

ISOMETRIC STEEL BUILDING

ESCO MANUFACTURING, INC.



STEEL BUILDING SYSTEM

PO BOX 2331 TOA BAJA, P.R. 00951  
TEL. 794-1024 FAX 794-3310  
http://www.escopr.com

PURCHASER :  
WF CONSTRUCTION

PURCHASER ADDRESS :  
VILLA DE CANEY, TRUJILLO ALTO

PROJECT NAME :  
CANCHA ESC. VOCACIONAL EDUARDO GARCIA

PROJECT ADDRESS :  
CANOYANAS, PUERTO RICO

JOB NUMBER :  
2275

APPROVED BY :  
E. ESCOBAR LIC. 8661

IMPORTANT NOTES :

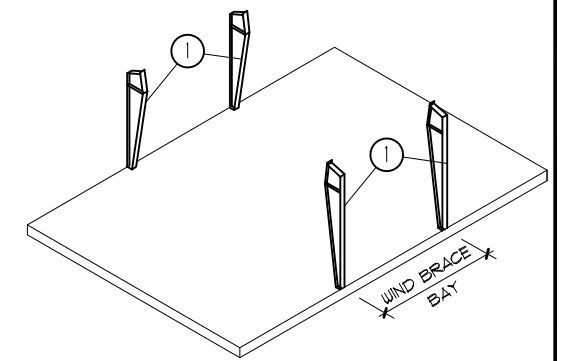
1. APPROVAL OF ESCO MANUFACTURING, INC. DRAWINGS INDICATES THAT ESCO MANUFACTURING, INC. CORRECTLY INTERPRETED THE CONTRACT DOCUMENTS AND SPECIFICATIONS. (SECT. 4.41. (a);(b);(c) AISC CODE OF STANDARD PRACTICE 13TH ED.)
2. ESCO MANUFACTURING SHOP AND ERECTION DRAWINGS ARE FURNISHED IN ACCORDANCE WITH THE SPECIFICATION OF THE CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AISC 13TH ED. AND THE METAL BUILDING MANUFACTURING ASSOCIATION MANUAL 2006 ED.
3. STEEL BUILDING WILL BE FABRICATED ACCORDING TO THE ANCHOR BOLTS LAYOUT ON THESE ESCO MANUFACTURING DRAWINGS. CONTRACTOR IS RESPONSIBLE OF INSTALLING BOLTS AS SPECIFIED IN THESE DRAWINGS.
4. ANCHOR BOLT PLANS PREPARED BY ESCO MANUFACTURING, INC. ARE INTENDED TO SHOW ONLY LOCATION, DIAMETER AND PROJECTION OF ANCHOR BOLTS REQUIRED TO ATTACH THE METAL BUILDING SYSTEM TO THE FOUNDATION. ESCO OR ESCO'S ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN, MATERIALS AND WORKMANSHIP OF THE FOUNDATION. (SECT. 3.22 MBMA 2006 ED.) ANCHOR BOLTS LOCATION TOLERANCE SHALL BE IN ACCORDANCE WITH SECT. 15 OF AISC CODE OF STANDARD PRACTICE 13TH ED.
5. WHERE DISCREPANCIES EXIST BETWEEN THE ESCO MANUFACTURING DRAWINGS AND THE DRAWINGS FOR OTHER TRADES, ESCO APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS PROVIDED. WHEN DISCREPANCIES BETWEEN THE STRUCTURAL STEEL DRAWINGS AND DRAWINGS FOR OTHER TRADES EXIST, THE STRUCTURAL STEEL DRAWINGS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE 13TH ED.)
6. DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY ESCO MANUFACTURING, INC. ARE THE RESPONSIBILITY OF OTHERS THAN ESCO MANUFACTURING, INC.
7. END CUSTOMER, CONTRACTOR AND ENGINEER OF RECORD ARE RESPONSIBLE OF VERIFYING THAT LOCATION OF WALL BRACINGS DOES NOT INTERFERE WITH THE ARCHITECTURAL OR OTHER DRAWINGS. RELOCATION OF WALL BRACINGS AFTER ESCO DRAWINGS APPROVAL MAY REQUIRE CHANGES IN FOOTINGS, STRUCTURE DESIGN AND ADDITIONAL FABRICATION AND ERECTION COSTS.
8. CONTRACTOR AND END CUSTOMER ARE RESPONSIBLE OF MAINTAINING WALL BRACING LOCATION AS SPECIFIED IN ESCO STEEL DRAWINGS. ESCO ASSUMES NO RESPONSIBILITY FOR RELOCATION OR MODIFICATION OF BRACINGS BY OTHERS.
9. ENGINEER OF RECORD IS RESPONSIBLE OF PREPARING THE CONSTRUCTION DRAWINGS WITH ALL DIMENSIONS, MATERIAL SPECIFICATION AND DESIGN CRITERIA REQUIREMENTS TO THE STEEL STRUCTURE MANUFACTURER. THOSE CONSTRUCTION DRAWINGS ARE THE ONES THAT THE ENGINEER OF RECORD SHALL SUBMIT TO THE CORRESPONDING GOVERNMENT AGENCIES FOR ANY PERMIT APPROVAL.
10. GROUTING SHALL BE RESPONSIBILITY OF OWNER'S DESIGNATED REPRESENTATIVE FOR CONSTRUCTION. ALL COLUMNS WITH ATTACHED BASE PLATES AND ALL MEMBERS SUPPORTED ON LEVELING NUTS AND WASHERS, SHIMS OR ANY OTHER LEVELING DEVICES, SHALL BE PROMPTLY GROUTED. AFTER STRUCTURAL STEEL FRAME HAS BEEN PLUMBED. (SECT. 7.1 AISC CODE OF STANDARD PRACTICE 13TH ED.)
11. BUILT-UP RIGID FRAMES GRADES ARE AS FOLLOWS: FOR WEBS AND PLATES A36 AND FOR FLANGES A50. ALL HOT-ROLL SECTIONS ARE A572-50.

FRAME ERECTION :

BEGIN ERECTION OF THE BUILDING STARTING WITH AN INTERIOR BAY, AND ONE WITH PERMANENT WIND BRACING.

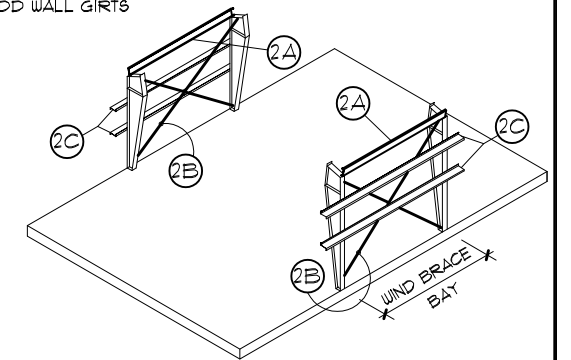
STEP 1

STAND MAIN FRAME COLUMNS AND TURN NUTS ON ANCHOR BOLTS, BUT DO NOT TIGHTEN THEM NOW.



STEP 2

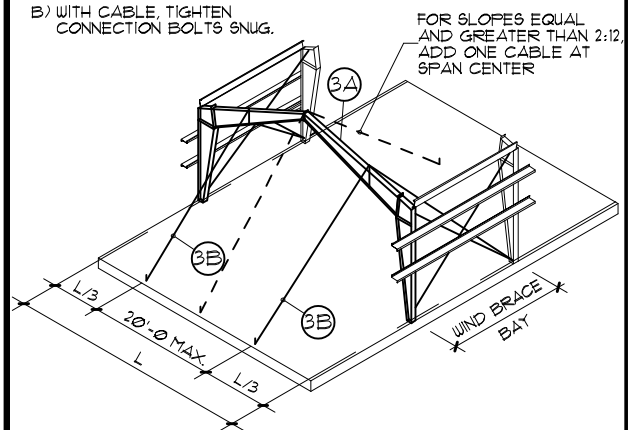
- A) ADD WALL GIRTS EAVE STRUT
- B) ADD WALL CROSS BRACING, LEAVE BOLTS AND NUTS FINGER-TIGHT FOR NOW.
- C) ADD WALL GIRTS



\* WHEN PORTAL FRAME IS USED INSTEAD OF CROSS BRACING, INSTALL PORTAL IN STEP 2B.

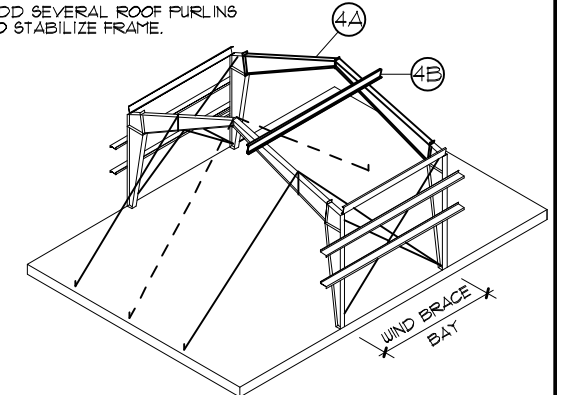
STEP 3

- A) ADD MAIN FRAME RAFTER AND SECURE
- B) WITH CABLE, TIGHTEN CONNECTION BOLTS SNAUG.



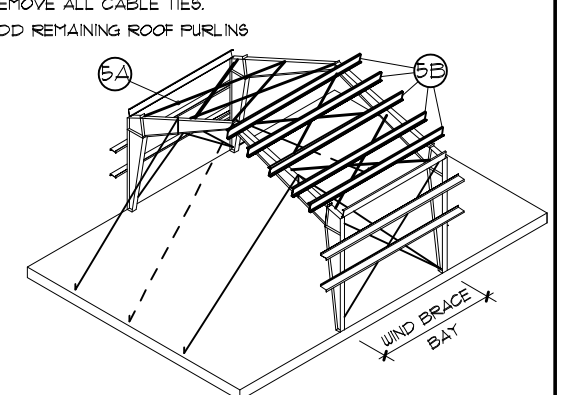
STEP 4

- A) ADD ANOTHER MAIN FRAME RAFTER
- B) ADD SEVERAL ROOF PURLINS TO STABILIZE FRAME.



STEP 5

- A) ADD ROOF CROSS BRACING, SNAUG TIGHTEN ONLY AND REMOVE ALL CABLE TIES.
- B) ADD REMAINING ROOF PURLINS



STEP 6

ENDWALL FRAMING : ADD CORNER COLUMNS, SIDEWALL GIRTS AND EAVE STRUTS, THEN PROCEED WITH ENDWALL COLUMNS, RAFTERS, REMAINING ROOF PURLINS AND FLANGE BRACES.

WHEN THE FRAME WORK IS STANDING, THE STRUCTURE SHOULD BE PLUMBED AND SQUARED. USE A LEVEL FOR WALL COLUMNS. SQUARE THE ROOF WITH THE USE OF THE CROSS BRACES. TAKING DIAGONAL MEASUREMENTS AND ADJUSTING THE TENSION OF THE WALL BRACINGS WILL SQUARE THE ROOF AND AID IN PLUMBING THE ENDWALLS. SOME BUILDINGS WILL ALSO HAVE CROSS BRACING IN THE ENDWALLS. TIGHTEN ALL CONNECTIONS BOLTS.

ESCO STANDARD COLORS:

MARK IN THE CHECK BOX  YOUR SELECTION  
" MARQUE EN LA CASILLA  SU SELECCION "

	WHITE-50 " BLANCO-50 "	<input type="checkbox"/>	<input type="checkbox"/>
	BLUE-51 " AZUL-51 "	<input type="checkbox"/>	<input type="checkbox"/>
	TERRACOTTA RED-52 " ROJO TERRACOTA-52 "	<input type="checkbox"/>	<input type="checkbox"/>
	MINT GREEN-53 " VERDE MENTA-53 "	<input type="checkbox"/>	<input type="checkbox"/>
	BEIGE-54 " CREMA-54 "	<input type="checkbox"/>	<input type="checkbox"/>
	GALVALUME ( MILL FINISH ) " GALVANIZADO "	<input type="checkbox"/>	<input type="checkbox"/>

COLORS " VER " NOTES FOR COLOR " | COLOR CODES " CODIGO DE COLORES "

ROOF WALL

PANEL " PANEL " | PANEL " PANEL "

GENERAL NOTES FOR COLORS:

1. THE FINAL COLORS ARE SIMILAR TO THOSE SHOWN HERE. TO REQUIRE A PHYSICAL SAMPLE OF THE COLOR PLEASE CONTACT OUR FACTORY.  
\* LOS COLORES FINALES SON SIMILARES A LOS AQUI MOSTRADOS. DE REQUERIR UNA MUESTRA FISICA DEL COLOR FAVOR COMUNICARSE A NUESTRA FABRICA. \*
2. NOT ALL COLORS SHOWN ARE ALWAYS AVAILABLE. CALL FACTORY PRIOR TO APPROVAL FOR COLOR AVAILABILITY.  
\* NO TODOS LOS COLORES QUE SE MUESTRAN ESTAN SIEMPRE DISPONIBLE. FAVOR LLAMAR A LA FABRICA PARA VERIFICAR DISPONIBILIDAD. \*
3. IN THE EVENT THAT NO COLOR IS SELECTED, ESCO WILL APPLY COLORS SPECIFIED ON OUR CONTRACT, IF AVAILABLE.  
\* EN LA EVENTUALIDAD DE QUE NINGUN COLOR SEA ELEGIDO, ESCO APLICARA LOS COLORES ESPECIFICADOS EN NUESTRO CONTRATO. \*
4. ALL DOWNSPOUTS WILL BE AVAILABLE IN WHITE COLOR FINISH.  
\* TODOS LOS BAJANTES ESTARAN DISPONIBLES EN TERMINACION DE COLOR BLANCO. \*
5. ALL BLACK STEEL COLUMNS, BEAMS AN BRACINGS WILL BE PAINTED WITH RED OXIDE.  
\* TODO MATERIAL DE ACERO DE COLUMNAS, VIGAS Y ARRIOSTRAMIENTO RESISTENTE A VIENTOS ESTARAN PINTADOS EN OXIDO ROJO. \*
6. ALL ROOF AND WALL TRIMS ( FLASHING ) ARE WHITE UNLESS SPECIFICATED OTHERWISE ON CONTRACT.  
\* TODAS LAS TERMINACIONES SON BLANCAS A MENOS QUE SE HAYA ESPECIFICADO LO CONTRARIO EN EL CONTRATO. \*

SPECIAL NOTES FROM:

CONTRACTOR / OWNER

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BUILDING LOADS / DESCRIPTION:

WIDTH: 60.04 LENGTH: 100.04 HEIGHT: 24 / 24  
(BUILDING DIMENSIONS ARE NOMINAL. REFER TO PLANS).

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY : FRC-18 (IBC-18) (ASCE-7). DESIGN IS IN ACCORDANCE WITH THE APLICABLE SECTIONS OF THE AISC 360-16.

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

ROOF DEAD LOAD: 2.000 PSF (PURLINS & ROOF PANEL)

COLLATERAL LOAD: 0 PSF

ROOF LIVE LOAD: 20.00 PSF

BASIC WIND SPEED: 164 MPH

WIND EXPOSURE: B

SEISMIC ZONE: D

OTHER LOADS:

IMPORTANCE FACTORS: DEFLECTION LIMITS:

WIND LOAD: 1.00 RIGID FRAME (HORZ.) 60

SEISMIC LOAD 1.00 RIGID FRAME (VERT.) 180



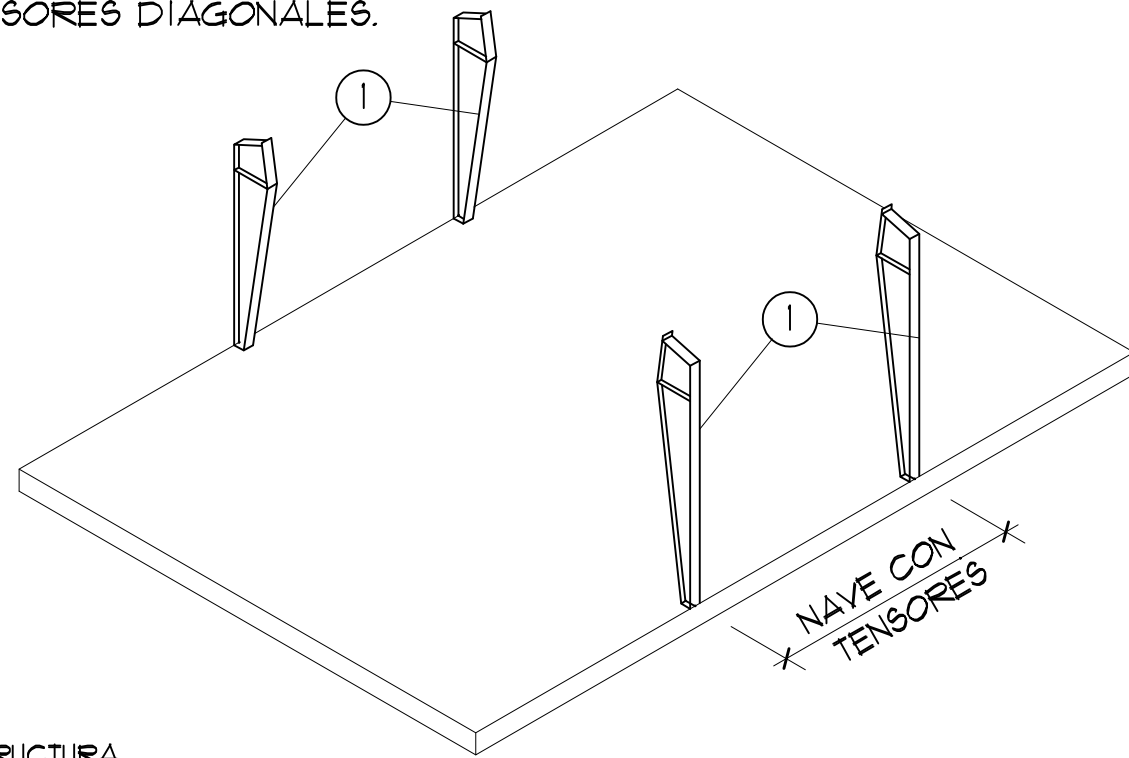
THESE ESCO MANUFACTURING DRAWINGS SHOWS THE PRODUCT THAT ESCO WILL SUPPLY AND ARE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE ERECTION DRAWINGS AND ILLUSTRATES THE SHOP MEMBERS FURNISHED BY ESCO AS THE FINAL PRODUCT THAT WILL BE DELIVERED. ERECTION DRAWINGS ARE NOT REQUIRED TO BE SEALED. IN ANY EVENT, THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT ESCO OR ESCO'S ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. (SECT.3.3.2 MBMA MANUAL 2006 ED.)

APPROVED.  APPROVED BY: CONTRACTOR  
APPROVED IN ACCORDANCE WITH NOTES.  SIGNED: " FIRMA CONTRATISTA " DATE : " FECHA "  
REVIEW NOTES AND RESUBMIT.  APPROVED BY: OWNER OR REPRESENTATIVE  
SIGNED: " FIRMA DUENO O REPRESENTANTE " DATE : " FECHA "

MARK IN THE CHECK BOX  YOUR SELECTION  
" MARQUE EN LA CASILLA  SU SELECCION "

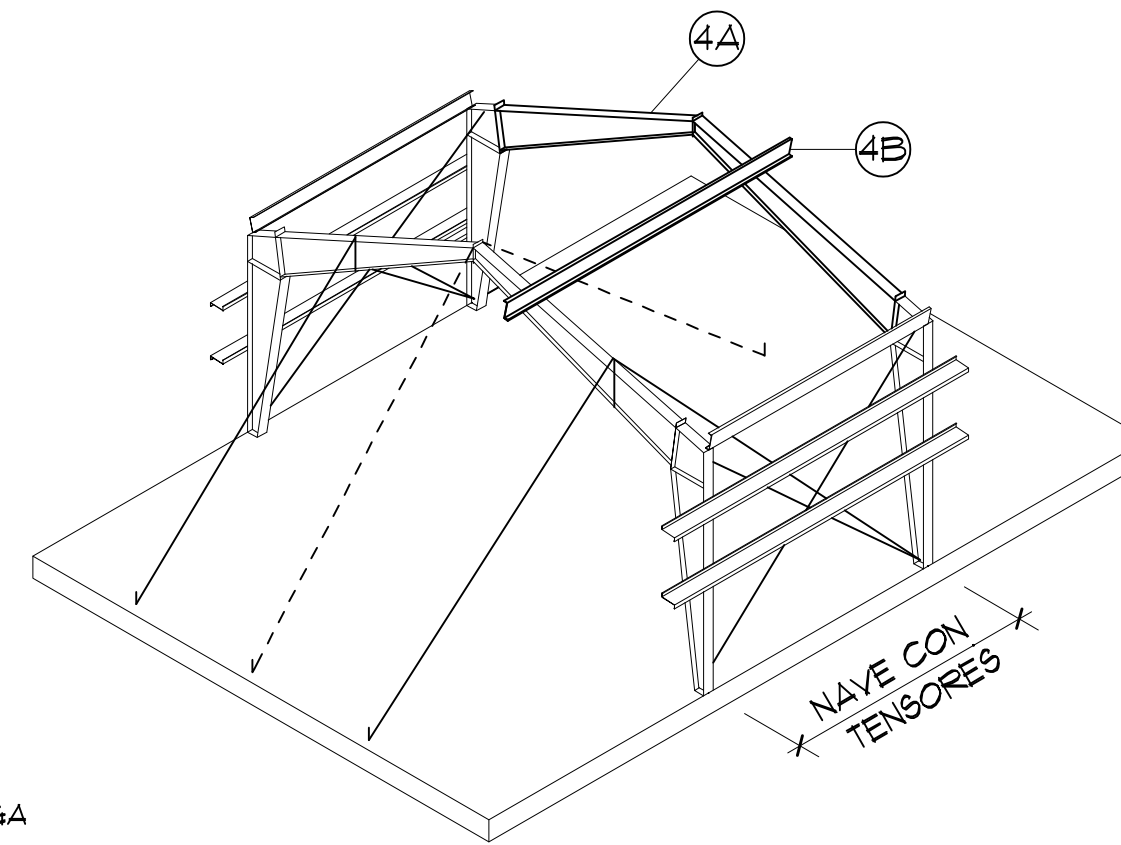
# INSTALACION DE ESTRUCTURA :

COMIENCE LA INSTALACION DE LA ESTRUCTURA CON UNA NAVE INTERIOR QUE CONTENGA TENSORES DIAGONALES.



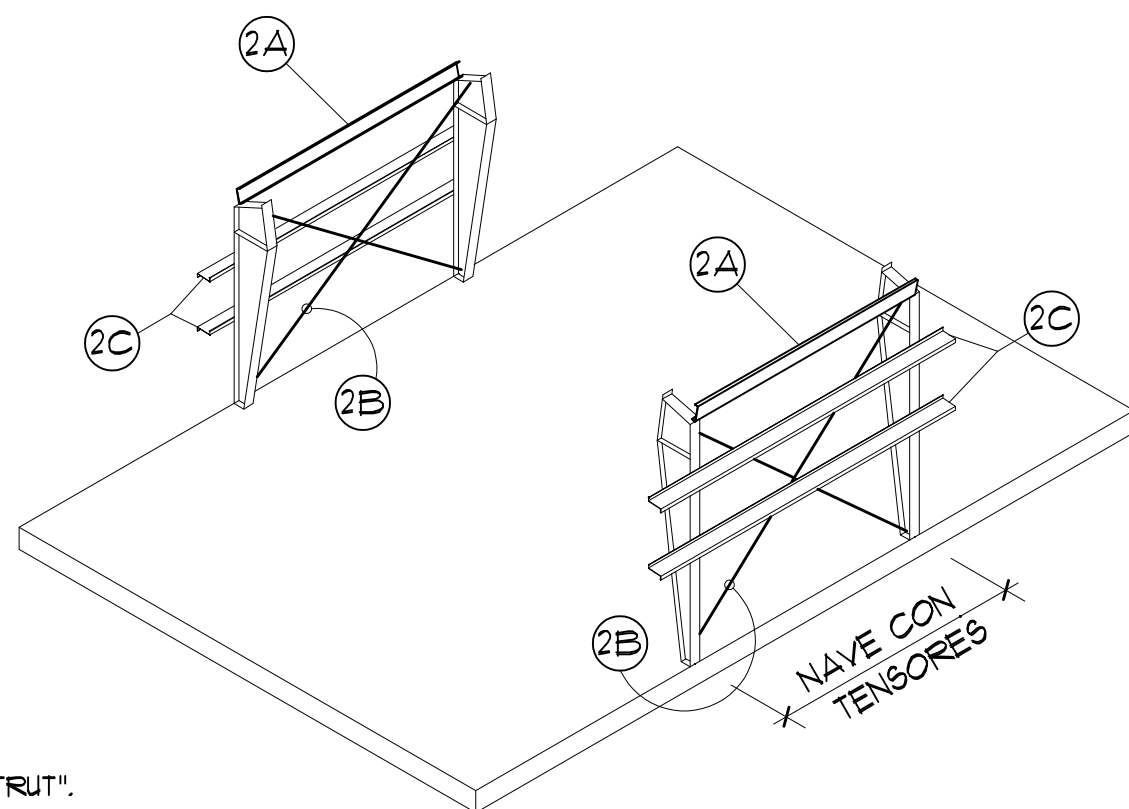
## PASO 1

LEVANTE LAS COLUMNAS PRINCIPALES DE LA ESTRUCTURA Y ANCLE A LOS PERNOS Y FIJE LAS TUERCAS. NO LAS APRIETE AUN.



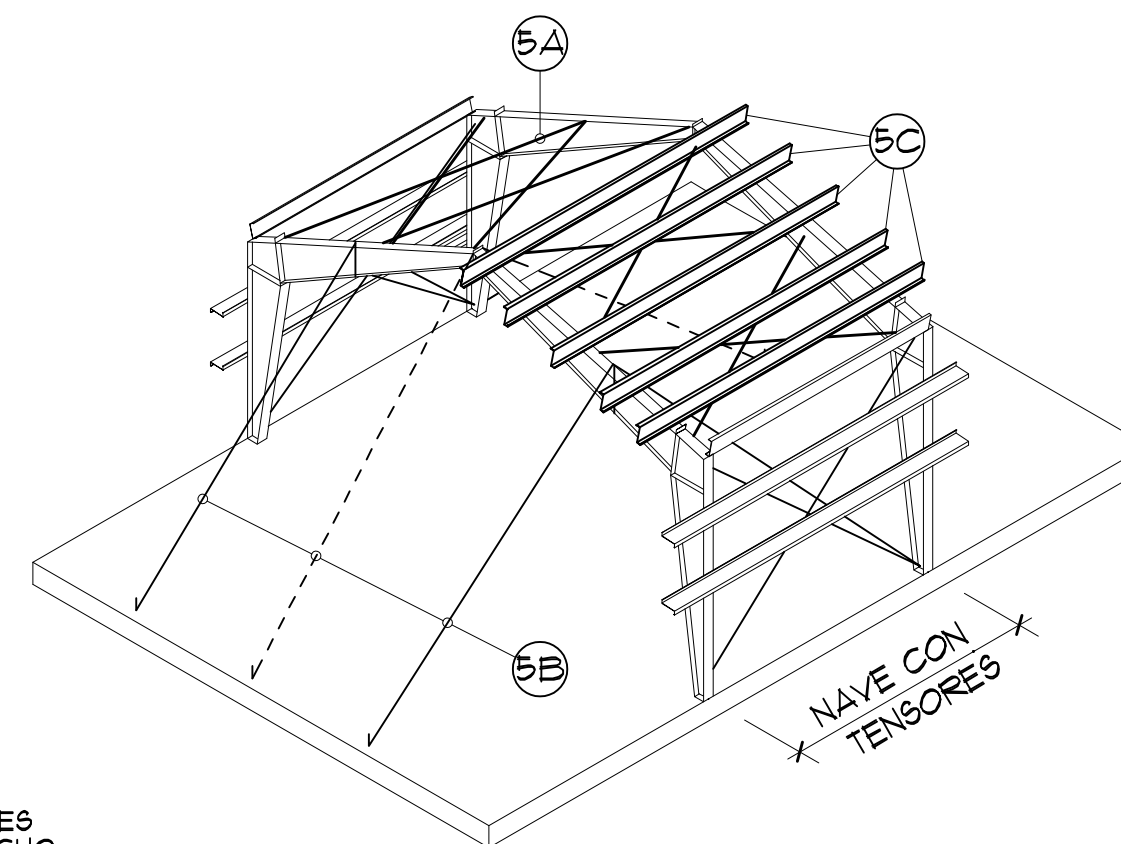
## PASO 4

A) INSTALE LA OTRA VIGA PRINCIPAL.  
B) INSTALE VARIOS "PURLINS" PARA ESTABILIZAR LA ESTRUCTURA.



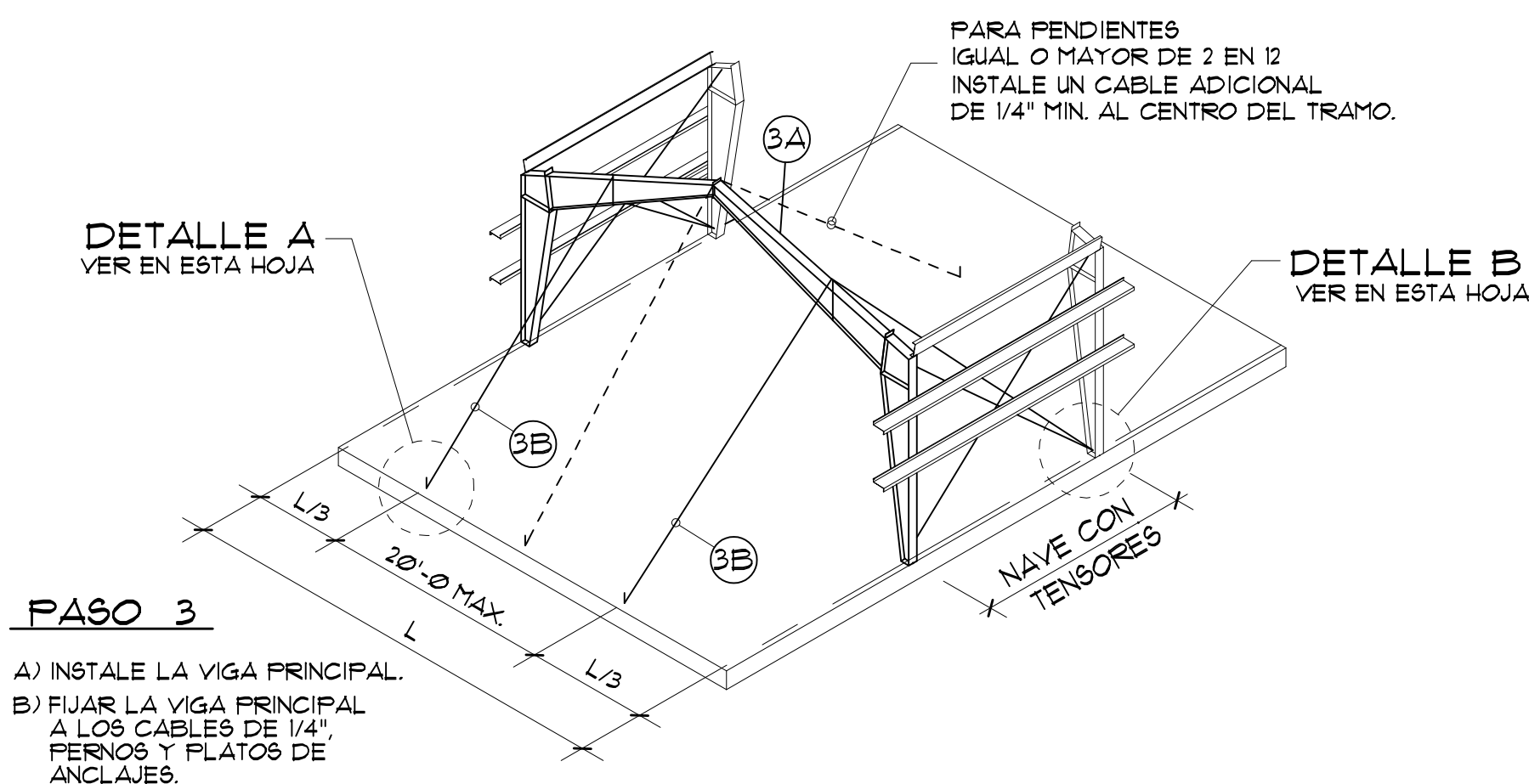
## PASO 2

A) INSTALE LOS "EAVE STRUT".  
B) INSTALE LOS TENSORES DIAGONALES COLOQUE LAS TUERCAS Y TORNILLOS FIJANDOLOS A MANO POR EL MOMENTO.  
C) INSTALE LOS "GIRTS" DE LA NAVE.



## PASO 5

A) INSTALE LOS TENSORES DIAGONALES DEL TECHO.  
B) REMUEVA LOS CABLES DE 1/4".  
C) INSTALE LOS "PURLINS" RESTANTES.



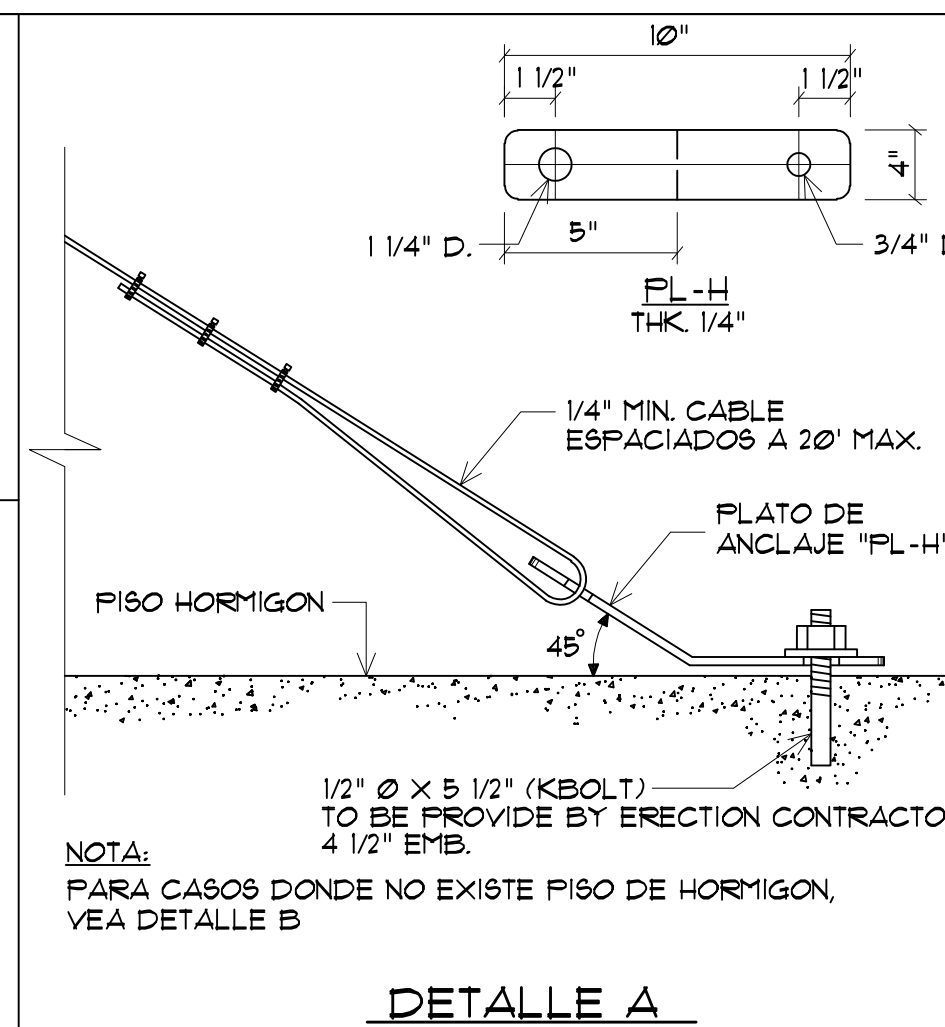
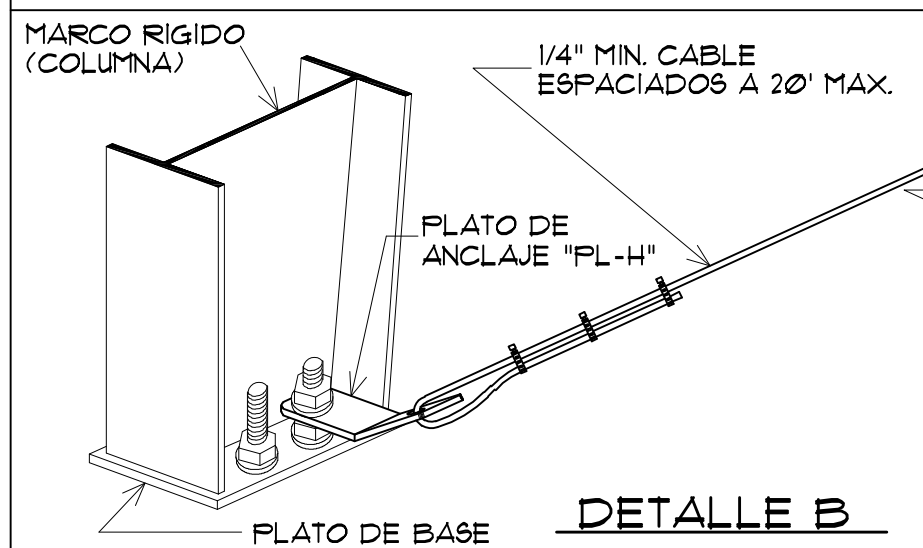
## PASO 3

A) INSTALE LA VIGA PRINCIPAL.  
B) FIJAR LA VIGA PRINCIPAL A LOS CABLES DE 1/4" PERNOS Y PLATOS DE ANCLAJES.

## PASO 6

MARCO FRONTAL Y POSTERIOR: INSTALE LAS COLUMNAS DE ESQUINA, LOS "GIRTS" LATERALES Y LOS "EAVE STRUTS". LUEGO LAS COLUMNAS INTERMEDIAS, VIGAS Y LOS "PURLINS" DE TECHO RESTANTES. FINALMENTE INSTALE TODOS LOS "FLANGE BRACES"

CUANDO TODA LA ESTRUCTURA ESTE EN PIE, LA MISMA DEBE ESTAR APLOMADA Y A ESQUADRA. UTILICE UN NIVEL PARA LAS COLUMNAS. CUADRE EL TECHO USANDO LOS TENSORES DIAGONALES TOMANDO MEDIDAS DIAGONALES Y AJUSTANDO LOS TENSORES. AJUSTE TODOS LOS TORNILLOS DE CONEXION.



NO.	DATE	REVISIONS	BY

Project name:  
**CANCHA ESCUELA VOCACIONAL  
EDUARDO GARCIA  
CANOVANAS, PUERTO RICO**

client:  
UF CONSTRUCTION

drawn by:  
Josian Hernández  
Detailer Lic-2602

approved by:  
date:

ESCO MANUFACTURING, INC.  
**ESCO**  
STEEL BUILDING SYSTEM

PO BOX 2381 TOA BAJA, P.R. 00951  
TEL. 784-1024 FAX 784-9910

drawn by:  
date: 3/9/20  
chk'd by: date:

approved by: Lic.  
E. Escobar 0061  
Job no. 2215

dwg no. of  
TIT-2 1SD

THESE ESCO MANUFACTURING DRAWINGS SHOWS THE PROJECT THAT ESCO WILL SUPPLY AND ARE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE ERECTION DRAWINGS AND ILLUSTRATES THE SHOP MEMBERS FURNISHED BY ESCO AS DRAWINGS ARE NOT REQUIRED TO BE SEALED IN ANY EVENT, THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT ESCO OR ANY OF ITS REPRESENTATIVES ARE A REGISTERED PROFESSIONAL OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. (SECT 33.2 MEBA MANUAL 2006 ED.)

NO.	DATE	REVISIONS	BY

Project name:  
**CANGHA ESCUELA VOCACIONAL**  
**EDUARDO GARCIA**  
**CANOANAS, PUERTO RICO**

client:  
 WF CONSTRUCTION

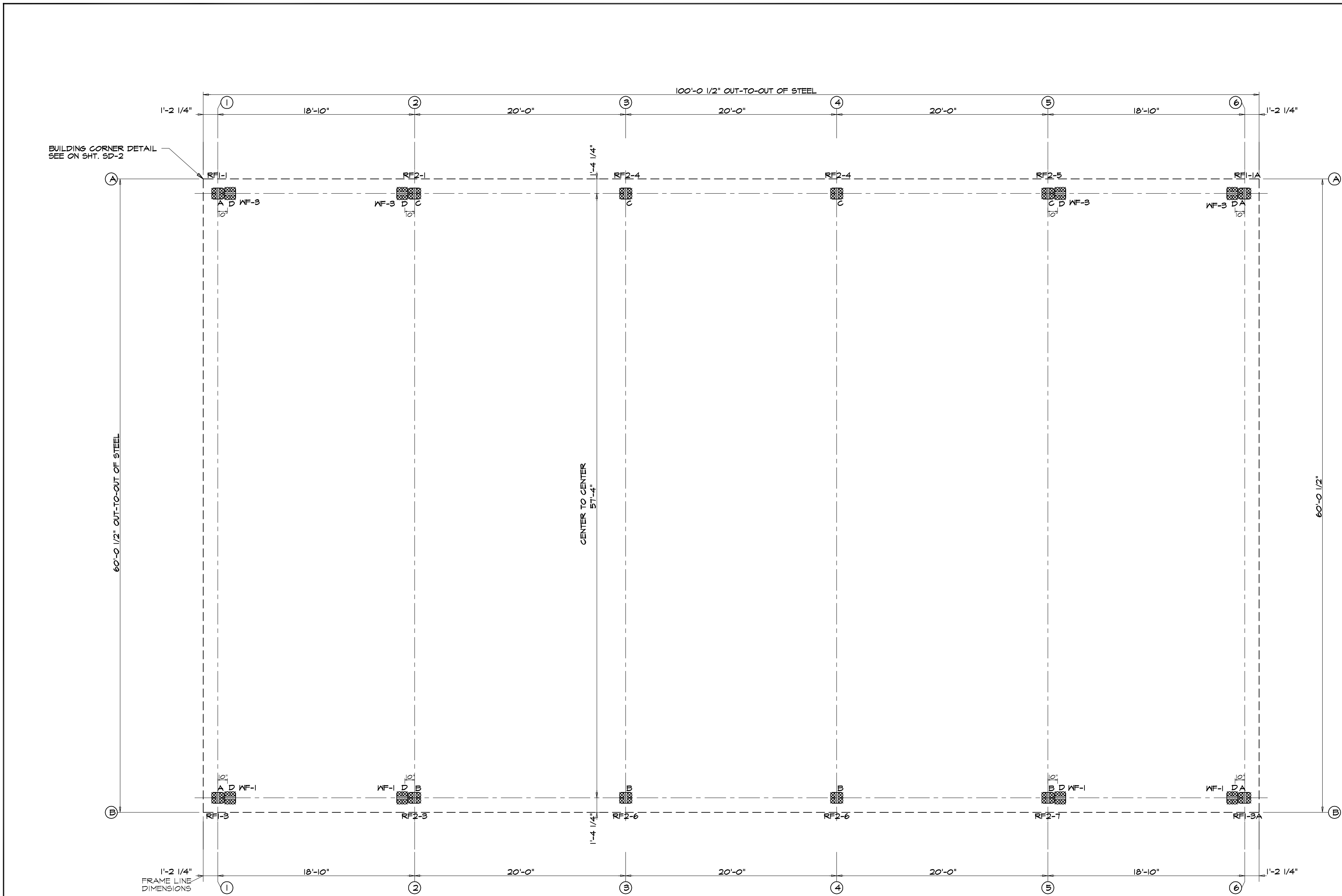
approved by:      date:

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 STEEL BUILDING SYSTEM  
 PO BOX 2381 TOA BAJA, P.R. 00951  
 TEL. 784-1024 FAX 784-9810

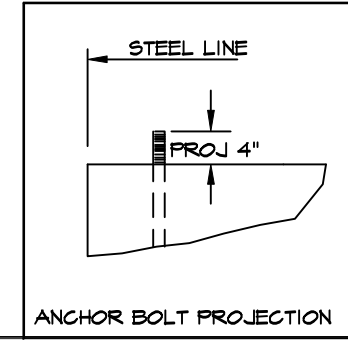
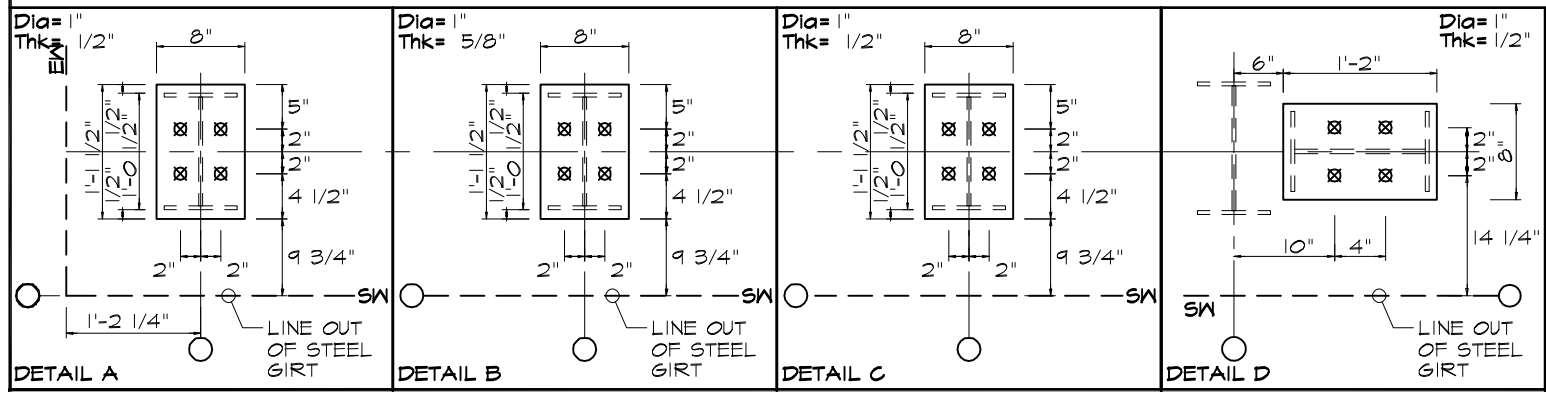
drawn by:  
 date: 3/ 9/20  
 chk'd by:      date:

approved by: Lic.  
 E. Escobar      8661

2275	
diag no.	of
ISD-1	10



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



**ANCHOR BOLT SUMMARY**

Qty	Locate	Dia (in)	Type	Total Len (in)	Bend Len (in)	Proj (in)
80	Frame	1"	ABOT	24.0	6.00	4.00

4" THRD MIN.  
 (2) HEX NUTS  
 (1) WASHER  
 2'-0" MIN. UN.  
 ASOT



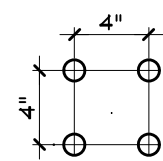
**GENERAL NOTES**

- FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF ESCO MNFG.
- THE BUILDING REACTION DATA REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION.
- ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.
- COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED A BEARING PRESSURE OF 1125 POUNDS PER SQUARE INCH.

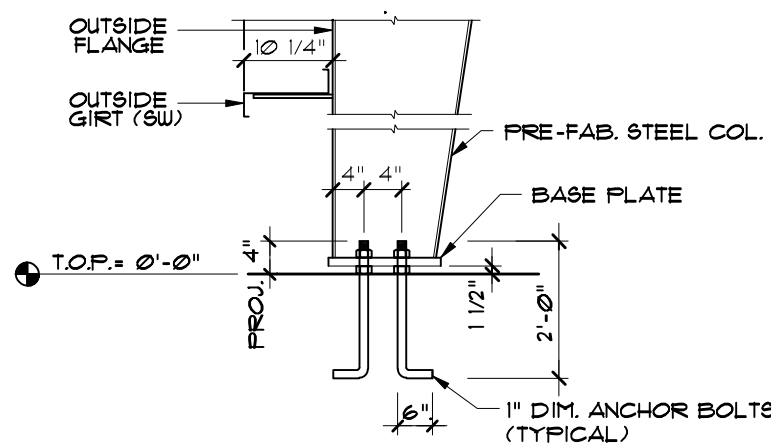
**BUILDING BRACING REACTIONS**

Wall Loc Line	Col Line	± Reactions(k)				Panel Shear (lb/Ft)		Note
		Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Wind	Seis	
L_EW	1							003003
F_SW	B	1.2						
R_EW	6							
B_SW	A	5.6						

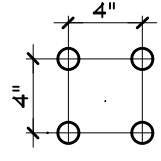
(a) Wind bent in bay  
(h) Rigid frame at endwall



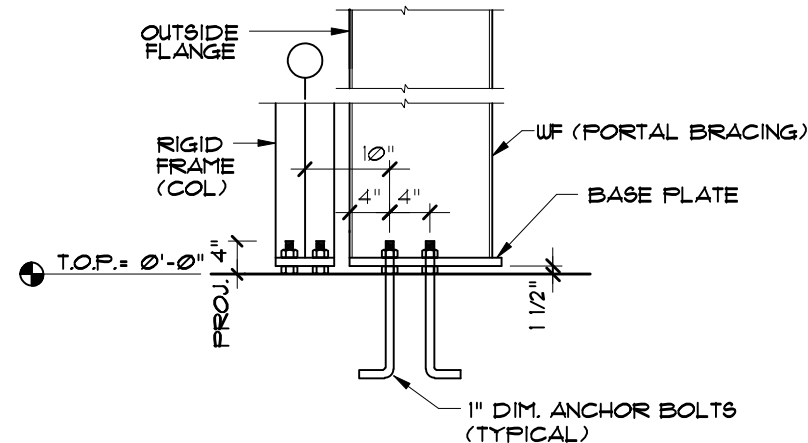
**PLAN VIEW**  
N.T.S.



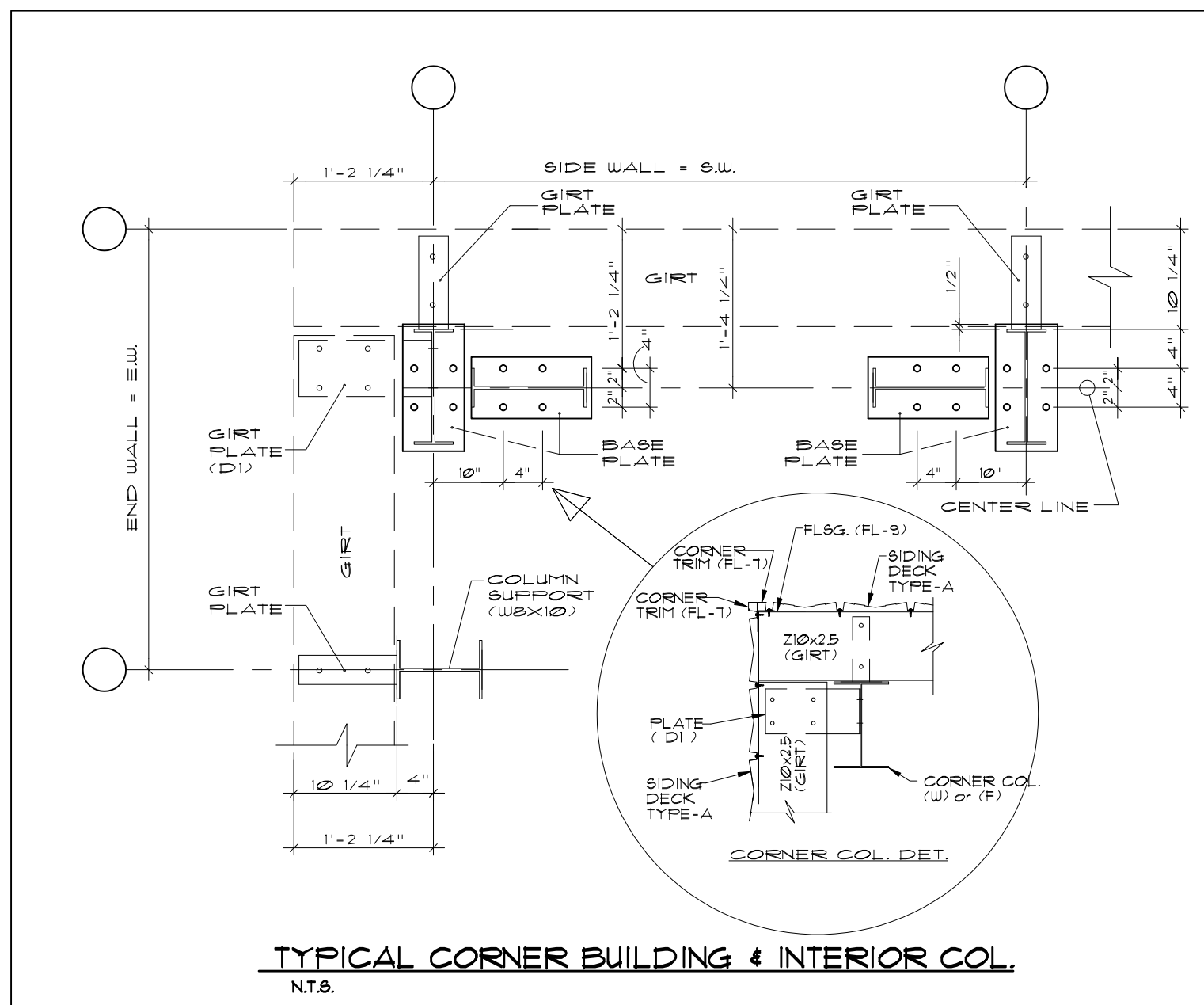
**TYPICAL SECTION RIGID FRAME**  
N.T.S.



**PLAN VIEW**  
N.T.S.

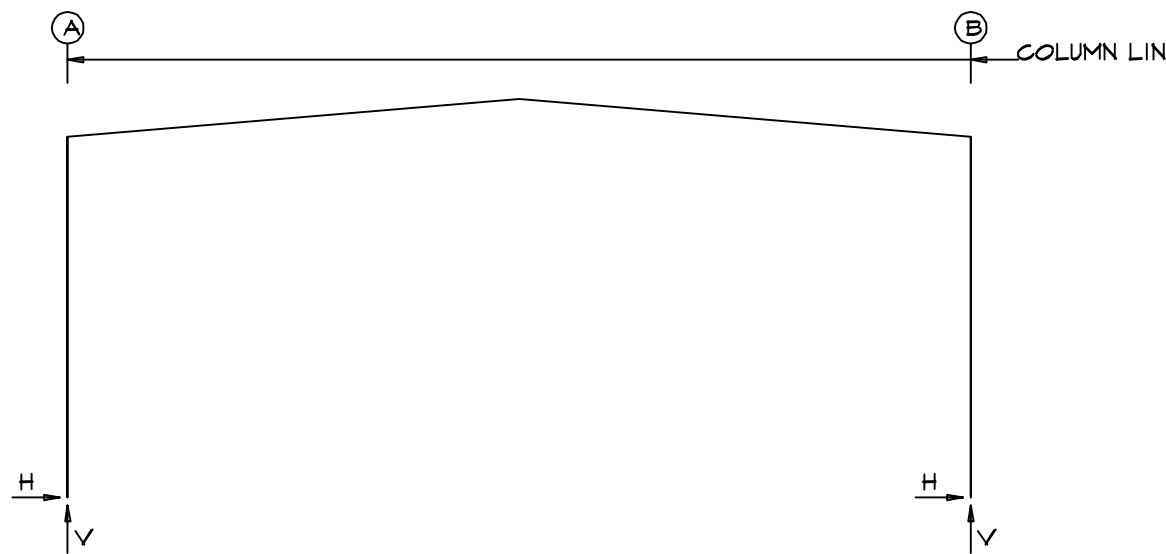


**TYPICAL SECTION PORTAL BRACING**  
N.T.S.



**TYPICAL CORNER BUILDING & INTERIOR COL.**  
N.T.S.

FRAME LINES: 1 2 3 4 5 6



**RIGID FRAME: MAXIMUM REACTIONS**

Frm Line	Col Line	Column Reactions(k)					
		Load Id	Hmax	Vmax	Load Id	Hmin	Vmin
1*	A	5	3.1	7.5	2	-4.9	-11.2
	B	1	3.1	8.2	4	-3.1	9.5
1*	B	3	4.0	-17.7	4	-3.1	9.5
	A	1	-3.1	10.8	3	4.0	-17.7

1\* Frame lines: 1 6

**RIGID FRAME: MAXIMUM REACTIONS**

Frm Line	Col Line	Column Reactions(k)					
		Load Id	Hmax	Vmax	Load Id	Hmin	Vmin
2*	A	1	3.6	9.4	2	-7.1	-15.9
	B	3	5.9	-24.6	1	-3.6	12.8
2*	B	1	-3.6	12.8	3	5.9	-24.6

2\* Frame lines: 2 3 4 5

**RIGID FRAME: BASIC COLUMN REACTIONS (k)**

Frame Line	Column Line	---Dead---		---Live---		--Wind_Left1-		-Wind_Right1-		--Wind_Left2-		-Wind_Right2-	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1*	A	1.0	3.0	2.0	5.2	-4.2	-21.7	-4.2	-13.0	-6.7	-15.1	-1.8	-6.4
1*	B	-1.0	3.4	-2.0	7.4	4.7	-17.2	7.6	-32.9	2.2	-10.6	5.2	-26.3
2*	A	0.8	2.5	2.8	6.9	-12.6	-28.9	-6.0	-17.4	-9.2	-20.1	-2.6	-8.6
2*	B	-0.8	3.0	-2.8	9.9	6.6	-23.0	10.6	-43.9	3.2	-14.2	7.1	-35.1

Frame Line	Column Line	--Wind_Long1-		--Wind_Long2-		-Seismic_Left		Seismic_Right	
		Horiz	Vert	Horiz	Vert	Horiz	Vert	Horiz	Vert
1*	A	-4.7	-14.3	-5.2	-11.7	-0.9	-0.7	0.9	0.7
1*	B	5.2	-11.7	4.7	-14.3	-0.9	-0.7	0.9	0.7
2*	A	-6.5	-19.1	-7.2	-15.6	-0.9	-0.7	0.9	0.7
2*	B	7.2	-15.6	6.5	-19.1	-0.9	-0.7	0.9	0.7

1\* Frame lines: 1 6  
2\* Frame lines: 2 3 4 5

**NOTES FOR REACTIONS**

- All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
- Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
- Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
- Building reactions are based on the following building data:
  - Width (ft) = 60.0
  - Length (ft) = 100.0
  - Eave Height (ft) = 24.0/ 24.0
  - Roof Slope (rise/12) = 1.0/ 1.0
  - Dead Load (psf) = 2.0
  - Collateral Load (psf) = 0.0
  - Roof Live Load (psf) = 20.0
  - Frame Live Load (psf) = 12.0
  - Wind Speed (mph) = 164.0
  - Wind Code = FRC 18 (IBC 18)
  - Exposure = B
  - Closed/Open = C
  - Importance Wind = 1.00
  - Importance Seismic = 1.00
  - Seismic Zone = D
  - Seismic Coeff (Fa\*Se) = 1.15
- Loading conditions are:
  - 1 Dead+Collateral+Live
  - 2 0.6Dead+0.6Wind\_Left1
  - 3 0.6Dead+0.6Wind\_Right1
  - 4 1.0Dead+1.0Collateral+0.75Live+0.53Seismic\_Left
  - 5 1.0Dead+1.0Collateral+0.75Live+0.53Seismic\_Right

**WIND BENT REACTIONS**

Wall	Col	± Reactions				Bolt(in) Qty	Base_Plate(in)				
		Wind(k)	Seismic(k)	Wind(k)	Seismic(k)		Width	Length	Thick		
F_SW	B	1	1.1	2.8	0.8	2.2	4	1.000	8.000	14.000	0.500
F_SW	B	2	1.1	2.8	0.8	2.2	4	1.000	8.000	14.000	0.500
F_SW	B	3	1.1	2.8	0.8	2.2	4	1.000	8.000	14.000	0.500
F_SW	B	4	1.1	2.8	0.8	2.2	4	1.000	8.000	14.000	0.500
B_SW	A	1	1.1	2.8	0.7	1.9	4	1.000	8.000	14.000	0.500
B_SW	A	2	1.1	2.8	0.7	1.9	4	1.000	8.000	14.000	0.500
B_SW	A	3	1.1	2.8	0.7	1.9	4	1.000	8.000	14.000	0.500
B_SW	A	4	1.1	2.8	0.7	1.9	4	1.000	8.000	14.000	0.500

THESE ESCO MANUFACTURING DRAWINGS SHOW THE PROJECT THAT ESCO WILL SUPPLY AND ARE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE REACTION DRAWINGS AND ILLUSTRATES THE SHOP MEMBERS FURNISHED BY ESCO AS PART OF THE DESIGN PROCESS. THESE DRAWINGS AND ANY DRAWINGS ARE NOT REQUIRED TO BE SEALED IN ANY EVENT, THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT ESCO OR ITS DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT (SECT 13.3.2 MEBA MANUAL 2006 ED).

NO.	DATE	REVISIONS	BY

Project name:  
**CANGHA ESCUELA VOCACIONAL**  
**EDUARDO GARCIA**  
**CANOANAS, PUERTO RICO**

client:  
WF CONSTRUCTION



approved by:      date:

ESCO MANUFACTURING, INC.



STEEL BUILDING SYSTEM  
PO BOX 2381 TOA BAJA, P.R. 00951  
TEL. 784-1024 FAX 784-9810

drawn by:

date: 3/ 9/20

chk'd by:      date:

approved by:      Lic.

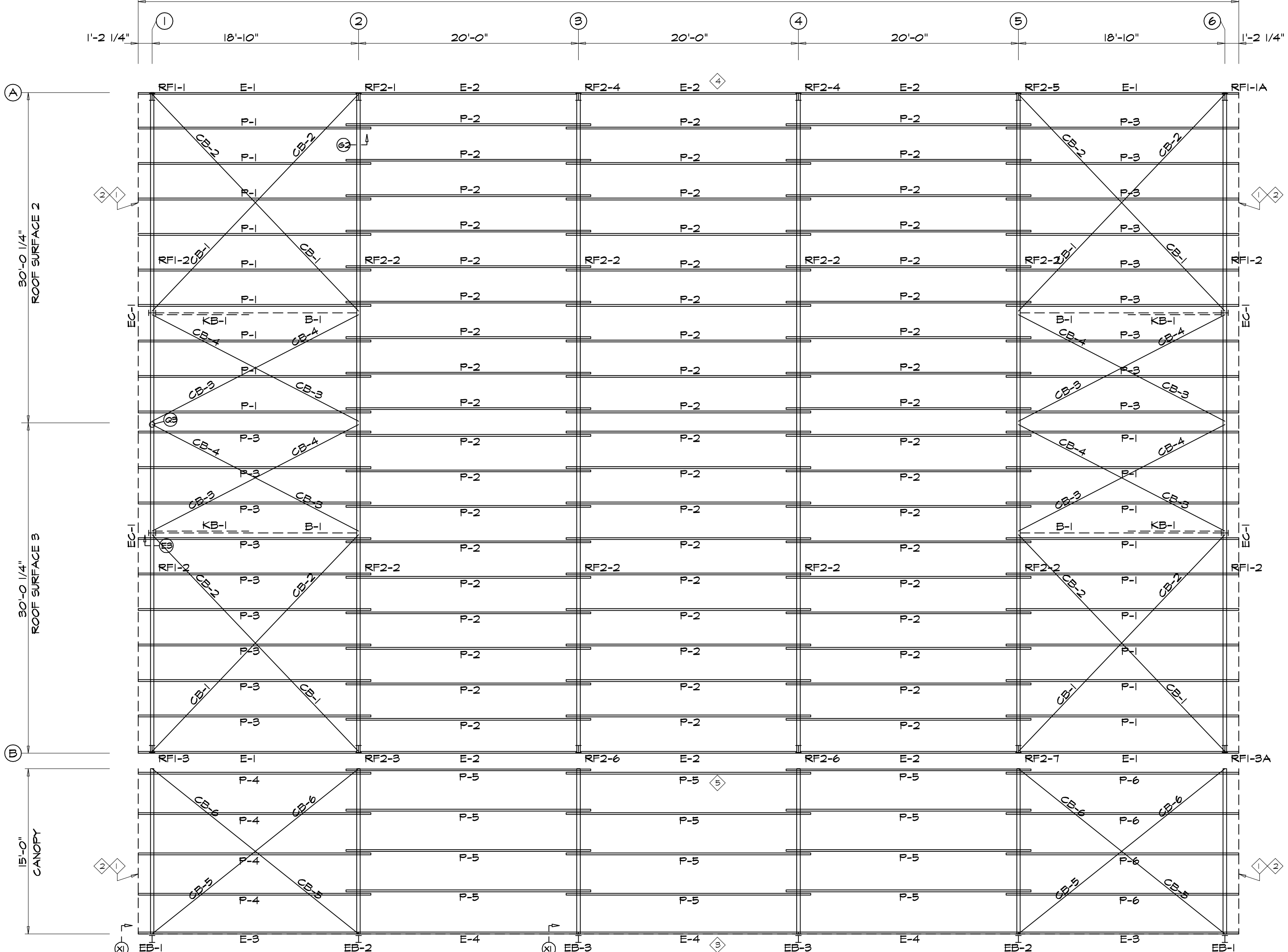
E. Escobar      8661

2275

diag no.      of

ISD-2      10

100'-0 1/2" OUT-TO-OUT OF STEEL



EXTENSION/CANOPY BOLTS  
ROOF PLAN

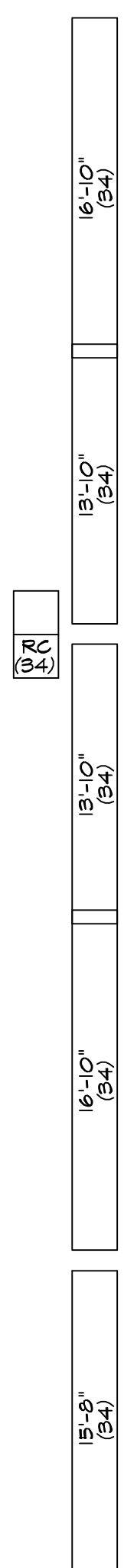
MARK	QUAN	TYPE	DIA	LENGTH
EB-1	8	A325	3/4"	12"
EB-2	8	A325	3/4"	12"
EB-3	8	A325	3/4"	12"

MEMBER TABLE  
ROOF PLAN

MARK	PART	LENGTH
RF1-1	BEAM	10'-10 5/8"
RF1-2	BEAM	10'-10 5/8"
RF1-3	BEAM	10'-10 5/8"
P-1	10x25Z16	22'-9"
P-2	10x25Z16	22'-9"
P-3	10x25Z16	22'-9"
P-4	10x25Z16	22'-9"
P-5	10x25Z16	22'-9"
P-6	10x25Z16	22'-9"
RF2-1	10x25C16	19'-1 1/2"
RF2-2	10x25C16	19'-1 1/2"
RF2-3	10x25C16	19'-1 1/2"
RF2-4	10x25C16	19'-1 1/2"
RF2-5	10x25C16	19'-1 1/2"
RF2-6	10x25C16	19'-1 1/2"
RF2-7	10x25C16	19'-1 1/2"
RF1-1A	10x25C14	19'-1 1/2"
RF1-2	10x25C14	19'-1 1/2"
RF1-3A	10x25C14	19'-1 1/2"
CB-1	ROD-1/2"	6'-4"
CB-2	ROD-1/2"	20'-0"
CB-3	ROD-1/2"	16'-3"
CB-4	ROD-1/2"	16'-3"
CB-5	ROD-1/2"	16'-3"
CB-6	ROD-1/2"	16'-3"
B-1	W6X15	10'-10 1/2"
KB-1	H3x3x1/4	10'-0"

ANGLE TABLE  
ROOF PLAN

ID	MARK	LENGTH
1	TL-9	10'-0"
2	TL-5	10'-0"
3	TL-10	10'-0"
4	TL-3	10'-0"
5	TL-17	10'-0"



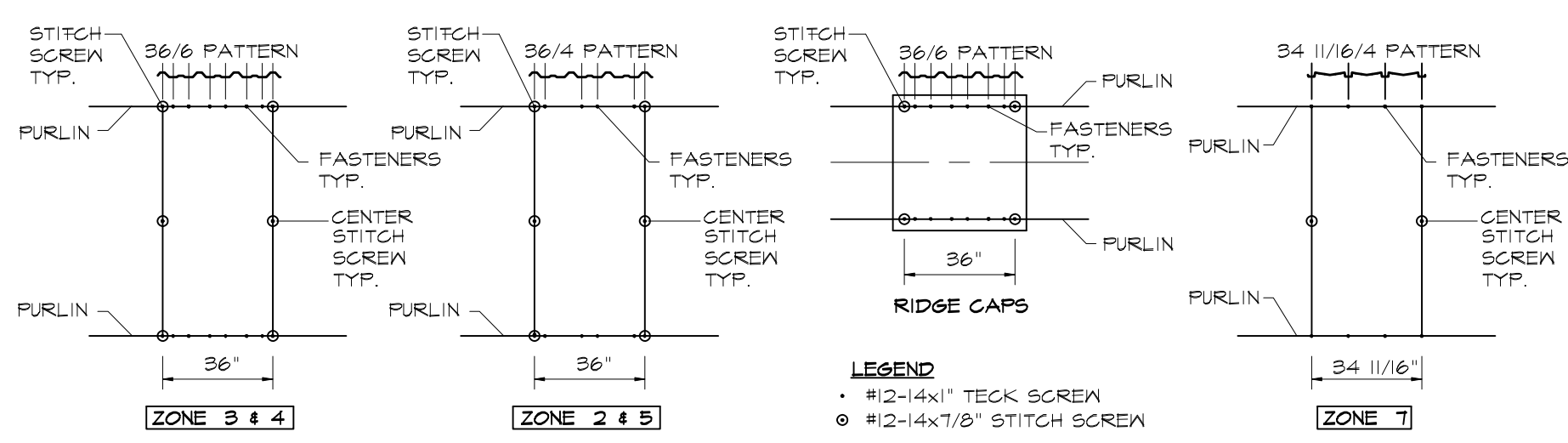
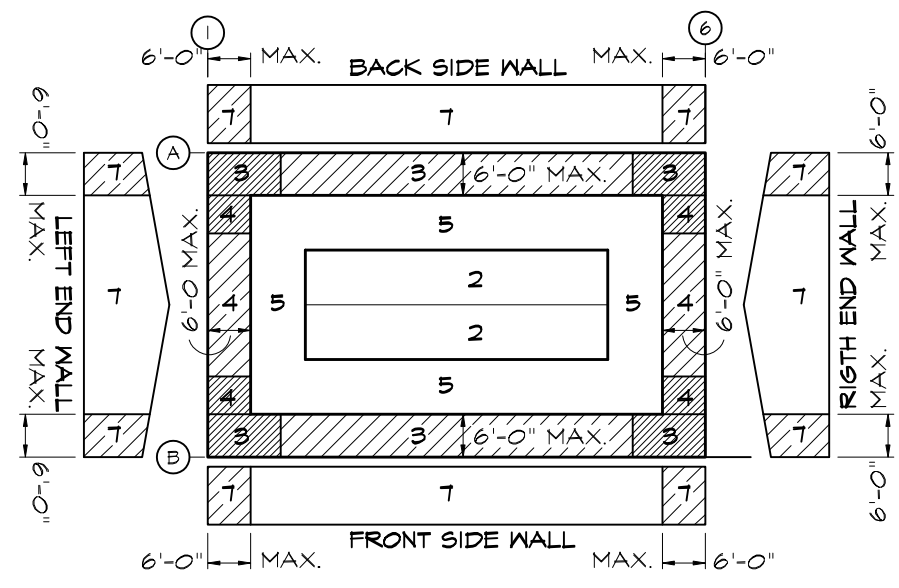
ROOF SHEETING  
PANELS: 24 Ga. E  
White-50



ROOF FRAMING PLAN

ROOF DECK & SIDING FASTENING PATTERN

- A- ROOF DECK TO BE TYPE "E", GALVALUME, GA24, ASTM A792-99 AZ55, SQ GRADE 50, 690 COATING (36" COVERAGE)
- B- FOR ZONE #1 USE #12-14x1", HNH #3 SELF DRILLING, W/NEOPRENE WASHER, FASTENER ON 36/6 PATTERN W/2# 12-14x7/8" STITCH SCREWS (AS SHOWN) BETWEEN SUPPORTS.
- C- FOR ZONE #2 USE #12-14x1" (SAME FASTENER AS FOR ZONE #1) ON @ 36/4 PATTERN, W/2-#1/4-14x7/8" STITCHES ON SUPPORTS (AS SHOWN).
- D- AT END LAPS USE #12-14x1" ON 36/6 PATTERN ALSO.
- E- SIDING WALL TO BE TYPE "A", GALVALUME, GA26 OR 24 ASTM A792-99 AZ55, SQ GRADE 50, 690 COATING (34 11/16" COVERAGE) IN ZONE 3
- F- FOR SOFFITS AND/OR OVERHANGS APPLY NOTES B & D U/N OR SHOWN.



- LEGEND
- #12-14x1" TECK SCREW
  - #12-14x7/8" STITCH SCREW

THESE ESCO MANUFACTURING DRAWINGS SHOW THE PROJECT THAT ESCO WILL SUPPLY AND ARE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE ERECTION DRAWINGS AND ILLUSTRATE THE SHOP MEMBERS FURNISHED BY ESCO AS DRAWINGS ARE NOT REQUIRED TO BE SEALED IN ANY EVENT, THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT ESCO OR ANY OF ITS EMPLOYEES IS A PROFESSIONAL ENGINEER OR ARCHITECT OR DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. (SECTION 3.3.2 MEMA MANUAL 2006 ED.)

Project name:  
**CANGCHA ESCUELA VOCACIONAL EDUARDO GARCIA CANOYANAS, PUERTO RICO**

client:  
WF CONSTRUCTION

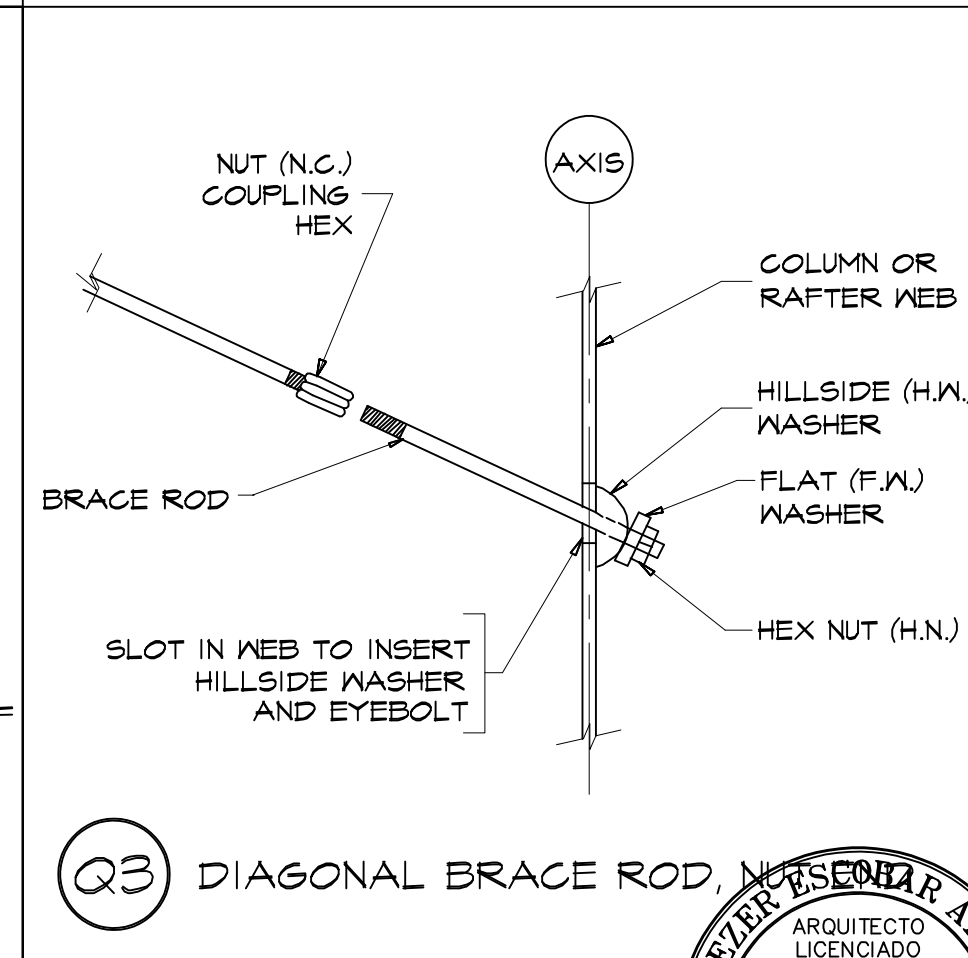
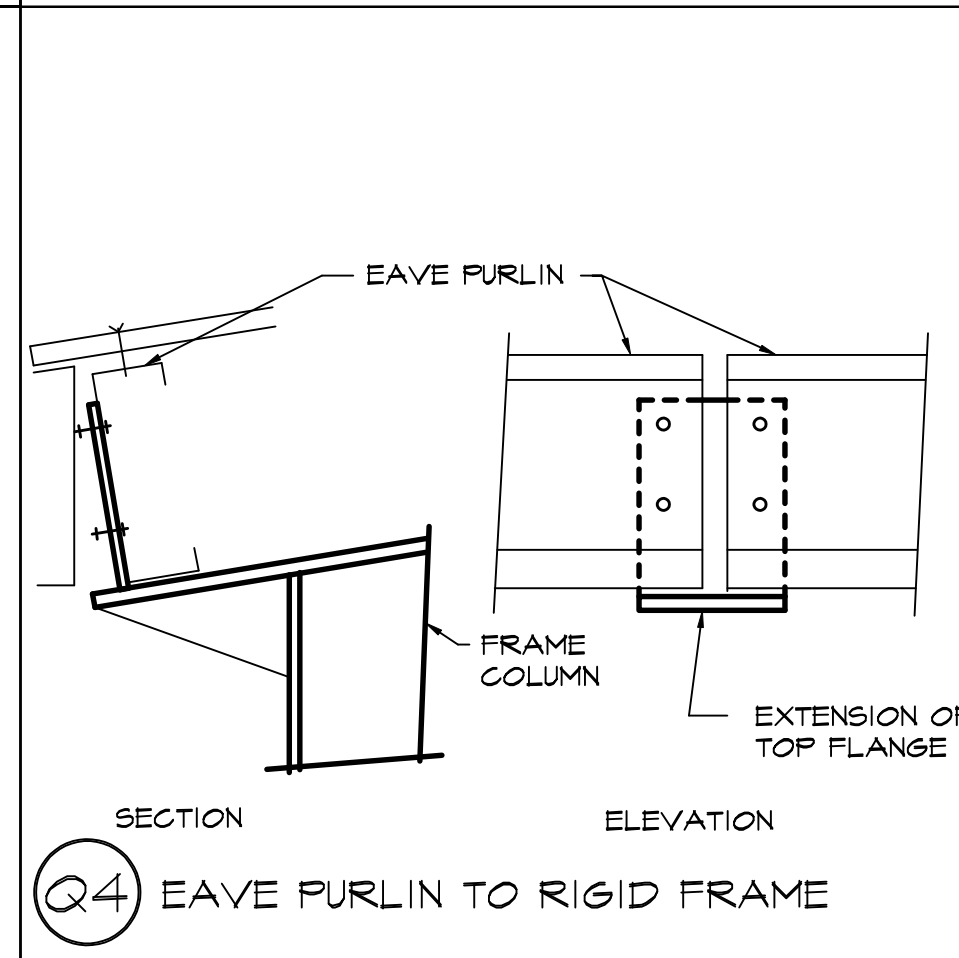
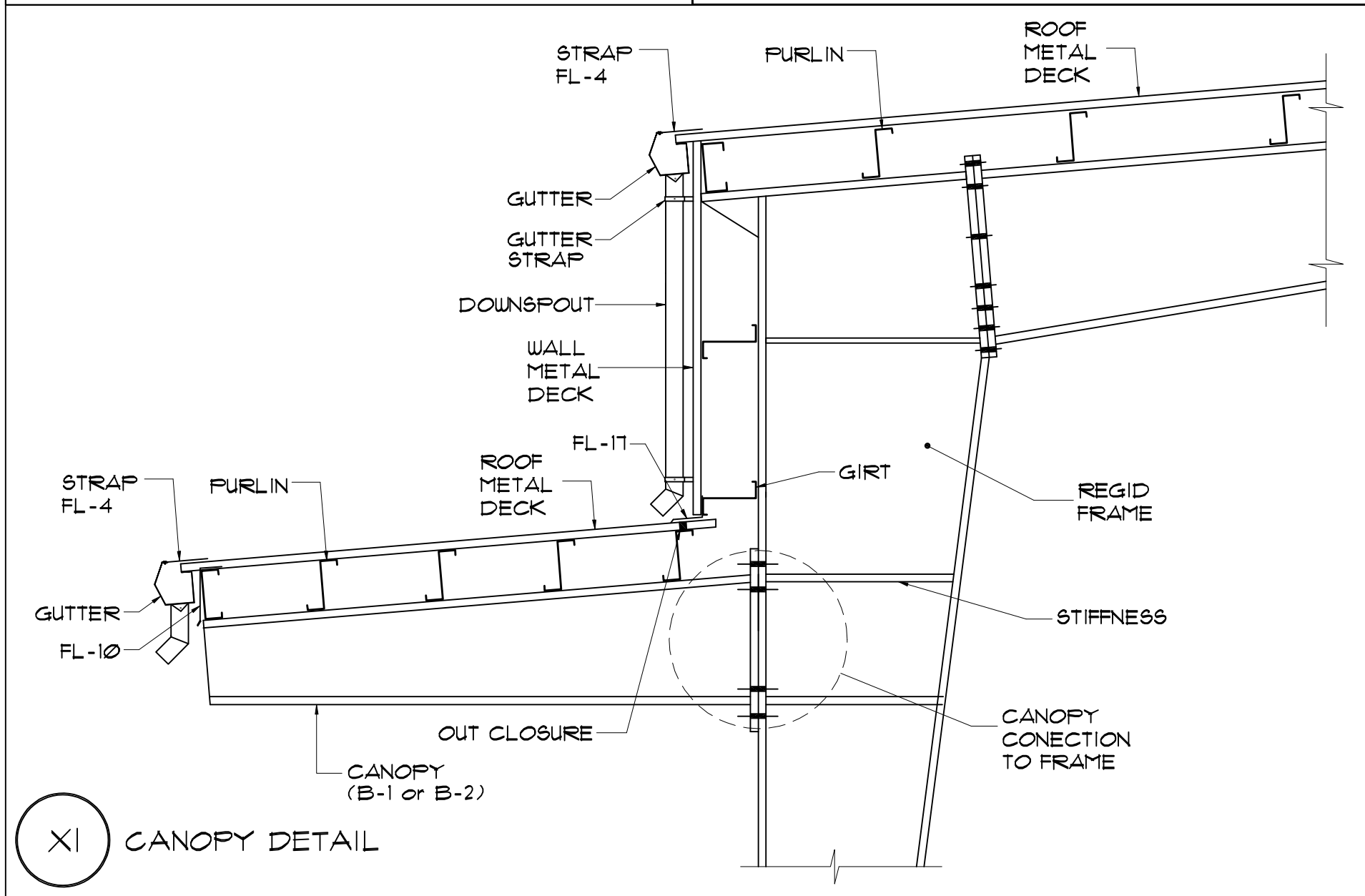
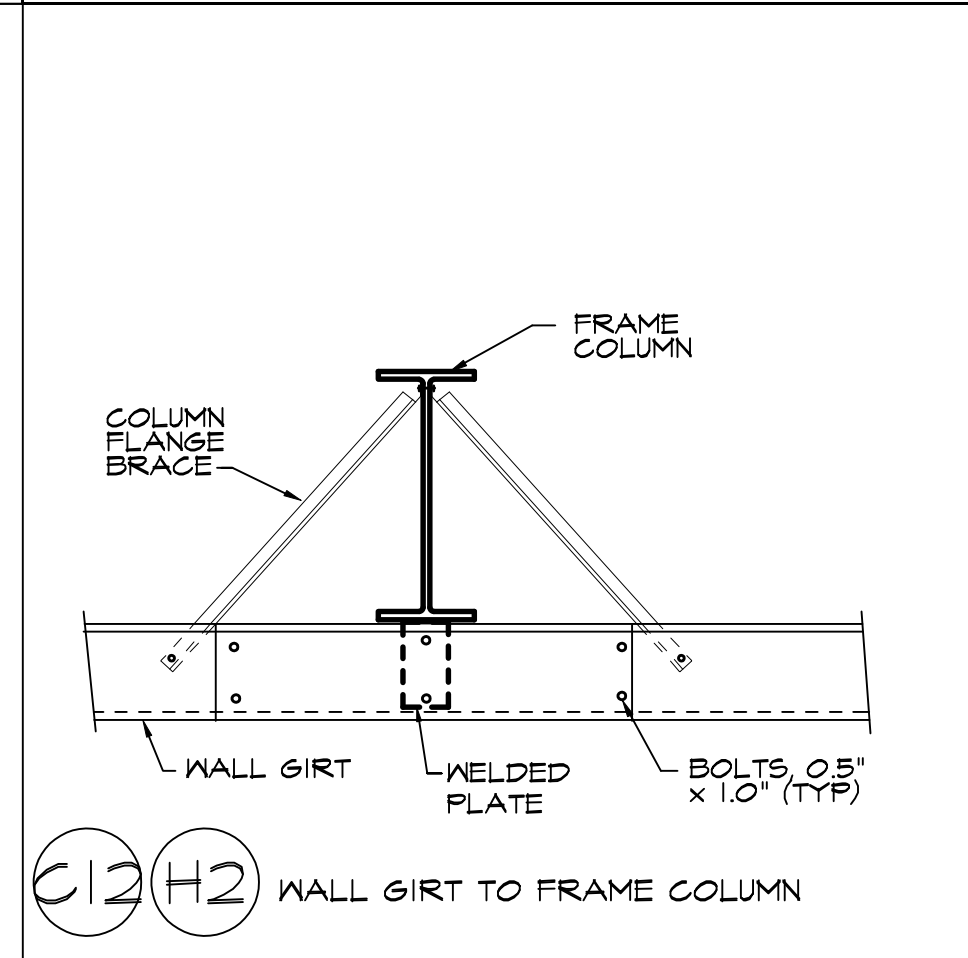
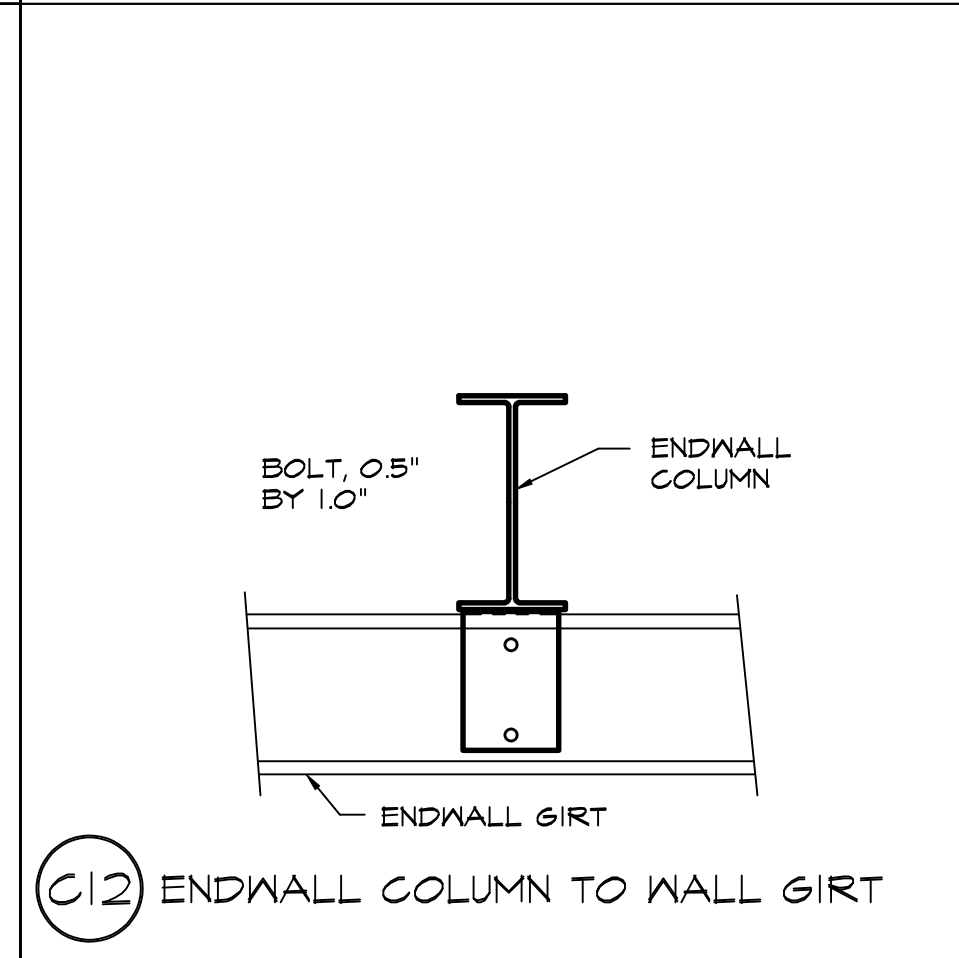
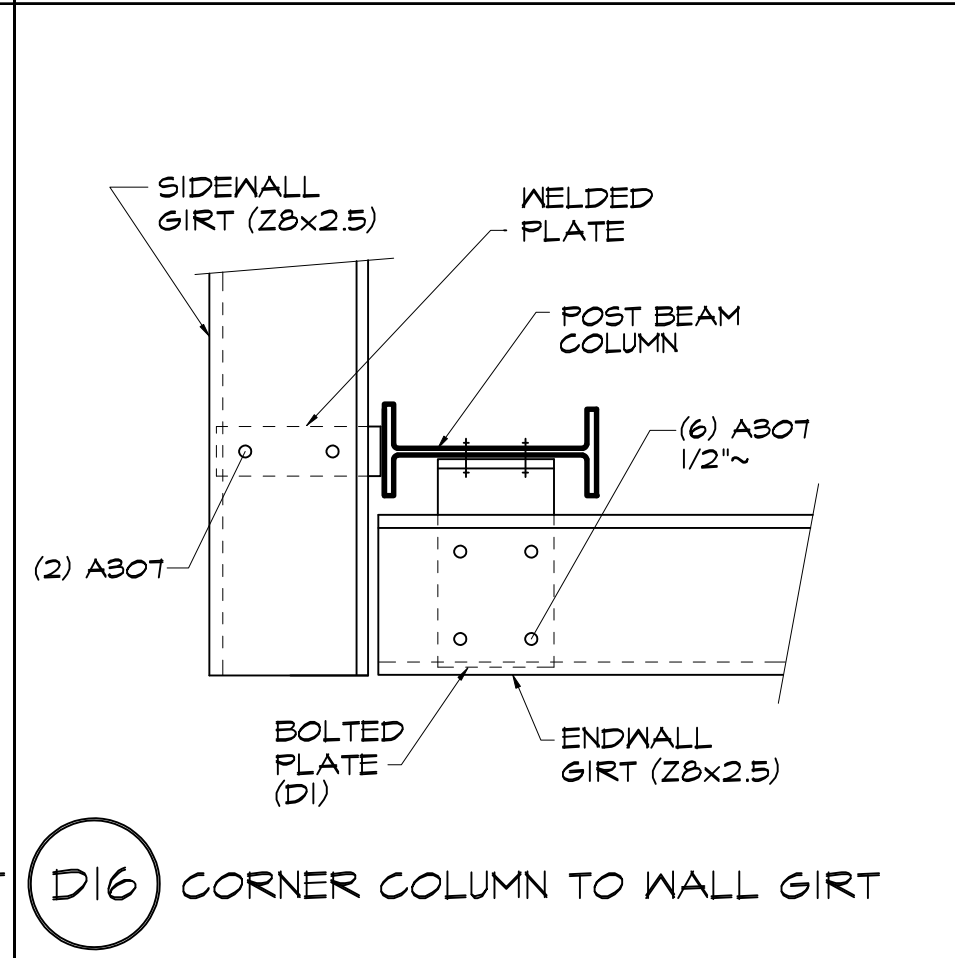
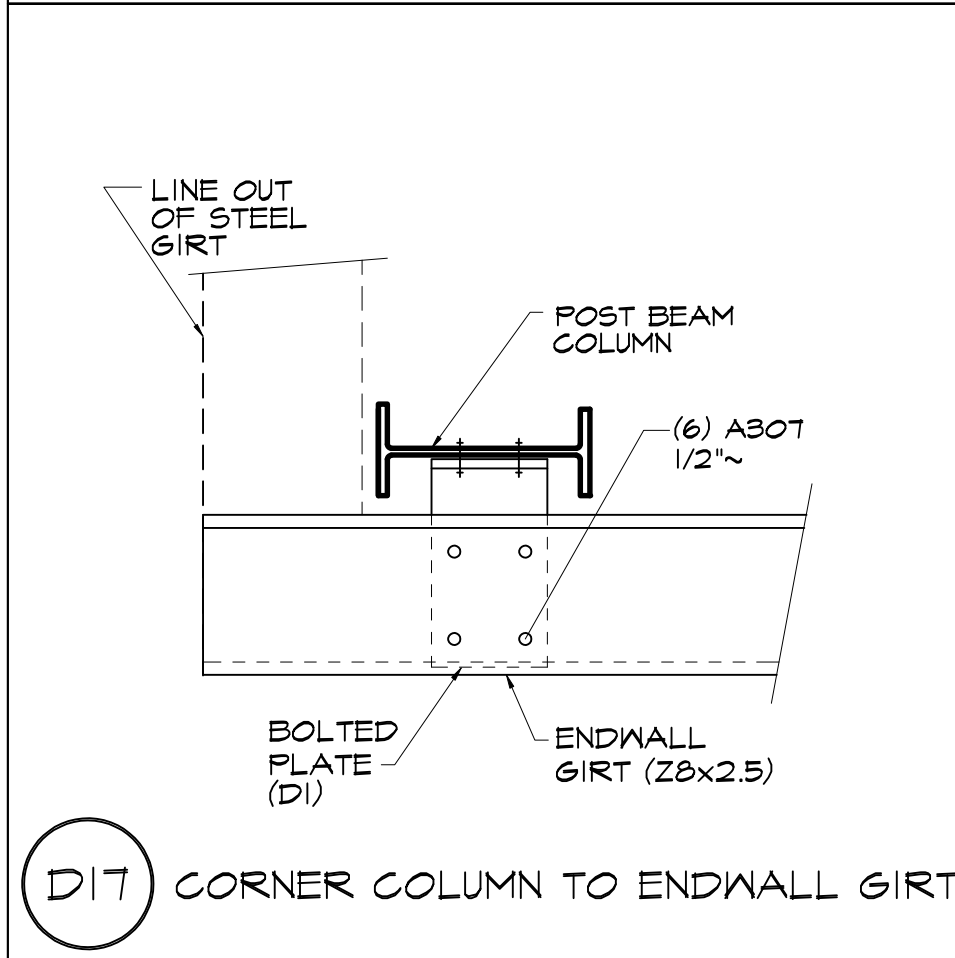
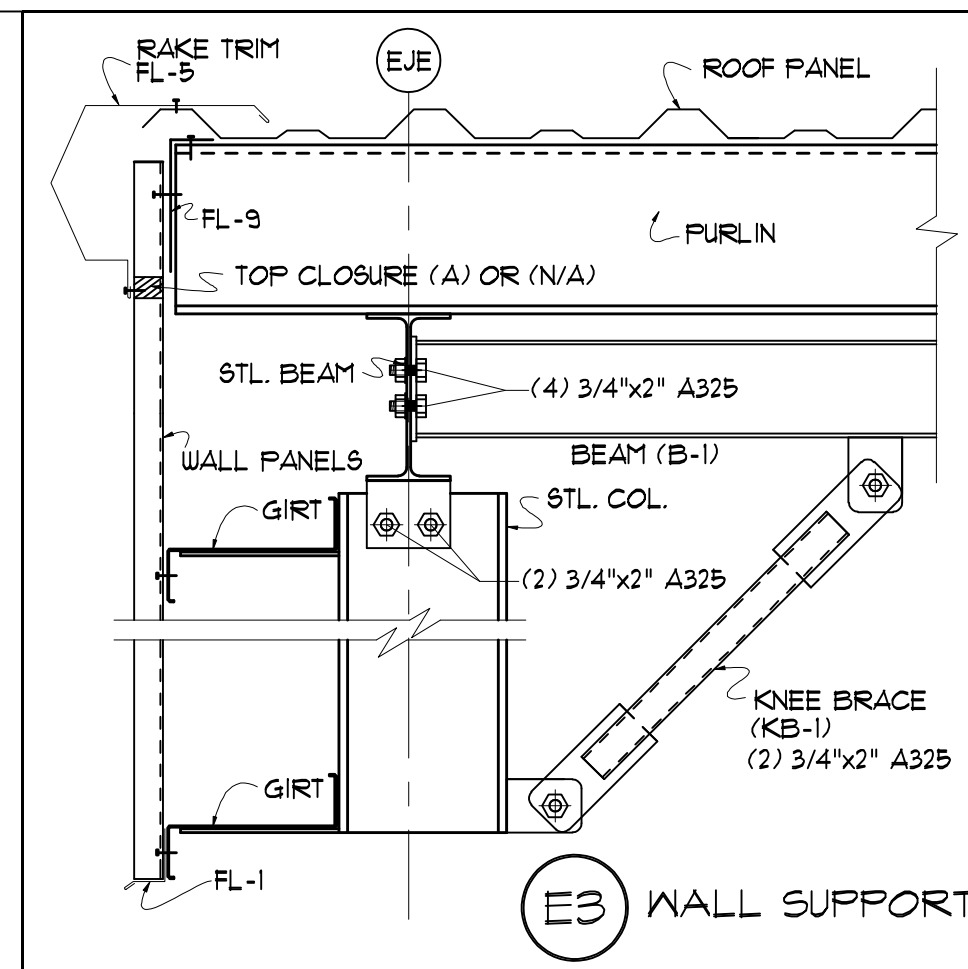
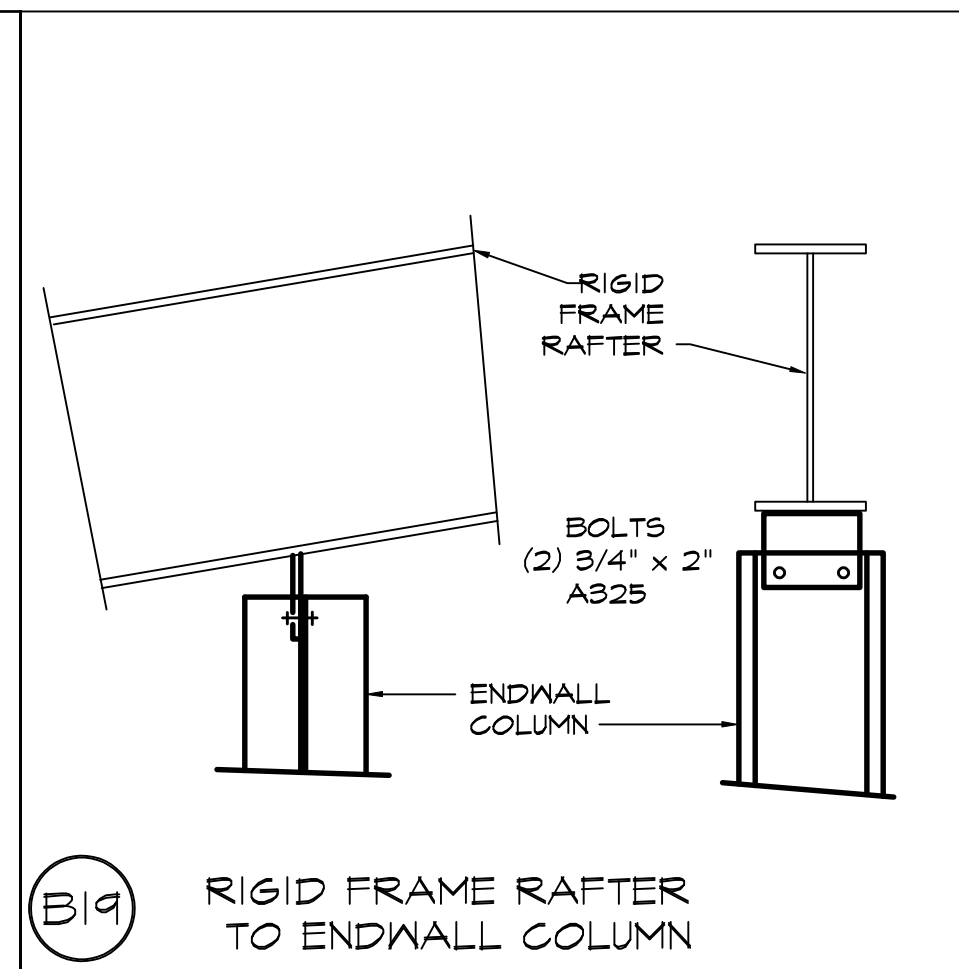
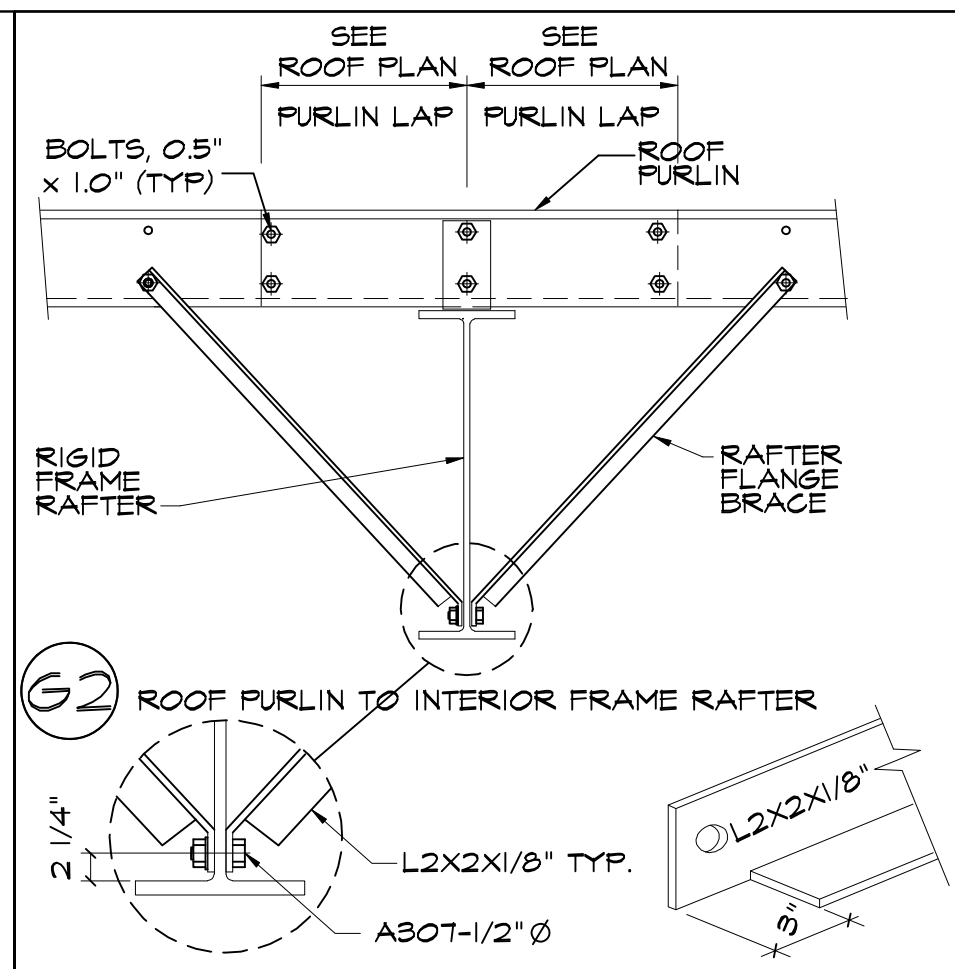
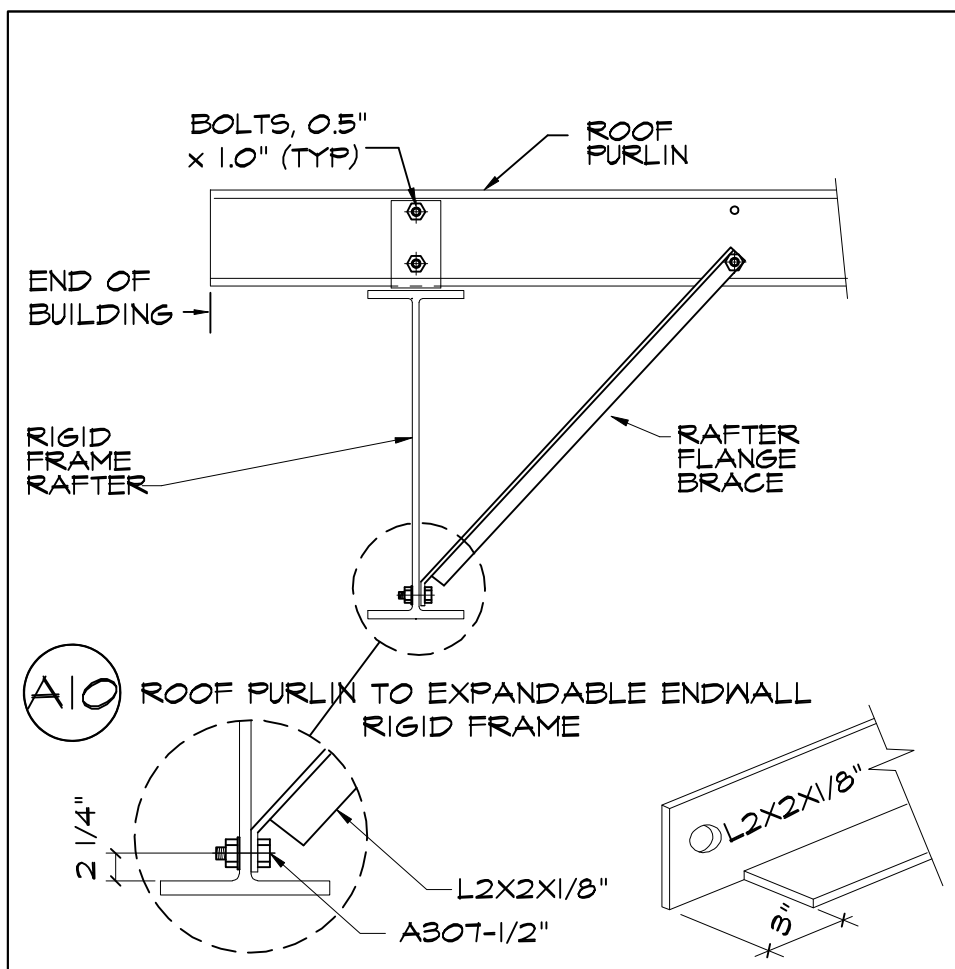
approved by: \_\_\_\_\_ date: \_\_\_\_\_

drawn by: \_\_\_\_\_  
date: 3/1/20  
chk'd by: \_\_\_\_\_ date: \_\_\_\_\_

approved by: E. Escobar Lic. 8661  
date: 3/1/20

2275

draw no. 10 of 10



THESE ESCO MANUFACTURING DRAWINGS SHOW THE PROJECT THAT ESCO WILL SUPPLY AND ARE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE REVISION DRAWINGS AND ILLUSTRATE THE SHOP MEMBERS FURNISHED BY ESCO AS DRAWINGS ARE NOT REQUIRED TO BE SEALED IN ANY EVENT, THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT ESCO OR ITS DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT (SECTION 3.2 MEMO MANUAL 2006 ED.)

NO.	DATE	REVISIONS	BY

Project name:  
**CANGCHA ESCUELA VOCACIONAL**  
**EDUARDO GARCIA**  
**CANOYANAS, PUERTO RICO**

client:  
 WF CONSTRUCTION

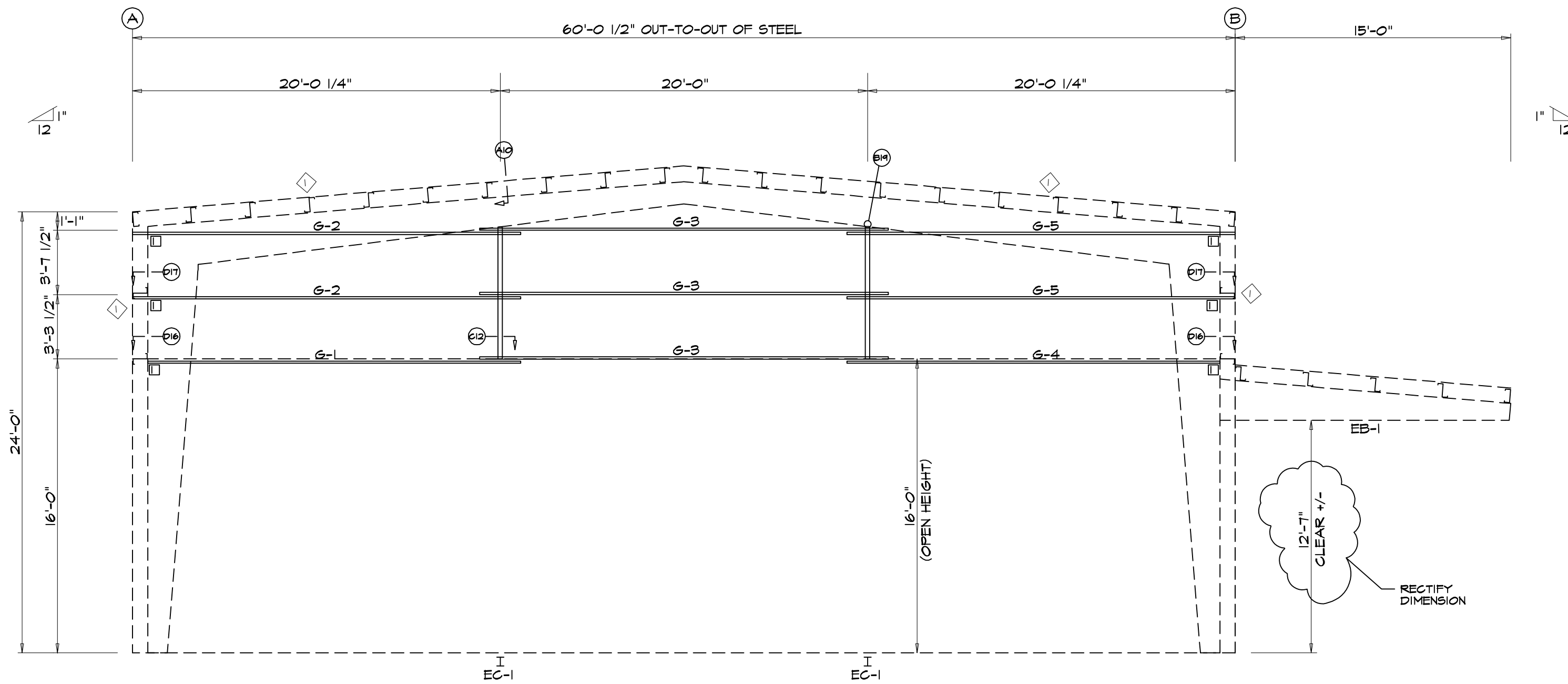
approved by: \_\_\_\_\_ date: \_\_\_\_\_

ESCO MANUFACTURING, INC.  
  
 STEEL BUILDING SYSTEM  
 PO BOX 2391 TOA BAJA, P.R. 00951  
 TEL. 784-1024 FAX 784-9910

drawn by: \_\_\_\_\_  
 date: 3/9/20  
 chkd by: \_\_\_\_\_ date: \_\_\_\_\_

approved by: \_\_\_\_\_ Lic.  
 E. Escobar 8661

2275  
 diag no. \_\_\_\_\_ of \_\_\_\_\_  
 1SD-4 10



BOLT TABLE			
FRAME LINE I			
LOCATION	QUAN	TYPE	DIA
Columns/Raf	4	A325	3/4"
Back Braces	1	A325	3/4"

MEMBER TABLE		
FRAME LINE I		
MARK	PART	LENGTH
EC-1	W10X12	7'-6 5/16"
G-1	10x25Z16	20'-3 1/2"
G-2	10x25Z16	21'-1 1/2"
G-3	10x25Z16	22'-9"
G-4	10x25Z16	20'-3 1/2"
G-5	10x25Z16	21'-1 1/2"

TRIM TABLE		
FRAME LINE I		
OID	PART	LENGTH
1	FL-9	0'-0"
2	FL-7	0'-0"
3	FL-5	0'-0"
4	FL-11	1'-4"
5	FL-1	0'-0"

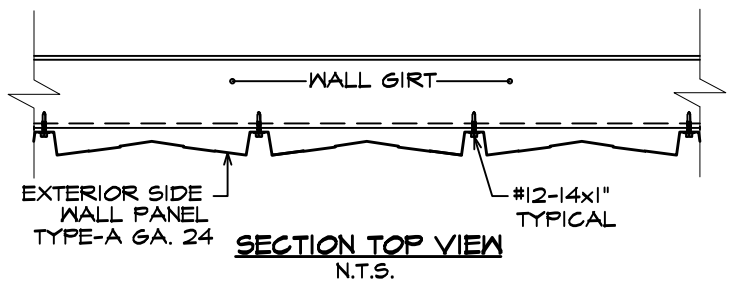
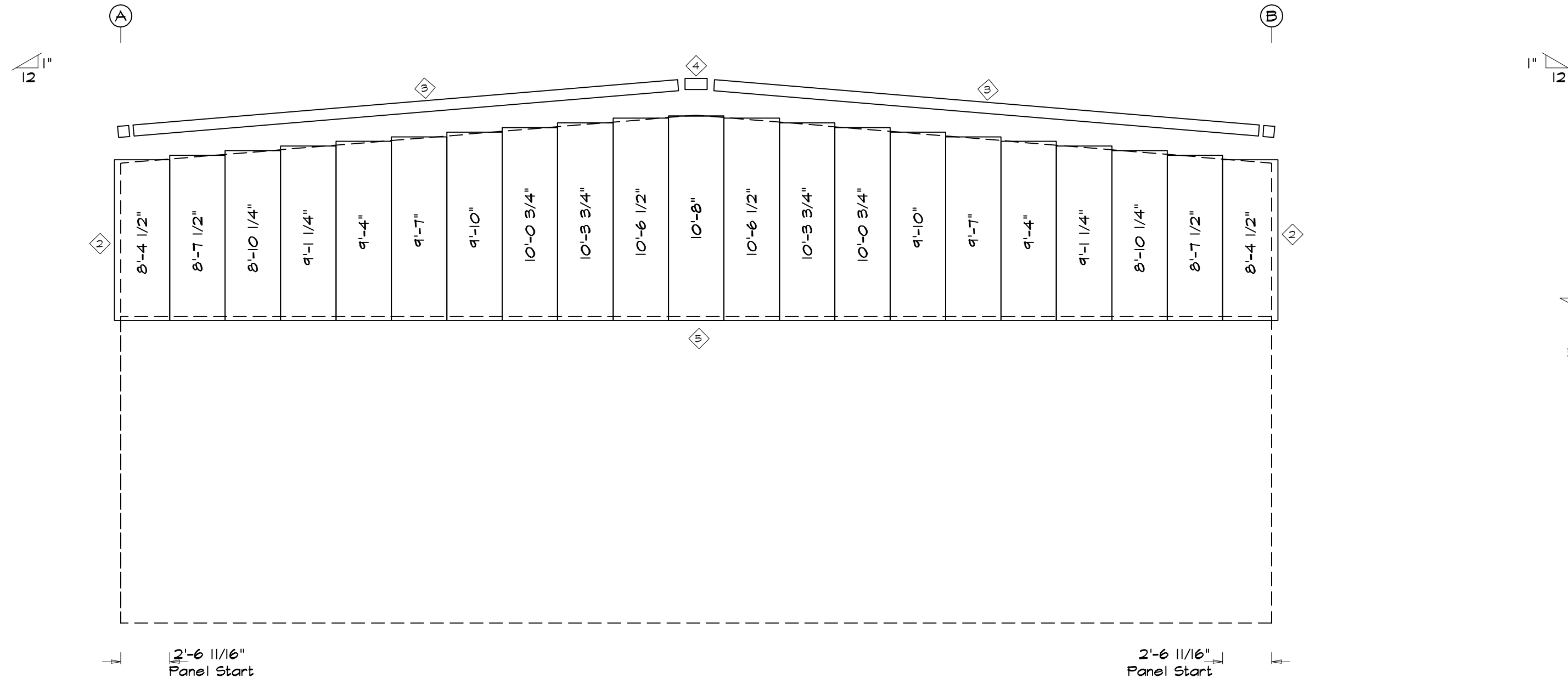
ANGLE TABLE		
FRAME LINE I		
OID	MARK	LENGTH
1	FL-9	0'-0"

CONNECTION PLATES		
FRAME LINE I		
OID	MARK	PART
1	dl	

THESE ESCO MANUFACTURING DRAWINGS SHOW THE PROJECT THAT ESCO WILL SUPPLY AND ARE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE REJECTION DRAWINGS AND ILLUSTRATES THE SHOP MEMBERS FURNISHED BY ESCO AS A REFERENCE TO THE FIELD. ESCO WILL NOT BE RESPONSIBLE FOR ANY REVISIONS OR CHANGES TO THESE DRAWINGS. THE SUPPLYING OF SEALED ENGINEERS DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT ESCO OR ITS DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT (SECTION 3.3.2 MEMA MANUAL 2006 ED).

NO.	DATE	REVISIONS

ENDWALL FRAMING: FRAME LINE I



ENDWALL SHEETING & TRIM: FRAME LINE I  
PANELS: 24 Ga. A - SELECT COLOR

NOTE:  
WHEN NECESSARY ENDWALL PANELS SHALL BE CUT ON FIELD AT ROOF LEVEL ALONG ROOF SLOPE BY CONTRACTED ERECTOR.

Project name:  
**CANCHA ESCUELA VOCACIONAL**  
**EDUARDO GARCIA**  
**CANOYANAS, PUERTO RICO**

client:  
WF CONSTRUCTION

approved by: \_\_\_\_\_ date: \_\_\_\_\_

ESCO MANUFACTURING, INC.  
**ESCO**  
STEEL BUILDING SYSTEM  
PO BOX 2381 TOA BAJA, P.R. 00951  
TEL. 784-1024 FAX 784-9810

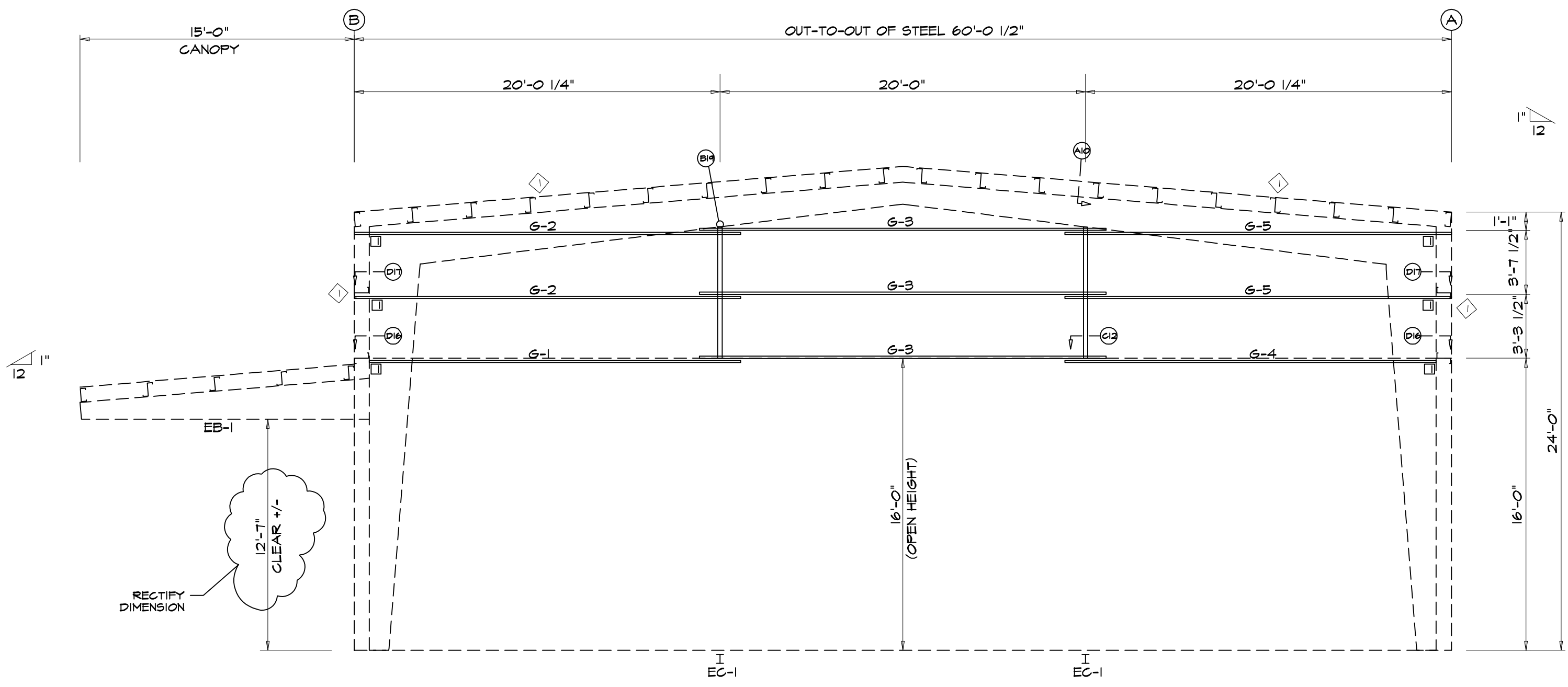
drawn by:  
date: 3/ 9/20  
chk'd by: \_\_\_\_\_ date: \_\_\_\_\_

approved by: Lic.  
E. Escobar 8661

2275

diag no. of  
ISD-5 10





ENDWALL FRAMING: FRAME LINE 6

BOLT TABLE FRAME LINE 6				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	3/4"	2"
Back Braces	1	A325	3/4"	2"

MEMBER TABLE FRAME LINE 6		
MARK	PART	LENGTH
EC-1	W10X12	7'-6 5/16"
G-1	10x25Z16	20'-3 1/2"
G-2	10x25Z16	21'-1 1/2"
G-3	10x25Z16	22'-3"
G-4	10x25Z16	20'-3 1/2"
G-5	10x25Z16	21'-1 1/2"

TRIM TABLE FRAME LINE 6		
OID MARK	PART	LENGTH
FL-9	FL-9	0'-0"
FL-7	FL-7	0'-0"
FL-5	FL-5	0'-0"
FL-11	FL-11	1'-4"
FL-1	FL-1	0'-0"

ANGLE TABLE FRAME LINE 6		
OID MARK	PART	LENGTH
FL-9	FL-9	0'-0"

CONNECTION PLATES FRAME LINE 6	
OID MARK/PART	LENGTH
1	dl

THESE ESCO MANUFACTURING DRAWINGS SHOW THE PROJECT THAT ESCO WILL SUPPLY AND ARE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE ERECTION DRAWINGS AND ILLUSTRATE THE SHOP MEMBERS FURNISHED BY ESCO AS SHOWN IN THE DRAWINGS. THE SUPPLYING OF SEALED ENGINEERS DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT WITH ESCO OR ANY OTHER PARTY. ESCO IS NOT A REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT. ESCO IS NOT A REGISTERED PROFESSIONAL FOR THE CONSTRUCTION PROJECT. (SECTION 3.3.2, MBSMA MANUAL, 2006 ED.)

NO.	DATE	REVISIONS	BY

Project name:  
**CANGCHA ESCUELA VOCACIONAL  
EDUARDO GARCIA  
CANOYANAS, PUERTO RICO**

client:  
WF CONSTRUCTION

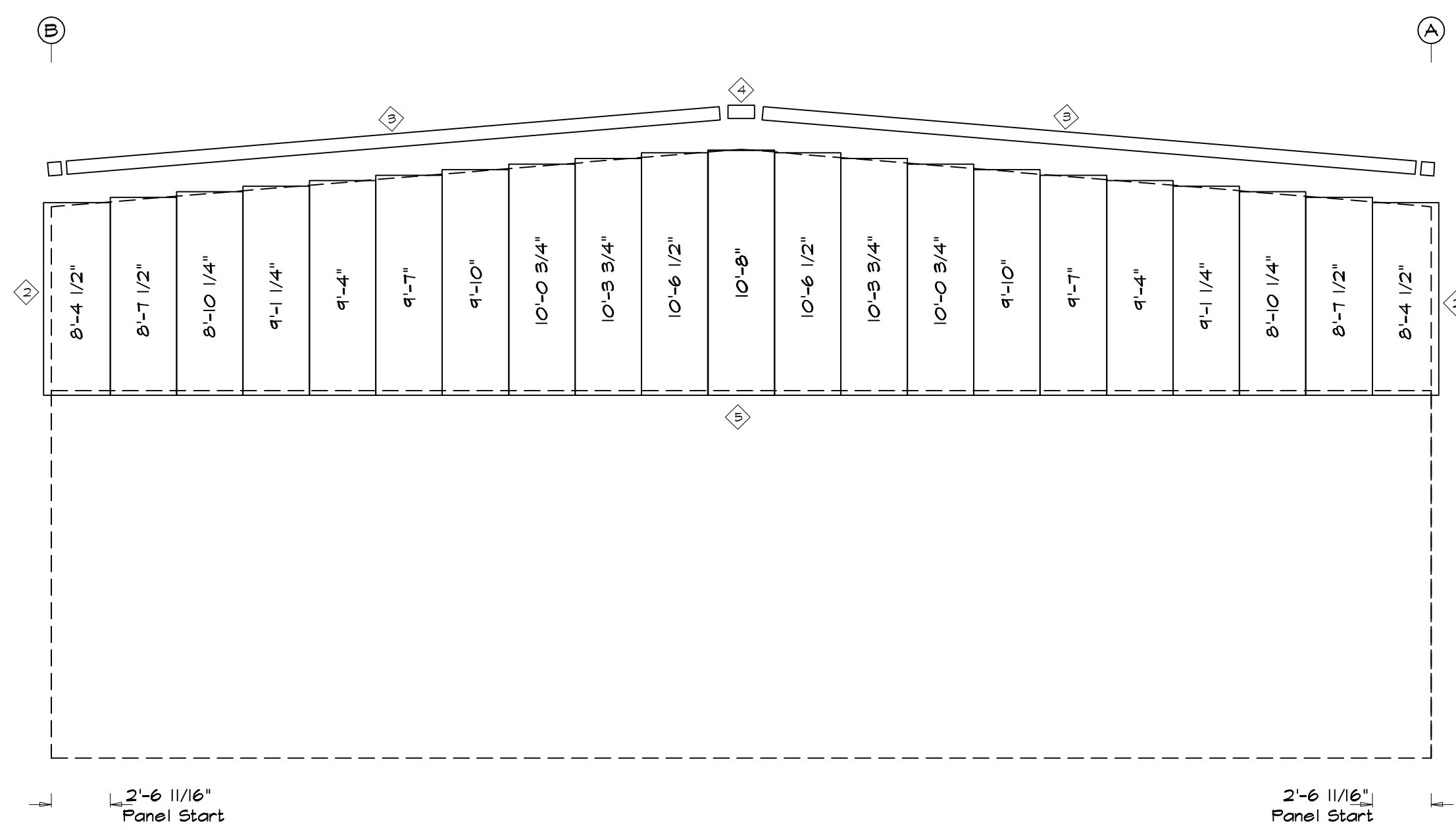
approved by: \_\_\_\_\_ date: \_\_\_\_\_

ESCO MANUFACTURING, INC.  
**ESCO**  
STEEL BUILDING SYSTEM  
PO BOX 2381 TOA BAJA, P.R. 00951  
TEL. 784-1024 FAX 784-9810

drawn by: \_\_\_\_\_  
date: 3/ 9/20  
chk'd by: \_\_\_\_\_ date: \_\_\_\_\_

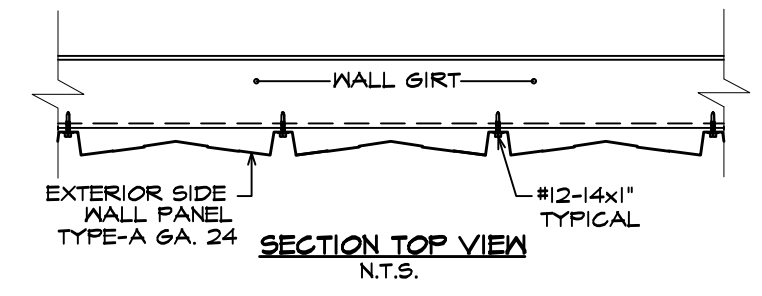
approved by: Lic. E. Escobar 2275

2275  
dwg no. 1SD-6 of 10

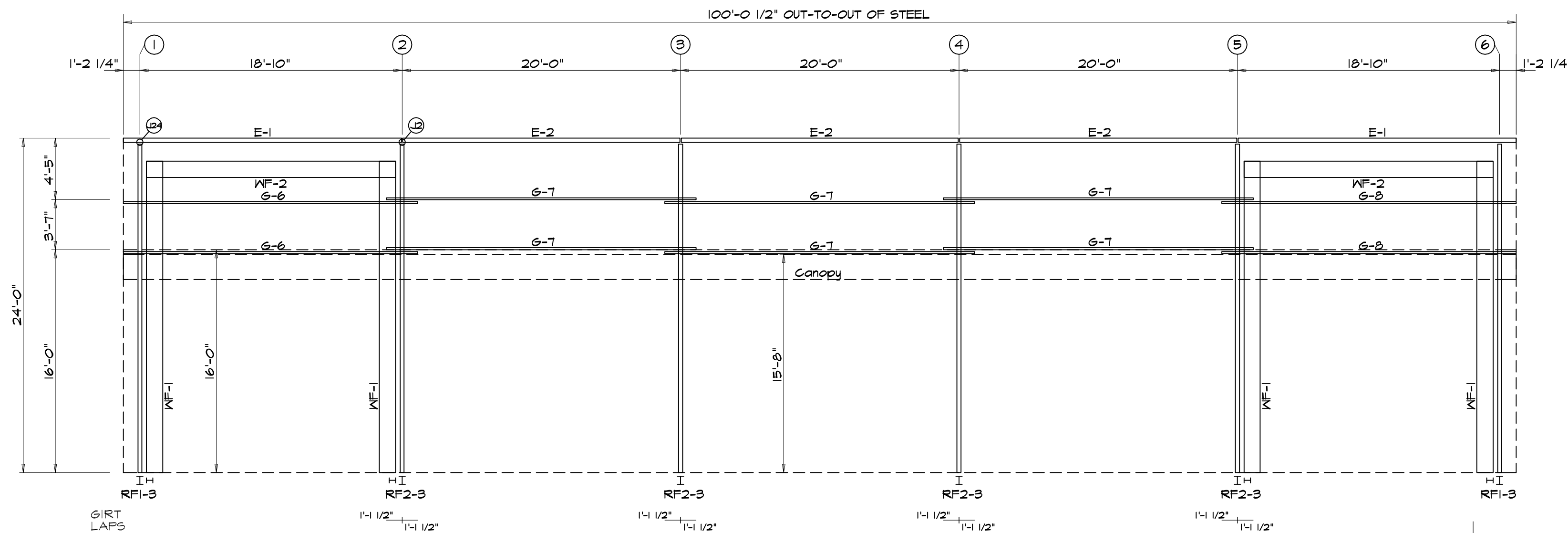


ENDWALL SHEETING & TRIM: FRAME LINE 6  
PANELS: 24 Ga. A - SELECT COLOR

NOTE:  
WHEN NECESSARY ENDWALL PANELS SHALL BE CUT ON FIELD AT ROOF LEVEL  
ALONG ROOF SLOPE BY CONTRACTED ERECTOR.



DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE B

**BOLT TABLE**  
FRAME LINE B

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 - WF-2	8	A325	3/4"	2 1/2"
WF-1 - RF1-3	4	A325	3/4"	2"
WF-1 - RF2-3	4	A325	3/4"	2"

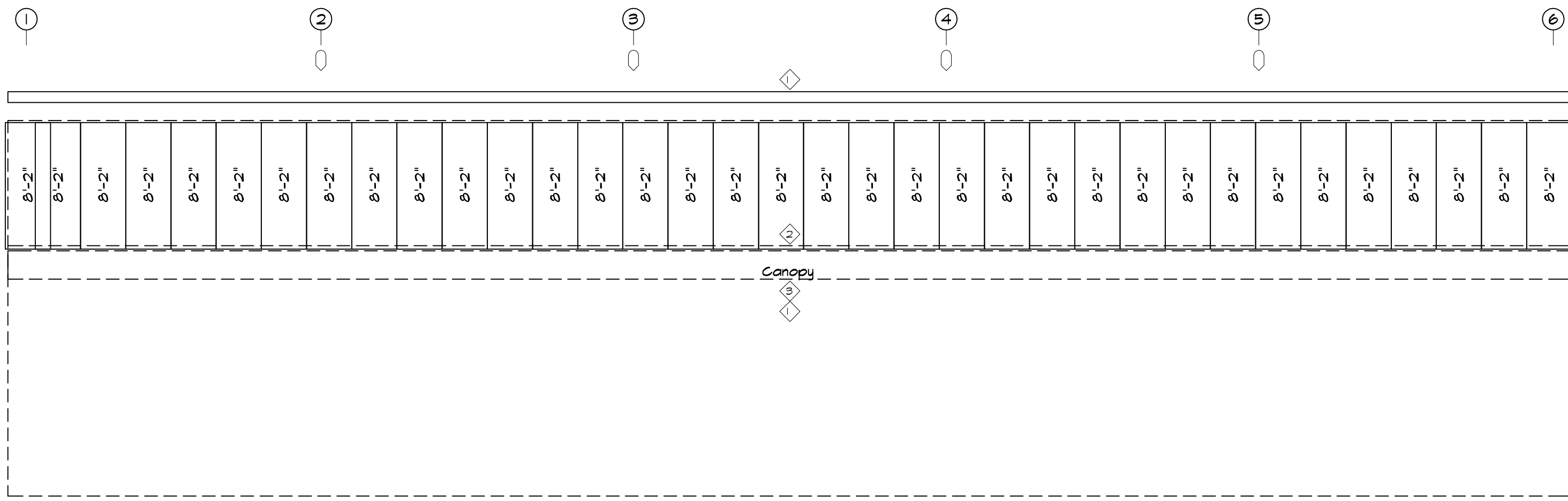
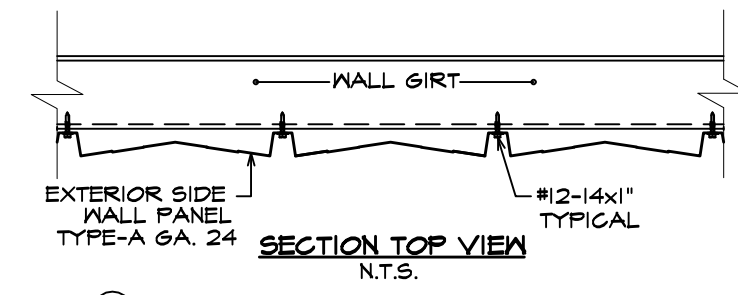
**MEMBER TABLE**  
FRAME LINE B

MARK	PART	LENGTH
WF-1	W14541	22'-8"
WF-2	W14541	15'-5 1/4"
E-1	10x25C16	19'-11 3/4"
E-2	10x25C16	19'-11 1/2"
G-6	10x25Z16	21'-1 1/2"
G-7	10x25Z16	22'-9"
G-8	10x25Z16	21'-1 1/2"

**TRIM TABLE**  
FRAME LINE B

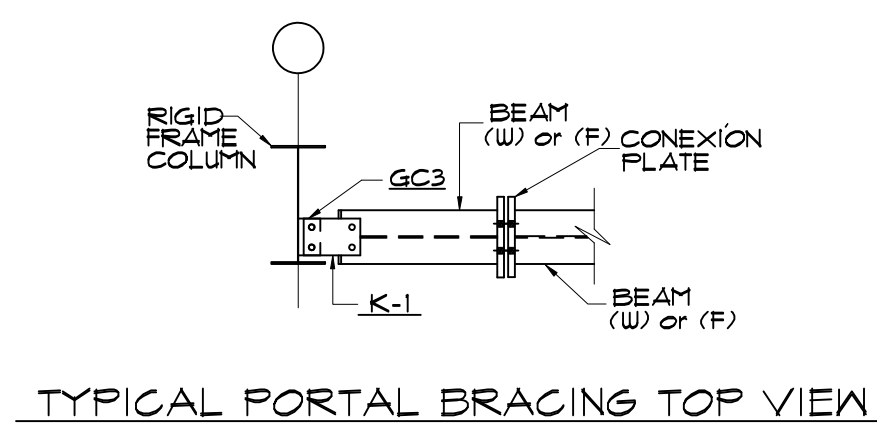
ID	PART	LENGTH
1	FL-3	10'-0"
2	FL-17	10'-0"
3	FL-10	10'-0"

THESE ESCO MANUFACTURING DRAWINGS SHOW THE PROJECT THAT ESCO WILL SUPPLY AND ARE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE ERECTION DRAWINGS AND ILLUSTRATE THE SHOP MEMBERS FURNISHED BY ESCO AS WELL AS THE FIELD MEMBERS TO BE SUPPLIED BY ANY OTHER PARTY. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT ESCO OR ITS DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT (SECTION 3.3.2 MEMA MANUAL 2006 ED.)

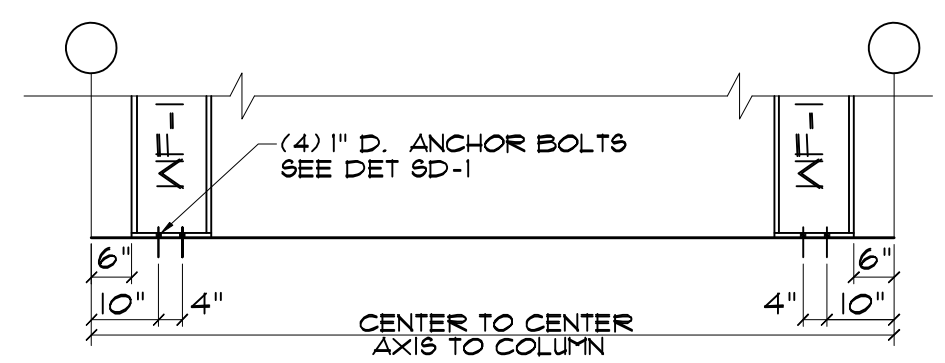


SIDEWALL SHEETING & TRIM: FRAME LINE B  
PANELS: 24 Ga. A - SELECT COLOR

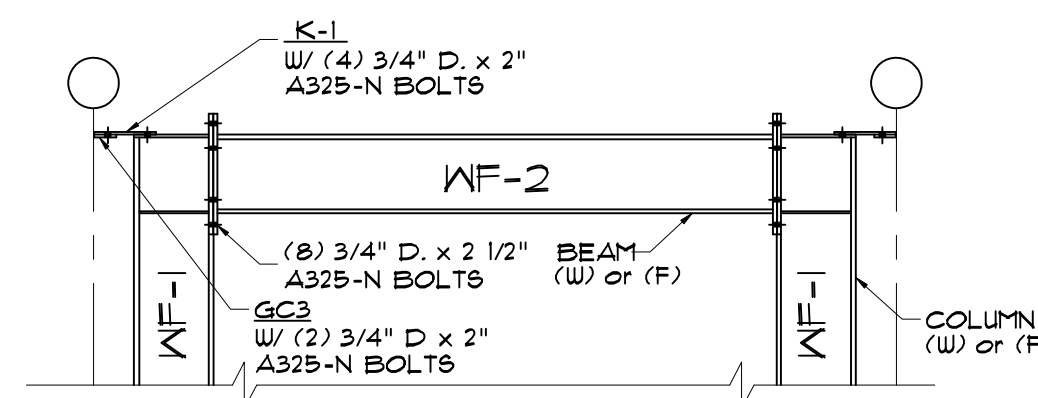
1'-9 1/8" Panel Start



TYPICAL PORTAL BRACING TOP VIEW



TYPICAL PORTAL BRACING BOTTOM LEVATION



TYPICAL PORTAL BRACING TOP LEVATION



REVISIONS

NO.	DATE	REVISIONS

Project name:  
**CANCHA ESCUELA VOCACIONAL EDUARDO GARCIA CANOYANAS, PUERTO RICO**

client:  
WF CONSTRUCTION

approved by:      date:

approved by:      date:

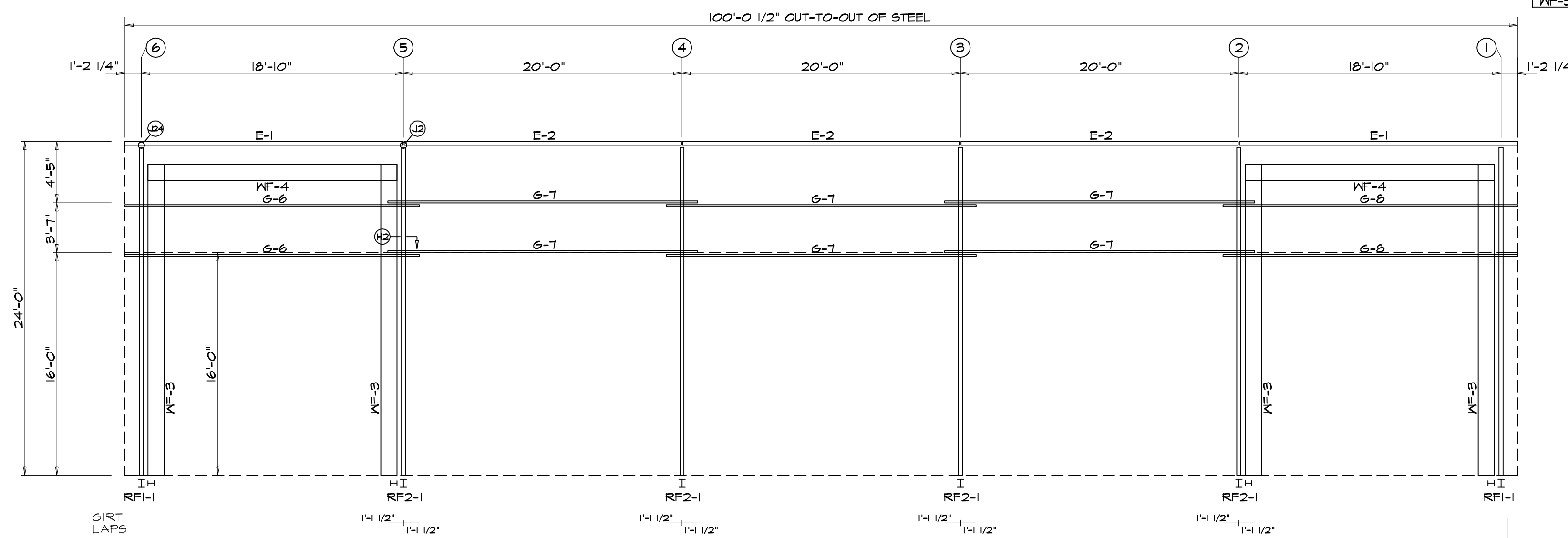
ESCO MANUFACTURING, INC.  
**ESCO**  
STEEL BUILDING SYSTEM  
PO BOX 2381 TOA BAJA, P.R. 00951  
TEL. 784-1024 FAX 784-9810

drawn by:  
date: 3/ 9/20  
chk'd by:      date:

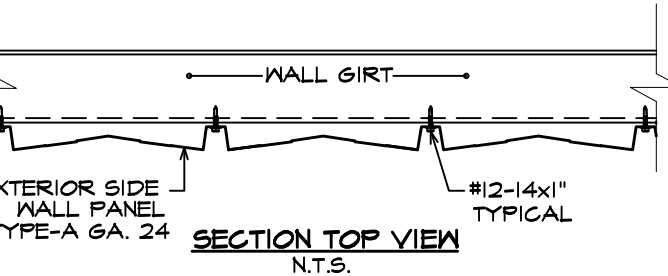
approved by: Lic.  
E. Escobar      8661

2275  
diag no.      of  
ISD-7      10

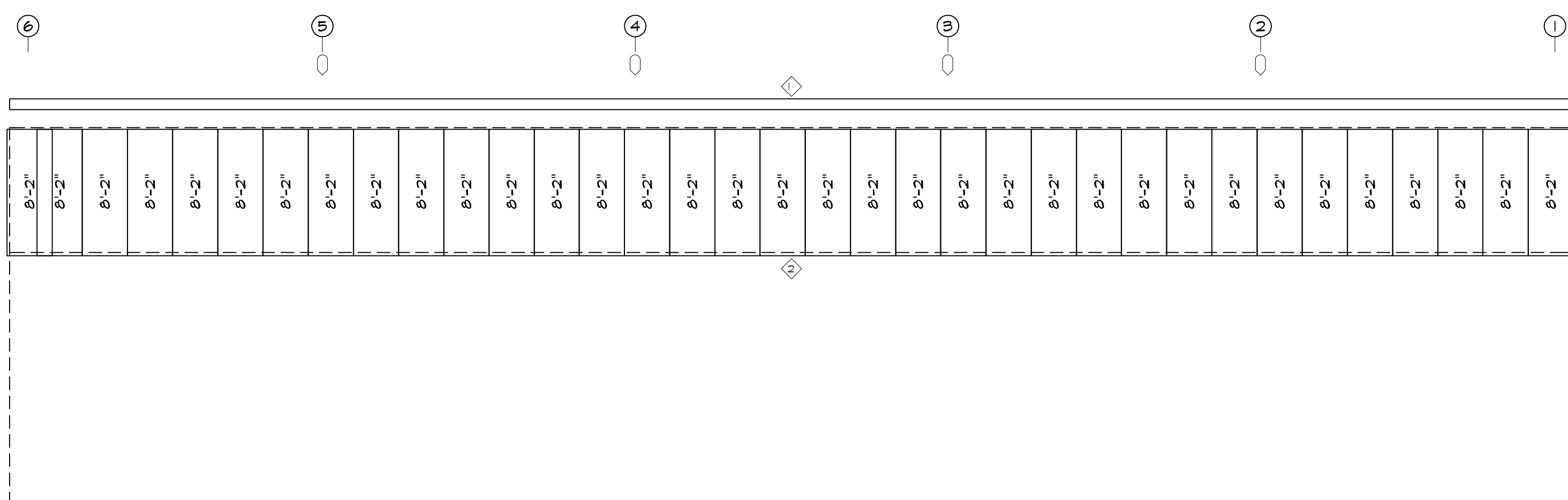
DOWNSPOUT LOCATIONS



SIDEWALL FRAMING: FRAME LINE A

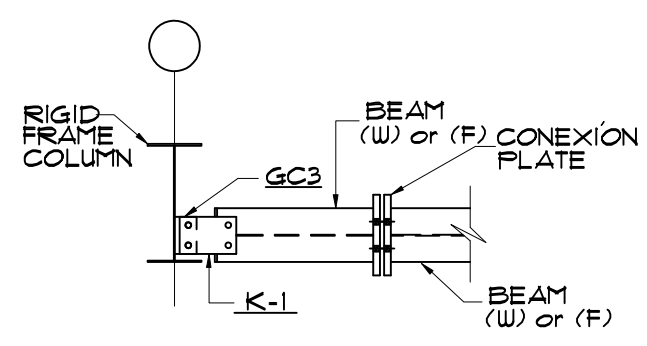


SECTION TOP VIEW N.T.S.

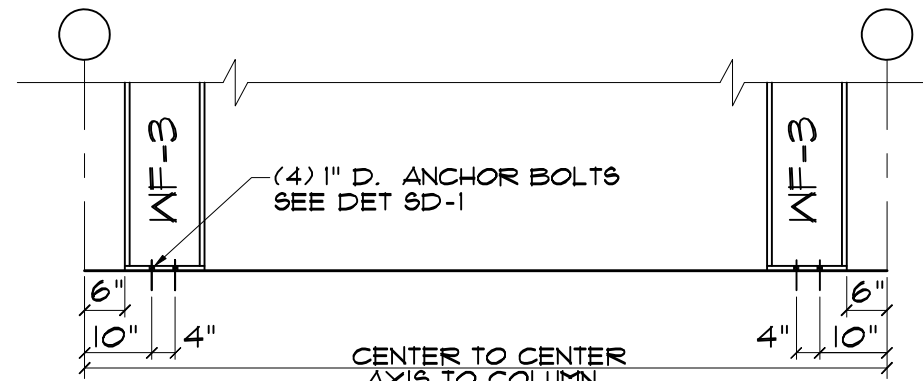


SIDEWALL SHEETING & TRIM: FRAME LINE A  
PANELS: 24 Ga. A - SELECT COLOR

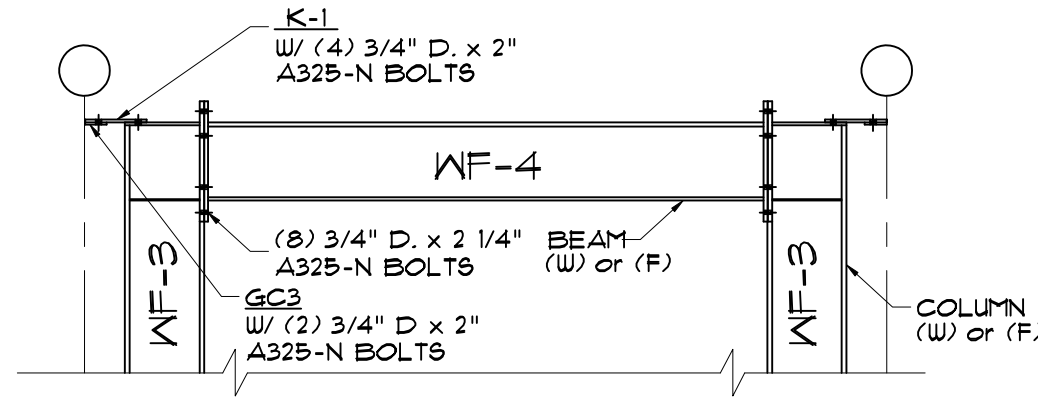
1'-4 1/8" Panel Start



TYPICAL PORTAL BRACING TOP VIEW



TYPICAL PORTAL BRACING BOTTOM LEVATION



TYPICAL PORTAL BRACING TOP LEVATION

**BOLT TABLE**  
FRAME LINE A

LOCATION	QUAN	TYPE	DIA	LENGTH
WF-3 - WF-4	8	A325	3/4"	2 1/4"
WF-3 - RF1-1	4	A325	3/4"	2"
WF-3 - RF2-1	4	A325	3/4"	2"

**MEMBER TABLE**  
FRAME LINE A

MARK	PART	LENGTH
WF-3	W14541	22'-6"
WF-4	W14541	15'-5 1/2"
E-1	10x25C16	19'-11 3/4"
E-2	10x25C16	19'-11 1/2"
G-6	10x25Z16	21'-1 1/2"
G-7	10x25Z16	22'-3"
G-8	10x25Z16	21'-1 1/2"

**TRIM TABLE**  
FRAME LINE A

ID	PART	LENGTH
1	FL-3	10'-0"
2	FL-1	10'-0"

THESE ESCO MANUFACTURING DRAWINGS SHOW THE PROJECT THAT ESCO WILL SUPPLY AND BE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE ERECTION DRAWINGS AND ILLUSTRATE THE SHOP MEMBERS FURNISHED BY ESCO AS DRAWINGS ARE NOT REQUIRED TO BE SEALED IN ANY EVENT, THE SUPPLYING OF SEALED ENGINEERS DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT BY ESCO OR ITS DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. (SECTION 3.2 MEBA MANUAL 2006 ED.)

NO.	DATE	REVISIONS	BY

Project name:  
**CANGHA ESCUELA VOCACIONAL**  
**EDUARDO GARCIA**  
**CANOANAS, PUERTO RICO**

client:  
WF CONSTRUCTION

approved by:      date:

ESCO MANUFACTURING, INC.  
**ESCO**  
STEEL BUILDING SYSTEM  
PO BOX 2381 TOA BAJA, P.R. 00951  
TEL. 784-1024 FAX 784-5810

drawn by:  
date: 3/ 9/20  
chk'd by:      date:

approved by: Lic.  
E. Escobar      8661

2275

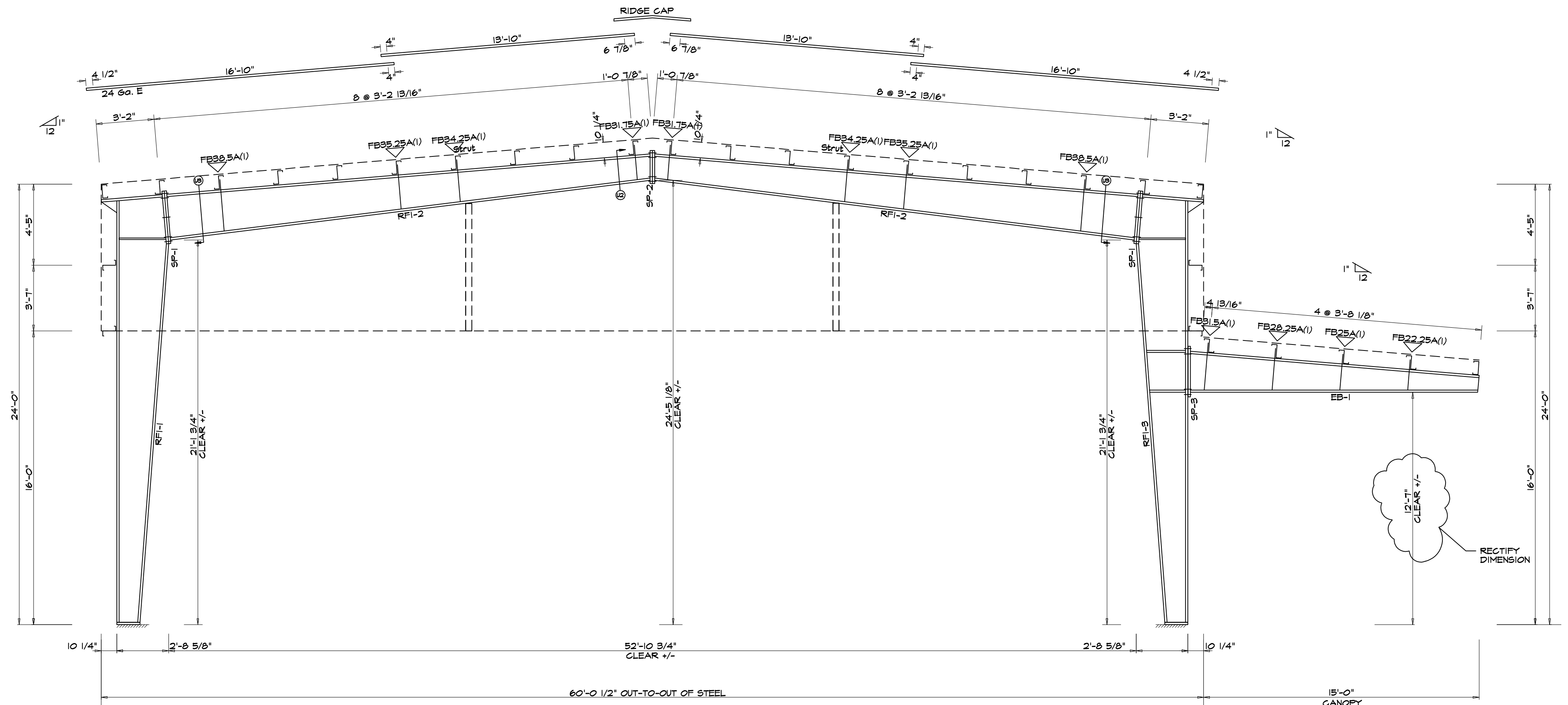
diag no.      of  
ISD-8      10



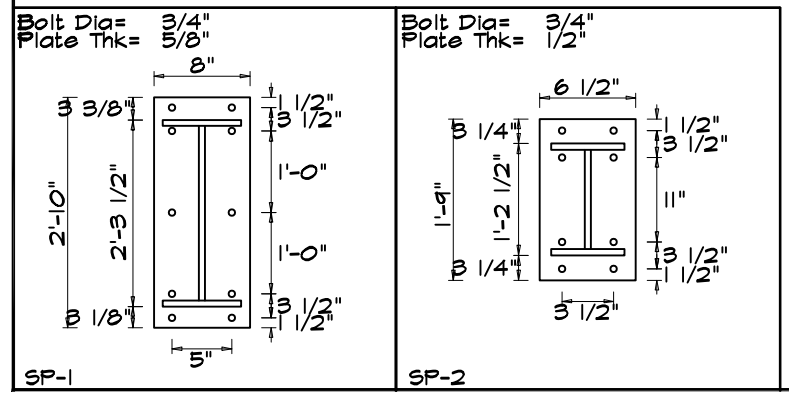
SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	2	A325	3/4"	2 1/2"
SP-2	4	4	0	A325	3/4"	2 1/4"
SP-3	4	4	0	A325	3/4"	2"

▽ FLANGE BRACES: (1) One Side; (2) Two Sides  
 FBxxA(1): xx=length(in)  
 A - L2X2X1/8

MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start	End	Thick	Length	W x Thk x Length	W x Thk x Length
RFI-1	12.0	21.5	0.125	9'-11"	6 x 1/4" x 20'-0"	6 x 1/4" x 9'-7 3/8"
	21.5	30.1	0.125	8'-11"	6 x 1/4" x 3'-1 13/16"	6 x 3/8" x 11'-3 7/16"
	30.1	32.0	0.125	2'-0"	6 x 1/4" x 3'-3 9/16"	
RFI-2	32.0	24.5	0.250	2'-6 5/16"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"
	27.0	23.7	0.125	6'-4 5/8"	6 x 1/4" x 6'-7 5/8"	6 x 1/4" x 6'-6 11/16"
	23.7	18.8	0.125	4'-11"		
RFI-3	18.8	14.0	0.125	4'-11"		
	24.5	32.0	0.250	2'-6 5/16"	6 x 1/4" x 3'-3 9/16"	6 x 3/8" x 11'-3 7/16"
	32.0	30.1	0.125	2'-0"	6 x 1/4" x 8'-0 5/8"	6 x 1/4" x 9'-7 3/8"
EB-1	30.1	21.5	0.125	8'-11"	6 x 1/4" x 12'-4 3/16"	
	21.5	12.0	0.125	9'-11"		
	10.5	26.4	0.125	15'-10 13/16"	6 x 1/4" x 15'-10 13/16"	6 x 1/4" x 15'-10 13/16"



RIGID FRAME ELEVATION: FRAME LINE | 6



THESE ESCO MANUFACTURING DRAWINGS SHOW THE PROJECT THAT ESCO WILL SUPPLY AND ARE SUBMITTED FOR REVISION AND APPROVAL BY THE END CUSTOMER OR HIS REPRESENTATIVE. THESE ARE ERECTION DRAWINGS AND ILLUSTRATES THE SHOP MEMBERS FURNISHED BY ESCO AS WELL AS THE FIELD MEMBERS TO BE USED IN ANY EVENT, THE SUPPLYING OF SEALED ENGINEERS DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT WITH ESCO OR A DESIGN PROFESSIONAL FOR THE CONSTRUCTION PROJECT. (SECTION 3.2 MBSMA MANUAL 2006 ED.)

NO.	DATE	REVISIONS	BY

Project name:  
**CANCHA ESCUELA VOCACIONAL EDUARDO GARCIA CANOYANAS, PUERTO RICO**

client:  
 WF CONSTRUCTION

approved by: \_\_\_\_\_ date: \_\_\_\_\_



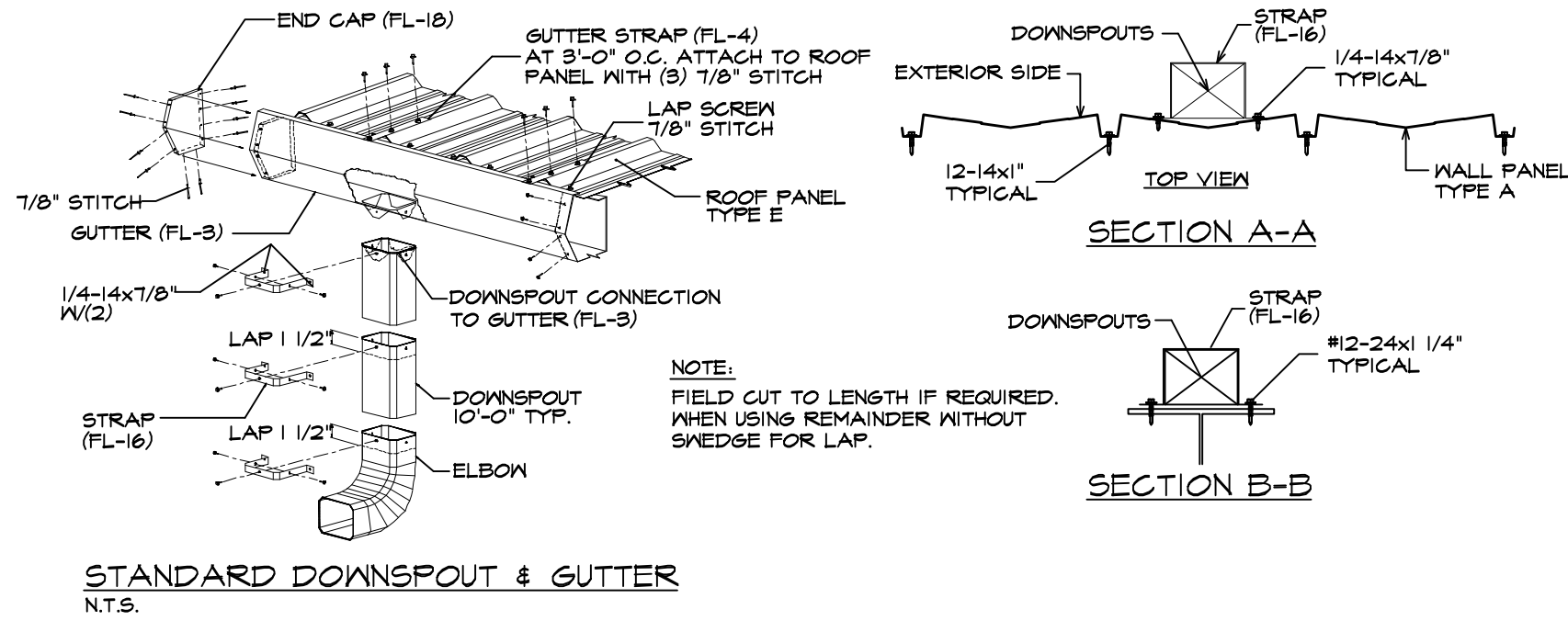
drawn by:  
 date: 3/ 9/20  
 chk'd by: \_\_\_\_\_ date: \_\_\_\_\_

approved by: Lic. E. Escobar 8661

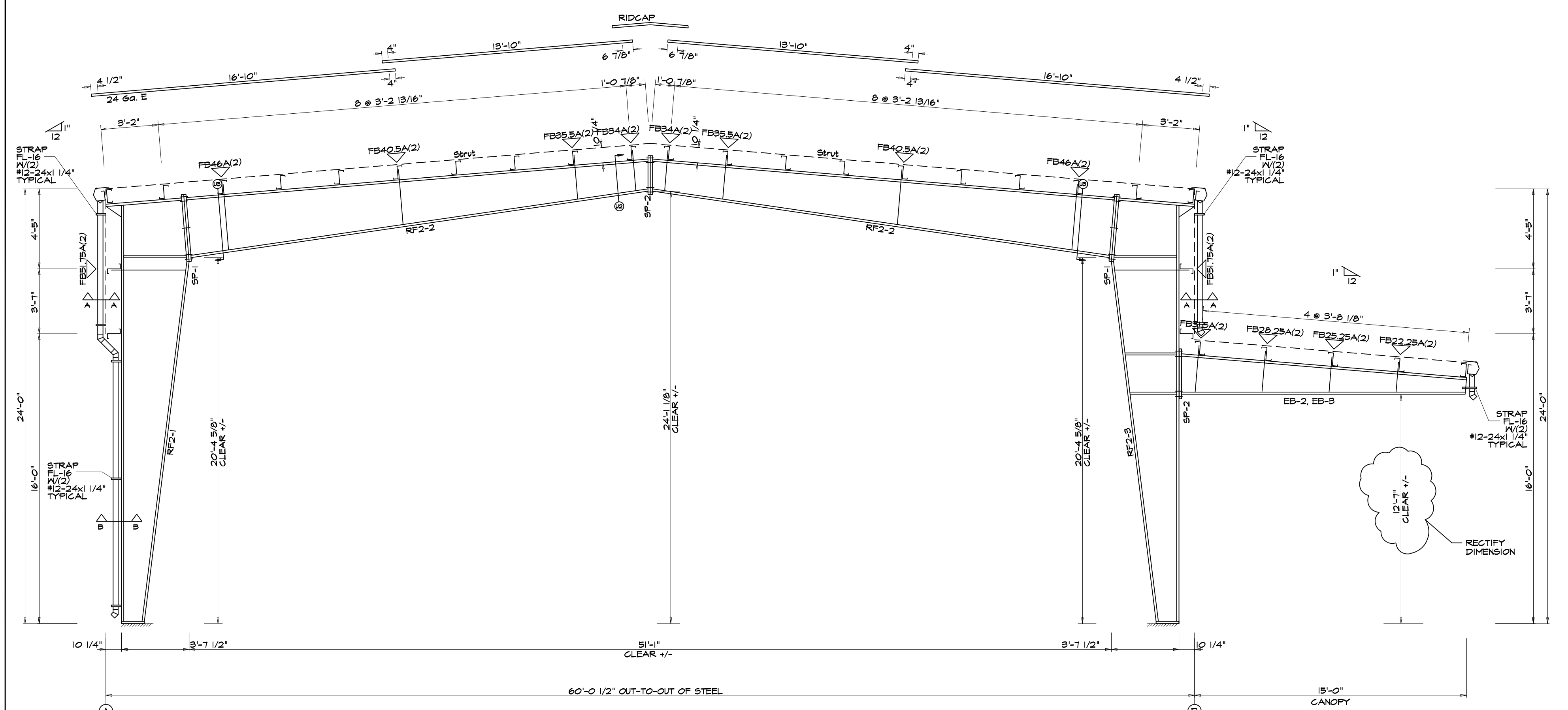
2275	
diag no.	of
ISD-9	10

SPlice Bolt Table						
Mark	Qty	Top	Bot	Int	Type	Length
SP-1	4	4	2	A325	3/4"	2 1/2"
SP-2	4	4	0	A325	3/4"	2 1/4"

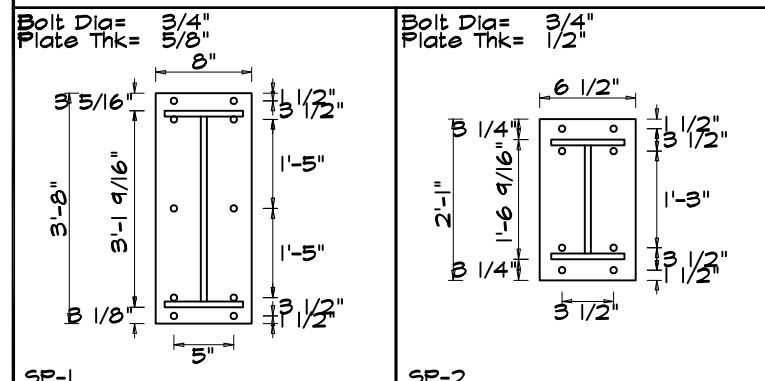
FLANGE BRACES: (1) One Side; (2) Two Sides  
 FBxxA(1): xx=length(in)  
 A - L2X2X1/8



MEMBER TABLE						
Mark	Web Depth		Web Plate		Outside Flange	Inside Flange
	Start/End	Thick	Length	W x Thk x Length	W x Thk x Length	
RF2-1	12.0/27.3	0.125	4'-11"	6 x 1/4" x 20'-0"	6 x 1/4" x 18'-2 11/16"	
	27.3/39.9	0.188	8'-1 3/4"	6 x 1/4" x 3'-1 11/16"	6 x 1/4" x 2'-0"	
	39.9/43.0	0.250	2'-0"	6 x 1/4" x 4'-1 13/16"		
RF2-2	37.0/32.6	0.188	5'-11 7/16"	6 x 1/4" x 20'-0"	6 x 1/4" x 20'-0"	
	32.6/25.3	0.188	4'-11"	6 x 1/4" x 5'-9 7/16"	6 x 1/4" x 5'-8 1/2"	
	25.3/18.0	0.125	4'-11"			
RF2-3	39.6/43.0	0.250	3'-4 1/4"	6 x 1/4" x 4'-1 13/16"	6 x 1/4" x 2'-0"	
	43.0/39.9	0.188	2'-0"	6 x 1/4" x 8'-0 11/16"	6 x 1/4" x 18'-2 11/16"	
	39.9/27.3	0.188	8'-1 3/4"	6 x 1/4" x 12'-4"		
EB-2	27.3/12.0	0.125	4'-11"			
EB-3	10.4/26.2	0.125	15'-10 11/16"	6 x 3/8" x 15'-10 11/16"	6 x 1/4" x 15'-10 11/16"	
	0.4/26.2	0.125	15'-10 11/16"	6 x 3/8" x 15'-10 11/16"	6 x 1/4" x 15'-10 11/16"	



RIGID FRAME ELEVATION: FRAME LINE 2 3 4 5



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NO.	DATE	REVISIONS	BY

Project name:  
**GANCHA ESCUELA VOCACIONAL**  
**EDUARDO GARCIA**  
**CANOANAS, PUERTO RICO**

client:  
 WF CONSTRUCTION

approved by: \_\_\_\_\_ date: \_\_\_\_\_

ESCO MANUFACTURING, INC.  
  
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approved by: Lic.  
 E. Escobar 8661

2275

drawg no. SD-10 of 10

