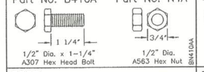
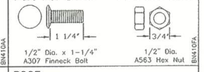
SECONDARY FRAMING BOLT/NUT ASSEMBLY
Assembly No. BN410AA
Use "Snug Tight" Installation Method
Part No. B410A Part No. N4A



1/2" Dia. x 1-1/4" A307 Hex Head Bolt — 1/2" Dia. A563 Hex Nut

BN410AA

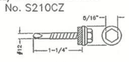
SECONDARY FRAMING BOLT/NUT ASSEMBLY
Assembly No. BN410FA
Use "Snug Tight" Installation Method
Part No. B410F Part No. N4A



1/2" Dia. x 1-1/4" A307 Finnack Bolt — 1/2" Dia. A563 Hex Nut

BN410FA

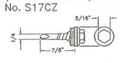
ROOF
PANEL/TRIM TO FRAMING
Part No. S210CZ



#12 x 1-1/4" SELF-DRILLER WITH WASHER

S210CZ

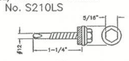
ROOF
PANEL/TRIM TO PANEL/TRIM
Part No. S17CZ



1/4 x 7/8" SELF-DRILLER WITH WASHER

S17CZ

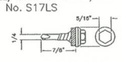
WALL
PANEL/TRIM TO FRAMING
Part No. S210LS



#12 x 1-1/4" SELF-DRILLER WITH WASHER

S210FC

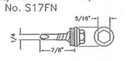
WALL
PANEL/TRIM TO PANEL/TRIM
Part No. S17LS



1/4 x 7/8" SELF-DRILLER WITH WASHER

S17FC

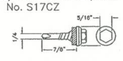
TRIM
PANEL/TRIM TO PANEL/TRIM
Part No. S17FN



1/4 x 7/8" SELF-DRILLER WITH WASHER

S17FC

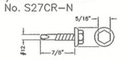
TRIM
PANEL/TRIM TO PANEL/TRIM
Part No. S17CZ



1/4 x 7/8" SELF-DRILLER WITH WASHER

S17FC

PANEL ANGLE
PANEL/TRIM TO FRAMING
Part No. S27CR-N



#12 x 7/8" SELF-DRILLER WITHOUT WASHER

S27CR-N

BUILDING SYSTEM DESIGN CRITERIA
Loads Applied in Accordance with the 2004 FLORIDA BUILDING CODE

ORDER NO.	226650	DATE 11/07/05
REVISION	0	
BUILDING(S)		A
DESIGN LOCALE		COLUMBIA CO., FL
LIVE LOAD		
FRAME		12 PSF
ROOF		20 PSF
WIND VELOCITY		110 M MPH (3 SECOND GUST)
	IMPORTANCE FACTOR	1.0
	EXPOSURE	B
	ENCLOSURE	ENCLOSED
	INTERNAL PRESSURE COEFFICIENT	+/- 0.18
	COLLATERAL COMPONENT and CLADDING PRESSURE	23.6 PSF
DEAD LOAD		The weight of the metal building components as it occurs.
COLLATERAL LOADS		
UNIFORM LOAD		2.0 PSF
CONCENTRATED LOAD		See Drawings for Magnitude and

BUILDING INFORMATION

SYSTEM: 1 AREA: A

TYPE	GET	ROOF PANEL	"PBR"	26Ga. GP
SLOPE	2:12	FRONT WALL PANEL	"PBR"	26Ga. LS
WIDTH	70'-0"	BACK WALL PANEL	"PBR"	26Ga. LS
HEIGHT	19'-0"	LEFT WALL PANEL	"PBR"	26Ga. LS
LENGTH	100'-0"	RIGHT WALL PANEL	"PBR"	26Ga. LS

ROOF ACCESSORIES

EAVE GUTTER

AT FRONT AND BACK WALLS

WALL ACCESSORIES

WALK DOORS PBR,PBA or PBX Panel

6 3070WH Cylinder, Solid, 110 mph Rated

FRAMED OPENNING

4 ZFO type# 2, 6'- 4 x 7'- 2 - A @ Front
4 ZFO type# 4, 5' x 5' - B @ Front
2 ZFO type# 1 & 6 5' x 5' - C @ Front
2 ZFO type# 2, 10' x 10' - D @ Back
1 ZFO type# 6, 4' x 4' - E @ Left
1 ZFO type# 2, 16' x 14' - F @ Left
1 ZFO type# 6, 4' x 4' - G @ Right
1 ZFO type# 2, 14' x 14' - H @ Right

TABLE OF CONTENTS

General Notes

1. THE ERECTION DRAWING PACKAGE MAY CONSIST OF ERECTION DRAWINGS, DETAIL SHEETS, REFERENCE DRAWINGS, REFERENCE MANUALS, THIS TITLE SHEET DRAWING AND A BILL OF MATERIALS.
2. ALL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH EACH OTHER. IF CONFLICTS OCCUR THE ERECTION DRAWINGS SHALL TAKE PRECEDENCE.

Abbreviations

BLDG	=	BUILDING	BEF	=	BEARING END FRAME	GA	= GAUGE
SW	=	SIDEWALL	FEF	=	FULL END FRAME	UN	= UNLESS NOTED
EW	=	ENDWALL	BUE	=	BUILT-UP END FRAME	psf	= POUNDS PER SQUARE FOOT
FW	=	FRONT WALL	SL	=	STEEL LINE	mph	= MILES PER HOUR
BW	=	BACK WALL	BL	=	BASE LINE	kip	= 1000 POUNDS
LW	=	LEFT WALL	RL	=	RIDGE LINE		
RW	=	RIGHT WALL					
BES	=	BOTTOM OF EAVESTRUT (LOW SIDE)					
BEH	=	BOTTOM OF EAVESTRUT (HIGH SIDE)					

Symbols

GRID LINE

REFERENCES TO A DETAIL FOUND ON THE "DETAIL SHEETS"

PARTITION COLUMN LINE OR FLOOR COLUMN LINE

Design Certification

These drawings and the metal building they represent are the product of MESCO Building Solutions, (P.O. Box 93629, Southlake, Texas 76092, 817-488-8511). The engineer whose seal appears hereon is employed by MESCO Building Solutions and is not the Engineer of Record. The structural design of the building systems meets the specifications including the design criteria, design loads ansd serviceability requirements incorporated by the buyer into the order documents. MESCO's engineer is not responsible for observation or inspection of the erection of the building system and is not acting as the prime design professional for the construction project utilizing this building system. The information required to integrate the building system into the construction project is given in the Project Design Data.

Customer Service "Notice"

In the event of fabrication or design problems, shortages of material, damaged or wrong material customer services is available to assist you. Should one of these problems occur contact our customer service department at the numbers listed below. When contacting us please refer to the "Job Number" shown in the lower right hand corner of this sheet.

Customer Service: Telephone 1-800-556-3726
or Fax 817-329-2346

Note: In order to receive reimbursement of costs, customer service must approve cost of materials or field work prior to procurement of materials or to work being performed. See the truck copy of the erection drawing package for further information and for sample forms of authorization to perform field work.

Special Notice for Buildings with GRAY PRIMER:

When Gray Primer is specified the customer is reminded that Gray Primer is intended as a PRIMER and that it should have minimal exposure to atmospheric conditions. The customer should also be reminded of the potential aesthetic issues that are specifically associated with Gray Primers such as: 1) Gray Primer will show rust spots/streaks due to imperfections in the application process and the properties associated with Gray Primers and 2) Abrasions caused by handling, loading, shipping, unloading, and during the erection process are unavoidable. As a result any rusting or abrasions on members with Gray Primer are NOT subject to customer rejection or claim for touch up to Mesco Building Solutions

DRAWING ISSUE HISTORY

NO.	DATE	DESCRIPTION	DET	CKR	ENG
0	11/07/05	ISSUED FOR CONSTRUCTION	MJP	CBS	JAA

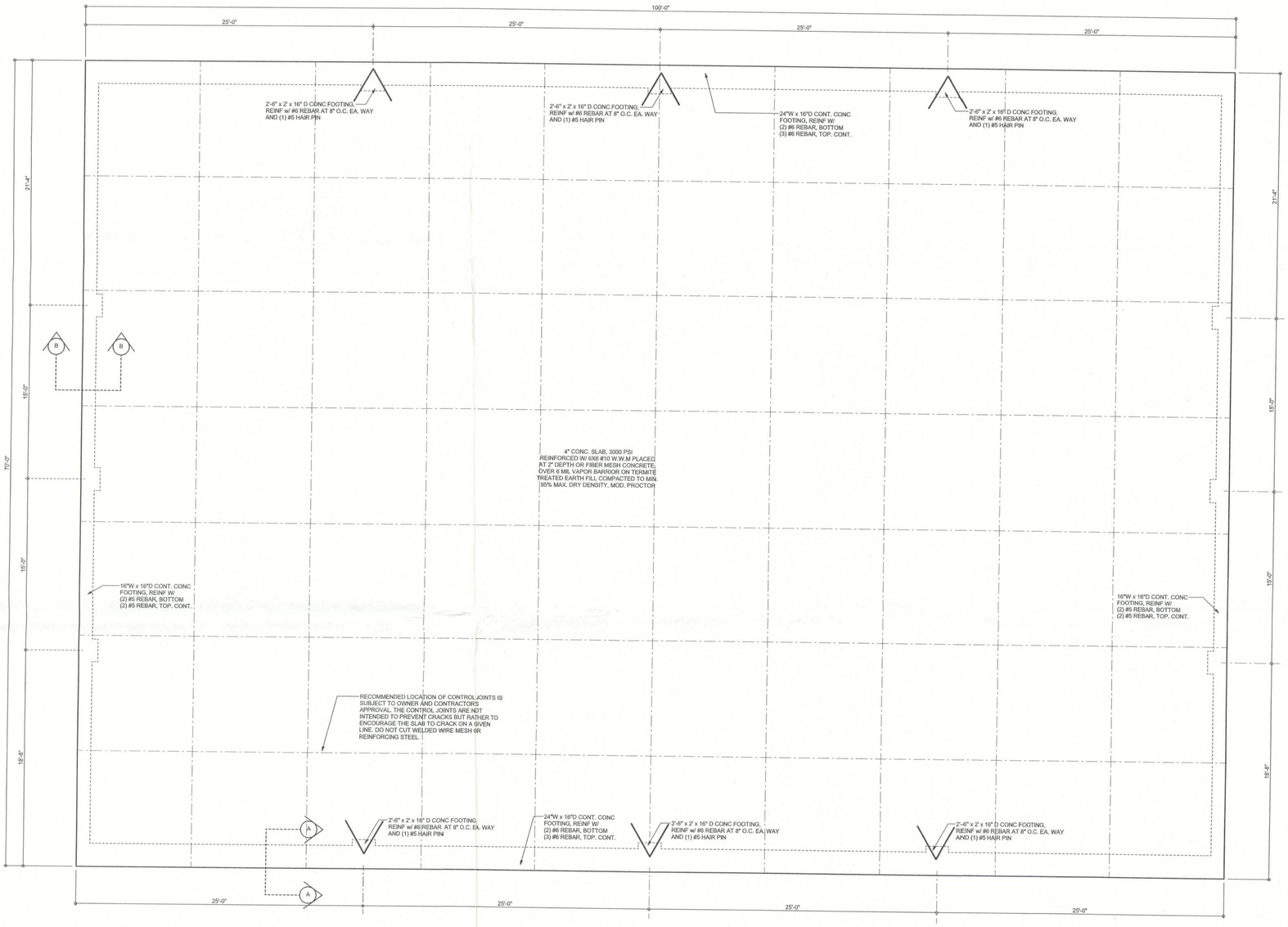
MESCO
Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326
MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction
Owner: WAYNE HUDSON
Project Name: HUDSON III
Job Site Location: LAKE CITY FL.

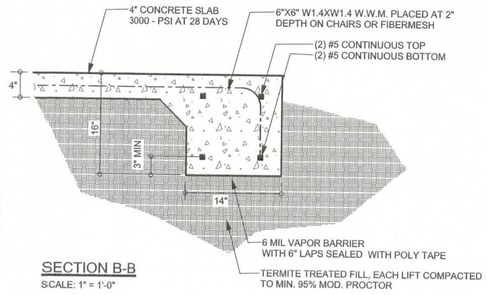
Job Number: 22-6650
Drawing Issue: 0
Sheet Number: T1 of 1

DRAWING STATUS:
"FOR CONSTRUCTION "
These drawings are to be considered as Final Construction Drawings and are to be used for the construction and installation of the project.

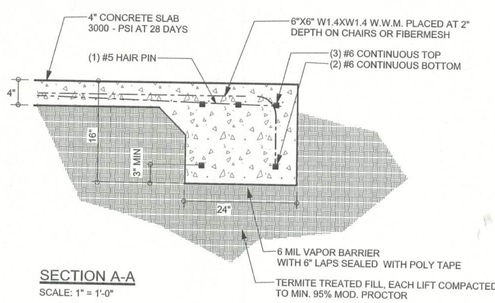
The engineer whose seal appears hereon is employed by the Building Manufacturer and is NOT the Engineer of Record for the overall Project.



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



SECTION B-B
SCALE: 1" = 1'-0"



SECTION A-A
SCALE: 1" = 1'-0"

REVISIONS
2395

SOFTPLAN ARCHITECTURAL DESIGN

SITE PREPARATION: SITE ANALYSIS AND PREPARATION ARE NOT PART OF THIS PLAN AND ARE RESPONSIBILITY OF THE OWNER. SITE INSPECTION BY BUILDER OR BUILDING OFFICIAL SHALL DETERMINE IF THERE IS ANY EVIDENCE OF UNSUITABLE BEARING MATERIALS. IF THERE IS ANY QUESTION, CALL A GEOTECHNICAL ENGINEER TO ASSURE THAT EXPANDING CLAYS AND OTHER PROBLEMATIC SOIL CONDITIONS DO NOT EXIST OR TO ALLOW MITIGATION SHOULD THEY EXIST. ALL FILL UNDER STRUCTURAL ELEMENTS SHALL BE CLEAN SAND/SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED TO 95% OF MAXIMUM DRY BEARING CAPACITY, IN LIFTS OF NOT MORE THAN 6 INCHES. IT IS THE OWNER'S/BUILDER'S RESPONSIBILITY TO VERIFY EXISTING SOIL AND CLEAN FILL ARE COMPACTED STABLE SOIL CONDITIONS WITH 1000 PSF BEARING CAPACITY OR TO REQUEST FOUNDATION DESIGN BASED ON ACTUAL SITE CONDITIONS.

FOUNDATION: THE OWNER HAS NOT YET PROVIDED A GEOTECHNICAL REPORT TO THE ENGINEER. ASSUMED SAFE BEARING CAPACITY OF 2000 PSF SHALL BE APPROVED BY THE OWNER. FOOTINGS AND SLAB ARE TO BEAR ON FIRM UNDISTURBED EARTH OR CLEAN SAND/SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED IN LIFTS OF NOT MORE THAN 6 INCHES. WHERE UNACCEPTABLE MATERIAL OCCURS, EXCAVATE AND REPLACE WITH ENGINEERED FILL. FOUNDATION WORK MUST BE COORDINATED WITH UNDERGROUND UTILITIES. FOOTINGS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES. TO MINIMIZE WEATHERING, THE LAST 6 INCHES OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE IMMEDIATELY PRIOR TO PLACEMENT OF FOOTINGS.

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE F'c = 3000 PSI. WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICEABILITY IS DEGRADED, THE ATTAINMENT OF REQUIRED STRENGTH SHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUCH MODIFICATIONS AS MAY BE REQUIRED BY THE ENGINEER TO PROVIDE A SERVICEABLE MEMBER OR SURFACE. ALL CONCRETE SHALL BE VIBRATED. NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE MADE PRIOR TO INSPECTION BY AND APPROVAL OF THE ENGINEER, OWNER, OR HIS REPRESENTATIVE.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE ½ INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE CERTIFICATION OF COMPLIANCE WITH ASTM C 1116 WHEN REQUESTED BY THE BUILDING OFFICIAL.

WELDED WIRE REINFORCED SLAB: 6"x6" W1.4xW1.4, FB = 85KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185; LOCATED IN THE MIDDLE OF THE SLAB: SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACING NOT TO EXCEED 3'.

REBAR: ASTM A 615, GRADE 60, REINFORCED BARS, FY = 60 KSI. ALL LAP SPLICES 40" DB (30" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-95 UNLESS NOTED OTHERWISE. ALL TENSION DEVELOPMENT LENGTHS SHALL BE 30 INCHES.

CONCRETE CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302.JOINTS SHALL BE CUT WITH IN 12 HOURS OF SLAB PLACEMENT. LENGTH/WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT \. DO NOT CUT W.W.M. OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

BASED ON COLUMN REACTIONS BY MCSCO
SEALED ENGINEERING FOR PROJECT 22-6650, DATED 11/8/05

NOTE: THIS FOUNDATION DESIGN MEETS ALL REQUIREMENTS FOR WIND LOAD'S PER FBC2004, SECTION 1609, 110 MPH BASIC WIND SPEED, EXPOSURE B, 1.0 USE FACTOR; COLUMN PAD LOCATIONS ARE TYPICAL, EXACT ANCHOR BOLT LOCATIONS AND SIZES ARE PER METAL BUILDING SEALED ENGINEERING ANCHOR BOLT PLAN.

- ANCHOR BOLTS AND REINFORCEMENT - 16" A-307 ANCHOR BOLTS, BOLT DIAMETER, AND LOCATION PER METAL BUILDING SEALED ENGINEERING DESIGN DRAWINGS. TIE ANCHOR BOLTS TO BOTTOM REINFORCING STEEL. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI DETAILING MANUAL, SP-66, AND ACI318. REINFORCING SHALL NOT BE HEATED OR WELDED. REINFORCING SHALL BE APPROVED BY ENGINEER OR HIS REPRESENTATIVE BEFORE CONCRETE IS PLACED. PROVIDE 3" COVER FOR EXPOSED FOOTING SURFACES, 2" COVER FOR FORMED EXPOSED SURFACES, 3/4" COVER FOR NOT EXPOSED SURFACES. LAP SPLICES SHALL BE 48 BAR DIAMETERS. TOP STEEL LAPS SHALL OCCUR AT MID SPAN; BOTTOM LAPS AT COLUMNS.
- CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE F'c = 3000 PSI. WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICABILITY IS DEGRADED, THE ATTAINMENT OF REQUIRED STRENGTH SHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUCH MODIFICATIONS AS MAY BE REQUIRED BY THE ENGINEER TO PROVIDE A SERVICEABLE MEMBER OR SURFACE. ALL CONCRETE SHALL BE VIBRATED. NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE MADE PRIOR TO INSPECTION BY AND APPROVAL OF THE ENGINEER, OWNER OR HIS REPRESENTATIVE.

- CONTROL JOINTS - SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5. DO NOT CUT WWM OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

- FOUNDATION - THE OWNER HAS NOT YET PROVIDED A GEOTECHNICAL REPORT TO THE ENGINEER. ASSUMED SAFE BEARING CAPACITY OF 2000 PSF SHALL BE CONFIRMED IN THE FIELD BY A REGISTERED GEOTECHNICAL ENGINEER OR SHALL BE APPROVED BY THE OWNER. FOOTINGS AND SLABS ARE TO BEAR ON FIRM UNDISTURBED EARTH OR APPROVED CONTROLLED FILL. WHERE UNACCEPTABLE MATERIAL OCCURS, EXCAVATE AND REPLACE WITH ENGINEERED FILL.

- UNLESS OTHERWISE SPECIFIED ALL MATERIALS AND CONSTRUCTION ARE TO MEET LOCAL BUILDING CODES.

WINDLOAD ENGINEER: Mar
PE No:53915, POB 868, Lake
32056, 386-754-5419

DIMENSIONS:
Stated dimensions supercede
dimensions. Refer all questio
Mark Disosway, P.E. for resol
Do not proceed without clarifi

CERTIFICATION: I hereby ce
examined this plan, and that t
portions of the plan, relating to
comply with section 1609, for
2004, to the best of my knowle

LIMITATION: This design is
building, at specified location

MARK DISOSW
P.E. No. 53915
STATE OF FLORIDA
SEAL

Simque
Metal Build
Foundatio

Wayne Hud

ADDRESS:

Mark Disosway
P.O. Box 8
Lake City, Florida
Phone: (386) 754
Fax: (386) 754
Email: mdpe@bell

PRINTED DATE
November 24, 2

DRAWN BY: CH

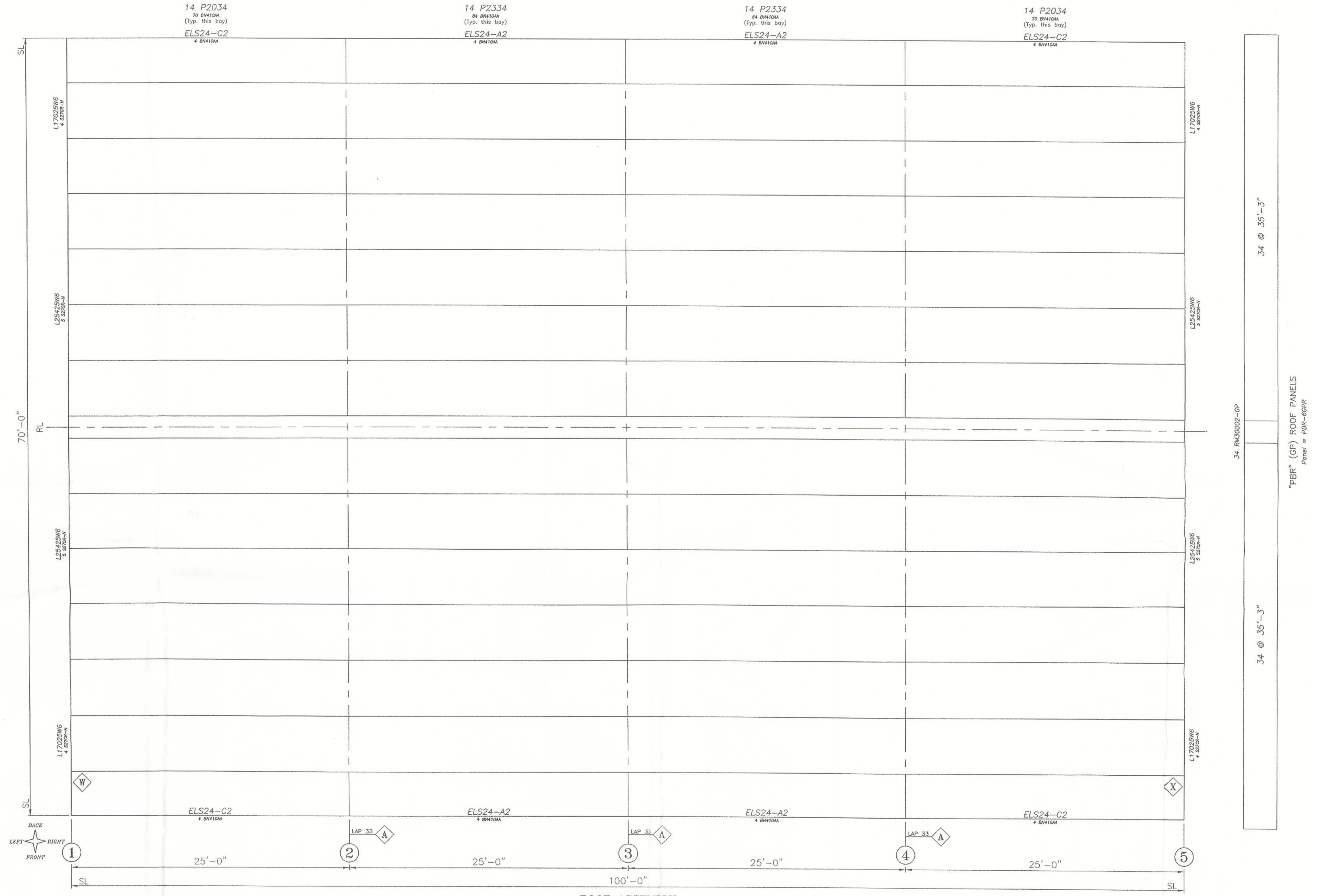
FINALS DATE:
01/ May / 05

JOB NUMB
511174

DRAWING NUMB
F1

OF 1 SHEET

NOTE:
ROOF FASTENERS AND SEALANT SHALL BE INSTALLED IN ACCORDANCE WITH REFERENCE DRAWING RR0101 FOR STANDARD ROOF CONSTRUCTION.



ROOF ASSEMBLY

Base Edge Parts
14 BE1

Roof Panel Fasteners
2020 S210CZ
1056 S17CZ
59 SL-R3

DRAWING ISSUE HISTORY					
NO.	DATE	DESCRIPTION	DET	CKR	ENG
0	11/07/05	ISSUED FOR CONSTRUCTION	MJP	CBS	

Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction

Owner: WAYNE HUDSON

Project Name: HUDSON III

Job Site Location: LAKE CITY FL.

Job Number: 22-6650

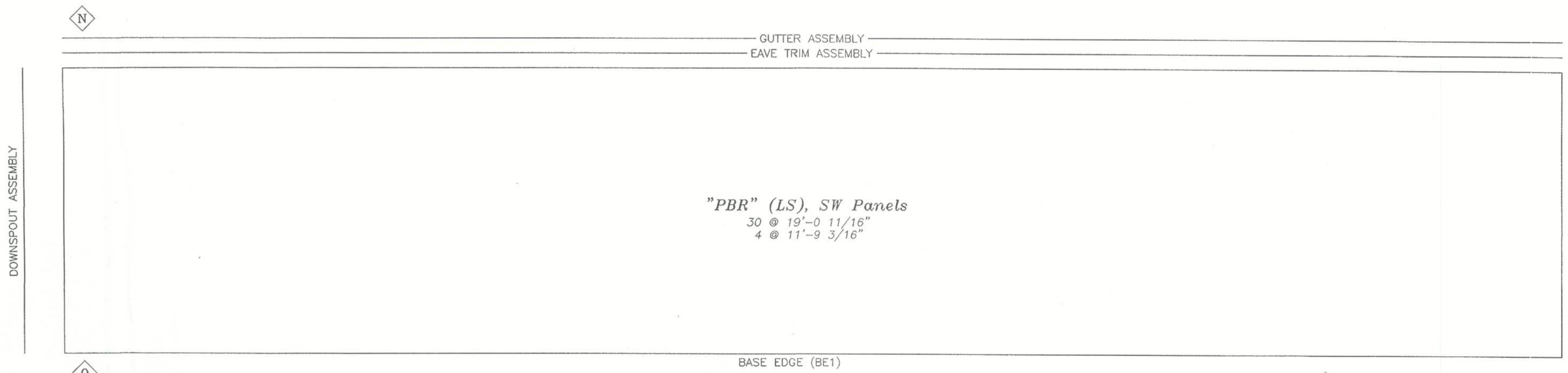
Drawing Issue: 0

Sheet Number: E1 of 6

DRAWING STATUS:
"FOR CONSTRUCTION"
These drawings are to be considered as Final Construction Drawings and are to be used for the construction and installation of the project.

The engineer whose seal appears hereon is Employed by the Building Manufacturer and is NOT the Engineer of Record for the overall Project.

Gap: 11-07-05 15:59:18



FRONT SIDEWALL PANEL LAYOUT

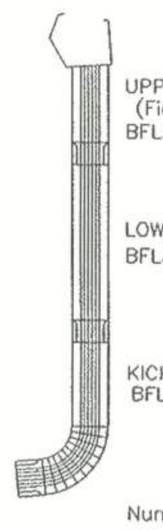
Panel = PBR-6LSS

EAVE TRIM ASSEMBLY	GUTTER ASSEMBLY	SIDEWALL PANEL FASTENERS
5 TE102FN	4 RG20FN	600 S210LS
12 PR13FN	2 RG20FN-14400	429 S17LS
100 S17FN	1 RE20LFN	
34 CLO-RI	1 RE20RFN	
2592 ISL-R3	70 PR13FN	
34 CLO-RO	145 ISL-TWH	
	35 RS4GP	
	205 S17CZ	

22-6650

STRAIGHT DOWNSPOUT ASSEMBLY

Bldg: A Wall: Front Height: 19'-0"



Parts List
5 BFL320-LS-17400
2 BFL320-LS-12600
5 BFL321-LS
10 HW2993LS
80 FS14LS
15 FS4LS
10 FS3LS

UPPER DOWNSPOUT (Field Cut From) BFL320-fc-12600

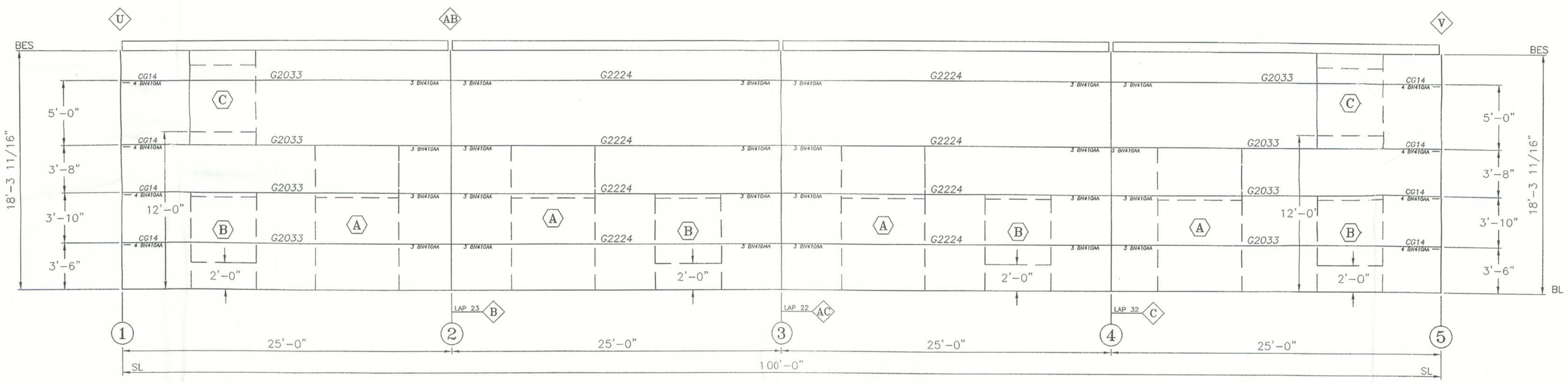
LOWER DOWNSPOUT BFL320-fc-17400

KICKOUT BFL321

Maximum Spacing: 35'-0"
Number of Assemblies: 5
Downspout Cut Length: 3'-2"

Refer to Reference Drawings RR0305 and RR0306

RFDS4_A



FRONT SIDEWALL ASSEMBLY

GHOLES=39.75,,85.75,129.75,189.75

(C) 2 ZFO type# 1 & 6. 5' x 5'
4 HZ60006
4 CV5
16 BN410FA
2 TH10LS-6275
2 TB20LS-6275
4 JZ83446
4 CV5
4 CV6-2
32 BN410FA
4 TS10LS-6100
72 PR13LS
24 ISL-TWH
8 CG14
32 BN410FA

(B) 4 ZFO type# 4. 5' x 5'
4 HZ60006
8 CV5
32 BN410FA
4 TH10LS-6275
4 TB20LS-6275
8 JZ83756
16 CV5
64 BN410FA
8 TS10LS-6100
145 PR13LS
48 ISL-TWH
8 CG14
32 BN410FA
4 CCH6700K6
40 S27CR-N

(A) 4 ZFO type# 2. 6'- 4 x 7'- 2
4 HZ76006
8 CV5
32 BN410FA
4 TH10LS-7875
8 JZ128006
8 CV5
8 CG14
64 BN410FA
8 TS10LS-8750
140 PR13LS
48 ISL-TWH
16 CG14
64 BN410FA

6 3070WH Cylinder, Solid
6 MWH1
6 MWH2
6 DLOK-CL
6 PDET3LS1
6 L4100X6
36 S27CR-N

DRAWING ISSUE HISTORY

NO.	DATE	DESCRIPTION	DET	CKR	ENG
0	11/07/05	ISSUED FOR CONSTRUCTION	MJP	CBS	

Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction

Owner: WAYNE HUDSON

Project Name: HUDSON III

Job Site Location: LAKE CITY FL.

Job Number: 22-6650

Drawing Issue: 0

Sheet Number: E2 of 6

DRAWING STATUS:
"FOR CONSTRUCTION "
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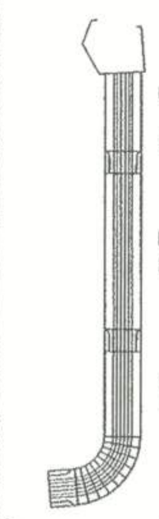
STANLEY DAVIDSON LICENSE No. 38305 STATE OF FLORIDA PROFESSIONAL ENGINEER

Gap: 11-07-05 15:59:18

22-6650

STRAIGHT DOWNSPOUT ASSEMBLY

Bldg: A   Wall: Back   Height: 19'-0"

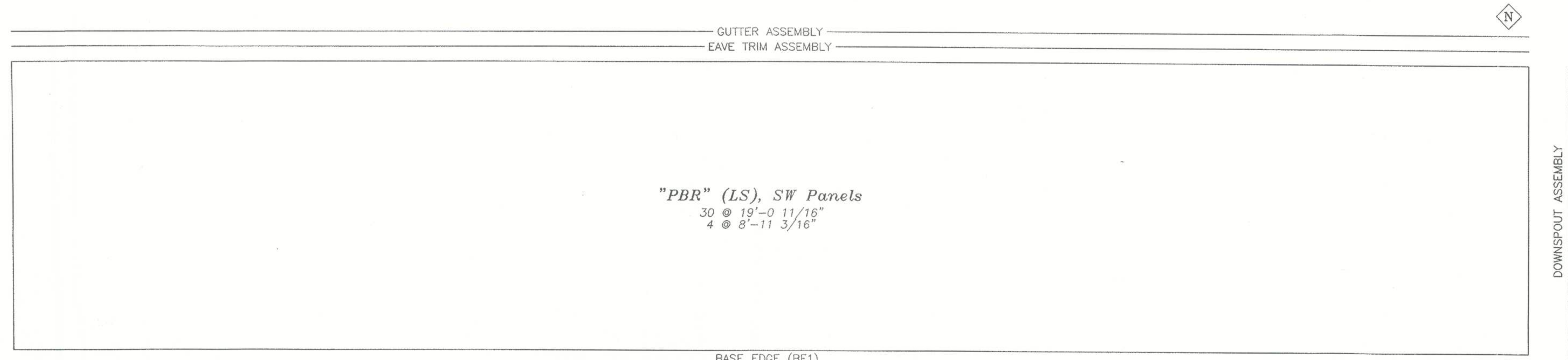


Parts List
5 BFL320-LS-17400
2 BFL320-LS-12600
5 BFL321-LS
10 HW2993LS
80 FS14LS
15 FS4LS
10 FS3LS

Maximum Spacing: 35'-0"
Number of Assemblies: 5
Downspout Cut Length: 3'-2"

Refer to Reference Drawings RR0305 and RR0306

RFDS4_A



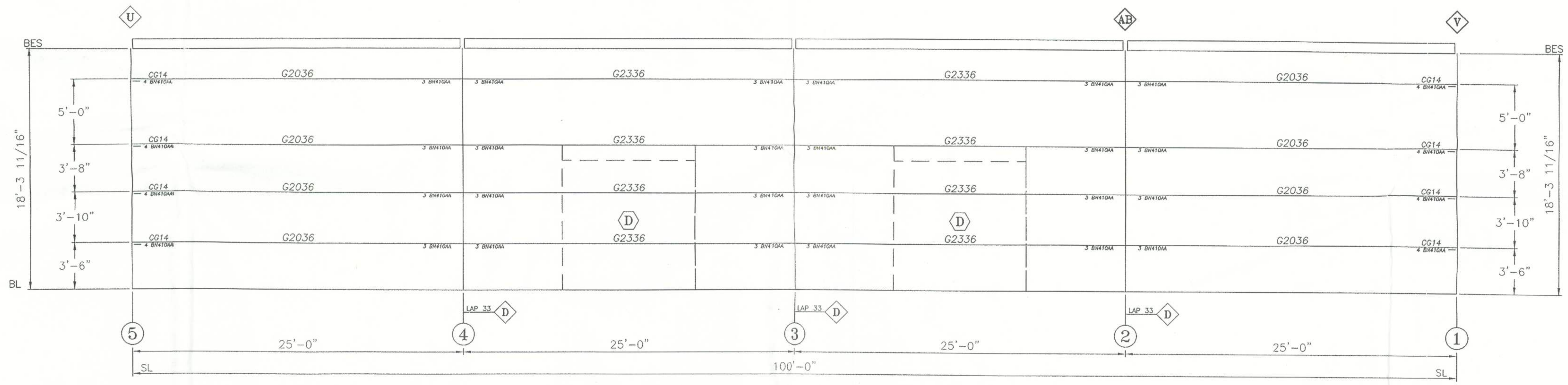
BACK SIDEWALL PANEL LAYOUT

Panel = PBR-6LSS

EAVE TRIM ASSEMBLY
5 TE102FN
12 PR13FN
100 S17FN
34 CLO-RI
2592 ISL-R3
34 CLO-RO

GUTTER ASSEMBLY
4 RG20FN
2 RG20FN-14400
1 RE20LFN
1 RE20RFN
70 PR13FN
145 ISL-TWH
35 RS4GP
205 S17CZ

SIDEWALL PANEL FASTENERS
600 S210LS
429 S17LS



BACK SIDEWALL ASSEMBLY

GHOLES=39.75,85.75,129.75,189.75

(D) 2 ZFO type# 2, 10' x 10'
2 HZ120006
4 CV5
16 BN410FA
2 TH10LS-12275
4 JZ128006
4 CV5
4 CG14
32 BN410FA
4 TS10LS-12150
93 PR13LS
24 ISL-TWH
8 CG14
32 BN410FA

DRAWING ISSUE HISTORY					
NO.	DATE	DESCRIPTION	DET	CKR	ENG
0	11/07/05	ISSUED FOR CONSTRUCTION	MJP	CBS	

Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511   Fax 817-329-2326

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction
Owner: WAYNE HUDSON
Project Name: HUDSON III
Job Site Location: LAKE CITY FL.
Job Number: 22-6650
Drawing Issue: 0
Sheet Number: E3 of 6

DRAWING STATUS:
"FOR CONSTRUCTION"
These drawings are to be considered as Final Construction Drawings and are to be used for the construction and installation of the project.

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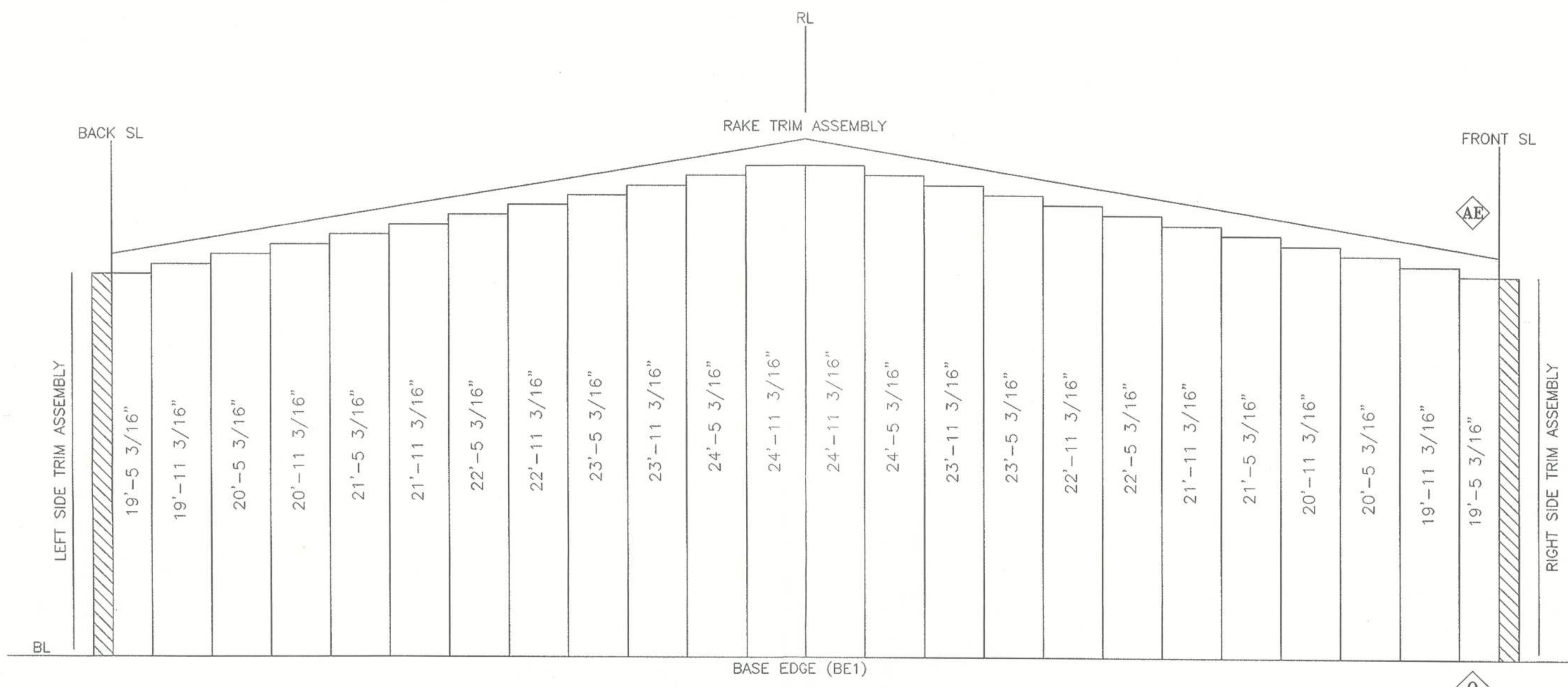
HARLEY DAVIDSON LICENSE No. 38305 STATE OF FLORIDA PROFESSIONAL ENGINEER NOV 08 2005

Gap: 11-07-05 15:59:18



LEFT ENDWALL PANEL LAYOUT

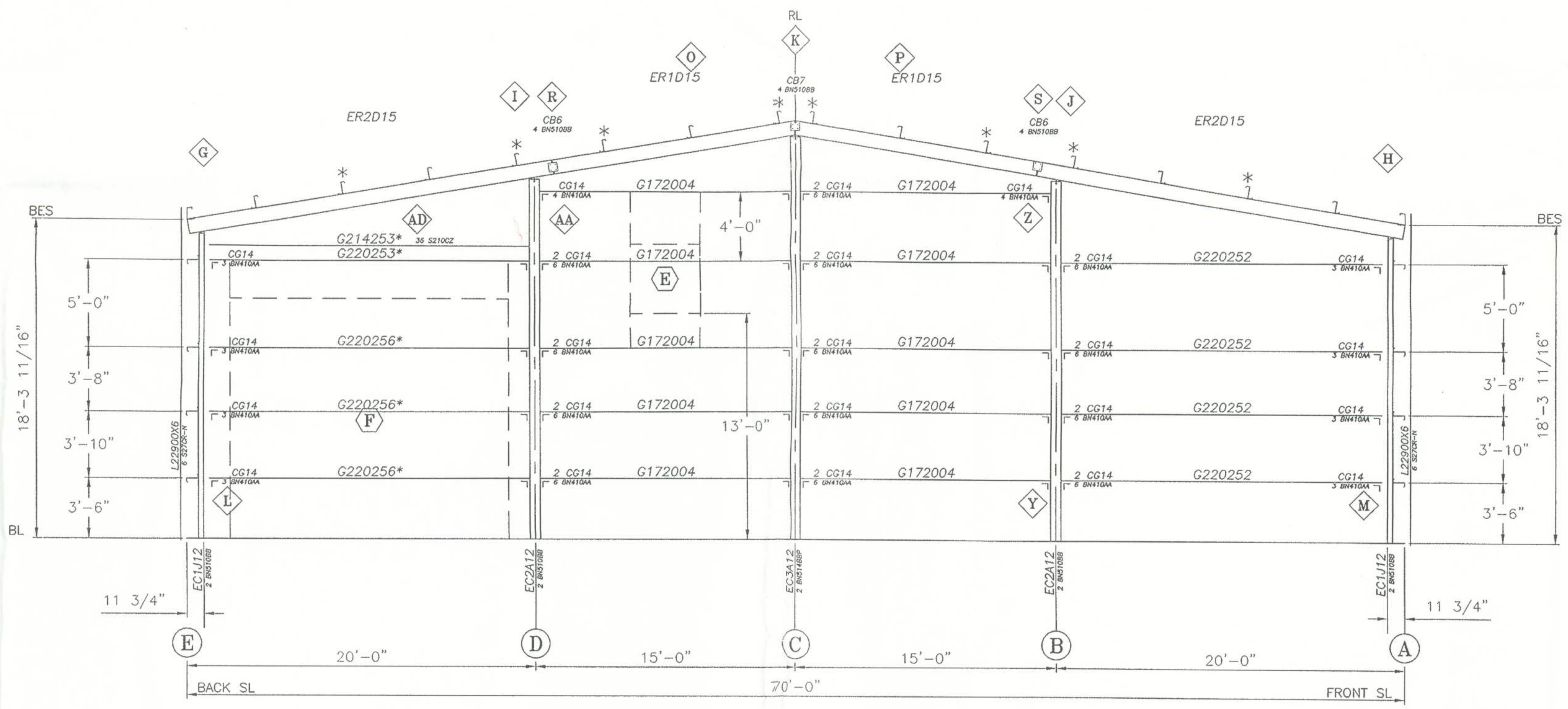
Width = 70'-0", Height = 19'-0"
Type = "PBR", Finish = LS
Panel = PBR-6LSE

RAKE TRIM ASSEMBLY
1 TR10LFN
2 TR10FN
1 TR10RFN
21 PR13FN
144 S17FN
864 ISL-R3
24 CLO-RO
1 TA102MSFN

LEFT SIDE TRIM ASSEMBLY
1 TC10LS-22900
39 PR13LS

RIGHT SIDE TRIM ASSEMBLY
1 TC10LS-22900
39 PR13LS

ENDWALL PANEL FASTENERS
450 S210LS
345 S17LS



F 1 ZFO type# 2, 16' x 14'
1 HZ19200J2
2 CV5
8 BN410FA
1 TH10LS-19475
2 JZ18800J4
2 CV5
2 CG14
16 BN410FA
2 TS10LS-16950
62 PR13LS
12 ISL-TWH
6 CG14
24 BN410FA

E 1 ZFO type# 6, 4' x 4'
2 HZ48006
4 CV5
16 BN410FA
1 TH10LS-5075
1 TB20LS-5075
2 JZ100506
2 CG14
8 BN410FA
2 TS10LS-4900
30 PR13LS
12 ISL-TWH

* 8 FLANGE BRACE ASSY
T
8 FA-2008
16 BN410AA

LEFT ENDWALL ASSEMBLY

GHOLES=39.75,85.75,129.75,189.75

PRIMARY FRAMING BOLT/NUT ASSEMBLY Assembly No. BN510BB	PRIMARY FRAMING BOLT/NUT ASSEMBLY Assembly No. BN514BBP
Use "Snug Tight" Installation Method	Use "Turn of Nut" Installation Method
Part No. B510B / Part No. N5B	Part B514B / Part WA5P / Part N5B
5/8" Dia. x 1 1/4" A325 Hex Head Bolt; 5/8" Dia. A563 Hex Nut	5/8" Dia. x 1 3/4" A325 Hex Head Bolt; 5/8" Dia. Flat Washer; 5/8" Dia. A325 Hex Nut

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Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction
Owner: WAYNE HUDSON
Project Name: HUDSON III
Job Site Location: LAKE CITY FL.
Job Number: 22-6650
Drawing Issue: 0
Sheet Number: E4 of 6

DRAWING STATUS:
"FOR CONSTRUCTION"
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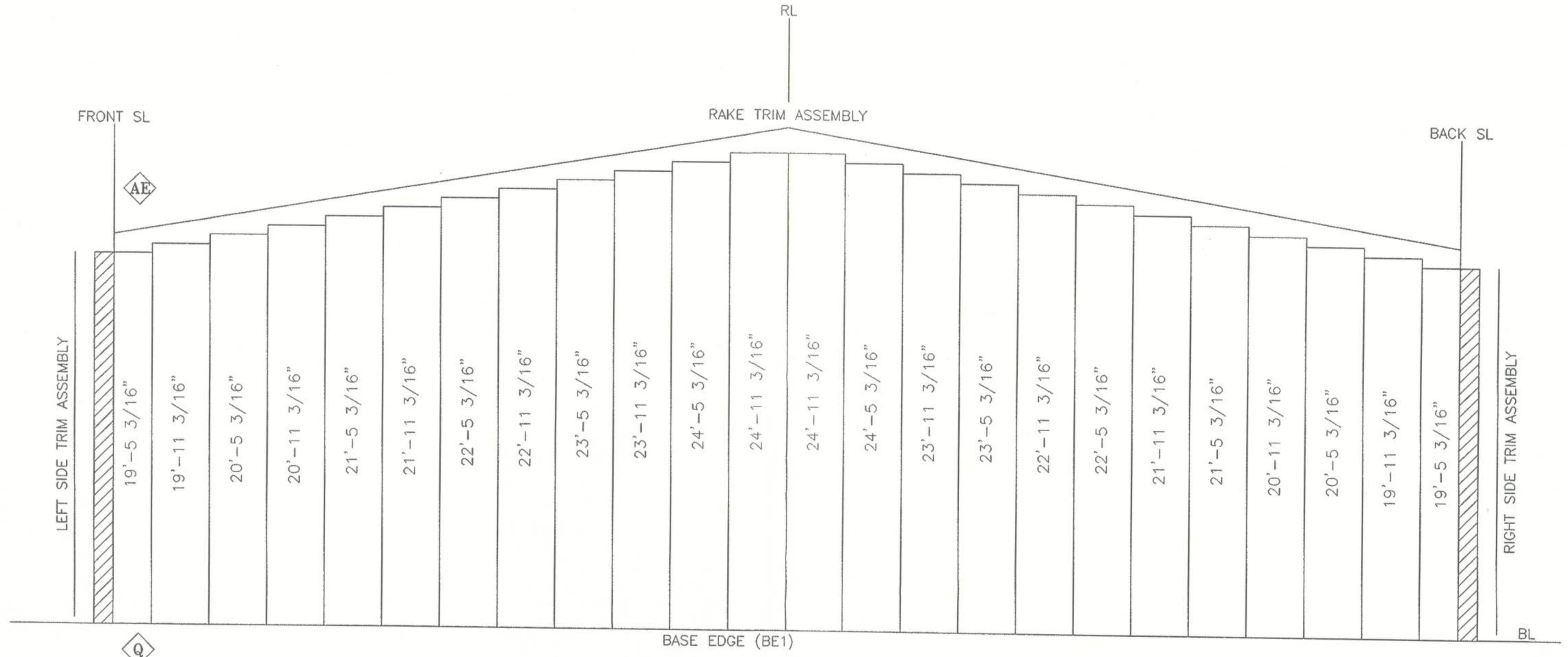
Gap: 11-07-05 15:59:18



RIGHT ENDWALL PANEL LAYOUT

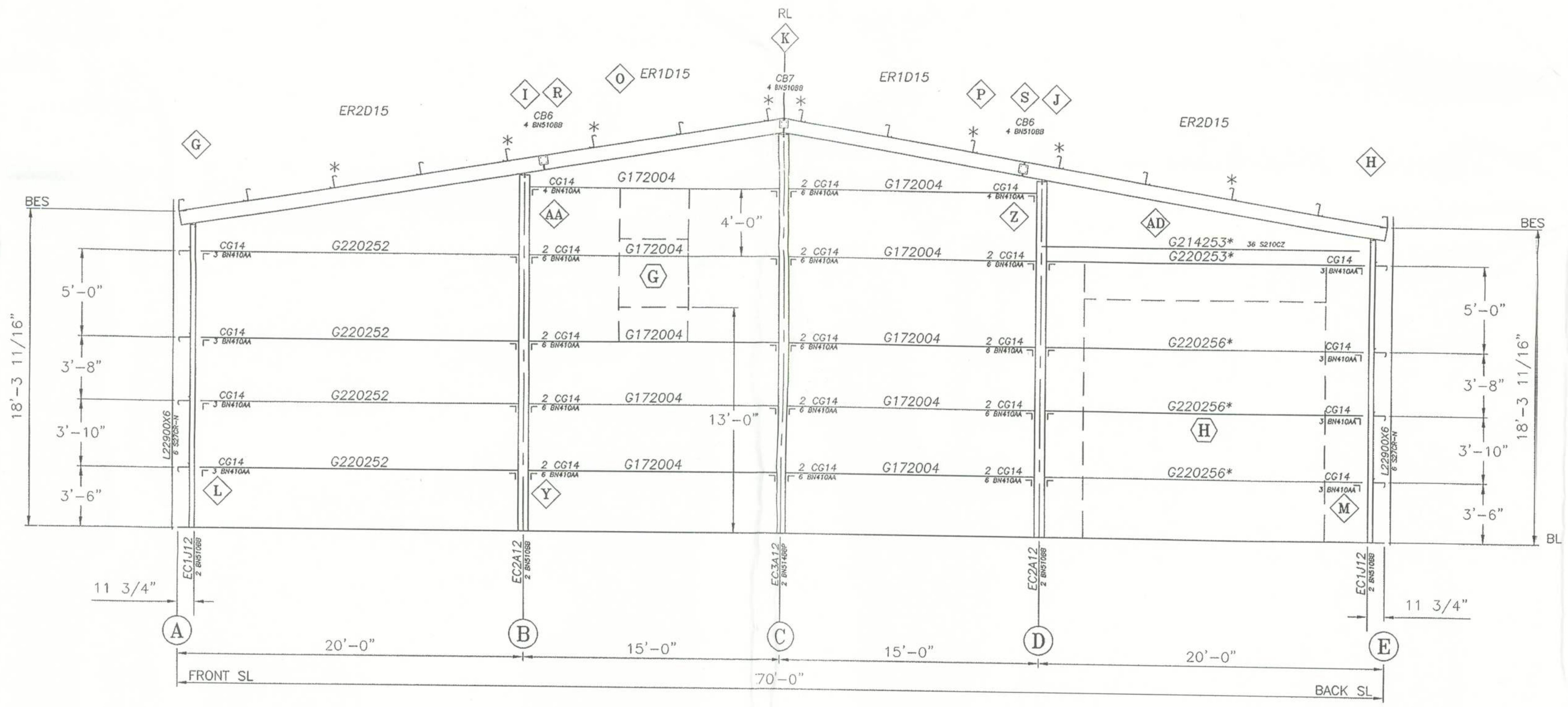
Width = 70'-0", Height = 19'-0"
Type = "PBR", Finish = LS
Panel = PBR-6LSE

RAKE TRIM ASSEMBLY
1 TR10LFN
2 TR10FN
1 TR10RFN
21 PR13FN
144 S17FN
864 ISL-R3
24 CLO-RO
1 TA102MSFN

LEFT SIDE TRIM ASSEMBLY
1 TC10LS-22900
39 PR13LS

RIGHT SIDE TRIM ASSEMBLY
1 TC10LS-22900
39 PR13LS

ENDWALL PANEL FASTENERS
450 S210LS
345 S17LS



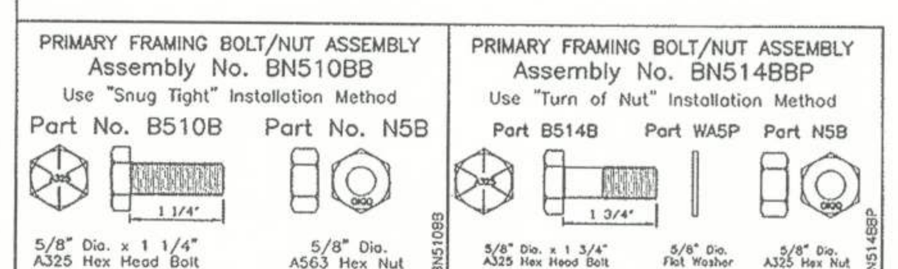
H 1 ZFO type# 2, 14' x 14'
1 HZ16800J2
2 CV5
8 BN410FA
1 TH10LS-17075
2 JZ18800J4
2 CV5
2 CG14
16 BN410FA
2 TS10LS-16950
62 PR13LS
12 ISL-TWH
6 CG14
24 BN410FA

G 1 ZFO type# 6, 4' x 4'
2 HZ48006
4 CV5
16 BN410FA
1 TH10LS-5075
1 TB20LS-5075
2 JZ100506
4 CG14
16 BN410FA
2 TS10LS-4900
30 PR13LS
12 ISL-TWH

* 8 FLANGE BRACE ASSY
8 FA-2008
T 16 BN410AA

RIGHT ENDWALL ASSEMBLY

GHOLES=39.75,,85.75,129.75,189.75



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Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326

METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction
Owner: WAYNE HUDSON
Project Name: HUDSON III
Job Site Location: LAKE CITY FL.
Job Number: 22-6650
Drawing Issue: 0
Sheet Number: E5 of 6

DRAWING STATUS:
"FOR CONSTRUCTION "
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HARLEY DAVIDSON LICENSE No. 38305 STATE OF FLORIDA PROFESSIONAL ENGINEER NOV 08 2005

[Fe42005 09-14-2005] MPetrill 051103.153323 1/1

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NOTE:
AT LOCATIONS SHOWN, INSTALL FLANGE BRACES THAT ARE LEFT OF RL AT NEAR SIDE ONLY AND FLANGE BRACES THAT ARE RIGHT OF RL AT FAR SIDE ONLY. (UNLESS NOTED)

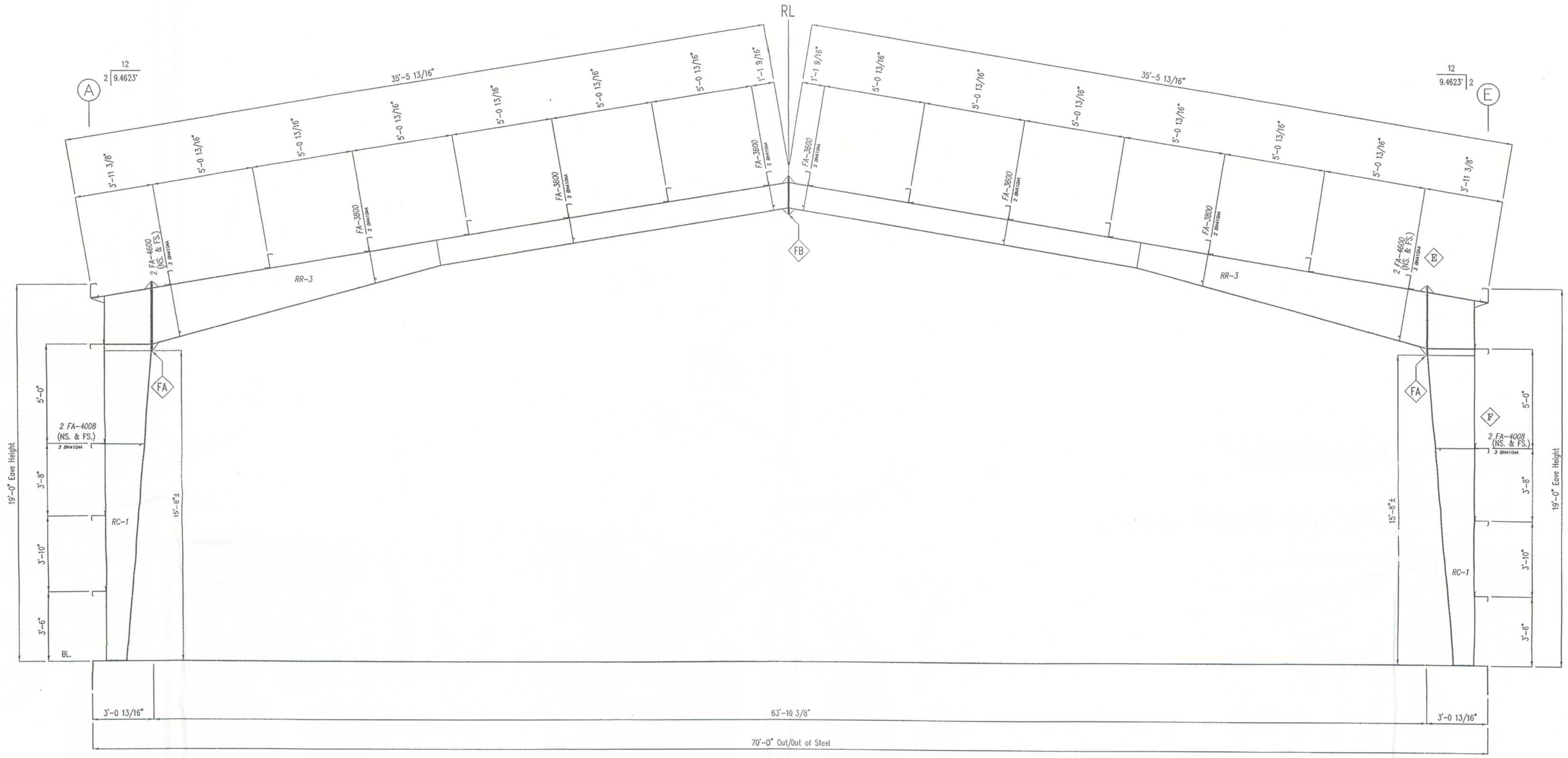
M E M B E R   D A T A

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

Mark	Outside Flange	Web	Inside Flange
Col (RC-1)	1/4 x 6	8 GA x 12 to 28	5/16 x 6
Raf (RR-3)	1/4 x 6	8 GA x 33 to 15	1/4 x 6
	1/4 x 6 x 17-10 1/16	1/8 x 15 x 17-10 1/16	1/4 x 6 x 17-10 1/16

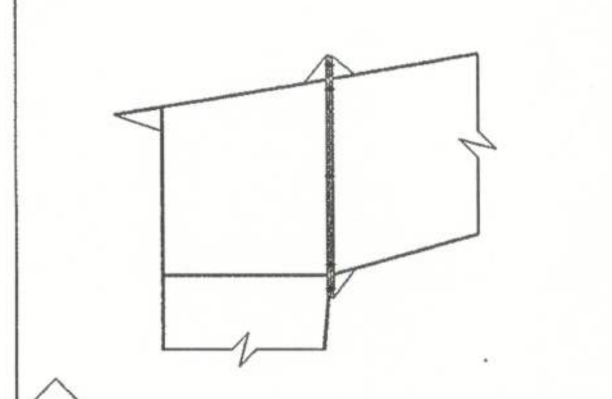
G I R T & P U R L I N D A T A

Front Girts Depth : 8	Back Girts Depth : 8
Front Purlins Depth: 8	Back Purlins Depth: 8



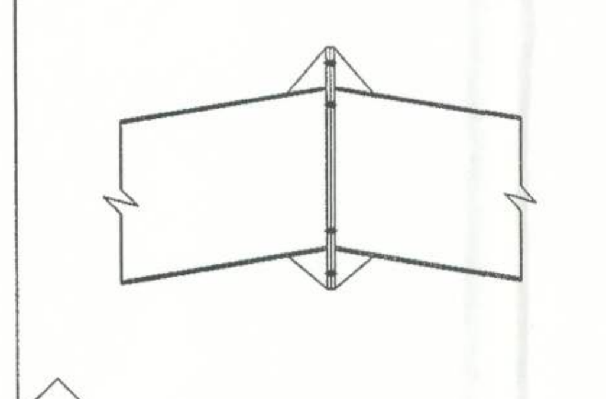
Frame Section: 2-4

AssyQty = 3



FA — 20 BN616BB

1/2 x 6 x 3-5 5/8 Plate With (10) 3/4 Dia. x 2 A325



FB — 8 BN514BB

3/8 x 6 x 1-11 3/16 Plate With (8) 5/8 Dia. x 1 3/4 A325

DRAWING ISSUE HISTORY

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Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction

Owner: WAYNE HUDSON

Project Name: HUDSON III

Job Site Location: LAKE CITY FL.

Job Number: 22-6650

Drawing Issue: 0

Sheet Number: E6 of 6

DRAWING STATUS:
"FOR CONSTRUCTION "

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HARLEY DAVIDSON LICENSE No. 38305 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 08 2005

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[Pd2005 09-14-2005] MPetrik 051103.153323 1/1

NO.	DATE	DESCRIPTION	DET	CKR	ENG
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DRAWING ISSUE HISTORY

Mesco Building Solutions
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Voice 817-488-8511 Fax 817-329-2326

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction
Owner: WAYNE HUDSON
Project Name: HUDSON III
Job Site Location: LAKE CITY FL.
Job Number: 22-6650
Drawing Issue: 0
Sheet Number: D1 of 1

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RECEIPT AND CARE OF MATERIALS

RG0101-0

INTRODUCTION

This article has been prepared as a guideline for Buyer or Buyer's Receiving Agent who is responsible for receipt and care of materials manufactured by the Manufacturer.

The care taken in receipt and handling of materials directly affects the appearance, performance, and life of the completed building. This article identifies the various Shipping Documents received with each shipment of materials and presents Manufacturer's standard procedures in packaging and marking of materials. Cautions are given for the unloading of materials and procedures for receipt of materials are discussed. Finally, cautions for the job site storage of materials are given.

SHIPPING DOCUMENTS

A complete set of Shipping Documents are provided by Manufacturer with each shipment of materials. The Shipping Documents include a Bill of Lading, a Shipping Manifest, and a Shipping list.

The Bill of Lading shows the general classification on weight of materials shipped. Essentially the Bill of Lading serves three functions: (1) receipt; (2) contract of shipment; and (3) the document of title.

The Shipping Manifest shows the quantity of individual parts and packages included in a shipment. The Shipping manifest is designed to permit the receiving agent to quickly and accurately receive a shipment of materials.

The Shipping List is a detail listing of all materials included in an order showing the total quantity, part number, and description of materials. A copy of the Shipping List marked to show the materials included in the package is provided with each shipment.

PACKAGING AND MARKING

Materials for the Building System are packaged for ease in loading, unloading and to prevent loss of materials during transit. Standard packaging as outlined below is suitable for transportation by Manufacturer truck, and any other packaging requirements must be specified by Buyer on the Contract Documents.

Panel is wrapped in waterproof paper in packages of a maximum weight of 3500 pounds. Panel packages are separated by configuration and color and loaded separated by configuration. A waste or cover panel is provided only when other materials are loaded on top of a panel package. Ridge caps are banded in packages with approximately 50 per package. Each panel package is marked with the package number and the order number.

Trim is packaged in a waterproof carton, except when a small amount of trim is required, in which case the trim is wrapped in waterproof paper. Like pieces of trim are nested together and marked with the part number. Each trim package is marked with a package number and the order number.

Heavy structural framing, such as frame columns, frame rafters and wind columns are not packaged. Each item is marked with the part number and the order number.

Press-brake structural items, such as bearing end frame rafters, endwall columms, etc... are blocked and banded in groups of a maximum weight of 3500 pounds. Each item is marked with the part number and each group is marked with the package number and order number.

Rollform structural items, such as purlins, girts, etc... are blocked and banded in packages of a maximum weight of 3500 pounds. Each item is marked with the part number and each package is marked with the package number and order number.

Light structural items, such as rod bracing, angle bracing, base, rake, and corner angles are wired in groups of like items. Each group of like items is marked with the part number and the group is marked with the package number and order number.

Clips, when identical, are wired together, and all clips are banded together as a group. Flange braces are wired together by size. Each group of like items is marked with the part number. The group of clips and flange braces is marked with the package number and order number.

Fasteners, such as connection bolts, panel fasteners, nuts, etc... are bagged by item type, size, and color, and packaged in a can or drum. Each package is marked with the package number and order number.

Other items, such as sealants, panel closures, light hardware, etc... are boxed & the placed in the trim or fastener packages.

Accessory items, such as vents, doors, windows, etc... are prepackaged in boxes, cartons, crates, or paper wrapped by item, except roll-up doors, which are loaded with rubber spacers.

UNLOADING

Buyer is responsible for unloading materials at the delivery address or jobsite. If shipment is by truck, delivery is made to the nearest safe and accessible point to the job site. It is essential that the Buyer or Buyer's Receiving Agent be prepared with adequate workmen and equipment to meet and unload the shipment promptly at the scheduled time of delivery.

Substantial damage can be done to the materials if careless methods or inadequate equipment is used during unloading. All materials must be lifted from the truck using cranes, forklifts, or hoists of the proper size and capacity. Materials must never be pushed or dropped from the truck. Trim and panel packages need careful handling to avoid damage to these materials, The use of metal slings or chains for lifting trim and panel packages must be avoided. Error in determining the correct balance points, or careless attempts to lift oversize loads can result in damage to items, such as frame members, light gauge roll formed members, or long panel packages. Structural beam flanges can be damaged from improper placement of chains during attempts to unload heavy lifts. Buyer is responsible for all claims, damages, or injuries related to the unloading of materials.

STORAGE

Substantial deterioration and damage can occur to materials during job site storage. Materials should always be assembled or erected promptly on receipt. If assembly must be delayed, materials must be stored under protection.

All materials must be located in areas that are free from standing water. Materials must always be placed well above ground and stacked in a manner that provides free drainage of rain water or condensed moisture. Frame columns, rafters, and other items must be turned so water does not stand inside enclosed portion of members.

Particular care must be exercised in the storage of nested panels (see "Building Panels" published by the Manufacturer for additional information).

Materials should be stored in fenced and/or locked areas to reduce loss by vandalism or theft. Buyer is responsible for all deterioration, damage, loss, or claims related to the job site storage of materials.

RECEIPT

It is the Buyer's responsibility to receive each shipment including verifying all quantities as shown on the Shipping Manifest and inspecting all pieces or packages for damage

Quantities are verified by marking the quantity received on the Shipping Manifest. All shortages of part or package must be noted by Buyer or Buyer's Receiving Agent on the Shipping Manifest .

Buyer must carefully inspect pieces or packages for damage as materials are received. Each damaged part or package must be listed and the damage described on the Shipping Manifest.

All nested or packaged materials must be carefully inspected and any materials that have become wet in transit must be immediately unpacked, unstacked, and dried by Buyer. Particular care must be exercised in receipt of nested panels (see "Building Panels" published by the Manufacturer for additional information).

When all materials have been received and Buyer has identified all shortages or damages on the Shipping Manifest, both Buyer or Buyer's Receiving Agent and the driver of the carrier must sign the Bill of Lading and Shipping Manifest.

All packages must be opened by Buyer and the quantity of each item or part must be verified against the quantity shown on the Shipping List within ten (10) days following receipt of the shipment.

All claims for shortages or damages are subject to the Terms and Conditions of the Contract Documents.

IMPORTANT NOTICE

This material has been coated with a shop-applied primer. The primer is intended to protect the manufactured framing parts for only a short period of exposure to ordinary atmospheric conditions. This primer DOES NOT provide uniformity of appearance, durability and/or corrosion resistance of a field applied finish coat of paint.

The manufacturer IS NOT responsible for deterioration of the shop-applied 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 primer caused by handling, loading, shipping, unloading and erection are unavoidable. Shop-primed steel which is stored in the field pending erection, should be kept free of the ground and positioned as to minimize water-holding pockets, dust, mud and other contamination of the primer film.

METAL BUILDING PANELS

INTRODUCTION

Metal building panels are high qualityconstruction materials. Proper care of these building components can enhance the appearance of a building and will assure full service life. Improper care or lack of maintenance will definitely produce the opposite results. In addition, cost of materials repair or replacement and delays in construction due to problems resulting from lack of care are very expensive. In those instances where lack of care and maintenance is evident, warranties will be voided. These recommendations are presented by the Manufacturer in an effort to help the Buyer protect and insure the appearance and performance of these materials.

TYPES OF FINISHES

GALVALUME

Galvalume is the trade name for a patented steel sheet & coil product having a coating of corrosion resistant aluminum-zinc alloy. The alloy mixture is balanced to obtain the coating that retains the corrosion resistance & heat reflectivity of aluminum & the sacrifical action of galvanized. The best properties of both aluminum & zinc are combined in this coating & offer added service life for building panels.

PRE-PAINTED

Using galvalume steel as a substrate, pre-painted steel is given an additional rust inhibitor primer coat. This primer coat further increases the corrosion resistance. It also permits the use of attractive finish coats formulated to give the best in color and gloss retention. These coatings are applied to the exterior surface of the panels and the wash coat, designed only for interior use, is applied on the opposite side.

Galvalume, and Pre-painted steel can give excellent service for many years if a few rules concerning their care and maintenance are observed. All of these finishes are equally subject to damage and corrosion when care is not provided.

PACKAGING

Packaging of Manufacturer panels is designed to protect materials and prevent material loss during transit. Standard packaging includes wrapping in waterproof paper in bundles not exceeding 3500 pounds in weight. Panel bundles are separated by configuration and and color and loaded separated by configuration.

Bundles are marked with Manufacturer's order number. An envelope marked "Packing List Enclosed" is attached to the bundle in an accessible place. This packing list shows the quantity, length, color and configuration of the panels in the bundles. Most importantly, recommendations for panel care are printed on each bundle.

On all shipments transported by Manufacturer truck or commercial carrier, a waste or extra panel is placed on the bundle top when other materials are to be loaded atop the bundle. Panels transported by motor freight (component shipment) are banded to 2x4 skids at the bottom with an extra panel banded to the top of the bundle.

DAMAGE DURING CONSTRUCTION

The quality of workmanship in steel erection, construction practices, and handling methods used during the construction of the metal building can significantly affect the appearance and performance of the building panels. Most panel damage during construction is the result of faulty methods or carelessness. A good example of faulty methods is found in the installation of panel fasteners. The practice of overdriving these fasteners is fairly common. Overdriven fasteners cause indentations or shallow pockets in the panel around the fastener head. Rain water or condensed moisture combined with atmospheric pollutants (principally sulfur dioxides) and dirt particles collect in these pockets. The combination of pollutants and water creates acid solutions that will cause corrosion damage to the panel and fastener. Rain may wash some pollutants away, but moisture in the form of high humidity can keep these areas wet and continue the problem. Overdriving the fastener also forces the sealing washer from under the fastener head creating a leak at this point. Proper torque adjustment of the screw gun or preferably the use of a depth gauge will eliminate the problem of overdriven fasteners.

It is extremely important that all drill shavings from the installation of panel fasteners and fillings from the saw cutting of panels be removed from the panel surface. Corrosion will occur in a matter of hours when these shavings or fillings are not removed and are allowed to come in contact with water or condensed moisture. When panels are pre-drilled or cut in the stack prior to erection all shavings or fillings must be cleaned from both sides of the panel. Many times these raw steel particles are embedded in the panel finish coat and must be removed with a bristle brush. To prevent corrosion of the panel by these particles it is imperative that the roof be swept clean at least daily and certainly at job completion. The final cleaning of the roof should be done prior to installing the gutter so that the shavings are not deposited into the gutter and left to corrode. Any other foreign objects or debris left by construction personnel should also be removed from the roof.

During the erection of the roof and the installation of equipment such as air conditioning units, etc... carelessness by personnel walking on the panels can cause damage. Workmen should step or walk in the broad flat areas of the panel and avoid stepping on the major corrugations.

Panel ends and edges can be bent by careless handling. If this damage is severe, the edges must be straightened prior to erection since the appearance and/or weather tightness of the panel could be affected. Dragging one panel across another can cut or abrade the coating causing unsightly marks on the panel surface. Attempts to erect panels during windy conditions should be avoided to prevent damage and for safety considerations.

Another cause of panel damage that is consistently overlooked by the builder is the practice of leaving dirt piled against the exterior wall panels at the foundation. This dirt may be wet or at least will contain some moisture. Mud may have been splashed onto the wall during construction. Corrosion damage may occur where this dirt or mud contacts the panels. In areas where lime stabilization of the soil is required, corrosion damage from the soil's content will be accelerated and most likely be severe. All dirt must be removed from the panel walls at the completion of the work.

Pre-painted panels may require touch-up if the coating has been damaged during handling or erection. The appearance of the bldg. may be affected if damaged spots or scratches are located in highly visible places such as around doors, windows, etc... If the damage is extensive then replacement of the entire panel should be considered. Touch-up paint can be supplied by Manufacturer on request. The paint should be applied with a small, soft bristle artist's style brush.

MAINTENANCE

All panel finishes offered by the Manufacturer have excellent durability and provide an attractive appearance for the metal building's exterior. Periodic maintenance will extend the service life and add to the aesthetic value of the building panels.

Only minor maintenance is required for any of the finishes mentioned in this article and consists principally of an occasional thorough cleansing of the panel surface. Air borne dirt and pollutants may cause apparent discoloration of the panels, especially affecting the appearance of the pre-painted steel. Simply washing the building with plain water using hoses or pressure sprays is adequate. If dirt deposits are heavy, a solution of water and mild laundry detergent (1/3 cup detergent per gallon of water) may be used with a long handled, soft bristle brush.

RECEIPT OF MATERIALS

It is the responsibility of the Buyer to receive all shipments from the Manufacturer verifying the quantities received and inspecting the shipment for damage. A document titled "Shipping Manifest" is provided with each load listing the number of bundles of panels as well as other building components. An initial count of the bundles should be made at the time of unloading and any shortage noted on the manifest. Concurrent with the bundle count a close inspection for panels damaged during shipment should be made. It is very important at this time to check for panels that may have become wet during transit. The Buyer is responsible for checking panels and for unstacking and drying these panels to prevent water staining. An exact count of the panels within the bundles verifying the quantities shown on the "Packing List" must be made by the Buyer within fourteen (14) days of the date of delivery and any claim for material shortage filed with the Manufacturer within this time limit.

Notation of shortages or damages made on the shipping manifest should be acknowledged with the signature of the Manufacturer's driver or the carrier's driver or agent.

Claims for shortages or damaged materials on shipments transported by the Manufacturer should be filed with the Manufacturer and claims on shipments transported by common carrier filed with the carrier.

RG0102-0

UNLOADING, STACKING AND STORAGE

Proper unloading and stacking techniques can help prevent unnecessary damage, reduce handling time, and pay dividends in increased erection efficiency.

To assist in unloading panels from the truck, each bundle is loaded with the ends off-set. This allows the unloader to lift one end and insert a wooden block or dunnage under the bundle. Long panel bundles may require two (2) blocks. A forklift or bridle with web slings can now be used to lift the bundle. Under no circumstances should metal slings, chokers or chains be used as lifting devices. Damage to the panels will result from using such devices. Tag lines tied to the bundles and/or ground personnel can guide the materials safely into place. Dunnage should be placed on the ground or building floor spaced 8' on center to receive the bundles. Panel bundles should be stacked separate from the structural steel and in a dry area free from danger of water ponding. If possible, bundles should be stored under roof. For open storage, bundles must be placed on dunnage with one and elevated approximately 24 inches above ground or floor. The lower end should be approximately 4 inches above ground or floor. Dunnage should be placed under the center of long bundles to prevent sagging and water collection. Special attention must be given to keeping the low end out of contact with mud or water. The wrapping at the low end should be opened to allow ventilation and drainage. All bundles or unwrapped panels must be secured to avoid wind damage.

DAMAGE FROM CONDENSATION OR TRAPPED WATER

It is extremely important that the panels be checked at unloading, and then constantly monitored for evidence of trapped water or moisture condensation while awaiting erection. High humidity conditions with temperature cycling will cause condensation between the panels within the bundle. Condensation can occur frequently near the sea coast or other large bodies of water. In addition, panels can become wet by wind-driven rain if the wrappings are torn during handling. If jobsite covers are used, they should be tied away from the bundle at the corners to allow air circulation around the bundle. This will help prevent moisture evaporating from the ground or building floor from condensing on the panels. Plastic or other impermeable covers are not recommended. Immediate action is required if the panels are found to be wet from any cause. The bundles must be opened and each panel unstacked and thoroughly dried on both sides. Re-stacking the panels at a slight angle to each other to prevent nesting will allow air circulation and assist in keeping the panels dry. In severe conditions large fans can be used to circulate air between the unstacked panels and accelerate drying.

Damage to the panel coating occurs when panels become wet and are allowed to stay wet. Damage can occur to nested panels within 24-48 hours. This damage shows as corrosion and discoloration of the panel surface and is commonly called wet storage stain, zinc oxidation, or "white rust". All of the panel finishes discussed earlier in this article are subject to this damage and discoloration. Pre-painted steel is perhaps less vulnerable but by no means exempt. A softening of the paint film can occur with pre-painted steel under wet storage conditions and the durability of the panel finish substantially decreased. Galvanized and Galvalume panels react more quickly to surface oxidation since they lack the additional protection of paint. Zinc coated or Galvalume panels under normal exposure form a zinc or aluminum oxide film on their surface allowing a slow oxidation process called "weathering" to occur that inhibits further corrosion. In nested bundles constant contact of the panels with condensed or trapped water prevents this weathering process. Rapid oxidation of the zinc or zinc aluminum coating can now occur and may lead to "red rust" in a short time.

If discoloration or stains are minor, a household cleaner of the type used on porcelain sinks and bathtubs may be used with a bristle brush to remove the stains. Wire brushing or using abrasive materials should be avoided since scratching or removal of the coating could occur.

Damage from condensation or trapped water adversely affects the service life of metal building panels. Panels with significant damage should be replaced by the Buyer before erection.

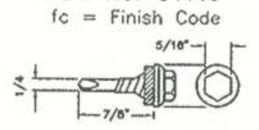
RG0103-0

SELF-DRILLING STITCH FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO PANEL SIDELAPS, TRIMS TO PANEL, TRIMS TO TRIMS AND AS THE GUTTER SUPPORT FASTENER.

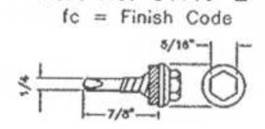
STITCH FASTENERS
Part No. S17fc
fc = Finish Code



1/4 x 7/8" SELF-DRILLER WITH WASHER

STANDARD LIFE

STITCH FASTENERS
Part No. S17fc-Z
fc = Finish Code



1/4 x 7/8" SELF-DRILLER WITH WASHER, EXTENDED LIFE

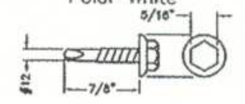
EXTENDED LIFE

SELF-DRILLING STRUCTURAL FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO FRAMING AT POLAR WHITE OR UNPAINTED, LINER AND INTERIOR PARTITION PANELS.

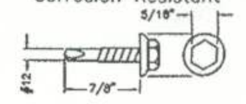
STRUCTURAL FASTENERS
Part No. S27PW-N
Polar White



#12 x 7/8" SELF-DRILLER WITHOUT WASHER

STANDARD LIFE ONLY

STRUCTURAL FASTENERS
Part No. S27CR-N
Corrosion Resistant



#12 x 7/8" SELF-DRILLER WITHOUT WASHER

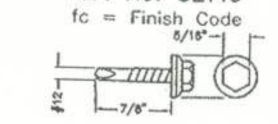
STANDARD LIFE ONLY

SELF-DRILLING STRUCTURAL FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO FRAMING AT SOFFIT, FACIA, BACK PANEL AND MINI-WHSE EXTERIOR PANEL. ALSO AT PANEL TO FRAMING AT LINER AND INTERIOR PARTITION PANELS NOT POLAR WHITE OR UNPAINTED.

STRUCTURAL FASTENERS
Part No. S27fc
fc = Finish Code



#12 x 7/8" SELF-DRILLER WITH WASHER

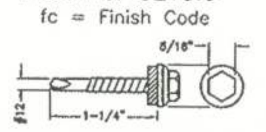
STANDARD LIFE ONLY

SELF-DRILLING STRUCTURAL FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO FRAMING AT EXTERIOR ROOF AND WALL PANEL WITH A MAXIMUM OF 4" OF BLANKET INSULATION.

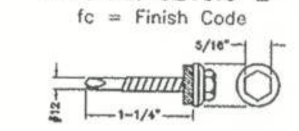
STRUCTURAL FASTENERS
Part No. S210fc
fc = Finish Code



#12 x 1-1/4" SELF-DRILLER WITH WASHER

STANDARD LIFE

STRUCTURAL FASTENERS
Part No. S210fc-Z
fc = Finish Code



#12 x 1-1/4" SELF-DRILLER WITH WASHER, EXTENDED LIFE

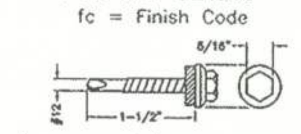
EXTENDED LIFE

SELF-DRILLING STRUCTURAL FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO FRAMING AT EXTERIOR ROOF AND WALL PANEL WITH OVER 4" OF BLANKET INSULATION TO A MAXIMUM OF 6" OF BLANKET INSULATION.

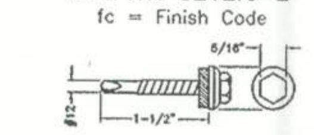
STRUCTURAL FASTENERS
Part No. S212fc
fc = Finish Code



#12 x 1-1/2" SELF-DRILLER WITH WASHER

STANDARD LIFE

STRUCTURAL FASTENERS
Part No. S212fc-Z
fc = Finish Code



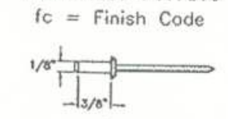
#12 x 1-1/2" SELF-DRILLER WITH WASHER, EXTENDED LIFE

EXTENDED LIFE

POP RIVET 1/8 X 3/16 GRIP

THESE POP RIVETS ARE USED AT TRIM ENDLAPS

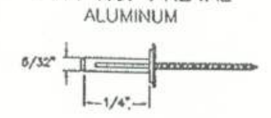
Part No. PR13fc
fc = Finish Code



POP RIVET 5/32 X 1/4"

THESE POP RIVETS ARE USED AT VALLEY AND PARAPET GUTTER ENDLAPS

Part No. PR24AL
ALUMINUM

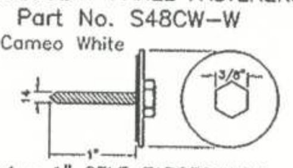


SELF-TAPPING STRUCTURAL FASTENERS

THESE FASTENERS REQUIRE PRE-DRILLING A PILOT HOLE

THIS FASTENER IS THE TRANSLUCENT ROOF PANEL TO FRAMING FASTENER.

TRANSLUCENT PANEL FASTENERS
Part No. S48CW-W
Cameo White



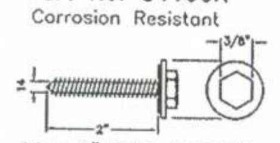
14 x 1" SELF-TAPPER WITH 1 1/8"ø SEALING WASHER

SELF-TAPPING STRUCTURAL FASTENERS

THESE FASTENERS REQUIRE PRE-DRILLING A PILOT HOLE

SOME OF THE COMMON USES FOR THESE FASTENERS ARE THRU PANEL TO FRAMING AT ROOF TO WALL TRANSITIONS AND AT HIGH SIDE EAVE TRIMS.

STRUCTURAL FASTENERS
Part No. S416CR
Corrosion Resistant



14 x 2" SELF-TAPPING WITH WASHER

RECOMMENDED INSTALLATION TOOLS & BITS

1. RECOMMENDED TOOL - AN 1800 rpm MAXIMUM, 4 TO 6 AMP SCREW GUN EQUIPPED WITH A DEPTH LOCATING NOSE PIECE. USE ADEQUATE CORDAGE TO PREVENT VOLTAGE DROP AT TOOL.
2. RECOMMENDED SOCKETS AND BITS:
   SELF-DRILING SOCKETS - ONE PIECE 5/16" HEX
   SELF-TAPPING SOCKETS - ONE PIECE 3/8" HEX
   BITS - 1/8" PANEL TO PANEL: #10 (.195)
   BITS - 1/8" PANEL OR TRIM TO FRAMING: #8 (.199)
   BIT SIZE FOR 1/8" POP RIVET IS #30 (.1285)
   BIT SIZE FOR 5/32" POP RIVET IS #20 (.161)

RECOMMENDED INSTALLATION GUIDELINES

1. DO NOT USE IMPACT TOOLS OR NUT RUNNERS TO INSTALL SCREWS.
2. REPLACE AND CLEAN SOCKETS OFTEN. THIS WILL ALLOW SCREWS TO SEAT PROPERLY IN THE SOCKET AND PREVENT "WOBBLING".
3. ALWAYS DRIVE SCREW PERPENDICULAR TO THE WORK SURFACE. THIS WILL PREVENT SCREW "WALKING" OR PANEL/TRIM DAMAGE.
4. INCORRECT FASTENER INSTALLATION CAN RESULT IN FASTENER FAILURE, WATER LEAKS, AND/OR PREMATURE DETERIORATION OF PANEL/SCREW.
5. POP RIVETS REQUIRE CONNECTING PARTS TO BE PRE-DRILLED AND INSTALLED WITH AN ADEQUATE TOOL.

RG0104-1

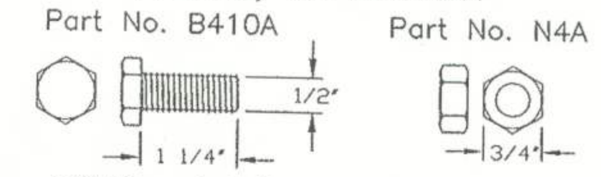
A307 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

SOME OF THE COMMON USES FOR THESE BOLT/NUT ASSEMBLIES ARE PURLIN, GIRT, EAVESTRUT AND FLANGE BRACE TO FRAME CONNECTIONS. ALSO END FRAME COLUMN TO END FRAME RAFTER CONNECTIONS.

Assembly No. BN410AA

Part No. B410A — Part No. N4A



1/2" Dia. x 1-1/4" A307 Hex Head Bolt, Finish = Plated — 1/2" Dia. A563 Hex Nut, Finish = Plated

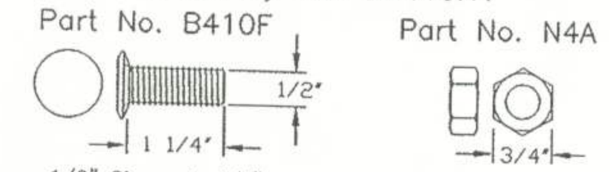
A307 FINNECK BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

SOME OF THE COMMON USES FOR THESE BOLT/NUT ASSEMBLIES ARE HEADER TO JAMB AND JAMB TO GIRT AND JAMB TO BASE CLIP CONNECTIONS.

Assembly No. BN410FA

Part No. B410F — Part No. N4A



1/2" Dia. x 1-1/4" A307 Finneck Bolt, Finish = Plated — 1/2" Dia. A563 Hex Nut, Finish = Plated

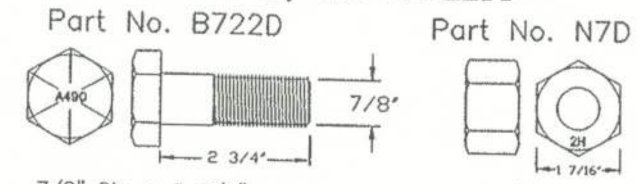
A490 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE MAIN FRAME COLUMN TO MAIN FRAME RAFTER CONNECTIONS.

Assembly No. BN722DD

Part No. B722D — Part No. N7D



7/8" Dia. x 2 3/4" A490 Hex Head Bolt, Finish = Plain (Block) — 7/8" Dia. A563 Hex Nut, Finish = Plain (Block)

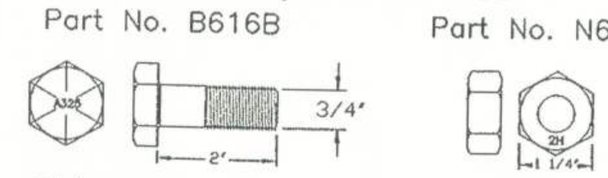
A325 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE MAIN FRAME COLUMN TO MAIN FRAME RAFTER CONNECTIONS.

Assembly No. BN616BB

Part No. B616B — Part No. N6B



3/4" Dia. x 2" A325 Hex Head Bolt, Finish = Plated — 3/4" Dia. A563 Hex Nut, Finish = Plated

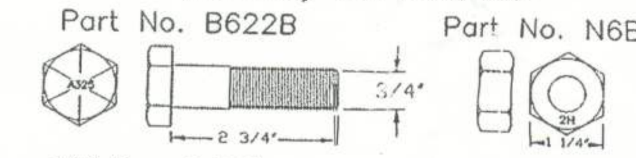
A325 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE MAIN FRAME COLUMN TO MAIN FRAME RAFTER CONNECTIONS.

Assembly No. BN622BB

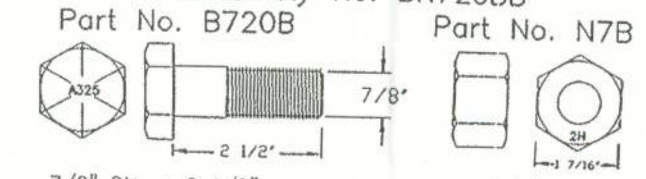
Part No. B622B — Part No. N6B



3/4" Dia. x 2 3/4" A325 Hex Head Bolt, Finish = Plated — 3/4" Dia. A563 Hex Nut, Finish = Plated

Assembly No. BN720BB

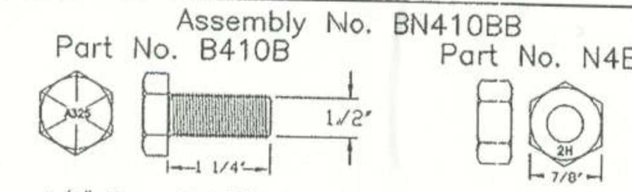
Part No. B720B — Part No. N7B



7/8" Dia. x 2 1/2" A325 Hex Head Bolt, Finish = Plated — 7/8" Dia. A563 Hex Nut, Finish = Plated

Assembly No. BN410BB

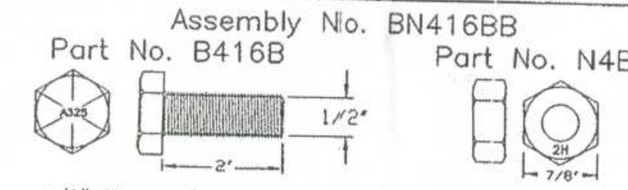
Part No. B410B — Part No. N4B



1/2" Dia. x 1 1/4" A325 Hex Head Bolt, Finish = Plated — 1/2" Dia. A563 Hex Nut, Finish = Plated

Assembly No. BN416BB

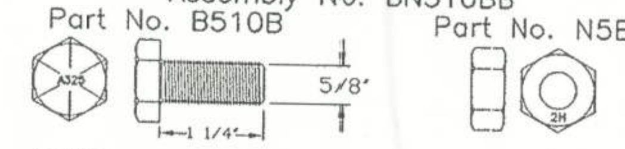
Part No. B416B — Part No. N4B



1/2" Dia. x 2" A325 Hex Head Bolt, Finish = Plated — 1/2" Dia. A563 Hex Nut, Finish = Plated

Assembly No. BN510BB

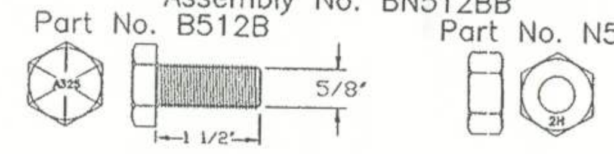
Part No. B510B — Part No. N5B



5/8" Dia. x 1 1/4" A325 Hex Head Bolt, Finish = Plated — 5/8" Dia. A563 Hex Nut, Finish = Plated

Assembly No. BN512BB

Part No. B512B — Part No. N5B



5/8" Dia. x 1 1/2" A325 Hex Head Bolt, Finish = Plated — 5/8" Dia. A563 Hex Nut, Finish = Plated

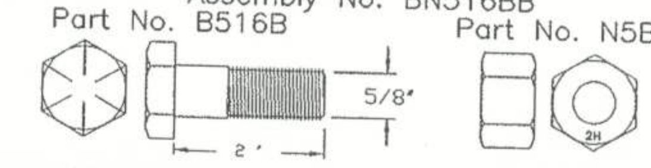
A325 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE MAIN FRAME COLUMN TO MAIN FRAME RAFTER CONNECTIONS.

Assembly No. BN516BB

Part No. B516B — Part No. N5B



5/8" Dia. x 2" A325 Hex Head Bolt, Finish = Plated — 5/8" Dia. A563 Hex Nut, Finish = Plated

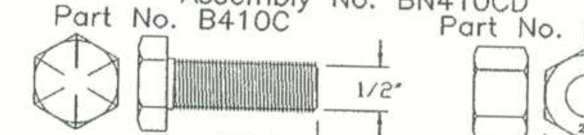
A354 HEX HEAD BOLT/A490 NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE BUILT-UP COLUMN TO BUILT-UP RAFTER CONNECTIONS.

Assembly No. BN410CD

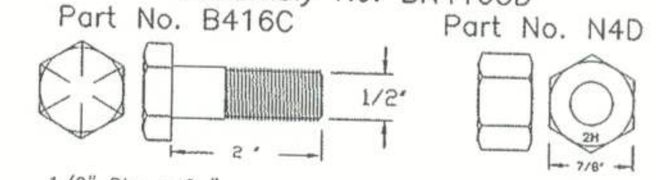
Part No. B410C — Part No. N4D



1/2" Dia. x 1 1/4" A354 Hex Head Bolt, Finish = Plated — 1/2" Dia. A563 Hex Nut, Finish = Plain (Black)

Assembly No. BN416CD

Part No. B416C — Part No. N4D



1/2" Dia. x 2" A354 Hex Head Bolt, Finish = Plated — 1/2" Dia. A563 Hex Nut, Finish = Plain (Block)

BOLT INSTALLATION INFORMATION

"SNUG TIGHT CONDITION"

SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS OBTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.

DRAWING ISSUE HISTORY

NO.	DATE	DESCRIPTION	DET	CKR	ENG
0					

MESCO
Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326
MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction	Job Number: 22-6650
Owner: WAYNE HUDSON	
Project Name: HUDSON III — Job Site Location: LAKE CITY FL.	Drawing Issue: 0 — Sheet Number: RG0104-1

DRAWING STATUS:

"FOR CONSTRUCTION "

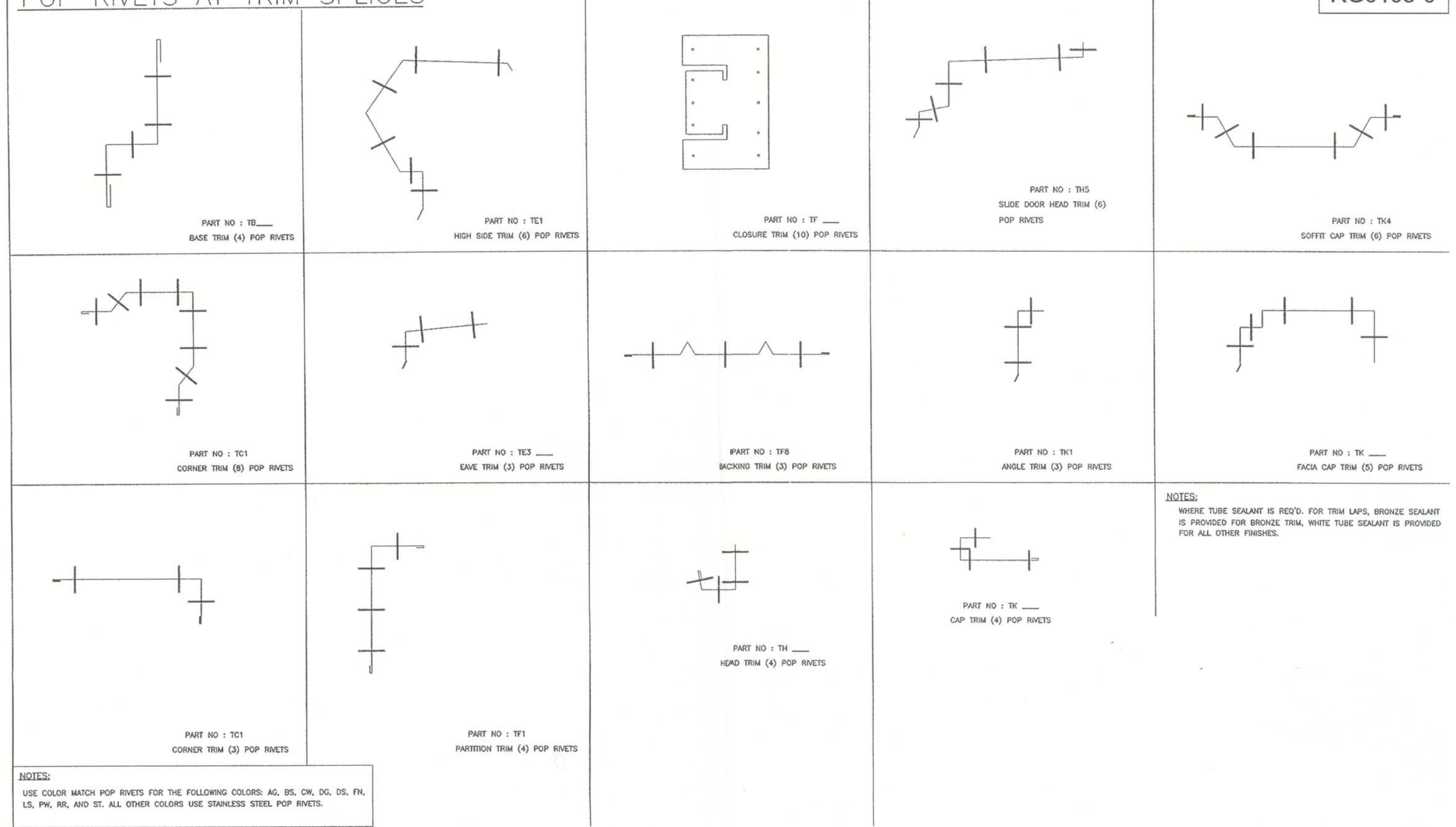
These drawings are to be considered as Final Construction Drawings and are to be used for the construction and installation of the project.

HARLEY DAVIDSON, LICENSE No. 39305, STATE OF FLORIDA, PROFESSIONAL ENGINEER

The engineer whose seal appears hereon is employed by the Building Manufacturer and is NOT the Engineer of Record for the overall Project.

POP RIVETS AT TRIM SPLICES

RG0105-0

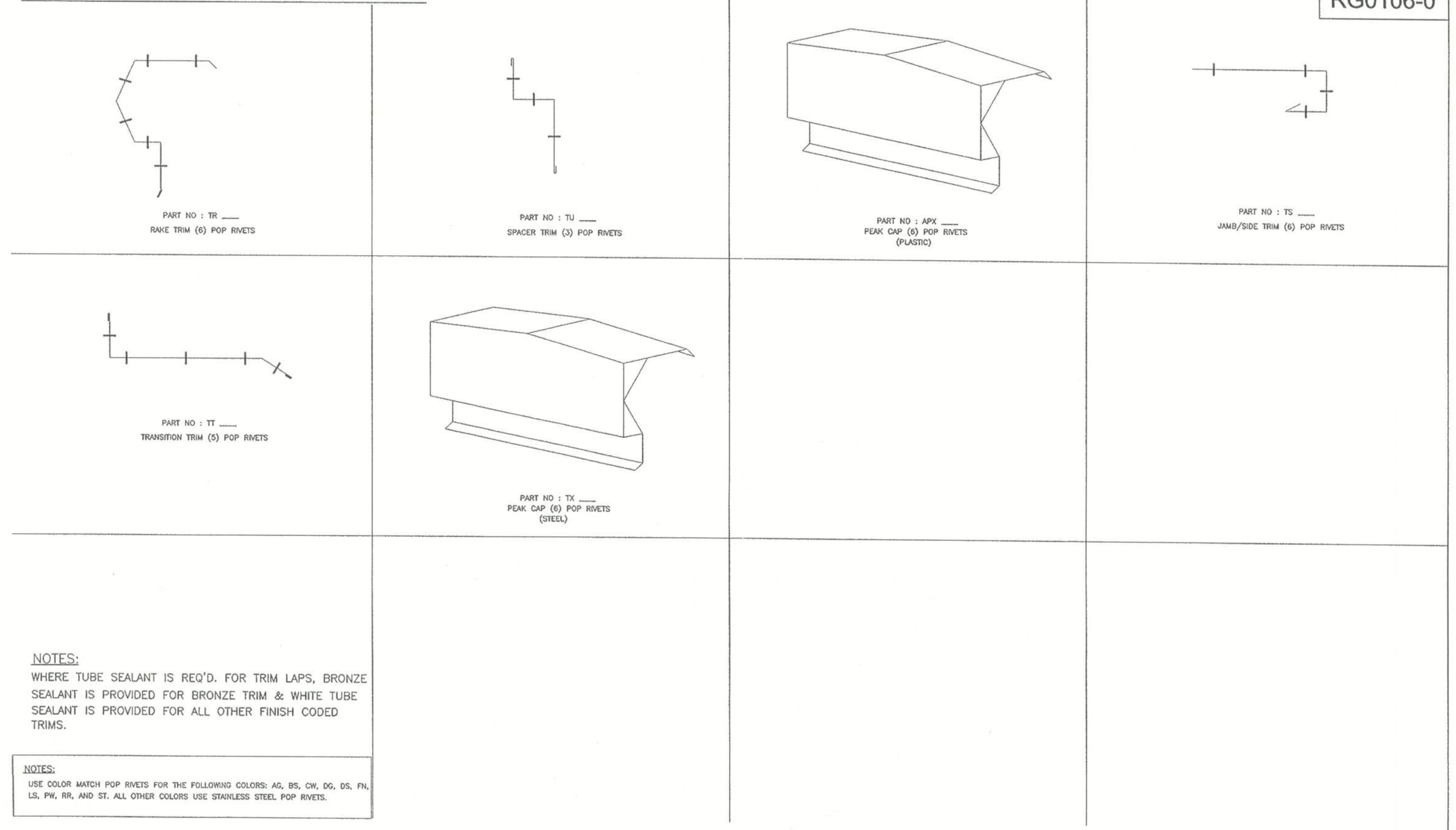


NOTES:
WHERE TUBE SEALANT IS REQ'D. FOR TRIM LAPS, BRONZE SEALANT IS PROVIDED FOR BRONZE TRIM, WHITE TUBE SEALANT IS PROVIDED FOR ALL OTHER FINISHES.

NOTES:
USE COLOR MATCH POP RIVETS FOR THE FOLLOWING COLORS: AG, BS, CW, DG, DS, FN, LS, PW, RR, AND ST. ALL OTHER COLORS USE STAINLESS STEEL POP RIVETS.

POP RIVETS AT TRIM SPLICES

RG0106-0

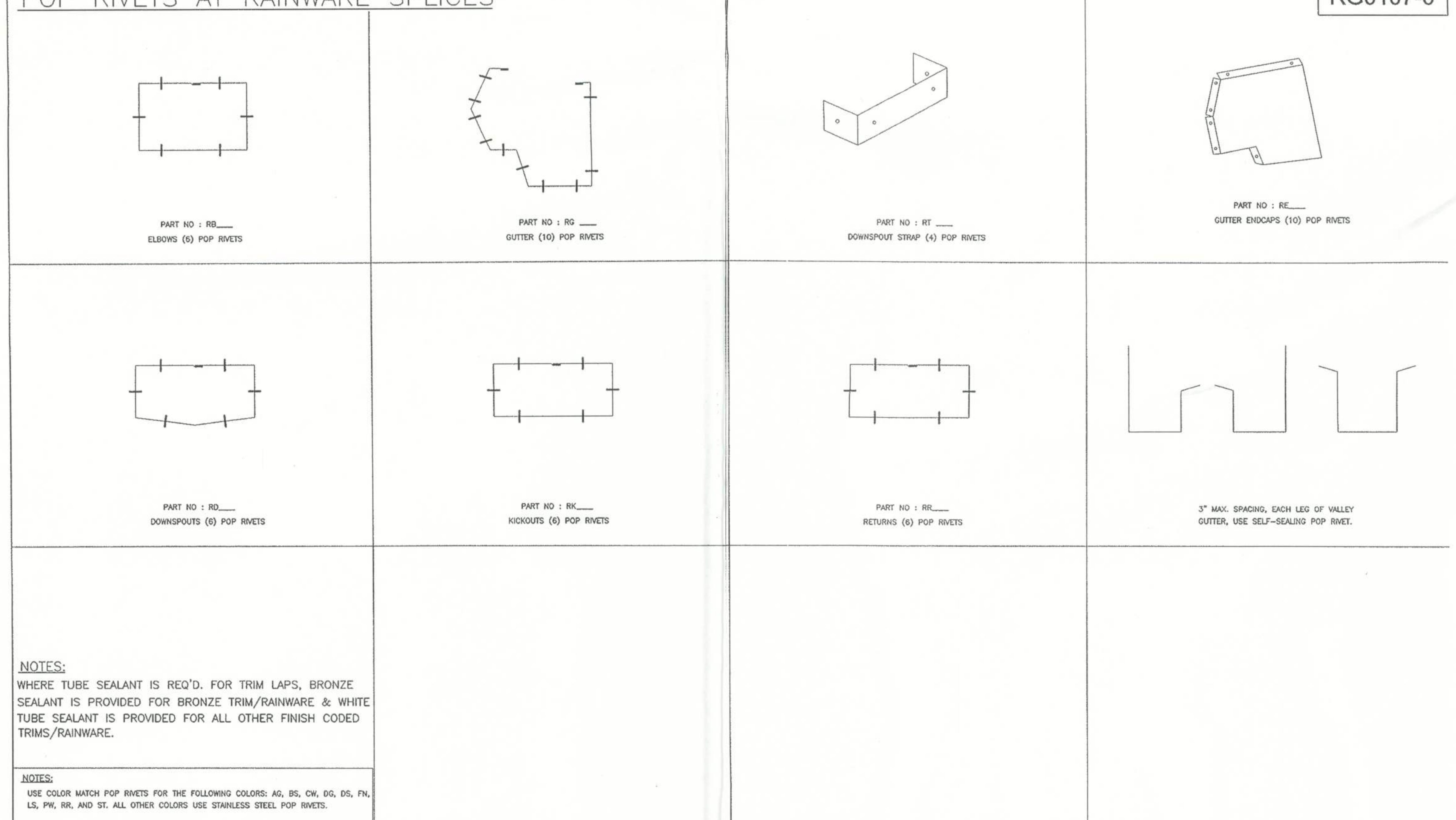


NOTES:
WHERE TUBE SEALANT IS REQ'D. FOR TRIM LAPS, BRONZE SEALANT IS PROVIDED FOR BRONZE TRIM & WHITE TUBE SEALANT IS PROVIDED FOR ALL OTHER FINISH CODED TRIMS.

NOTES:
USE COLOR MATCH POP RIVETS FOR THE FOLLOWING COLORS: AG, BS, CW, DG, DS, FN, LS, PW, RR, AND ST. ALL OTHER COLORS USE STAINLESS STEEL POP RIVETS.

POP RIVETS AT RAINWARE SPLICES

RG0107-0



NOTES:
WHERE TUBE SEALANT IS REQ'D. FOR TRIM LAPS, BRONZE SEALANT IS PROVIDED FOR BRONZE TRIM/RAINWARE & WHITE TUBE SEALANT IS PROVIDED FOR ALL OTHER FINISH CODED TRIMS/RAINWARE.

NOTES:
USE COLOR MATCH POP RIVETS FOR THE FOLLOWING COLORS: AG, BS, CW, DG, DS, FN, LS, PW, RR, AND ST. ALL OTHER COLORS USE STAINLESS STEEL POP RIVETS.

RG0108-0

DEALER / CONTRACTOR RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE DEALER/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 MESCO METAL BUILDINGS OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT.

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

APPROVAL OF MESCO'S DRAWINGS AND CALCULATIONS INDICATE THAT MESCO METAL BUILDINGS 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 MESCO'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 MESCO METAL BUILDINGS ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN MESCO METAL BUILDING'S ENGINEERS UNLESS SPECIFICALLY INDICATED.

THE DEALER/CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH MESCO METAL BUILDING'S "FOR CONSTRUCTION" DRAWINGS.

ALL BRACING AS SHOWN AND PROVIDED BY MESCO 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, FALSEWORK, 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.)

GENERAL NOTES

THE STRUCTURE UNDER THIS PURCHASE ORDER HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE PURCHASE ORDER 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. MESCO METAL BUILDINGS WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.

THIS METAL BUILDING IS DESIGNED WITH MESCO METAL BUILDING'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 BUILDIINGS"
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. METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL"
5. INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS: "UNIFORM BUILDING CODE"
6. SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL: "STANDARD BUILDING CODE"
7. BUILDING OFFICIAL AND CODE ADMINISTRATORS INTERNATIONAL: "BOCA NATIONAL BUILDING CODE"

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

SAFETY COMMITMENT

MESCO METAL BUILDINGS 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 MESCO METAL BUILDINGS.

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

LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS 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.

DRAWING ISSUE HISTORY

NO.	DATE	DESCRIPTION	DET	CKR	ENG
0					

Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

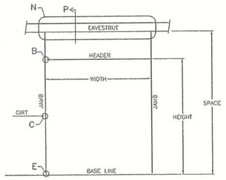
Buyer: Simque Construction	Job Number 22-6650
Owner: WAYNE HUDSON	
Project Name: HUDSON III / Job Site Location: LAKE CITY FL.	Drawing Issue 0 / Sheet Number RG0108-0

DRAWING STATUS:
"FOR CONSTRUCTION "
These drawings are to be considered as Final Construction Drawings and are to be used for the construction and installation of the project.

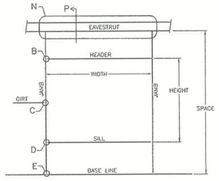
The engineer whose seal appears hereon is Employed by the Building Manufacturer and is NOT the Engineer of Record for the overall Project.

HARLEY DAVIDSON LICENSE No. 38305 STATE OF FLORIDA PROFESSIONAL ENGINEER Nov 08 2005

RM0101-0

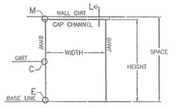


W/OUT SILL



WITH SILL

FRAMED OPENING TYPE 1



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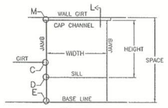
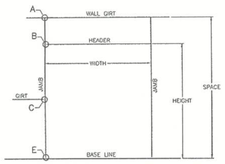
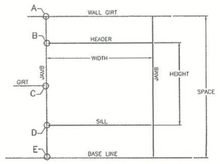


WITH SILL

FRAMED OPENING TYPE 4

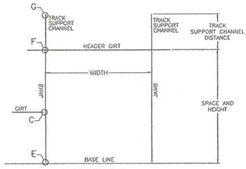


W/OUT SILL

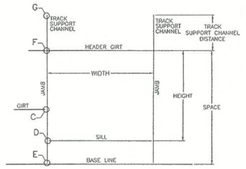


WITH SILL

FRAMED OPENING TYPE 2

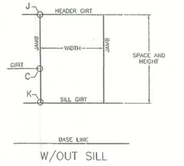


W/OUT SILL

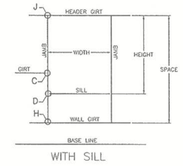


WITH SILL

FRAMED OPENING TYPE 3

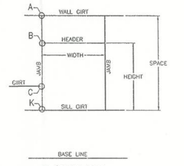


W/OUT SILL

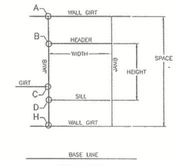


WITH SILL

FRAMED OPENING TYPE 5



W/OUT SILL



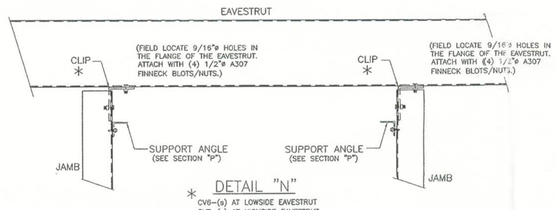
WITH SILL

FRAMED OPENING TYPE 6

SEE REFERENCE DRAWINGS RM0102
AND RM0103 FOR CONNECTION DETAILS

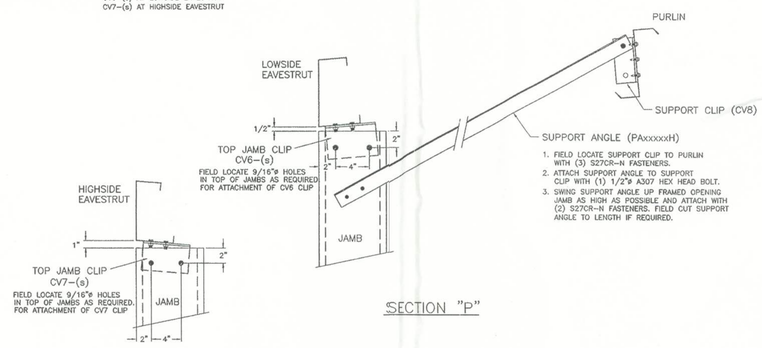
RM0103-0

1. FRAMED OPENINGS ARE FIELD LOCATED. THE FRAMED OPENINGS MAY BE SHOWN ON THE ERECTION DRAWINGS IN THEIR GENERAL LOCATION.
2. FIELD CUT GIRTS AT FRAMED OPENINGS. IF GIRTS ABOVE THE FRAMED OPENING HEADER OR BELOW THE SILL MEMBER MUST BE CUT, THE CUT PORTION MUST BE FIELD RELOCATED AT THE PROPER ELEVATION BETWEEN THE FRAMED OPENING JAMBS.



* DETAIL "N"

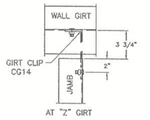
CV6-(s) AT LOWSIDE EAVESTRUT
CV7-(s) AT HIGHSIDE EAVESTRUT

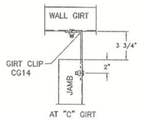


SECTION "P"

1. FIELD LOCATE SUPPORT CLIP TO PURLIN WITH (3) SCREW-N FASTENERS.
2. ATTACH SUPPORT ANGLE TO SUPPORT CLIP WITH (1) 1/2"ø A307 HEX HEAD BOLT.
3. SWING SUPPORT ANGLE UP FRAMED OPENING JAMB AS HIGH AS POSSIBLE AND ATTACH WITH (2) SCREW-N FASTENERS. FIELD CUT SUPPORT ANGLE TO LENGTH IF REQUIRED.

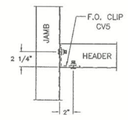
RM0102-0





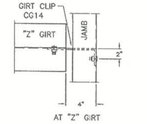
DETAIL "A"
(4) 1/2"ø A307 FINNECK BOLTS/NUTS

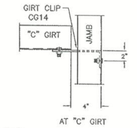
FIELD LOCATE 9/16"ø HOLES IN GIRT FOR ATTACHMENT OF JAMBS.



DETAIL "B"
(4) 1/2"ø A307 FINNECK BOLTS/NUTS

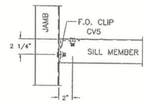
FIELD LOCATE 9/16"ø HOLES IN JAMBS FOR ATTACHMENT OF HEADER.





DETAIL "C"
(4) 1/2"ø A307 FINNECK BOLTS/NUTS

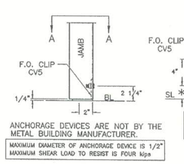
FIELD LOCATE 9/16"ø HOLES IN JAMBS FOR ATTACHMENT OF GIRT.



DETAIL "D"
(4) 1/2"ø A307 FINNECK BOLTS/NUTS

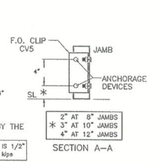
FIELD LOCATE 9/16"ø HOLES IN JAMBS FOR ATTACHMENT OF SILL.

1. FRAMED OPENINGS ARE FIELD LOCATED. THE FRAMED OPENINGS MAY BE SHOWN ON THE ERECTION DRAWINGS IN THEIR GENERAL LOCATION.
2. FIELD CUT GIRTS AT FRAMED OPENINGS. IF GIRTS ABOVE THE FRAMED OPENING HEADER OR BELOW THE SILL MEMBER MUST BE CUT, THE CUT PORTION MUST BE FIELD RELOCATED AT THE PROPER ELEVATION BETWEEN THE FRAMED OPENING JAMBS.

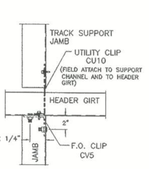


ANCHORAGE DEVICES ARE NOT BY THE METAL BUILDING MANUFACTURER.
MAXIMUM DIAMETER OF ANCHORAGE DEVICE IS 1/2"
MAXIMUM SHEAR LOAD TO RESIST IS FOUR kips

DETAIL "E"
(2) 1/2"ø A307 FINNECK BOLTS/NUTS

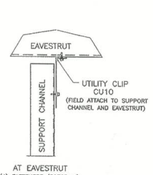


SECTION A-A

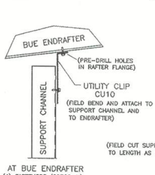


DETAIL "F"
(4) 1/2"ø A307 FINNECK BOLTS/NUTS
(4) FASTENERS (S27CR-N)

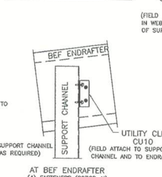
FIELD LOCATE 9/16"ø HOLES IN HEADER GIRT FOR ATTACHMENT OF JAMBS.



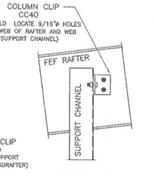
AT EAVESTRUT
(4) FASTENERS (S27CR-N)



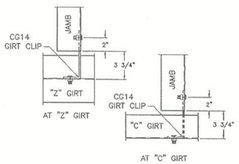
AT BUE ENDRAFTER
(4) FASTENERS (S27CR-N)



AT BEF ENDRAFTER
(4) FASTENERS (S27CR-N)

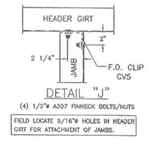


AT FEF RAFTER
(4) 1/2"ø A307 HEX HEAD BOLTS/NUTS



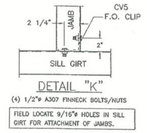
DETAIL "H"
(4) 1/2"ø A307 FINNECK BOLTS/NUTS

FIELD LOCATE 9/16"ø HOLES IN GIRT FOR ATTACHMENT OF JAMBS.



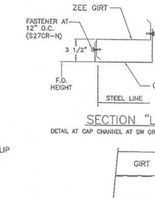
DETAIL "J"
(4) 1/2"ø A307 FINNECK BOLTS/NUTS

FIELD LOCATE 9/16"ø HOLES IN HEADER GIRT FOR ATTACHMENT OF JAMBS.



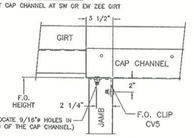
DETAIL "K"
(4) 1/2"ø A307 FINNECK BOLTS/NUTS

FIELD LOCATE 9/16"ø HOLES IN SILL GIRT FOR ATTACHMENT OF JAMBS.



SECTION "L"
DETAIL AT CAP CHANNEL AT SW OR EW ZEE GIRT

DETAIL "G"
(4) FASTENERS (S27CR-N)



DETAIL "M"
(4) 1/2"ø A307 FINNECK BOLTS/NUTS

RM0104-1

NOTE: PBR Wall Panel Shown. PBX , PBAand PBU Wall Panel Similar.

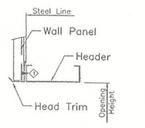
* PANEL OPENING HEIGHT = F.O. HEIGHT + PANEL EXTENSION BELOW BASE LINE. (PANEL NORCH)
** PANEL OPENING HEIGHT = F.O. HEIGHT + 1"

FRAMED OPENING PANEL PREPARATION

JAMB, HEAD AND SILL TRIM INSTALLATION

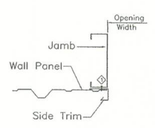
SLIDE HEAD/SILL TRIM IN SLOT AND CENTER ABOUT CL OF OPNG. CAULK TRIM AT SLOT (LENGTH OF SLOT IS NOT TO EXCEED + 1/4")

TRIM SPLICES



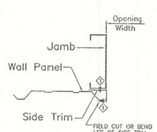
Wall Fasteners at 12"o.c.

SECTION "A"



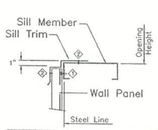
Pop Rivets at 18" o.c.

SECTION "B1"



Pop Rivets at 18" o.c.

SECTION "B2"



Wall Fasteners at 12"o.c.
Pop Rivets at 12" o.c.

SECTION "C"

Pop Rivets at 12" o.c.

COVER TRIMS

* 2 3/4" AT 8 & 10 x 2 1/2 C
3 3/4" AT 8, 10 & 12 x 3 1/2 C
5" AT 8 x 4 3/4 C

BASE MEMBER CUT OUT (BASE EDGE)

* 5 1/2" AT 8 & 10 x 2 1/2 C
7 1/2" AT 8, 10 & 12 x 3 1/2 C
10" AT 8 x 4 3/4 C

BASE MEMBER CUT OUT (BASE ANGLE)
(BASE CHANNEL SIMILAR)

* 7" AT 8 & 10 x 2 1/2 C
9" AT 8, 10 & 12 x 3 1/2 C
11 3/4" AT 8 x 4 3/4 C

BASE MEMBER CUT OUT (BASE GIRT)

DRAWING ISSUE HISTORY

NO.	DATE	DESCRIPTION	DET	CKR	ENG
0					

Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

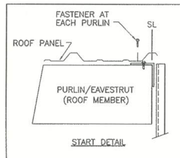
Buyer: Simque Construction
Owner: WAYNE HUDSON
Project Name: HUDSON III
Job Site Location: LAKE CITY FL.

Job Number: 22-6650
Drawing Issue: 0
Sheet Number: RM0104-1

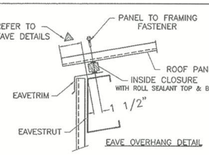
DRAWING STATUS:
"FOR CONSTRUCTION "
These drawings are to be considered as Final Construction Drawings and are to be used for the construction and installation of the project.

The engineer whose seal appears hereon is Employed by the Building Manufacturer and is NOT the Engineer of Record for the overall Project.

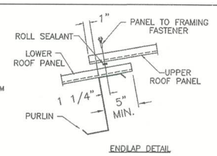
HALEY DAVIDSON LICENSE No. 39305 STATE OF FLORIDA
NOV 03 2015



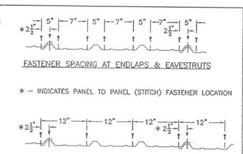
START DETAIL



EAVE OVERHANG DETAIL

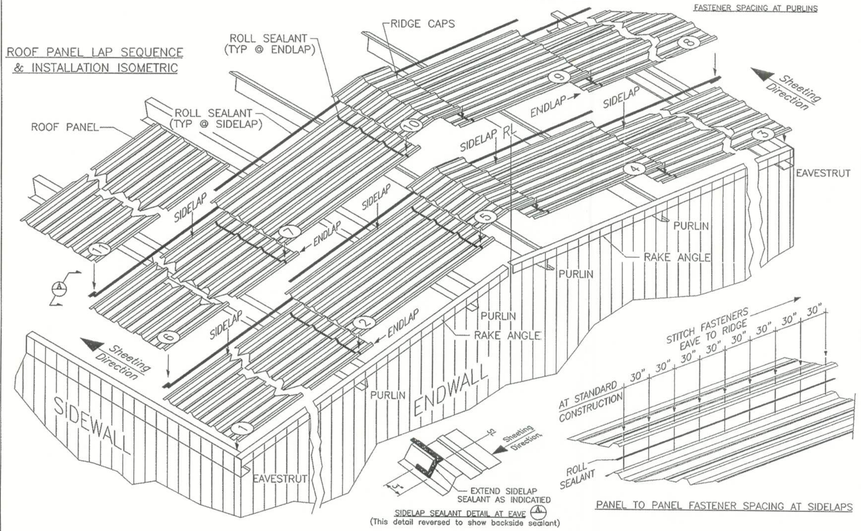


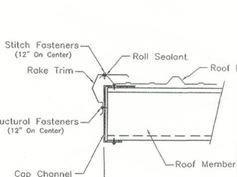
ENDLAP DETAIL



FASTENER SPACING AT PURLINS

ROOF PANEL LAP SEQUENCE & INSTALLATION ISOMETRIC





SIDELAP SEALANT DETAIL AT EAVE (This detail reversed to show backside sealant)

PANEL TO PANEL FASTENER SPACING AT SIDELAPS

PBR ROOF PANEL
INSTALLATION INSTRUCTIONS
(Gable Roof Standard Construction)

RR0101-1

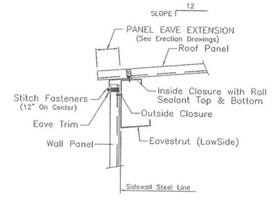
1. INSTALL FIRST ROOF PANEL AT EAVE WITH THE CL OF RIB ALIGNED WITH THE ENDWALL STEEL LINE AS SHOWN IN THE START DETAIL AND EAVE OVERHANG DETAIL. INSTALL PANEL TO FRAMING FASTENERS AT EVERY PURLIN AS SHOWN.
2. SHOULD ENDLAP BE REQUIRED, APPLY ROLL SEALANT TO LOWER PANEL AS SHOWN IN ENDLAP DETAIL. ATTACH PANEL TO FRAMING FASTENERS AT SPACING SHOWN FOR ENDLAP AND EAVESTRUT.
3. INSTALL PANEL TO FRAMING FASTENERS AT ALL PURLINS OTHER THAN ENDLAP LOCATIONS AS SHOWN IN SPACING DETAIL.
4. PROCEED SHEETING BUILDING FROM RIGHT TO LEFT AS SHOWN IN PANEL LAP SEQUENCE & INSTALLATION ISOMETRIC DRAWING.
5. APPLY ROLL SEALANT IF REQUIRED TO RIB OF PREVIOUSLY INSTALLED PANEL. LOCATE NEXT PANEL AS THE FIRST, INSURING THAT PANEL ENDS ARE ALIGNED PROPERLY. INSTALL SIDELAP FASTENERS AT SPACING SHOWN FOR STANDARD ROOF CONSTRUCTION AS REQUIRED.
6. CONTINUE SHEETING ACROSS BUILDING UNTIL ROOF IS COMPLETE. INSTALL RIDGECAPS USING ROLL SEALANT AS SHOWN IN ENDLAP DETAIL AND ATTACH FASTENERS AT ENDLAP SPACING ON BOTH SIDES OF RIDGE.

GENERAL NOTES

1. REFER TO RD0103 & TITLE SHEET FOR FASTENER TYPE AND RECOMMENDED INSTALLATION.
2. NET COVERAGE OF PBR PANEL IS 36 INCHES.
3. THE ROOF MUST BE SWEPT CLEAN DAILY, OF ALL METAL PARTICLES AFTER FASTENERS ARE INSTALLED, TO PREVENT PANEL DAMAGE.
4. REFER TO EAVE AND RAKE DETAILS FOR EAVE AND RAKE TRIM INSTALLATION REQUIREMENTS. EAVE TRIM MUST BE INSTALLED PRIOR TO ROOF PANEL INSTALLATION.
5. DIRECTION OF WORK SHOULD BE TOWARD PREVAILING WINDS.
6. THIS IS A STANDARD REFERENCE DRAWING TO BE USED IN CONJUNCTION WITH THE ERECTION DRAWINGS AND OTHER DRAWINGS OF THIS SERIES FOR RAKE ANGLE & CAP CHANNEL LOCATIONS.
7. REFER TO ERECTION DRAWINGS AND DETAIL SHEETS FOR NON-STANDARD DETAILS AND SECTIONS.

NOTE: CAUTION!!
WHEN NORTHERN ROOF CONSTRUCTION IS REQUIRED REFER TO THE REFERENCE DRAWING RR0107. SOME OF THE FASTENER SPACINGS AND SEALANT TYPES FOR NORTHERN ROOF CONSTRUCTION ARE DIFFERENT THAN THOSE SHOWN ON THIS DRAWING.

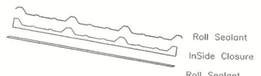
RR0301-0



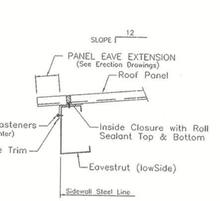
LOW SIDE EAVE SECTION (A) Sheeted

INSTALLATION NOTES:

1. Install the sidewall panels as per the "Sidewall Panel Installation" reference drawing.
2. Install the eave trim and the outside closure with trim to panel fasteners at 12" o.c. Make sure that the eave trim is on TOP of the eavestrut.
3. Install the roof panels and the inside closure as per the "Roof Panel Installation" reference drawing. Also refer to the "Roof Eave Closure Detail" shown below.



ROOF EAVE CLOSURE DETAIL

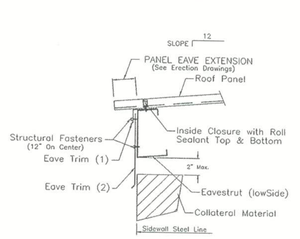


LOW SIDE EAVE SECTION (B) Open to Remain

INSTALLATION NOTES:

1. Install the eave trim with trim to framing fasteners at 12" o.c. Make sure that the eave trim is on TOP of the eavestrut.
2. Install the roof panels and the inside closure as per the "Roof Panel Installation" reference drawing. Also refer to the "Roof Eave Closure Detail" shown below.

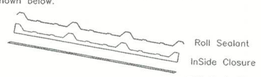
ROOF EAVE CLOSURE DETAIL



LOW SIDE EAVE SECTION (C) Open for Collateral Material

INSTALLATION NOTES:

1. Install the eave trims with trim to framing fasteners at 12" o.c. Make sure that eave trim (1) is on TOP of the eavestrut.
2. Install the roof panels and the inside closure as per the "Roof Panel Installation" reference drawing. Also refer to the "Roof Eave Closure Detail" shown below.



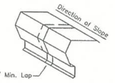
ROOF EAVE CLOSURE DETAIL

RR0303-1

RAKE SECTION (A) Sheeted Wall

INSTALLATION NOTES:

1. Install the panel angle to the roof members with framing to framing fasteners 1 per member.
2. Install the endwall panels as per the "Endwall Panel Installation" reference drawing.
3. Install the roof panels as per the "Roof Panel Installation" reference drawing.
4. Install the roll sealant along roof panel.
5. Begin rake trim installation at corner capped piece, left or right. Position trim over the roof panels and snug up against the endwall panels. Mate corner cap with gutter and eave trim. Install a trim to panel fastener temporarily.
6. Work up the slope on both sides lapping trim a minimum of 1" as shown in the splice detail. Temporarily fasten ends together as work progresses.
7. After temporarily fastening rake trim up both slopes trim off excess within 6" of peak (minimum). Align apex cap at peak and to both sides. Fasten using trim to panel fasteners at 6" o.c.
8. Use corner cap and apex cap as station points to align rake trim, install closure at the wall panels as required. Secure rake trim to endwall and roof panel using trim to panel fasteners at 12" o.c.

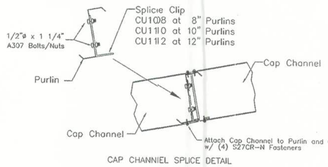


RAKE TRIM SPLICE DETAIL
Refer to Reference Drawings R01-05 thru R01-07 for Pop Rivet Locations

RAKE SECTION (B) Open to Remain

INSTALLATION NOTES:

1. Install the cap channel to the roof members with framing to framing fasteners 2 per member.
2. Install the roof panels as per the "Roof Panel Installation" reference drawing.
3. Install the roll sealant along roof panel.
4. Begin rake trim installation at corner capped piece, left or right. Position trim over the roof panels and snug up against the cap channel. Mate corner cap with gutter and eave trim. Install a trim to panel fastener temporarily.
5. Work up the slope on both sides lapping trim a minimum of 1" as shown in the splice detail. Temporarily fasten ends together as work progresses.
6. After temporarily fastening rake trim up both slopes trim off excess within 6" of peak (minimum). Align apex cap at peak and to both sides. Fasten using trim to panel fasteners at 6" o.c.
7. Use corner cap and apex cap as station points to align rake trim. Secure the rake trim to the roof panel using trim to panel fasteners at 12" o.c. and to the cap channel with trim to framing fasteners at 12" o.c.



CAP CHANNIEL SPLICE DETAIL

RAKE SECTION (C) Open for Collateral Material

INSTALLATION NOTES:

1. Install the cap channel to the roof members with framing to framing fasteners 2 per member.
2. Install rake trim (2) attaching to cap channel with framing fasteners a t 12" o.c. (Field miter at ridge line as req'd.)
3. Install the roof panels as per the "Roof Panel Installation" reference drawing.
4. Install the roll sealant along roof panel.
5. Begin rake trim (1) installation at corner capped piece, left or right. Position trim over the roof panels and snug up against the cap channel. Mate corner cap with gutter and eave trim. Install a trim to panel fastener temporarily.
6. Work up the slope on both sides lapping trim a minimum of 1" as shown in the splice detail. Temporarily fasten ends together as work progresses.
7. After temporarily fastening rake trim up both slopes trim off excess within 6" of peak (minimum). Align apex cap at peak and to both sides. Fasten using trim to panel fasteners at 6" o.c.
8. Use corner cap and apex cap as station points to align rake trim. Secure the rake trim to the roof panel using trim to panel fasteners at 12" o.c. and to rake trim (2) with trim to trim fasteners at 12" o.c.

RR0304-2

LOW SIDE EAVE SECTION (A) Sheeted

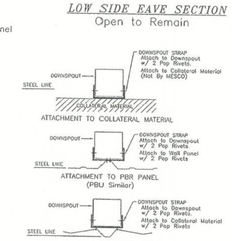
INSTALLATION NOTES:

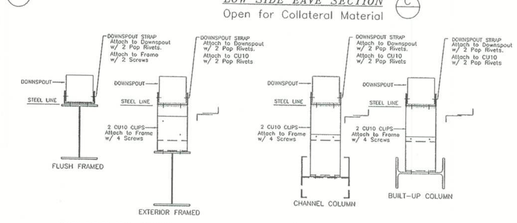
1. Install the sidewall panels as per the "Sidewall Panel Installation" reference drawing.
2. Install the eave trim(s) as per the "Low Eave Installation" reference drawing.
3. Install the roof panels as per the "Roof System Installation" reference drawings.
4. Fasten gutter supports to roof panel at major ribs at spacing shown, using gutter support to panel fasteners at pre-drilled holes in gutter support.
5. Insure gutter support extends past the steel line to dimension shown on the erection drawings.
6. Working from the rear of the building locate gutter with top lip over the gutter support and the rear leg of the gutter resting against the wall panel.
7. Secure the back leg of the gutter to the roof panel with gutter support to panel fasteners at 12" o.c. Secure the gutter to the gutter supports with gutter support to panel fasteners at all gutter supports.
8. Gutter sections which are to receive downspouts must be field cut prior to installation of the gutter.
9. Downspout outlets are to be cut to opening sizes shown. Bend field cut tabs down and install gutter on building.
10. Install remainder of gutter using tube acrylic sealant and pop rivets at gutter end laps as shown. The minimum gutter end lap is 1". The maximum gutter end lap is 1 1/2".
11. Install downspouts by sliding up and over field cut tabs in gutter. Secure downspouts to gutter using pop rivets thru downspout and field cut tabs.
12. Install one downspout strap per section of downspout. For attachment options see "Downspout Strap Attachment".
13. Secure downspout to downspout strap using two pop rivets thru downspout at each side.

LOW SIDE EAVE SECTION (B) Open to Remain

LOW SIDE EAVE SECTION (C) Open for Collateral Material

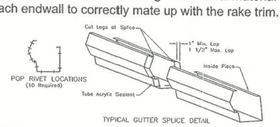
GUTTER PROFILE FOR ROOF SLOPES GREATER THAN 3:12



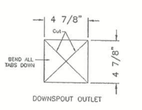


Downspout Strap Attachment Options

NOTE: The gutter must extend past the endwall steel line the depth of the endwall sheeting or collateral material at each endwall to correctly mate up with the rake trim.



TYPICAL GUTTER SPLICE DETAIL



DOWNSPOUT OUTLET

DRAWING ISSUE HISTORY

NO.	DATE	DESCRIPTION	DET	CKR	ENG
0					

Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326
MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction
Owner: WAYNE HUDSON
Project Name: HUDSON III
Job Site Location: LAKE CITY FL.
Job Number: 22-6650
Drawing Issue: 0
Sheet Number: RR0304-2

DRAWING STATUS:
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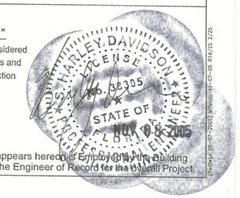
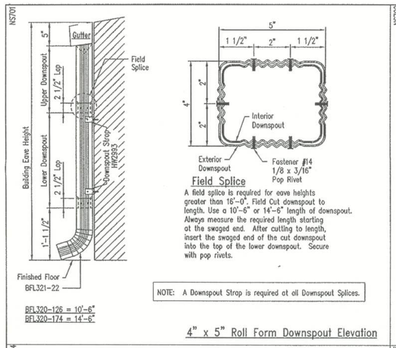


NS701



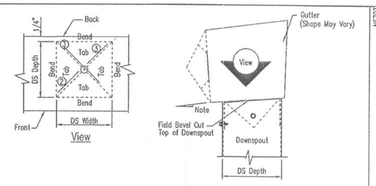
Field Splice

A field splice is required for eave heights greater than 15'-0". Field Cut downspout to length. Use a 10'-6" or 14'-6" length of downspout. Always measure the required length starting at the swaged end. After cutting to length, insert the swaged end of the cut downspout into the top of the lower downspout. Secure with pop rivets.

NOTE: A Downspout Strap is required at all Downspout Splices.

4" x 5" Roll Form Downspout Elevation

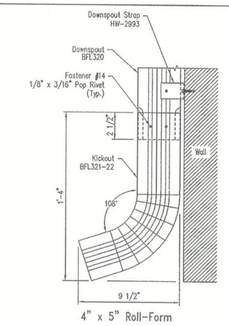
NS702



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 whole 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 #1 1/4-14 X 7/8 Lap Tek self drilling fastener through the downspout into the gutter tab. Only the two sides and the front of the downspout will receive fasteners.

Downspout To Gutter Attachment Detail

NS703

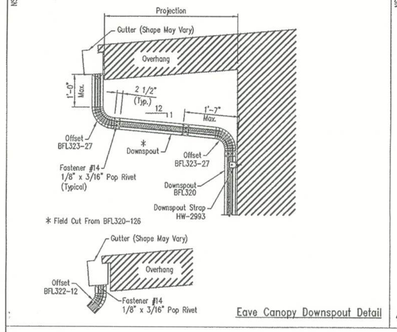


4" x 5" Roll-Form

Downspout Kickout

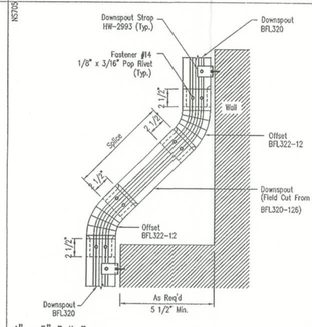
RR0305-0

NS704



Eave Canopy Downspout Detail

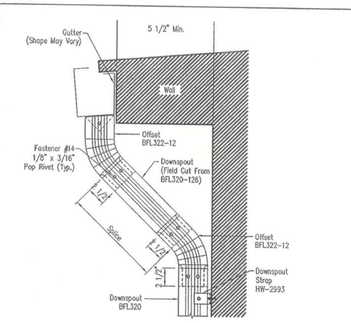
NS705



4" x 5" Roll-Form

Wall Offset

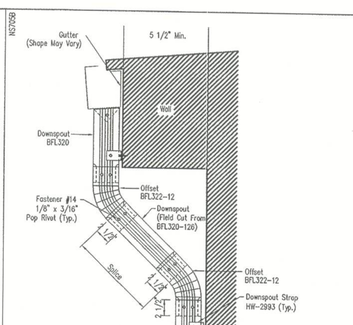
NS706A



4" x 5" Roll-Form

Full Height Open Wall

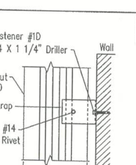
NS706B



4" x 5" Roll-Form

Partially Open Wall

NS706

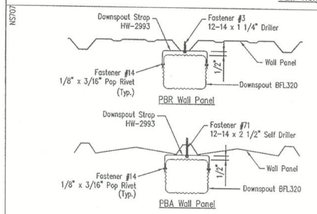


4" x 5" Roll-Form

Downspout Strap Attachment Detail

RR0306-0

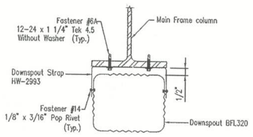
NS707



4" x 5" Roll-Form

Downspout Strap Attachment Detail

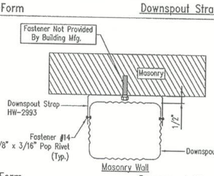
NS708



4" x 5" Roll-Form

Downspout Strap Attachment Detail

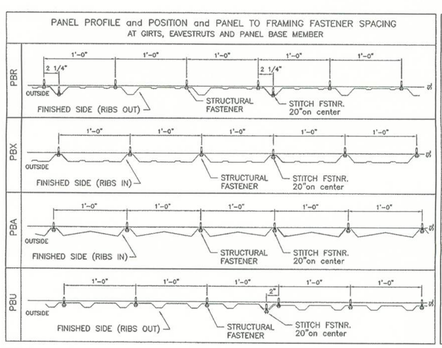
NS709

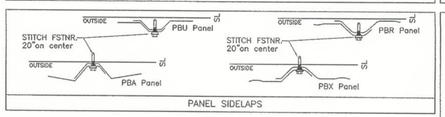


4" x 5" Roll-Form

Downspout Strap Attachment Detail

PANEL PROFILE and POSITION and PANEL TO FRAMING FASTENER SPACING AT GIRTS, EAVESTRUTS AND PANEL BASE MEMBER

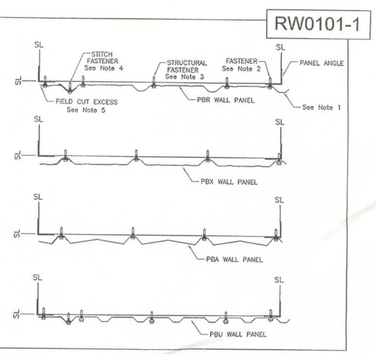




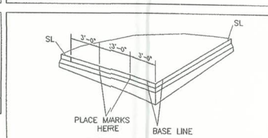
PANEL SIDELAPS

SIDEWALL PANEL INSTALLATION NOTES

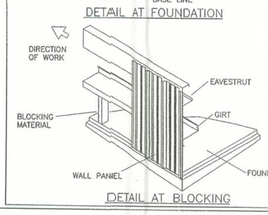
1. START FIRST SIDEWALL PANEL AT CORNER WITH THE CENTER LINE OF THE MAJOR RIB ALIGNED WITH THE ENDWALL STEEL LINE.
2. INSTALL ONE FASTENER AT CORNER OF EACH FRAMING MEMBER TO HOLD PANEL IN PLACE UNTIL REMAINING FASTENERS CAN BE INSTALLED.
3. ATTACH PANEL TIO FRAMING MEMBERS AT PANEL TO FRAMING FASTENER SPACING. REFER TO ERECTION DRAWING FOR FASTENER TYPE AND COLOR.
4. INSTALL NEXT PANEL LAPPING RIBS. ATTACH PANEL TO PANEL USING FASTENERS AT STITCH FASTENER SPACING. REFER TO ERECTION DRAWINGS FOR FASTENER TYPE AND COLOR.
5. CONTINUE SHEETING SIDEWALL CHECKING VERTICAL ALIGNMENT AND COVERAGE. PANEL MAY END AT MAJOR RIB OR REQUIRE FIELD CUTTING. REFER TO ERECTION DRAWINGS FOR PANEL LAYOUT.



RW0101-1



DETAIL AT FOUNDATION

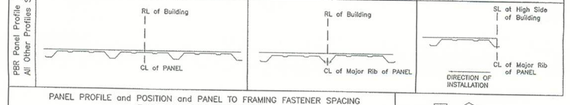


DETAIL AT BLOCKING

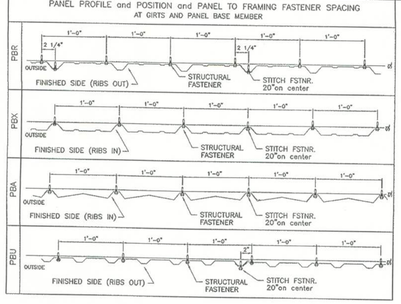
SIDEWALL PANEL GENERAL NOTES

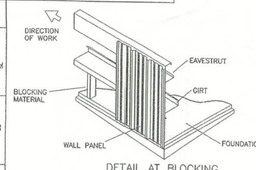
1. SQUARE AND PLUMB BUILDING PRIOR TO INSTALLATION OF WALL PANELS.
2. MARK FOUNDATION AT BASE LINE AT 3 FT. INCREMENTS FOR THE LENGTH OF THE SIDEWALL TO USE WHILE INSTALLING PANEL TO INSURE PANEL COVERAGE. REFER TO DETAIL AT FOUNDATION.
3. BLOCK GIRTS TO LEVEL. IF REQUIRED, PRIOR TO INSTALLATION OF PANELS. LEAVE BLOCKING INPLACE UNTIL PANEL INSTALLATION IS COMPLETE. REFER TO DETAIL AT BLOCKING.
4. REFER TO SIDEWALL PANEL INSTALLATION NOTES FOR PANEL INSTALLATION.
5. PRE DRILLING OF PANEL SIDELAP IS RECOMMENDED. REFER TO STANDARD DRAWING FOR RECOMMENDED FASTENER INSTALLATION.
6. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE ERECTION DRAWINGS AND OTHER DRAWINGS OF THIS SERIES.

RW0101-1



PANEL PROFILE and POSITION and PANEL TO FRAMING FASTENER SPACING AT GIRTS AND PANEL BASE MEMBER





DETAIL AT BLOCKING

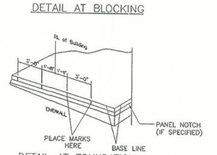
ENDWALL PANEL GENERAL NOTES:

1. SQUARE AND PLUMB BUILDING PRIOR TO INSTALLATION OF WALL PANELS.
2. MARK FOUNDATION AT BASE LINE AT 3 FT. INCREMENTS FOR THE WIDTH OF THE ENDWALL WHILE INSTALLING PANEL TO INSURE ALIGNMENT AND PANEL COVERAGE. REFER TO "DETAIL AT FOUNDATION" FOR MARK LOCATIONS.
3. BLOCK GIRTS TO LEVEL. IF REQUIRED, PRIOR TO INSTALLATION OF PANEL. LEAVE BLOCKING INPLACE UNTIL PANEL INSTALLATION IS COMPLETE. REFER TO "DETAIL AT BLOCKING"
4. REFER TO ENDWALL PANEL INSTALLATION NOTES FOR PANEL INSTALLATION.
5. PRE DRILLING OF PANEL SIDELAP IS RECOMMENDED. REFER TO STANDARD DRAWINGS FOR RECOMMENDED FASTENER INSTALLATION.
6. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE ERECTION DRAWINGS AND OTHER DRAWINGS OF THIS SERIES.

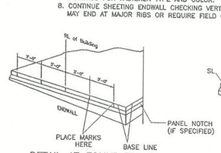
ENDWALL PANEL INSTALLATION NOTES:

1. ENDWALL START PANEL LOCATION FOR GABLE BLDG. CASE 1 IS LOCATED BY ALIGNING CENTER LINE OF PANEL WITH THE RIDGELINE OF THE BLDG. AS SHOWN IN ENDWALL START PANEL LOCATIONS.
2. ENDWALL START PANEL LOCATION FOR GABLE BLDG. CASE 2 IS LOCATED BY ALIGNING CENTER LINE OF THE MAJOR RIB WITH THE RIDGE LINE OF THE BLDG. AS SHOWN IN ENDWALL START PANEL LOC.
3. ENDWALL START PANEL LOCATION FOR SINGLE SLOPE ENDWALL IS LOCATED BY ALIGNING THE CENTER LINE OF THE MAJOR RIB WITH THE HIGH SIDE STEEL LINE AS SHOWN IN ENDWALL START PANEL LOCATIONS, SINGLE SLOPE ENDWALL.
4. REFER TO THE ERECTION DWGS FOR PANEL TYPE & CASE CONDITION OF YOUR ENDWALL.
5. INSTALL (2) FASTENERS PER PANEL THRU TO PANEL ANGLE TO TEMPORARILY HOLD PANEL IN PLACE UNTIL REMAINING FASTENERS CAN BE INSTALLED. REFER TO ERECTION DRAWINGS FOR FASTENER TYPE AND COLOR.
6. ATTACH PANEL TO FRAMING AT PANEL TO FRAMING FASTENER SPACING. REFER TO ERECTION DWGS. FOR FASTENER TYPE AND COLOR.
7. INSTALL NEXT PANEL LAPPING RIBS WITH PREVIOUSLY INSTALLED PANEL. SECURE PANEL TO PANEL AT LAPPED RIBS WITH FASTENERS AT STITCH FASTENER SPACING. REFER TO ERECTION DRAWINGS FOR FASTENER TYPE AND COLOR.
8. CONTINUE SHEETING ENDWALL CHECKING VERTICAL ALIGNMENT AND PANEL COVERAGE. PANEL MAY END AT MAJOR RIBS OR REQUIRE FIELD CUTTING. REFER TO ERECTION DWGS. FOR PANEL LAYOUT

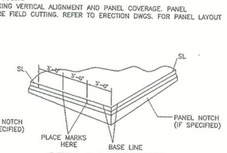
RW0102-1



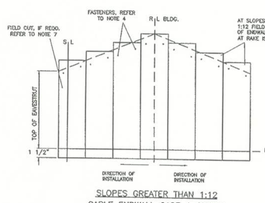
DETAIL AT FOUNDATION
AT GABLE BLDG. CASE 1



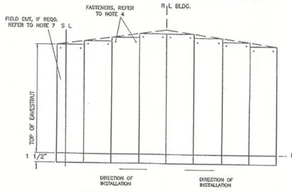
DETAIL AT FOUNDATION
AT GABLE BLDG. CASE 2



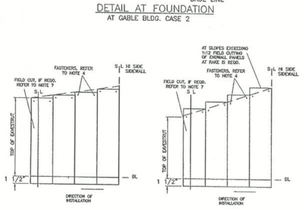
DETAIL AT FOUNDATION
AT SINGLE SLOPE BUILDING



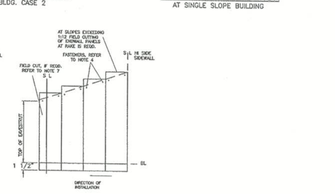
SLOPES GREATER THAN 1:12
GABLE ENDWALL CASE 1 SHOWN
FOR ACTUAL ENDWALL PANEL LAYOUT SEE THE ERECTION DRAWINGS



SLOPES LESS THAN OR EQUAL 1:12
GABLE ENDWALL CASE 2 SHOWN
FOR ACTUAL ENDWALL PANEL LAYOUT SEE THE ERECTION DRAWINGS



SLOPES LESS THAN OR EQUAL 1:12
SINGLE SLOPE ENDWALL SHOWN



SLOPES GREATER THAN 1:12
SINGLE SLOPE ENDWALL SHOWN

DRAWING ISSUE HISTORY

NO.	DATE	DESCRIPTION	DET	CKR	ENG
0					

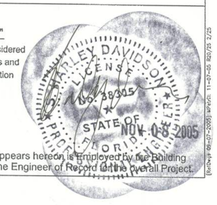
Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326

MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

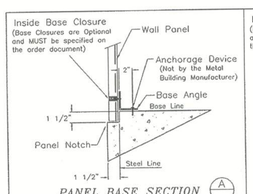
Buyer: Simque Construction
Owner: WAYNE HUDSON
Project Name: HUDSON III
Job Site Location: LAKE CITY FL.
Job Number: 22-6650
Drawing Issue: 0
Sheet Number: RW0102-1

DRAWING STATUS:
"FOR CONSTRUCTION "
These drawings are to be considered as Final Construction Drawings and are to be used for the construction and installation of the project.

The engineer whose seal appears hereon is employed by the Building Manufacturer and is NOT the Engineer of Record of the Overall Project.

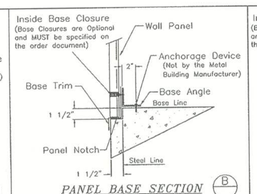


RW0103-1



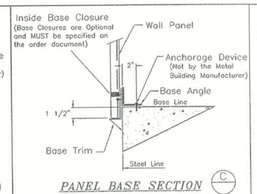
PANEL BASE SECTION (A)

Base Angle with Panel Notch



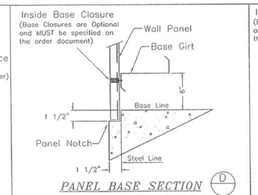
PANEL BASE SECTION (B)

Base Angle with Panel Notch and Base Trim



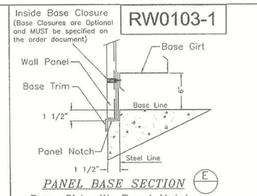
PANEL BASE SECTION (C)

Base Angle w/out Panel Notch and With Base Trim



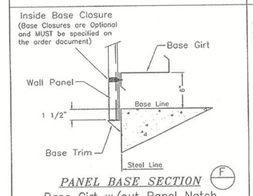
PANEL BASE SECTION (D)

Base Girt with Panel Notch



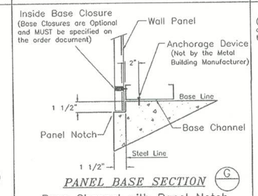
PANEL BASE SECTION (E)

Base Girt with Panel Notch and Base Trim



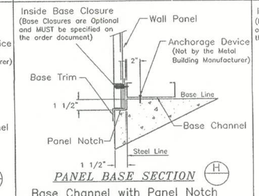
PANEL BASE SECTION (F)

Base Girt w/out Panel Notch and With Base Trim



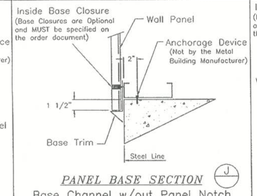
PANEL BASE SECTION (G)

Base Channel with Panel Notch



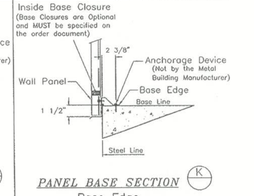
PANEL BASE SECTION (H)

Base Channel with Panel Notch and Base Trim



PANEL BASE SECTION (J)

Base Channel w/out Panel Notch



PANEL BASE SECTION (K)

Base Edge

BASE ANGLE INSTALLATION NOTES:

1. Base angle is furnished as a standard component of the building unless one of the optional panel base members is specified. Base angle is in standard lengths of 25 feet.
2. Base angle is omitted at all framed openings. See other reference drawings for base member cut outs.
3. Attach base angle to foundation. Consult anchorage device manufacturer for recommended fastening to safely resist a lateral load of 168 lbs/ft of base angle. Suggested minimum fastening is 1/4"ø X 1 1/4" drive pin or expansion bolt at 4'-0" o.c. Minimum edge distance is 2"

BASE GIRT INSTALLATION NOTES:

1. Base girt is furnished as an optional component of the building.
2. Web holes for clips and/or flange clips are provided in all frame and endwall columns and web holes for clips in framed opening jambs for attachment of base girt. Field drill holes for base girt attachment in fixed base columns.
3. In the case of personnel doors the base girt must be field cut at the door frame and either welded directly to the door frame or a clip must be welded to the door frame and a girt field drilled for a bolted connection.

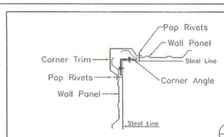
BASE EDGE INSTALLATION NOTES:

1. Base edge is furnished as an optional component of the building and if required must be specified on the purchase order. Base edge is in standard lengths of 20 feet.
2. Base edge is available in three different finishes, bronze, sandstone or aluminum. This selection must be specified on the purchase order.
3. Base edge is omitted at all framed openings. See other reference drawings for base member cut outs.
4. Attach base angle to foundation. Consult anchorage device manufacturer for recommended fastening to safely resist a lateral load of 168 lbs/ft of base angle. Suggested minimum fastening is 1/4"ø X 1 1/4" drive pin at 4'-0" o.c. Minimum edge distance is 2 3/8"
5. The aluminum base edge is to be field mitered at outside corners. The bronze or sandstone base edge is to be field cut at outside corners and then capped with a pre-formed, color matched corner member supplied with the order for each outside corner.
5. Base edge is to be field mitered at inside corners.
6. Base edge is to be field blocked at flush framed columns.

BASE CHANNEL INSTALLATION NOTES:

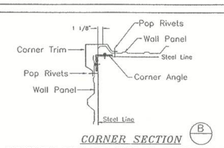
1. Base channel is furnished as an optional component of the building. Base channel is furnished in 25' lengths and is to be field cut to length.
2. Base channel is omitted at all framed openings. See other reference drawings for base member cut outs.
3. Attach base channel to foundation. Consult anchorage device manufacturer for recommended fastening to safely resist a lateral load of 168 lbs/ft of base angle. Suggested minimum fastening is 1/4"ø X 1 1/4" drive pin or expansion bolt at 4'-0" o.c. Minimum edge distance is 2"

RW0104-1



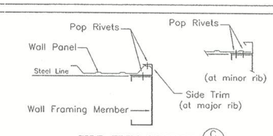
CORNER SECTION (A)

CORNER TRIM INSTALLATION WITH MAJOR RIBS AT THE STEEL LINE

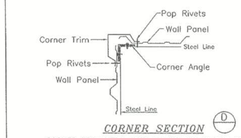


CORNER SECTION (B)

CORNER TRIM DETAIL WITH MINOR RIB AT THE STEEL LINE AND MAJOR RIB WITH MAXIMUM OFFSET AT THE OPPOSITE STEEL LINE

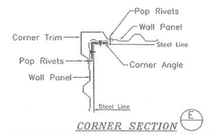


SIDE TRIM SECTION (C)



CORNER SECTION (D)

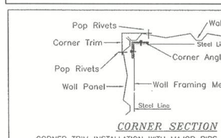
CORNER TRIM DETAIL WITH MAJOR RIB AT THE STEEL LINE AND A MINOR RIB AT THE OPPOSITE STEEL LINE



CORNER SECTION (E)

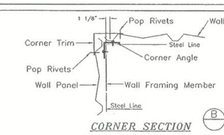
CORNER TRIM DETAIL WITH MINOR RIB AT EACH STEEL LINE

PBR Wall Panel Shown. PBU Wall Panel Similar.



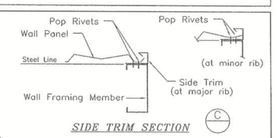
CORNER SECTION (A)

CORNER TRIM INSTALLATION WITH MAJOR RIBS AT THE STEEL LINE

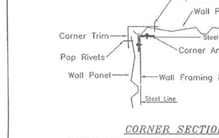


CORNER SECTION (B)

CORNER TRIM DETAIL WITH MINOR RIB AT THE STEEL LINE AND MAJOR RIB WITH MAXIMUM OFFSET AT THE OPPOSITE STEEL LINE

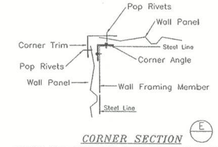


SIDE TRIM SECTION (C)



CORNER SECTION (D)

CORNER TRIM DETAIL WITH MAJOR RIB AT THE STEEL LINE AND A MINOR RIB AT THE OPPOSITE STEEL LINE



CORNER SECTION (E)

CORNER TRIM DETAIL WITH MINOR RIB AT EACH STEEL LINE

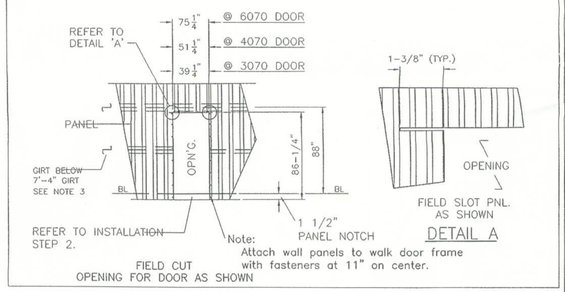
PBA Wall Panel Shown. PBX Wall Panel Similar.

RW0203-1

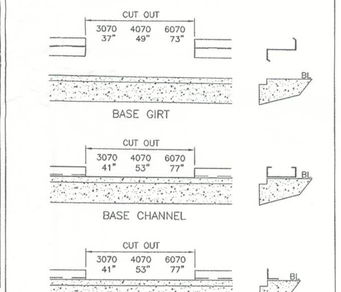
INSTALLATION NOTES

1. USING BILL OF MATERIALS AND REFERENCE DWGS. RW0201 or RW0202 LOCATE ALL MATERIALS REQ. TO INSTALL THE SIZE OF DOOR PROVIDED WITH THE ASSEMBLY.
2. AFTER DOOR LOCATION HAS BEEN ESTABLISHED FIELD CUT PANEL OPENING AS SHOWN IN INSTALLATION STEP 1 "PANEL PREPARATION.
3. REMOVE PANEL BASE ANCHORAGE MATERIAL TO DIMENSIONS SHOWN IN INSTALLATION STEP 2 "BASE MEMBER CUT OUT".
   A) IF BASE GIRT OR INTERMEDIATE GIRT IS PROVIDED, FIELD CUT AS NOTED AND ATTACH TO DOOR FRAME WITH SCREWS AT LOCATIONS SHOWN ON ERECTION DWGS.
4. ASSEMBLE DOOR FRAME WITH BOLTS PROVIDED IN KIT. SQUARE FRAME AND ATTACH HEAD TO GIRT WITH SELF-DRILLING SCREWS AS SHOWN IN SECTION B. NOTE: DOOR FRAME MUST BE CENTERED IN PANEL CUT OUT TO ALLOW TRIM INSTALLATION TO WORK. ATTACH BASE OF DOOR FRAME TO ANCHOR POINTS AS SHOWN IN SECTION 'A'.
5. SEE REF. DWG. RW0204 FOR TRIM INSTALLATION. INSTALL HEAD TRIM BEFORE SIDE TRIM. INSTALL TRIMS AS SHOWN IN TRIM ASSEMBLY.
6. INSTALL WEATHERSTRIP/THRESHOLD AND/OR CLOSER IF REQUIRED.

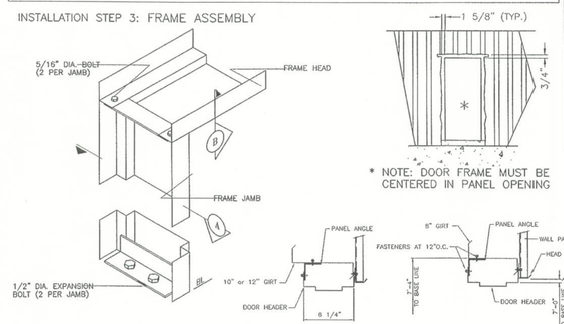
INSTALLATION STEP 1: PANEL PREPARATION



INSTALLATION STEP 2: BASE MEMBER CUT OUT



INSTALLATION STEP 3: FRAME ASSEMBLY

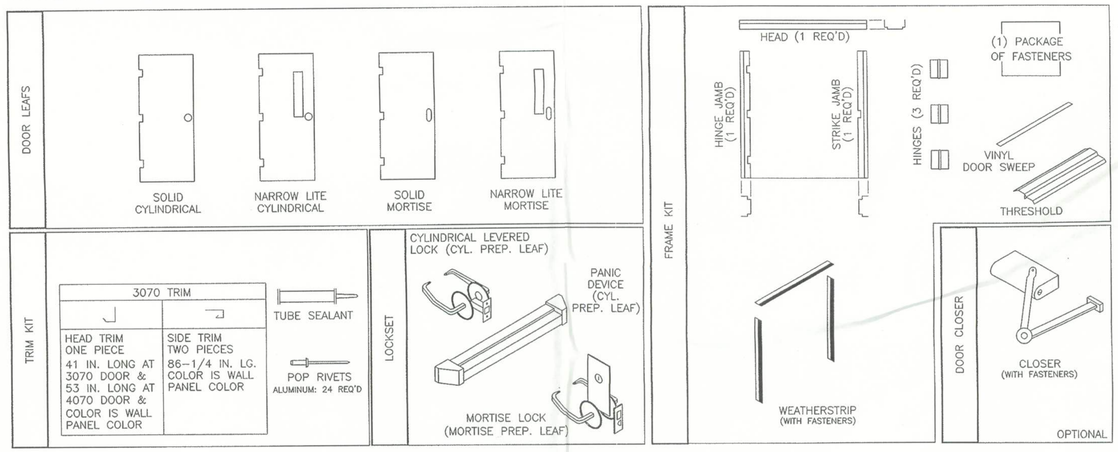


(B) SECTION B
DOOR FRAME TO ZEE GIRT

(A) SECTION A
ANCHOR BOLT PLAN

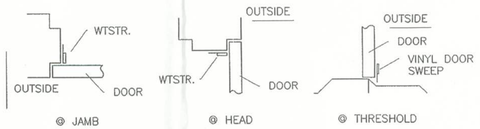
RW0201-0

MATERIAL REQUIREMENTS FOR 3070 AND 4070 DOORS



NOTES:

1. ALL PARTS FOR LOCKSET INSTALLATION NOT SHOWN. REFERENCE LOCKSET PACKAGE FOR INSTRUCTIONS.
2. THIS DRAWING IS TO BE USED WITH R06-03 & 04 FOR 3070 OR 4070 DOOR INSTALLATION.
3. REFERENCE BILL OF MATERIAL FOR ITEMS PROVIDED WITH THE ASSEMBLY.
4. GLASS FOR THE NARROW LITE DOORS IS NOT PROVIDED BY THE BUILDING MANUFACTURER AND MAY BE 1/8", 3/16" OR 1/4" THICK PLASTIC OR TEMPERED GLASS. THE ACTUAL SIZE REQUIRED IS 6 5/8" X 29 7/16".



* LOCATE WEATHERSTRIP AND THRESHOLD AS SHOWN.

DRAWING ISSUE HISTORY

NO.	DATE	DESCRIPTION	DET	CKR	ENG
0					

Mesco Building Solutions
P.O.Box 93629, Southlake, Texas 76092
Voice 817-488-8511 Fax 817-329-2326
MBMA METAL BUILDING MANUFACTURERS ASSOCIATION

Buyer: Simque Construction

Owner: WAYNE HUDSON

Project Name: HUDSON III

Job Site Location: LAKE CITY FL.

Job Number: 22-6650

Drawing Issue: 0

Sheet Number: RW0203-1

DRAWING STATUS:

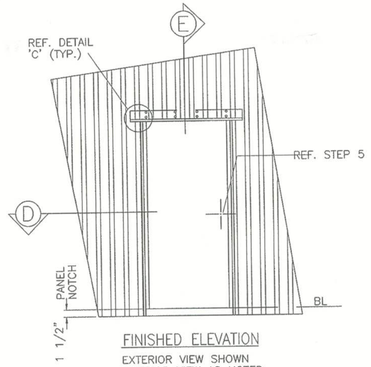
"FOR CONSTRUCTION "

These drawings are to be considered as Final Construction Drawings and are to be used for the construction and installation of the project.

The engineer whose seal appears hereon is Employed by the Building Manufacturer and is NOT the Engineer of Record for the Overall Project.

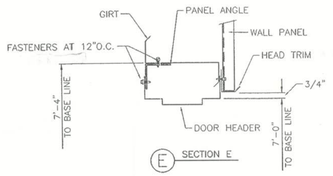
RW0204-0

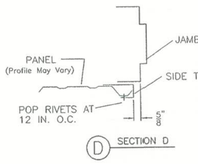
INSTALLATION STEP 4: TRIM ASSEMBLY

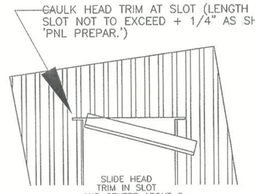


FINISHED ELEVATION

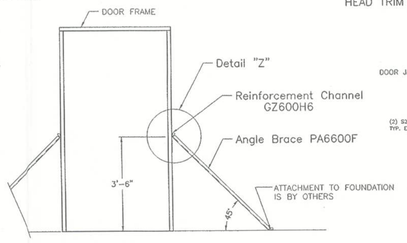
EXTERIOR VIEW SHOWN
INTERIOR VIEW AS NOTED



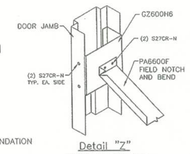




DETAIL C
HEAD TRIM INSTALLATION



"OPTIONAL" DOOR JAMB REINFORCEMENTS



Detail "Z"
TYPICAL AT EACH JAMB

INSTALLATION STEP 5: LOCKSETS

REFER TO INSTRUCTION PACKAGE PROVIDED WITH LOCKSETS FOR INSTALLATION.

NOTE: CYLINDRICAL PREP DOOR LEAF FOR USE WITH CYLINDRICAL LOCKSETS AND/OR PANIC DEVICE.

MORTISE PREP. DOOR LEAF FOR USE WITH MORTISE LOCKSETS ONLY.

INSTALLATION STEP 6: 6070 HARDWARE

6070 DOORS REQUIRE (1) ONE ACTIVE LEAF AND (1) INACTIVE LEAF. INACTIVE LEAF IS ALWAYS A CYLINDRICAL PREP. DOOR LEAF.

INSTALL CYLINDRICAL FILLER PLATE, ASTRAGAL, TOP AND BOTTOM SURFACE BOLTS TO INACTIVE LEAF.

SECTION THRU ASTRAGAL

DRAWING ISSUE HISTORY

NO.	DATE	DESCRIPTION	DET	CKR	ENG
0					

Mesco Building Solutions
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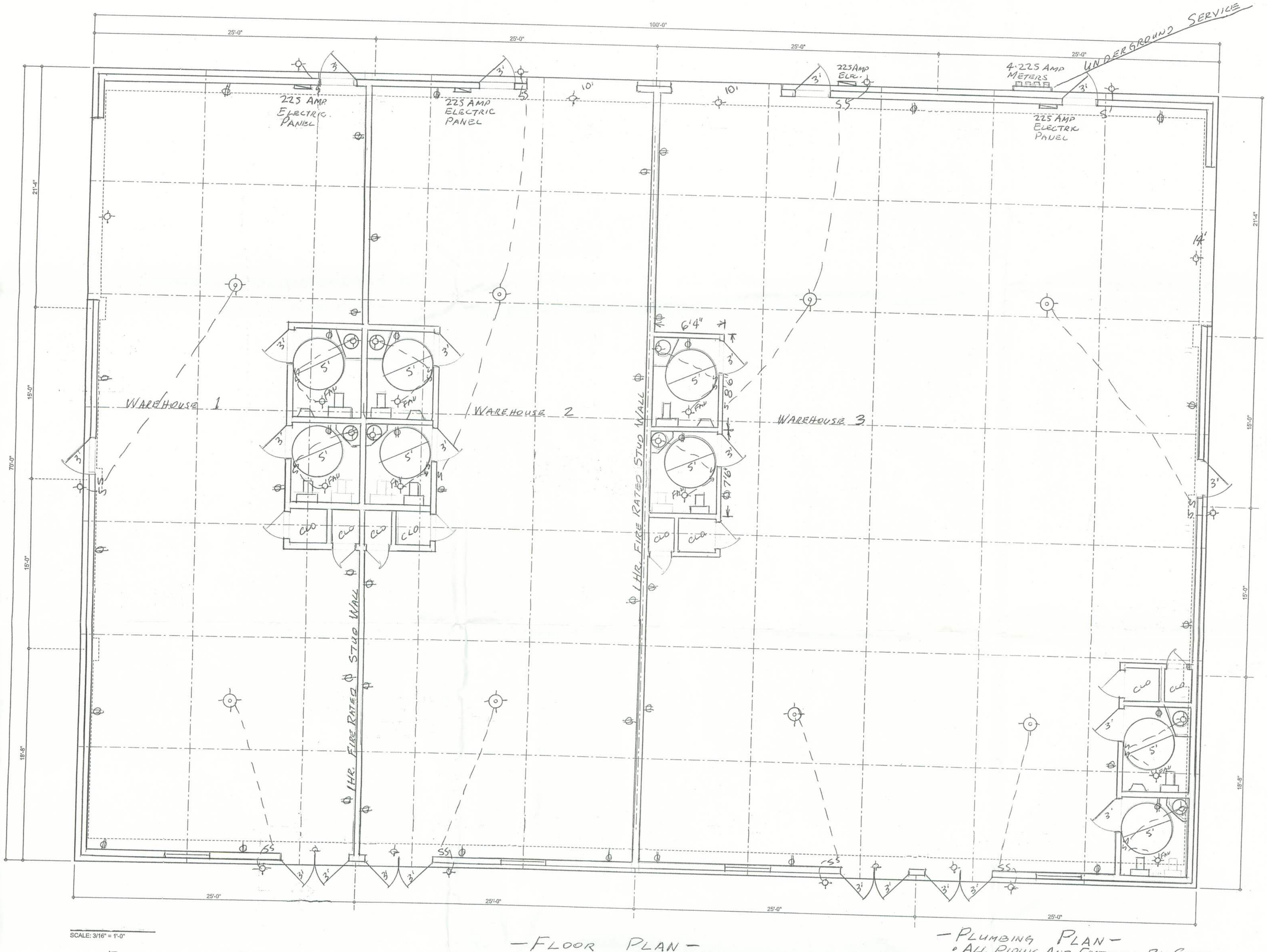
HARLEY DAVIDSON LICENSE NO. 38305 STATE OF FLORIDA NOV. 22, 20



SCALE: 3/16" = 1'-0"

— Electrical Plan —

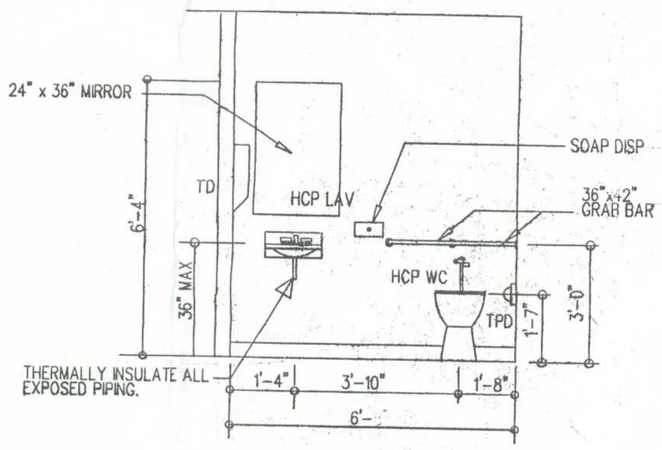
- All Overhead Lights Are Commercial Halagon.
- All Exit Doors Are Equipped With Lighted Signs And Emergency Lighting.
- Each Bathroom And Warehouse To Have Smoke Detector Alarms.
- Each Warehouse To Have Smoke Detectors, Alarms, And Fire Extingushrs In Each Corner,
- All Electric Outlets In Bathrooms And Warehouse To Be GFI

— Floor Plan —

- Bathroom Ciellings 8' High 5/8 Firerated Sheetrock
- All Doors Exit Out, Commercial Metal, See Contractor Door Schedule Handicap Accessible & Hardware
- All Windows By Code See Contractor Window Schedule

— Plumbing Plan —

- All Piping And Fixtures By Code



TYPICAL

TOILET ROOM ELEVATION

SCALE : 3/4" = 1' - 0"