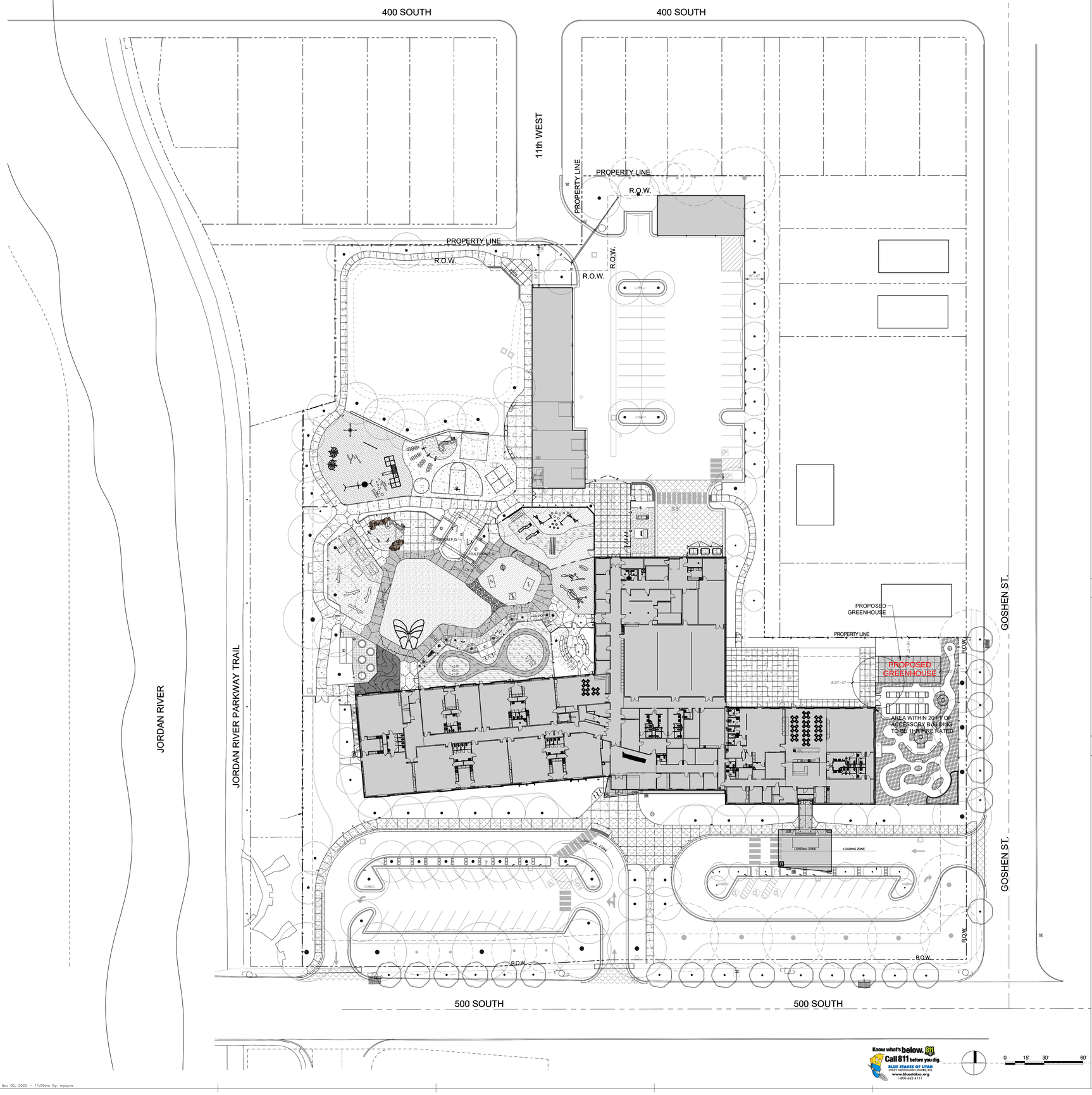


REFERENCE NOTES

1. EXISTING SIDEWALK
2. PROPOSED SIDEWALK
3. EXISTING LIGHTS
4. PROPOSED LIGHTS (DETAIL 1 EDT700)
5. EXISTING APPROACH
6. PROPOSED APPROACH
7. EXISTING FIRE HYDRANTS
8. PROPOSED ACCESSIBILITY RAMP
9. PROPOSED GARAGE
10. PEDESTRIAN PATHWAY
11. EXISTING FENCE PROTECT IN PLACE
12. PROPOSED FENCE (DETAIL D1/LA401 (5'), D2/LA401 (6'), D4/LA401(4'))
13. PROPOSED FENCE GATE (DETAIL A4/LA401 (SLIDING CANTILEVER))
13A. PROPOSED FENCE GATE (DETAIL C2/LA401 (6' SINGLE SWING)).
13B. PROPOSED FENCE GATE (DETAIL C3/LA401 (6' DOUBLE SWING)).
14. DUMPSTER LOCATION - 2 TRASH BINS AND 1 RECYCLE BIM (DETAIL A3 LA-402)
15. FLAGPOLE
16. CONCRETE PAVING
17. ASPHALT PAVING
18. BUILDING MECHANICAL LOCATION
19. FACILITY STORAGE SHED
20. PLAYGROUND EQUIPMENT
21. BIKE RACK (DETAIL A3 LA-400)
22. ADA PARKING STALL (DETAIL 9 C-6)
23. PARKING STALL
24. ADA ROUTE
25. RAISED AMPHITHEATER
26. AMPHITHEATER STORAGE DOORS
27. PROPOSED TREES
28. PROPERTY BOUNDARY
29. FIRE DEPARTMENT CONNECTION
30. NO PARKING - FIRE LANE SIGN (DETAIL A1 LA401)
31. KNOX SWITCH - GATE FIRE ACCESS SWITCH
32. PROPOSED FIRE HYDRANT
33. FIRE DEPARTMENT LANE
34. PARKING LOT STRIPING
35. CARVAN POOL SIGN (DETAIL B1 LA401)
36. AREA OF REFUGE SIGN (DETAIL C1 LA401)
37. LOADING ZONE - 10" HIGH WHITE LETTERING WITH A 4" WIDE WHITE STRIPE SEPARATING THE TRAVEL LANE

GENERAL NOTES

FIRE APPARATUS ACCESS ROADS SHALL NOT BE OBSTRUCTED IN ANY MANNER, INCLUDING BUT NOT LIMITED TO THE FOLLOWING, THE PARKING OF VEHICLES, OVERHEAD OBSTRUCTIONS. THE MINIMUM WIDTHS AND CLEARANCES ESTABLISHED IN IFC SECTION 503.2, AND IFC APPENDIX-D, SHALL BE MAINTAINED AT ALL TIMES.

A. THE INSTALLATION OF SECURITY GATES ACROSS A FIRE APPARATUS ACCESS ROAD SHALL BE APPROVED BY THE FIRE CHIEF. WHERE SECURITY GATES ARE INSTALLED, THEY SHALL HAVE AN APPROVED MEANS OF EMERGENCY OPERATION. THE SECURITY GATES AND THE EMERGENCY OPERATION SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES. ELECTRIC GATE OPERATORS, WHERE PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325. GATES INTENDED FOR AUTOMATIC OPERATION SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ASTM F 2200, IN ACCORDANCE WITH IFC SECTION 503.6 SECURITY GATES.

B.

LEGEND

SYMBOL	NAME
	PROPERTY BOUNDARY
	CONCRETE PAVING
	VEHICULAR PAVING, SEE CIVIL DRAWINGS
	ASPHALT PAVING, SEE CIVIL DRAWINGS
	SINGLE GATE
	DOUBLE GATE
	VEHICULAR GATE
4 4	4' FENCE
5 5	5' FENCE
6 6	6' FENCE
	PERIMETER FENCE
	ADA ACCESS ROUTE
	ADA ACCESS ROUTE
	FIRE DEPARTMENT ACCESS ROUTE
	FIRE HOSE DRAG DISTANCE
	SITE PROPERTY LINE OFFSET
	AREA OF REFUGE
	INTERIOR SIDE YARD OPEN SPACE ZONING
	PARKING LOT AREA
	PARKING LOT ISLAND LANDSCAPING

0 15' 30' 60'

FFKR ARCHITECTS
730 Pacific Avenue · Salt Lake City, Utah 84104
O 801.521.6186 · FFKR.COM

FURST CONSTRUCTION COMPANY

NEIGHBORHOOD HOUSE

1050 WEST 500 SOUTH
SALT LAKE CITY, UTAH (801) 363-4589
CONFORMANCE SET - 06/26/2018

SEAL
STATE OF UTAH
JACKSON FERGUSON, AIA
#5340047-0301
LICENSED ARCHITECT
11.8.18

PROJECT # 16040

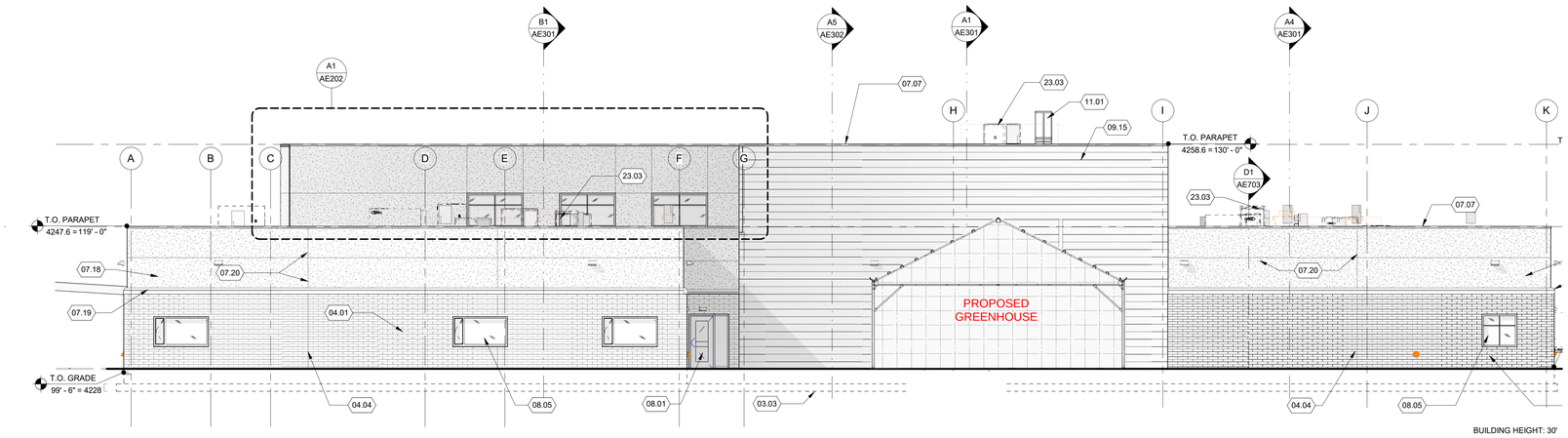
	DATE	STATUS
2	1/29/18	CITY COMMENT
3	3/09/18	ADDENDUM 1
4	4/06/18	CITY COMMENT
5	5/14/18	CITY COMMENT

OVERALL SITE PLAN

AS-100

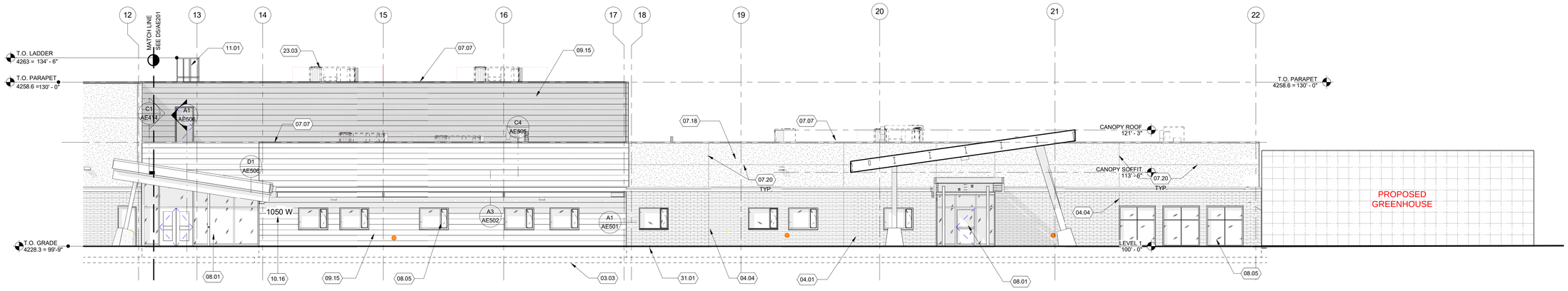
REFERENCE NOTES

03.03	CONCRETE FOOTING; RE:STRUCTURAL
04.01	IMPERIAL BRICK
04.02	ATLAS BRICK
04.04	BRICK CONTROL JOINT
07.07	METAL PARAPET FLASHING
07.18	EXTERIOR INSULATION FINISH SYSTEM
07.19	10" HIGH E.I.F.S TRIM
07.20	1/2" E.F.I.S. CONTROL JOINT WITH PREMANUFACTURED 1/2" X 1/2" REVEAL
08.01	SCHEDULED ALUMINUM DOOR AND WINDOW STOREFRONT SYSTEM
08.03	SCHEDULED DOOR: RE: DOOR SCHEDULE
08.05	SCHEDULED WINDOW; RE: WIDOW SCHEDULE
09.12	METAL SHEETING OVER 3/4" PLYWOOD / 4" Z CLIP, 1 1/2" AIR GAP, 2 1/2" POLY-ISO, AIR BARRIER, 5/8" SHEATHING
09.15	METAL PANEL OVER 1" AIR GAP OVER 2 1/2" POLY-ISO, OVER 5/8" SHEATHING
10.16	MINIMUN 6" HIGH AND 1/2" WIDE POWDER COATED STAINLESS STEEL LETTERING, CONTRASTING COLOR OF THE BACKGROUND, MUST CONFORM TO THE CITY REQUIREMENT
11.01	PREFINISHED ROOF TOP CAGED LADDER, DESIGN TO CONFORM WITH OSHA/IBC STANDARD
23.03	MECHANICAL EQUIPMENT ON PREMANUFACTURED CURB; RE: MECHANICAL
31.01	COMPACTED FILL; RE: STRUCTURAL



A5 MAIN EAST EXTERIOR ELEVATION

SCALE: 1/8" = 1'-0"



B5 PARTIAL SOUTH EXTERIOR ELEVATION

SCALE: 1/8" = 1'-0"

FFKR ARCHITECTS
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O 801.521.6186 · FFKR.COM

FURST CONSTRUCTION COMPANY

NEIGHBORHOOD HOUSE
1050 WEST 500 SOUTH
SALT LAKE CITY, UTAH (801) 363-4589
CONFORMANCE SET 07/11/2018

STATE OF UTAH
JACKSON FERGUSON, AIA
#5340047-0301
LICENSED ARCHITECT
11-8-17

△	DATE	REVISION
1	1-10-18	City Comments
2	1-29-18	City Comment 2
4	3-19-18	City comment 3

PROJECT NUMBER 16040

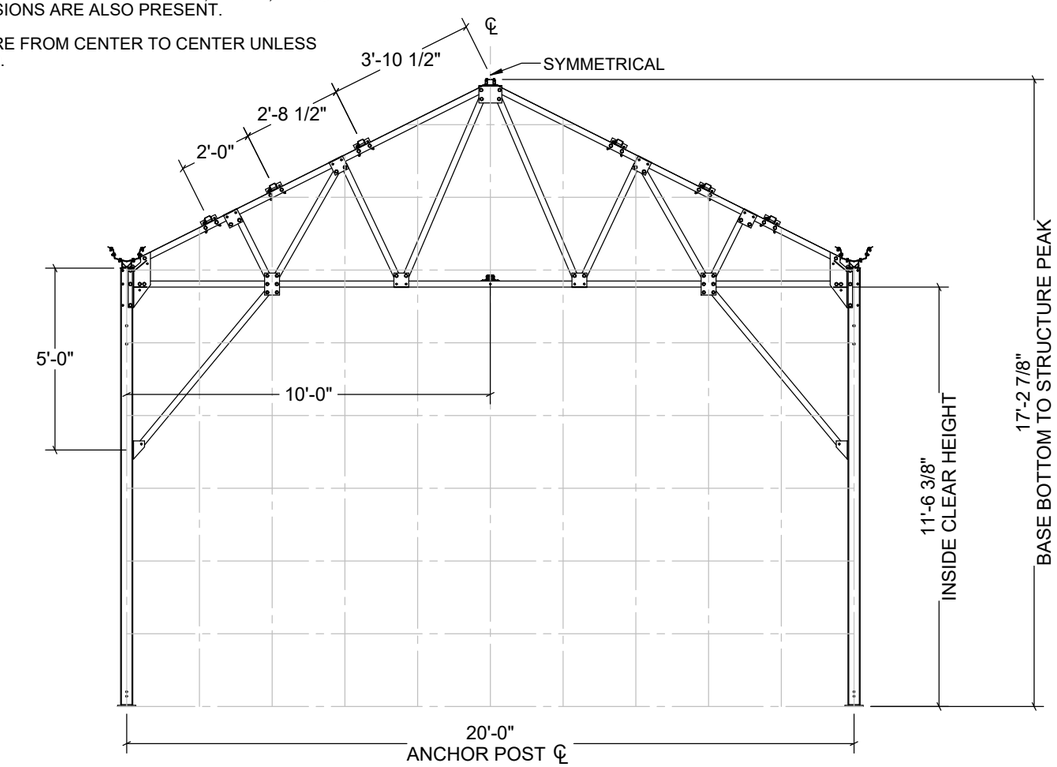
EXTERIOR ELEVATIONS

7/11/2018 11:07:05 AM

ADDITIONAL INFORMATION

THESE PRINTS IDENTIFY AND SHOW THE MAIN COMPONENTS AND CONNECTIONS FOR THIS BUILDING. LENGTH, WIDTH, AND OTHER IMPORTANT DIMENSIONS ARE ALSO PRESENT.

ALL DIMENSIONS ARE FROM CENTER TO CENTER UNLESS OTHERWISE NOTED.



NOTE: GRID REPRESENTS 24" SQUARES

G22012E04801S01

DOCUMENT CONTENT GUIDE:

**** NOTE **:** ALL DOORS, VENTS, AND OPENINGS MUST BE CLOSED AND SECURED DURING WIND EVENTS (3-SECOND GUST WIND SPEEDS > 50 MPH).

**** NOTE **:** GROWSPAN RECOMMENDS THE TOP OF THE FOUNDATION BE SLOPED OR STEPPED AT 1/4" PER 12' ALONG THE BUILDING LENGTH TO FACILITATE DRAINAGE FROM THE GUTTERS.

**** NOTE ****: EXIT DOORS TO BE PROVIDED BY OWNER AS REQUIRED TO MEET EGRESS REQUIREMENTS OF LOCAL BUILDING CODE. CHECK WITH LOCAL BUILDING OFFICIAL FOR REQUIREMENTS.

**** NOTE **:** FOUNDATION AND ANCHOR DESIGN IS NOT BY GROWSPAN OR VECTOR ENGINEERS. THE FOUNDATION AND ANCHOR DESIGN IS BY OTHERS. THE FOUNDATION AND ANCHORS ARE CRITICAL ELEMENTS FOR THE BUILDING TO FUNCTION AS DESIGNED. THE OWNER IS RESPONSIBLE FOR ENSURING THE FOUNDATION IS DESIGNED FOR THE BUILDING BY A PROFESSIONAL IN ACCORDANCE WITH LOCAL REQUIREMENTS.

**** NOTE **:** UNLESS APPROVED BY GROWSPAN, A SEPARATION DISTANCE OF 20 FEET SHALL BE MAINTAINED BETWEEN THE GROWSPAN STRUCTURE AND ANY EXISTING OR FUTURE BUILDINGS, STRUCTURES, OR TERRAIN FEATURES THAT HAVE A TALLER PROFILE THAN THE GROWSPAN STRUCTURE.

**** NOTE **:** THIS GREENHOUSE MUST BE CONTINUOUSLY HEATED WITH A ROOF HAVING A THERMAL RESISTANCE (R-VALUE) LESS THAN 2.0°F x h x ft²/BTU. THIS GREENHOUSE MUST MAINTAIN AN INTERIOR TEMPERATURE ≥ 50°F AT ANY POINT 3 FEET ABOVE THE FLOOR LEVEL DURING WINTERS. THIS GREENHOUSE SHALL HAVE EITHER AN ATTENDANT ON DUTY AT ALL TIMES OR A TEMPERATURE ALARM SYSTEM TO PROVIDE WARNING IN THE EVENT OF A HEATING FAILURE.

PROFESSIONAL ENGINEER
No. 9875087-2202
ERIC SUMSION
STATE OF UTAH

07/08/2020

DEVELOPED BY
GROWSPAN greenhouse structures
ENGINEERING SERVICES & PRODUCTS CO.
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DYERSVILLE, IA 52040
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WWW.ESAPCO.COM

ORDER #: **7578967**

VECTOR Engineers
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PHONE (801) 990-1775
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VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G22012E04801S01**

STRUCTURE SIZE: **20' X 48'**

CUSTOMER INFORMATION:
FURST CONSTRUCTION COMPANY
708 W NORTH TEMPLE
SALT LAKE CITY, UT 84116-3352

SHEET TITLE: **COVER SHEET**

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
BL	5/20/2020

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **A1**

SITE LOCATION AND BUILDING DESCRIPTION:

SITE LOCATION:	1050 WEST 500 SOUTH SALT LAKE CITY, UT 84104 SALT LAKE COUNTY
SITE ELEVATION:	4,228 FEET
BUILDING SIZE:	20' X 48': 960 SQUARE FEET
BUILDING TYPE:	STEEL-FRAMED STRUCTURE
CONSTRUCTION TYPE:	VB
ROOF CLADDING MATERIAL:	POLYCARBONATE
SIDEWALL CLADDING MATERIAL:	POLYCARBONATE
ENDWALL CLADDING MATERIAL:	POLYCARBONATE

GENERAL NOTES:

1. DESIGNED IN CONFORMANCE WITH THE STRUCTURAL PROVISIONS OF THE INTERNATIONAL BUILDING CODE, 2018 EDITION.

2. DESIGN LOADS:

   A. FLOOR LIVE LOAD: N/A
   B. ROOF LIVE LOAD: 12 PSF
   C. ROOF SNOW LOADS:

   Pg (GROUND SNOW LOAD) = 28 PSF
   Ce (SNOW EXPOSURE FACTOR) = 1.0 (PARTIALLY EXPOSED TERRAIN CATEGORY C)
   Ct (THERMAL FACTOR) = 0.85***
   Is (SNOW IMPORTANCE FACTOR) = 1.0 (RISK CATEGORY II)
   Pf (FLAT ROOF SNOW LOAD) = 16.7 PSF
   Ps (SLOPED ROOF SNOW LOAD) = Cs Pf
   Cs (SLOPE FACTOR) = AS DETERMINED FOR GABLE OR ARCHED OR SAWTOOTH ROOF PER ASCE 7 (BALANCED AND UNBALANCED LOADING CONDITIONS CONSIDERED)

   SNOW DRIFTING AND SLIDING FROM ADJACENT BUILDINGS, STRUCTURES, TERRAIN FEATURES, OR ANY OTHER HORIZONTAL SURFACES HAS NOT BEEN CONSIDERED.

   D. WIND DESIGN DATA: (MAIN WIND FORCE RESISTING SYSTEM)

   V (ULTIMATE WIND SPEED) = 105 MPH
   Kd (WIND DIRECTIONALITY FACTOR) = 0.85
   Kzt (WIND TOPOGRAPHIC FACTOR) = 1.0 (ASSUMED)
   EXP (EXPOSURE CATEGORY) = C
   GCpi (INT. PRES. COEFF.) = +/-0.18 (ENCLOSED)
   Cp (EXT. PRES. COEFF.) = AS DETERMINED FOR GABLE OR ARCHED OR MULTISPAN ROOF PER ASCE 7

   COMPONENTS AND CLADDING WIND PRESSURE: PER ASCE 7

   E. EARTHQUAKE DESIGN DATA: (EQUIV. LATERAL FORCE METHOD)
   SEISMIC DESIGN CATEGORY = D
   RISK CATEGORY = II, SEISMIC IMPORTANCE FACTOR = 1.0
   S_S = 1.537 g, S_1 = 0.551 g, SITE CLASS: D
   S_{DS} = 1.025 g, S_{D1} = 0.643 g
   C_S = 0.342, R = 3, SEISMIC BASE SHEAR = 3.45 KIPS
   BASIC SEISMIC-FORCE-RESISTING SYSTEM =
   STEEL ORDINARY MOMENT FRAMES (TRANSVERSE) AND STEEL ORDINARY CONCENTRICALLY BRACED FRAMES (LONGITUDINAL).

3. THE TRUSSES ARE DESIGNED TO ACCOMMODATE LIMITED ADDITIONAL WEIGHT. ADDITIONAL LOADS, SUCH AS FOR LIGHTING, HEATING AND VENTILATING EQUIPMENT, HANGING PLANTS, AND IRRIGATION SYSTEMS, SHALL NOT EXCEED 500 LBS. PER ASSEMBLED TRUSS, WITHOUT THE WRITTEN APPROVAL OF THE DESIGN ENGINEER. LOADS SHALL BE APPLIED AT PANEL POINTS (POINTS OF CONTACT BETWEEN TRUSS WEB AND CHORD), AND SHALL BE DISTRIBUTED SO THAT NO MORE THAN 100 LBS. IS SUSPENDED FROM ANY SINGLE LOCATION.

4. THE EXTERIOR COMPONENTS AND CLADDING MATERIALS ARE NOT SPECIFICALLY DESIGNED BY THE DESIGN PROFESSIONAL. SEE NGMA STRUCTURAL DESIGN MANUAL.

FOUNDATION:

1. FOUNDATION AND ANCHORING SHALL BE ENGINEERED AND APPROVED BY A LOCALLY LICENSED STRUCTURAL ENGINEER TO ACCOUNT FOR THE BUILDING REACTION DATA SHOWN ON SHEET [J1].

GENERAL ABBREVIATIONS:

TOS TOP OF STEEL / **TSL** TOP OF SLAB / **GALV.** GALVANIZED /
FND FOUNDATION / **EL** ELEVATION / **RND.** ROUND /
GA GAUGE / **DIA.** DIAMETER / **TYP.** TYPICAL / **LBS.** POUNDS /
CL CENTERLINE / **EXT.** EXTERIOR / **INT.** INTERIOR /
CONN. CONNECTION / **TC** TOP CHORD / **BC** BOTTOM CHORD

SITE CONDITIONS:

1. NEITHER GROWSPAN NOR THE BUILDING ENGINEER HAVE VISITED THIS JOBSITE. INFORMATION CONTAINED HEREIN IS BASED ON CLIENT SUPPLIED DATA AND MEASUREMENTS. THE DESIGN AND DEPICTED FABRICATION, ERECTION, AND FOUNDATION DRAWINGS ARE ONLY VALID FOR THE EXACT DESIGN PARAMETERS AND COMBINATIONS OF PARAMETERS DOCUMENTED. NEITHER GROWSPAN NOR THE BUILDING ENGINEER SHALL BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. WORK SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. GROWSPAN AND/OR THE BUILDING ENGINEER SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO RE-EVALUATE THEIR WORK UPON DISCOVERY OF ANY INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS.

STEEL AND HARDWARE:

1. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL TUBING SHALL BE GALVANIZED, MIN. YIELD STRENGTH 50 KSI, AND SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM A500 GRADE C.

2. UNLESS OTHERWISE NOTED, STEEL PLATES SHALL COMPLY WITH ASTM A572 GRADE 50 OR EQUAL FOR 3/16" OR GREATER THICKNESS AND ASTM A1011 GRADE 50 OR ASTM A653 GRADE 50 OR EQUAL FOR LESS THAN 3/16" THICKNESS.

3. UNLESS OTHERWISE NOTED, ALL BOLTED CONNECTIONS SHALL USE SAE J429 GRADE 2 OR A307 OR BETTER BOLTS WITH COMPATIBLE WASHERS AND NUTS OF DIAMETERS INDICATED ON PLANS. BOLTS NEED ONLY BE TIGHTENED TO THE SNUG-TIGHT CONDITION. THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH, APPLICATION OF AN ELECTRIC TORQUE WRENCH UNTIL THE WRENCH BEGINS TO SLOW, OR THE FULL EFFORT OF A WORKER USING AN ORDINARY SPUD WRENCH.

4. ALL STRUCTURAL STEEL IS TO BE FABRICATED IN ACCORDANCE WITH THE LATEST EDITION OF AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."

5. UNLESS OTHERWISE NOTED, ALL COLD ROLLED STEEL USED IN THE FABRICATION OF COLD FORMED STRUCTURAL MEMBERS SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.

6. UNLESS OTHERWISE NOTED, LIGHT GAUGE - COLD FORMED STRUCTURAL STEEL MEMBERS SHALL CONFORM TO ASTM A500 (Fy = 50 KSI).

CABLES AND HARDWARE:

1. ALL CABLE SHALL BE GALVANIZED STEEL, MULTIPURPOSE, 7X7 (1/4" DIA.) OR 7X19 (5/16" & 3/8" DIA.) OR 6X26 (1/2" DIA.) CLASS STRAND CORE COMMERCIAL GRADE, OF DIAMETER INDICATED.

2. CABLE SLEEVES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

3. USE THIMBLES WITH CABLE SLEEVES IN ALL LOOP-END APPLICATIONS.

4. TENSION CABLES AT TURNBUCKLE TO TAUT CONDITION (STRAIGHT AND NOT SLACK OR LOOSE).

5. TIGHTEN CABLES SEQUENTIALLY TO AVOID TWISTING OR DEFORMING STRUCTURAL ELEMENTS DURING ERECTION. RECHECK PREVIOUSLY TIGHTENED CABLES UNTIL ALL CABLES ACHIEVE TAUT CONDITION.

6. 7X7 (1/4" DIA.) BREAKING STRENGTH = 6100 LBS

7. 7/16" SHACKLE (**AS2167**) WORKING LOAD = 2750 LBS

WELDING:

1. ALL WELDING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AWS D1.1 AND D1.3.

2. REFER TO AWS PUBLICATION D19.0-72: WELDING ZINC-COATED STEEL AND "WELDING GUIDELINES" PUBLISHED BY ALLIED TUBE AND CONDUIT - HARVEY, ILLINOIS, FOR RECOMMENDED PROCESSES AND PRACTICES FOR WELDING GALVANIZED STEEL.

3. ALL SHOP WELDING IS TO BE PERFORMED BY CERTIFIED WELDERS.

PAINTING AND TOUCH UP:

1. AFTER SHOP FABRICATION, PAINT ALL BARE STEEL, WELDS, AND ABRADED AREAS WITH COLD GALVANIZING COMPOUND CONSISTENT WITH GALVANIZED TUBE MANUFACTURER'S RECOMMENDATIONS FOR COLOR AND COMPOSITION. PRIOR TO TOUCH-UP, CLEAN WELDED AND ABRADED AREAS WITH A WIRE BRUSH. SURFACES MUST BE CLEAN AND OIL FREE.

2. AFTER FIELD INSTALLATION, TOUCH-UP ANY FIELD WELDS AND DAMAGED AREAS WITH COLD GALVANIZING COMPOUND.

ERECTION AND FIELD QUALITY CONTROL:

1. THE ERECTOR IS RESPONSIBLE FOR DESIGNING AND FURNISHING ALL TEMPORARY BRACING, SHORING, AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF ERECTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING ERECTION.

2. NO MODIFICATIONS OR ALTERATIONS (OTHER THAN THOSE SHOWN ON THE DRAWINGS) SHALL BE MADE IN ANY STRUCTURAL MEMBER OR CONNECTION WITHOUT THE WRITTEN APPROVAL OF THE DESIGN ENGINEER.

***BUILDING INTERNAL ENVIRONMENT:

1. THIS BUILDING HAS BEEN DESIGNED AS CONTINUOUSLY HEATED DURING WINTERS AND SATISFYING ALL THREE CONDITIONS (A,B,C) BELOW:
   A. A ROOF HAVING A THERMAL RESISTANCE (R-VALUE) LESS THAN 2.0 (°F x h x ft2/BTU).
   NOTE: GROWSPAN'S TYPICAL FILM AND POLYCARBONATE CLADDING SATISFIES THIS REQUIREMENT.
   B. AN INTERIOR TEMPERATURE ≥ 50°F WILL BE MAINTAINED AT ANY POINT 3 FEET ABOVE THE FLOOR LEVEL DURING WINTERS FOR THE LIFE OF THE STRUCTURE.
   C. THERE WILL BE EITHER A MAINTENANCE ATTENDANT ON DUTY AT ALL TIMES OR A TEMPERATURE ALARM SYSTEM TO PROVIDE WARNING IN THE EVENT OF A HEATING FAILURE. THERE SHOULD BE A PLAN OF ACTION** IN PLACE IN CASE OF A HEATING SYSTEM FAILURE.

2. ****PLAN OF ACTION IN THE EVENT OF A HEATING SYSTEM FAILURE**:
   A. BUILDING MUST BE UNOCCUPIED IMMEDIATELY.
   B. IF CAN SAFELY BE DONE, OWNER IS RESPONSIBLE FOR THE PROMPT REMOVAL OF SNOW FROM THE ROOF.
   C. IF CAN SAFELY BE DONE, OWNER IS RESPONSIBLE FOR THE PROMPT REMOVAL OF SNOW AWAY FROM THE BUILDING WALLS.
   D. RESTORE GREENHOUSE TEMPERATURE TO A MINIMUM OF 50° F (10° C) AS QUICKLY AS POSSIBLE.
   E. CONSULT WITH THE SEALING ENGINEER AND/OR BUILDING MANUFACTURER FOR NEXT STEPS TO BE TAKEN SUCH AS REMOVING CLADDING OR ADDING ADDITIONAL SUPPORTS.
   F. FAILURE TO COMPLY WITH THIS PLAN OF ACTION COULD RESULT IN A DANGEROUS SITUATION.

BOX BOLTS:

BOX BOLT HOLE SIZES & INSTALLATION TORQUE[1]		
BOX BOLT DIA.	**HOLE DIA.**	**INSTALLATION TORQUE**
1/4"	7/16"	14 FT-LB
5/16"	9/16"	18 FT-LB
3/8"	3/4"	33 FT-LB
1/2"	13/16"	59 FT-LB
5/8"	1-1/16"	140 FT-LB
3/4"	1-5/16"	221 FT-LB

1. REFER TO BOX BOLT TECHNICAL DATA FOR MORE INFORMATION IF USING BOX BOLTS

07/08/2020

DEVELOPED BY
GROWSPAN
greenhouse structures
ENGINEERING SERVICES & PRODUCTS CO.
1440 18TH AVENUE SW
DYERSVILLE, IA 52040
P: 563.875.6113
F: 563.875.2317
WWW.ESAPCO.COM

ORDER #:
7578967

VECTOR Engineers
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DRAPER, UTAH 84020
PHONE (801) 990-1775
WWW.VECTORSE.COM

VSE Project Number: U1382-795-201

STRUCTURE SKU #:
G22012E04801S01

STRUCTURE SIZE:
20' X 48'

CUSTOMER INFORMATION:
FUTURE CONSTRUCTION COMPANY
TBD WORK SITE
SALT LAKE CITY, UT 84116-3352

SHEET TITLE:
GENERAL NOTES

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
BL	5/20/2020

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET:
B1

S100XS2020 IBC 2012 SEAL - SEISMIC (V1.0)

KEY:
EVAPORATIVE COOLING SYSTEM: ▪▪▪▪▪▪▪▪▪▪▪▪▪▪

NOTE: MAN DOOR LOCATIONS ARE APPROXIMATE AND CAN BE FIELD ADJUSTED AS NEEDED.

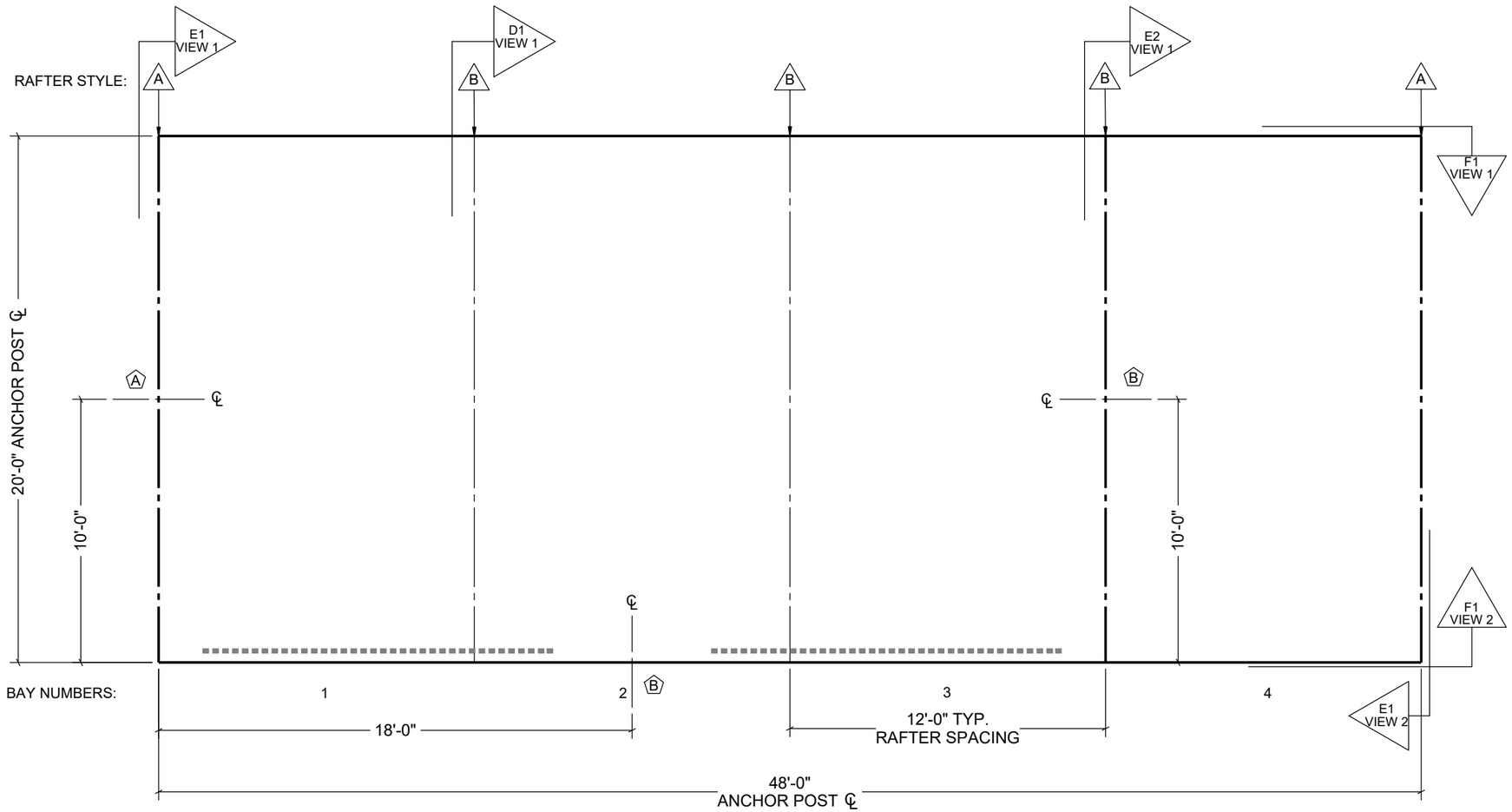
DOOR CALL-OUT	DOOR SIZE
A	6'-0" X 7'-0" DOUBLE DOOR
B	3'-0" X 7'-0" SINGLE DOOR

RAFTER STYLE LEGEND	
A	END RAFTER
B	MID RAFTER

LEFT SIDEWALL - SEE [F] SHEETS FOR ELEVATION VIEW

N

FRONT ENDWALL - SEE [E] SHEETS FOR ELEVATION VIEW



BACK ENDWALL - SEE [E] SHEETS FOR ELEVATION VIEW

RIGHT SIDEWALL - SEE [F] SHEETS FOR ELEVATION VIEW

PROFESSIONAL ENGINEER
No. 9875087-2202
ERIC SUMSION
STATE OF UTAH
07/08/2020

DEVELOPED BY
GROWspan greenhouse structures
ENGINEERING SERVICES & PRODUCTS CO.
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DYERSVILLE, IA 52040
P: 563.875.6113
F: 563.875.2317
WWW.ESAPCO.COM

ORDER #: **7578967**

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DRAPER, UTAH 84020
PHONE (801) 990-1775
WWW.VECTORSE.COM

VSE Project Number: U1382-795-201

CUSTOMER INFORMATION:
EURO CONSTRUCTION COMPANY
TOM WORTHINGTON
SALT LAKE CITY, UT 84116-3352

STRUCTURE SKU #: **G22012E04801S01**
STRUCTURE SIZE: **20' X 48'**
SHEET TITLE: **BUILDING PLAN VIEW**

DRAWING DETAILS	
DRAWN BY: BL	CREATION DATE: 5/20/2020

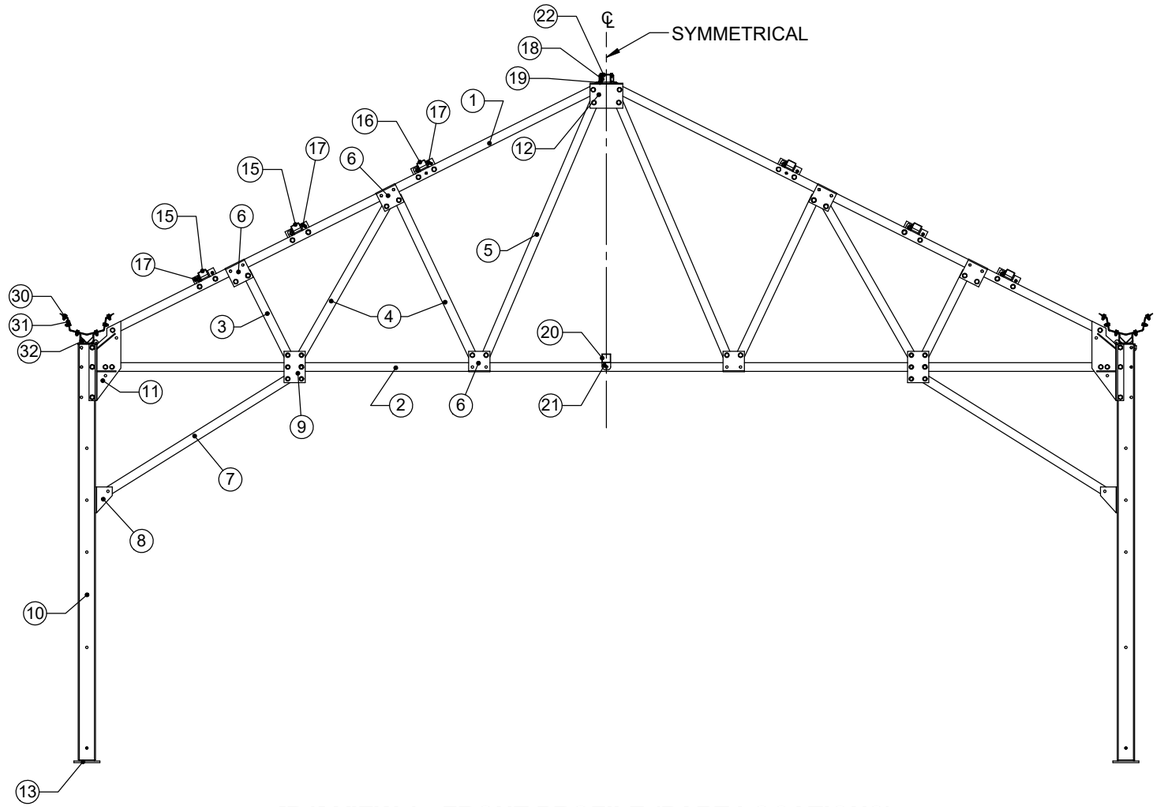
REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **C1**

NOTE: SEE SHEET [C1] FOR RAFTER STYLE LOCATIONS.



[D1] VIEW 1 - FRONT PROFILE (PART LOCATIONS)

HARDWARE SCHEDULE	
SKU	**DESCRIPTION**
108553	#10 X 3/4" WAFER HEAD SCREW
FA4482B	#14 X 1" TEK SCREW
107795	1/4" BOX BOLT
FAG102B	1/4" X 3/4" S.S. HEX BOLT
FAME16B	1/4" S.S. WASHER
FALB10B	1/4" S.S. HEX NUT
FAG330B	5/16" X 1" HEX BOLT
GS0047	5/16" GALV. RUBBER WASHER
FALB02B	5/16" HEX NUT
107797	3/8" BOX BOLT
108980	1/2" X 2 1/2" HEX BOLT (A325)
112722	1/2" X 3" HEX BOLT (A325)
GS0046	1/2" X 3 1/2" HEX BOLT (A325)
112524	1/2" X 4" HEX BOLT (A325)
106974	1/2" X 5" HEX BOLT (A325)
GS0051	1/2" X 5 1/2" HEX BOLT (A325)
106953	1/2" WASHER (STRUCTURAL)
106977	1/2" HEX NUT (STRUCTURAL)

ITEM	DESCRIPTION	MATERIAL	RAFTER A	RAFTER B
1	TOP CHORD	2" X 2" - 14 GA GALV. RECT. TUBE	PG20ATC22G14S02	SAME AS RAFTER A
2	BOTTOM CHORD / ENDWALL HEADER	2" X 2" & 2" X 4"- 11 & 14 GA GALV. RECT. TUBE	SEE [E] SHEETS	PG20ABC22G14S02
3	WEB1	2" X 2" - 14 GA GALV. RECT. TUBE	N/A	PGS2XSW22L02250
4	WEB2	2" X 2" - 14 GA GALV. RECT. TUBE	N/A	PGS2XSW22L04163
5	WEB3	2" X 2" - 14 GA GALV. RECT. TUBE	N/A	PGS2XSW22L06544
6	WEB CONN. BRACKET	12 GA GALV. STEEL PLATE	N/A	(2X) PGBRKADS04
7	BOTTOM CHORD STRUT / EW HEADER STRUT	2" X 2" - 14 GA GALV. RECT. TUBE	SEE [E] SHEETS	PGS2XSW22L06700
8	BOTTOM CHORD STRUT CONN. BRACKET1	3/16" & 12 GA GALV. STEEL PLATE	SEE [E] SHEETS	GHP0265BS12 / PGBRKBDS01
9	BOTTOM CHORD STRUT CONN. BRACKET2	12 GA GALV. STEEL PLATE	SEE [E] SHEETS	(2X) PGBRKADS02
10	ANCHOR POST	4" X 4" - 8 GA GALV. RECT. TUBE	PG4X4G08L144B60	SAME AS RAFTER A
11	CHORD TO ANCHOR POST CONN. BRACKET	STEEL PLATE, 3/16" THICK	PGBRKABS01 / PGBRKABS02	SAME AS RAFTER A
12	TOP CHORD PEAK CONN. BRACKET	12 GA GALV. STEEL PLATE	PGBRKAES01	SAME AS RAFTER A
13	EXTERIOR WALL BASE PLATE ASSEMBLY	STEEL PLATE, 3/8" THICK	110857L / 110857R	106762
14	INTERIOR WALL BASE PLATE ASSEMBLY	STEEL PLATE, 3/8" THICK	N/A	N/A
15	TOP CHORD LATERAL BRACE1	2" X 3" - 14 GA GALV. RECT. TUBE	PG2X3LB14L14100	SAME AS RAFTER A
16	TOP CHORD LATERAL BRACE2	2" X 4" - 11 GA GALV. RECT. TUBE	PG2X4LB11L14100	SAME AS RAFTER A
17	TC LATERAL BRACE CONN. BRACKET	12 GA GALV. STEEL PLATE	(2X) PGBRKAQS01	(4X) PGBRKAQS01
18	PEAK LATERAL BRACE	2" X 4" - 14 GA GALV. RECT. TUBE	PG2X4PB14L14175	SAME AS RAFTER A
19	PEAK LATERAL BRACE CONN. BRACKET	12 GA GALV. STEEL PLATE	GHP0265BS10 / GHP0265BS11	(2X) GHP0265BS10 / (2X) GHP0265BS11
20	BOTTOM CHORD LATERAL BRACE	2" X 2" - 14 GA GALV. RECT. TUBE	PG22LB14AL14375	SAME AS RAFTER A
21	BC LATERAL BRACE CONN. BRACKET	12 GA GALV. STEEL PLATE	111895S03	SAME AS RAFTER A

ITEM	DESCRIPTION	MATERIAL	RAFTERS A & B
22	RIDGE RAIL MOUNT BRACKET	12 GA GALV. STEEL PLATE	GS0003
23	SIDE HEADER	2" X 4" - 14 GA GALV. RECT. TUBE	SEE [F] SHEETS
24	SIDE HEADER CONN. BRACKET	STEEL PLATE, 3/16" THICK	(1X @ A; 2X @ B) PGBRKACS02
25	SIDE HEADER STRUT	2" X 2" ANGLE (12 GA GALV. STEEL PLATE)	SEE [F] SHEETS
26	ENDWALL / SIDEWALL GIRTS	HAT CHANNEL - 16 GA	SEE [E] & [F] SHEETS
27	CABLE ASSEMBLY	SEE SHEET [G7]	SEE SHEET [G7]
28	CABLE CONN. BRACKET	1/8", 12 GA STEEL PLATE	SEE [G] SHEETS
29	ENDWALL COLUMNS	4" X 4"- 13 GA GALV. RECT. TUBE	SEE [E] SHEETS
30	GUTTER	14 GA GALV. STEEL PLATE	111909
31	GUTTER SADDLE	14 GA GALV. STEEL PLATE	111908
32	GUTTER POST TOP	12 GA GALV. STEEL PLATE	GS0001

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No. 9875087-2202
ERIC SUMSION
STATE OF UTAH
07/08/2020

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VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G220012E04801S01**
STRUCTURE SIZE: **20' X 48'**
CUSTOMER INFORMATION: **FUTURE CONSTRUCTION COMPANY** 7700 N. NORTH TEMPLE SALT LAKE CITY, UT 84116-3352
SHEET TITLE: **FRONT PROFILE & MATERIAL SPECS**

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
BL	5/20/2020

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **D1**

NOTES:

ADDITIONAL FRAMING, IF REQUIRED, WILL BE CUT IN THE FIELD USING 2" X 4" RECTANGULAR TUBING AND [**115790**] INSERTS.

SEE DOOR KIT INSTRUCTIONS FOR ADDITIONAL INSTALLATION INFORMATION (IF APPLICABLE).

GIRTS / FRAMING MAY REQUIRE FIELD CUTTING TO FIT.

SEE SHEET [J1] FOR ENDWALL COLUMN REACTIONS.

ENDWALL COLUMNS:

C1 **PG4X4EC13L17200**

GIRT / DOOR FRAME:

GT **GRT2X2G16L144**

2X4 **R24P120** (2" X 4" X 14GA TUBE)

ENDWALL HEADER:

H1 **PG24EHA11L063S2**

H2 **PGH2X2G14L09950**

BRACKETS:

B1 **PGBRKBGS01** (2X PER LOCATION)

B2 **GHP0265BS12 / PGBRKBDS01**

COLUMN INSERTS:

T1 **PG4X4INSS01** (3.5"X3.5"X11GA TUBE / 3/16" PLATE)

T2 **106762** (3.5"X3.5"X11GA TUBE / 3/8" PLATE)

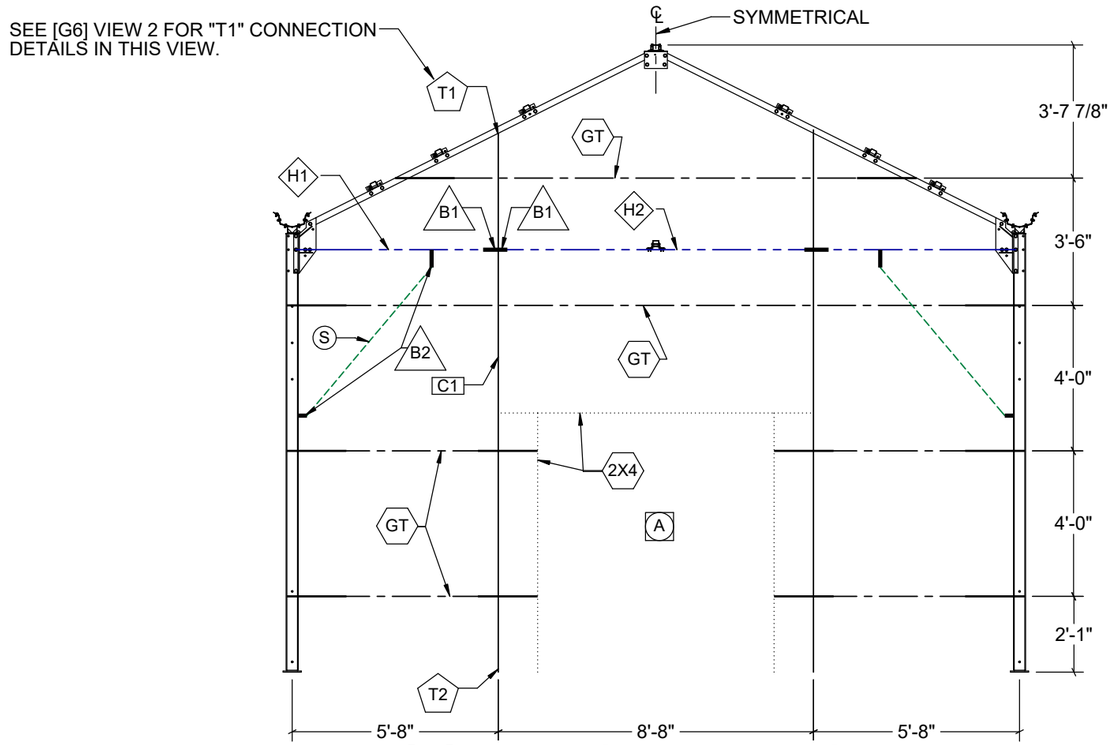
ENDWALL HEADER STRUT:

S **PGS2XSW22L06587**

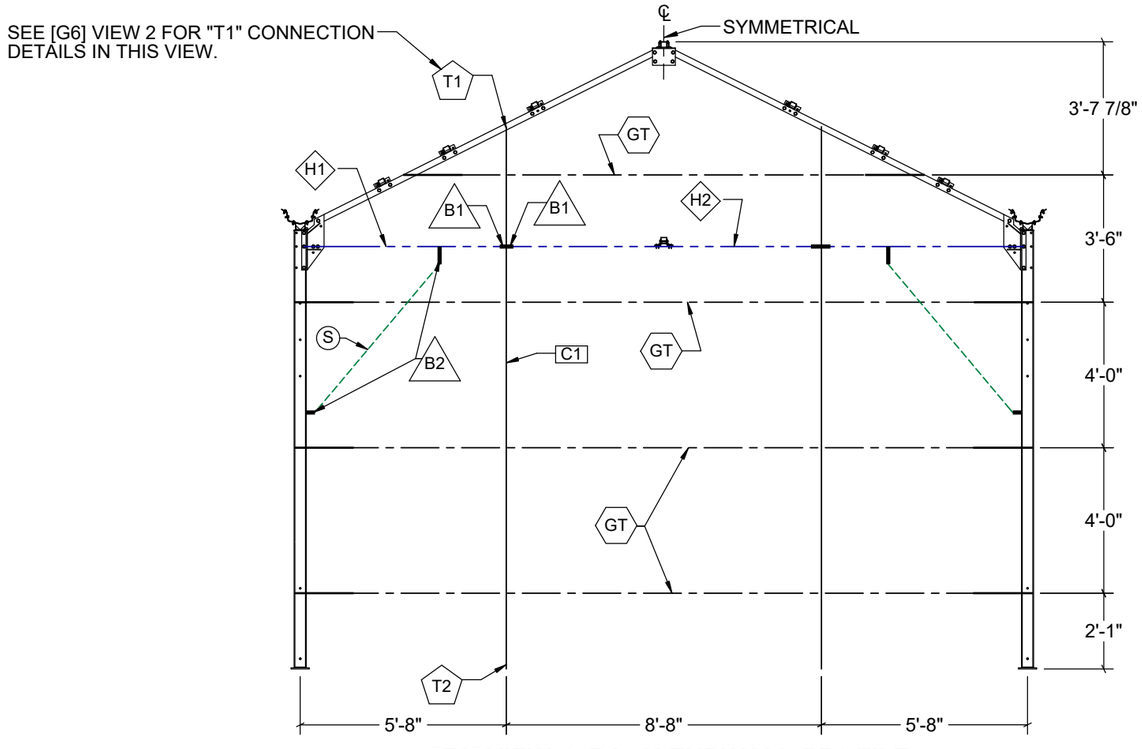
FRAME-OUT SCHEDULE		
CALL-OUT	DESCRIPTION	ROUGH OPENING
A	6'-0" X 7'-0" DOUBLE DOOR	VERIFY

LINE STYLES:

BRACKETS:
ENDWALL COLUMN:
ENDWALL HEADER:
GIRTS:
ENDWALL HEADER STRUT:
ENDWALL DOOR (IF APPLICABLE):



[E1] VIEW 1- FRONT ENDWALL PROFILE



[E1] VIEW 2- BACK ENDWALL PROFILE

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VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G220012E04801S01**

STRUCTURE SIZE: **20' X 48'**

CUSTOMER INFORMATION:
FIRST CONSTRUCTION COMPANY
700 W NORTH TEMPLE
SALT LAKE CITY, UT 84116-3352

SHEET TITLE: **ENDWALL PROFILES**

DRAWING DETAILS	
DRAWN BY: **BL**	CREATION DATE: **5/20/2020**

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **E1**

NOTES:

ADDITIONAL FRAMING, IF REQUIRED, WILL BE CUT IN THE FIELD USING 2" X 4" RECTANGULAR TUBING AND [**115790**] INSERTS.

SEE DOOR KIT INSTRUCTIONS FOR ADDITIONAL INSTALLATION INFORMATION (IF APPLICABLE).

GIRTS / FRAMING MAY REQUIRE FIELD CUTTING TO FIT.

SEE SHEET [J1] FOR INTERIOR PARTITION COLUMN REACTIONS.

INTERIOR PARTITION COLUMNS:

C2 **PG4X4EC13L13200**

GIRT / DOOR FRAME:

GT **GRT2X2G16L144**

2X4 **R24P120** (2" X 4" X 14GA TUBE)

G2 **GRT3X2G16L144**

COLUMN INSERTS:

T1 **PG4X4INSS01** (3.5"X3.5"X11GA TUBE / 3/16" PLATE)

T2 **106762** (3.5"X3.5"X11GA TUBE / 3/8" PLATE)

FRAME-OUT SCHEDULE		
CALL-OUT	DESCRIPTION	ROUGH OPENING
B	3'-0" X 7'-0" SINGLE DOOR	VERIFY

LINE STYLES:

BRACKETS:

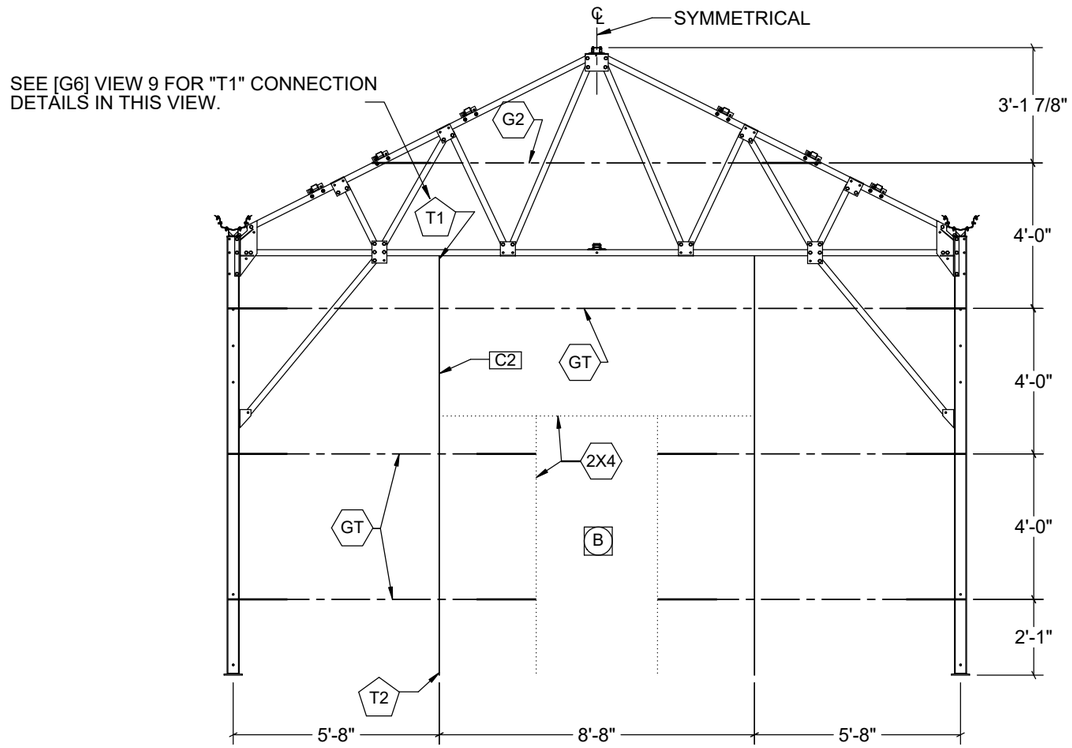
ENDWALL COLUMN:

ENDWALL HEADER:

GIRTS:

ENDWALL HEADER STRUT:

ENDWALL DOOR (IF APPLICABLE):



[E2] VIEW 1- INTERIOR PARTITION WALL PROFILE

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VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G22012E04801S01**

STRUCTURE SIZE: **20' X 48'**

CUSTOMER INFORMATION:
FIRST CONSTRUCTION COMPANY
706 W NORTH TEMPLE
SALT LAKE CITY, UT 84116-3352

SHEET TITLE: **INTERIOR PARTITION WALL PROFILES**

DRAWING DETAILS	
DRAWN BY: **BL**	CREATION DATE: **5/20/2020**

REVISIONS:

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NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **E2**

NOTE: REFER TO SHEETS [A1] / [D1] FOR FRONT PROFILE OF BRACE LOCATIONS & SHEET [C1] FOR PLAN VIEW OF DOOR LOCATIONS (IF APPLICABLE).

FRAME-OUT SCHEDULE

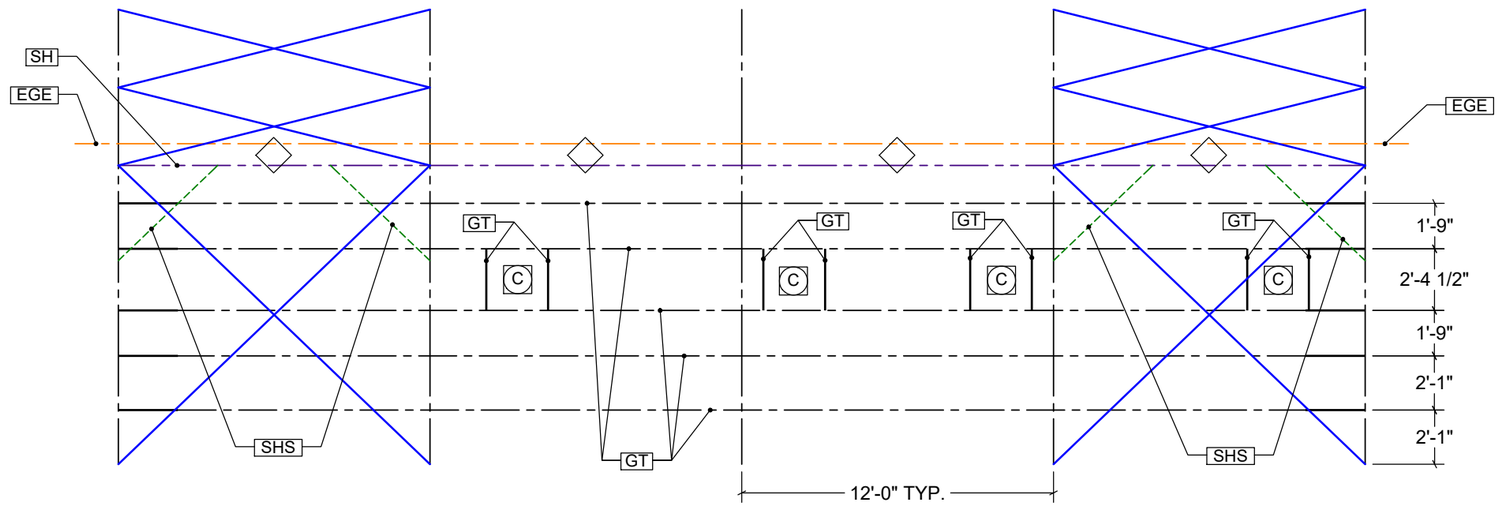
CALL-OUT	DESCRIPTION	ROUGH OPENING
B	3'-0" X 7'-0" SINGLE DOOR	VERIFY
C	2'-0" EXHAUST FAN	VERIFY
D	15'-0" X 3'-0" EVAP COOLER	VERIFY

LINE STYLES:
RAFTER:
SIDE HEADER:
GIRTS:
GUTTER:
SIDE HEADER STRUT:
SIDE DOOR (IF APPLICABLE):
CABLE ASSEMBLY:

=MID-BAY GUTTER SPLICE LOCATION - SEE SHEET [G3] FOR ASSEMBLY DETAIL (IF APPLICABLE).
=MID-BAY GUTTER SUPPORT LOCATION - SEE SHEET [G3] FOR ASSEMBLY DETAIL (IF APPLICABLE).

PART SYMBOL	DESCRIPTION	SKU	QTY. PER [F1] VIEW 1	QTY. PER [F1] VIEW 2
EGE	END GUTTER EXTENSION	**111912**	2X	2X
SH	TOP SIDE HEADER	**PG2X4SH14L13675**	4X	4X
SHS	SIDE HEADER STRUT	**AN22GLL06691S01**	4X	4X
GT	GIRT	**GRT2X2G16L144**	22X (5X RUNS OF 4X GT; 0.5 GT PER FAN)	26X (6X RUNS OF 4X GT; 1 GT PER EVAP COOLER)
2X4	DOOR FRAMING	**R24P144**	0X	3X

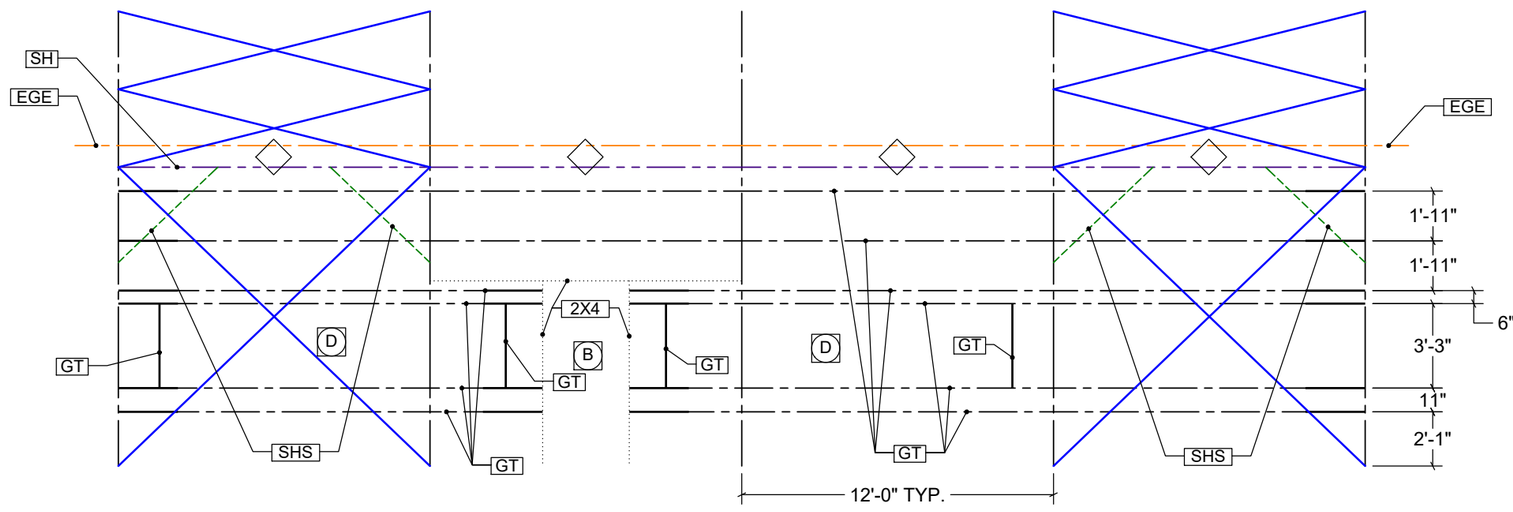
BACK OF STRUCTURE



FRONT OF STRUCTURE

[F1] VIEW 1 - LEFT SIDE OF STRUCTURE (EXTERIOR WALL)

FRONT OF STRUCTURE



BACK OF STRUCTURE

[F1] VIEW 2 - RIGHT SIDE OF STRUCTURE (EXTERIOR WALL)

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VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G22012E04801S01**
STRUCTURE SIZE: **20' X 48'**
CUSTOMER INFORMATION: **EUREKA CONSTRUCTION COMPANY**
TAYLOR CHRISTENSEN
SALT LAKE CITY, UT 84116-3352
SHEET TITLE: **SIDE PROFILES**

DRAWING DETAILS

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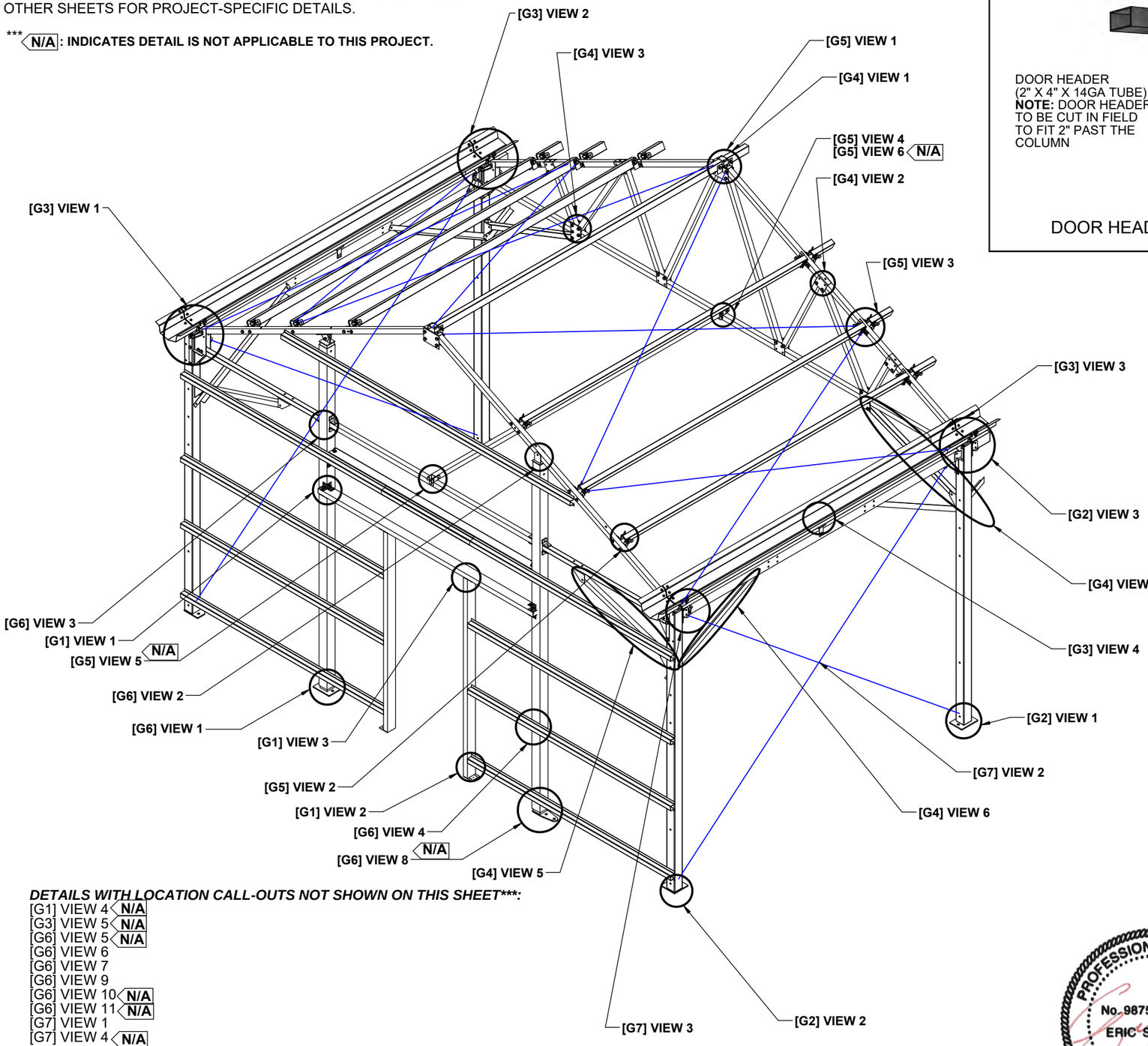
NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **F1**

NOTE: THIS VIEW IS GENERIC TO ILLUSTRATE DETAIL LOCATION CALL-OUTS ONLY. CABLE PATTERN AND/OR OTHER DETAILS MAY NOT FULLY MATCH THE SPECIFICS FOR THIS PROJECT. SEE OTHER SHEETS FOR PROJECT-SPECIFIC DETAILS.

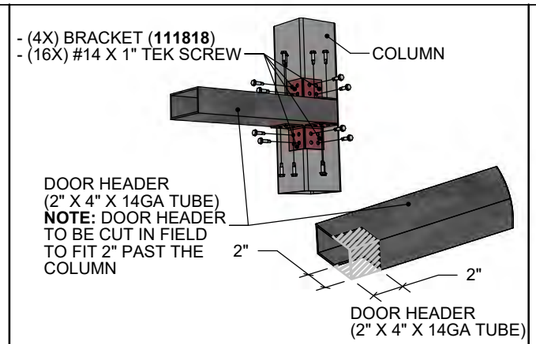
*** N/A : INDICATES DETAIL IS NOT APPLICABLE TO THIS PROJECT.

DETAIL LOCATION CALL-OUTS

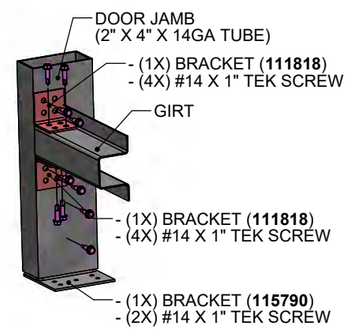


DETAILS WITH LOCATION CALL-OUTS NOT SHOWN ON THIS SHEET:***

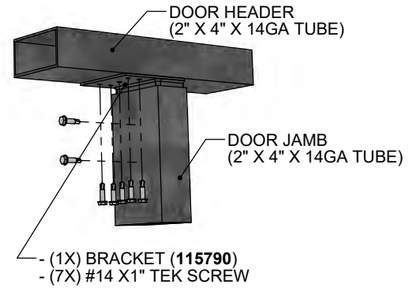
[G1] VIEW 4 N/A
[G3] VIEW 5 N/A
[G6] VIEW 5 N/A
[G6] VIEW 6
[G6] VIEW 7
[G6] VIEW 9
[G6] VIEW 10 N/A
[G6] VIEW 11 N/A
[G7] VIEW 1
[G7] VIEW 4 N/A



[G1] VIEW 1
DOOR HEADER TO COLUMN CONN.



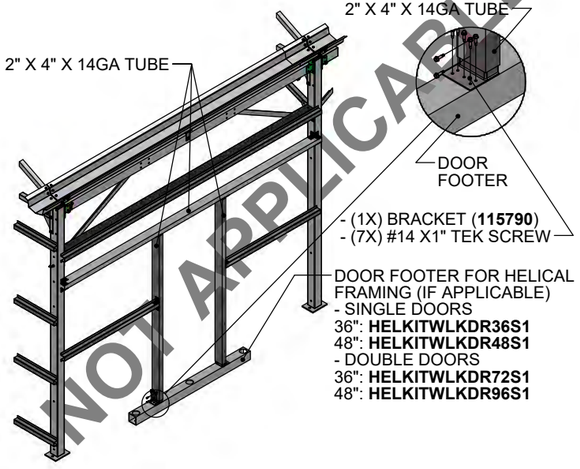
[G1] VIEW 2
DOOR JAMB BASE/GIRT CONN.



[G1] VIEW 3
DOOR JAMB TO HEADER CONN.

NOTE: VERIFY ROUGH OPENING PRIOR TO CUTTING DOOR FRAMING AND GIRTS.

NOTE: THIS VIEW IS GENERIC TO ILLUSTRATE MAN DOOR FRAMING CONNECTIONS. RAFTER LAYOUT AND / OR OTHER DETAILS MAY NOT FULLY MATCH THE SPECIFICS FOR THIS PROJECT. SEE OTHER SHEETS FOR PROJECT-SPECIFIC DETAILS.



[G1] VIEW 4
DOOR FOOTER FOR HELICAL FRAMING

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VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G22012E04801S01**
STRUCTURE SIZE: **20' X 48'**

CUSTOMER INFORMATION:
FURST CONSTRUCTION COMPANY
TOM MORTENSEN
SALT LAKE CITY, UT 84116-3352

SHEET TITLE:
DETAIL LOCATIONS & DOOR FRAMING DETAILS

DRAWING DETAILS

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BL	5/20/2020

REVISIONS:

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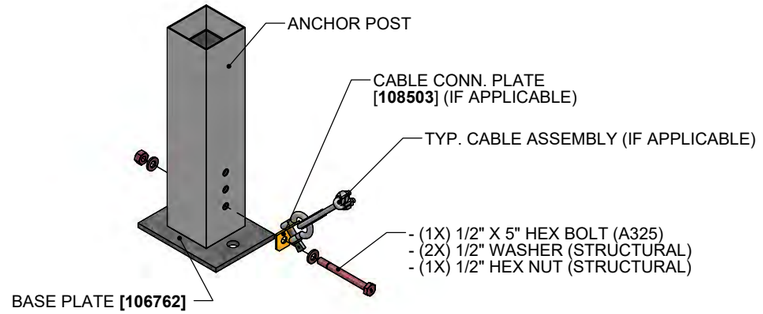
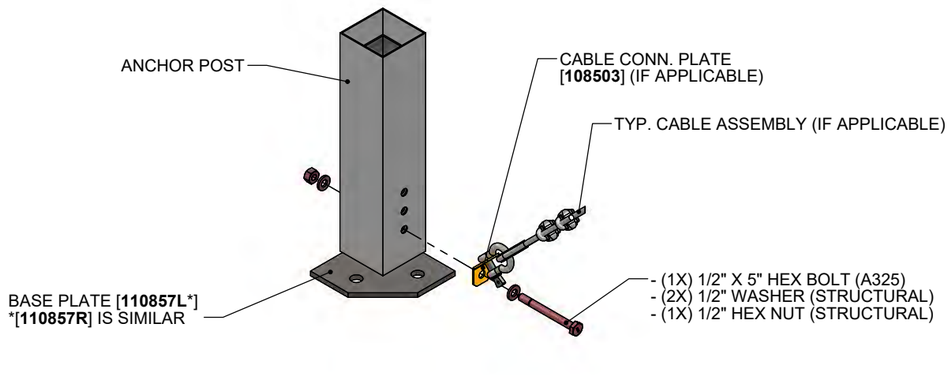
NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **G1**

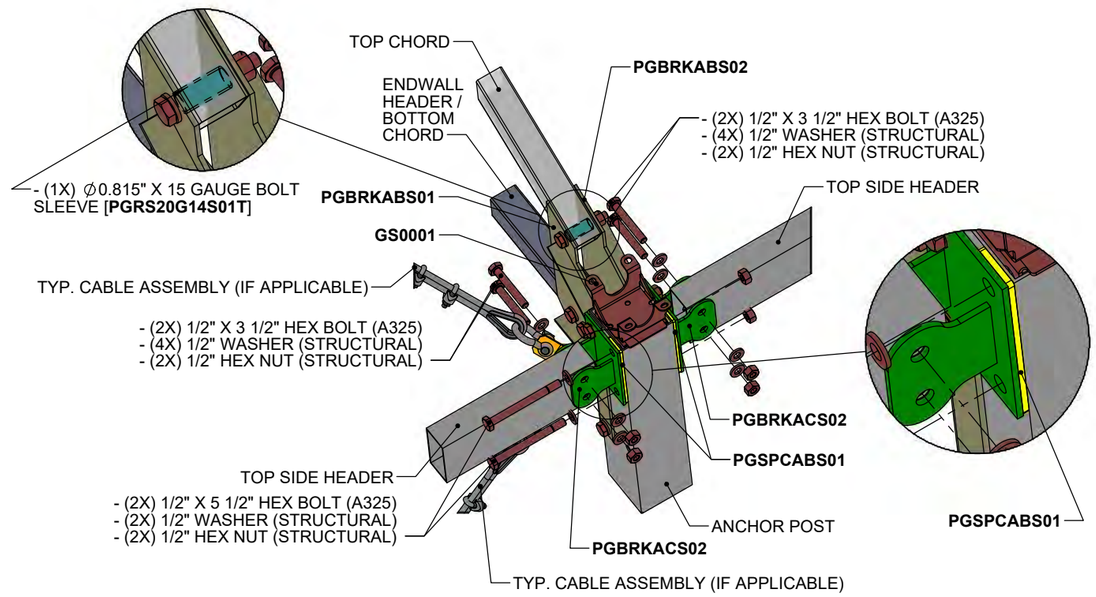


[G2] VIEW 1
ANCHOR POST BASE [**106762**] CONN.



[G2] VIEW 2
CORNER ANCHOR POST BASE [**110857L/R**] CONN.

NOTE: [PGSPCABS01] SHALL BE INSTALLED AT EXTERIOR WALLS ONLY.



[G2] VIEW 3
TOP SIDE HEADER TO ANCHOR POST CONN.

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VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G22012E04801S01**

STRUCTURE SIZE: **20' X 48'**

CUSTOMER INFORMATION:
FLEET CONSTRUCTION COMPANY
7100 W NORTH TEMPLE
SALT LAKE CITY, UT 84116-3352

SHEET TITLE: **ANCHOR POST CONNECTION DETAILS**

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
BL	5/20/2020

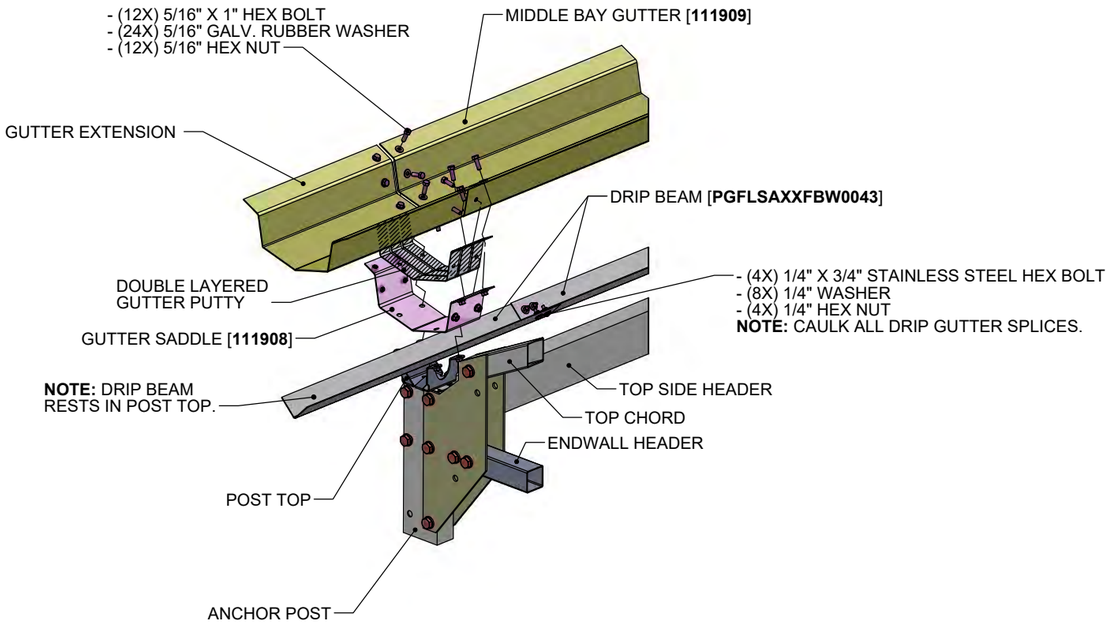
REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

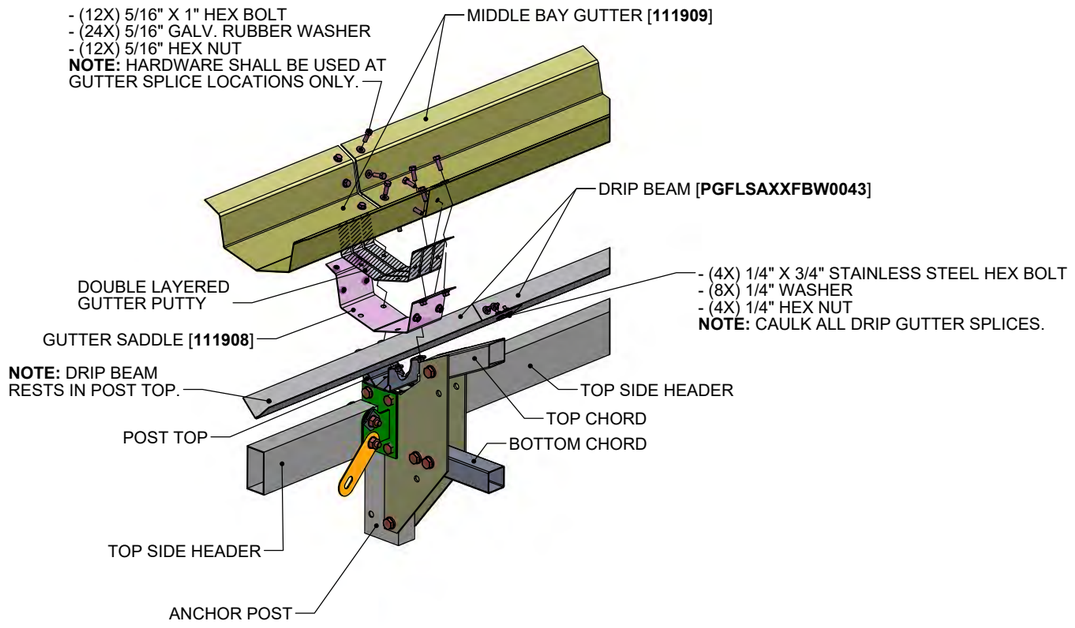
SHEET: **G2**

NOTE: SOME OF THE ASSEMBLED ITEMS SHOWN IN THIS VIEW MAY VARY SLIGHTLY IN SIZE OR CONN. DETAIL.

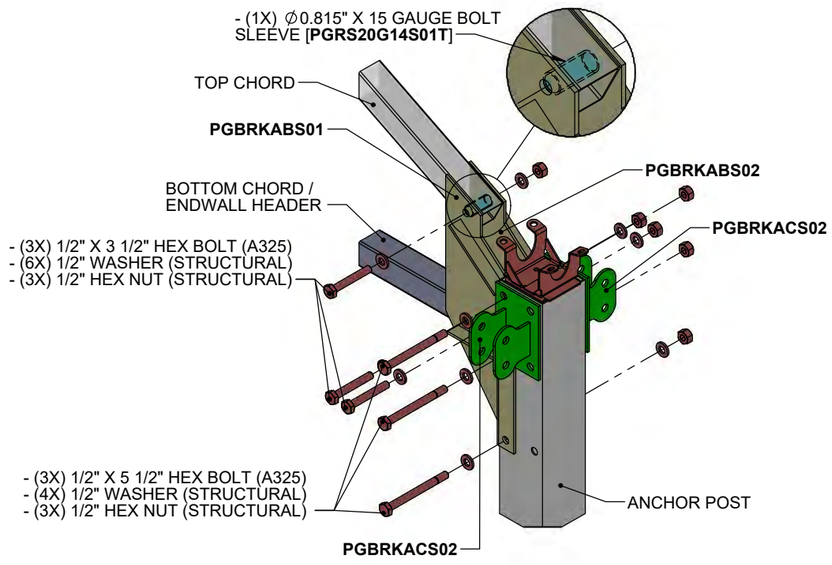


[G3] VIEW 1
GUTTER CONN. (END RAFTER)

NOTE: SOME OF THE ASSEMBLED ITEMS SHOWN IN THIS VIEW MAY VARY SLIGHTLY IN SIZE OR CONN. DETAIL.

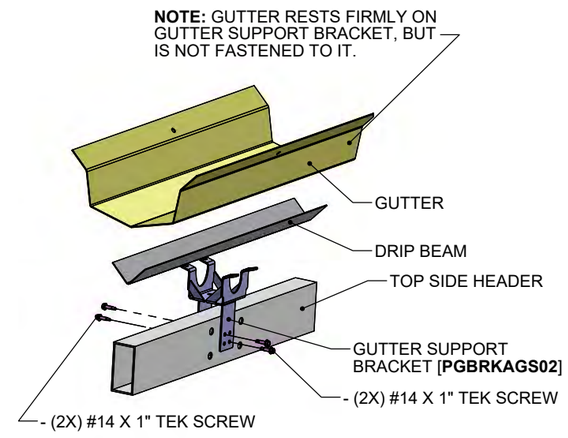


[G3] VIEW 2
GUTTER CONN. (MID RAFTER)

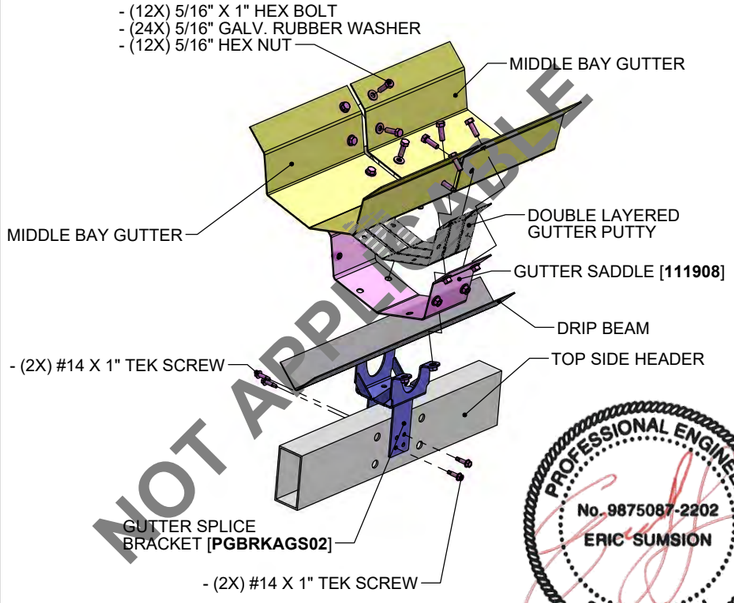


[G3] VIEW 3
RAFTER TO ANCHOR POST CONN.

NOTE: MID-BAY GUTTER SUPPORT BRACKETS (IF REQUIRED) SHALL BE INSTALLED ON TOP SIDE HEADER LOCATIONS AS SHOWN ON THE [F] SHEETS.



[G3] VIEW 4
MID-BAY GUTTER SUPPORT BRACKET CONN.



[G3] VIEW 5
MID-BAY GUTTER SPLICE BRACKET CONN.

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ERIC SUMSION
STATE OF UTAH
07/08/2020

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VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G22012E04801S01**
STRUCTURE SIZE: **20' X 48'**
SHEET TITLE: **GUTTER/RAFTER CHORD CONNECTION DETAILS**

CUSTOMER INFORMATION:
FIRST CONSTRUCTION COMPANY
700 WORTHINGTON
SALT LAKE CITY, UT 84116-3352

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
BL	5/20/2020

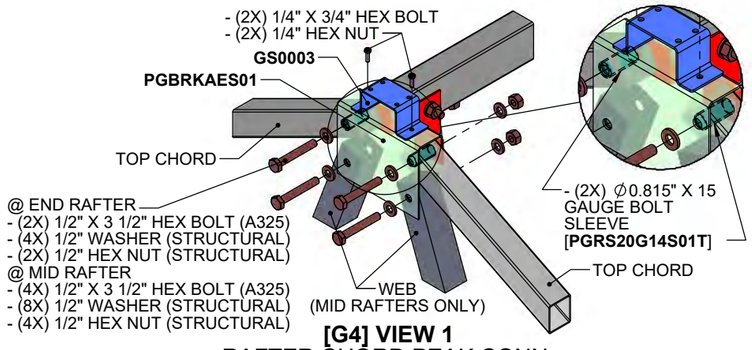
REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

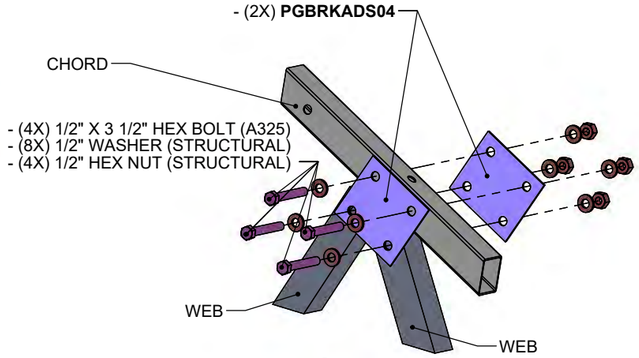
NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **G3**

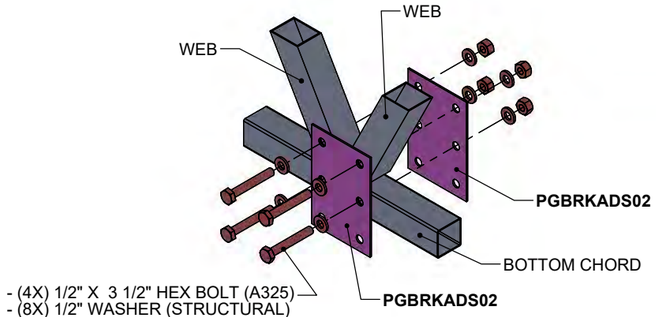
****NOTE:** LATERAL BRACE BRACKETS NOT SHOWN FOR CLARITY. SEE [G5] VIEW 1 FOR LATERAL BRACE BRACKET ASSEMBLY DETAILS.



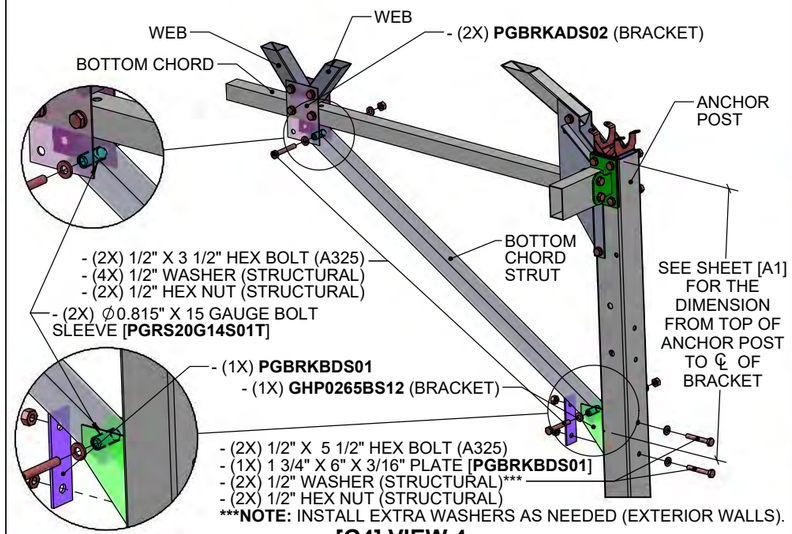
[G4] VIEW 1
RAFTER CHORD PEAK CONN.



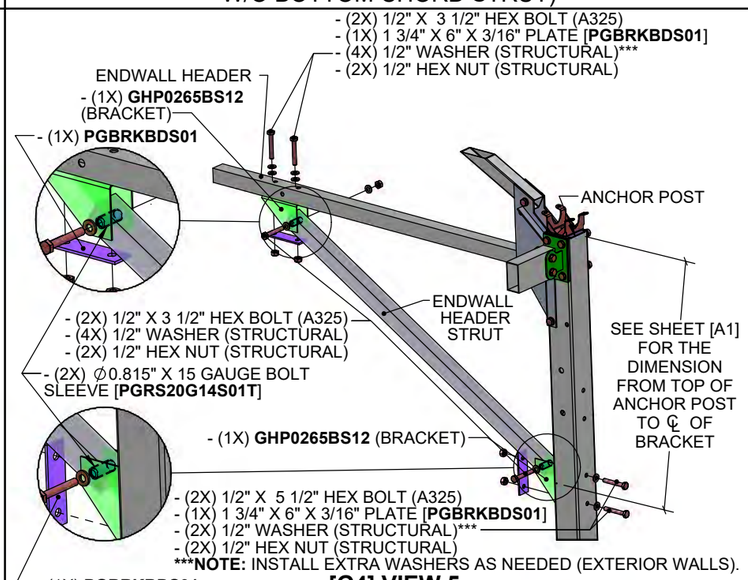
[G4] VIEW 2
WEB TO CHORD CONN. (LOCATIONS W/O BOTTOM CHORD STRUT)



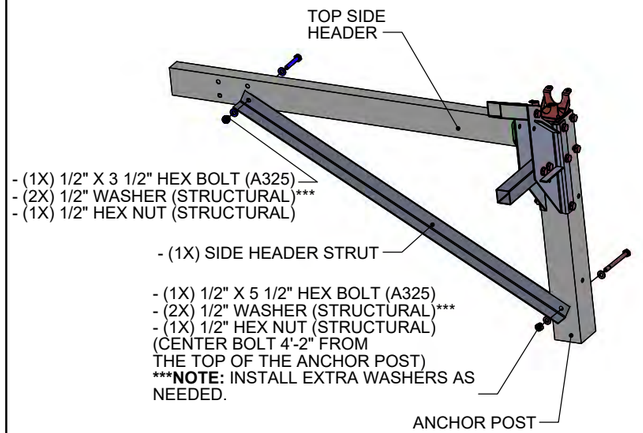
[G4] VIEW 3
WEB TO BOTTOM CHORD CONN. (LOCATIONS WITH BOTTOM CHORD STRUT)



[G4] VIEW 4
BOTTOM CHORD STRUT CONN.



[G4] VIEW 5
ENDWALL HEADER STRUT CONN.



[G4] VIEW 6
SIDE HEADER STRUT CONN.

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DRAPER, UTAH 84020
PHONE (801) 990-1775
WWW.VECTORSE.COM

VSE Project Number: U1382-795-201

STRUCTURE SKU #:
G22012E04801S01

STRUCTURE SIZE:
20' X 48'

CUSTOMER INFORMATION:
FIRST CONSTRUCTION COMPANY
700 NORTH 3RD STREET
SALT LAKE CITY, UT 84116-3352

SHEET TITLE:
CONNECTION DETAILS (RAFTERS)

PROFESSIONAL ENGINEER
No. 9875087-2202
ERIC SUMSION
STATE OF UTAH
07/08/2020

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
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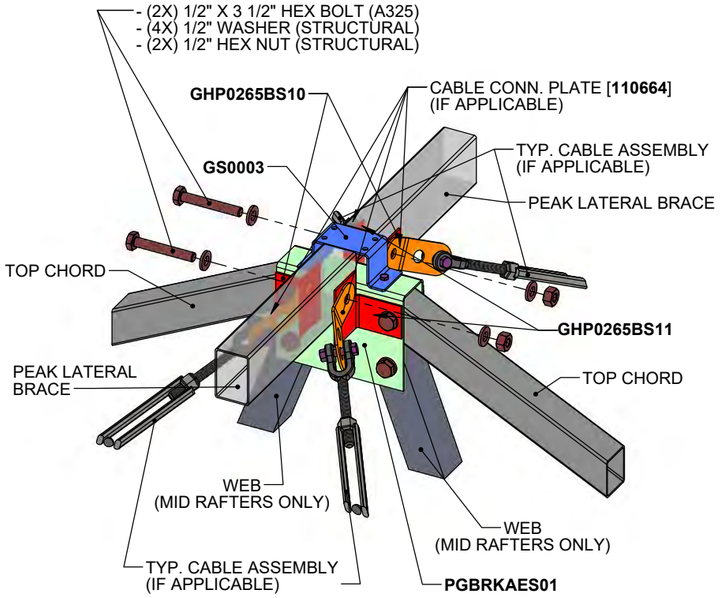
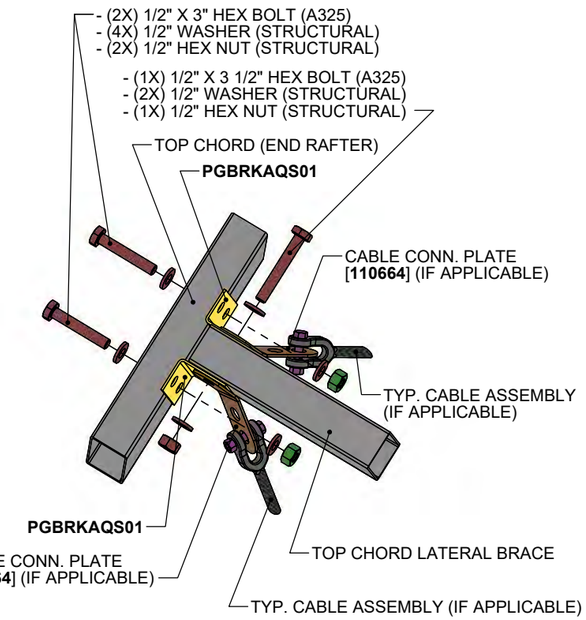
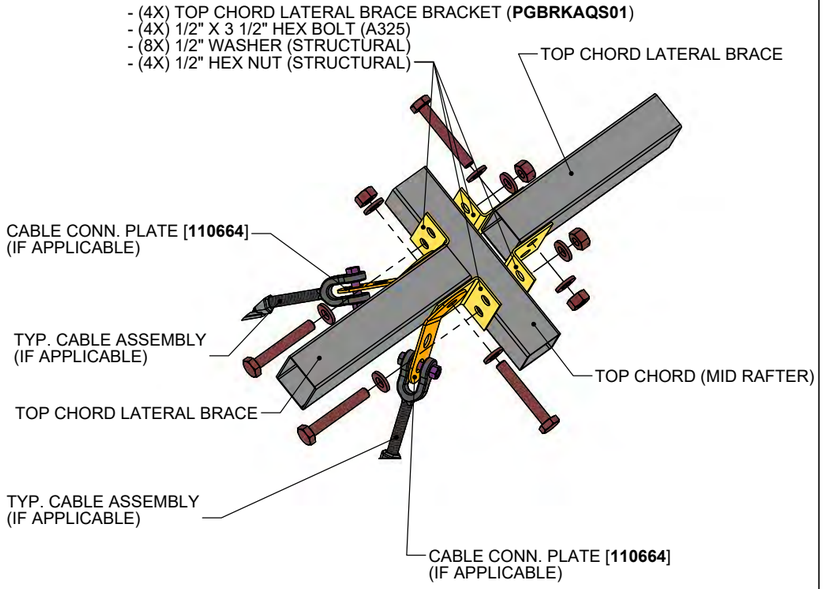
SHEET:
G4



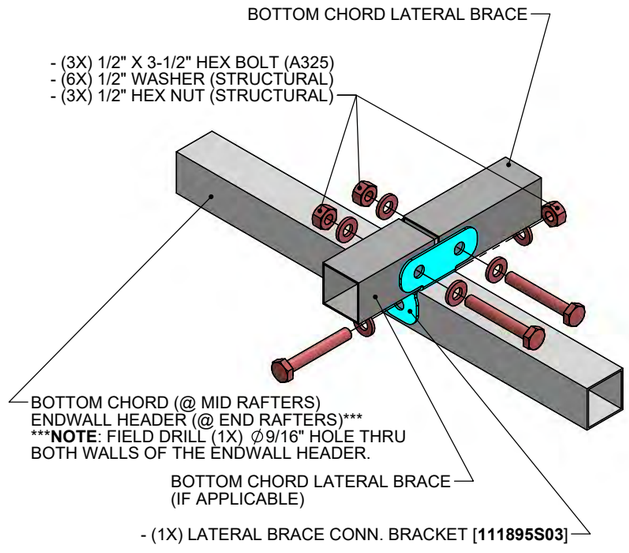
[G5] VIEW 1
PEAK LATERAL BRACE CONN.



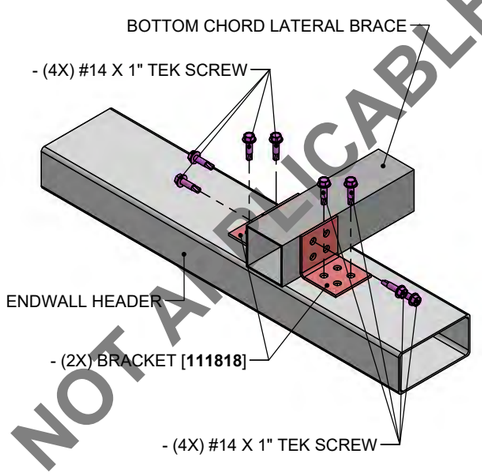
[G5] VIEW 2
TOP CHORD LATERAL BRACE (END CONN.)



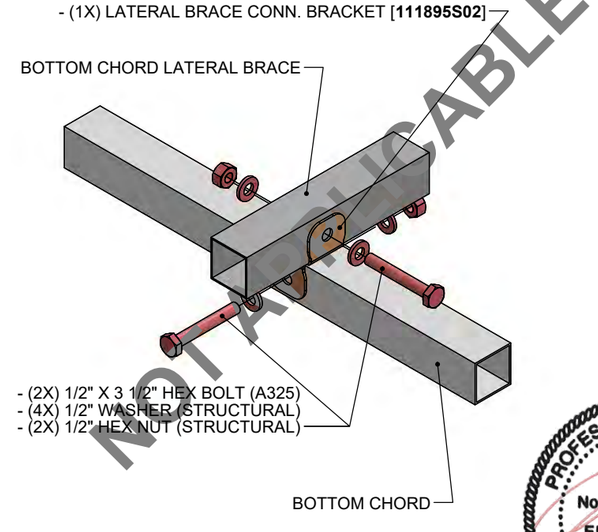
[G5] VIEW 3
TOP CHORD LATERAL BRACE (MID CONN.)



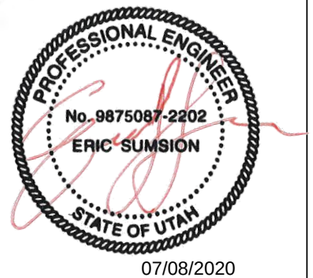
[G5] VIEW 4
BOTTOM CHORD LATERAL BRACE CONN. (END / SPLICE)



[G5] VIEW 5
BOTTOM CHORD LATERAL BRACE CONN. (END)



[G5] VIEW 6
BOTTOM CHORD LATERAL BRACE CONN. (MID)



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VSE Project Number: U1382-795-201

CUSTOMER INFORMATION:
FUTURE CONSTRUCTION COMPANY
7100 NORTH HIGHWAY
SALT LAKE CITY, UT 84116-3352

STRUCTURE SKU #: **G220112E04801S01**

STRUCTURE SIZE: **20' X 48'**

SHEET TITLE: **LATERAL BRACE CONNECTION DETAILS**

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
BL	5/20/2020

REVISIONS:

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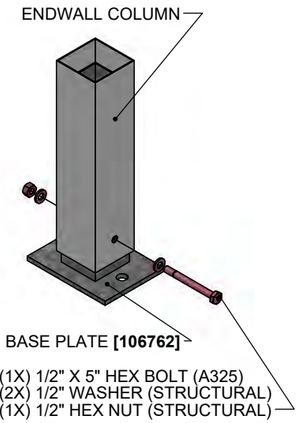
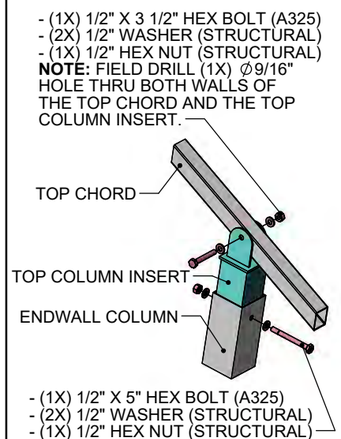
SHEET: **G5**

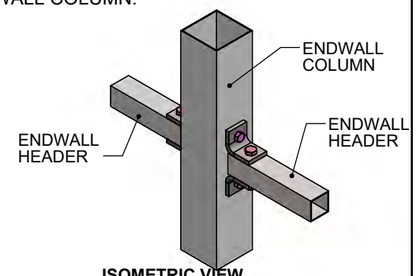


[G6] VIEW 1
ENDWALL COLUMN BASE INSERT [**106762**] CONN.

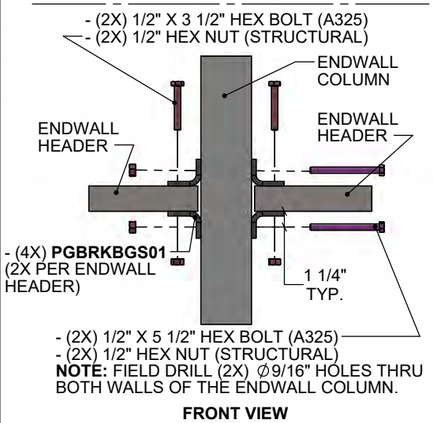


[G6] VIEW 2
ENDWALL COLUMN TOP INSERT CONN.

NOTE: CENTER [**PGBRKBGS01**] ON ENDWALL COLUMN.



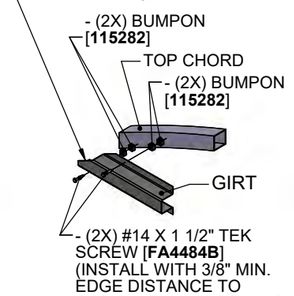
ISOMETRIC VIEW



FRONT VIEW

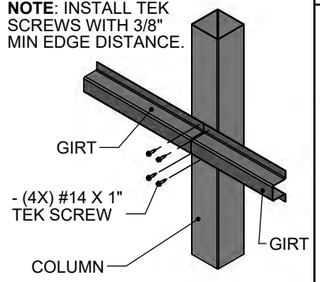
[G6] VIEW 3
ENDWALL HEADER CONN.

NOTE: GIRT SHALL BE TRIMMED AS NEEDED TO AVOID CLADDING INTERFERENCE.



GIRT TO TOP CHORD

NOTE: INSTALL TEK SCREWS WITH 3/8" MIN EDGE DISTANCE.

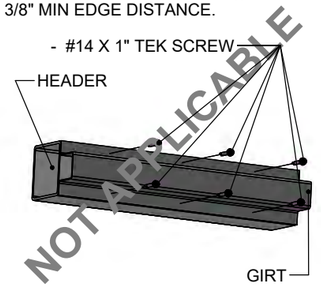


GIRT TO COLUMN

[G6] VIEW 4
GIRT TO COLUMN / GIRT TO TOP CHORD CONN.

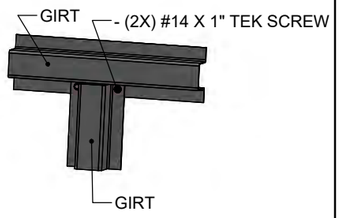
NOTE: TEK SCREW SPACING SHALL BE 12" O.C. (TYP.)

NOTE: INSTALL TEK SCREWS WITH 3/8" MIN EDGE DISTANCE.

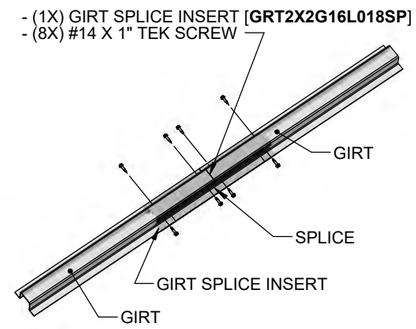


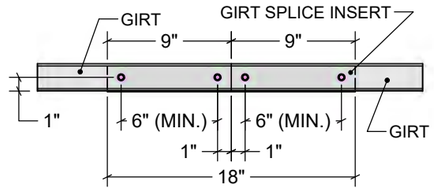
[G6] VIEW 5
GIRT TO HEADER CONN.

NOTE: INSTALL TEK SCREWS WITH 3/8" MIN EDGE DISTANCE.



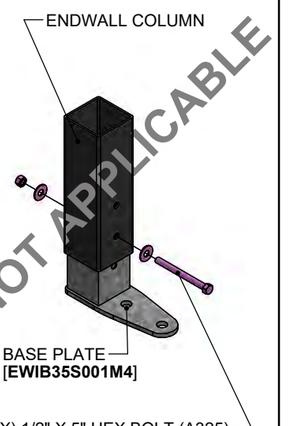
[G6] VIEW 6
VERTICAL GIRT TO GIRT CONN.



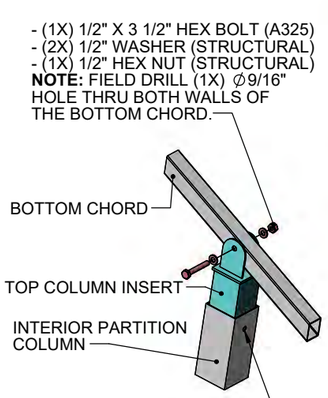


NOTE: THE SPLICE INSERT [**GRT2X2G16L018SP**] SHALL BE TIGHTLY EMBEDDED 9" INTO EACH HAT CHANNEL.

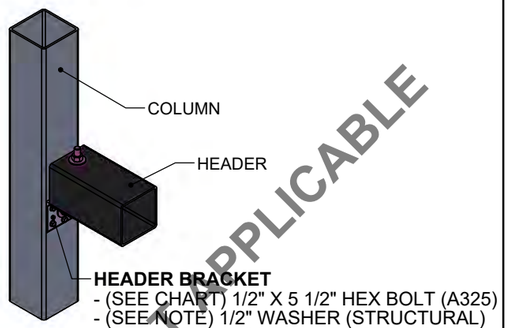
[G6] VIEW 7
GIRT SPLICE CONN.



[G6] VIEW 8
ENDWALL COLUMN BASE INSERT [**EWIB35S001M4**] CONN.



[G6] VIEW 9
INTERIOR PARTITION COLUMN TOP INSERT CONN.



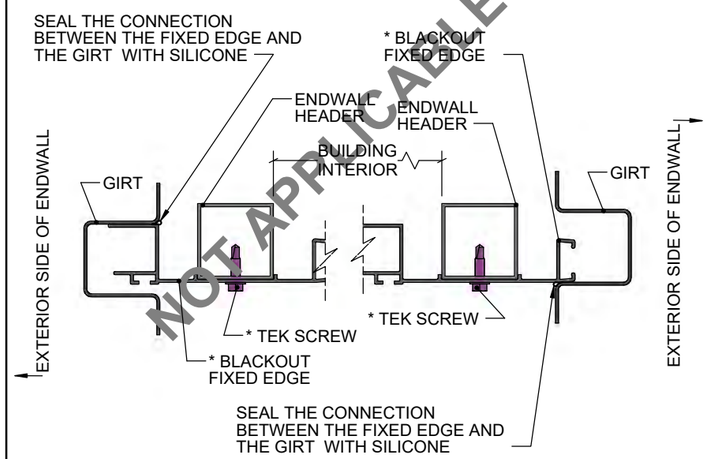
NOTE: EVERY BOLT WILL GET (2) WASHERS AND (1) HEX NUT. SEE CHART FOR # OF BOLTS.

BRACKET SKU	# OF BOLTS	# OF TEK SCREWS
EWHB1P	2	4
EWHB2P	4	8

[G6] VIEW 10
4"X4" HEADER BRACKET DETAIL

***NOTE**: SEE [N] SHEETS FOR BLACKOUT FIXED EDGE CONNECTION DETAILS

NOTE: CLADDING, ENDWALL COLUMNS AND OTHER ENDWALL HARDWARE ARE NOT SHOWN ON THIS DETAIL FOR CLARITY.



NOTE: INSTALL TEK SCREWS WITH 3/8" MIN EDGE DISTANCE.

[G6] VIEW 11
ENDWALL FIXED EDGE TO GIRT CONN. (IF APPLICABLE)

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VSE Project Number: U1382-795-201

STRUCTURE SKU #:
G220120E04801S01

STRUCTURE SIZE:
20' X 48'

CUSTOMER INFORMATION:
LEGACY CONSTRUCTION COMPANY
730 W NORTH TEMPLE
SALT LAKE CITY, UT 84116-3352

SHEET TITLE:
CONNECTION DETAILS (ENDWALL)

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
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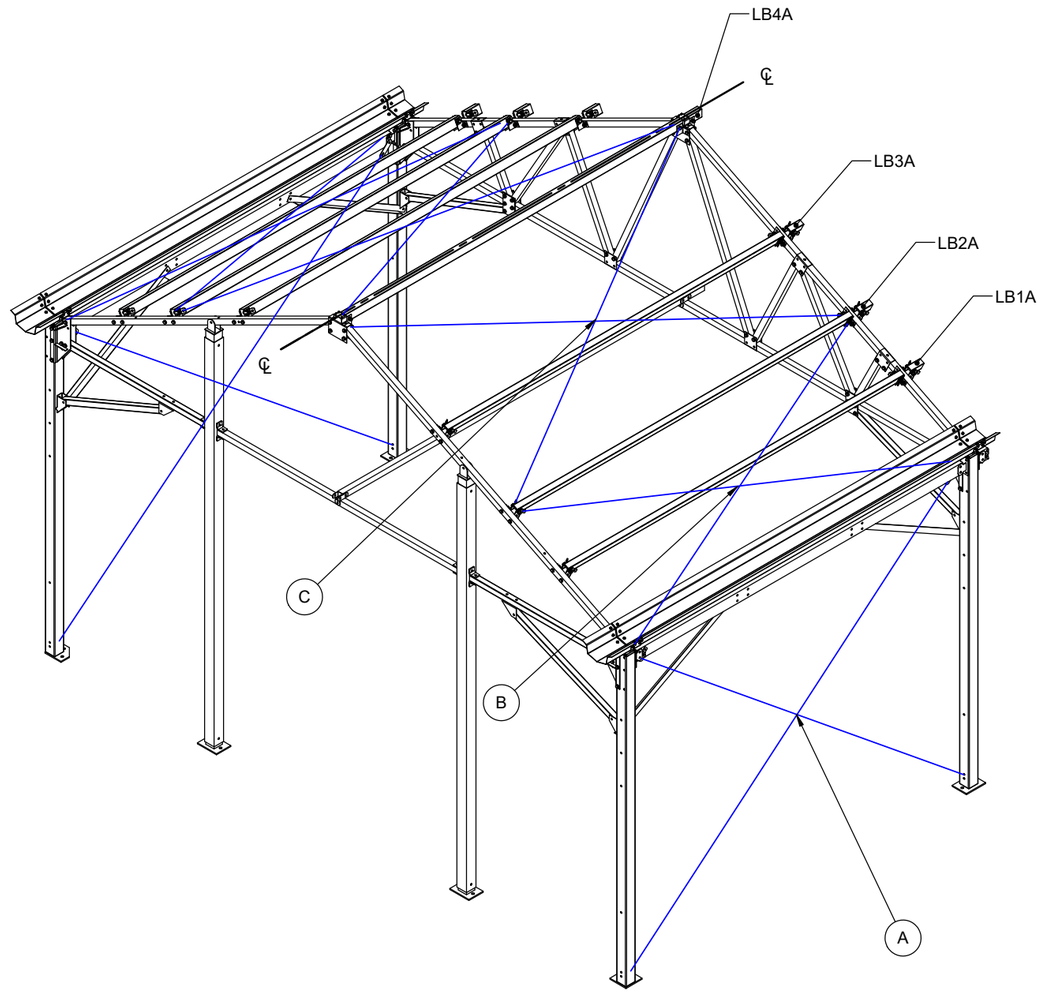
NOT TO SCALE | SHEET SIZE: 11X17

SHEET:
G6

NOTES:

- RAFTER VIEW SHOWN REPRESENTS TYPICAL CABLE SPAN LABELS TO ILLUSTRATE LOCATIONS OF SPANS IN THE TABLE. THE CABLE PATTERN SHOWN MAY NOT FULLY MATCH THE SPECIFICS FOR THIS PROJECT.
- CABLE PATTERN REPEATS ON OPPOSITE SIDE OF ℄ UNLESS NOTED OTHERWISE.
- REFER TO OTHER 'G' SHEETS FOR ADDITIONAL CABLE CONN. DETAILS.
- REFER TO THE [F] SHEETS FOR SIDE VIEW OF CABLE PATTERN.

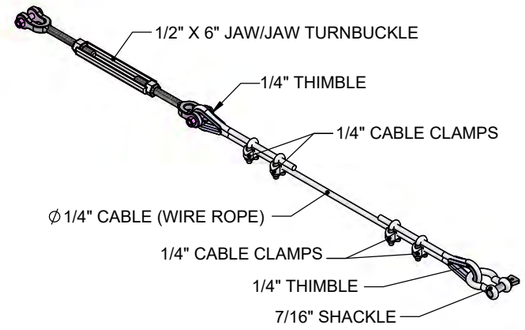


[G7] VIEW 1 - CABLE REQUIREMENTS PER SPAN

CABLE INSTALLATION REQUIREMENTS			
BAY NUMBER*	**SPAN 'A'**	**SPAN 'B'** (SIDE HEADER CONN. BRACKET TO LB2A)	**SPAN 'C'** (LB2A TO LB4A)
1 & 4	CABLE REQUIRED	CABLE REQUIRED	CABLE REQUIRED
2 - 3	N/A	N/A	N/A

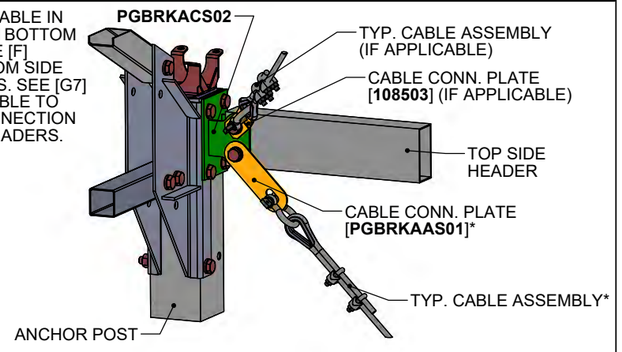
*REFER TO SHEET [C1] FOR BAY NUMBERING.

****NOTE:** INSTALL U-BOLT SECTION OF THE CLAMP ON THE "DEAD" OR SHORT END OF ROPE, AND THE SADDLE ON THE "LIVE" OR LONG END OF ROPE.

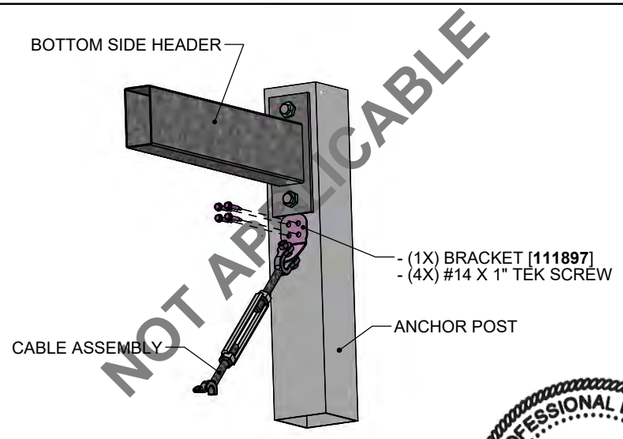


[G7] VIEW 2
CABLE ASSEMBLY

***NOTE:** NOT APPLICABLE IN CABLED BAYS WITH BOTTOM SIDE HEADERS. SEE [F] SHEETS FOR BOTTOM SIDE HEADER LOCATIONS. SEE [G7] VIEW 4 FOR THE CABLE TO ANCHOR POST CONNECTION @ BOTTOM SIDE HEADERS.



[G7] VIEW 3
TOP SIDE HEADER CABLE PLATE CONN.



NOT APPLICABLE

[G7] VIEW 4
CABLE TO ANCHOR POST CONN.
@ BOTTOM SIDE HEADER

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VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G22012E04801S01**
STRUCTURE SIZE: **20' X 48'**
CUSTOMER INFORMATION: **FURST CONSTRUCTION COMPANY** TOM WORTHINGTON SALT LAKE CITY, UT 84116-3352
SHEET TITLE: **CABLE LAYOUT & DETAILS**

DRAWING DETAILS	
DRAWN BY: **BL**	CREATION DATE: **5/20/2020**

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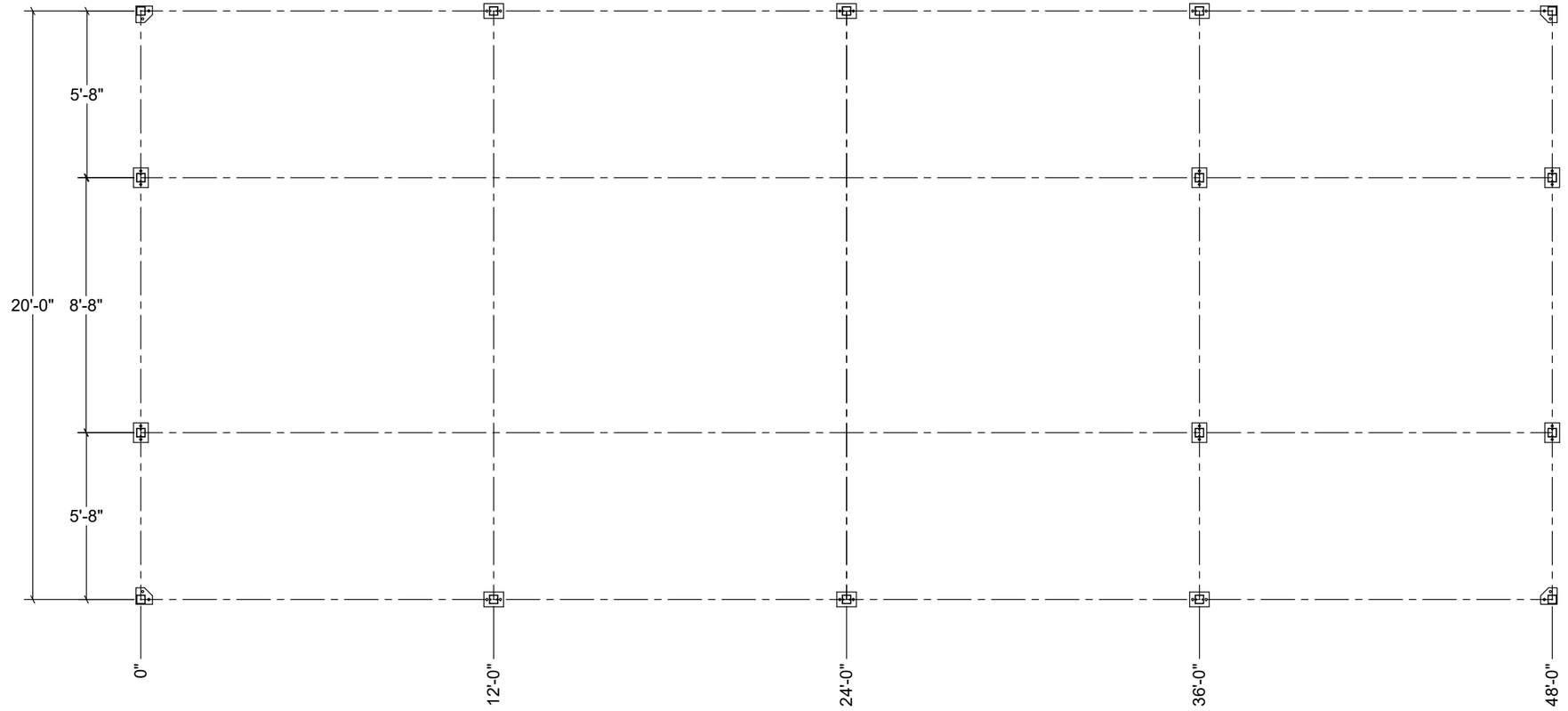
NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **G7**

NOTE: DIMENSIONS ARE FROM CENTER OF COLUMN TO CENTER OF COLUMN.

LEFT SIDE OF STRUCTURE

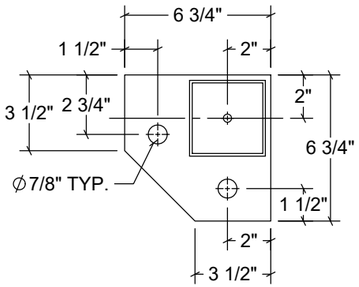
FRONT OF STRUCTURE



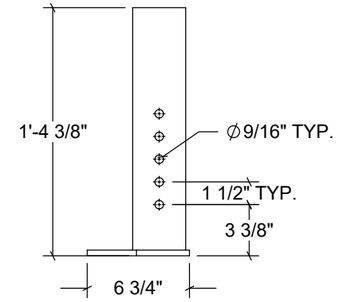
BACK OF STRUCTURE

RIGHT SIDE OF STRUCTURE

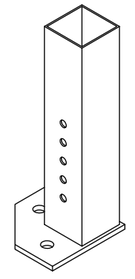
COLUMN CENTERS:



TOP VIEW

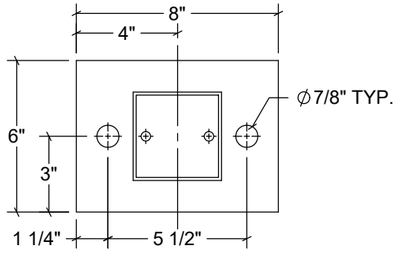


PROFILE VIEW

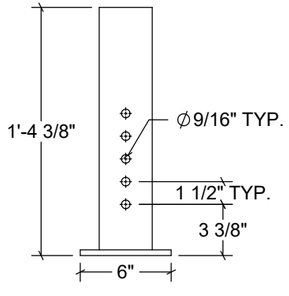


ISOMETRIC VIEW

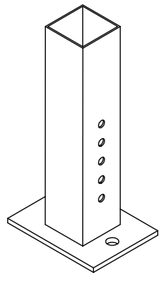
110857L DETAILS*
(*110857R IS SIMILAR)



TOP VIEW

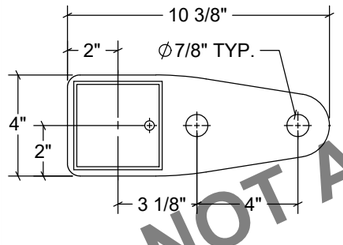


PROFILE VIEW

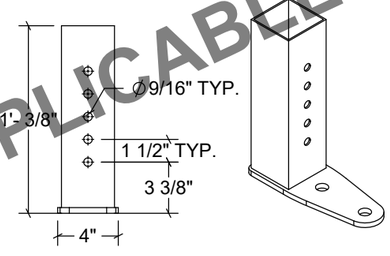


ISOMETRIC VIEW

106762 DETAILS



TOP VIEW



PROFILE VIEW

ISOMETRIC VIEW

EWIB35S001M4 DETAILS

NOT APPLICABLE

PROFESSIONAL ENGINEER
No. 9875087-2202
ERIC SUMSION
STATE OF UTAH

07/08/2020

DEVELOPED BY

GROWspan greenhouse structures

ENGINEERING SERVICES & PRODUCTS CO.
1440 18TH AVENUE SW
DYERSVILLE, IA 52040
P: 563.875.6113
F: 563.875.2317
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VECTOR Engineers
651 W. GALENA PARK BLVD. STE. 101
DRAPER, UTAH 84020
PHONE (801) 990-1775
WWW.VECTORSE.COM

VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G220I2E04801S01**

STRUCTURE SIZE: **20' X 48'**

CUSTOMER INFORMATION:
LEWIS CONSTRUCTION COMPANY
7100 WORTHINGTON
SALT LAKE CITY, UT 84116-3352

SHEET TITLE: **BASE PLATE LAYOUT & DETAILS**

DRAWING DETAILS	
DRAWN BY: BL	CREATION DATE: 5/20/2020

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **H1**

FOUNDATION NOTES:

- GROWSPAN DOES NOT PROVIDE ANY MATERIAL OR DESIGN CRITERIA FOR THE CREATION OF THE FOUNDATION OR ANCHORING OF THIS BUILDING, UNLESS OTHERWISE NOTED.
- FOUNDATION AND ANCHORING SHALL BE ENGINEERED AND APPROVED BY A LICENSED STRUCTURAL ENGINEER OF OWNER'S CHOICE.
- FOUNDATION AND ANCHORING MUST MEET THE BUILDING REACTION DATA SHOWN BELOW.

ANCHOR POST REACTION DATA

CONTROLLING ASD REACTIONS TO CONSIDER AT TYPICAL ANCHOR POST BASES	
MAXIMUM GRAVITY (KIPS)	3.7
MAXIMUM NET UPLIFT (KIPS)	1.3
MAXIMUM HORIZONTAL (KIPS)	1.4

ENDWALL COLUMN & INTERIOR PARTITION COLUMN REACTION DATA

CONTROLLING ASD REACTIONS TO CONSIDER AT TYPICAL ENDWALL COLUMN BASES & INTERIOR PARTITION COLUMN BASES	
MAXIMUM GRAVITY (KIPS)	2.2
MAXIMUM NET UPLIFT (KIPS)	1.4
MAXIMUM HORIZONTAL (KIPS)	0.8

PROFESSIONAL ENGINEER
No. 9875087-2202
ERIC SUMSION
STATE OF UTAH

07/08/2020

DEVELOPED BY
GROWSPAN
greenhouse structures
ENGINEERING SERVICES & PRODUCTS CO.
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DYERSVILLE, IA 52040
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VECTOR ENGINEERS
651 W. GALENA PARK BLVD. STE. 101
DRAPER, UTAH 84020
PHONE (801) 990-1775
WWW.VECTORSE.COM

VSE Project Number: U1382-795-201

STRUCTURE SKU #: **G220112E04801S01**

STRUCTURE SIZE: **20' X 48'**

CUSTOMER INFORMATION:
FEUST CONSTRUCTION COMPANY
7100 NORTH TERRACE
SALT LAKE CITY, UT 84116-3352

SHEET TITLE: **BUILDING REACTION DATA**

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
BL	5/20/2020

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **J1**


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