

GENERAL NOTES

- CO BUILDING SYSTEMS/ GEM STANDARD PRODUCT SPECIFICATIONS APPLY AND UNLESS STIPULATED OTHERWISE IN THE CONTRACT DOCUMENTS, CO BUILDING SYSTEMS/ GEM DESIGN, FABRICATION, QUALITY CRITERIA STANDARDS AND TOLERANCES WILL GOVERN THE WORK. IN CASE OF DISCREPANCIES BETWEEN CO BUILDING SYSTEMS/ GEM STRUCTURAL PLANS AND PLANS FOR OTHER TRADES, CO BUILDING SYSTEMS/ GEM PLANS SHALL GOVERN.
- IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO OBTAIN APPROPRIATE APPROVALS AND NECESSARY PERMITS FROM CITY, COUNTY, STATE, OR FEDERAL AGENCIES, AS REQUIRED.
- APPROVAL OF CO BUILDING SYSTEMS/ GEM DRAWINGS CONSTITUTES THE BUILDER/CONTRACTOR'S ACCEPTANCE OF CO BUILDING SYSTEMS INTERPRETATION OF THE CONTRACT PURCHASE ORDER.
- FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF CO BUILDING SYSTEMS.
- CO BUILDING SYSTEMS/ GEM ASSUMES NO RESPONSIBILITY OR LIABILITY FOR FOUNDATION, FLOOR, OR SLAB DESIGN OR CONSTRUCTION.
- THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION. COLUMN FOOTINGS AND PIERS MUST BE DESIGNED TO WITHSTAND HORIZONTAL AND VERTICAL REACTIONS. REACTIONS ARE GIVEN IN KIPS (1 KIP = 1000 Lbs.)
- ALL COLUMN BASE PLATES SET AT FINISHED FLOOR (100'-0") UNLESS NOTED (U.N.) SEE DETAIL TEMPLATES ON ANCHOR BOLT PLAN.
- ALL ANCHOR BOLT LENGTHS ARE TO BE DETERMINED BY THE FOUNDATION DESIGNER. MATERIALS SHALL CONFORM TO ASTM 307 OR EQUAL.
- ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION. REFER TO ANCHOR BOLT SUMMARY TABLE ON ANCHOR BOLT PLAN FOR PROJECTION.
- | MATERIALS | ASTM DESIGNATION |
|--------------------------------|----------------------------|
| STRUCTURAL STEEL PLATE | |
| A529 OR A572 | FY=50 KSI (GRADE 50) |
| COLD FORMED LIGHT GAUGE SHAPES | |
| A570 | FY=55 KSI (GRADE 50) |
| BRACE CABLE | |
| A475 | E.H.S. EXTRA HIGH STRENGTH |
| ROOF AND WALL SHEETS | |
| A446 OR A792 | FY=50 KSI OR 80 KSI |
| HOT ROLLED MILL SHAPES | |
| A446 | FY=50 KSI (GRADE D) |
| BOLTS | |
| A307 OR A325 | A307 UNLESS NOTED |
- SHOP PRIMER IS A RUST INHIBITIVE PRIMER AND IS CO BUILDING SYSTEMS COLOR RED OXIDE. THIS PAINT IS NOT INTENDED FOR LONG TERM EXPOSURE TO THE ELEMENTS.
- A325 BOLT TIGHTENING REQUIREMENTS

ALL HIGH STRENGTH BOLTS ARE A325 UNLESS SPECIFICALLY NOTED OTHERWISE.

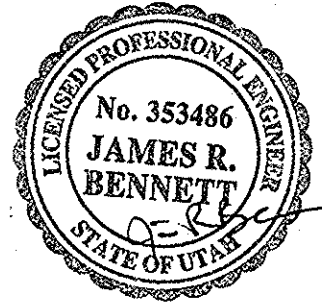
STRUCTURAL BOLTS SHALL BE TIGHTENED BY THE TURN OF THE NUT METHOD IN ACCORDANCE WITH THE NINTH EDITION, AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS". PER SECTION 8D.1, A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN OF THE NUT METHOD.

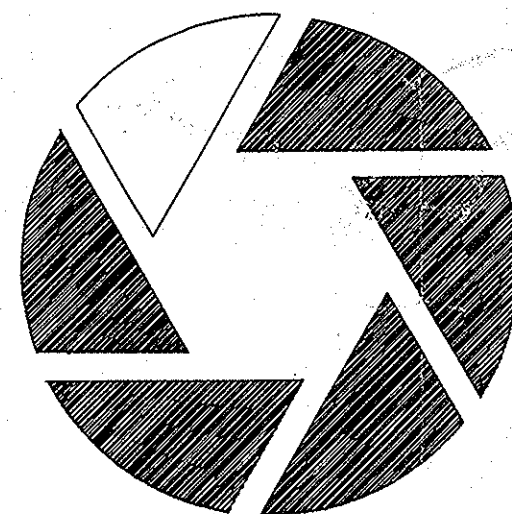
ALL HIGH STRENGTH BOLTS, EXCEPT AS NOTED OTHERWISE, ARE SUBJECT TO DIRECT TENSION AND MAY REQUIRE INSPECTION AS DEFINED BY THE APPLICABLE BUILDING CODE OR STANDARD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS.

DRAWING INDEX

SHEET	TITLE
1	ANCHOR BOLT PLAN
2	RIGID FRAME ELEVATION
3	RIGID FRAME ELEVATION
4	ROOF DRAWING
5	SIDEWALL FRAMING
6	SIDEWALL FRAMING
7	ENDWALL FRAMING
8	DETAIL PAGE

BUILDING INFORMATION

DESIGN PARAMETERS	COMMENTS
NOMINAL WIDTH: 140 feet	
LENGTH: 202.45 feet	
EAVE HEIGHT: 25.5 feet	
ROOF SLOPE: 0.5:12 feet	
FRAME TYPE:	
DESIGN LOADS	ENGINEER'S STAMP
BUILDING CODE: IBC 03	 MAY 25 2005
ROOF DEAD LOAD: 2 psf	
COLLATERAL LOAD: 3 psf	
LIVE LOAD: 20 psf	
SNOW LOAD: 30 psf	
WIND SPEED: 90 Exp: C	
DEAD LOAD: 2	
SEISMIC SITE CLASS: D	
BUILDING CATEGORY: II	
Sds: 0.95	
Sd1: 0.50	
MAX. CRANE CAPACITY: TYPE:	
MAX. BRIDGE WEIGHT:	
MAX. HOIST & TROLLY WEIGHT:	
MAX. RAIL & R.W. BEAM WEIGHT:	
SPECIFIED WHEEL BASE:	
SPECIAL LOADS: DRIFT AND MAXIMUM TOTAL SNOW LOADS	
FRONT SIDEWALL (3'-9" HIGH):	48.3 PSF DRIFT + 30 = 78.3 PSF
LEFT ENDWALL AT CORNER:	46.7 PSF DRIFT + 30 = 76.7 PSF
LEFT ENDWALL, 20' FROM SIDEWALL:	30.3 PSF DRIFT + 30 = 60.3 PSF
LEFT ENDWALL, 50' FROM SIDEWALL:	DRIFT NOT APPLICABLE WITH PARAPET HEIGHT= 1'-10" OR LESS



GEMTM

BUILDINGS

**FOR
CONSTRUCTION**

CUSTOMER: HAFB FIGHTER GALLERY

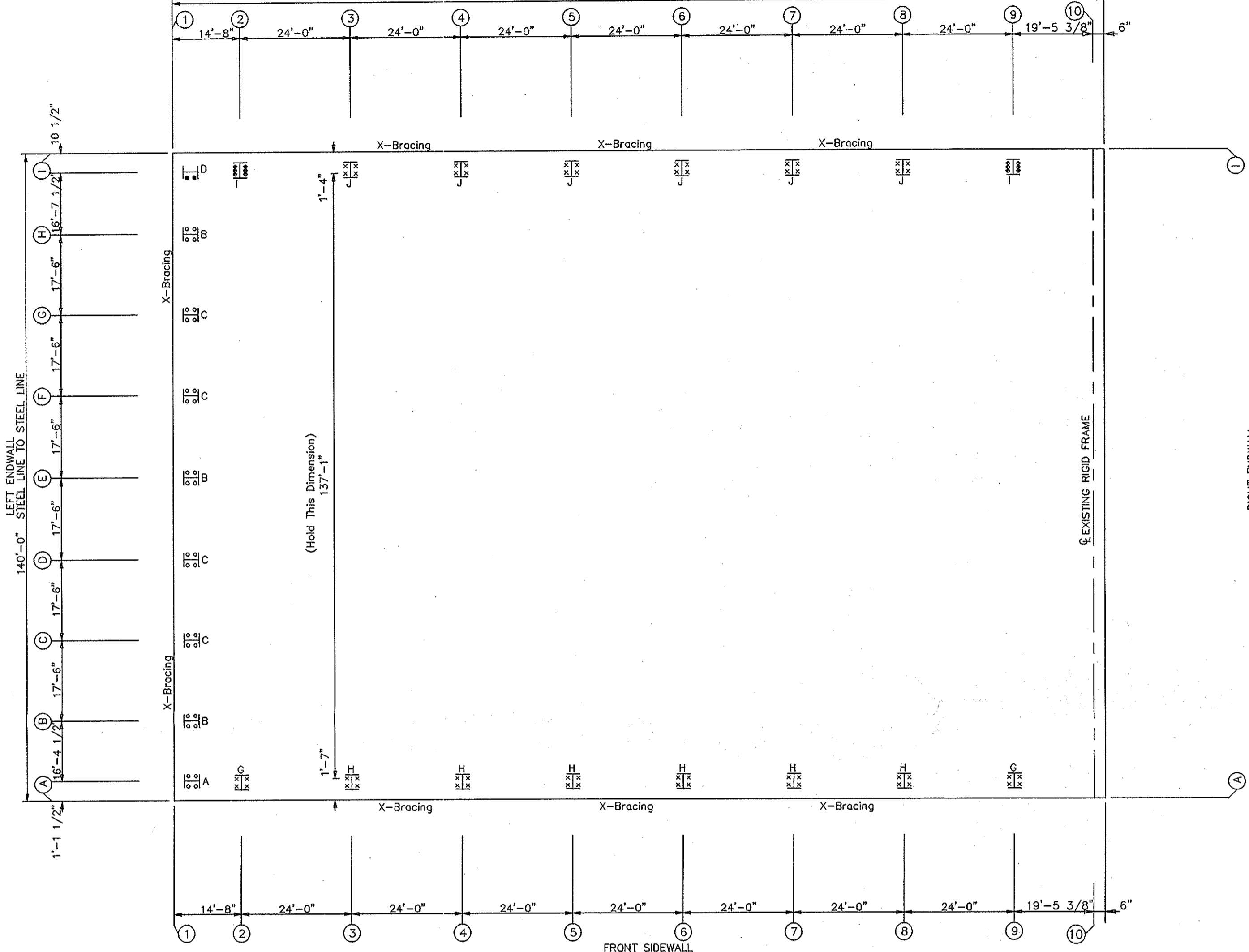
ADDRESS: 7961 WARDLEIGH RD.

OGDEN, UT 84056

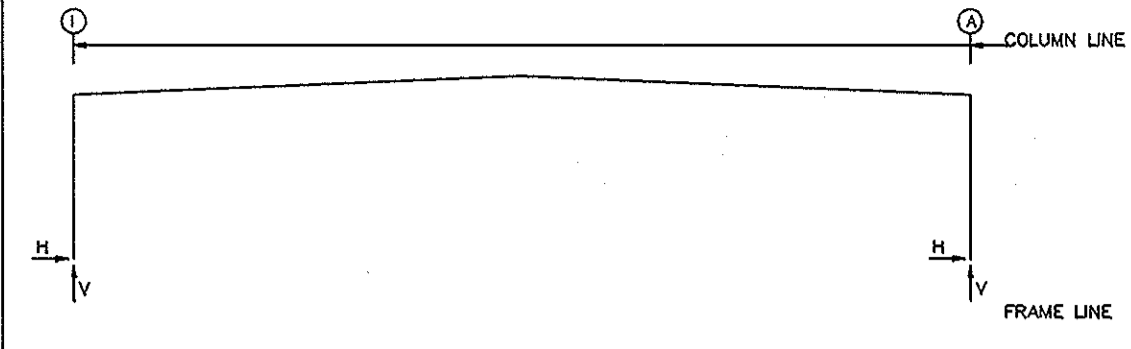
PROJECT: AIRCRAFT WAREHOUSE

JOB #: 504738

BACK SIDEWALL
202'-7 3/8" STEEL LINE TO STEEL LINE



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



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frame Line	Col Line	Load Id	Hmax	Vmax	Reactions (k)	Load Id	Hmin	Vmin	Anchor Bolt No	Dia (in)	Base Plate (in)	Grout (in)	
											Wid	Len	Thk
2*	I	1	61.3	63.2	2	-24.2	-24.5	6	1.250	8.000	16.75	0.500	0.0
2*	A	3	24.2	-24.5	1	-61.3	72.6	4	1.500	10.00	17.88	0.500	0.0
2* Frame lines: 2 9													

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frame Line	Col Line	Load Id	Hmax	Vmax	Reactions (k)	Load Id	Hmin	Vmin	Anchor Bolt No	Dia (in)	Base Plate (in)	Grout (in)	
											Wid	Len	Thk
3*	I	1	65.5	65.3	2	-26.5	-26.8	4	1.500	10.00	14.89	0.625	0.0
3*	A	3	26.4	-26.8	1	-65.5	76.3	4	1.500	10.00	15.40	0.625	0.0
3* Frame lines: 3 4 5 6 7 8													

ENDWALL COLUMN: MAXIMUM REACTIONS

Frame Line	Col Line	Load Id	Hmax	Vmax	Reactions (k)	Load Id	Hmin	Vmin
1	I	1	0.0	4.1	6	0.0	-1.4	
1	H	7	4.7	-2.2	8	-4.4	-3.4	
1	G	9	0.0	12.6	10	0.0	-4.2	
1	G	7	5.0	-1.9	8	-4.6	-3.0	
1	F	11	0.0	10.3	12	0.0	-4.4	
1	F	7	5.1	-2.0	8	-4.8	-3.1	
1	E	1	0.0	5.7	8	-4.9	-3.0	
1	E	7	5.5	-1.4	8	-4.9	-3.0	
1	D	1	0.0	5.3	8	-4.8	-3.1	
1	D	7	5.1	-2.9	8	-4.8	-3.1	
1	C	7	5.0	-3.0	8	-4.6	-3.0	
1	B	9	0.0	10.2	10	0.0	-4.4	
1	B	7	4.7	-3.4	8	-4.4	-3.4	
1	A	11	0.0	13.0	12	0.0	-4.2	
1	A	1	0.0	4.8	7	0.0	-1.3	

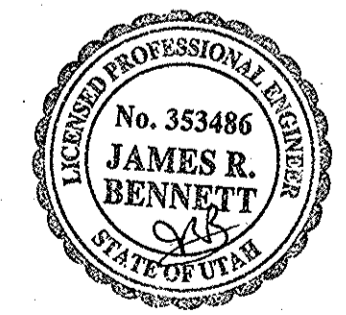
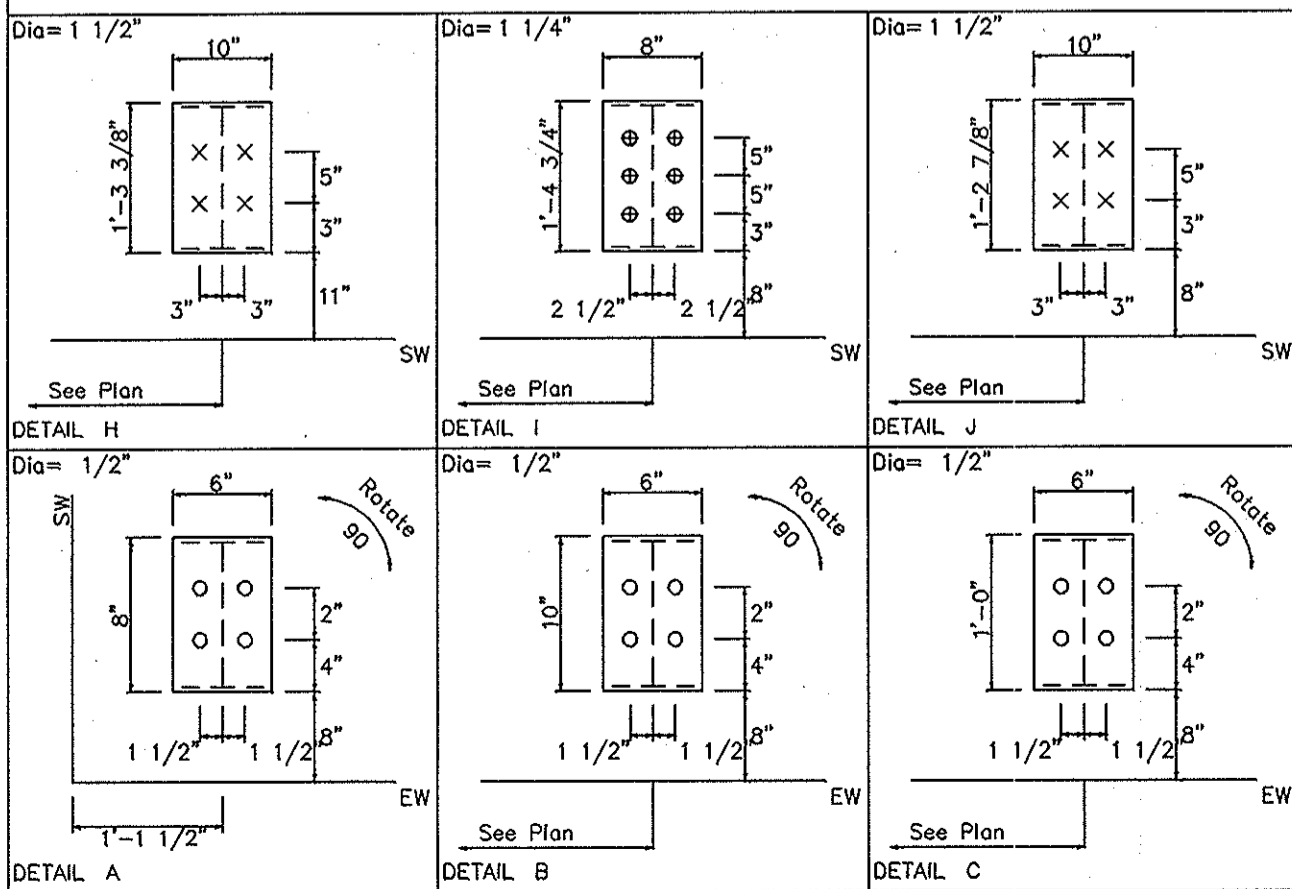
- NOTES FOR REACTIONS
- Building reactions are based on the following building data:
- Width (ft) = 140.0
 - Length (ft) = 202.4
 - Eave Height (ft) = 25.5/25.5
 - Roof Slope (rise/12) = 0.5/0.5
 - Dead Load (psf) = 2.0
 - Collateral Load (psf) = 3.0
 - Roof Live Load (psf) = 20.0
 - Frame Live Load (psf) = 12.0
 - Snow Load (psf) = 30.0
 - Wind Speed (mph) = 90.0
 - Wind Code = IBC 03
 - Exposure = C
 - Closed/Open = P
 - Importance - Wind = 1.00
 - Importance - Seismic = 1.00
 - Seismic Coeff (Fo/Sa) = 1.43

BRACING REACTIONS, PANEL SHEAR

Loc	Line	Col Line	± Reactions (k)	Panel Shear (lb/ft)
			Horz	Vert
L_EW	1	H	0.6	0.9
		G	0.6	0.9
		C	0.6	0.9
F_SW	A	3,4	4.1	4.0
		5,6	4.1	4.0
		7,8	4.1	4.0
R_EW	10	Existing	4.1	4.0
B_SW	I	8,7	4.1	4.0
		6,5	4.1	4.0
		4,3	4.1	4.0

ANCHOR BOLT SUMMARY

Qnt	Loc	Dia (in)	Proj (in)
0	32	EW	1/2"
88	2	EW	5/8"
6	12	RF	1/4"
X	56	RF	1/2"



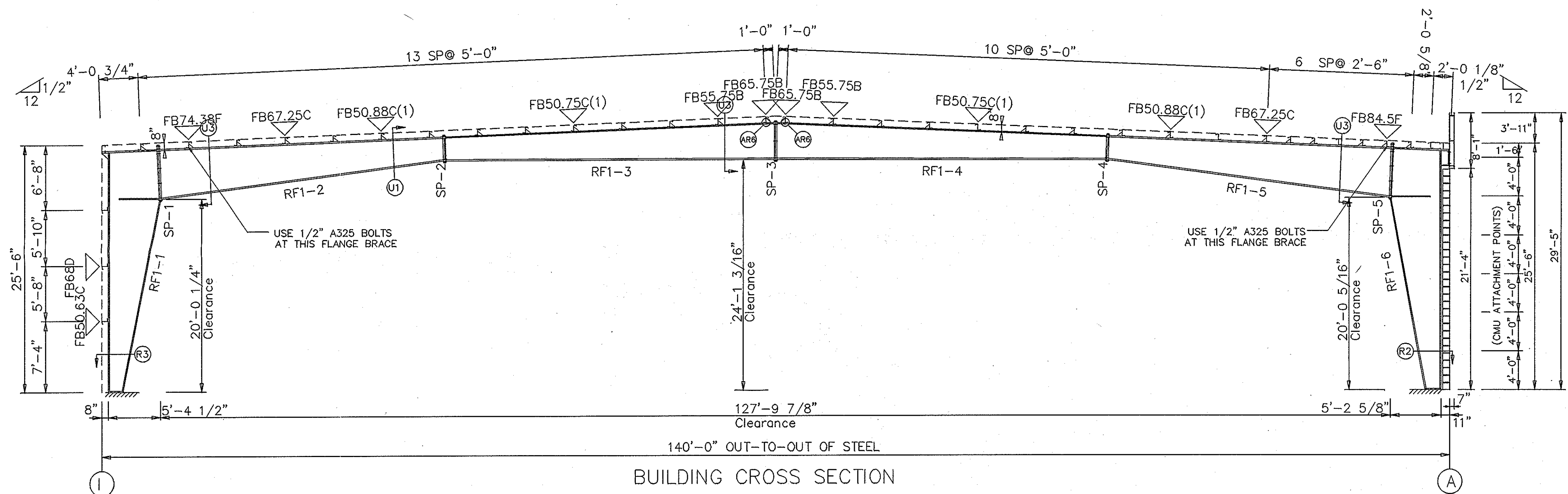
MAY 25 2005

HAFB FIGHTER GALLERY		JOB NO.	504738
ANCHOR BOLT PLAN		PROJECT	AIRCRAFT WAREHOUSE
DESIGN: JB DRAFT: BW CHECK:		ADDRESS	7961 WARDLEIGH RD.
DATE: 4/14/05			OGDEN, UT 84056
REVISION: 1		SHEET	1 OF 8

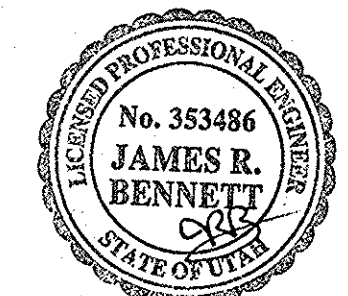
Splice Mark	Quan	Top/Bot/Int	Type	Bolt	
				Dia	Len
Sp-1	8	4	4	A325	1.250 3.50
Sp-2	4	4	0	A325	0.750 2.25
Sp-3	4	4	2	A325	1.000 2.75
Sp-4	4	4	0	A325	0.750 2.25
Sp-5	8	4	4	A325	1.250 3.50

FLANGE BRACES: Both Sides(U.N.)
 FBxxB(1): xx=length(in), (1)=one side
 B - L2x2x14G
 C - L2x2x1/8
 D - L252512G
 F - L3x3x316

PIECE	WEB DEPTH		WEB PLATE		OUTSIDE FLANGE		INSIDE FLANGE	
	START	END	THICK	LENGTH	W	T x LEN	W	T x LEN
RF1-1	15.7	44.9	0.313	144.0	8x3/8"	x240.0	8x5/8"	x216.1
	44.9	49.8	0.375	24.0	8x3/8"	x 57.3	8x5/8"	x 24.0
	49.8	63.5	0.375	131.9	8x1/2"	x 69.2		
RF1-2	59.5	53.4	0.375	67.0	8x3/8"	x223.0	8x3/4"	x223.9
	53.4	40.2	0.313	144.0	8x5/16"	x132.0	8x3/8"	x132.6
	40.2	27.0	0.313	144.0				
RF1-3	27.0	32.6	0.210	144.0	8x3/8"	x132.0	8x1/4"	x240.0
	32.6	38.2	0.188	144.0	8x5/8"	x168.0	8x1/4"	x171.4
	38.2	43.0	0.210	124.9	8x1/2"	x112.9		
RF1-4	43.0	38.2	0.210	125.3	8x1/2"	x113.3	8x1/4"	x171.8
	38.2	32.6	0.188	144.0	8x5/8"	x168.0	8x1/4"	x240.0
	32.6	27.0	0.210	144.0	8x3/8"	x132.0		
RF1-5	27.0	40.3	0.313	144.0	8x5/16"	x132.0	8x3/8"	x132.6
	40.3	53.5	0.313	144.0	8x3/8"	x221.6	8x3/4"	x222.5
	53.5	59.5	0.375	65.6				
RF1-6	61.5	48.7	0.375	131.9	10x3/8"	x 70.2	10x3/4"	x239.6
	48.7	44.1	0.375	24.0	10x3/8"	x 57.5		
	44.1	16.7	0.313	144.0	10x3/8"	x240.0		



BUILDING CROSS SECTION
 FOR FRAME LINE 2 9



MAY 2 5 2005

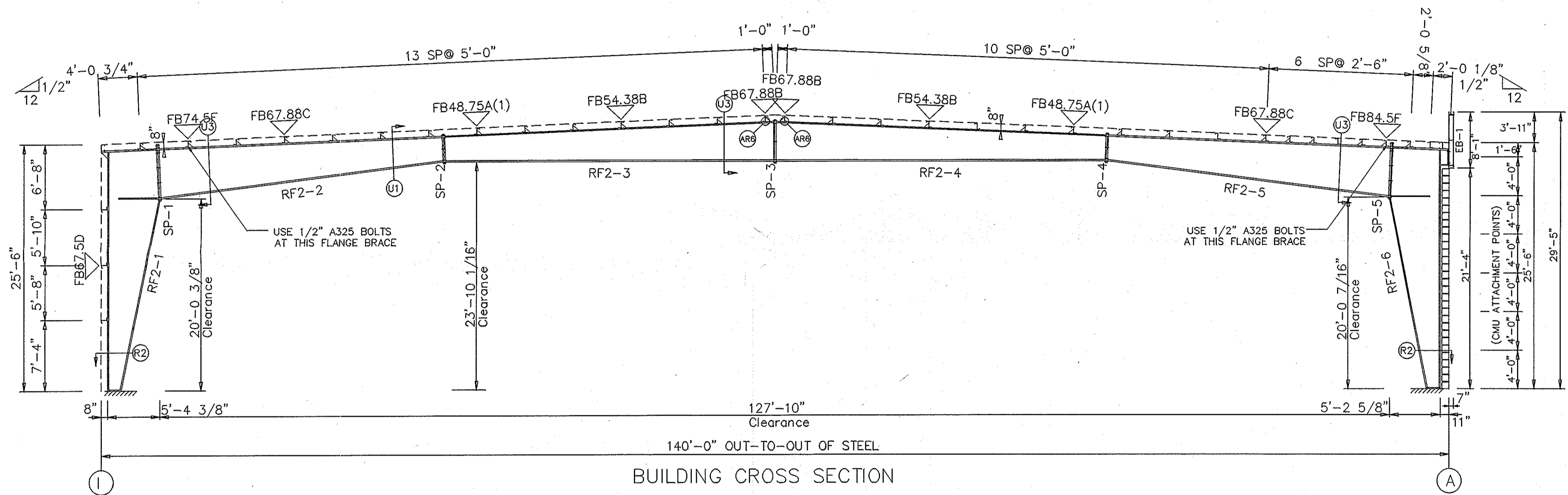
HAFB FIGHTER GALLERY		JOB NO.	504738
RIGID FRAME ELEVATION		PROJECT	AIRCRAFT WAREHOUSE
DESIGN: JB	DRAFT: BW	CHECK:	ADDRESS
DATE: 4/14/05		7961 WARDLEIGH RD.	
REVISION: 1		OGDEN, UT 84056	
		SHEET 2 OF 8	



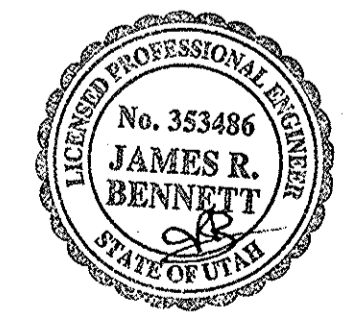
SPLICE BOLTS						
Splice Mark	Quan	Top/Bot/Int	Type	Bolt		
				Dia	Len	
Sp-1	8	4	4	A325	1.250	3.50
Sp-2	4	4	2	A325	0.750	2.25
Sp-3	4	4	2	A325	1.250	2.75
Sp-4	4	4	2	A325	0.750	2.25
Sp-5	8	4	4	A325	1.250	3.50

FLANGE BRACES: Both Sides(U.N.)
 FBxxA(1): xx=length(in), (1)=one side
 A - L2x2x16G
 B - L2x2x14G
 C - L2x2x1/8
 D - L252512G
 F - L3x3x316

PIECE	MEMBER SIZE TABLE (in)					
	WEB DEPTH		WEB PLATE		OUTSIDE FLANGE	
	START	END	THICK	LENGTH	W x T x LEN	INSIDE FLANGE W x T x LEN
RF2-1	14.0	19.0	0.375	24.0	10x3/8" x240.0	10x1/2" x216.7
	19.0	46.7	0.375	131.8	10x3/8" x 57.2	10x1/2" x 24.0
	46.7	63.5	0.375	144.0	10x1/2" x 69.2	
RF2-2	59.5	47.1	0.375	144.0	10x3/8" x240.0	10x5/8" x 79.2
	47.1	41.4	0.375	67.0	10x3/8" x115.0	10x1/2" x144.5
	41.4	29.0	0.313	144.0		10x3/8" x132.5
RF2-3	29.0	35.0	0.250	144.0	8x3/8" x132.0	8x1/4" x240.0
	35.0	41.0	0.210	144.0	8x5/8" x168.0	8x1/4" x171.3
	41.0	46.2	0.250	124.9	8x1/2" x112.9	
RF2-4	46.2	41.0	0.250	125.3	8x1/2" x113.3	8x1/4" x171.7
	41.0	35.0	0.210	144.0	8x5/8" x168.0	8x1/4" x240.0
	35.0	29.0	0.250	144.0	8x3/8" x132.0	
RF2-5	29.0	41.4	0.313	144.0	10x3/8" x113.6	10x3/8" x132.5
	41.4	47.1	0.375	65.6	10x3/8" x240.0	10x1/2" x144.5
	47.1	59.5	0.375	144.0		10x5/8" x 77.8
RF2-6	61.5	47.9	0.375	131.8	10x1/2" x 70.2	10x3/4" x 81.5
	47.9	43.0	0.375	24.0	10x3/8" x 57.3	10x1" x158.7
	43.0	14.0	0.313	144.0	10x3/8" x240.0	



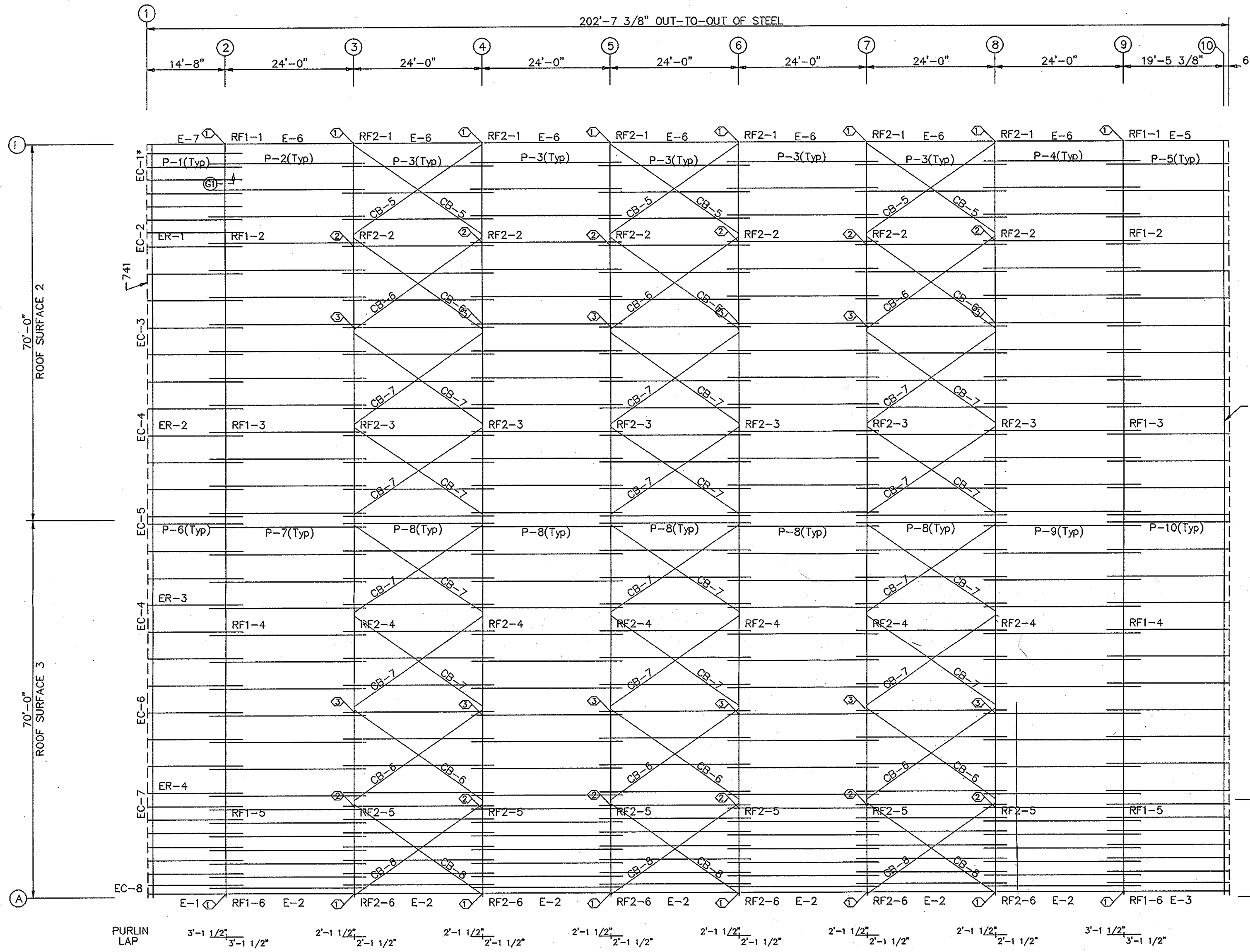
BUILDING CROSS SECTION
 FOR FRAME LINE 3 4 5 6 7 8



MAY 25 2005

HAFB FIGHTER GALLERY		JOB NO.	504738
RIGID FRAME ELEVATION		PROJECT	AIRCRAFT WAREHOUSE
DESIGN:JB DRAFT:BW CHECK:		ADDRESS	7961 WARDLEIGH RD.
DATE: 4/14/05			OGDEN, UT 84056
REVISION:1			SHEET 3 OF 8





MEMBER TABLE ROOF PLAN			
QUAN	MARK	PART	LENGTH
18	P-1	Z825_14	17'-9 1/2"
14	P-2	Z825_14	29'-3"
70	P-3	Z825_14	28'-3"
14	P-4	Z825_14	29'-3"
14	P-5	Z825_14	23'-0 7/8"
18	P-6	Z825_14	17'-9 1/2"
18	P-7	Z825_14	29'-3"
90	P-8	Z825_14	28'-3"
18	P-9	Z825_14	29'-3"
18	P-10	Z825_14	23'-0 7/8"
1	E-1	E845_14	14'-7 3/4"
7	E-2	E845_14	23'-11 1/2"
1	E-3	E845_14	19'-11 1/8"
1	E-5	E845_14	19'-11 1/8"
7	E-6	E845_14	23'-11 1/2"
1	E-7	E845_14	14'-7 3/4"
6	CB-5	0.38_CBL	27'-3 3/4"
12	CB-6	0.31_CBL	27'-4"
24	CB-7	0.25_CBL	27'-4"
6	CB-8	0.38_CBL	27'-2"

SPECIAL BOLTS ROOF PLAN					
Ø ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A325	1/2"	1 1/4"	0
2	2	A325	5/8"	1 1/4"	0
3	2	A325	1/2"	1 1/4"	0

NOTE: FIELD DRILL PURLINS AND EAVE STRUTS AT EXISTING FRAME LINE. FIELD SHORTEN EAVE STRUTS AND PURLINS AS NEEDED

FIELD WELD PURLIN CLIPS AS NEEDED.

ROOF SHEETING
PANELS: 26 Ga. PBR (BY GEM)

ROOF FRAMING PLAN

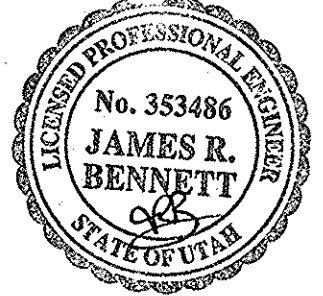
GENERAL NOTES:

- STANDARD CONNECTION FOR ALL ROOF PURLINS TO FRAMES ARE 2 EA. 1/2" A307 BOLTS. STANDARD CONNECTION FOR EAVE STRUTS TO FRAMES ARE 2 EA. 1/2" A325 BOLTS. **EXCEPTIONS TO THAT WILL BE NOTED IN A BOLT TABLE AT THE UPPER RIGHT CORNER OF THIS DWG.** IT IS THE RESPONSIBILITY OF THE CONTRACTOR/ERECTOR TO INSURE THAT ALL BOLT GRADES, DIAMETERS, AND QUANTITIES ARE LOCATED AND INSTALLED AS SPECIFIED.
- SEE DETAILS S49, S50, S51, S52, AND S53 BEFORE INSTALATION OF ROOF PANELS
- SEAL ALL TRIM LAPS AS NECESSARY TO INSURE WEATHERTIGHTNESS.

HAFB FIGHTER GALLERY
ROOF FRAMING
DESIGN: JB DRAFT: BW CHECK:
DATE: 4/14/05
REVISION: 1



JOB NO. 504738
PROJECT AIRCRAFT WAREHOUSE
ADDRESS 7961 WARDLEIGH RD.
OGDEN, UT 84056
SHEET 4 OF 8

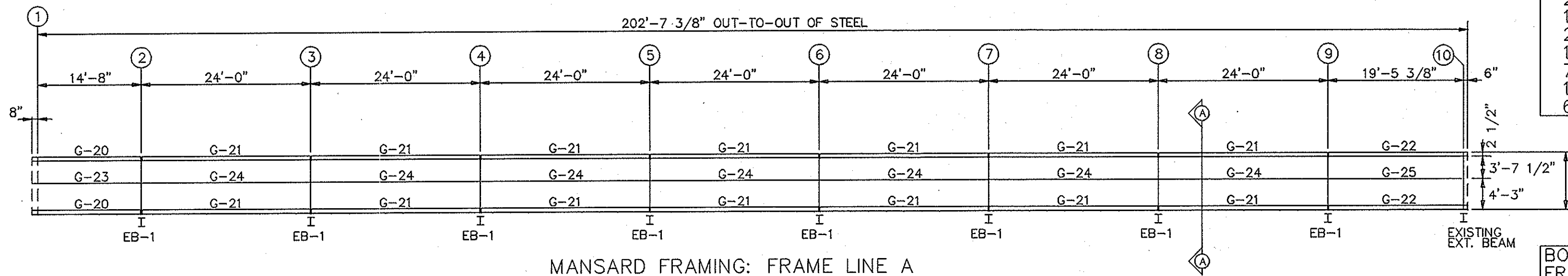


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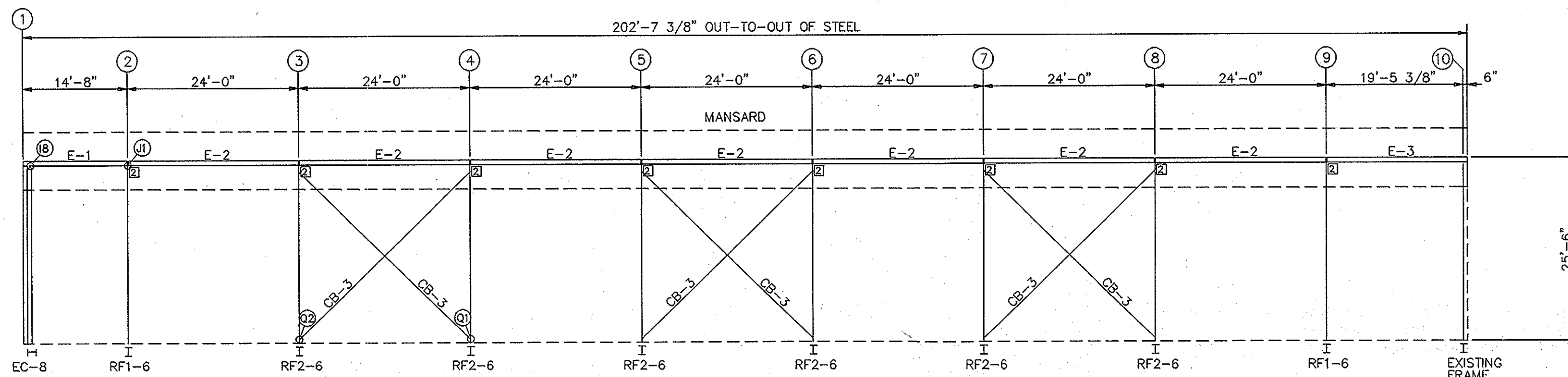
MEMBER TABLE FRAME LINE A			
QUAN	MARK	PART	LENGTH
8	EB-1	08B12	7'-8"
1	E-1	E845_14	14'-7 3/4"
7	E-2	E845_14	23'-11 1/2"
1	E-3	E845_14	19'-11 1/8"
2	G-20	C825_16	15'-3 3/4"
14	G-21	C825_16	23'-11 1/2"
2	G-22	C825_16	19'-11 1/8"
1	G-23	Z825_16	15'-1 1/4"
7	G-24	Z825_14	23'-6 1/2"
1	G-25	Z825_14	18'-11 7/8"
6	CB-3	0.44_CBL	31'-9 3/4"

CONNECTION PLATES FRAME LINE A		
ID	MARK/PART	
2	ESP	

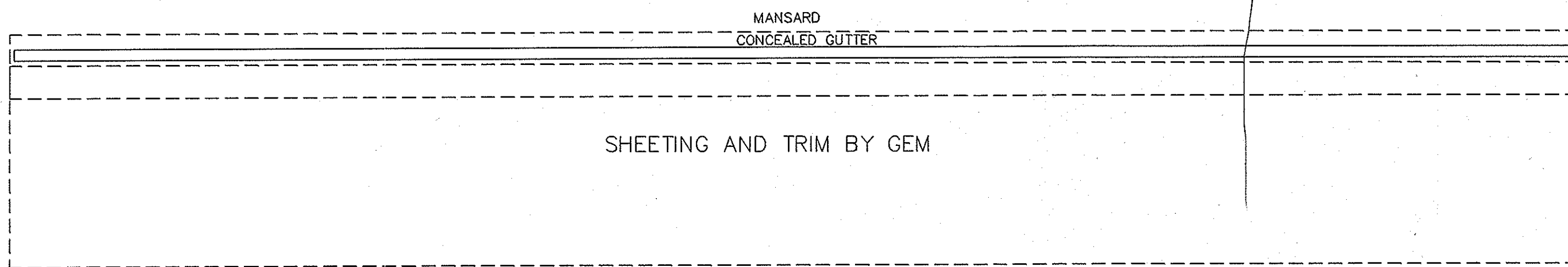
BOLT TABLE FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
EXT. BEAMS	4	A325	1/2"	1 1/2"



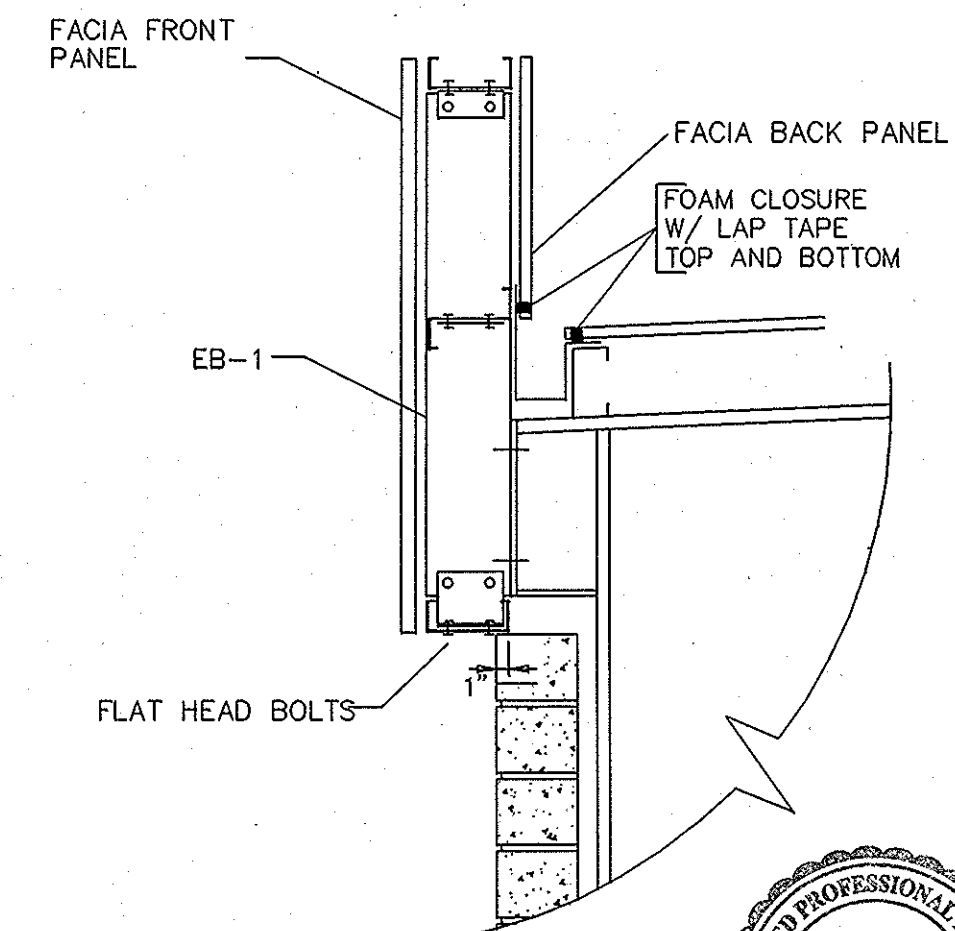
MANSARD FRAMING: FRAME LINE A



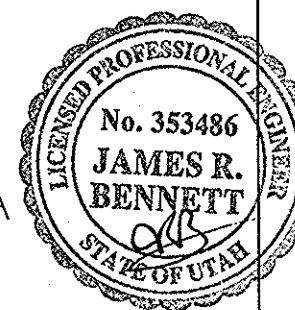
SIDEWALL FRAMING: FRAME LINE A



SIDEWALL SHEETING & TRIM: FRAME LINE A



DETAIL AA



GENERAL NOTES:

CO BUILDING SYSTEMS/ GEM RECOMENDS THAT AT LEAST ONE BRACED BAY BE INSTALLED PRIOR TO OTHER FRAME LINES. THIS INCLUDES EAVE STRUTS, PURLIN STRUTS AND BRACE CABLE OR ROD OVER THE COMPLETE BAY. FAILURE TO DO SO MAY RESULT SERIOUS DAMAGE TO THE STRUCTURE OR OTHER PERSONS.

HAFB FIGHTER GALLERY	
SIDEWALL FRAMING	
DESIGN: JB	DRAFT: BW CHECK:
DATE: 4/14/05	
REVISION: 1	



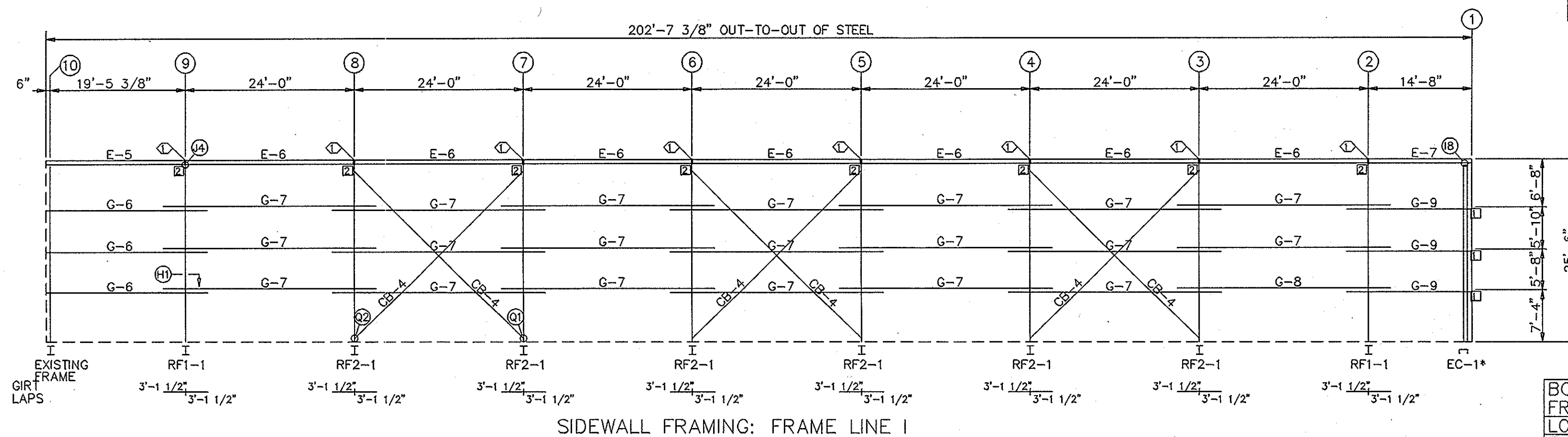
JOB NO.	504738
PROJECT	AIRCRAFT WAREHOUSE
ADDRESS	7961 WARDLEIGH RD. OGDEN, UT 84056
SHEET 5 OF 8	

MAY 25 2005

MEMBER TABLE FRAME LINE 1			
QUAN	MARK	PART	LENGTH
1	E-5	E845_14	19'-11 1/8"
7	E-6	E845_14	23'-11 1/2"
1	E-7	E845_14	14'-7 3/4"
3	G-6	Z825_14	23'-0 7/8"
20	G-7	Z825_16	30'-3"
1	G-8	Z825_14	30'-3"
3	G-9	Z825_16	17'-9 1/2"
6	CB-4	0.44_CBL	31'-9 1/2"

SPECIAL BOLTS					
Q ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A325	1/2"	1 1/4"	0

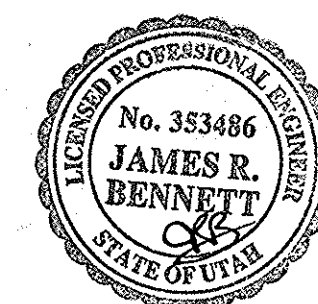
CONNECTION PLATES FRAME LINE 1	
Q ID	MARK/PART
1	ESP-N
2	ESP



BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
EXT. BEAMS	4	A325	1/2"	1 1/2"

SHEETING AND TRIM BY GEM

SIDEWALL SHEETING & TRIM: FRAME LINE 1



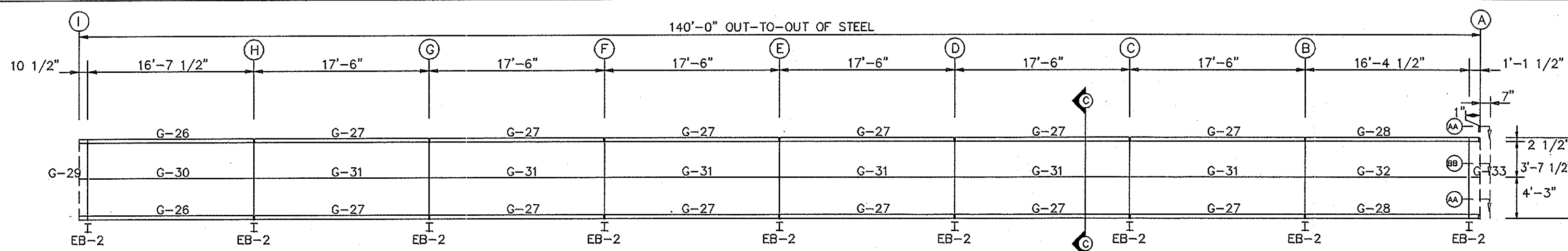
MAY 25 2005

GENERAL NOTES:

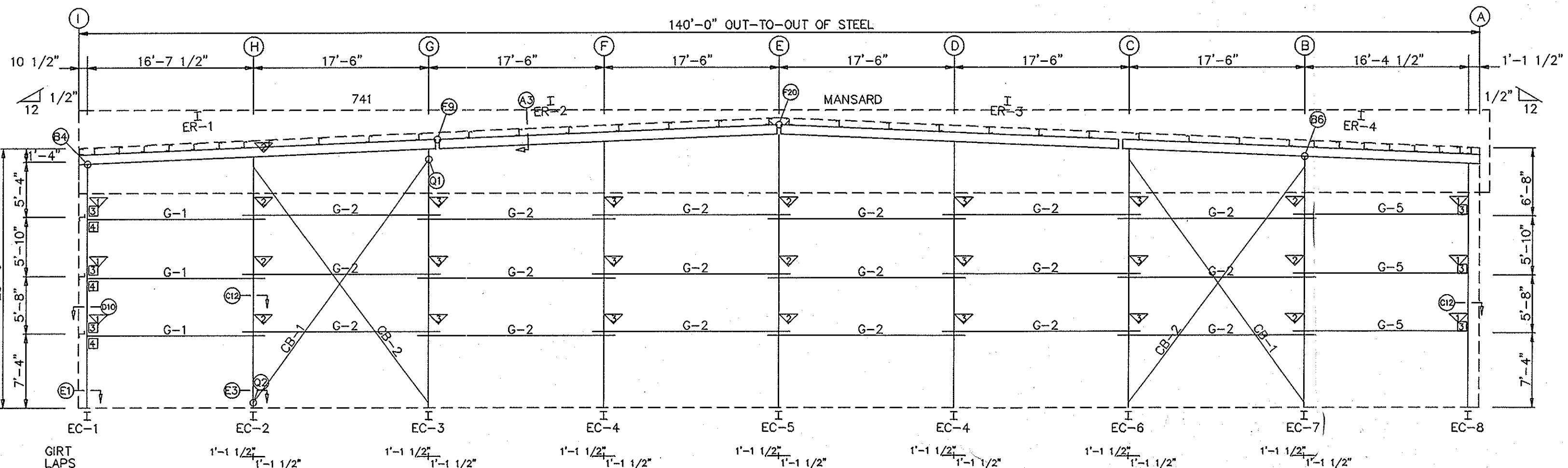
CO BUILDING SYSTEMS/ GEM RECOMENDS THAT AT LEAST ONE BRACED BAY BE INSTALLED PRIOR TO OTHER FRAME LINES. THIS INCLUDES EAVE STRUTS, PURLIN STRUTS AND BRACE CABLE OR ROD OVER THE COMPLETE BAY. FAILURE TO DO SO MAY RESULT SERIOUS DAMAGE TO THE STRUCTURE OR OTHER PERSONS.

HAFB FIGHTER GALLERY		JOB NO.	504738
SIDEWALL FRAMING		PROJECT	AIRCRAFT WAREHOUSE
DESIGN: JB	DRAFT: BW	CHECK:	7961 WARDLEIGH RD.
DATE: 4/14/05			OGDEN, UT 84056
REVISION: 1			SHEET 6 OF 8

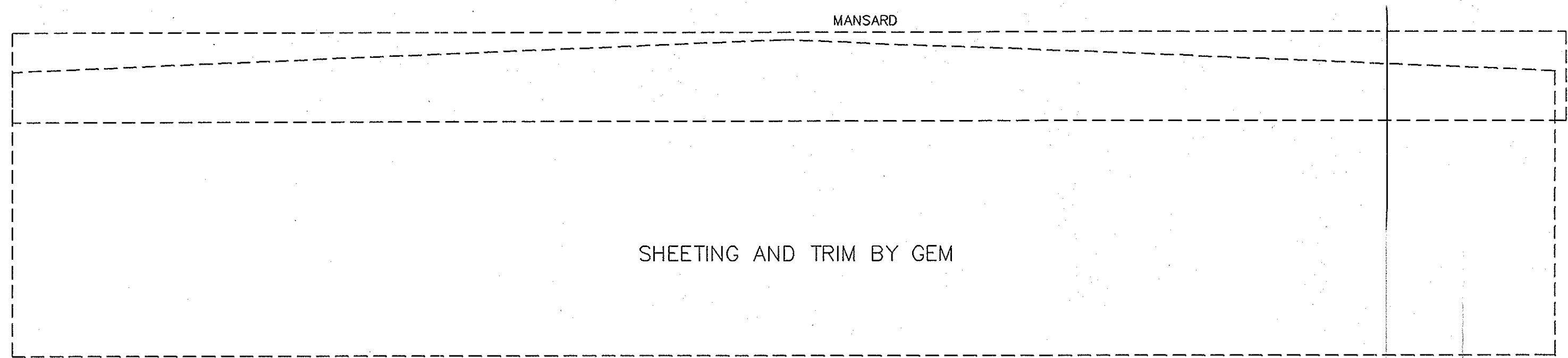




MANSARD FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 1



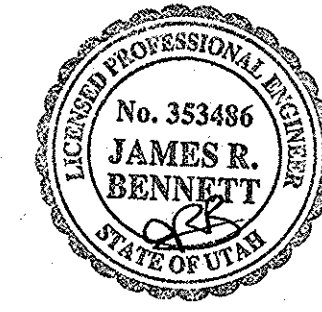
ENDWALL SHEETING & TRIM: FRAME LINE 1

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

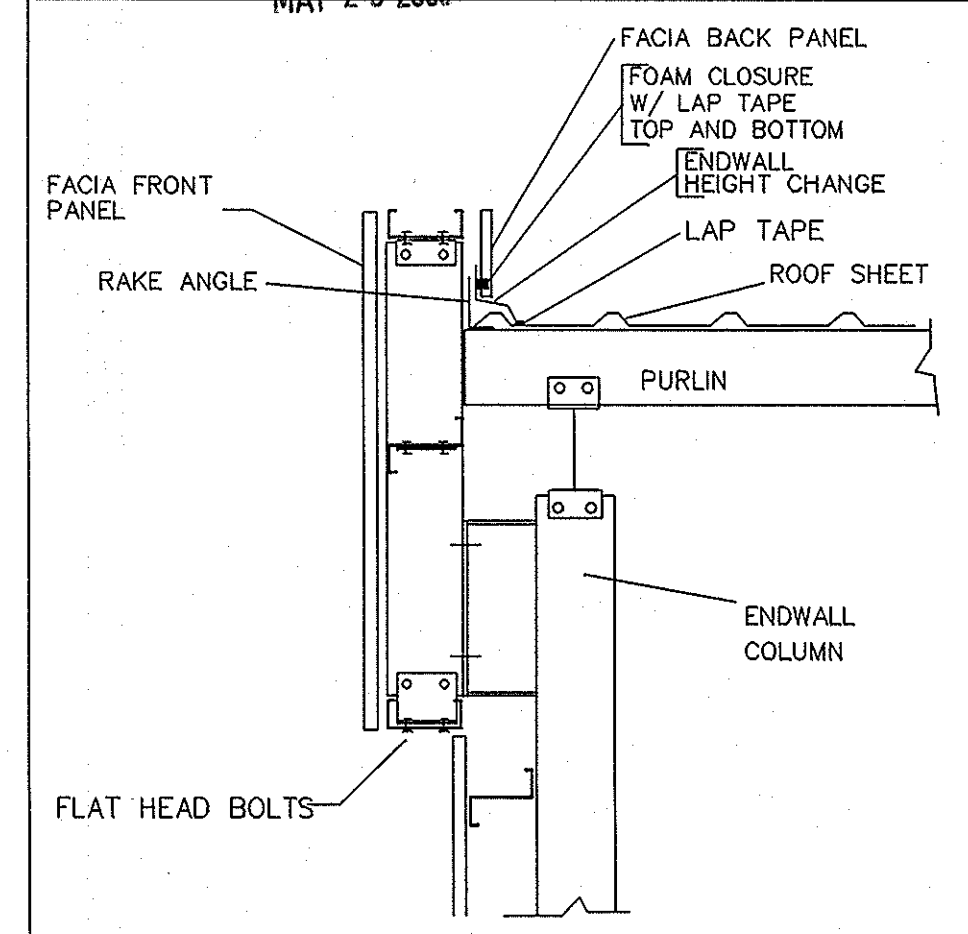
MEMBER TABLE				
FRAME LINE 1				
QUAN	MARK	PART	LENGTH	
9	EB-2	08B12	7'-8"	
1	EC-1	08B12	24'-2 3/16"	
1	EC-2	10B13	24'-10 1/2"	
1	EC-3	12B14	25'-7 1/4"	
2	EC-4	12B14	26'-4"	
1	EC-5	10B14	27'-0 3/4"	
1	EC-6	12B14	25'-7 1/4"	
1	EC-7	10B13	24'-10 1/2"	
1	EC-8	08B12	24'-2 5/16"	
1	ER-1	08B12	35'-10 11/16"	
1	ER-2	08B12	34'-2 1/16"	
1	ER-3	08B12	34'-2"	
1	ER-4	08B12	35'-10 11/16"	
3	G-1	Z825_16	17'-11 1/2"	
18	G-2	Z825_16	19'-9"	
3	G-5	Z825_16	18'-7 1/2"	
2	G-26	C825_16	17'-5 3/4"	
12	G-27	C825_16	17'-5 1/2"	
2	G-28	C825_16	17'-4 3/4"	
1	G-29	Z825_16	7 3/4"	
1	G-30	Z825_16	16'-2"	
6	G-31	Z825_16	17'-0 1/2"	
1	G-32	Z825_16	15'-11"	
1	G-33	Z825_16	9 3/4"	
2	CB-1	0.31_CBL	28'-9 1/2"	
2	CB-2	0.31_CBL	28'-2 1/2"	

FLANGE BRACE TABLE		
FRAME LINE 1		
VID	MARK	LENGTH
1	FB15.38	1'-3 3/8"
2	FB16.63	1'-4 5/8"
3	FB18.13	1'-6 1/8"

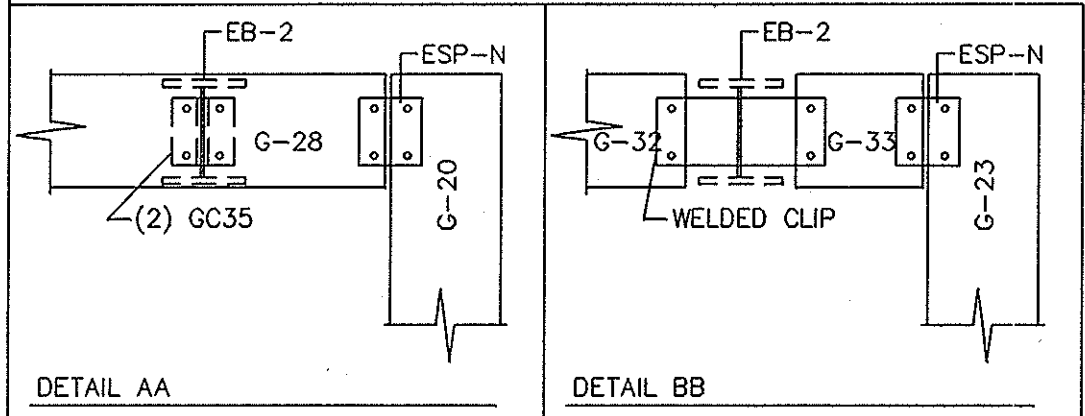
CONNECTION PLATES		
FRAME LINE 1		
QID	MARK/PART	
3	GEB	
4	ESP-N	



MAY 25 2005



DETAIL CC

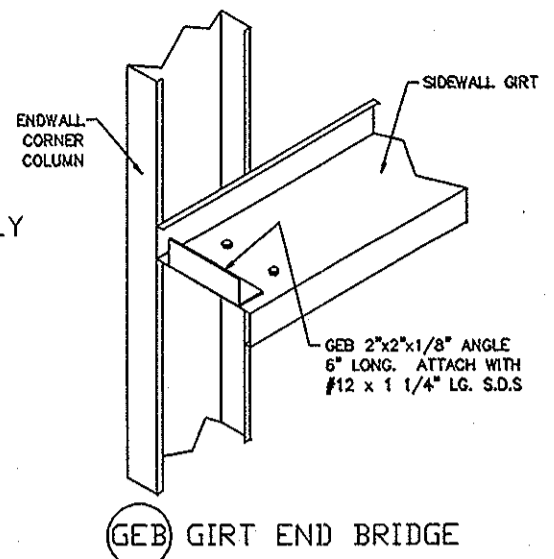


HAFB FIGHTER GALLERY
 ENDWALL FRAMING
 DESIGN: JB DRAFT: BW CHECK:
 DATE: 4/14/05
 REVISION: 1

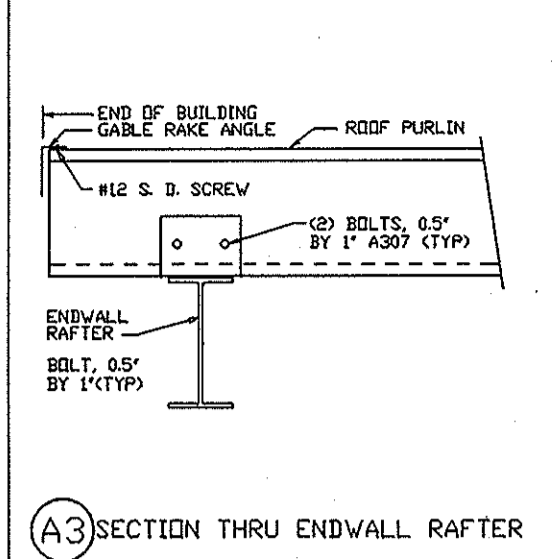


JOB NO. 504738
 PROJECT AIRCRAFT WAREHOUSE
 ADDRESS 7961 WARDLEIGH RD.
 OGDEN, UT 84056
 SHEET 7 OF 8

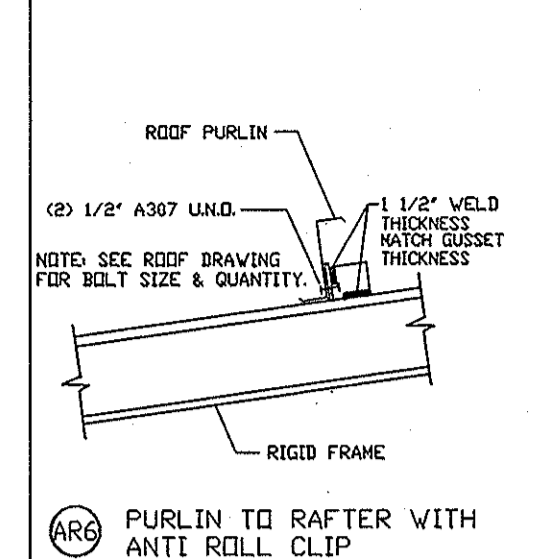
FOLLOWING DETAILS ARE INTENDED TO ILLUSTRATE DIFFERENT ASSEMBLY CONNECTIONS. NOT ALL DETAILS ARE PERTINENT TO THIS SPECIFIC PROJECT



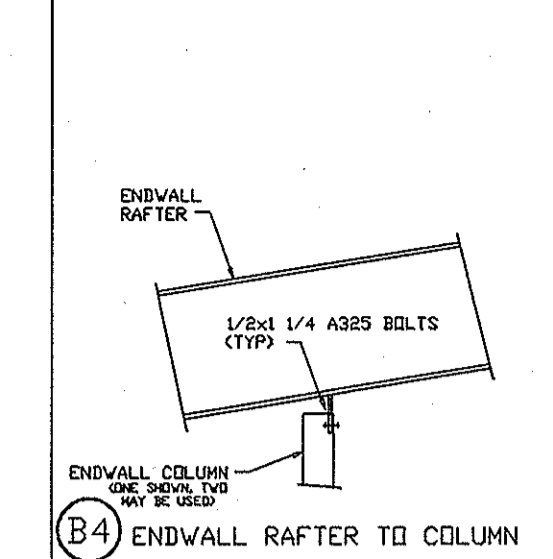
(GEB) GIRT END BRIDGE



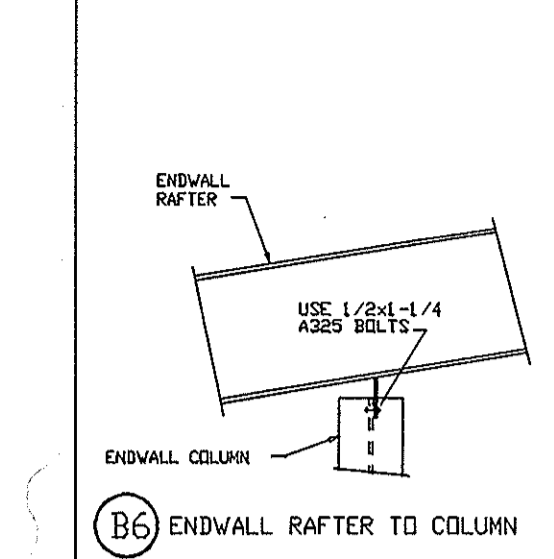
(A3) SECTION THRU ENDWALL RAFTER



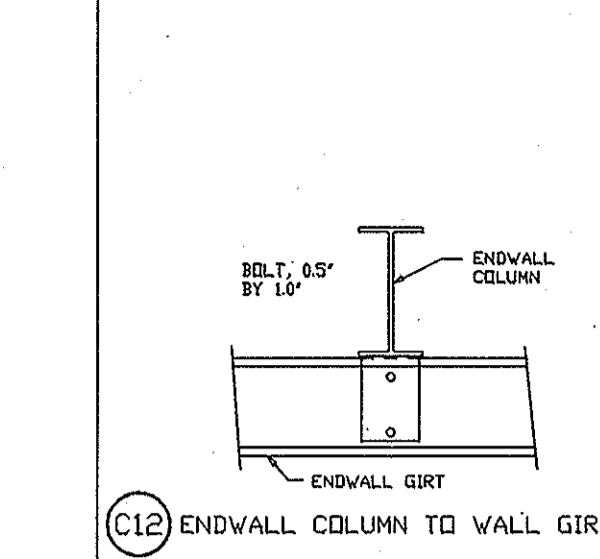
(AR6) PURLIN TO RAFTER WITH ANTI ROLL CLIP



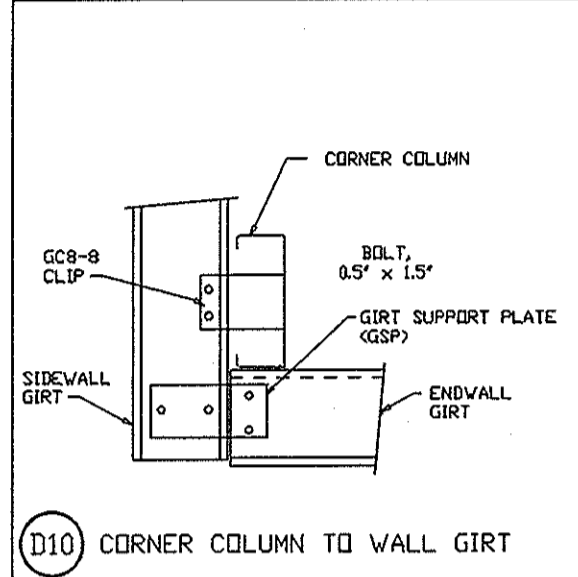
(B4) ENDWALL RAFTER TO COLUMN



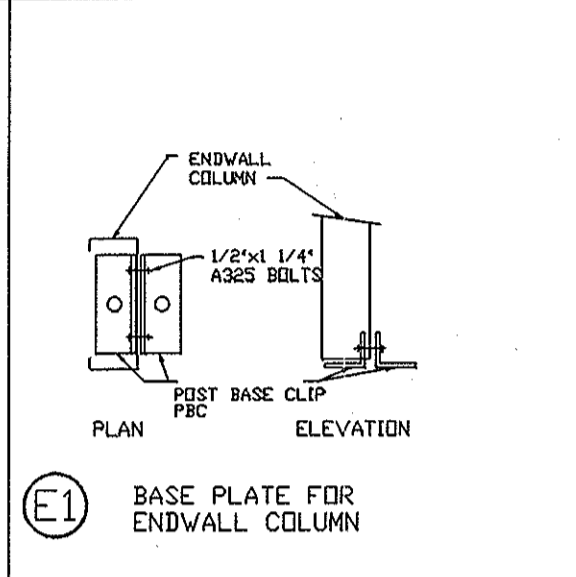
(B6) ENDWALL RAFTER TO COLUMN



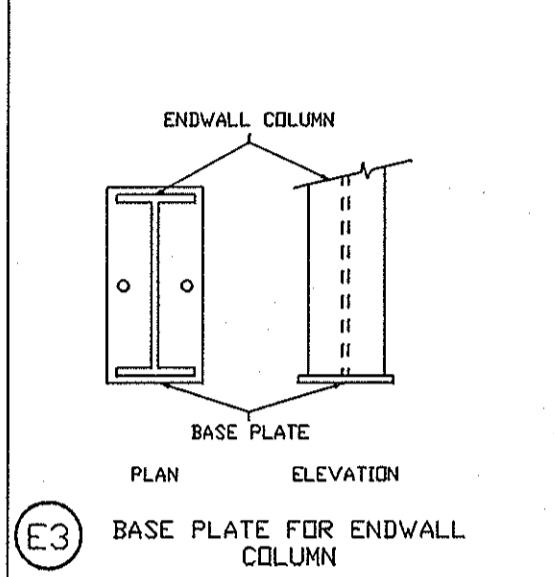
(C12) ENDWALL COLUMN TO WALL GIRT



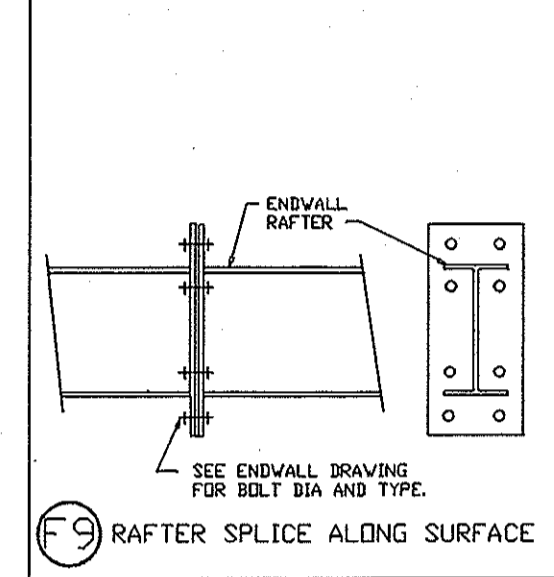
(D10) CORNER COLUMN TO WALL GIRT



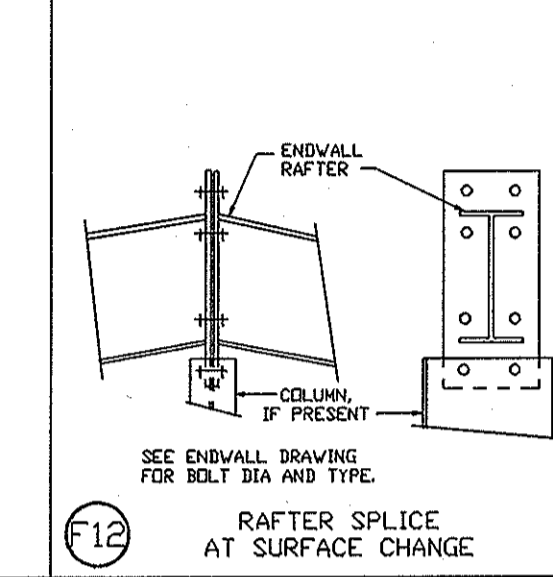
(E1) BASE PLATE FOR ENDWALL COLUMN



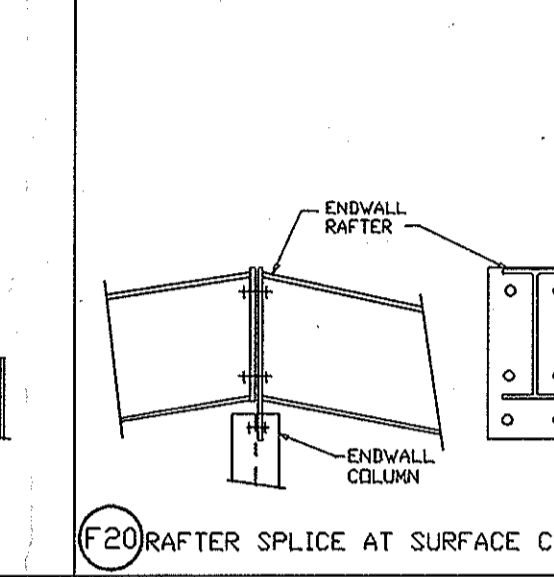
(E3) BASE PLATE FOR ENDWALL COLUMN



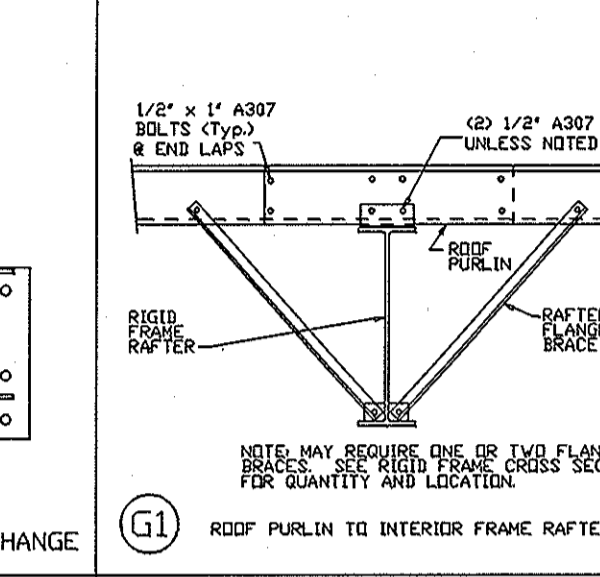
(F9) RAFTER SPLICE ALONG SURFACE



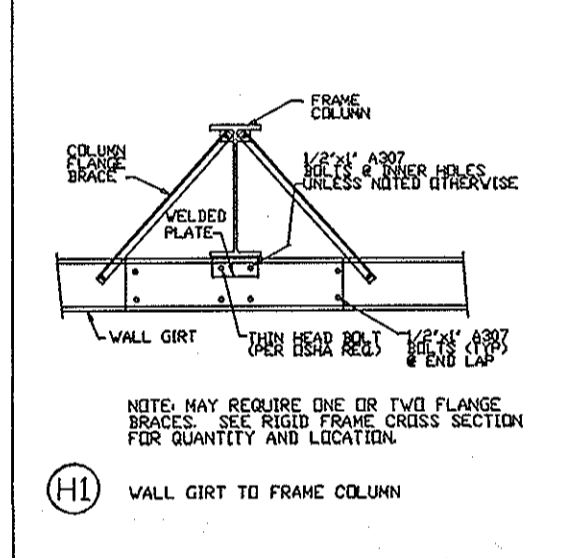
(F12) RAFTER SPLICE AT SURFACE CHANGE



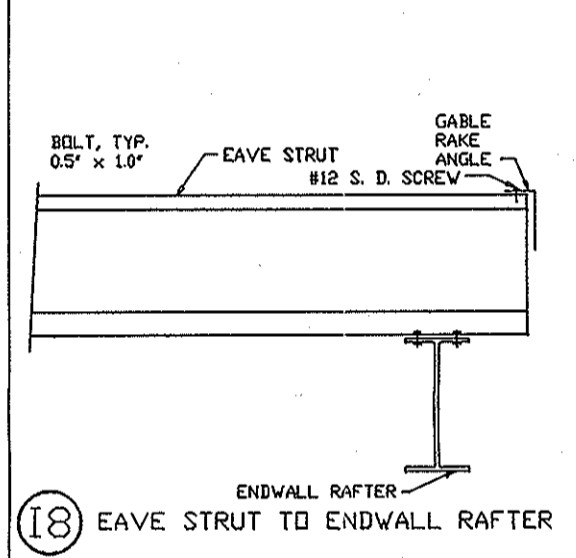
(F20) RAFTER SPLICE AT SURFACE CHANGE



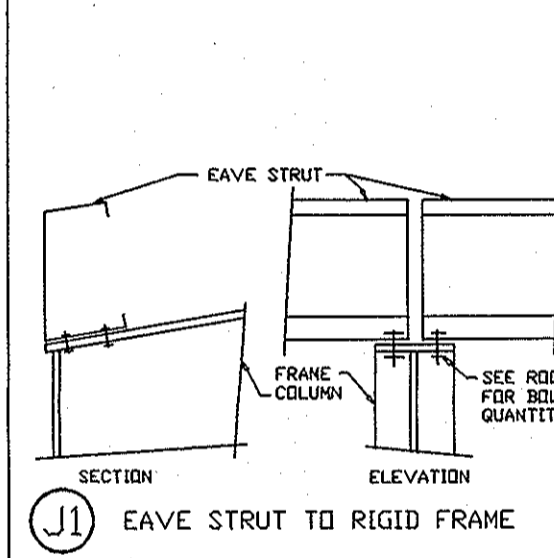
(G1) ROOF PURLIN TO INTERIOR FRAME RAFTER



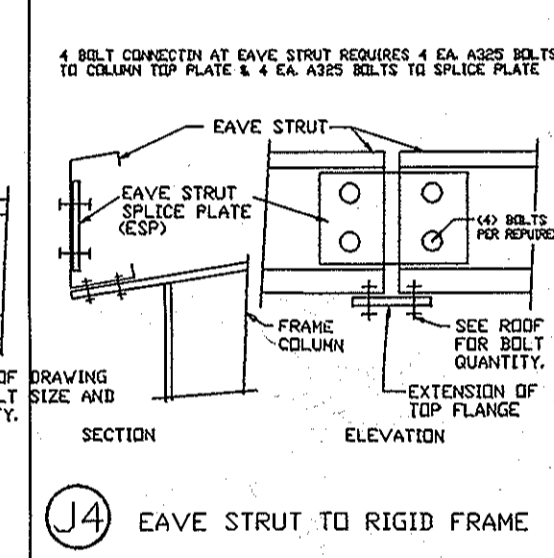
(H1) WALL GIRT TO FRAME COLUMN



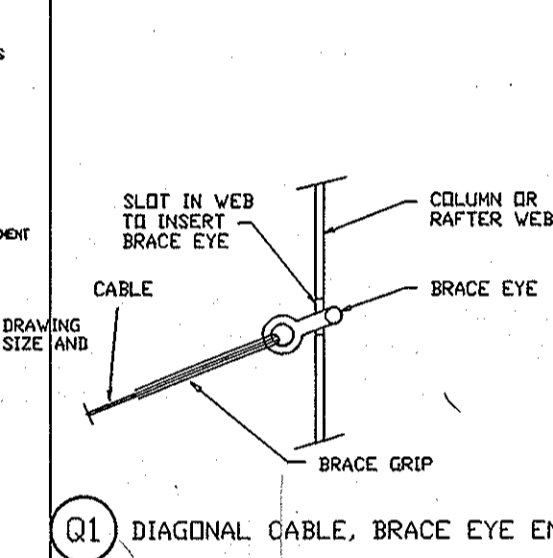
(I8) EAVE STRUT TO ENDWALL RAFTER



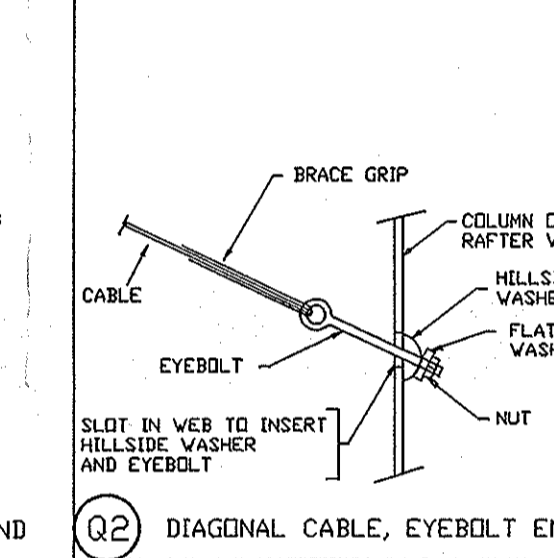
(J1) EAVE STRUT TO RIGID FRAME



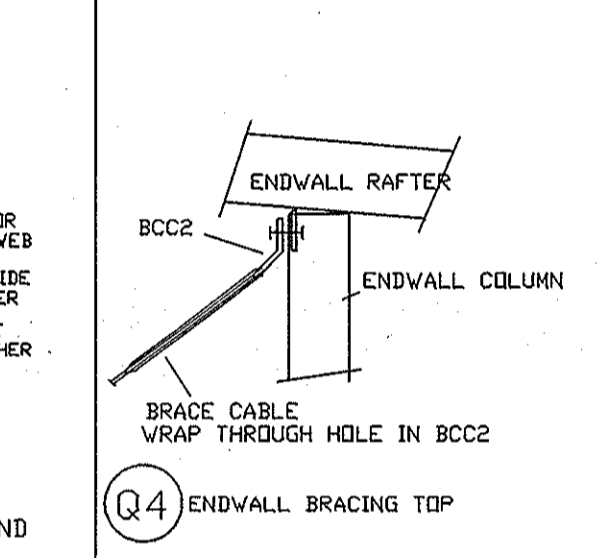
(J4) EAVE STRUT TO RIGID FRAME



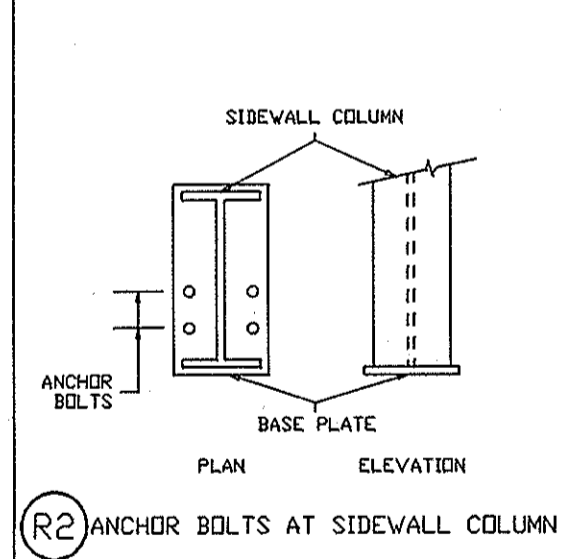
(Q1) DIAGONAL CABLE, BRACE EYE END



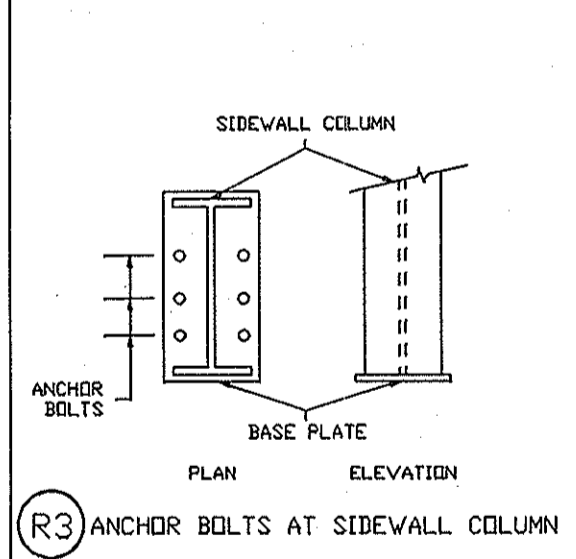
(Q2) DIAGONAL CABLE, EYEBOLT END



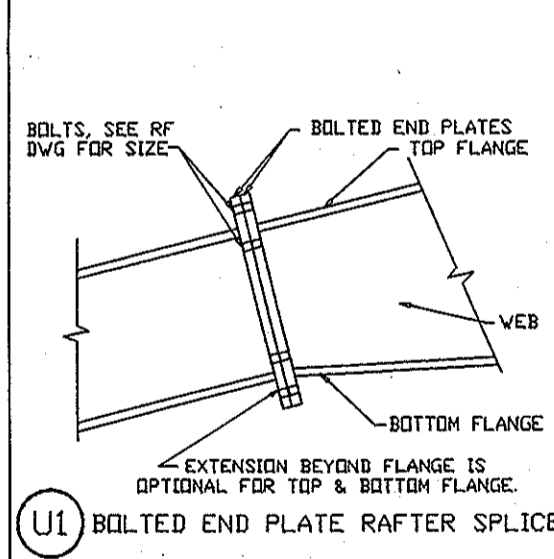
(Q4) ENDWALL BRACING TOP



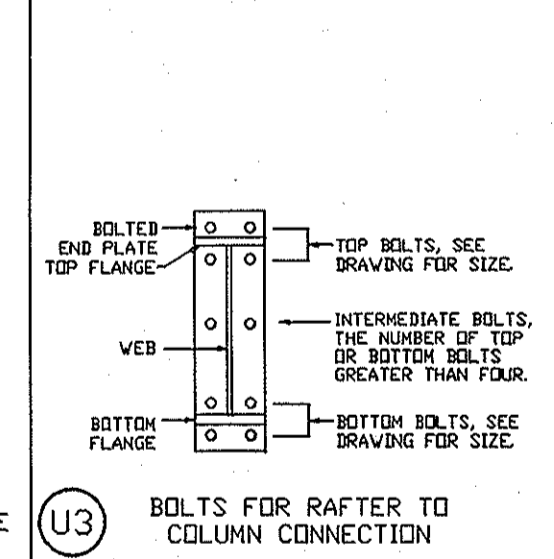
(R2) ANCHOR BOLTS AT SIDEWALL COLUMN



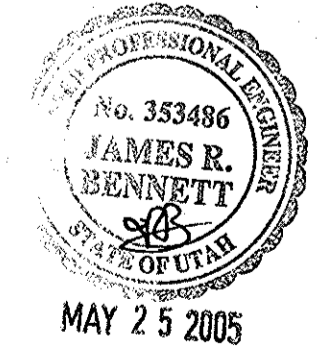
(R3) ANCHOR BOLTS AT SIDEWALL COLUMN



(U1) BOLTED END PLATE RAFTER SPLICE



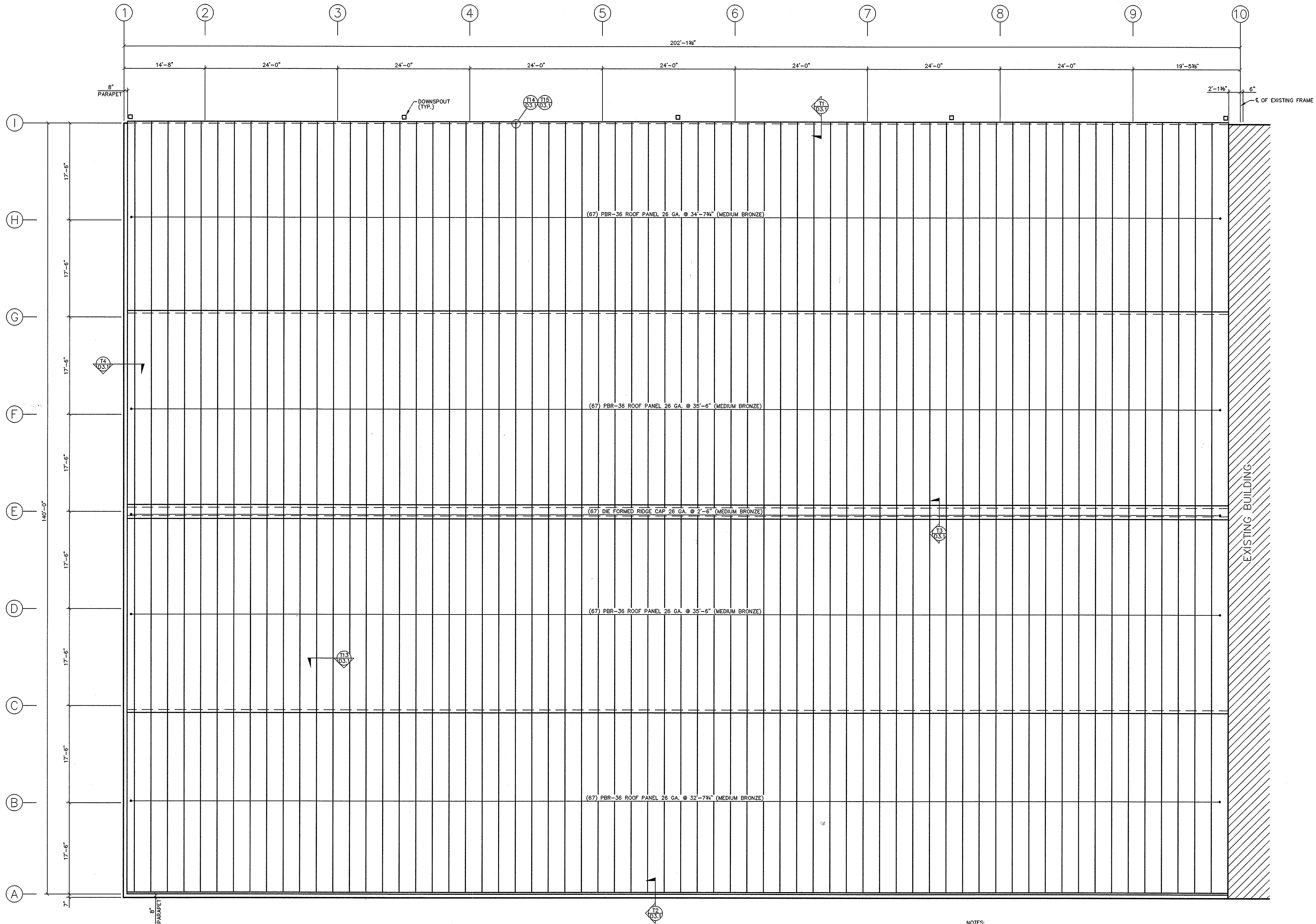
(U3) BOLTS FOR RAFTER TO COLUMN CONNECTION



HAFB FIGHTER GALLERY
 Detail Page
 DESIGN: JB DRAFT: CHECK:
 DATE: 4/15/05
 REVISION: 1



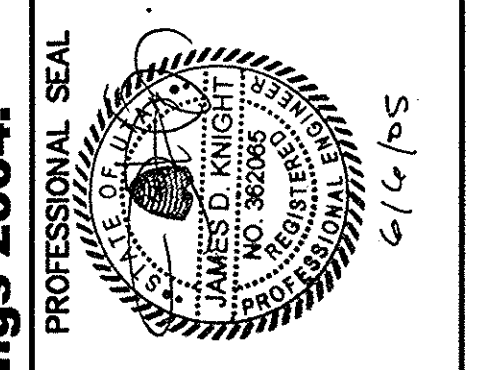
JOB NO. 504738
 PROJECT AIRCRAFT WAREHOUSE
 ADDRESS 7961 WARDLEIGH RD.
 OGDEN, UT 84056
 SHEET 8 OF 8



NOTES:
 1) BACK LAP ROOF PANELS ON TO EXISTING ROOF PANEL
 2) FOR GUTTER & DOWNSPOUT ATTACHMENT SEE DETAILS T16 & T17 ON SHEET D3.1 & DETAIL T18 ON SHEET D3.2



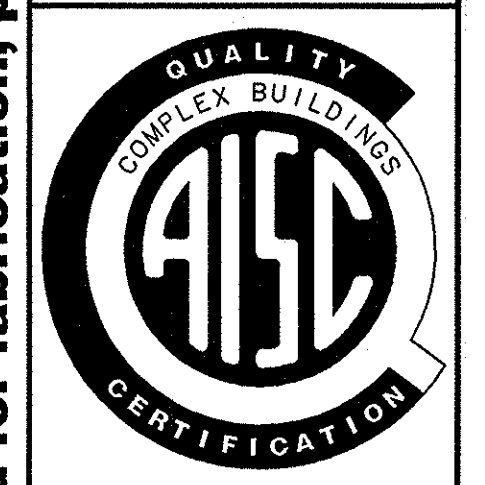
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NO.	REVISIONS	DATE
A	DESIGN DRAWING - ISSUED FOR CONSTRUCTION	4/20/05
D	ERECTION DRAWING - ISSUED FOR CONSTRUCTION	5/12/05

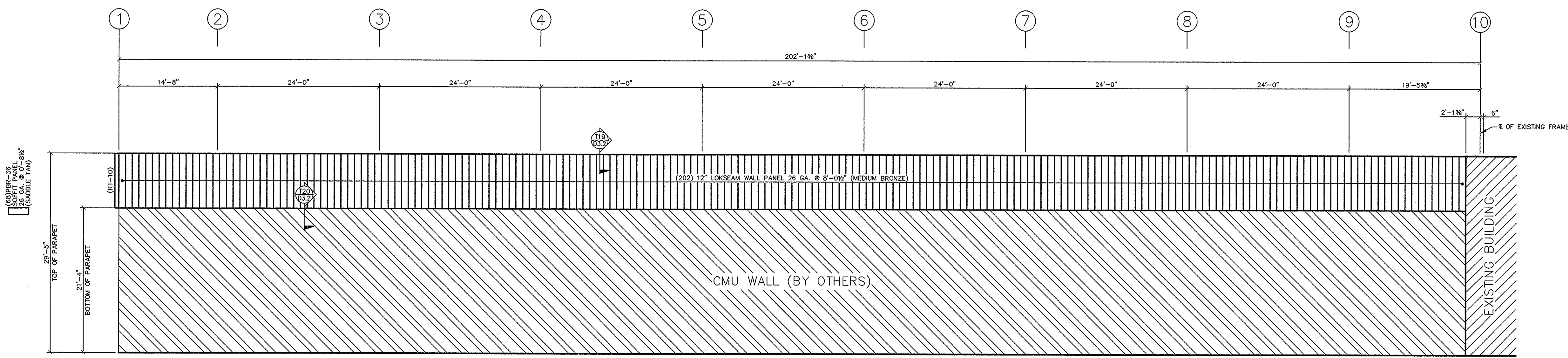
GEM BUILDINGS
 1025 N. WATERY LANE BRIGHAM CITY, UT 84302
 (435) 723-5000
 DRAWN: TKL
 CHECKED: GJF
 ENGINEER: GJF
 DATE: 4/13/05
 SCALE: 1/8"=1'-0"

HAFB FIGHTER GALLERY ADDITION
 ROY, UTAH
 BIG-D CONSTRUCTION
 ROOF SHEETING PLAN

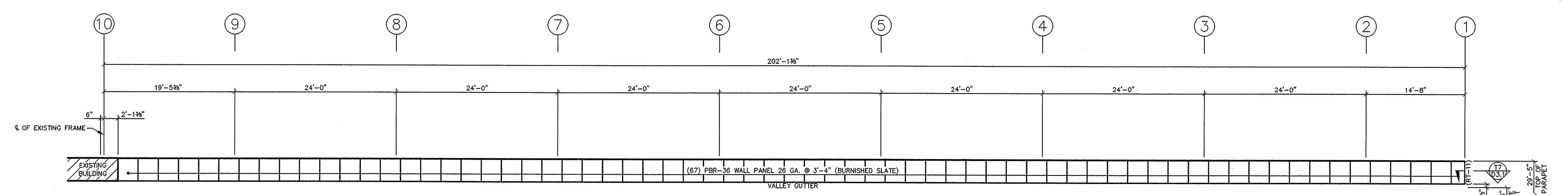


SHEET
G4.01
 JOB NUMBER
 03087

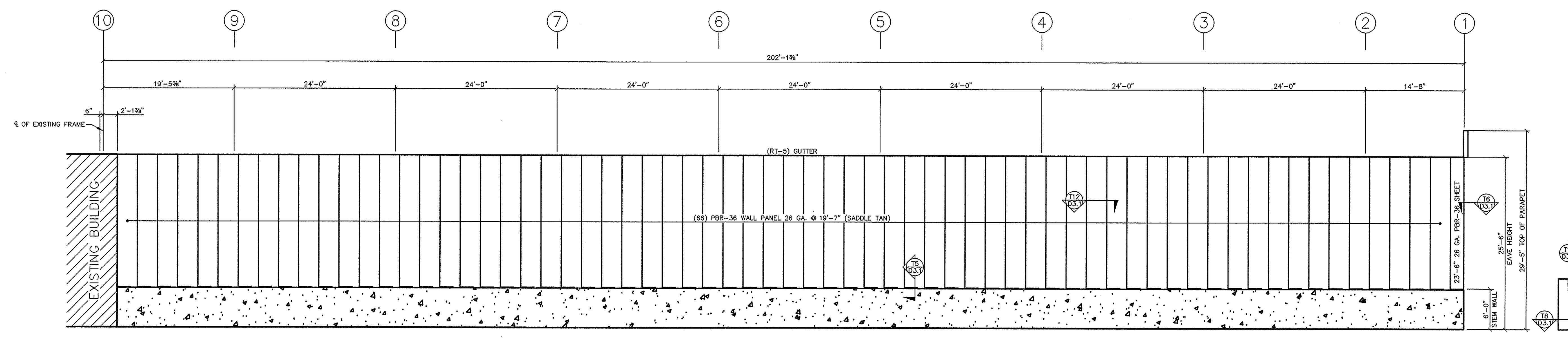
6/14/05



SHEETING ELEVATION @ LINE A

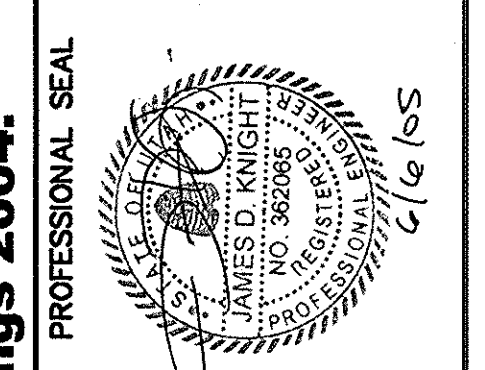


BACK SHEETING ELEVATION @ LINE A



SHEETING ELEVATION @ LINE I

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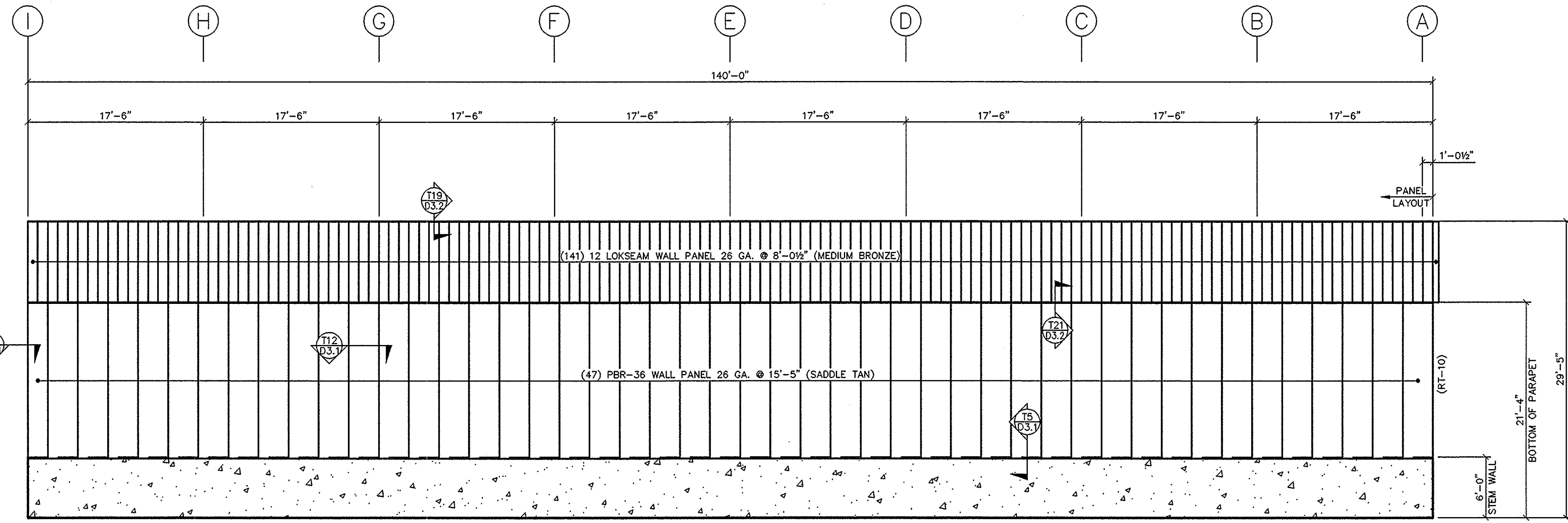
NO.	REVISIONS	DATE	PROFESSIONAL SEAL
A	DESIGN DRAWING - ISSUED FOR CONSTRUCTION	4/20/05	
B	DESIGN DRAWING - REISSUED FOR CONSTRUCTION	4/21/05	
C	ERECTION SET - ISSUED FOR CONSTRUCTION	5/12/05	

GEM BUILDINGS
 1025 N. WATERY LANE BRIGHAM CITY, UT 84302
 (435) 723-5000
 DRAWN: TKL
 CHECKED: GJF
 ENGINEER: DATE: 4/13/05
 SCALE: 1/8"=1'-0"

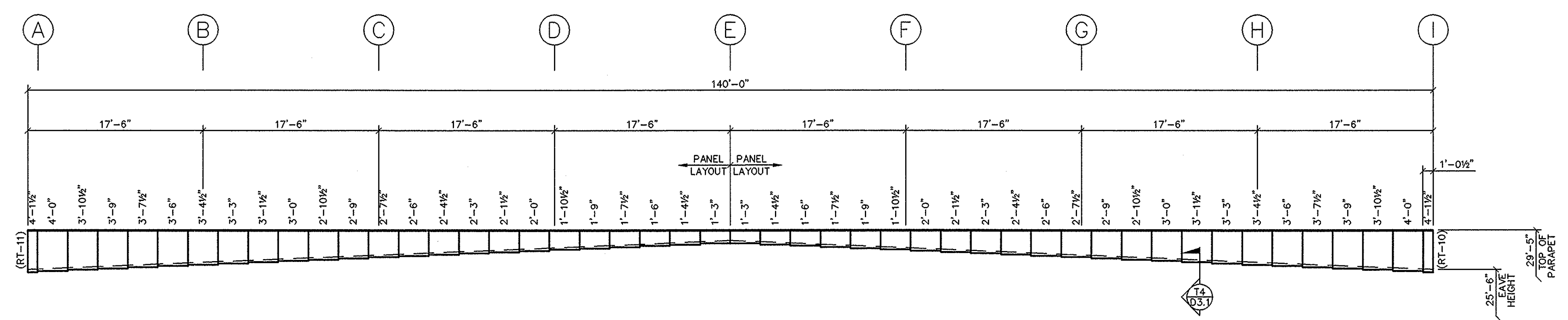
HAFB FIGHTER GALLERY ADDITION
 ROY, UTAH
 BIG-D CONSTRUCTION
 SHEETING ELEVATION



SHEET
G7.01
 JOB NUMBER
 03087



SHEETING ELEVATION @ LINE 1

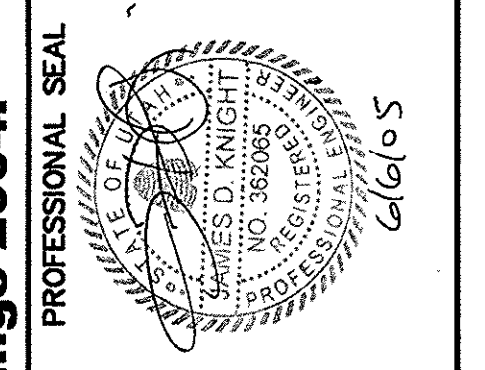


BACK SHEETING ELEVATION @ LINE 1

PBR-36 WALL PANEL 26 GA. (BURNISHED SLATE)

(47)PBR-36
SOFT PANEL
15'-5\"/>

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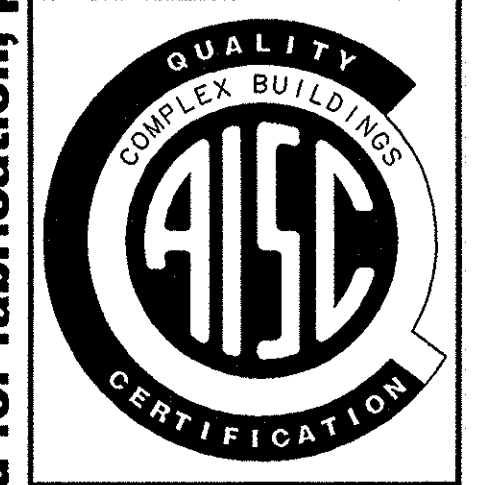
NO.	REVISIONS	DATE	PROFESSIONAL SEAL
A	DESIGN DRAWING - ISSUED FOR CONSTRUCTION	4/20/05	
B	DESIGN DRAWING - REISSUED FOR CONSTRUCTION	4/27/05	
O	ERECTION DRAWING - ISSUED FOR CONSTRUCTION	5/12/05	

GEM BUILDINGS
1025 N. WATERY LANE BRIGHAM CITY, UT 84302
(435) 723-5000

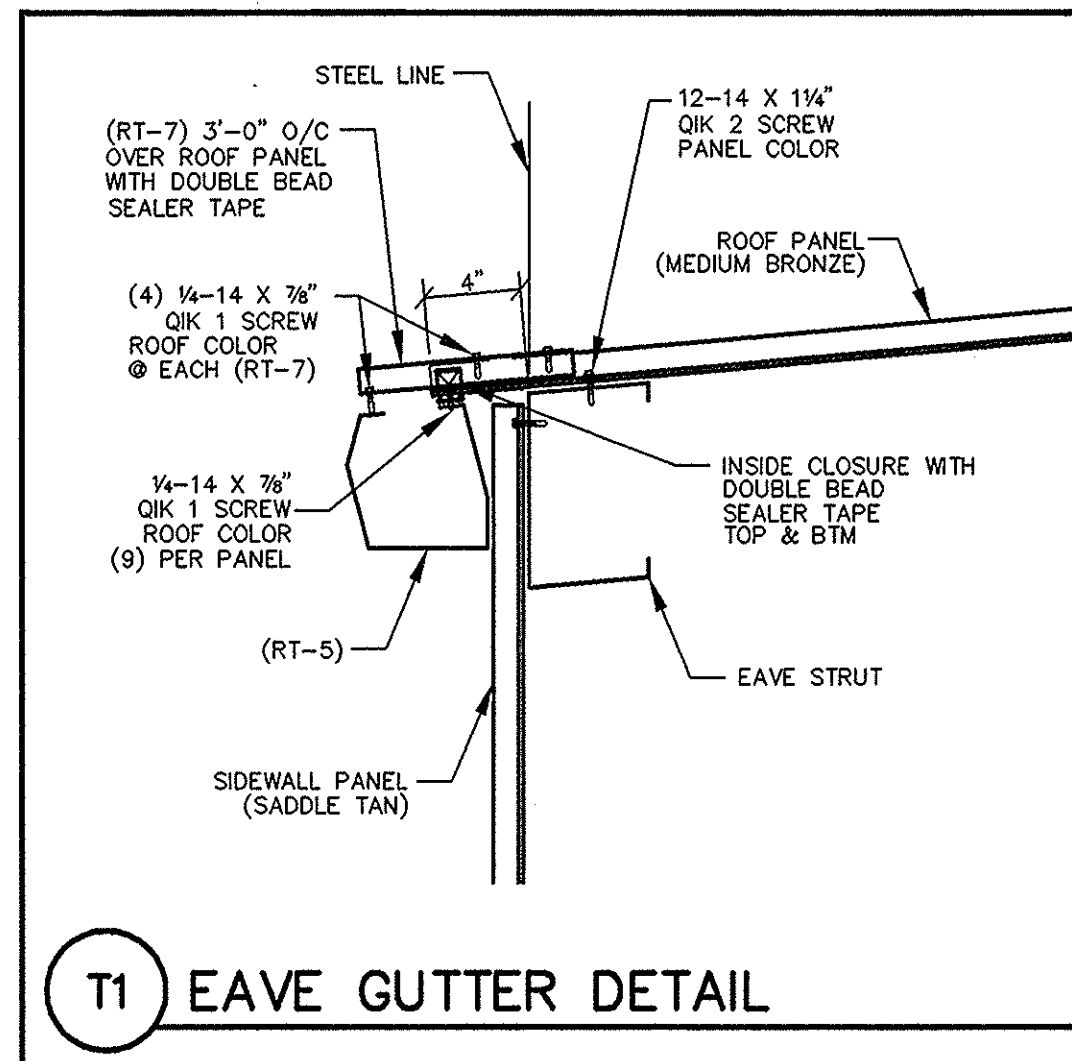
CHECKED: GJF
ENGINEER: GJF
DATE: 4/13/05
SCALE: 1/8"=1'-0"

DRAWN: TKL

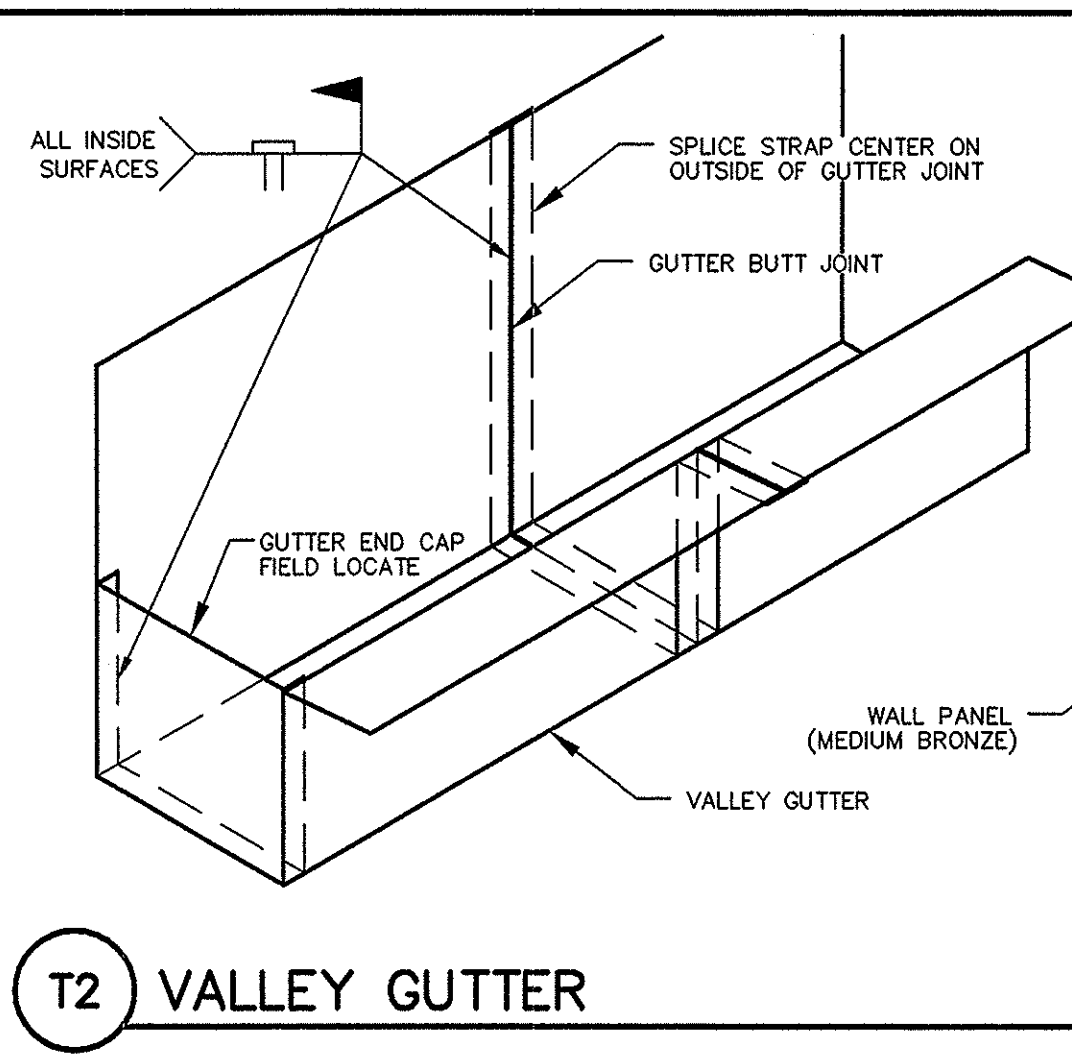
HAFB FIGHTER GALLERY ADDITION
ROY, UTAH
BIG-D CONSTRUCTION
SHEETING ELEVATION



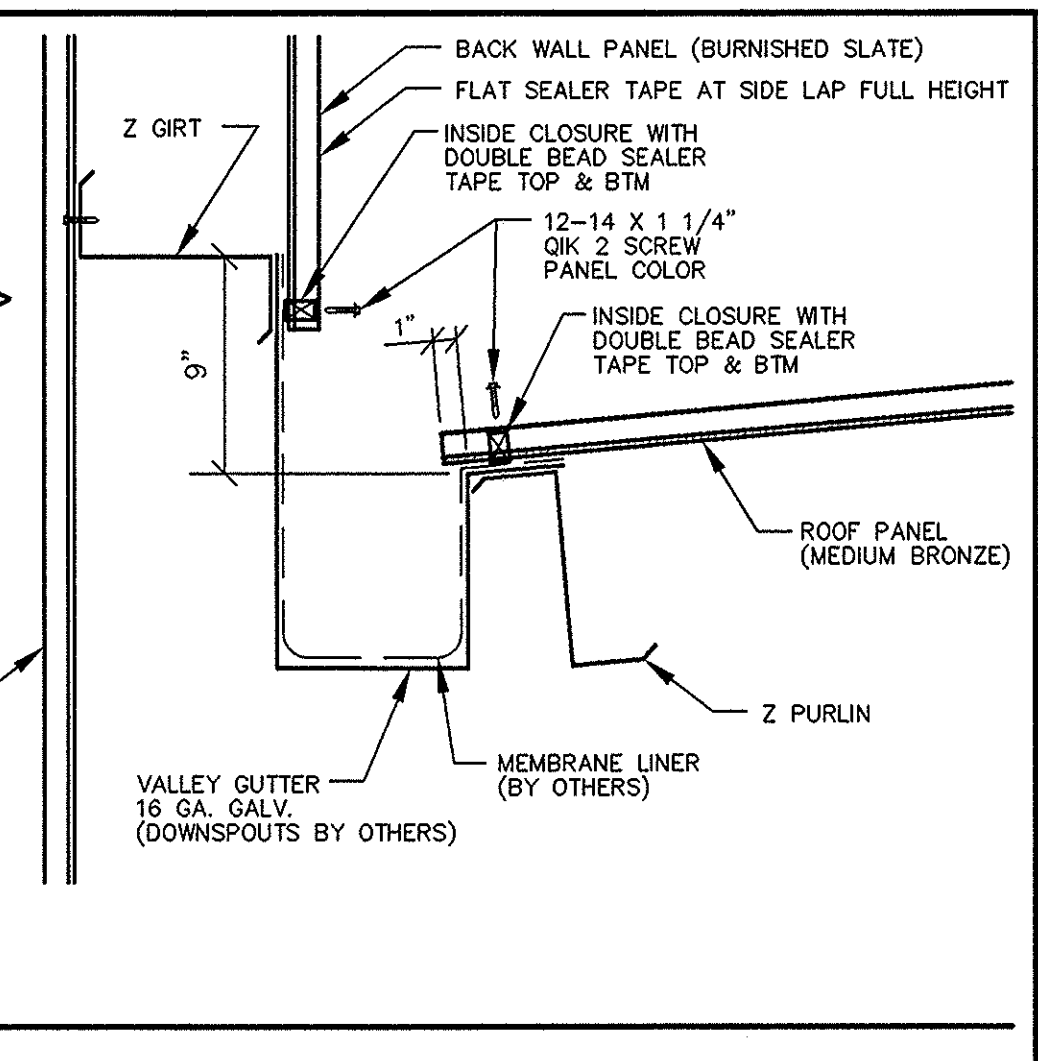
SHEET
G7.02
JOB NUMBER
03087



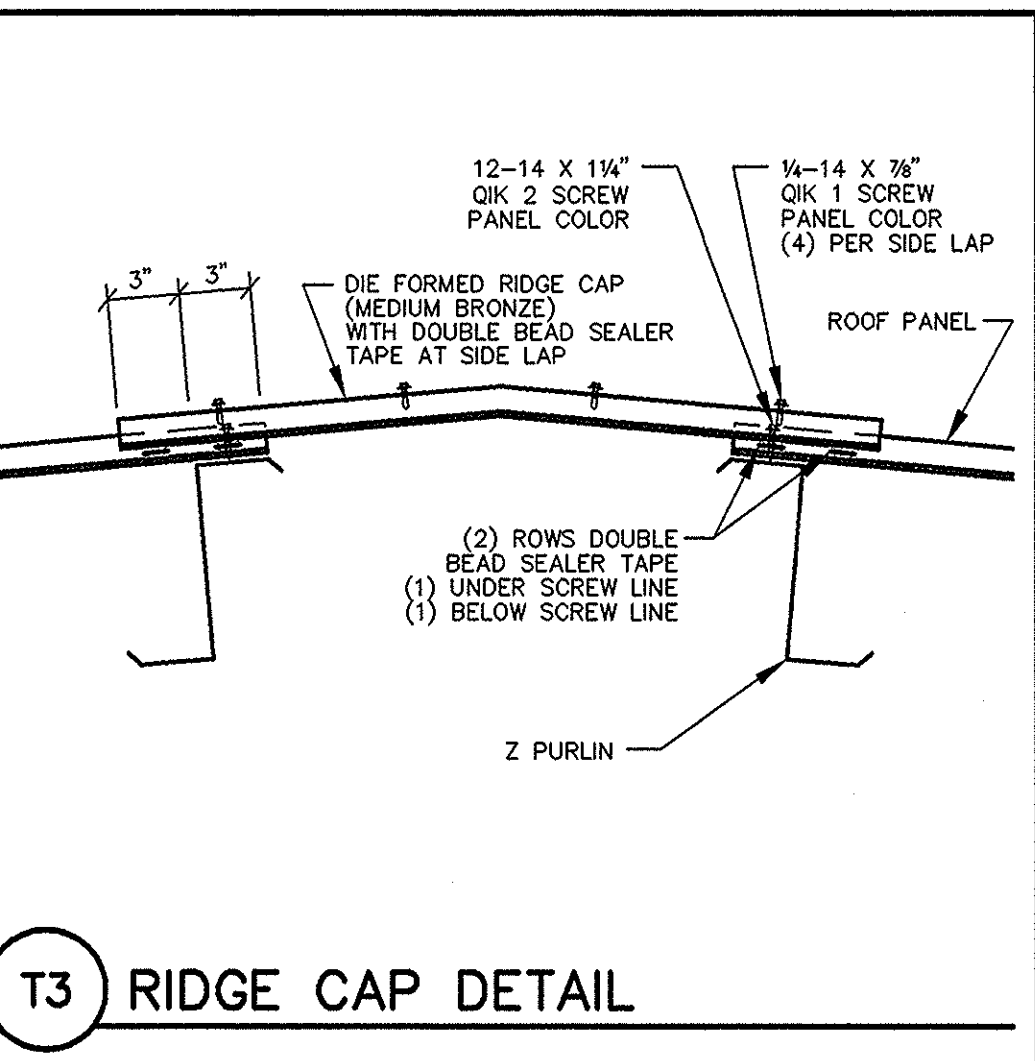
T1 EAVE GUTTER DETAIL



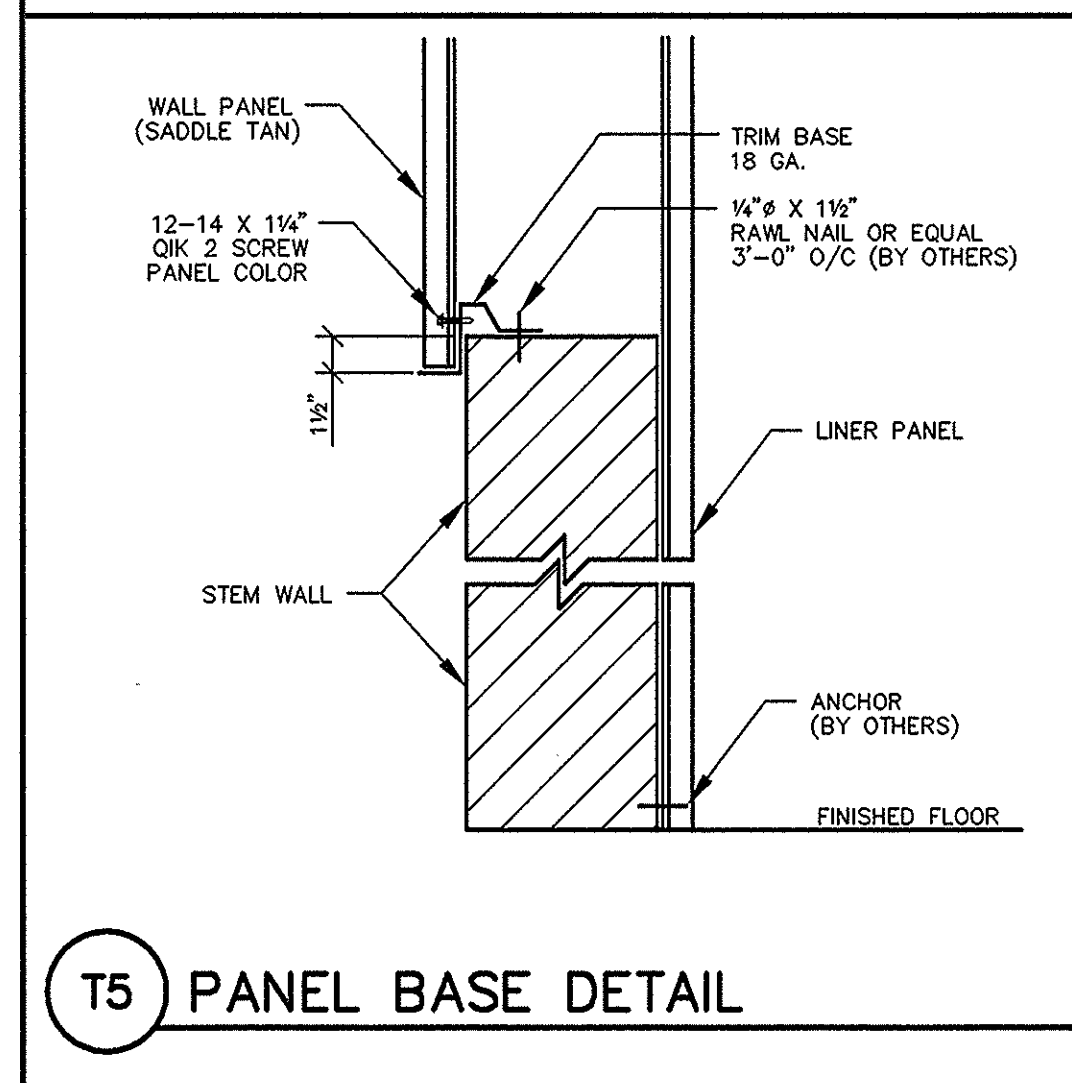
T2 VALLEY GUTTER



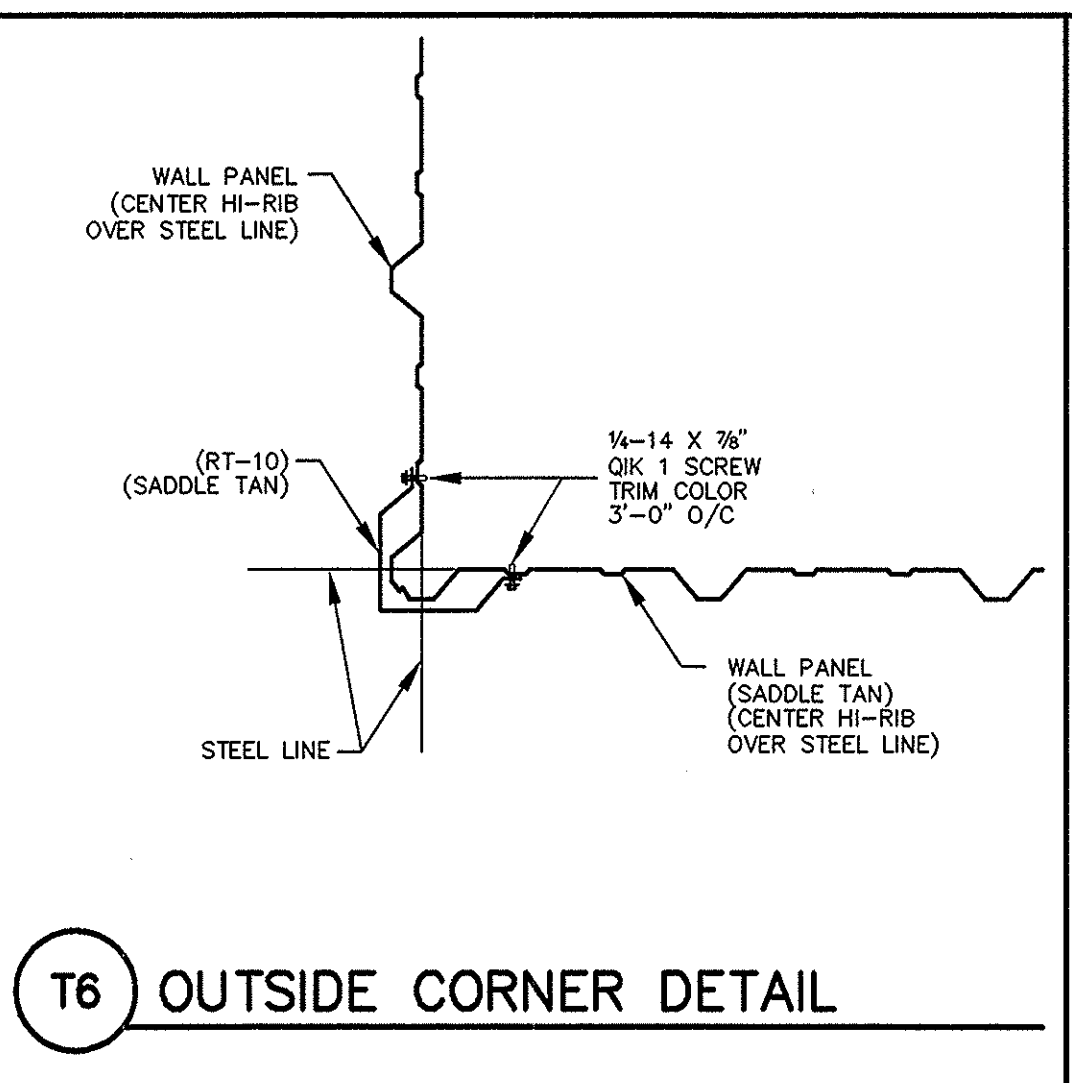
T3 RIDGE CAP DETAIL



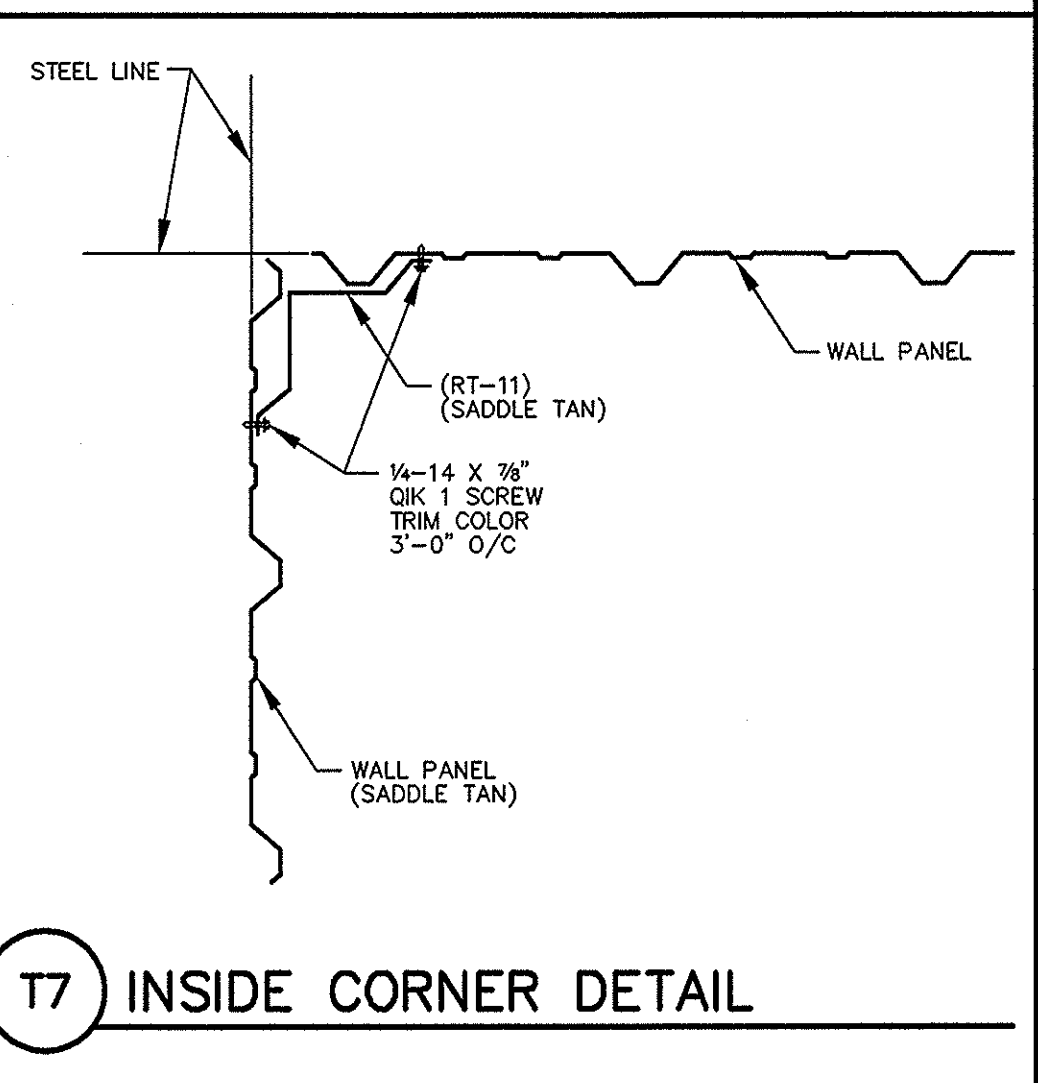
T4 WALL TO LOW ROOF



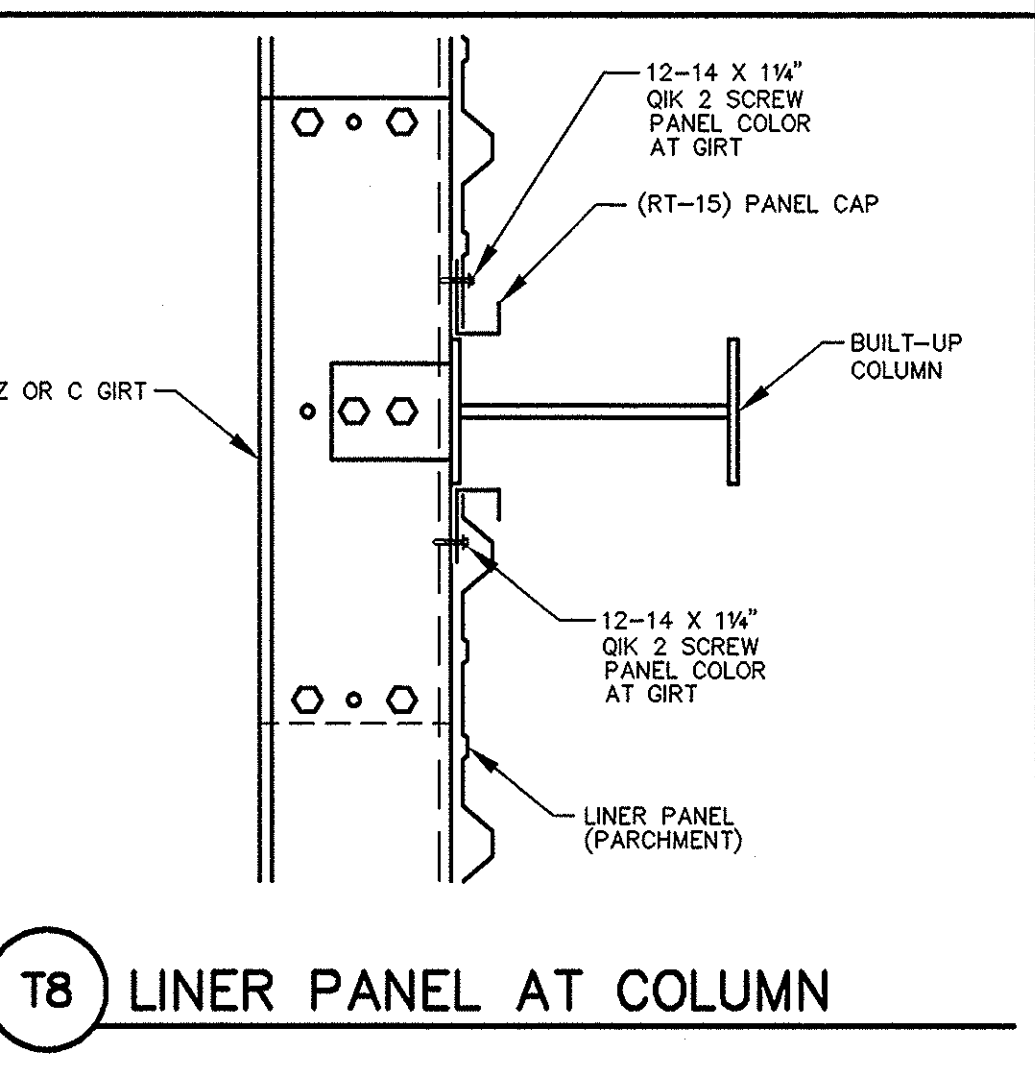
T5 PANEL BASE DETAIL



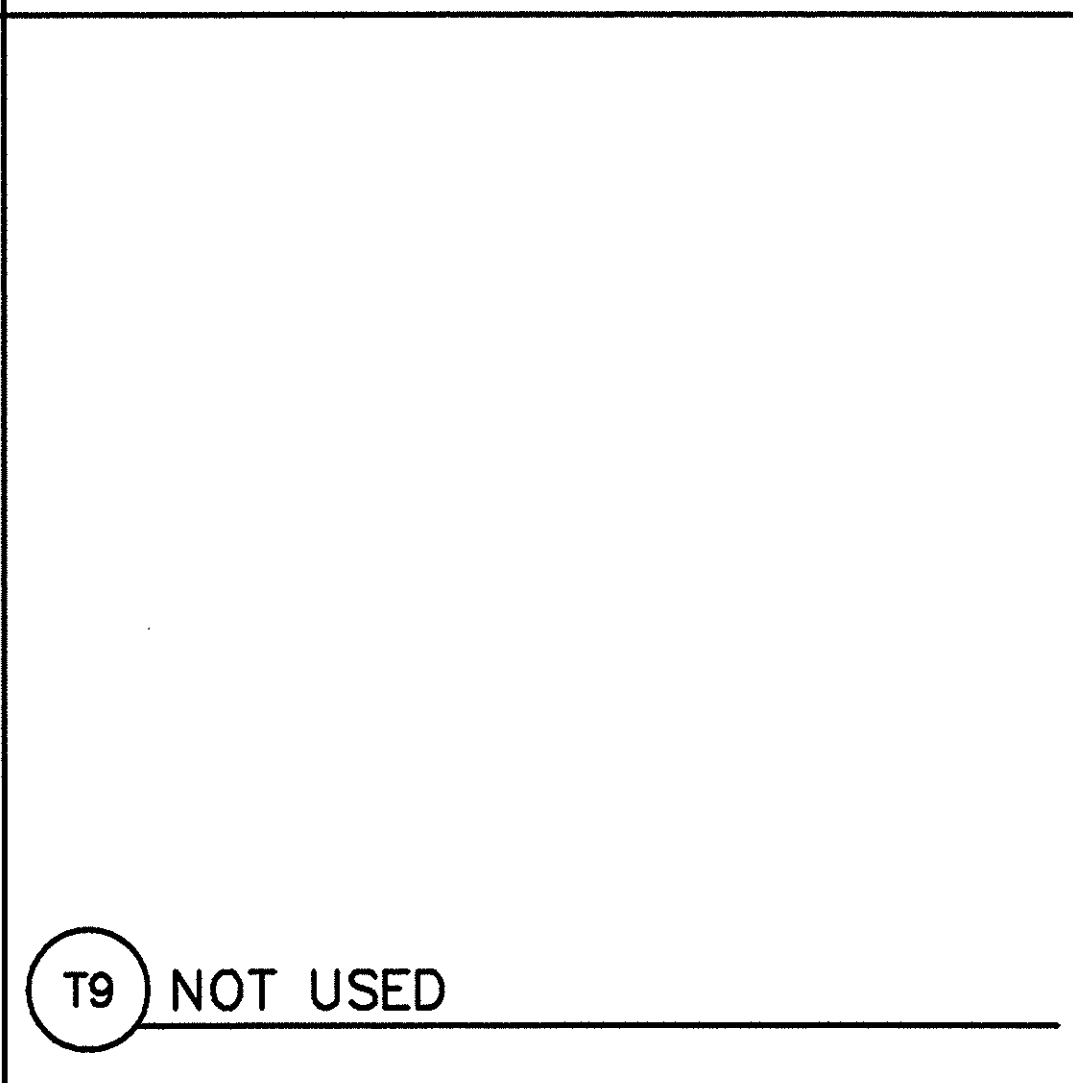
T6 OUTSIDE CORNER DETAIL



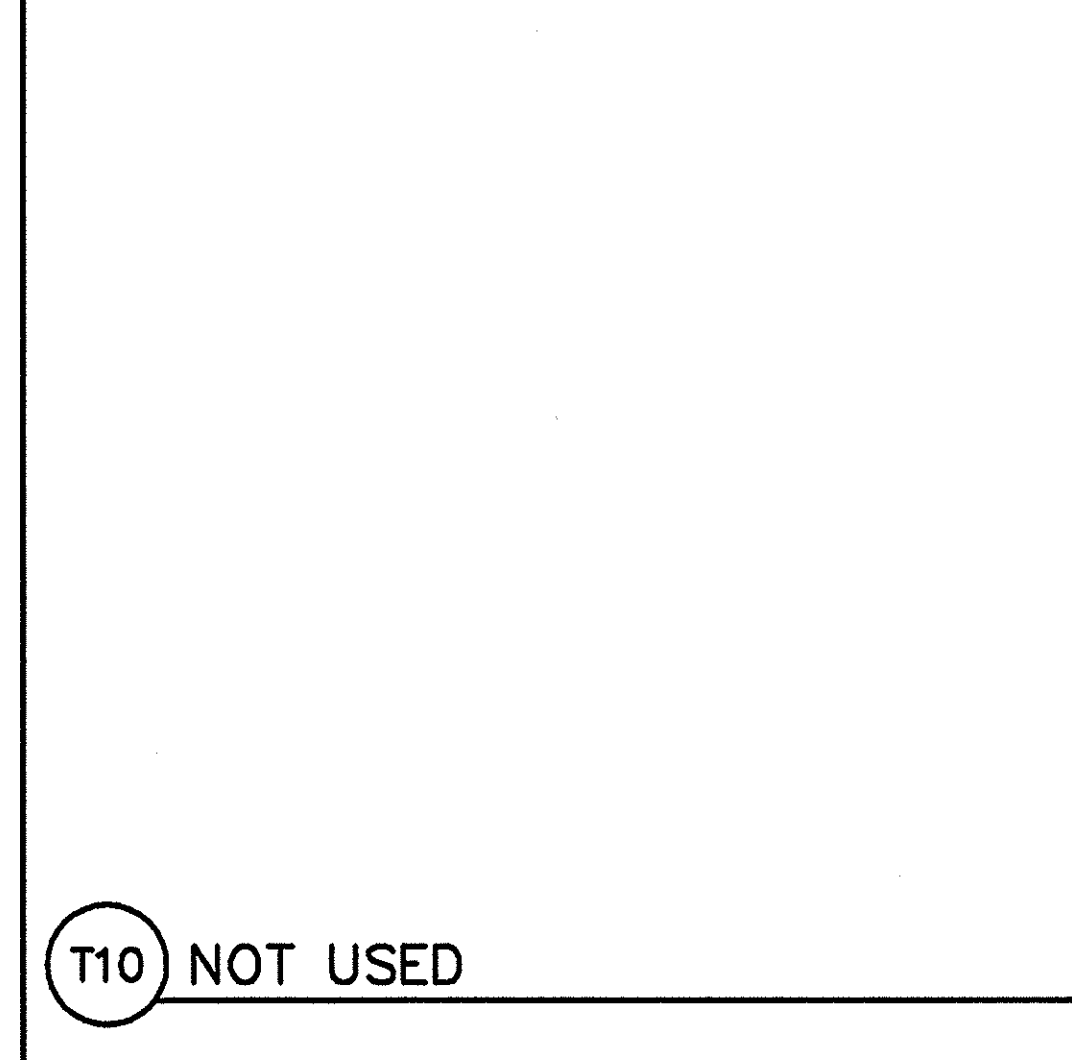
T7 INSIDE CORNER DETAIL



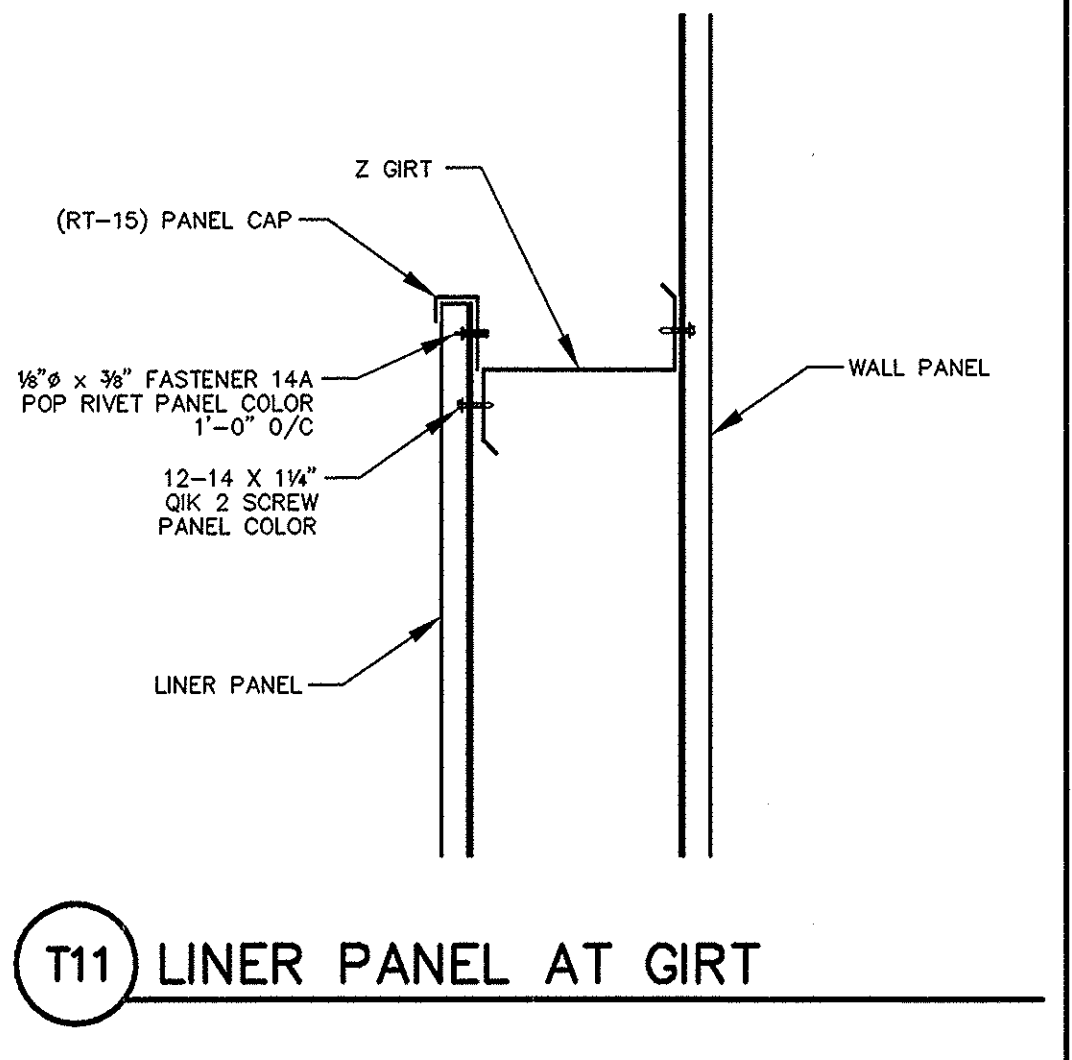
T8 LINER PANEL AT COLUMN



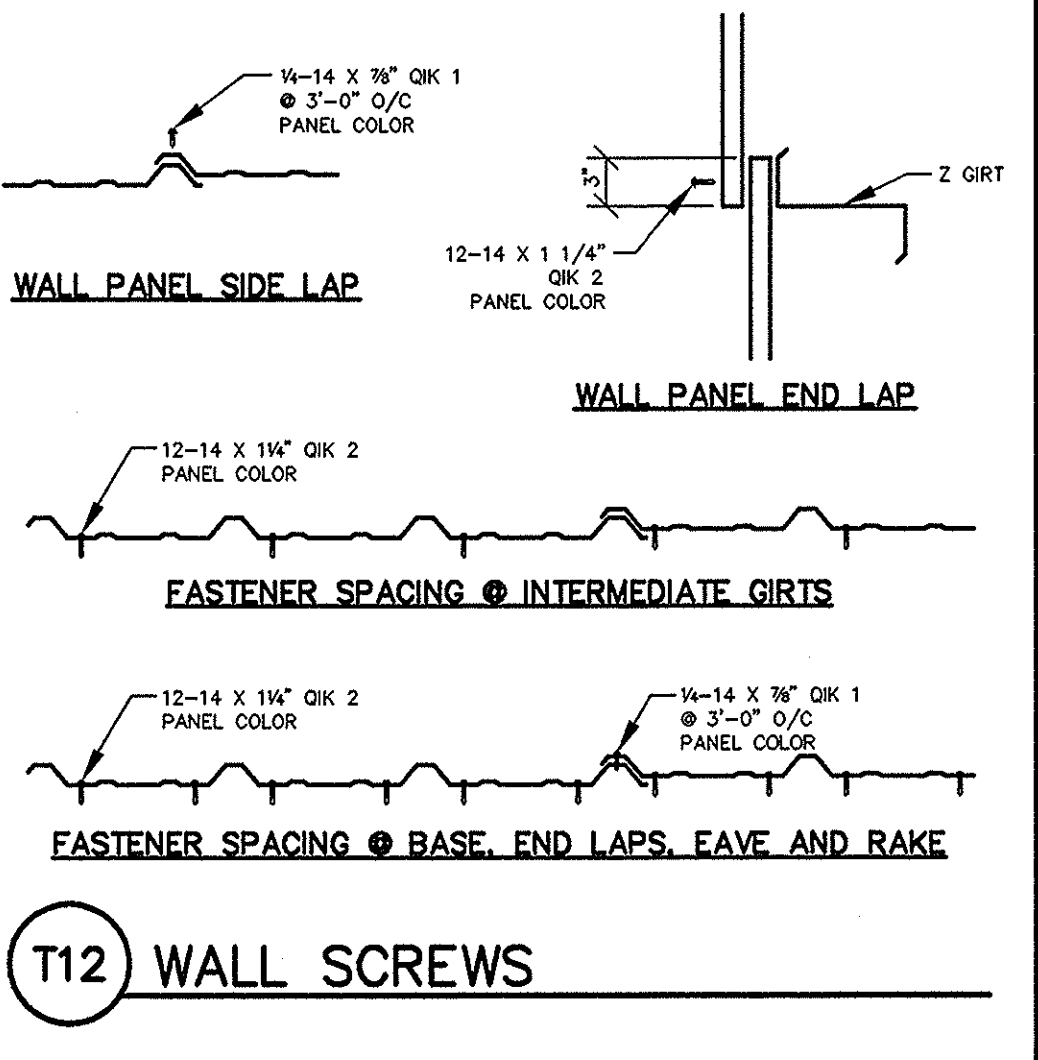
T9 NOT USED



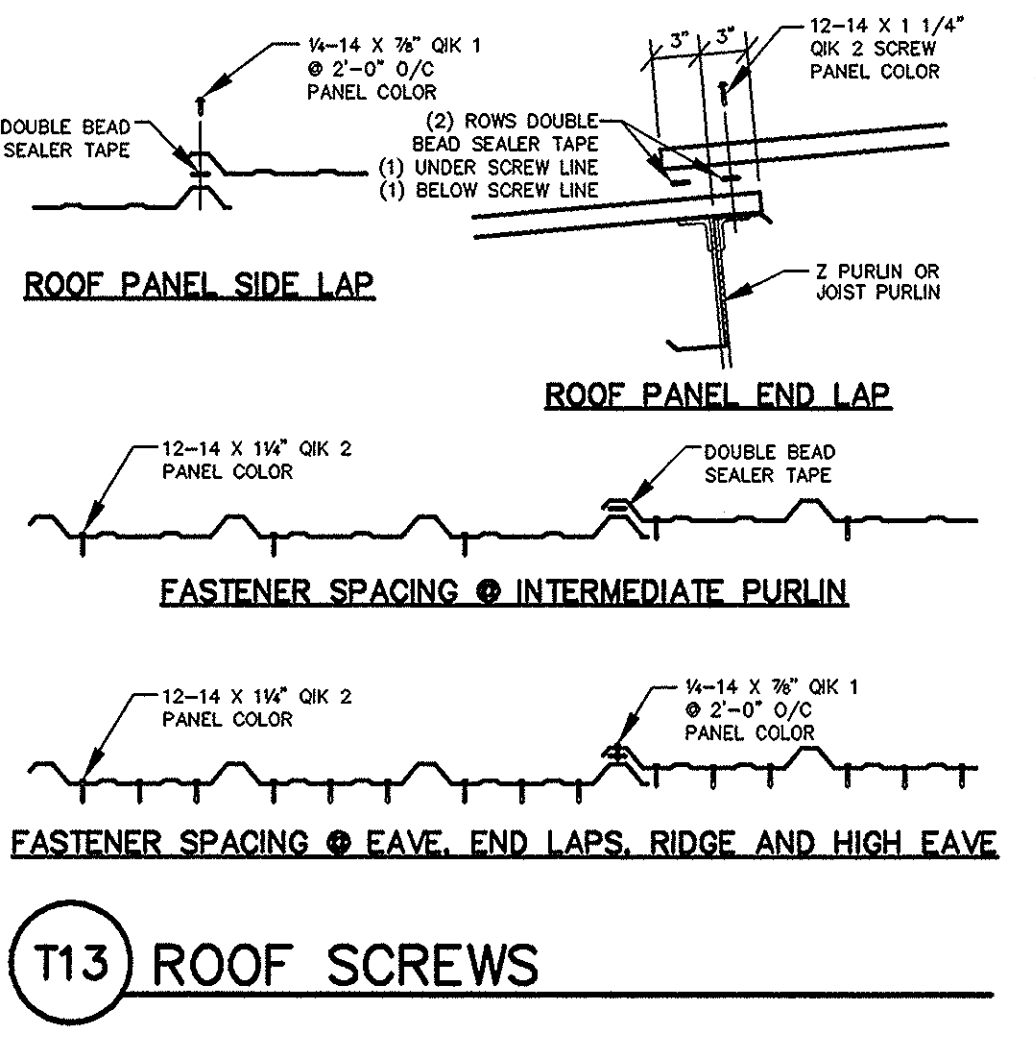
T10 NOT USED



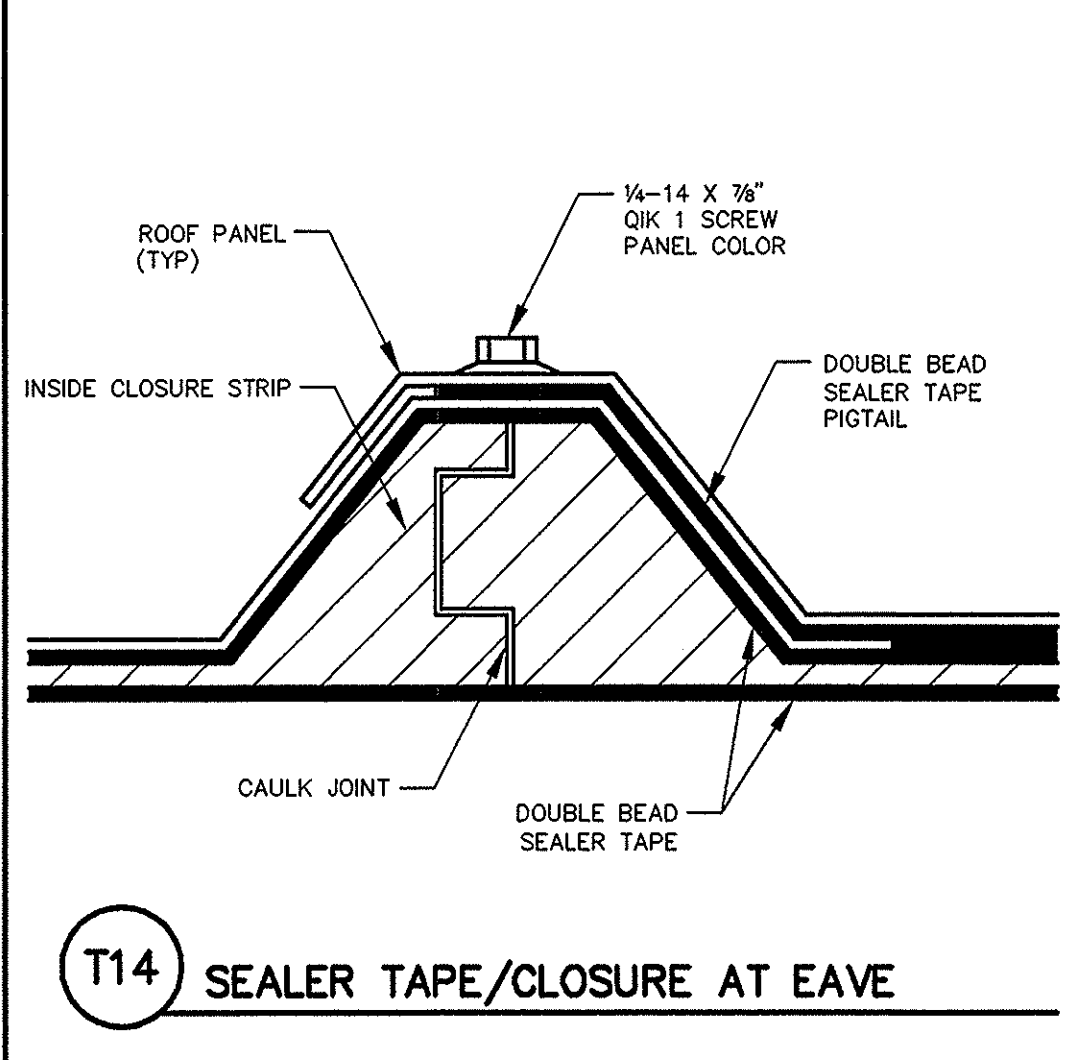
T11 LINER PANEL AT GIRTS



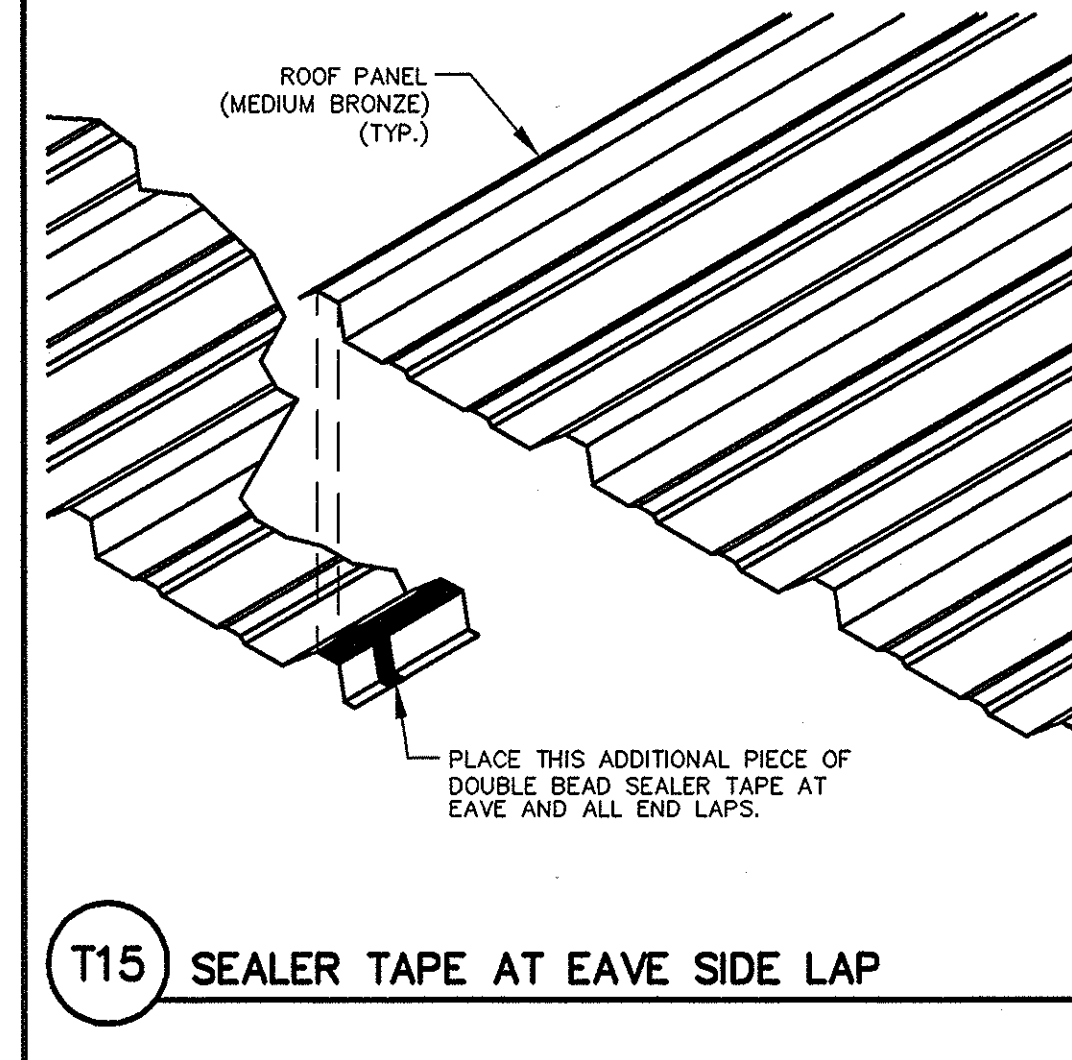
T12 WALL SCREWS



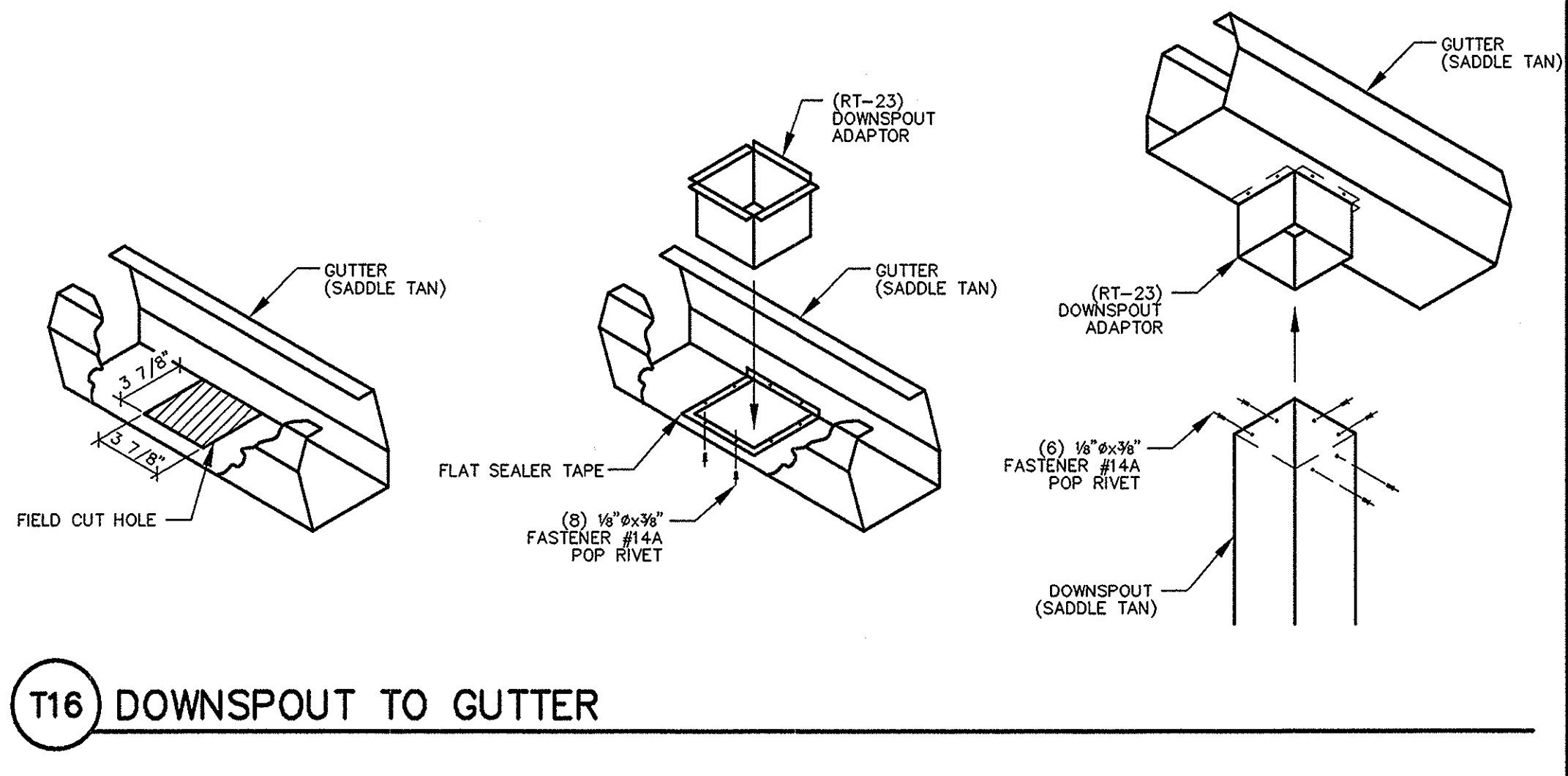
T13 ROOF SCREWS



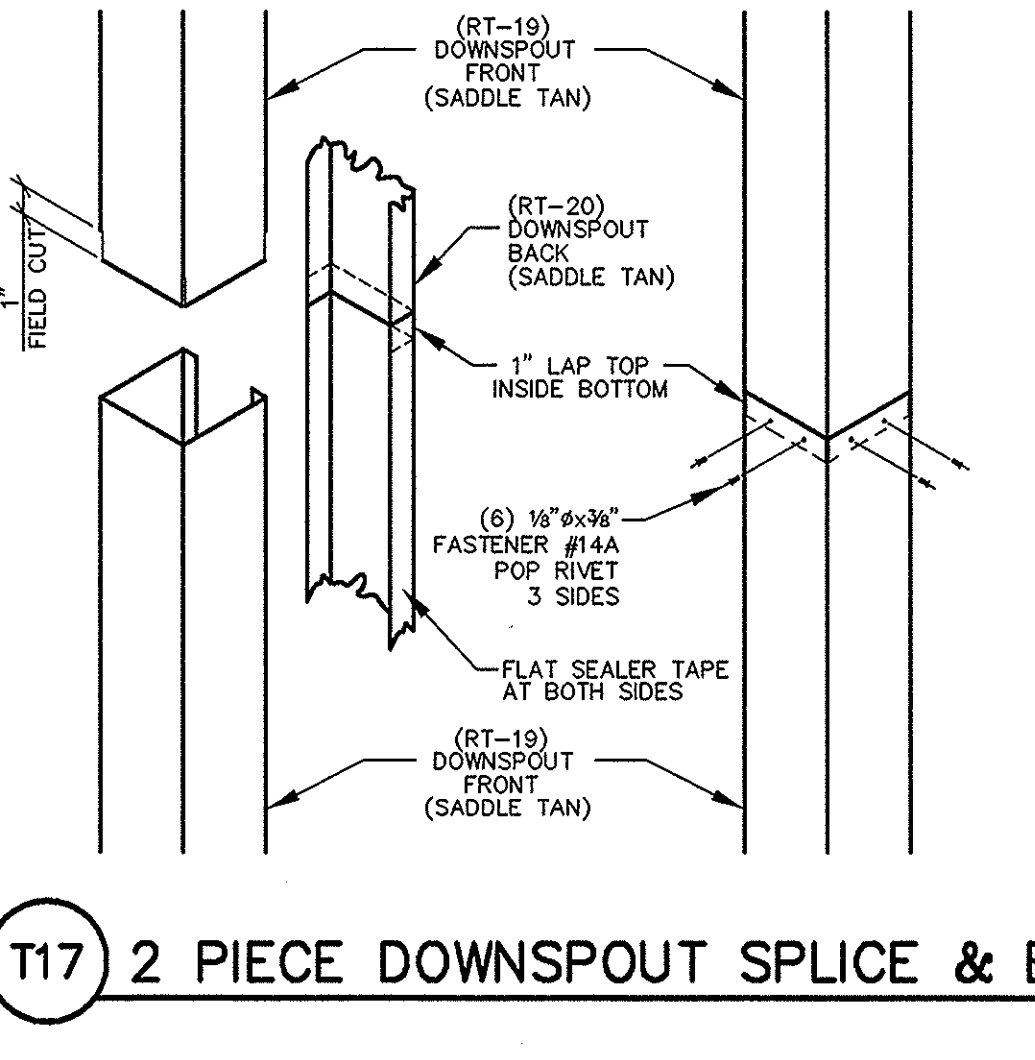
T14 SEALER TAPE/CLOSURE AT EAVE



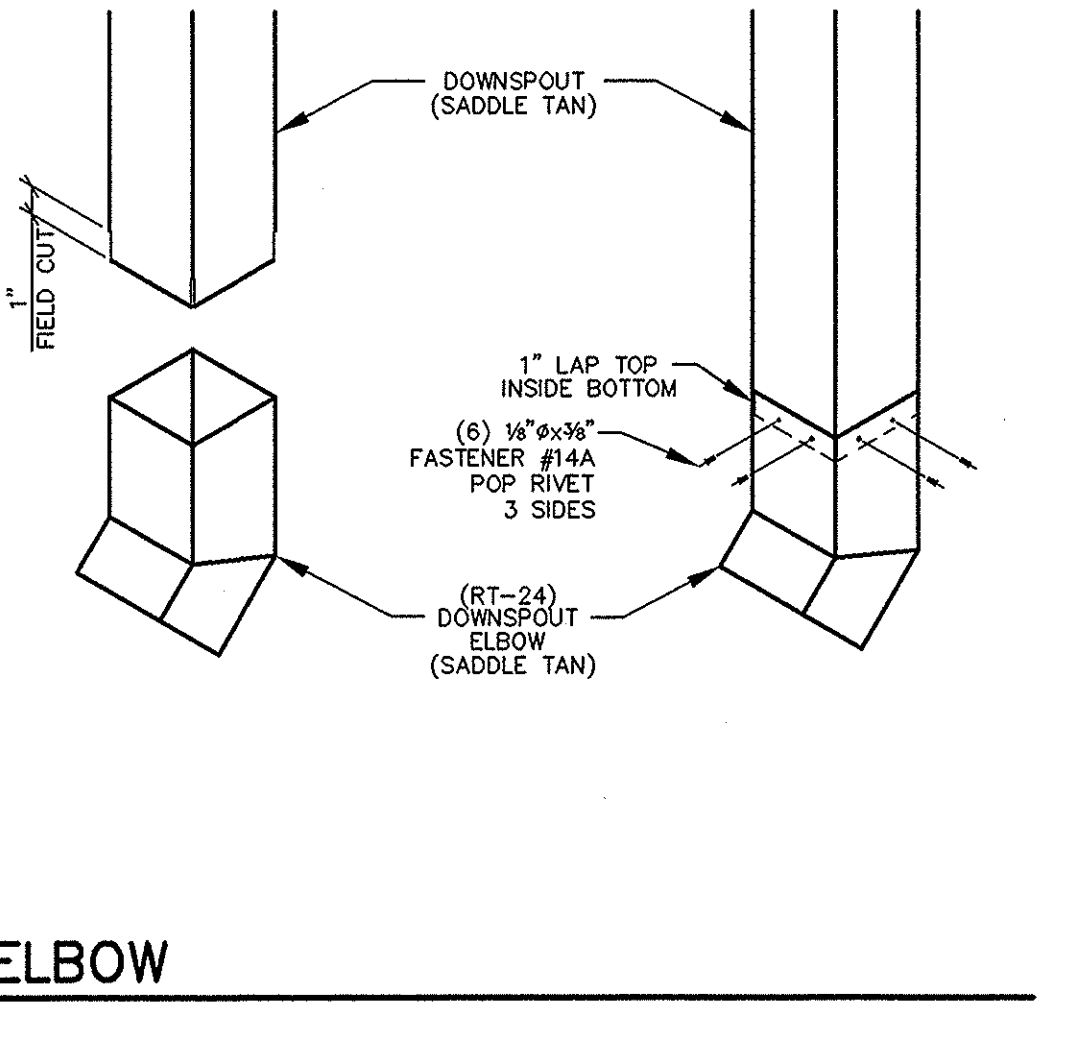
T15 SEALER TAPE AT EAVE SIDE LAP



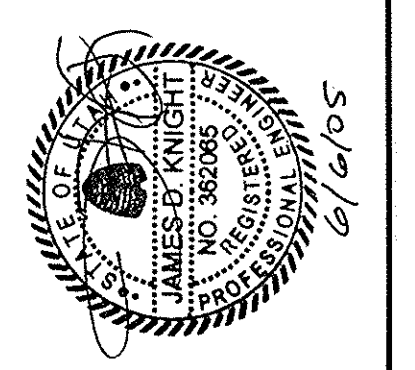
T16 DOWNSPOUT TO GUTTER



T17 2 PIECE DOWNSPOUT SPLICE & ELBOW



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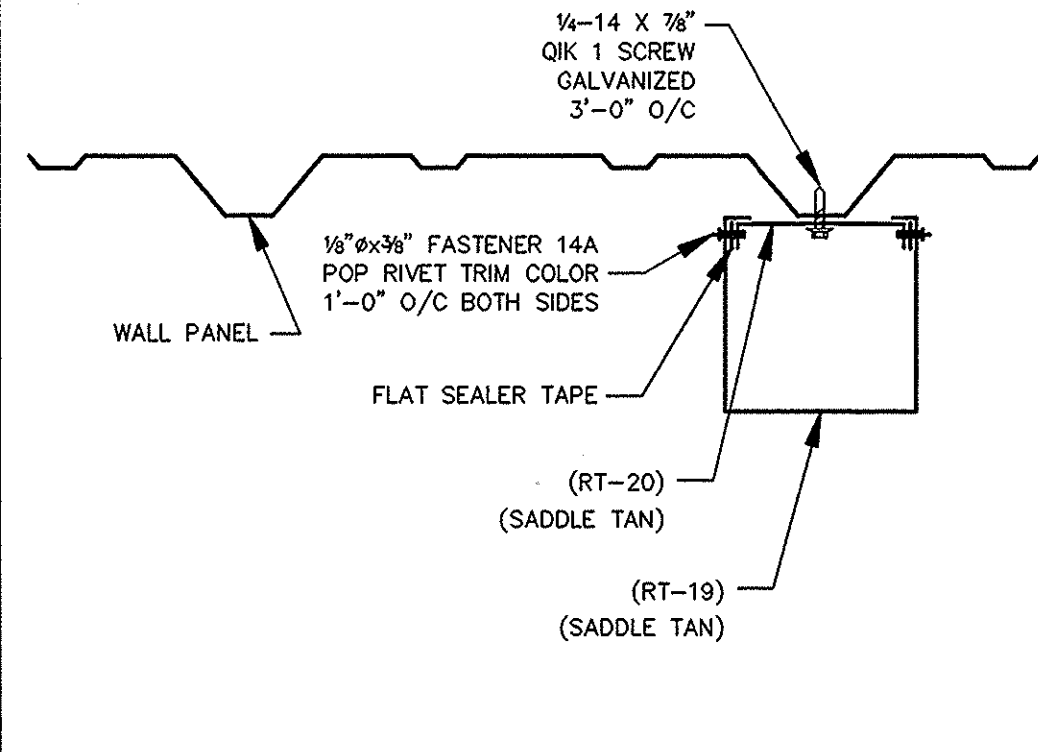
NO.	REVISIONS	DATE	PROFESSIONAL SEAL
A	DESIGN DRAWING - ISSUED FOR CONSTRUCTION	4/20/05	
B	DESIGN DRAWING - REISSUED FOR CONSTRUCTION	4/21/05	
O	ERECTIO DRAWING - ISSUED FOR CONSTRUCTION	5/12/05	

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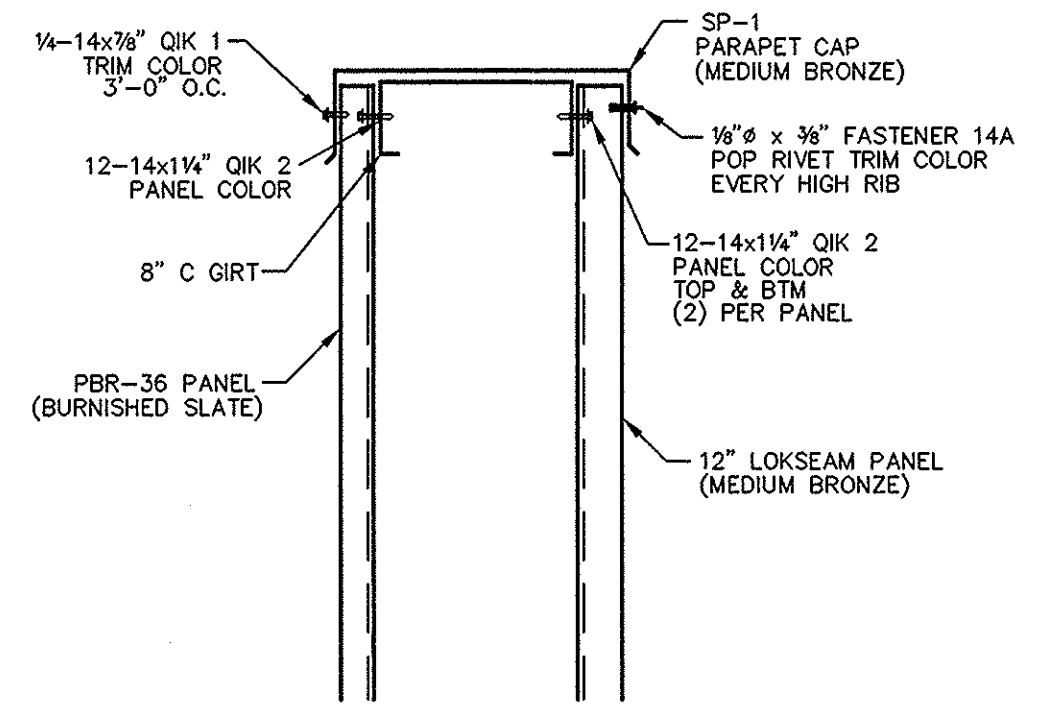
HAFB FIGHTER GALLERY ADDITION
 ROY, UTAH
 BIG-D CONSTRUCTION
 TRIM DETAILS

QUALITY COMPLEX BUILDINGS
AISC
 CERTIFICATION
 SHEET: D3.1
 JOB NUMBER: 03087

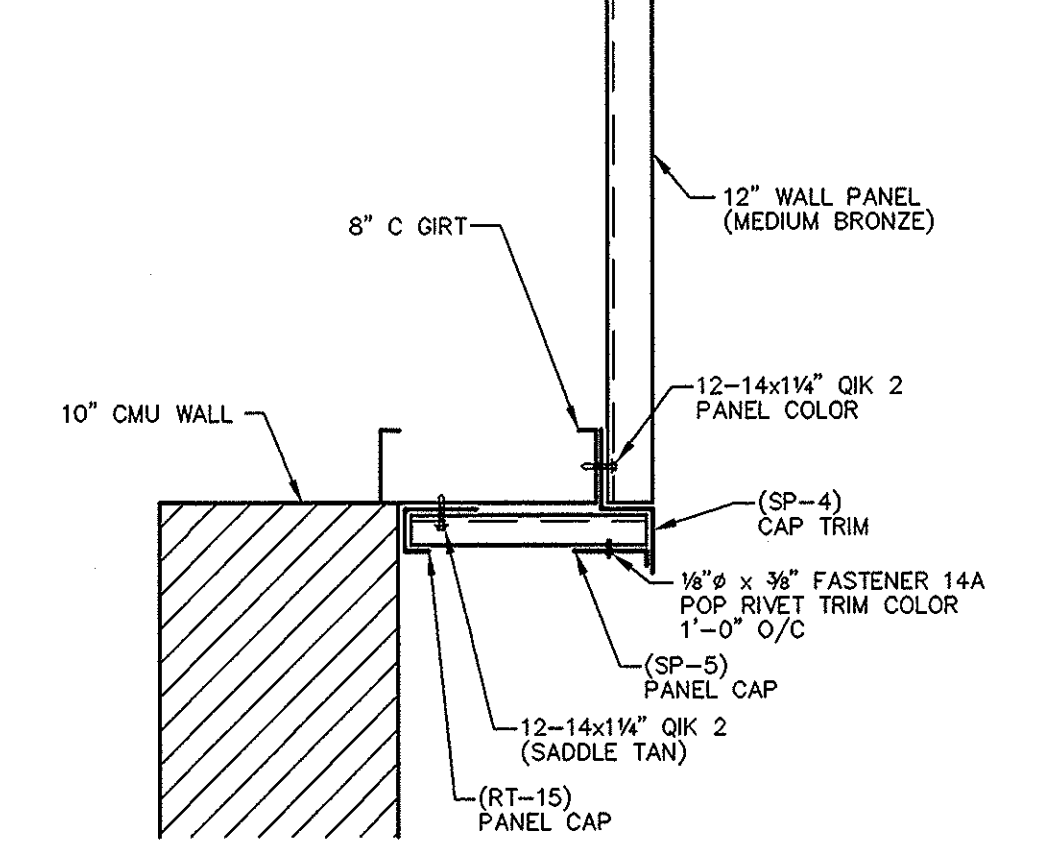
T18 DOWNSPOUT TO WALL



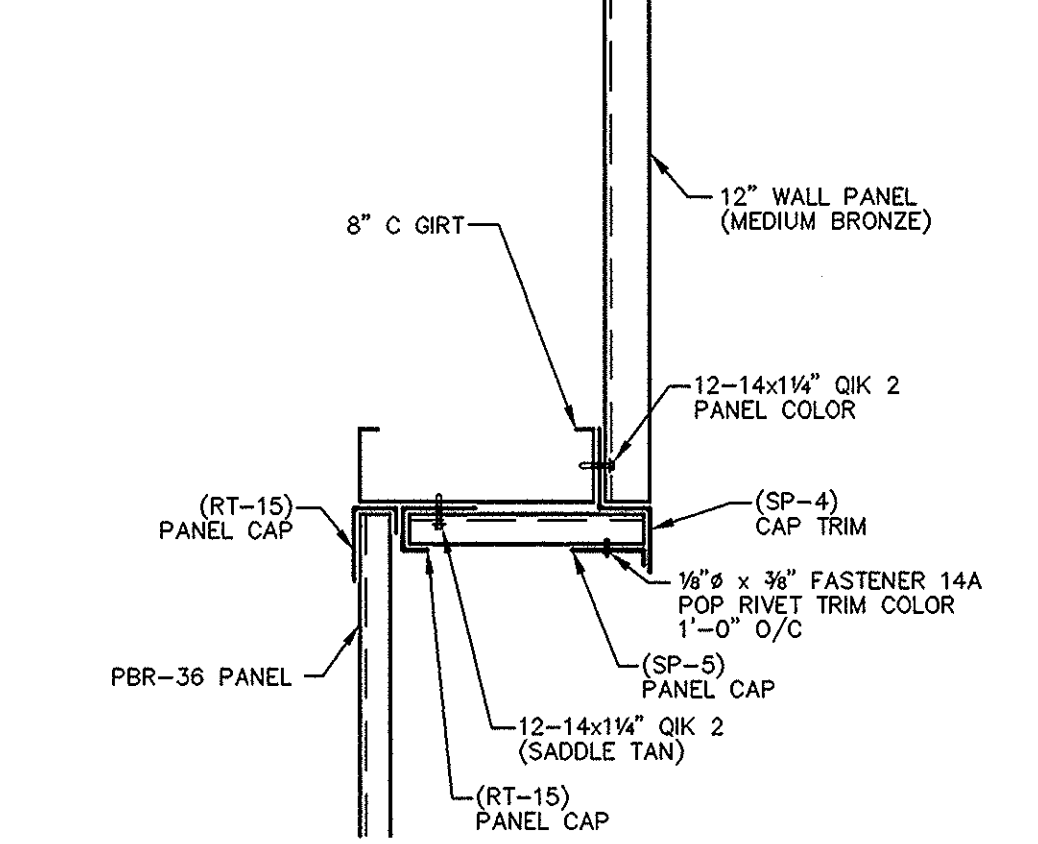
T19 PARAPET CAP



T20 SOFFIT DETAIL



T21 SOFFIT DETAIL



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SHEET: **D3.2**

JOB NUMBER: 03087