	72
WIND CODE	=	CBC 16
EXPOSURE	=	C
CLOSED/OPEN	=	Closed
IMPORTANCE - WIND	=	1.00
IMPORTANCE - SEISMIC	=	1.00
SEISMIC ZONE	=	E

FRAME LINES: 2 3



ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Proj (in)
8	Jamb	5/8"	F1554	2.00
12	Endwall	5/8"	F1554	2.00
16	Frame	3/4"	F1554	2.50
8	WindCol	3/4"	F1554	2.50

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frame Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate Width (in)	Base Plate Length (in)	Thick	Grout (in)
2*	C	4	0.750	6.000	9.500	0.375	0.0
2*	A	4	0.750	6.000	9.500	0.375	0.0

2* Frame lines: 2 3

GENERAL NOTES

- THE REACTIONS PROVIDED ARE BASED ON THE ORDER DOCUMENTS AT THE TIME OF MAILING. ANY CHANGES TO BUILDING LOADS OR DIMENSIONS MAY CHANGE THE REACTIONS. THE REACTIONS WILL BE SUPERSEDED AND VOIDED BY ANY FUTURE MAILING.
- REACTIONS ARE PROVIDED AS UN-FACTORED FOR EACH LOAD GROUP APPLIED TO THE COLUMN. THE FOUNDATION ENGINEER WILL APPLY THE APPROPRIATE LOAD FACTORS AND COMBINE THE REACTIONS IN ACCORDANCE WITH THE BUILDING CODE AND DESIGN SPECIFICATIONS TO DETERMINE BEARING PRESSURES AND CONCRETE DESIGN. THE FACTORS APPLIED TO LOAD GROUPS FOR THE STEEL COLUMN DESIGN MAY BE DIFFERENT THAN THE FACTORS USED IN THE FOUNDATION DESIGN.
- THE MANUFACTURER DOES NOT PROVIDE "MAXIMUM" LOAD COMBINATION REACTIONS. HOWEVER, THE INDIVIDUAL LOAD REACTIONS PROVIDED MAY BE USED BY THE FOUNDATION ENGINEER TO DETERMINE THE APPLICABLE LOAD COMBINATIONS FOR HIS/HER DESIGN PROCEDURES AND ALLOW FOR AN ECONOMICAL FOUNDATION DESIGN.
- THE METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF THE ANCHOR BOLT DIAMETER ONLY TO PERMIT THE TRANSFER OF FORCES BETWEEN THE BASE PLATE AND THE ANCHOR BOLT IN SHEAR, BEARING AND TENSION, BUT IS NOT RESPONSIBLE FOR THE ANCHOR BOLT EMBEDMENT FOR TRANSFER OF FORCES TO THE FOUNDATION. THE METAL BUILDING MANUFACTURER DOES NOT DESIGN AND IS NOT RESPONSIBLE FOR THE DESIGN, MATERIAL AND CONSTRUCTION OF THE FOUNDATION EMBEDMENTS. THE END USE CUSTOMER SHOULD ASSURE HIMSELF THAT ADEQUATE PROVISIONS ARE MADE IN THE FOUNDATION DESIGN FOR LOADS IMPOSED BY COLUMN REACTIONS OF THE BUILDING, OTHER IMPOSED LOADS, AND BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE. IT IS RECOMMENDED THAT THE ANCHORAGE AND FOUNDATION OF THE BUILDING BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER EXPERIENCED IN THE DESIGN OF SUCH STRUCTURES, (SECTION A3 MBMA 2006 METAL BUILDING SYSTEMS MANUAL) (UNLESS NOTED)
- BOTTOM OF ALL BASE PLATES ARE AT THE SAME ELEVATION.
- ANCHOR RODS ARE ASTM F1554 GRADE 36 MATERIAL UNLESS NOTED OTHERWISE.

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead		Collateral		Live		Wind_Left1		Wind_Right1		Wind_Left2		Wind_Right2	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
2*	C	0.3	1.3	0.4	1.2	1.6	4.8	-4.4	-8.3	1.2	-4.8	-4.8	-5.1		
2*	A	-0.3	1.3	-0.4	1.2	-1.6	4.8	-1.2	-4.8	4.4	-8.3	-0.9	-1.5		

2* Frame lines: 2 3

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frame Line	Col Line	Dead Vert	Collat Vert	Live Vert	Wind_Left1		Wind_Right1		Wind_Left2		Wind_Right2		Wind Press	Wind Suct
					Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert		
1	C	0.3	0.2	1.6	1.5	-3.5	0.0	0.3	1.6	-3.5	0.0	0.4	0.0	0.0
1	B	0.8	0.7	4.9	0.0	-3.4	1.5	-6.5	0.0	-3.4	1.6	-6.5	-3.4	3.7
1	A	0.3	0.2	1.6	0.0	-3.3	0.0	-2.0	0.0	-1.3	0.0	-2.0	0.0	0.0
4	A	0.3	0.2	1.6	0.0	-2.0	0.0	-1.3	0.0	-2.0	0.0	-1.3	-1.5	1.7
4	B	0.8	0.7	4.9	1.5	-6.5	0.0	-3.4	1.6	-6.5	0.0	-3.4	-3.4	3.7
4	C	0.3	0.2	1.6	0.0	0.3	1.5	-3.5	0.0	0.4	1.6	-3.5	0.0	0.0

Frame Line	Col Line	Wind_Long1		Wind_Long2		Seis_Left		Seis_Right	
		Horz	Vert	Horz	Vert	Horz	Vert	Horz	Vert
1	C	0.0	-1.8	0.4	-1.4	1.5	-1.4	0.0	1.6
1	B	0.4	-5.2	0.0	-4.5	0.0	1.4	1.5	-1.7
1	A	0.0	-1.1	0.0	-2.2	0.0	-0.1	0.0	0.1
4	A	0.0	-2.2	0.0	-1.1	0.0	0.1	0.0	-0.1
4	B	0.0	-4.5	0.4	-5.2	1.5	-1.7	0.0	1.4
4	C	0.4	-1.4	0.0	-1.8	0.0	1.6	1.5	-1.4

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frame Line	Col Line	Anc. Bolt Qty	Anc. Bolt Dia	Base Plate Width (in)	Base Plate Length (in)	Thick	Grout (in)
1	C	2	0.625	7.000	8.000	0.250	0.0
1	B	2	0.625	7.000	8.000	0.250	0.0
1	A	2	0.625	7.000	8.000	0.250	0.0
4	A	2	0.625	7.000	8.000	0.250	0.0
4	B	2	0.625	7.000	8.000	0.250	0.0
4	C	2	0.625	7.000	8.000	0.250	0.0

WIND BENT REACTIONS

Wall Loc	Line	Col Line	Reactions ± Reactions(k)				Bolt Qty	Bolt Dia (in)	Base Plate (in)		
			Wind Horz	Wind Vert	Seismic Horz	Seismic Vert			Width	Length	Thick
F_SW	A	2	1.5	2.5	1.4	2.3	4	0.750	6.000	12.500	0.375
F_SW	A	3	1.5	2.5	1.4	2.3	4	0.750	6.000	12.500	0.375

ISSUE	DATE	DESCRIPTION	BY	CHK'D	DSN
0	7/28/17	FOR ERECTOR INSTALLATION	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
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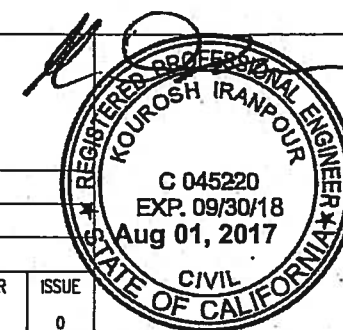
PROJECT: FILEDBROOK HIGH SCHOOL

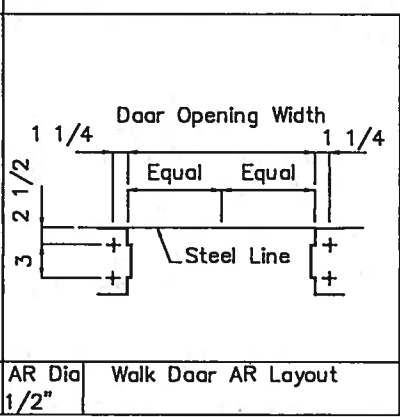
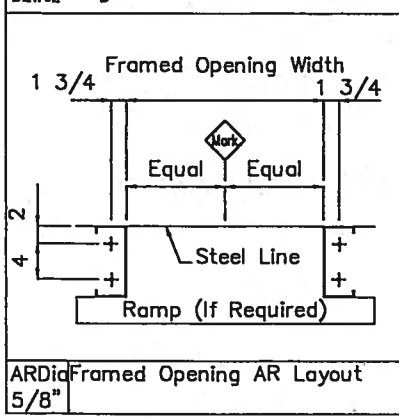
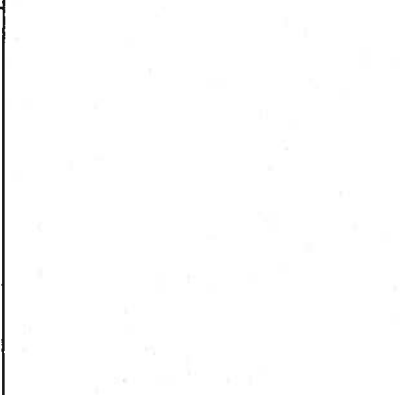
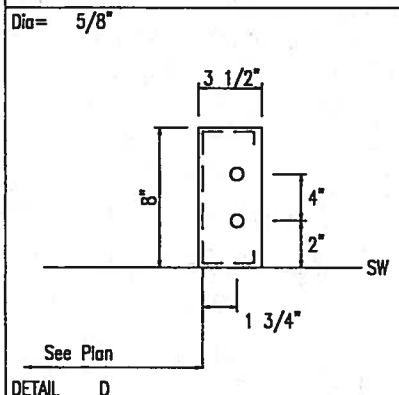
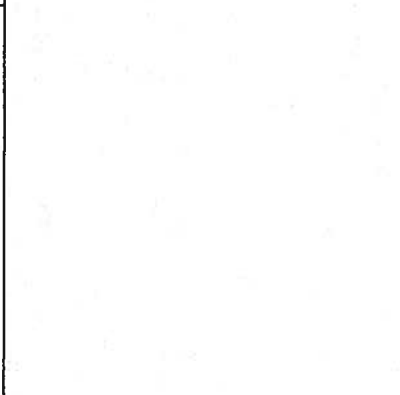
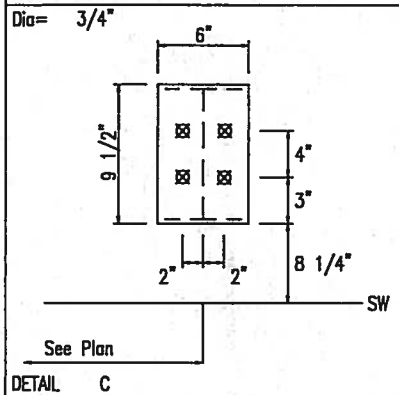
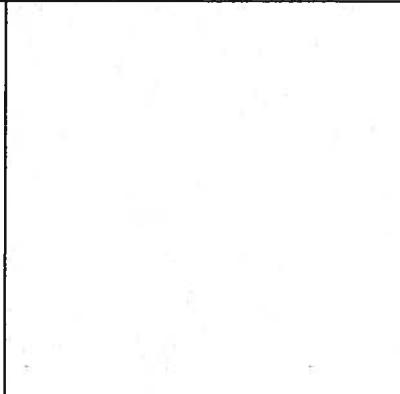
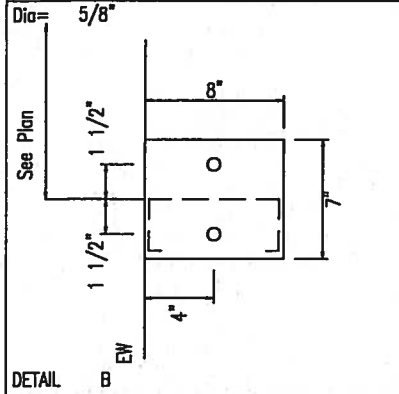
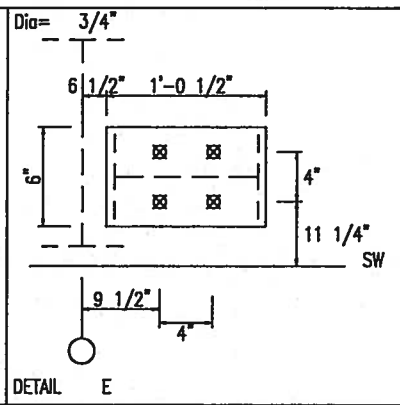
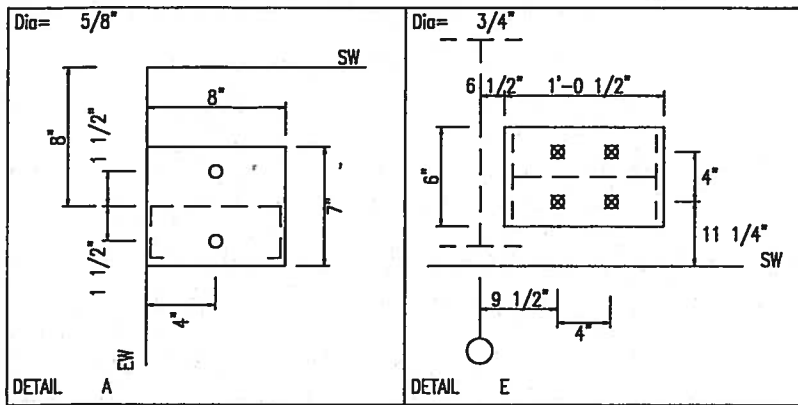
CUSTOMER: ATLAS

OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	F2	0



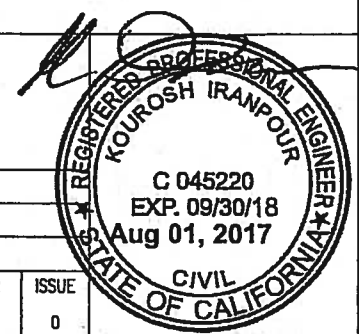


ISSUE	DATE	DESCRIPTION	BY	CK'D	OSN
0	7/28/17	FOR ERECTOR INSTALLATION	PNR	PNR	MTR

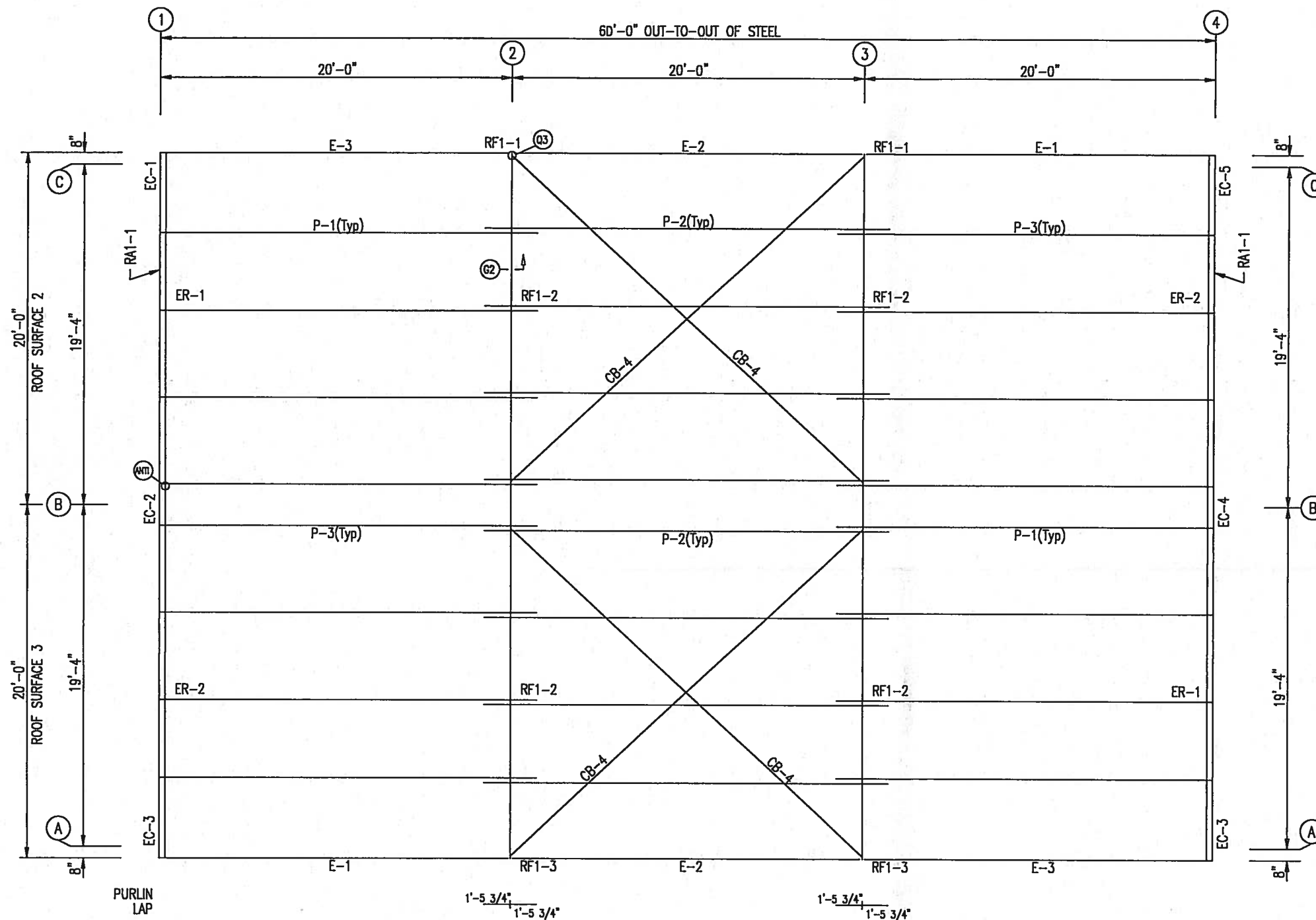
EMPIRE STEEL BUILDINGS
5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL
CUSTOMER: ATLAS
OWNER: ATLAS
LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING IO	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	F3	0



MEMBER TABLE		
ROOF PLAN		
MARK	PART	LENGTH
P-1	8X25Z16	21'-5 1/2"
P-2	8X25Z16	22'-11 1/2"
P-3	8X25Z16	21'-5 1/2"
E-1	8ES2L14	19'-11 1/2"
E-2	8ES2L14	19'-11 1/2"
E-3	8ES2L14	19'-11 1/2"
CB-4	1/2" DIA. ROD	27'-3"



NOTE:
 LTP'S TO BE FIELD LOCATED
 & FIELD CUT (BY OTHERS)
 INSTALLATION MUST COMPLY
 WITH OSHA REQUIREMENTS

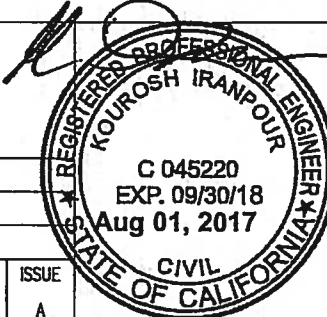
ROOF FRAMING PLAN

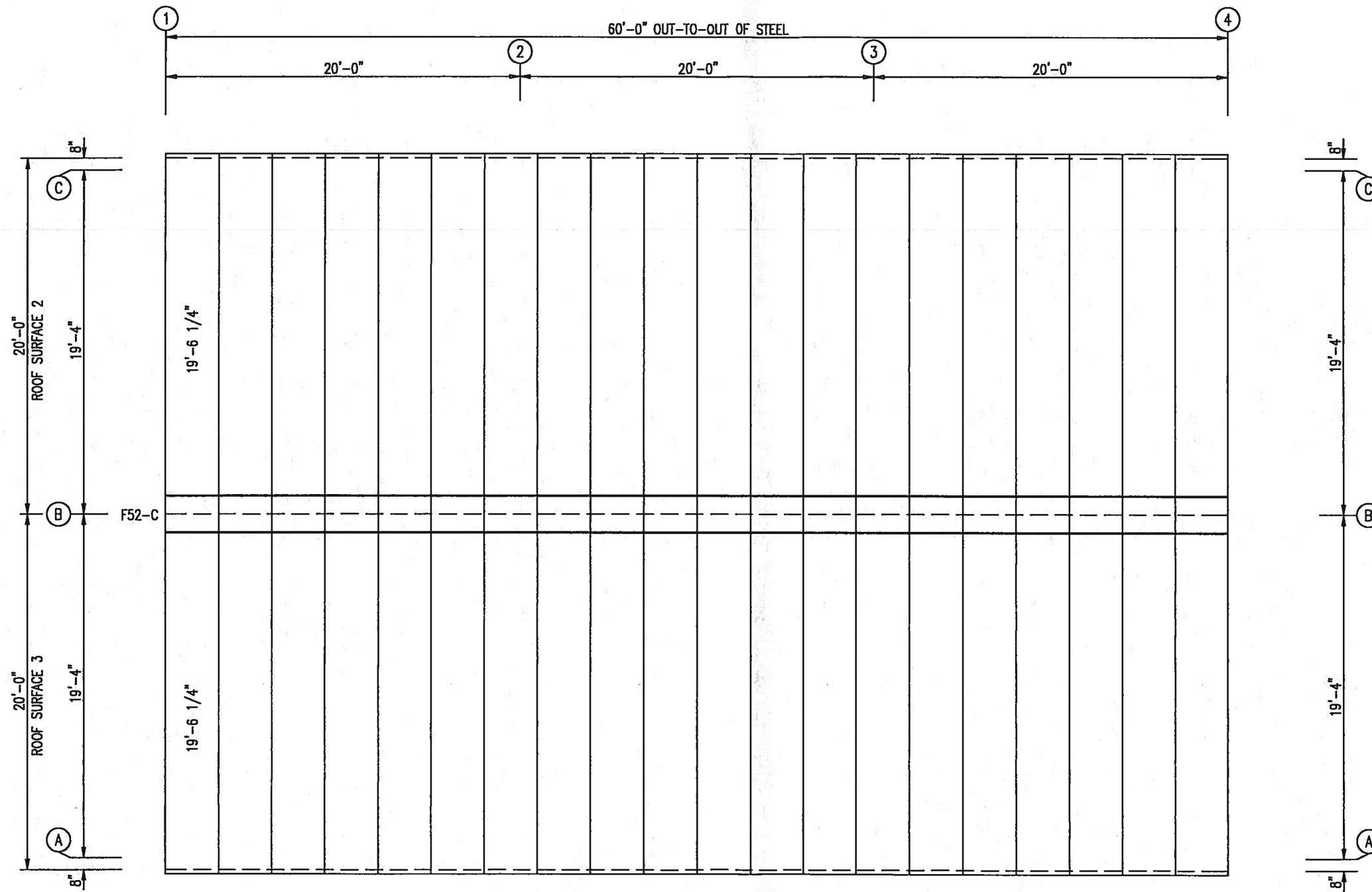
- GENERAL NOTES:
1. INSTALL ALL PURLIN AND FLANGE BRACES (FB) AS SHOWN.
 2. ROOF PANEL PROVIDES STRUCTURAL STABILITY TO THE BUILDING.
 3. STRUT PURLINS, IF PROVIDED, MUST BE INSTALLED AND FASTENED TO ROOF SHEETING PER "PBR" PANEL ROOF DETAIL.
 4. DO NOT ADD ANY ADDITIONAL ROOF OPENINGS WITHOUT BUILDING MANUFACTURER APPROVAL OR PROFESSIONAL ENGINEER APPROVAL.
 5. DO NOT STACK SHEET BUNDLES ON ROOF. ONLY RAISE INDIVIDUAL SHEETS AS NEEDED.
 6. AFTER INSTALLATION, WIPE ALL PANELS CLEAN OF METAL SHAVINGS CAUSED BY DRILLING.

ISSUE	DATE	DESCRIPTION	BY	CK'O	OSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS
 5230 CARROLL CANYON ROAD,
 SAN DIEGO, CALIFORNIA 92121 US.

PROJECT:	FILEDBROOK HIGH SCHOOL						
CUSTOMER:	ATLAS						
OWNER:	ATLAS						
LOCATION:	MCKINLEYVILLE, CA 95519						
CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	E1	A





ROOF SHEETING PLAN

PANELS: 26 Gauge PBR - TBD

GENERAL NOTES:

1. INSTALL ALL PURLIN AND FLANGE BRACES (FB) AS SHOWN.
2. ROOF PANEL PROVIDES STRUCTURAL STABILITY TO THE BUILDING.
3. STRUT PURLINS, IF PROVIDED, MUST BE INSTALLED AND FASTENED TO ROOF SHEETING PER "PBR" PANEL ROOF DETAIL.
4. DO NOT ADD ANY ADDITIONAL ROOF OPENINGS WITHOUT BUILDING MANUFACTURER APPROVAL OR PROFESSIONAL ENGINEER APPROVAL.
5. DO NOT STACK SHEET BUNDLES ON ROOF. ONLY RAISE INDIVIDUAL SHEETS AS NEEDED.
6. AFTER INSTALLATION, WIPE ALL PANELS CLEAN OF METAL SHAVINGS CAUSED BY DRILLING.

ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

CUSTOMER: ATLAS

OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

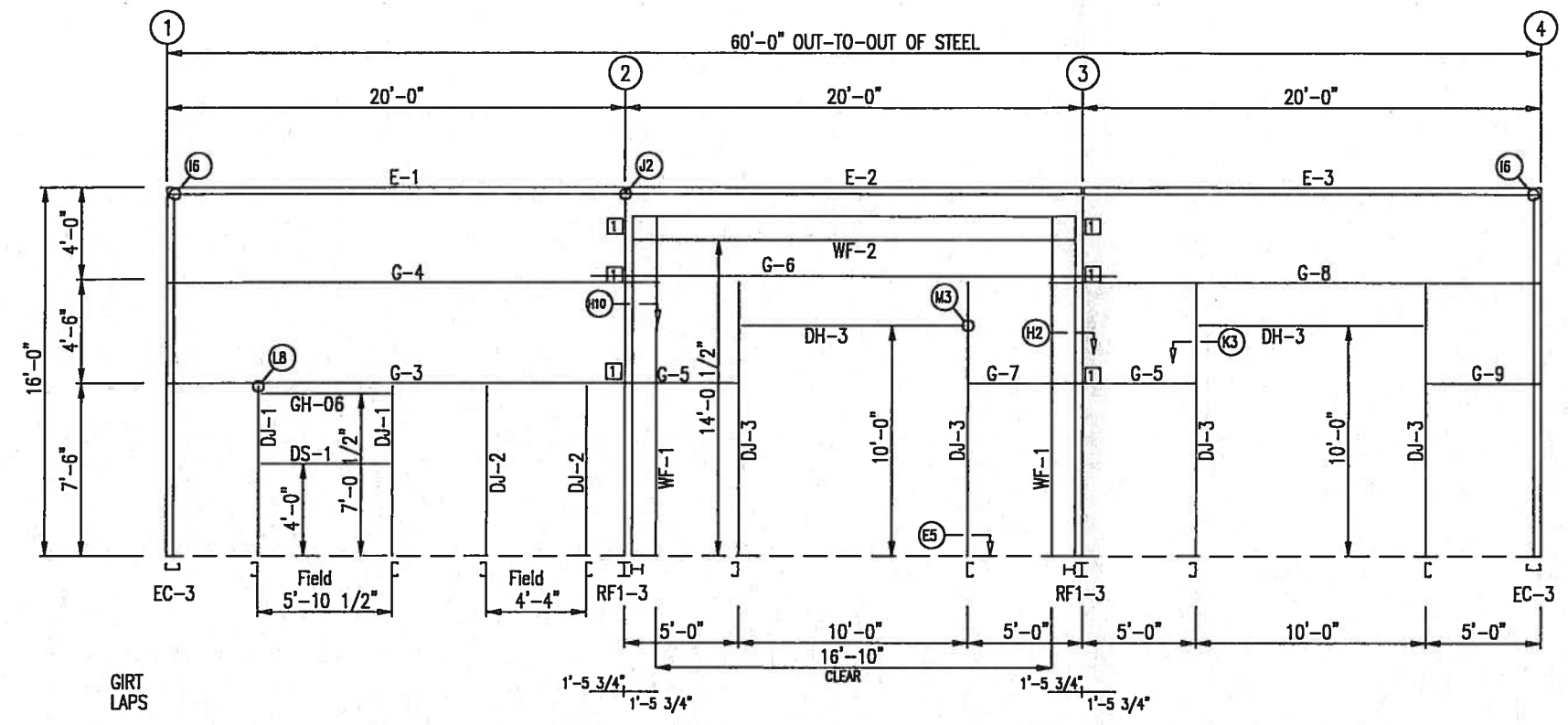
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	7/28/17	N.T.S.	1	A	15-B-94950	E2	A



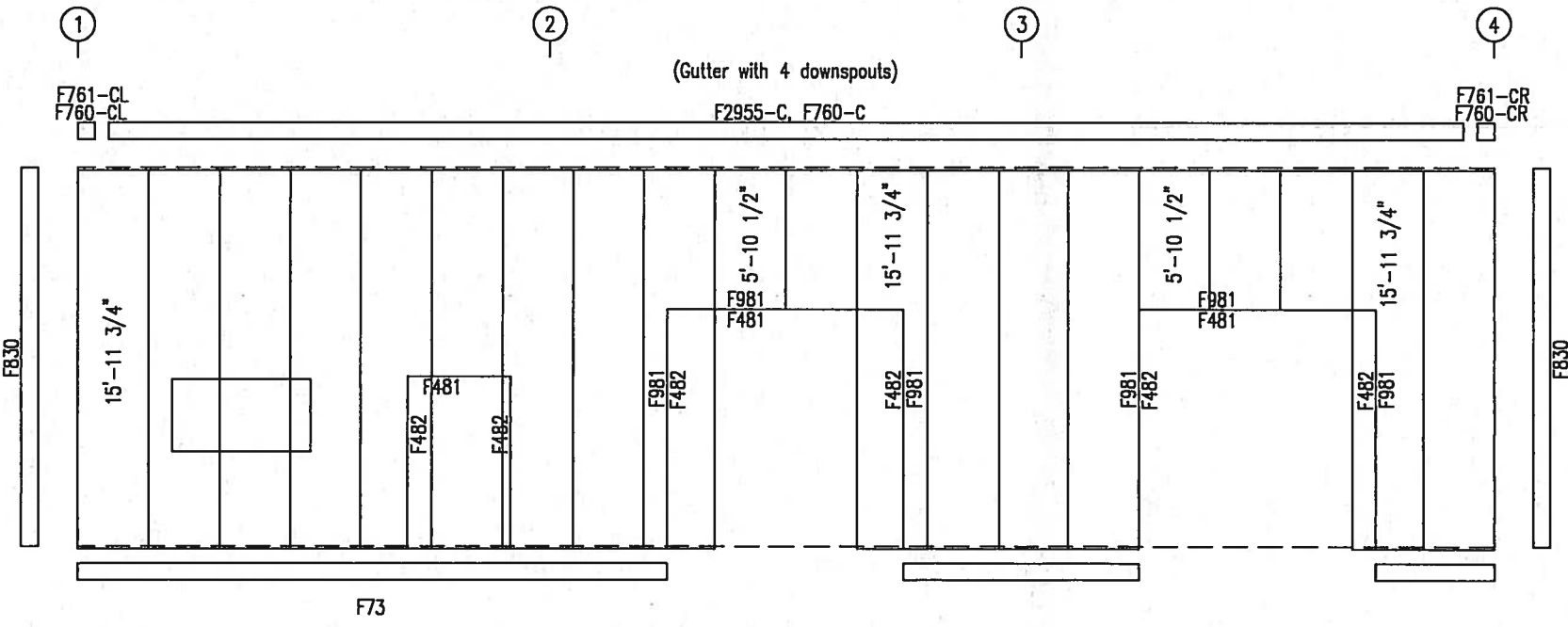
BOLT TABLE				
FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	16	A325	3/4"	2"
WF-1 - RF1-3	48	A325	5/8"	1 1/2"

MEMBER TABLE		
FRAME LINE A		
MARK	PART	LENGTH
WF-1	W12643	15'-1"
WF-2	W12643	16'-9 1/2"
DJ-1	8F25C16	7'-6"
DJ-2	8F25C16	7'-6"
DJ-3	8F35C12	12'-0"
GH-06	GH-06	5'-10 1/2"
DH-3	8F25C16	10'-0"
DS-1	8F25C16	5'-10 1/2"
E-1	8ES2L14	19'-11 1/2"
E-2	8ES2L14	19'-11 1/2"
E-3	8ES2L14	19'-11 1/2"
G-3	8X35Z14	19'-11 1/2"
G-4	8X25Z16	21'-5 1/2"
G-5	8X25Z16	4'-8"
G-6	8X25Z16	22'-11 1/2"
G-7	8X25Z16	4'-8"
G-8	8X25Z16	21'-5 1/2"
G-9	8X25Z16	4'-8"

CONNECTION PLATES		
FRAME LINE A		
ID	MARK/PART	
1	SC-48D	

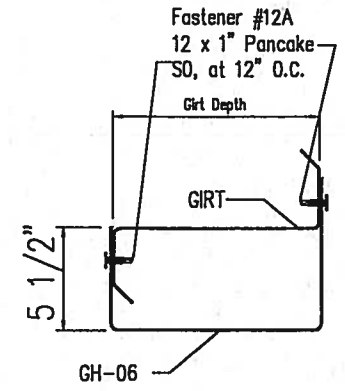


SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Gauge PBR - Polar White



DOWNSPOUT SPACING LOCATIONS
 DOWNSPOUTS ARE TO BE PLACED AT A SPACING NOT TO EXCEED 15 FT. WITH A DOWNSPOUT WITHIN 7.5 FT. OF EACH END OF THE GUTTER RUN.

GENERAL NOTES:
 1. INSTALL ALL GIRTS AND FLANGE BRACES (FB) AS SHOWN.
 2. WALL PANEL PROVIDES STRUCTURAL STABILITY TO THE BUILDING.
 3. OTHER THAN FOR WALK DOORS AND WINDOWS SHOWN ON THE CONTRACT, DO NOT ADD ADDITIONAL WALL OPENINGS WITHOUT APPROVAL OF BUILDING MANUFACTURER OR PROFESSIONAL ENGINEER.
 4. AFTER INSTALLATION, WIPE ALL PANELS CLEAN OF METAL SHAVINGS CAUSED BY DRILLING.

ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

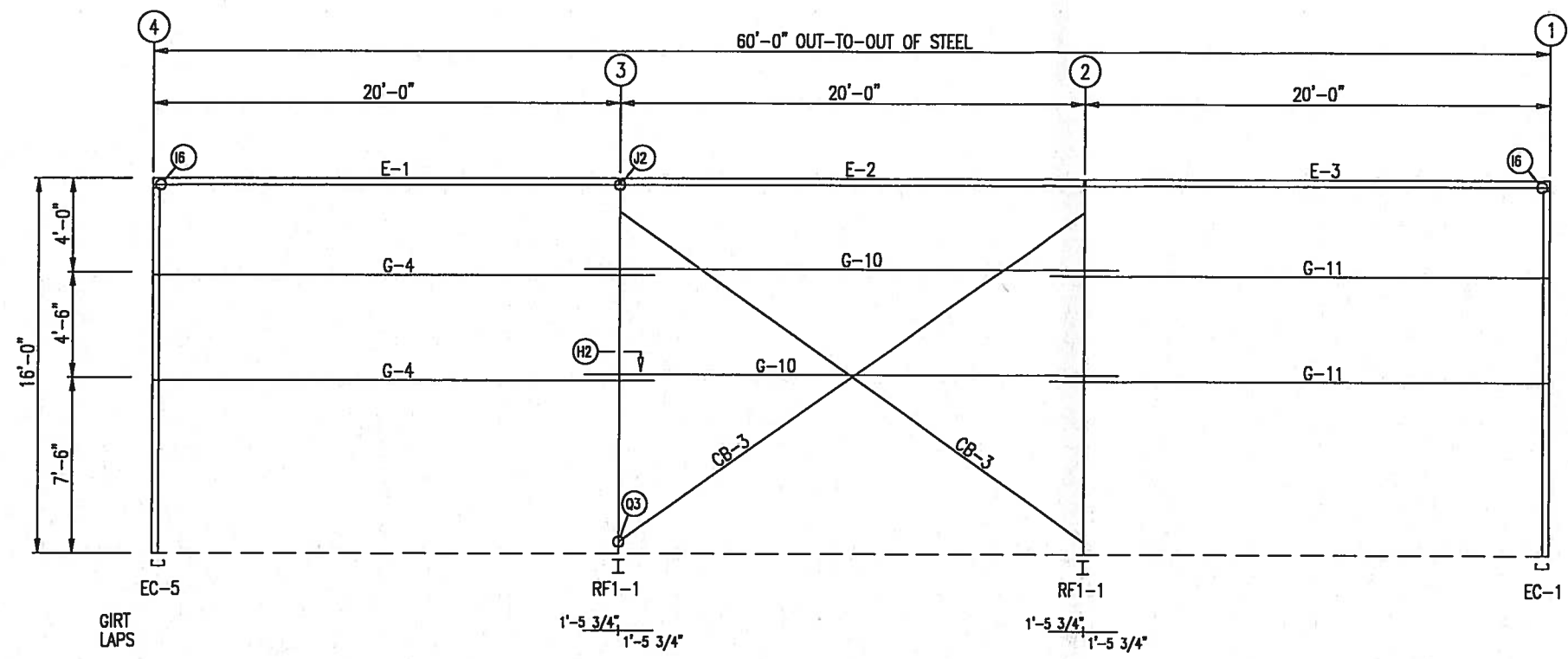
EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
 SAN DIEGO, CALIFORNIA 92121 US.

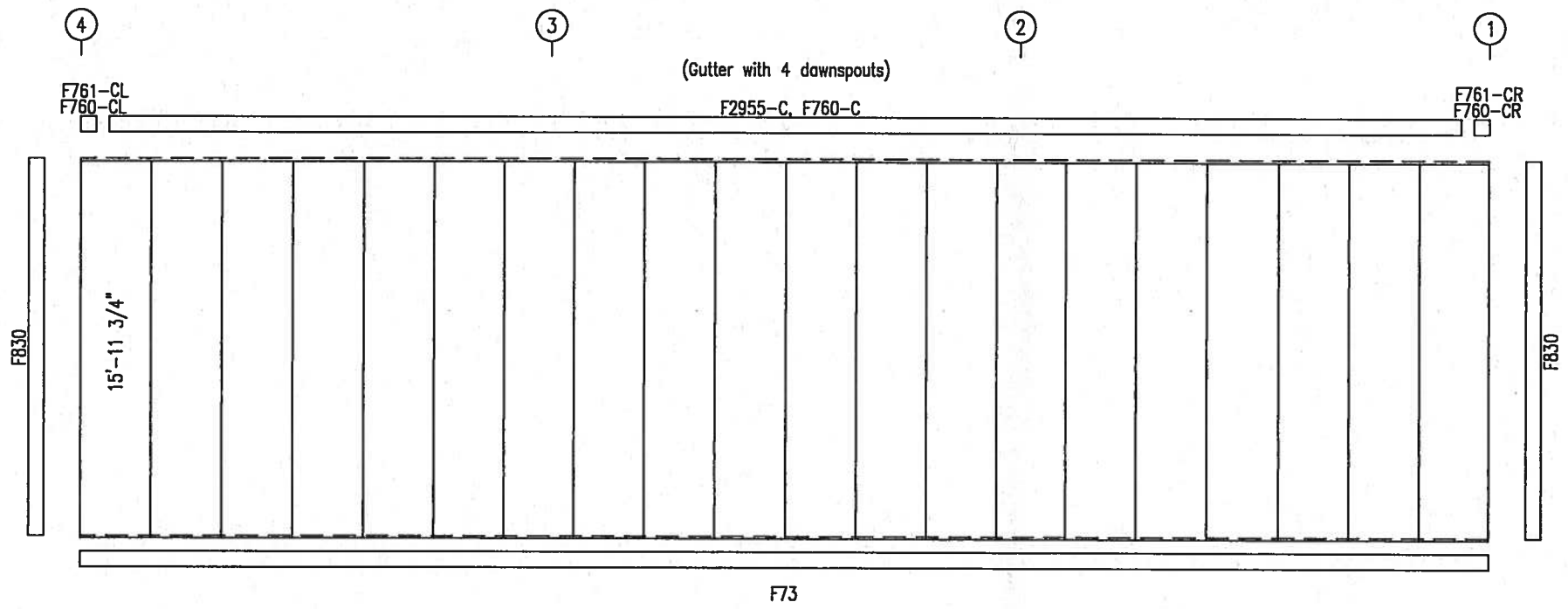
PROJECT:	FILEDBROOK HIGH SCHOOL	OWNER:	ATLAS				
CUSTOMER:	ATLAS						
LOCATION:	MCKINLEYVILLE, CA 95519						
CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	E3	A



MEMBER TABLE		
FRAME LINE C		
MARK	PART	LENGTH
E-1	8ES2L14	19'-11 1/2"
E-2	8ES2L14	19'-11 1/2"
E-3	8ES2L14	19'-11 1/2"
G-4	8X25Z16	21'-5 1/2"
G-10	8X25Z16	22'-11 1/2"
G-11	8X25Z16	21'-5 1/2"
CB-3	1/2" DIA. ROD	25'-2"



SIDEWALL FRAMING: FRAME LINE C



SIDEWALL SHEETING & TRIM: FRAME LINE C

PANELS: 26 Gauge PBR - Polar White

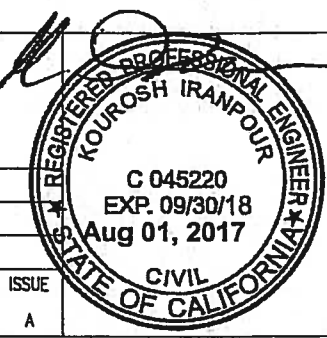
- GENERAL NOTES:**
1. INSTALL ALL GIRTS AND FLANGE BRACES (FB) AS SHOWN.
 2. WALL PANEL PROVIDES STRUCTURAL STABILITY TO THE BUILDING.
 3. OTHER THAN FOR WALK DOORS AND WINDOWS SHOWN ON THE CONTRACT, DO NOT ADD ADDITIONAL WALL OPENINGS WITHOUT APPROVAL OF BUILDING MANUFACTURER OR PROFESSIONAL ENGINEER.
 4. AFTER INSTALLATION, WIPE ALL PANELS CLEAN OF METAL SHAVINGS CAUSED BY DRILLING.

ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL		OWNER: ATLAS					
CUSTOMER: ATLAS							
LOCATION: MCKINLEYVILLE, CA 95519							
CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	E4	A



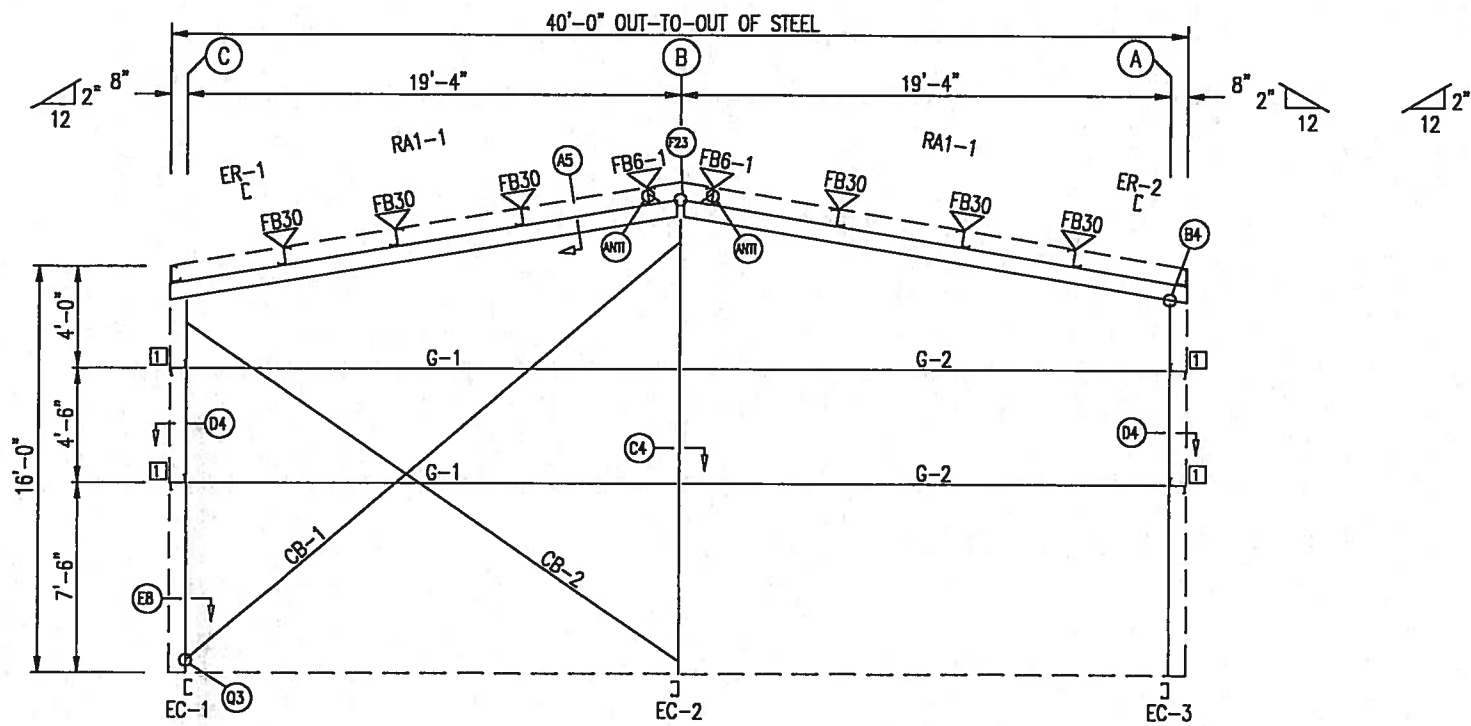
BEARING FRAME ONLY!
 WASHER TO BE USED AT ENDWALL COLUMN TO ENDWALL
 RAFTER CONNECTION. USE ONE WASHER ON COLUMN SIDE.
 WASHER NOT NEEDED ON CLIP SIDE.

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

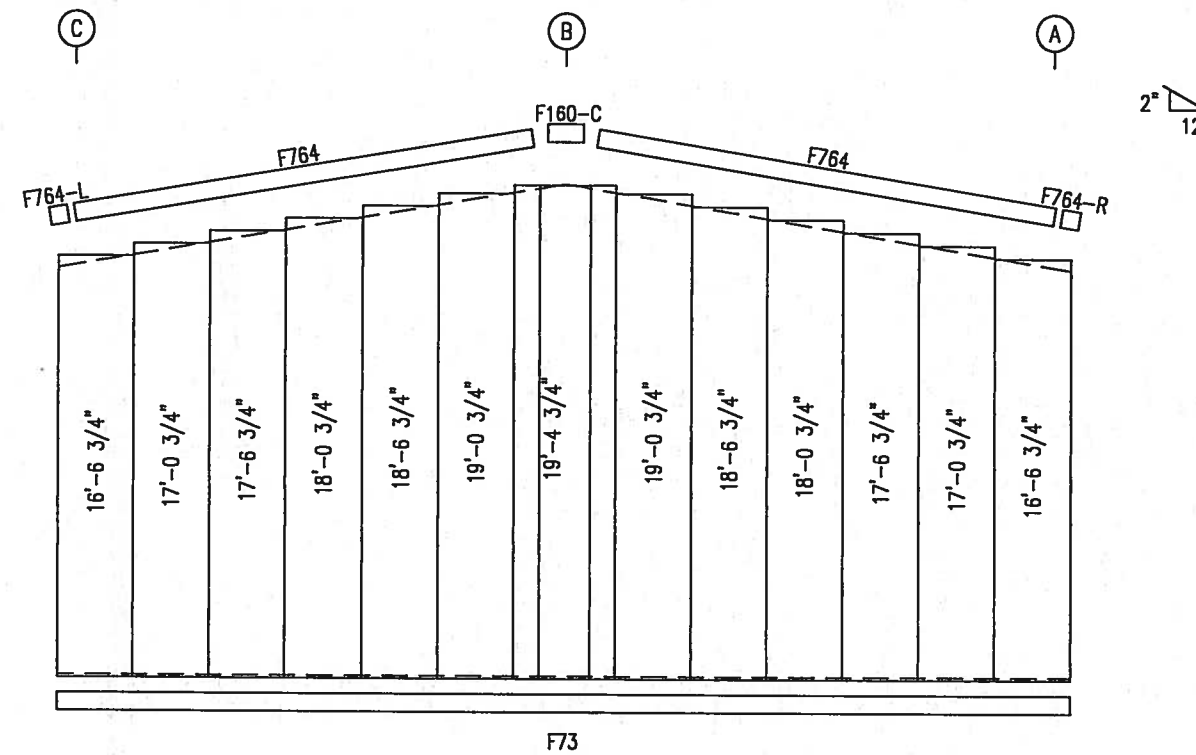
MEMBER TABLE FRAME LINE 1		
MARK	PART	LENGTH
EC-1	8F25C13	14'-5 13/16"
EC-2	8F35C12	17'-6"
EC-3	8F25C14	14'-5 13/16"
ER-1	10F35C12	20'-3 1/16"
ER-2	10F35C12	20'-3 1/16"
G-1	8X25Z14	18'-8"
G-2	8X25Z14	18'-11 3/4"
CB-1	1/2" DIA. ROD	25'-10"
CB-2	1/2" DIA. ROD	24'-0"

FLANGE BRACE TABLE FRAME LINE 1		
▽ ID	PART	LENGTH
FB30	L2X2X1/4G	2'-6"
FB6-1	L2X2X1/8"	2'-6"

CONNECTION PLATES FRAME LINE 1		
□ ID	MARK/PART	
1	SC-5	



ENDWALL FRAMING: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Gauge PBR - Polar White

GENERAL NOTES:

1. INSTALL ALL GIRTS AND FLANGE BRACES (FB) AS SHOWN.
2. WALL PANEL PROVIDES STRUCTURAL STABILITY TO THE BUILDING.
3. OTHER THAN FOR WALK DOORS AND WINDOWS SHOWN ON THE CONTRACT, DO NOT ADD ADDITIONAL WALL OPENINGS WITHOUT APPROVAL OF BUILDING MANUFACTURER OR PROFESSIONAL ENGINEER.
4. AFTER INSTALLATION, WIPE ALL PANELS CLEAN OF METAL SHAVINGS CAUSED BY DRILLING.

ISSUE	DATE	DESCRIPTION	BY	CK'O	OSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
 SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

CUSTOMER: ATLAS

OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	E5	A



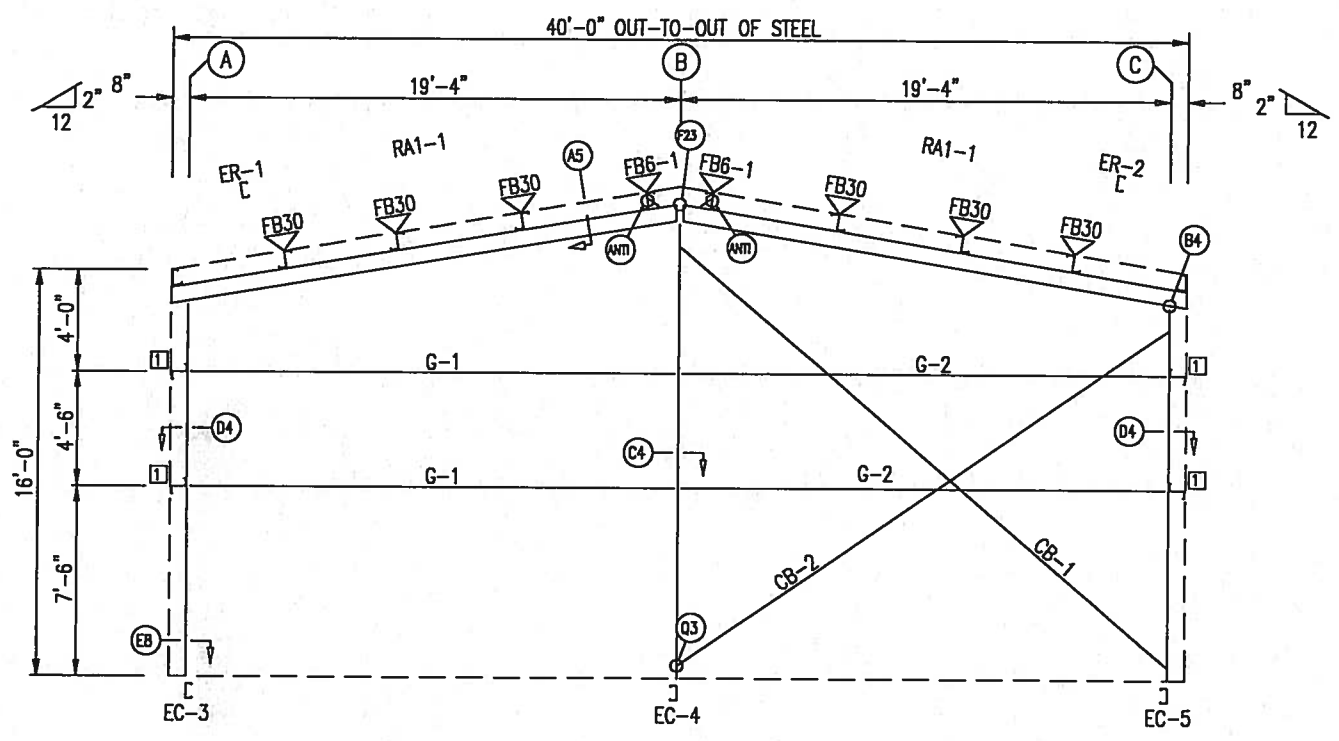
BEARING FRAME ONLY!
 WASHER TO BE USED AT ENDWALL COLUMN TO ENDWALL RAFTER CONNECTION. USE ONE WASHER ON COLUMN SIDE. WASHER NOT NEEDED ON CLIP SIDE.

BOLT TABLE FRAME LINE 4				
LOCATION	QUAN	TYPE	O/A	LENGTH
ER-1/ER-2	8	A325	5/8"	1 3/4"
Cor_Column/Rof	4	A325	1/2"	1 1/4"
EC-4/ER-2	4	A325	5/8"	1 1/4"

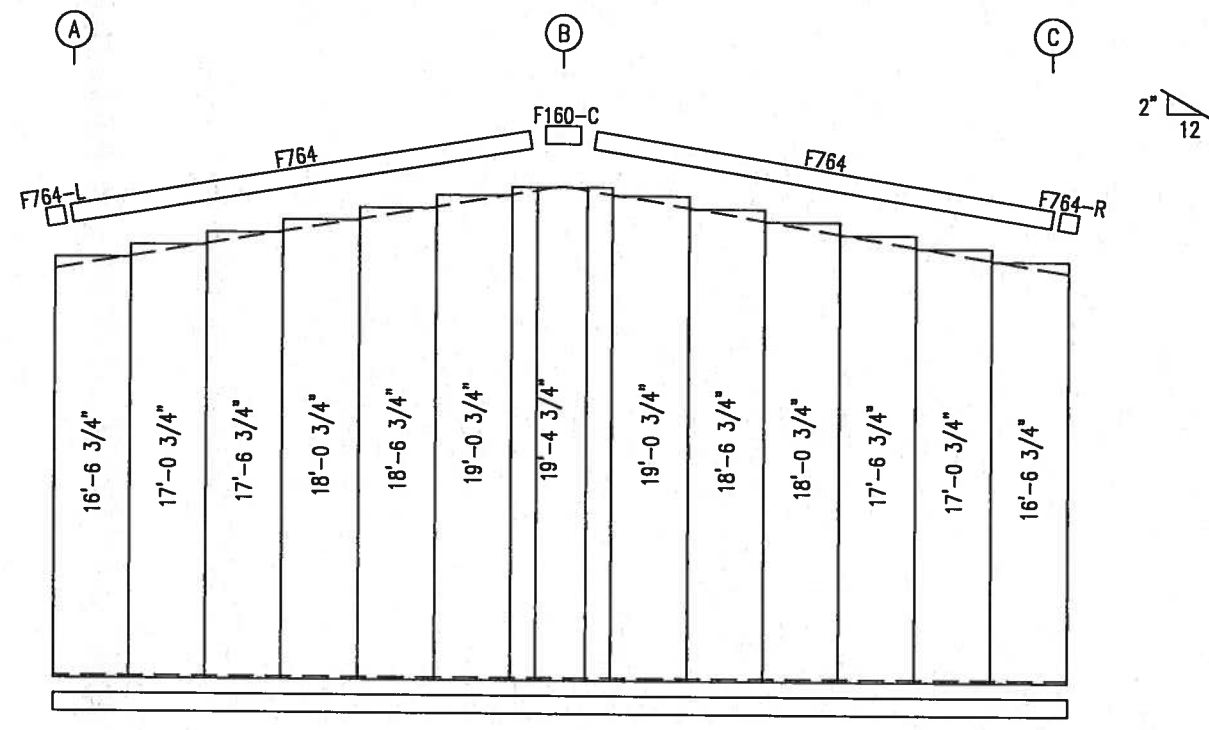
MEMBER TABLE FRAME LINE 4		
MARK	PART	LENGTH
EC-3	8F25C14	14'-5 13/16"
EC-4	8F35C12	17'-6"
EC-5	8F25C13	14'-5 13/16"
ER-1	10F35C12	20'-3 1/16"
ER-2	10F35C12	20'-3 1/16"
G-1	8X25Z14	18'-8"
G-2	8X25Z14	18'-11 3/4"
CB-1	1/2" O/A. ROD	25'-10"
CB-2	1/2" DIA. ROD	24'-0"

FLANGE BRACE TABLE FRAME LINE 4		
∇ IO	PART	LENGTH
FB30	L2X2X1/4G	2'-6"
FB6-1	L2X2X1/8"	2'-6"

CONNECTION PLATES FRAME LINE 4	
∇ IO	MARK/PART
1	SC-5



ENDWALL FRAMING: FRAME LINE 4



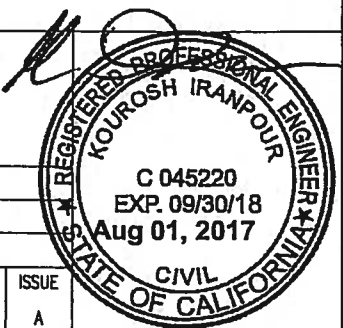
ENDWALL SHEETING & TRIM: FRAME LINE 4
 PANELS: 26 Gouge PBR - Polar White

- GENERAL NOTES:**
1. INSTALL ALL GIRTS AND FLANGE BRACES (FB) AS SHOWN.
 2. WALL PANEL PROVIDES STRUCTURAL STABILITY TO THE BUILDING.
 3. OTHER THAN FOR WALK DOORS AND WINDOWS SHOWN ON THE CONTRACT, DO NOT ADD ADDITIONAL WALL OPENINGS WITHOUT APPROVAL OF BUILDING MANUFACTURER OR PROFESSIONAL ENGINEER.
 4. AFTER INSTALLATION, WIPE ALL PANELS CLEAN OF METAL SHAVINGS CAUSED BY DRILLING.

ISSUE	DATE	DESCRIPTION	BY	CK'D	OSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS
 5230 CARROLL CANYON ROAD,
 SAN DIEGO, CALIFORNIA 92121 US.

PROJECT:	FILEDBROOK HIGH SCHOOL						
CUSTOMER:	ATLAS						
OWNER:	ATLAS						
LOCATION:	MCKINLEYVILLE, CA 95519						
CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	E6	A



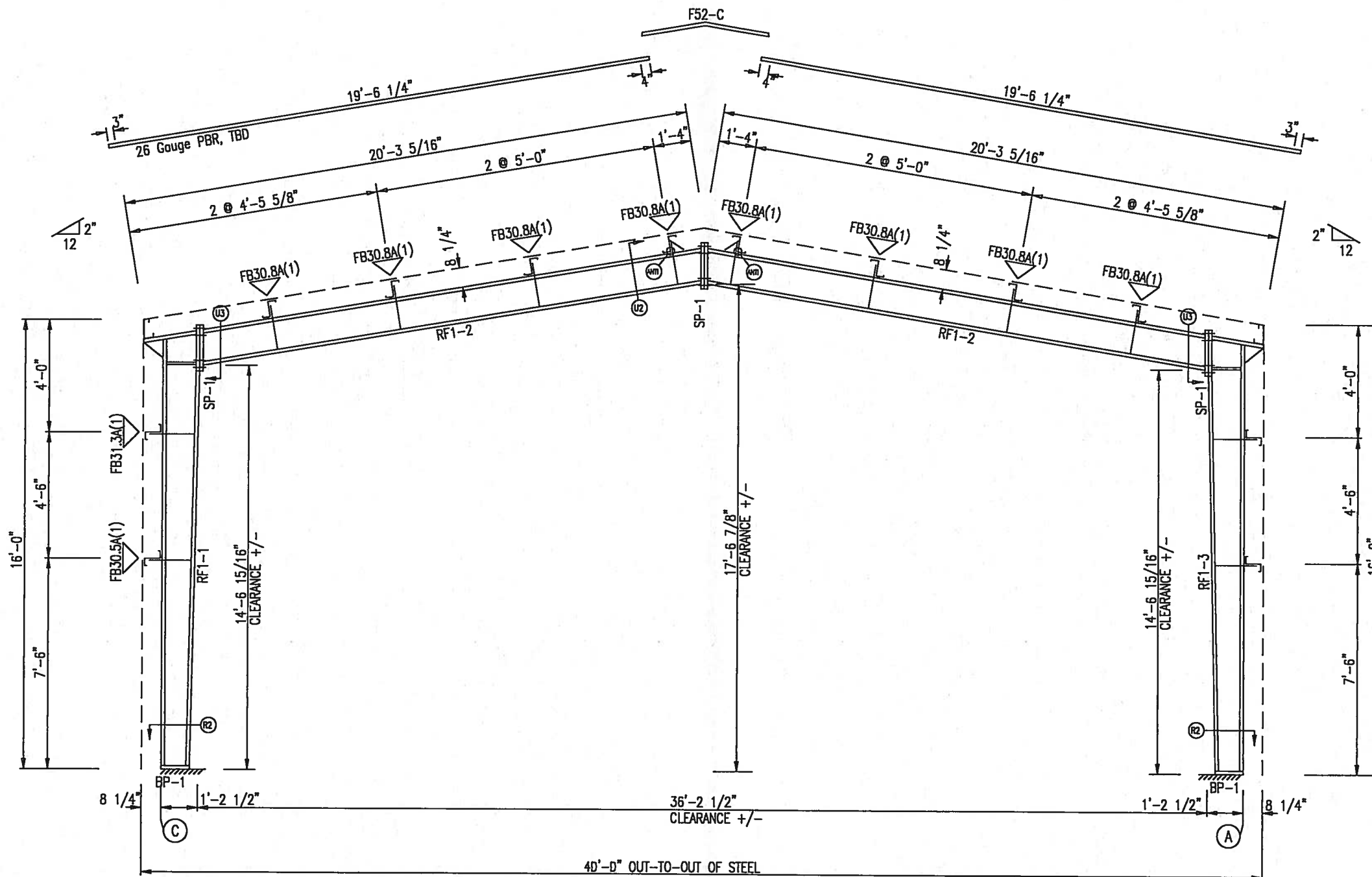
SPLICE PLATE & BOLT TABLE									
Mark	Qty Top	Qty Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	0	A325	3/4"	2 1/4"	6"	5/8"	1'-7"

STIFFENER TABLE				
Mark	Stiff Mark	Plate Size		Length
		Width	Thick	
RF1-1	St-1	2 1/2"	1/4"	13 15/16"
RF1-3	St-1	2 1/2"	1/4"	13 15/16"

BASE PLATE TABLE			
Col Mark	Plate Size		
	Width	Thick	Length
BP-1	6"	3/8"	9 1/2"

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length	
RF1-1	9.0/10.8	0.134	60.0	5 x 1/4" x 184.4	5 x 1/4" x 171.3	
RF1-2	10.8/14.0	0.156	126.8	5 x 1/4" x 22.8	5 x 1/4" x 218.6	
RF1-3	12.0/12.0	0.134	220.6	5 x 1/4" x 218.6	5 x 1/4" x 218.6	
	14.0/10.8	0.156	126.8	5 x 1/4" x 22.8	5 x 1/4" x 171.3	
	10.8/ 9.0	0.134	60.0	5 x 1/4" x 184.4		

FLANGE BRACES: BOTH SIDES (UNLESS NOTED)
 FBxxA(1): xx=length(in)
 A - L2X2X14G



FRAME CROSS SECTION: FRAME LINE 2 3

- GENERAL NOTES:**
- ALL BOLTED JOINTS WITH A325M-09 TYPE 1 BOLTS GREATER THAN 1/2" DIAMETER ARE SPECIFIED AS PRETENSIONED JOINTS IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, JUNE 30, 2004". PRETENSIONING CAN BE ACCOMPLISHED BY USING THE TURN-OF-NUT METHOD OF TIGHTENING, CALIBRATED WRENCH, TWIST OFF TYPE TENSION CONTROL BOLTS OR DIRECT TENSION INDICATOR AS ACCEPTABLE TO THE INSPECTING AGENCY AND BUILDING OFFICIAL. INSTALLATION INSPECTION REQUIREMENTS FOR PRE-TENSIONED JOINTS (SPECIFICATION FOR STRUCTURAL JOINTS SECTION 9.2) USING TURN-OF-NUT METHOD IS SUGGESTED. THE CONNECTIONS ON THIS PROJECT ARE NOT SLIP CRITICAL.
 - ALL FIELD CONNECTIONS OF SECONDARY FRAMING SHALL BE BOLTED WITH A325 BOLTS.
 - INSTALL ALL FLANGE BRACES ON COLUMN AND RAFTER AS SHOWN

ISSUE	DATE	DESCRIPTION	BY	CK'D	QSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
 SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL
 CUSTOMER: ATLAS
 OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	E7	A

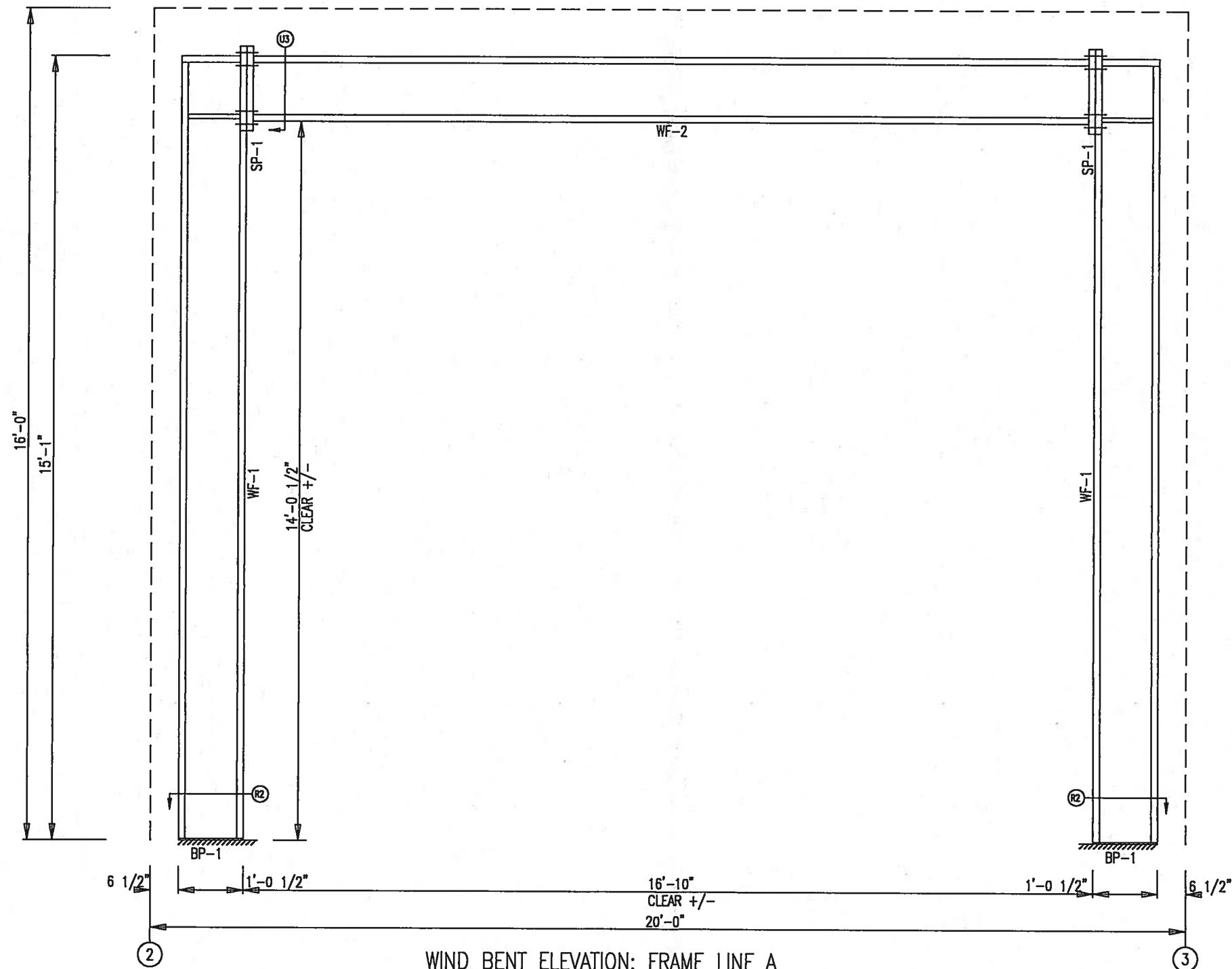


SPLICE PLATES & BOLTS								
Splice Mark	Quan		Bolt			Plate Size		
	Top	Bot	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	A325	3/4"	2"	6"	5/8"	1'-8 1/4"

STIFFENER TABLE					
Mark	Stiff Mark	Plate Size			
		Width	Thick	Length	
WF-1	St-1	2	1/2	1/4"	12"

BASE PLATES			
Col Mark	Plate Size		
	Width	Thick	Length
BP-1	6"	3/8"	1'-0 1/2"

MEMBER SIZE TABLE (in)						
MARK	LENGTH	WEB DEPTH		WEB PLATE		INSIDE FLANGE W x T x LENGTH
		START/END	THICK	LENGTH	OUTSIDE FLANGE W x T x LENGTH	
WF-1	181.0	12.0/12.0	0.185	15'-1"	6 x 1/4" x 15'-1"	6 x 1/4" x 15'-1"
WF-2	201.5	12.0/12.0	0.185	16'-9 1/2"	6 x 1/4" x 16'-9 1/2"	6 x 1/4" x 16'-9 1/2"



ISSUE	DATE	DESCRIPTION	BY	CK'O	OSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

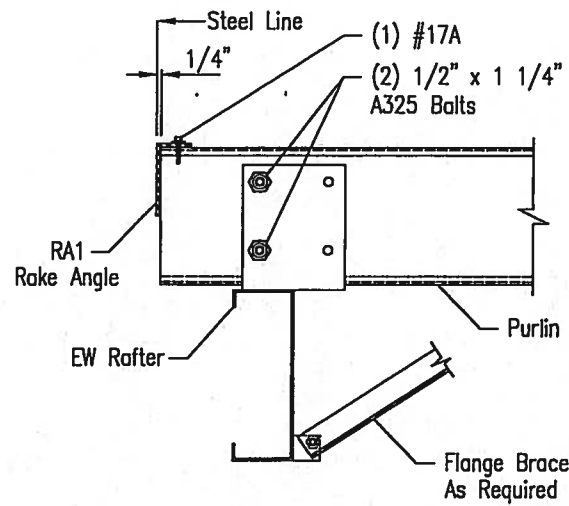
CUSTOMER: ATLAS

OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

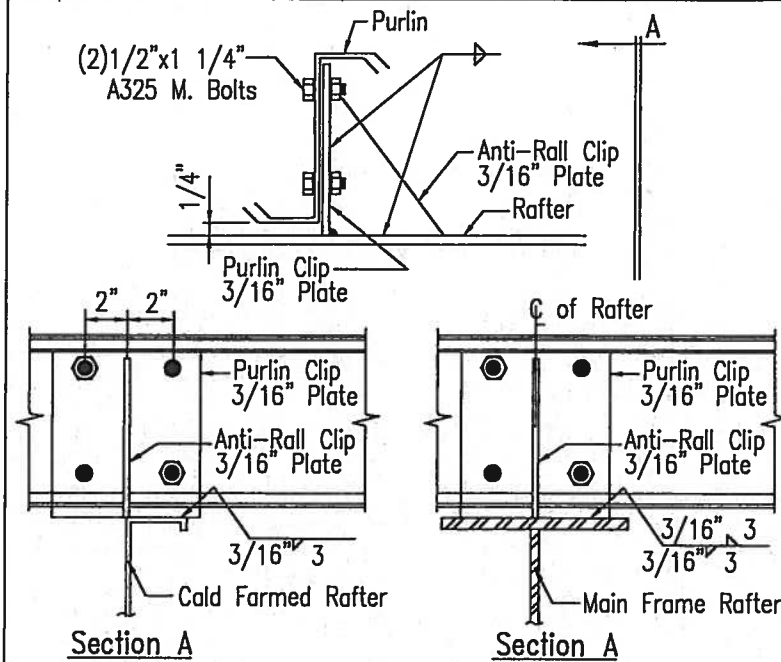
CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	EB	A



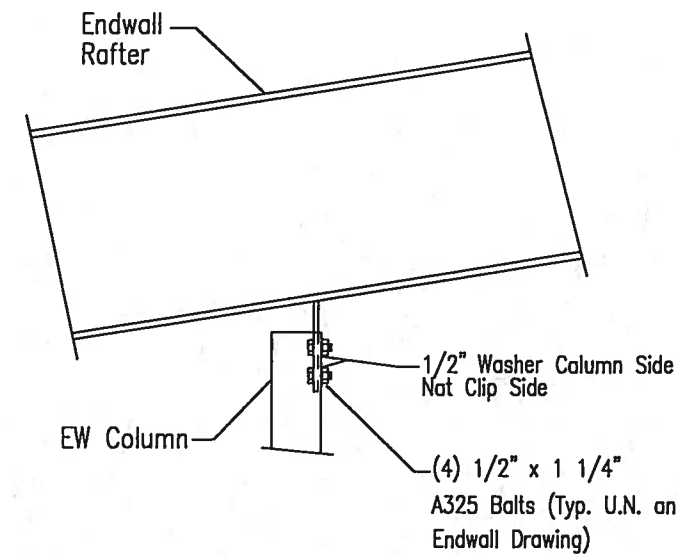


1/2" x 1 1/4" A325 Bolts
(Typ.) (U.N.)

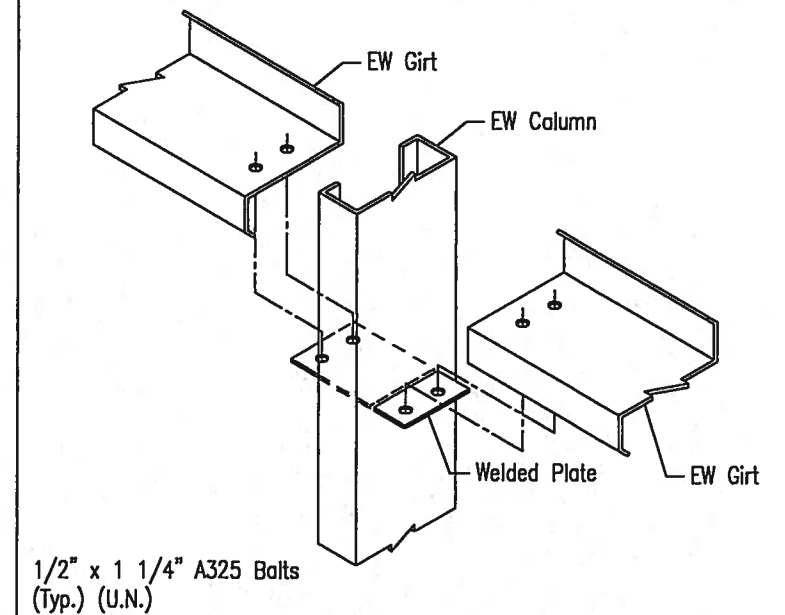
A5 SECTION THRU COLD FORMED RAFTER



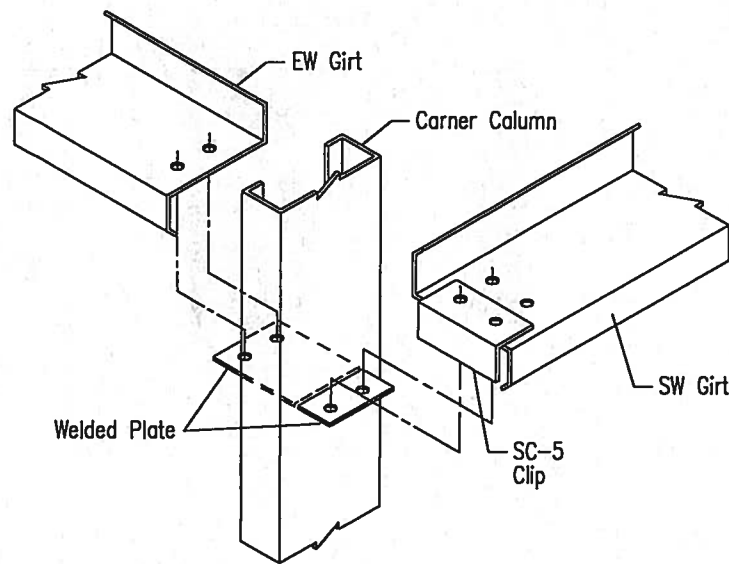
ANTI PURLIN ANTI-ROLL CLIP



B4 ENDWALL COLUMN TO RAFTER

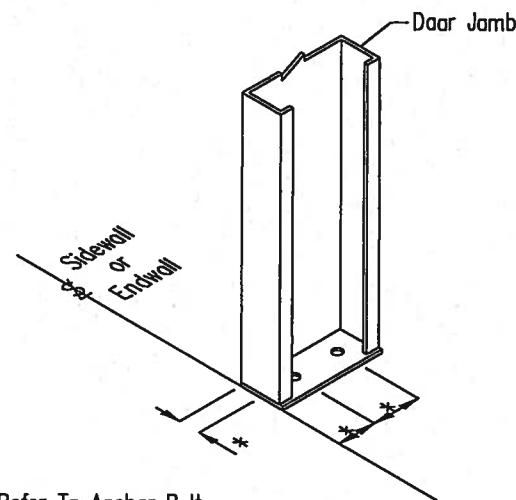


C4 CEE ENDWALL COLUMN TO WALL GIRT



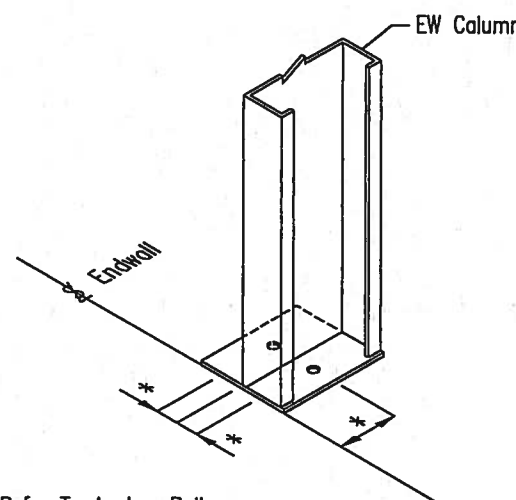
1/2" x 1 1/4" A325 Bolts
(Typ.) (U.N.)

D4 CORNER COLUMN TO WALL GIRT



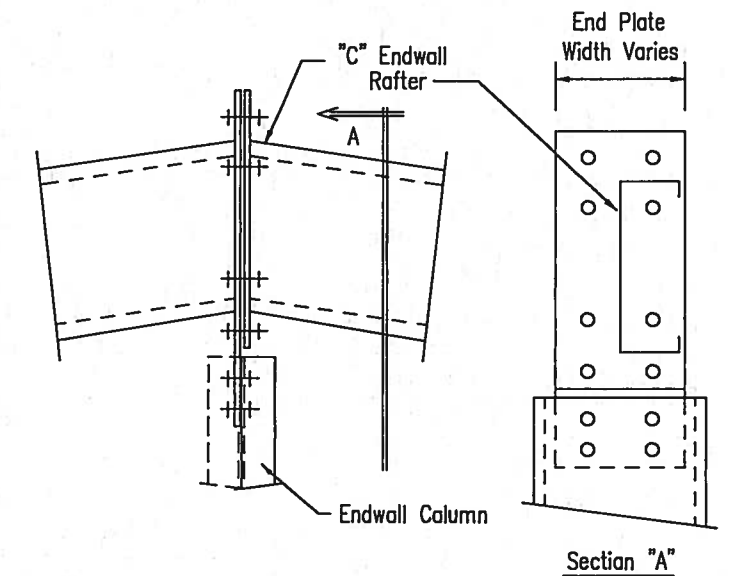
(*) = Refer To Anchor Bolt Plan

E5 BASE PLATE FOR DOOR JAMB



(*) = Refer To Anchor Bolt Plan

E8 BASE PLATE FOR ENDWALL COLUMN



See Endwall Drawing
For Bolt Dia. And Type.

F23 RAFTER SPLICE AT SURFACE CHANGE

ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

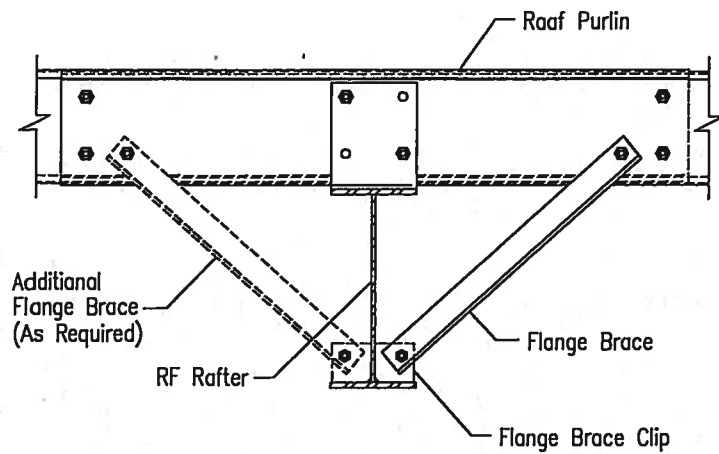
CUSTOMER: ATLAS

OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

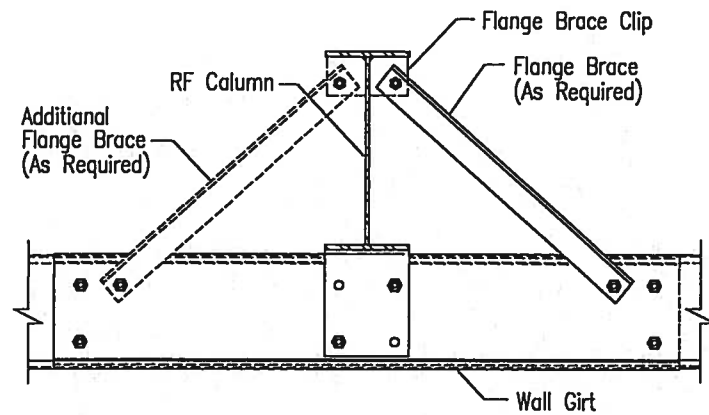
CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	DET1	A





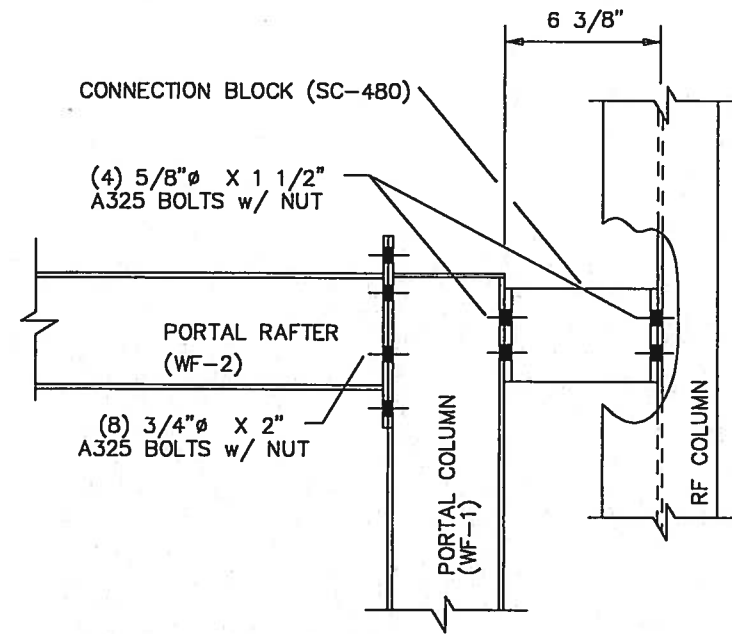
1/2" x 1 1/4" A325 Bolts
(Typ.) (U.N.)

G2 ROOF PURLIN TO INTERIOR FRAME RAFTER

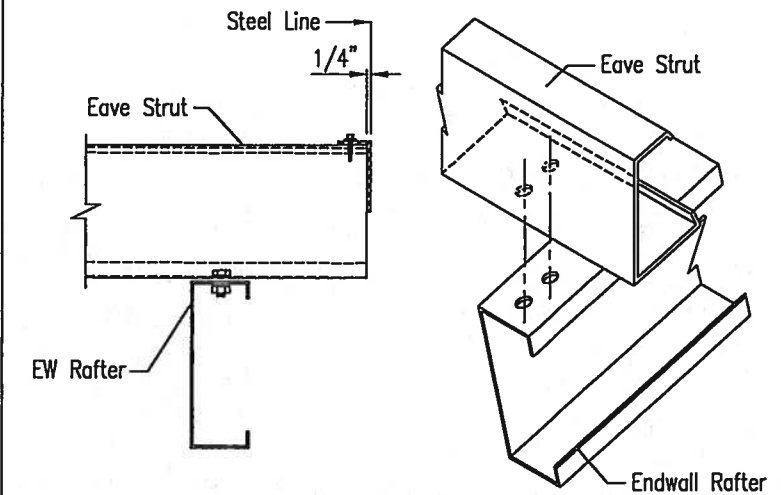


1/2" x 1 1/4" A325 Bolts
(Typ.) (U.N.)

H2 WALL GIRTS TO RIGID FRAME COLUMN

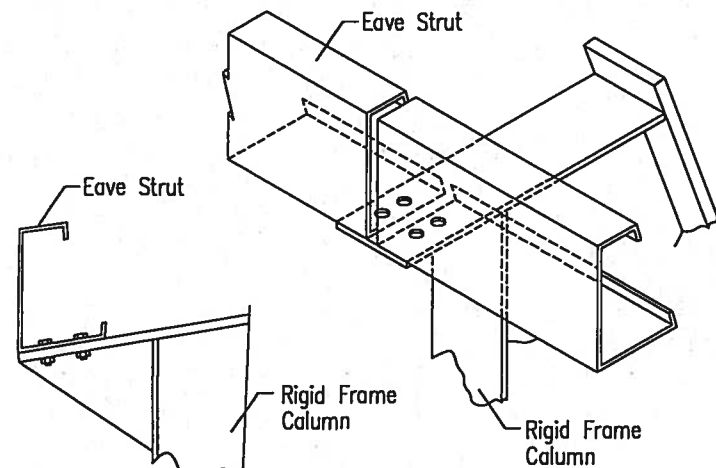


H10 PORTAL FRAME TO BUILDING COLUMN



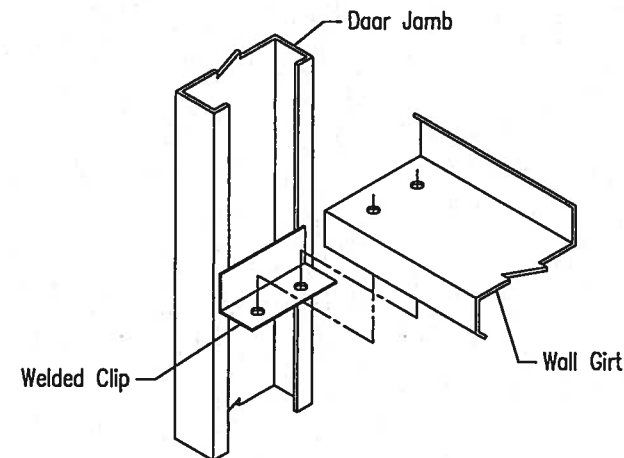
1/2" x 1 1/4" A325 Bolts
(Typ.) (U.N.)

16 LOW SIDE EAVE STRUT TO COLD FORMED RAFTER



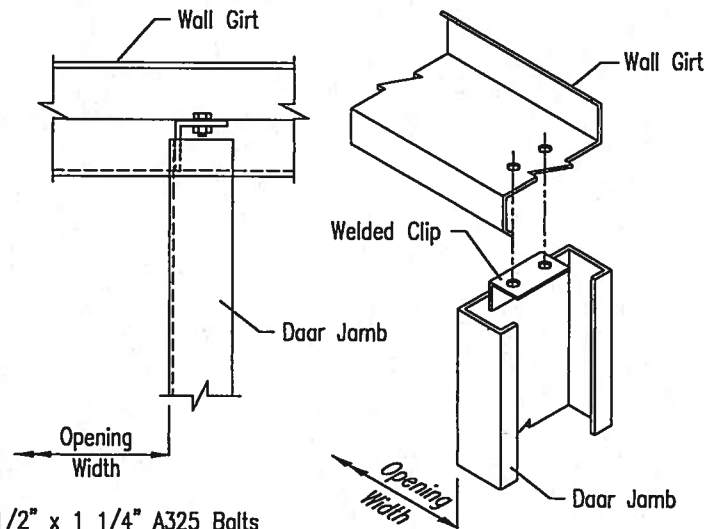
1/2" x 1 1/4" A325 Bolts
(Typ.) (U.N.)

J2 EAVE STRUT TO RIGID FRAME



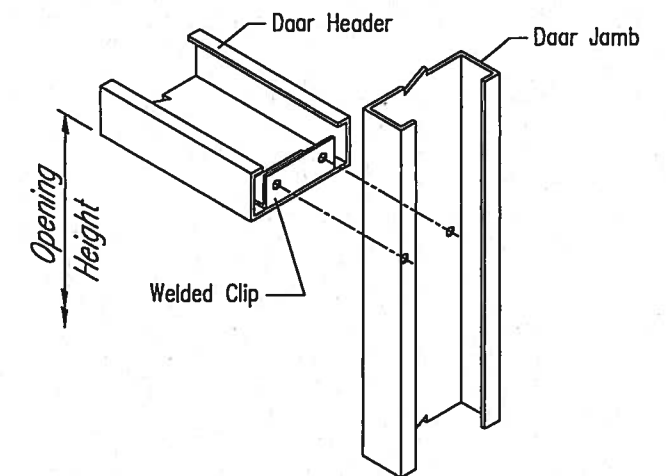
1/2" x 1 1/4" A325 Bolts
(Typ.) (U.N.)

K3 WALL GIRTS TO DOOR JAMB



1/2" x 1 1/4" A325 Bolts
(Typ.) (U.N.)

L8 DOOR JAMB TO WALL GIRTS



1/2" x 1 1/4" A325 Bolts
(Typ.) (U.N.)

M3 DOOR HEADER TO DOOR JAMB

ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

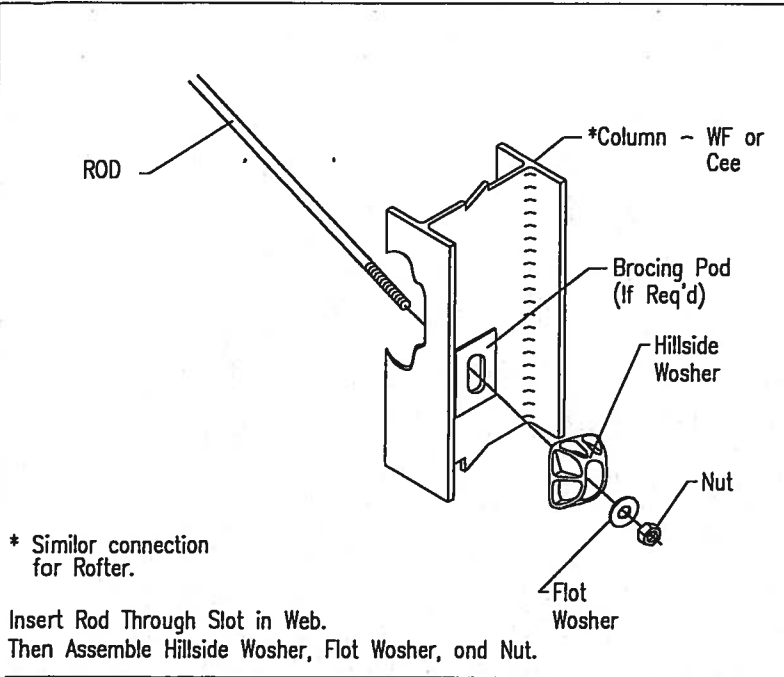
CUSTOMER: ATLAS

OWNER: ATLAS

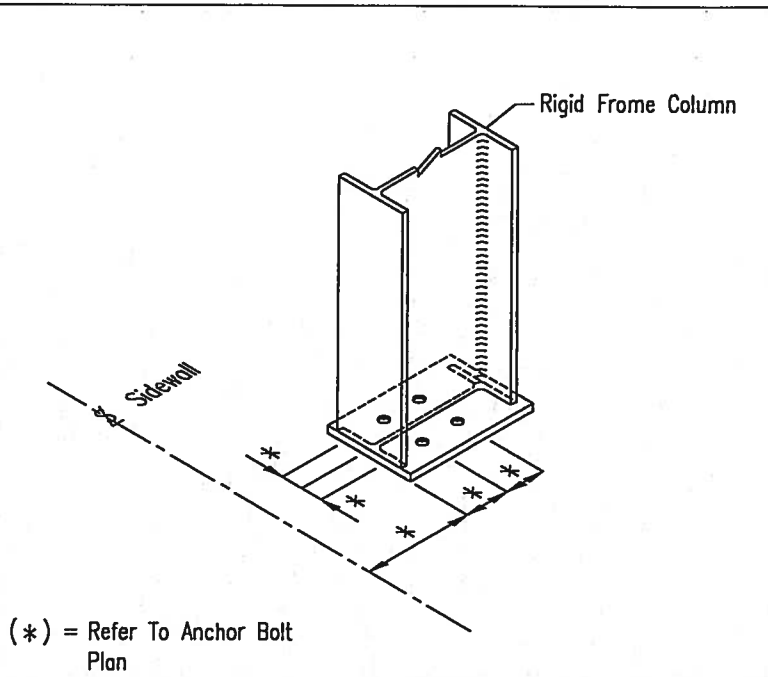
LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	DET2	A

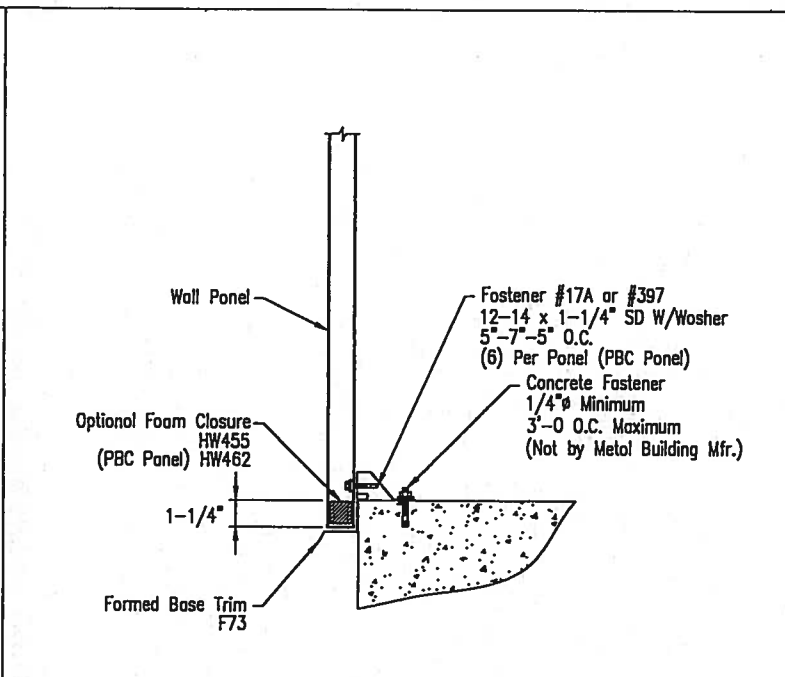




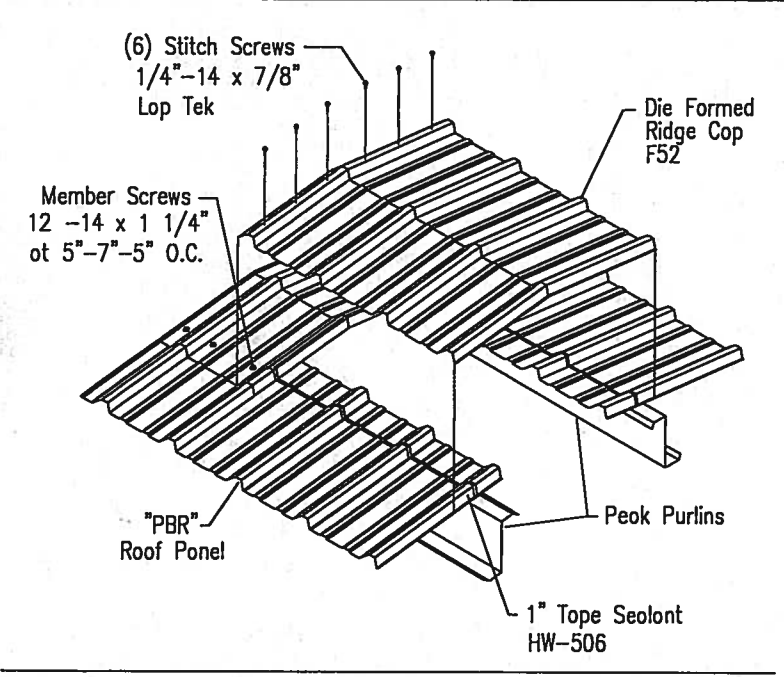
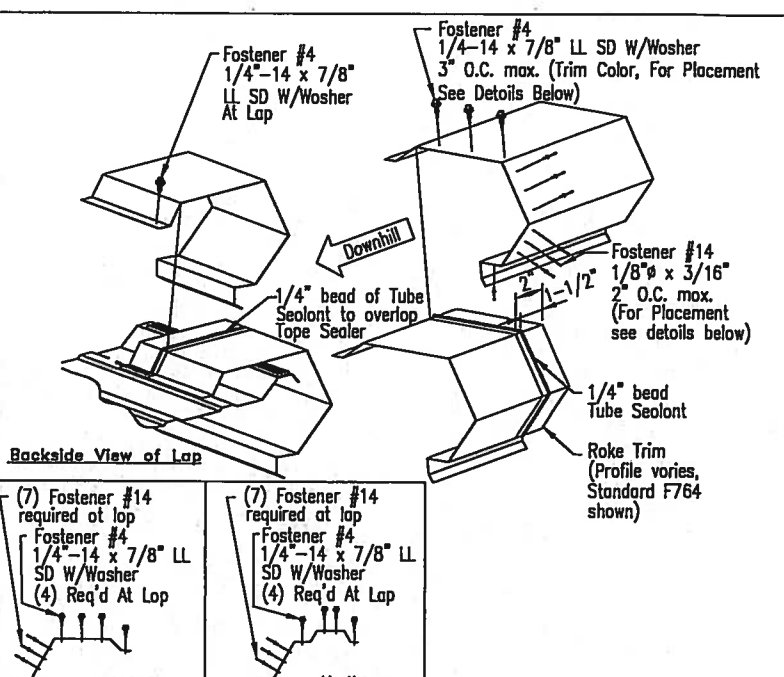
Q3 DIAGONAL ROD



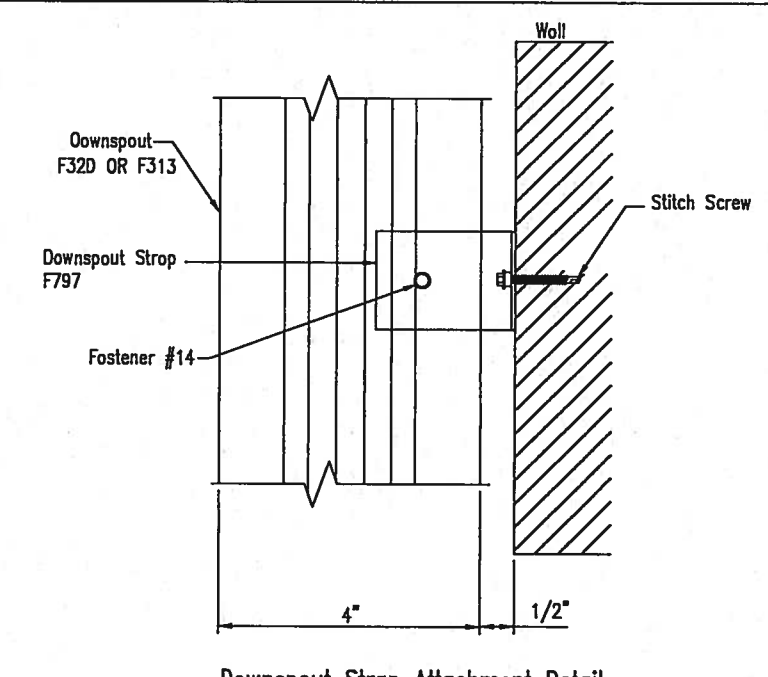
R2 ANCHOR BOLTS AT SIDEWALL COLUMNS



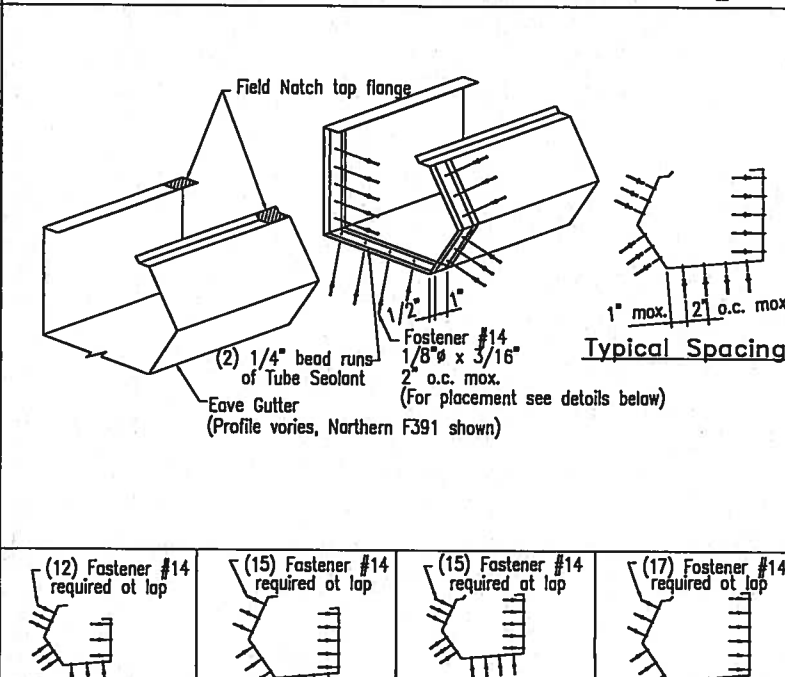
F73 Formed Base Trim Without Panel Recess
TRIM_39



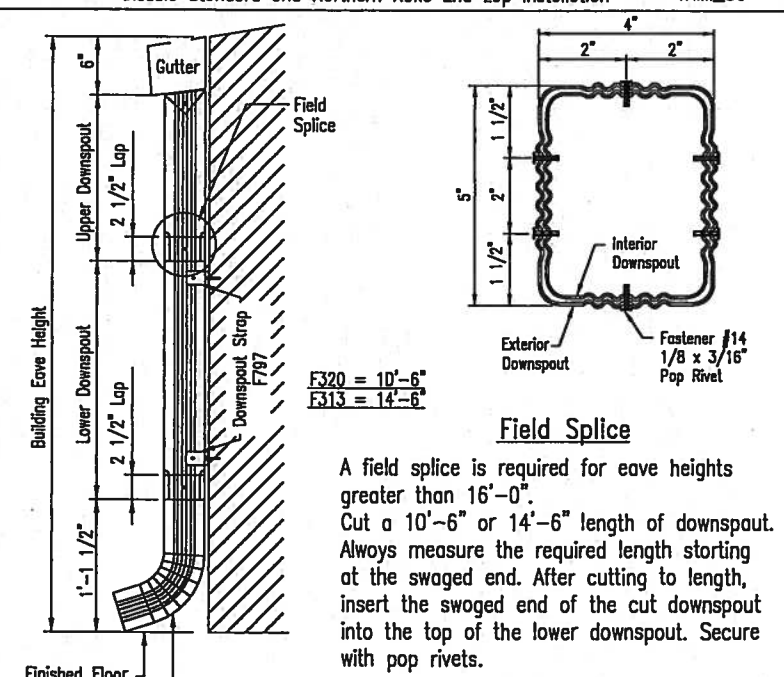
"PBR" ROOF FIXED RIDGE DETAIL
Trim_80



Downspout Strap Attachment Detail
4" x 5" Roll-Form
TRIM_81



Eave Gutter End Lap Installation - PBR Roof
Classic Trim Profile
TRIM_90



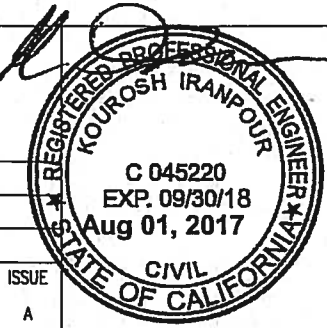
4" x 5" Roll Form Downspout
TRIM_96

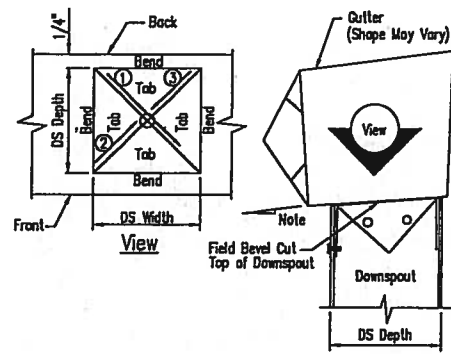
ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS
5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL
CUSTOMER: ATLAS
LOCATION: MCKINLEYVILLE, CA 95519
OWNER: ATLAS

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	DET3	A

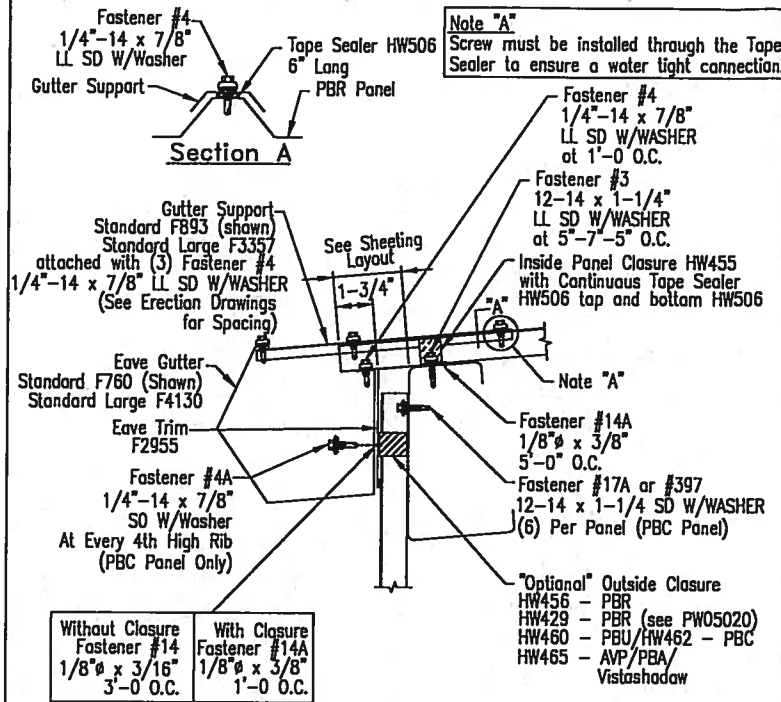




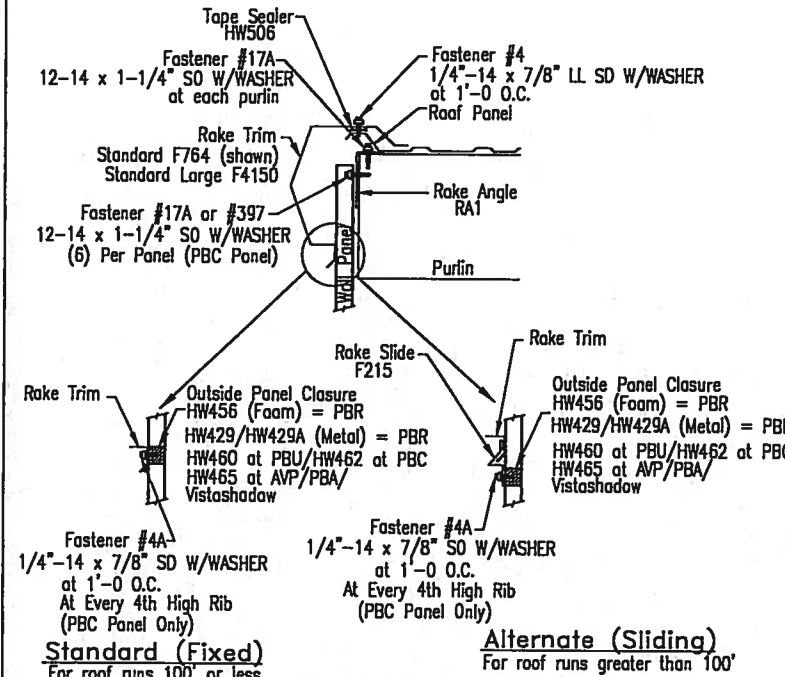
Downspout To Gutter Attachment Detail

1. Refer to the building erection drawings for the location and spacing of the downspouts.
2. Locate all downspouts over a major panel 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 Fastener #14 through the downspout into the gutter tab. Only the two sides and the front of the downspout will receive fasteners.

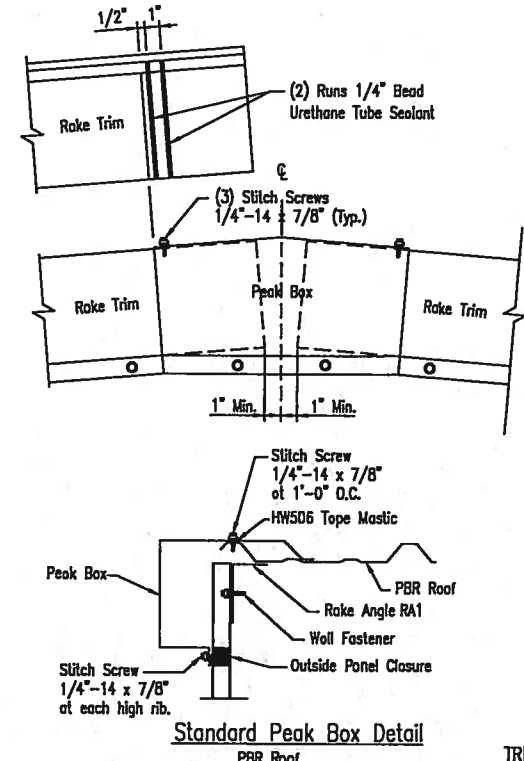
TRIM_98



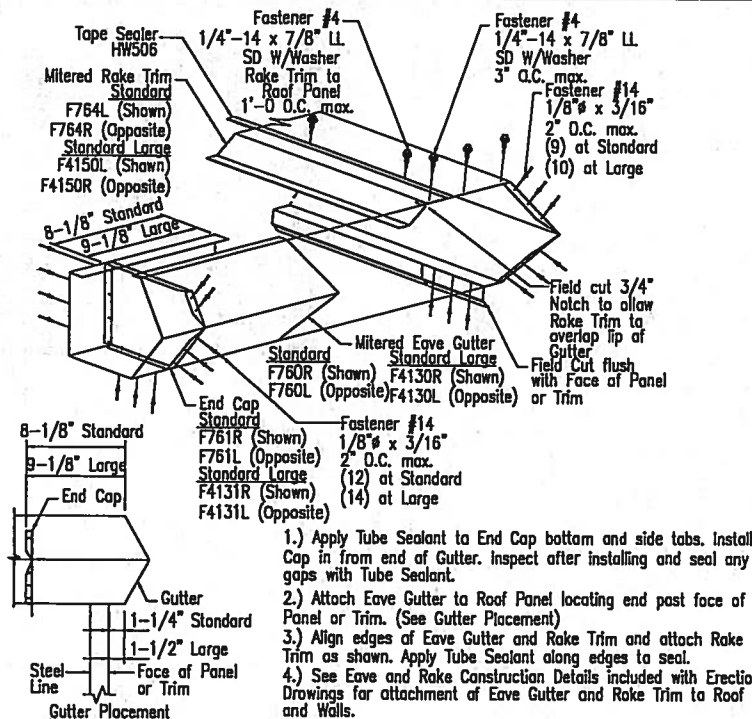
Low Eave Detail - PBR Roof
Classic Standard and Standard Large Gutter - Sheeted Wall TRIM_103



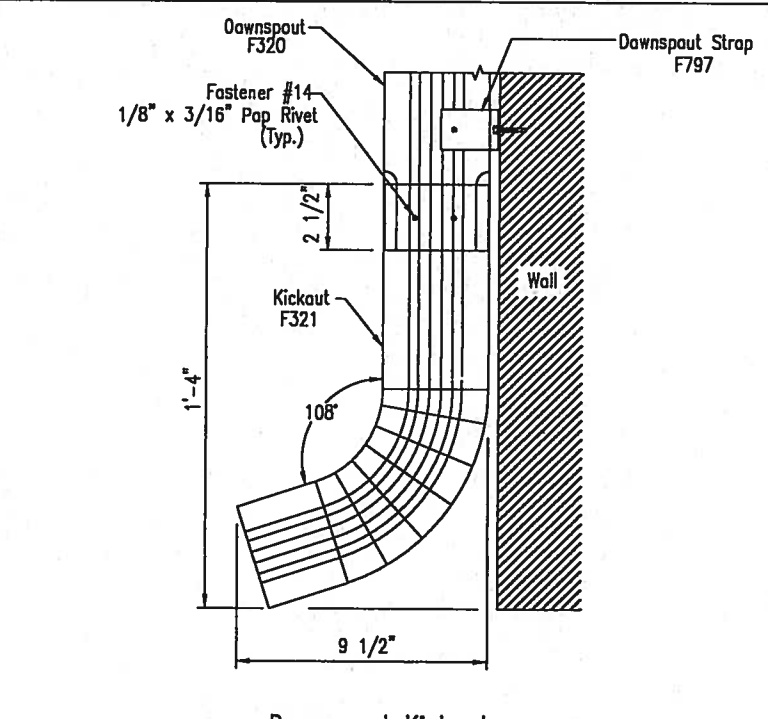
Rake Detail - PBR Roof
Classic Standard and Standard Large Rake Trim - Sheeted Wall TRIM_104



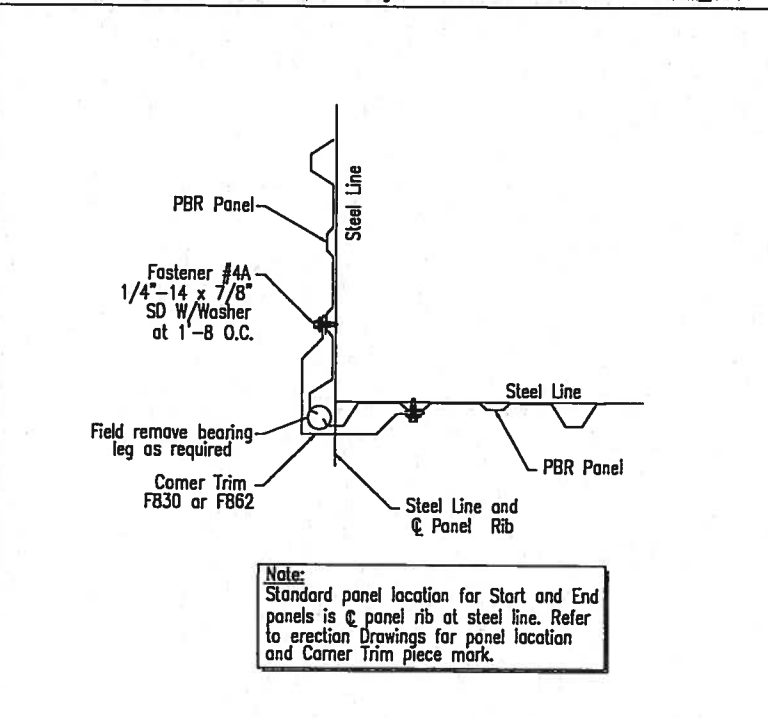
Standard Peak Box Detail
PBR Roof TRIM_106



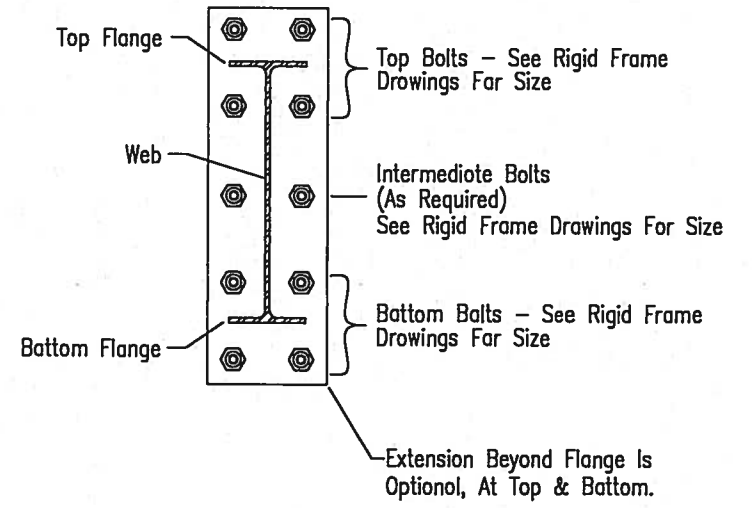
Low Eave Rake Corner with Eave Gutter
Standard and Standard Large Rake and Gutter TRIM_119



Downspout Kickout
4" x 5" Roll-Form TRIM_123



Outside Corner Trim - PBR Wall Panel
TRIM_186



U2 BOLTS FOR RIGID FRAME RAFTER AT BUILDING PEAK

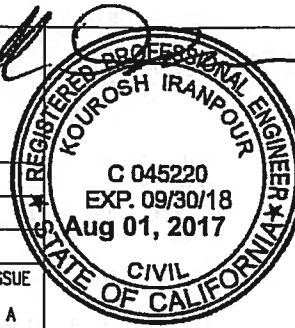
ISSUE	DATE	DESCRIPTION	BY	CK'D	OSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL
CUSTOMER: ATLAS
LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	DET4	A



GUIDANCE ON LTP PLACEMENT

BACKGROUND:

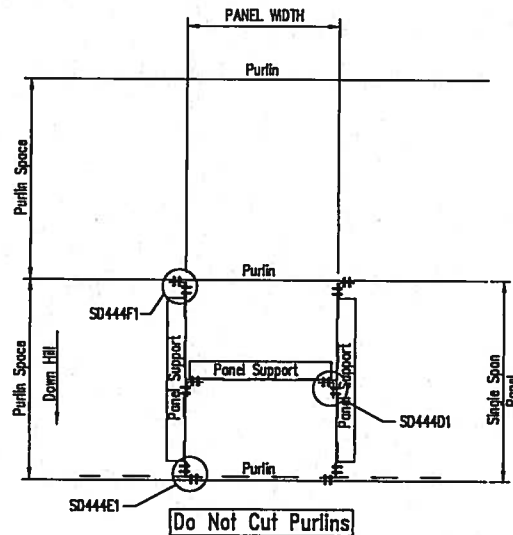
UNDERWRITERS LABRATORY CONSTRUCTION LISTINGS AVAILABLE TO NCI REQUIRE METAL ROOF PANELS AND LTPS TO BE IN AT LEAST A TWO SPAN CONDITION. SINGLE SPAN PANELS ARE NOT ACCEPTABLE. THIS IS ALSO GOOD ENGINEERING PRACTICE AS A SINGLE SPAN PANEL WILL FAIL BY THE SCREWS PULLING THROUGH THE PANEL AT THE EDGES. NONE OF OUR LOAD TABLES ARE BASED ON THIS FAILURE MODE.

THE INTERNATIONAL BUILDING CODE SECTION 2609 PROVIDES RESTRICTIONS ON THE PLACEMENT OF "LIGHT-TRANSMITTING PLASTIC ROOF PANELS" COMMONLY REFERRED TO AS LTPS. THE PURPOSE IS TO LIMIT FIRE EXPOSURE TO ADJACENT BUILDINGS. IF A BUILDING BEING DESIGNED BY NCI IS INTENDED TO BE CLOSER THAN 10' FROM AN ADJACENT BUILDING AND THERE ARE OPENINGS, ALONG THE ADJACENT WALL, THAT ARE REQUIRED TO BE FIRE PROTECTED THEN LTPS ARE NOT PERMITTED WITHIN 6' OF THE EAVE. (IBC06 SECTION 2609.3 AND 704.8) IT IS ALSO GOOD ENGINEER PRACTICE TO NOT PLACE LTPS NEAR THE EAVE OF A BUILDING. SAFETY IS A TOP CONCERN AT NCI. THEREFORE THE STANDARD LTP LOCATION FOR NCI WILL NOT BE CLOSER THAN TWO PURLIN SPANS OR 6' FROM THE EAVE.

THE INTERNATIONAL BUILDING CODE SECTION 2609.2 ALSO STATES THAT THERE SHALL BE A MINIMUM SEPERATION BETWEEN ADJACENT LTPS OF 4'. THIS PROVISION DOES NOT APPLY TO LOW HAZARD BUILDINGS LESS THAN 5000 SQ FT THAT HAVE A MINIMUM FIRE SEPERATION FROM ADJACENT BUILDINGS OF 10'.

FALL PROTECTION:

OSHA REQUIRES SKYLIGHTS BE GUARDED TO PROTECT PEOPLE FROM FALLING THROUGH THEM WITH ONE OF SEVERAL METHODS OF FALL PROTECTION. THESE METHODS ARE OUTLINED IN OSHA 29CFR 1910.23(a)(4) SKYLIGHT SCREENS, 1910.23(e)(8) SLATWORK, 1926.500(b)(4) RAILING, 1926.502(b) GUARDRAIL SYSTEM, (c) SAFETY NET SYSTEMS, (d) PERSONAL FALL ARREST SYSTEMS, (e) POSITIONING DEVICE SYSTEM, (f) WARNING LINE SYSTEM, (g) CONTROL ACCESS ZONE, (h) SAFETY MONITOR, (i) COVERS.



All panel supports are to be field cut and located at the same elevation as the top of the purlins. Support framing will be 8". See cold form material.

PBR Single Span Panel Support Frame Type "B"

THIS LETTER IS AN UPDATE ON THE LTP PLACEMENT OPTIONS THAT ARE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, UNDERWRITERS LABRATORY AND GOOD ENGINEERING PRACTICES.

(1) SINGLE SPAN METAL OR LTP PANELS SHOULD NOT BE USED. THE MINIMUM NUMBER OF SPANS FOR ANY PANEL IS TWO. (2) LTPS SHOULD NOT BE PLACED WITHIN 6' OF THE BUILDING EAVE. (3) THERE SHOULD BE 4' OF METAL PANEL SEPARATING ADJACENT LTPS. GIVEN THIS GUIDANCE, THE FOLLOWING TABLE ILLUSTRATES THE MAXIMUM DENSITY OF LTPS FOR VARYING ROOF SPANS WITH A 5' PURLIN SPACING AND TWO SPAN MINIMUM CONDITION. SMALLER PURLIN SPACING CAN BE USED TO OBTAIN THE REQUIRED TWO SPAN CONDITIONS. *SIMPLE SPAN METAL PANELS OR LTPS ARE PERMITTED WITH ADDITIONAL FRAMING WHICH CREATES A TWO SPAN CONDITION. THE ATTACHED DETAILS ILLUSTRATES THE FRAMING NECESSARY TO CREATE A TWO SPAN CONDITION FOR A SINGLE SPAN PANEL OR LTP.

MAXIMUM LTP DENSITY AND LOCATION FOR VARYING ROOF PLANE WIDTHS (GABLE BUILDING)

BLDG WIDTH	ROOF PLANE WIDTH	PANEL SPANS	PURLIN LOCATION																	
			5	10	15	20	25	30	35	40	45	50								
20	10	2	PBR	PBR																
30	15	3	PBR	PBR	LTP*															
40	20	4	PBR	PBR	LTP	LTP														
50	25	5	PBR	PBR	LTP	LTP	PBR*													
60	30	6	PBR	PBR	LTP	LTP	PBR	PBR												
70	35	7	PBR	PBR	LTP	LTP	PBR*	LTP	LTP											
80	40	8	PBR	PBR	LTP	LTP	PBR	PBR	LTP	LTP										
90	45	9	PBR	PBR	LTP	LTP	PBR	PBR	LTP	LTP	PBR*									
100	50	10	PBR	PBR	LTP	LTP	PBR	PBR	LTP	LTP	PBR	PBR								

MAXIMUM LTP DENSITY AND LOCATION FOR VARYING ROOF PLANE WIDTHS (SINGLE SLOPE BUILDING)

BLDG WIDTH	ROOF PLANE WIDTH	PANEL SPANS S	PURLIN LOCATION																	
			5	10	15	20	25	30	35	40	45	50								
10	10	2	PBR	PBR																
15	15	3	PBR	PBR	PBR															
20	20	4	PBR	PBR	PBR	PBR														
25	25	5	PBR	PBR	LTP*	PBR	PBR*													
30	30	6	PBR	PBR	LTP	LTP	PBR	PBR												
35	35	7	PBR	PBR	LTP	LTP	PBR	PBR	PBR											
40	40	8	PBR	PBR	LTP	LTP	PBR*	LTP*	PBR	PBR										
45	45	9	PBR	PBR	LTP	LTP	PBR*	LTP	LTP	PBR	PBR									
50	50	10	PBR	PBR	LTP	LTP	PBR	PBR	LTP	LTP	PBR	PBR								

WALL LTPS ARE NOT SUITABLE FOR ROOF APPLICATIONS. FOR PURLIN SPACING LESS THAN 5', ROOF LTPS MUST BE "FIELD CUT" TO LENGTH (SEE ERECTION DRAWINGS FOR DETAILS). INSULATED PANELS CAN ONLY BE "FACTORY CUT" TO LENGTH.

WARNING: LIGHT TRANSMITTING PANELS (LTP'S) ARE NOT DESIGNED OR INTENDED TO BEAR THE WEIGHT OF ANY PERSON WALKING, STEPPING, STANDING, OR RESTING ON THEM. THE MANUFACTURER DISCLAIMS ANY WARRANTY OR REPRESENTATION, EXPRESSED OR IMPLIED, THAT ANY PERSON CAN SAFELY WALK, STEP, STAND, OR REST ON OR NEAR THESE LIGHT TRANSMITTING PANELS, OR THAT THEY COMPLY WITH OSHA REGULATION.

ISSUE	DATE	DESCRIPTION	BY	CK'O	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

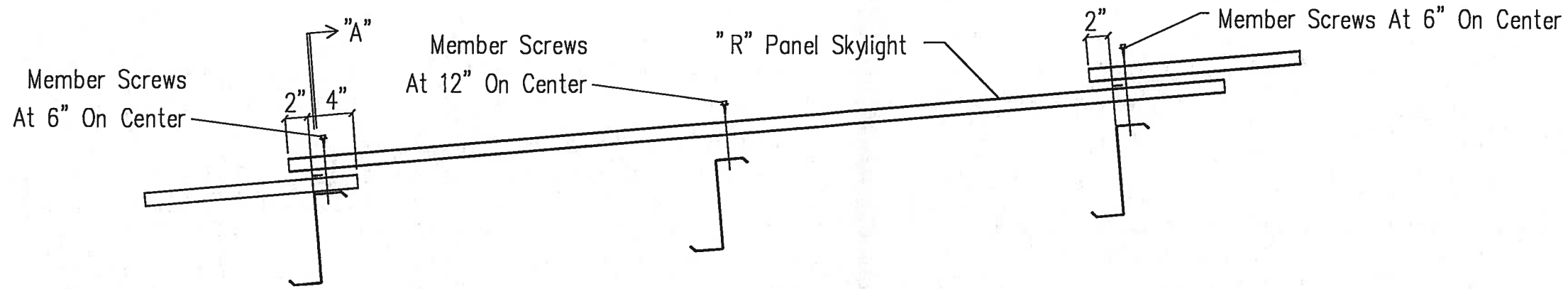
CUSTOMER: ATLAS

OWNER: ATLAS

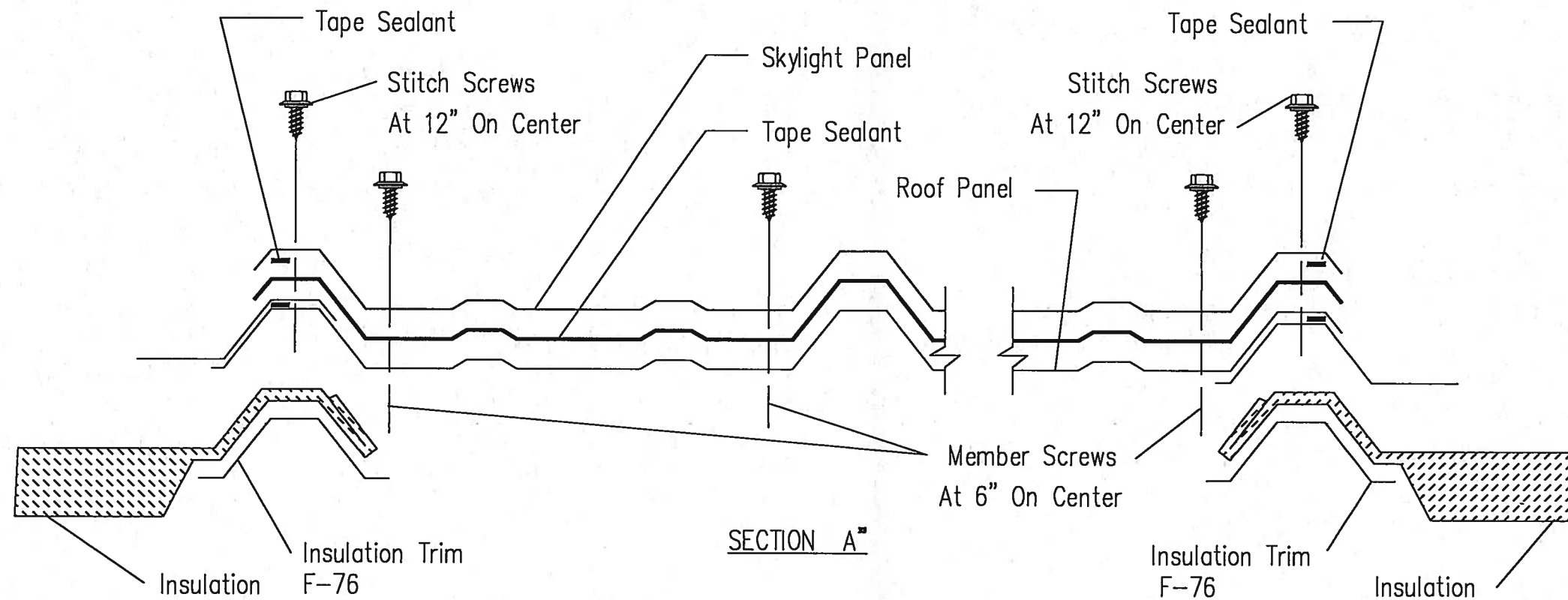
LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	DET6	A





SECTION THRU STANDARD SKYLIGHT ROOF PANEL



STANDARD SKYLIGHT PANEL INSTALLATION

ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

CUSTOMER: ATLAS

OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

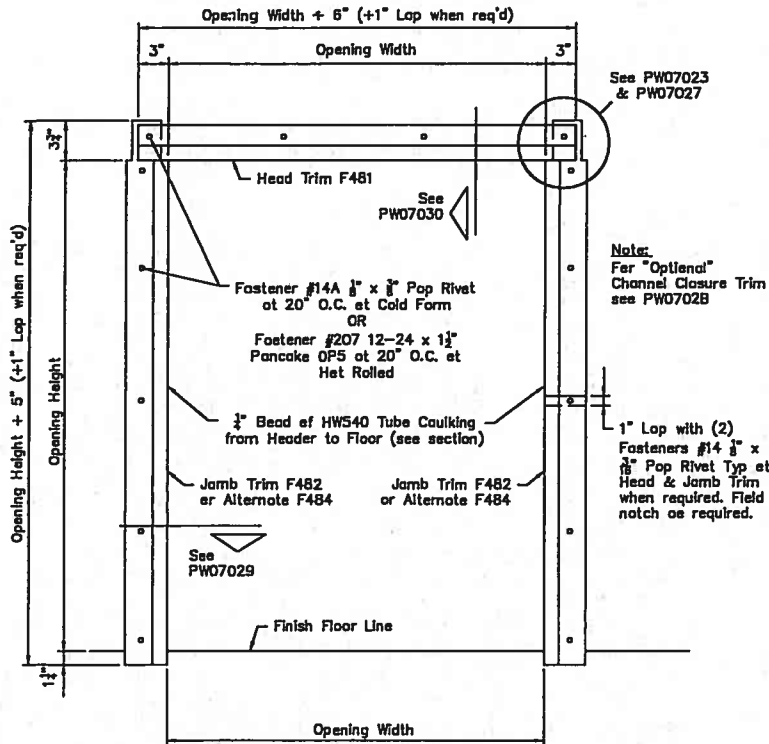
CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	DET7	A



PBR Wall Panel - Three Sided Framed Opening
Trim Installation with Field Notch Panel at Head Trim

PW07022

Note: Trim installation can be done by Field Notch Panel as shown on PW07022 & PW07023 OR with Field Notch and Bend Tabs at Head Trim as shown on PW07024 & PW07025.



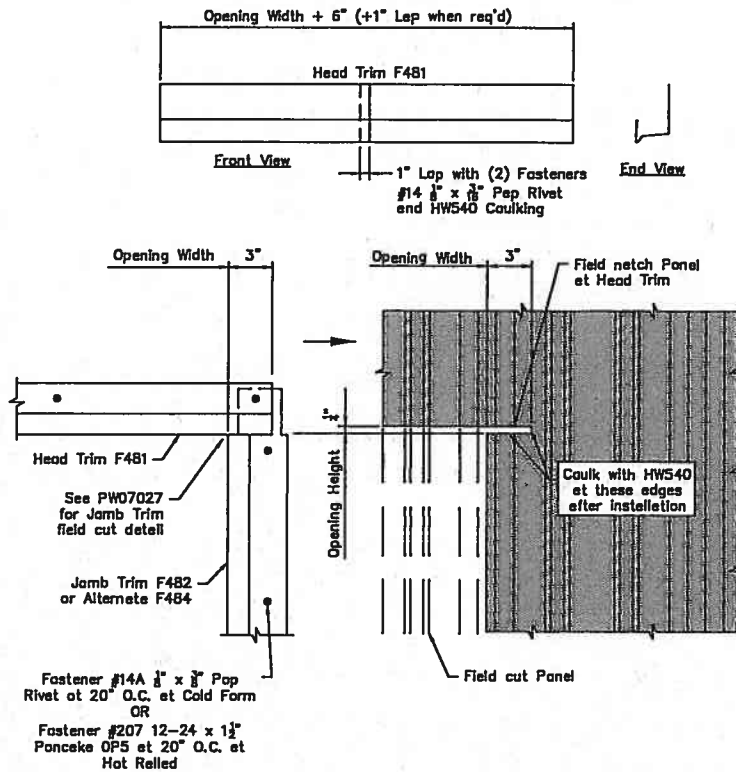
Note: All trim is to be installed BEFORE blanket insulation is applied to walls.

Note: Field measure Opening Width and Height before making field cuts and adjust cut dimensions accordingly.

PBR Wall Panel - Three Sided Framed Opening
Field Notch Panel at Head Trim

PW07023

Note: Trim installation can be done by Field Notch Panel as shown on PW07022 & PW07023 OR with Field Notch and Bend Tabs at Head Trim as shown on PW07024 & PW07025.



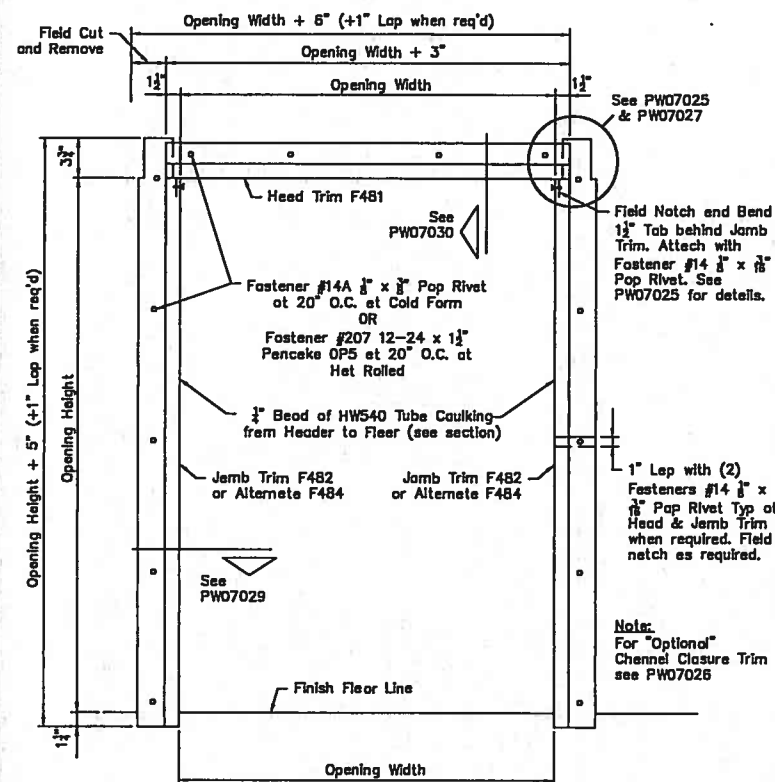
Note: All trim is to be installed BEFORE blanket insulation is applied to walls.

Note: Panel position is shown with Panel Rib and Opening on 1'-0 module. Location of Rib may vary depending on the Opening Width and location. Field measure before cutting Panel and Trim.

PBR Wall Panel - Three Sided Framed Opening
Trim Installation with Field Notch and Bend Tabs at Head Trim

PW07024

Note: Trim installation can be done by Field Notch Panel as shown on PW07022 & PW07023 OR with Field Notch and Bend Tabs at Head Trim as shown on PW07024 & PW07025.



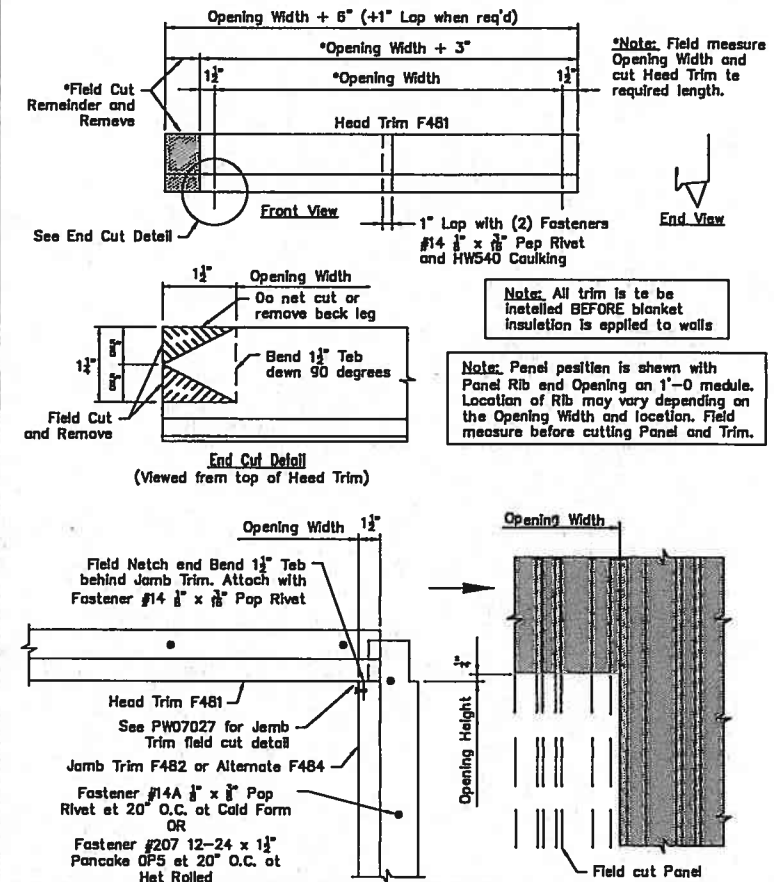
Note: All trim is to be installed BEFORE blanket insulation is applied to walls.

Note: Field measure Opening Width and Height before making field cuts and adjust cut dimensions accordingly.

PBR Wall Panel - Three Sided Framed Opening
Field Notch and Bend Tabs at Head Trim

PW07025

Note: Trim installation can be done by Field Notch Panel as shown on PW07022 & PW07023 OR with Field Notch and Bend Tabs at Head Trim as shown on PW07024 & PW07025.



Note: Field measure Opening Width and cut Head Trim to required length.

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

Note: Panel position is shown with Panel Rib and Opening on 1'-0 module. Location of Rib may vary depending on the Opening Width and location. Field measure before cutting Panel and Trim.

STANDARD FRAMED OPENING DETAILS (PBR WALL PANEL)

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EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

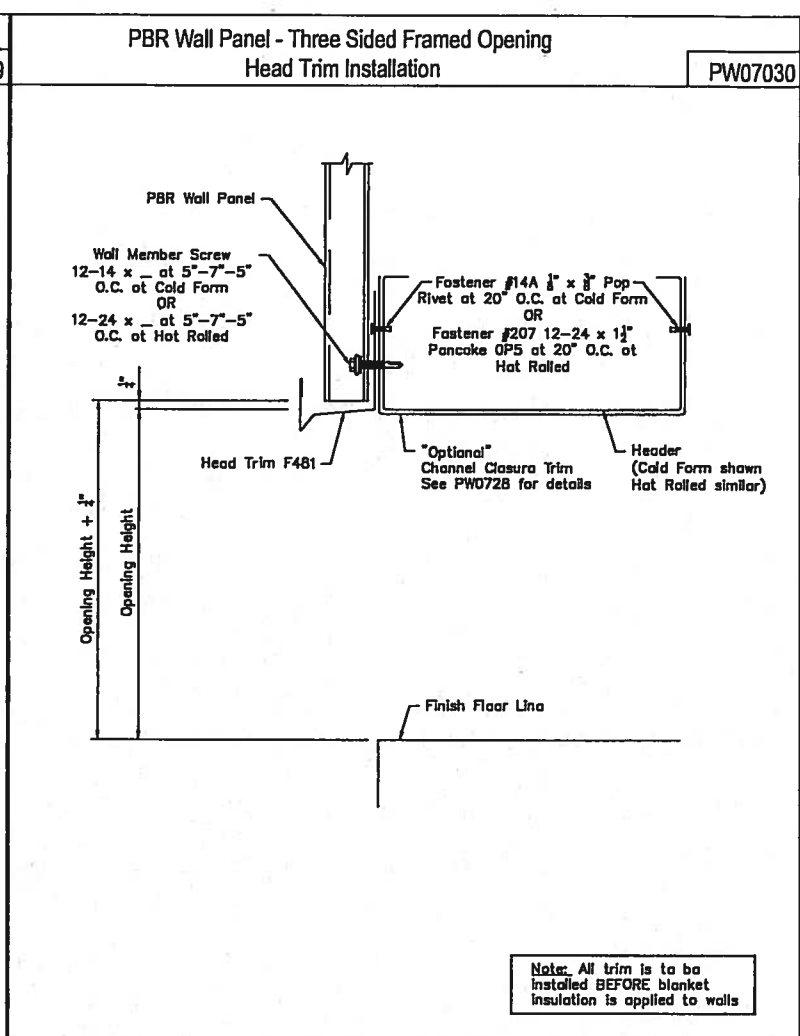
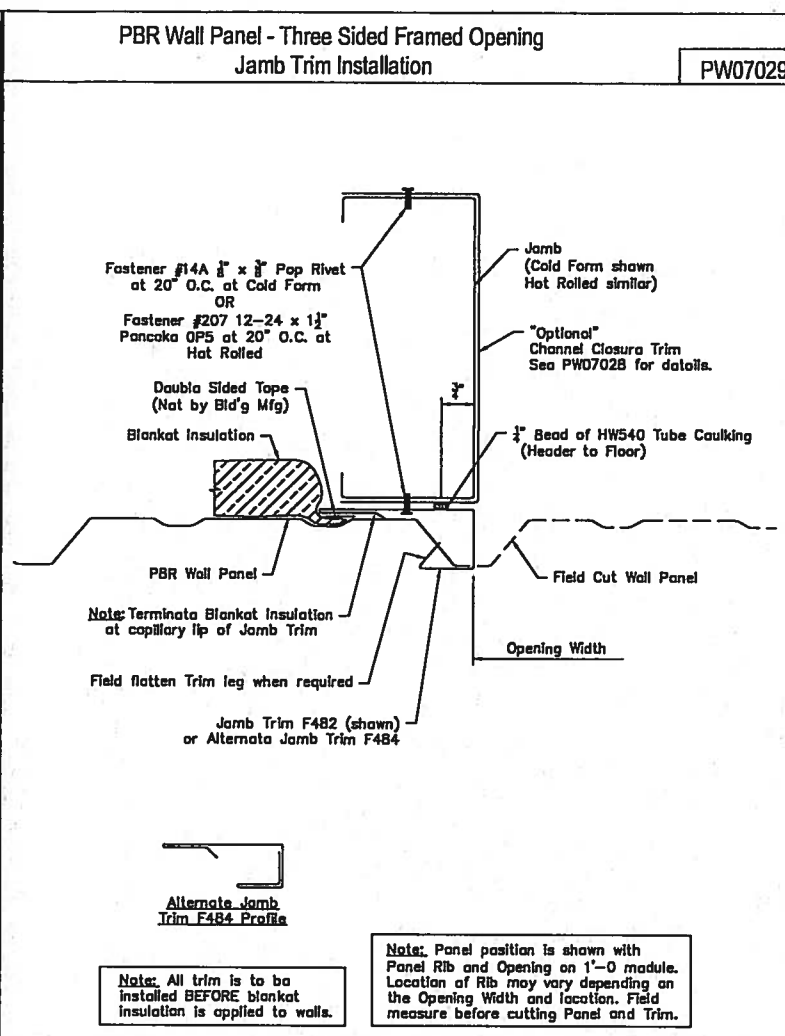
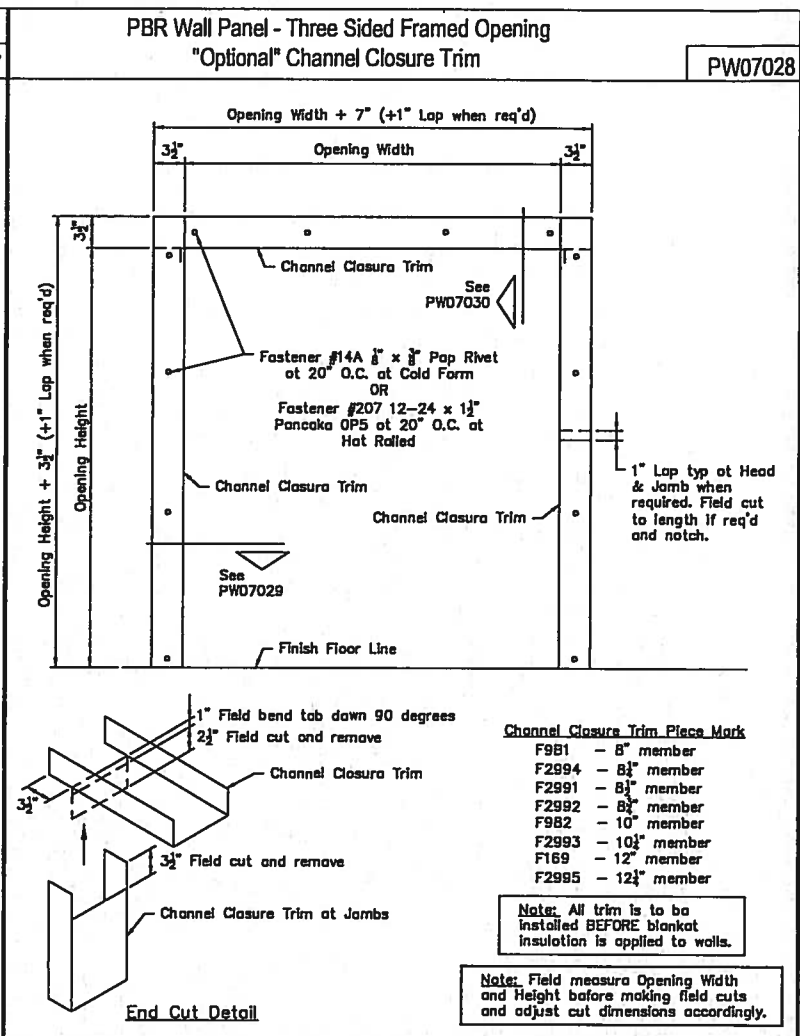
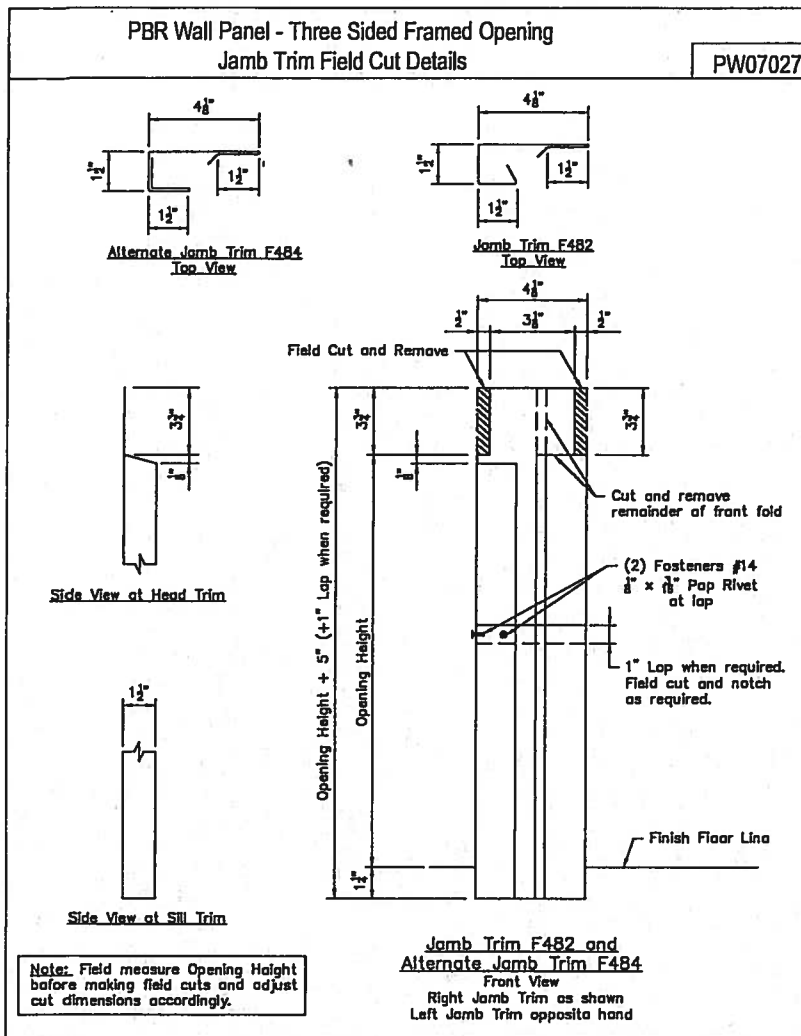
CUSTOMER: ATLAS

OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	DET8	A





STANDARD FRAMED OPENING DETAILS (PBR WALL PANEL)
CONT.

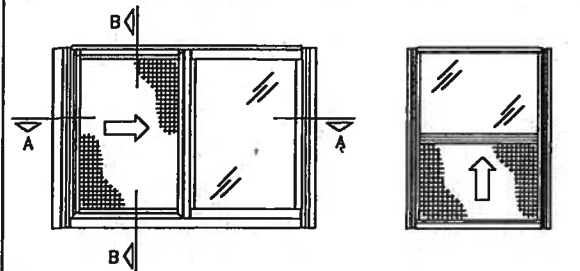
ISSUE	DATE	DESCRIPTION	BY	CK'O	OSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS
5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

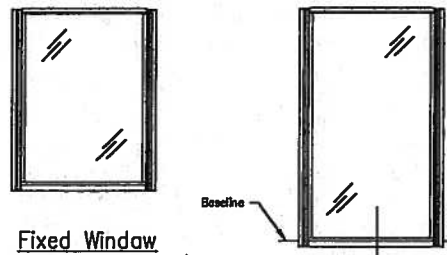
PROJECT: FILEDBROOK HIGH SCHOOL
CUSTOMER: ATLAS
LOCATION: MCKINLEYVILLE, CA 95519
OWNER: ATLAS

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	DET9	A



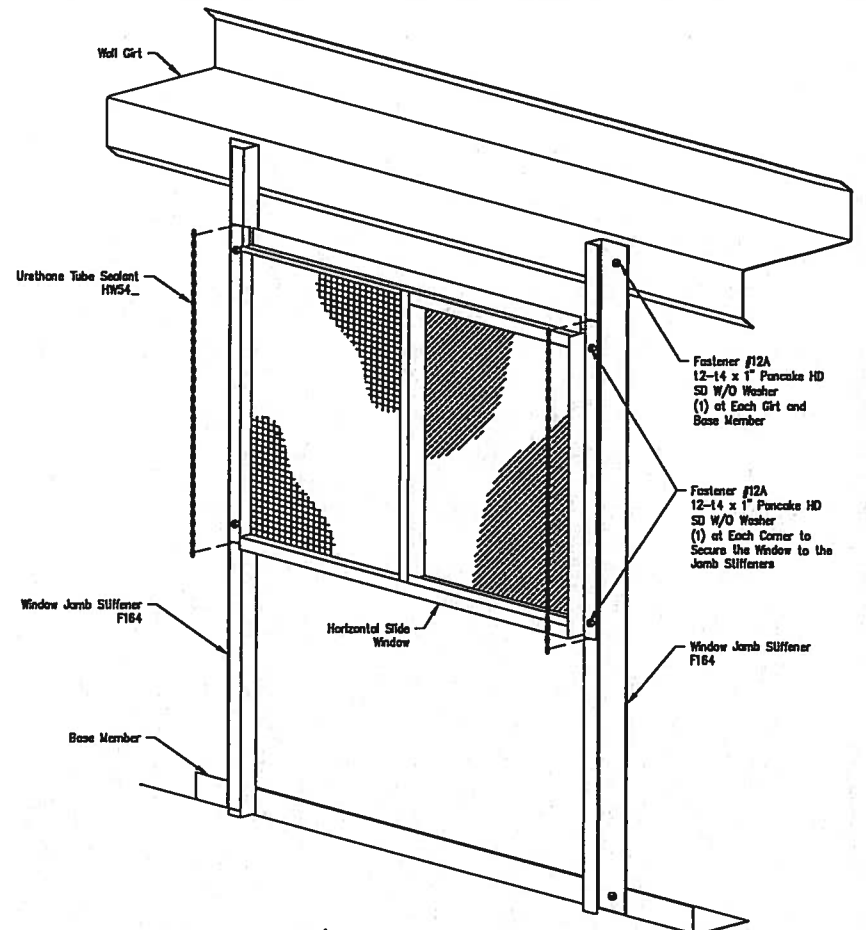


Horizontal Slide Window Single Hung Window

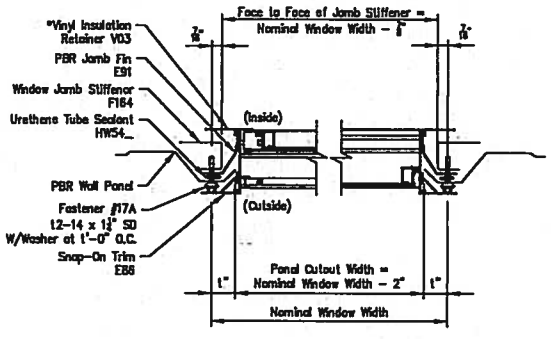


Fixed Window (FW2056, FW2060, FW3040, FW4040) Fixed Window (FW1070, FW2070)

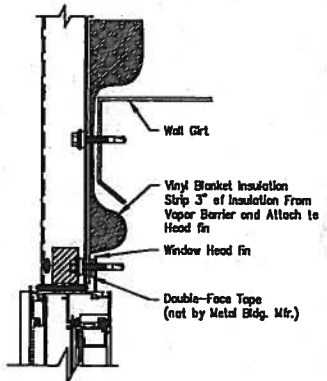
- PBR Jamb Fin E91 (2) per Window
- Snap-On Trim E86 (2) per Window
- *Vinyl Insulation Retainer V03
- *Vinyl Insulation Retainer V03 is optional and is not provided unless specified on the order documents



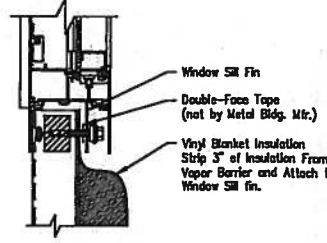
Jamb Stiffener/Window Isometric



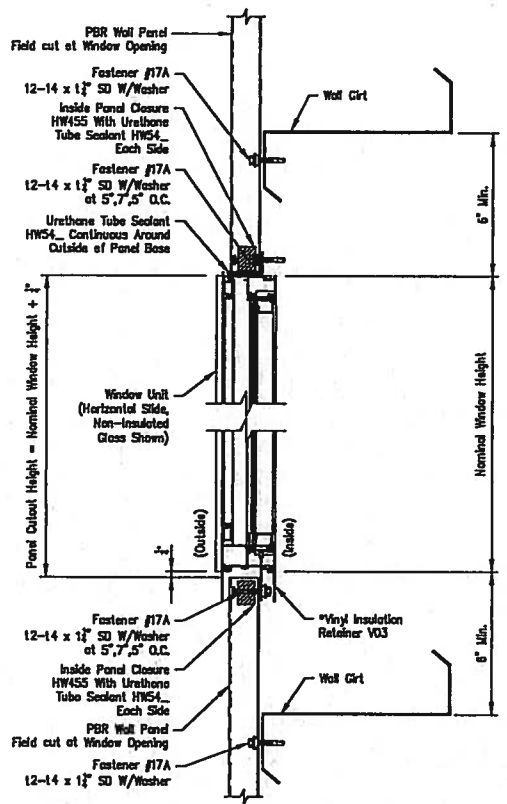
Section A - Jamb PBR Panel



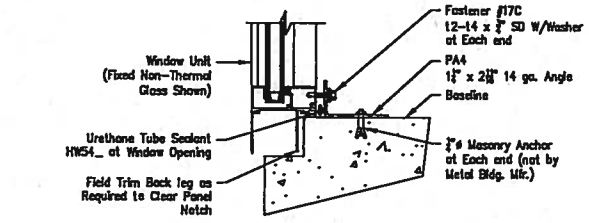
Insulation Section at Window Head



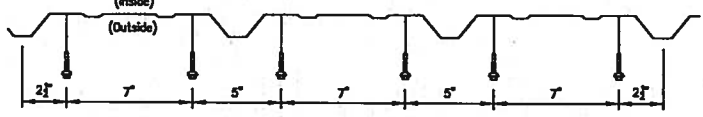
Insulation Section at Window Sill



Section B - Head/Sill

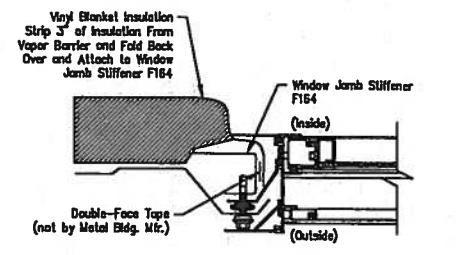


Section C - Sill at Baseline



Fastener Spacing at Head and Window Sill

Notes: Fastener location shown is for the window head, fasteners are installed from the inside at the window sill.



Insulation Section at Window Jamb

Installation Notes:

Window jamb fins are designed for installation at major panel ribs only. Typically windows are located between the 7'-6" girt and the baseline of the applicable wall.

Windows are typically packaged with two PBR Jamb Fins E91 that are not installed on the window unit. Prior to window installation install the jamb fins into the extruded grooves on each side of the window by sliding the fin in from the bottom of the window. The jamb fin should end flush with the top of the window head fin.

As the wall panels are installed, locate the jamb stiffeners at the wall panel major ribs at the desired window locations. Attach the jamb stiffeners to the girt and base members with Fastener #12A, see Jamb Stiffener/Window Isometric. Locate and mark window opening from the outside of the building, see Panel Cutout table for cutout width and height. Make sure the panel cutout height is correct and the panels are cut square. Push the window up until the window head contacts the upper wall panels. Make sure the window is square and level. Attach window unit with jamb fins installed to the jamb stiffeners with Fastener #12A at each corner. Apply Urethane Tube Sealant HWS4... to both jamb fins, see Jamb Stiffener/Window Isometric.

Apply Urethane Tube Sealant HWS4... to both sides of the inside panel closure and insert the closures between the wall panel and insulation at the window head and sill. See Section B.

Attach window head and sill to wall panels with #17A Fasteners at 5", 7", 5" O.C., see Fastener Spacing at Window Head and Sill. Note: Fasteners are installed from the inside of the building at the window sill. Attach wall panels to window jamb fins/jamb stiffeners with Fastener #17A at 1'-0" O.C., see Section A.

Apply Urethane Tube Sealant HWS4... along both sides between the window jambs and the wall panel to close any gaps. From the outside apply a continuous bead around the outside of the panel profile at the panel base, see Section B.

Install Snap-On Trim E86 at each jamb.

Vinyl Insulation Retainer Notes:
The optional Vinyl Insulation Retainer V03 can be installed before or after the window is installed. Install the retainer into the groove on the four interior sides, see Sections A and B. Hatch back the top/bottom of the retainer at least 1" on both ends of either the horizontal or vertical retainers, this will allow the retainers to overlap at the four corners.

Panel Cutout			Panel Cutout		
Horizontal Slide			Fixed		
Window ID	Output Width	Output Height	Window ID	Output Width	Output Height
HS2018	1'-10"	1'-6"	FW1070	0'-10"	7'-0" (*)
HS3020	2'-10"	2'-0"	FW2056	1'-10"	5'-6"
HS3030	2'-10"	3'-0"	FW2060	1'-10"	6'-0"
HS3040	2'-10"	4'-0"	FW2070	1'-10"	7'-0" (*)
HS4030	3'-10"	3'-0"	FW3040	2'-10"	4'-0"
HS4040	3'-10"	4'-0"	FW4040	3'-10"	4'-0"
HS5030	4'-10"	3'-0"			
HS6020	5'-10"	2'-0"			
HS6030	5'-10"	3'-0"			
HS6040	5'-10"	4'-0"			
Single Hung					
HS3030	2'-10"	3'-0"			
HS3040	2'-10"	4'-0"			
HS3050	2'-10"	5'-0"			

(*) Dimension is from baseline

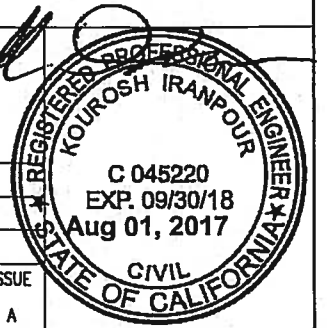
Details shown are for horizontal slide windows. Single hung and fixed window installation details are similar.

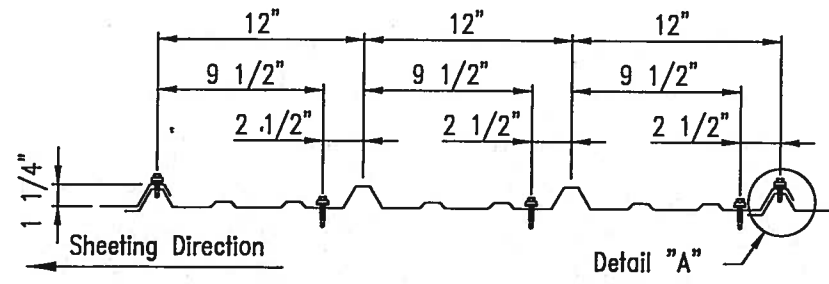
ISSUE	DATE	DESCRIPTION	BY	CK'D	DSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS
5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

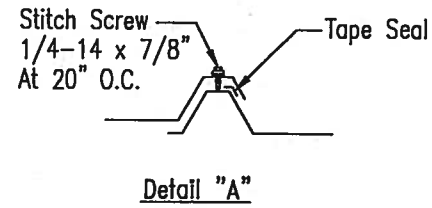
PROJECT: FILEDBROOK HIGH SCHOOL
CUSTOMER: ATLAS OWNER: ATLAS
LOCATION: MCKINLEYVILLE, CA 95519

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
	7/28/17	N.T.S.	1	A	15-B-94950	DET10	A

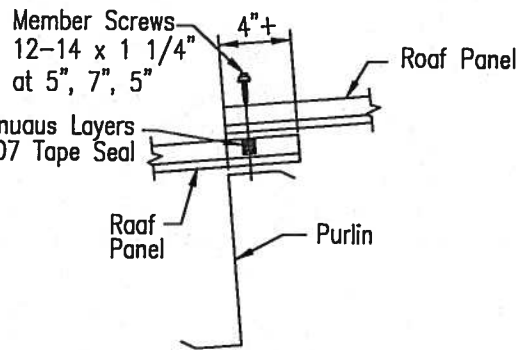




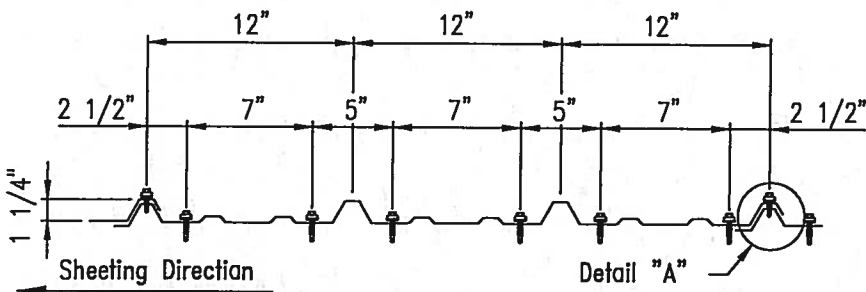
All Roof Members Except As Noted Below



Detail "A"



Section Thru Panel End Laps



At Eave Strut, Panel End Lap, and Peak Purlin

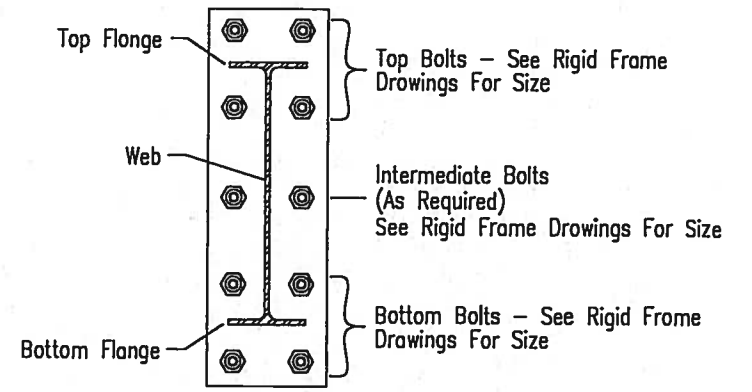
Standard Grade

Description	Fastener Number	Application
1/4"-14 x 7/8"	4A	Stitch & Trim Screw
12-14 x 1 1/4"	17A	Member Screw
12-14 x 1 1/2"	17B	Member Screw
12-14 x 2"	28	Member Screw

Long Life

Description	Fastener Number	Application
1/4"-14 x 7/8"	4	Stitch & Trim Screw
12-14 x 1 1/4"	3	Member Screw
12-14 x 1 1/2"	3A	Member Screw
12-14 x 2"	58	Member Screw

Note:
Standard details call for 1 1/4" fasteners as member screws by default.
Member screws may be 1 1/4", 1 1/2", or 2" depending on insulation, application, or customer request.



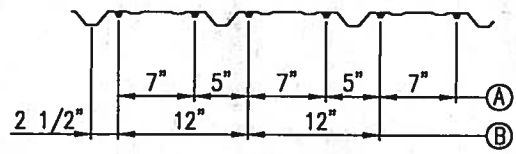
Fastener Location for "PBR" Roof Panel

TRIM_175

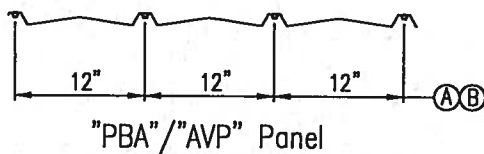
Self-Drilling Screw Application

SCRW1

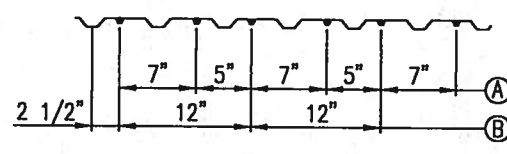
U3 BOLTS FOR RIGID FRAME RAFTER TO COLUMN CONNECTION



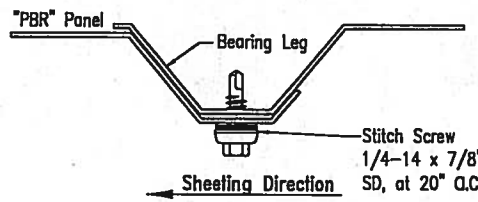
"PBR" Panel



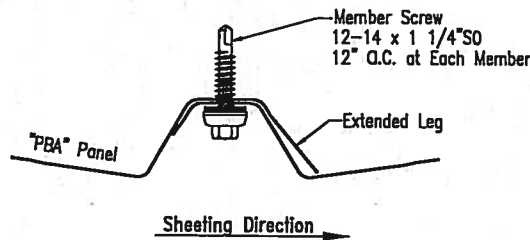
"PBA"/'AVP' Panel



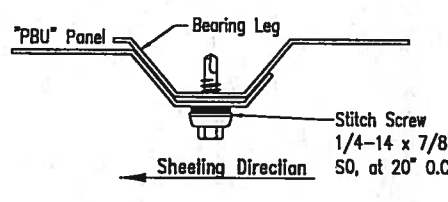
"PBU" Panel



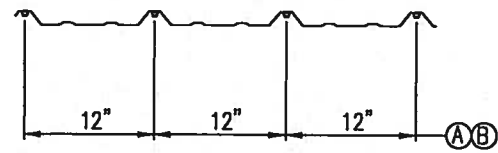
Stitch Screw
1/4-14 x 7/8"
SD, at 20" O.C.



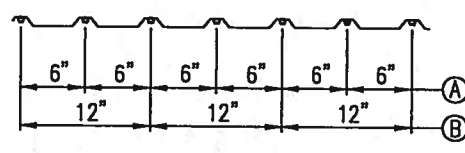
Member Screw
12-14 x 1 1/4" SO
12" O.C. at Each Member



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



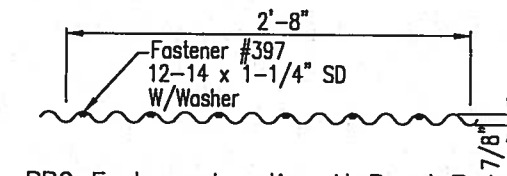
"RVPBR" Panel



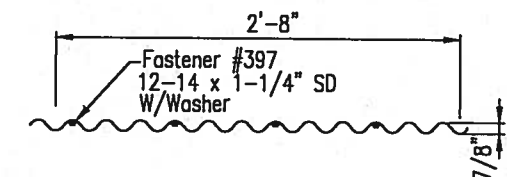
"RVPBU" Panel

- Ⓐ = At Base, Rake, Eave, and Mid Span End Laps
- Ⓑ = At Intermediate Member, and at Optional Liner Panel

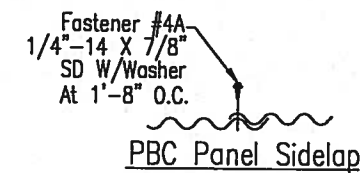
Fastener Location for Panel At Wall



PBC Fastener Location At Panel Ends



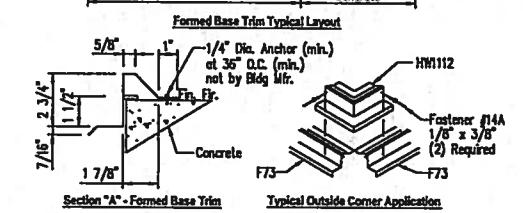
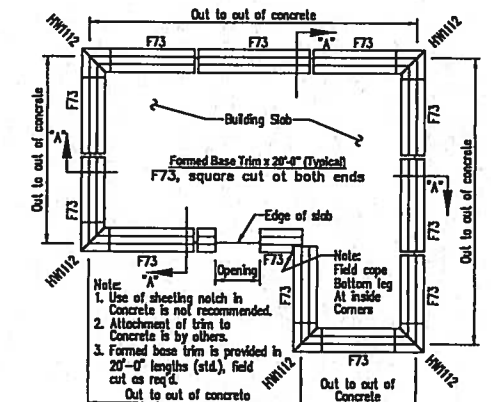
PBC Fastener Location At Intermediate Supports



PBC Panel Sidelap

Formed Base Trim Details

PW02010
Sep '10/00



Section "A" - Formed Base Trim

Typical Outside Corner Application

TRIM_174

ISSUE	DATE	DESCRIPTION	BY	CK'D	OSN
A	7/28/17	FOR CONSTRUCTION PERMIT	PNR	PNR	MTR

EMPIRE STEEL BUILDINGS

5230 CARROLL CANYON ROAD,
SAN DIEGO, CALIFORNIA 92121 US.

PROJECT: FILEDBROOK HIGH SCHOOL

CUSTOMER: ATLAS

OWNER: ATLAS

LOCATION: MCKINLEYVILLE, CA 95519

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