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GENERAL

1. DESIGN STANDARDS

The following standards are used in addition to the governing code which is noted on the Title Sheet of this drawing set. All referenced standards refer to the most recent revision unless noted otherwise.

AISC—Steel—Construction—Manual—13th Edition
Hollow Structural Sections, Connections and Trusses
North American Specification for the Design of Cold-Formed Steel Structural Members
CSA S16-09, Limit States design of Steel Structures
CSA S136-07, Cold Formed Steel Structural Members
ULC S109, Flame Tests of Flame Resistant Fabrics and Films

2. MANUFACTURING STANDARDS

- a. Fabrication in accordance with CSA S16 and CSA S136 (as applicable).
- b. Welding in accordance with CSA W59 and CSA S136 (as applicable).
- c. Calhoun Super Structures is certified in accordance with CSA W47.1 Division 2
- d. All Welders have been qualified in accordance with CSA W47.1
- e. These drawings have been prepared by the EOS primarily to safeguard against major structural damage and loss of life, not to limit damage or maintain function as per requirements of the current accepted building code as listed in the basis for design.
- f. Professional standards of care normally exercised under similar circumstances by reputable engineers in this area or similar localities have been used or exceeded in these drawings.
- g. Design of non-structural elements, (such as stairs, railings, non-load bearing walls, veneers, curtain walls, etc) and their attachments, are not included and must be provided by others unless specifically noted on these drawings.
- h. Design of prefabricated structural products, (such as wood trusses, steel joists, or concrete pre-cast elements, etc) is not included, and must be provided by others unless specifically noted on these drawings.
- i. Specification references, (such as ASTM, AISI, AWS, CCI, CISC, CSA, CWB etc) shall be the latest accepted version where noted on these drawings.

CONSTRUCTION

- a. An experienced licensed contractor with a working knowledge of applicable codes and industry accepted standard practices shall perform the work depicted in these drawings.
- b. All work shall conform to the minimum standards of the current accepted building code found in the basis for design and other codes, industry specific specifications, and standards listed herein. The contractor shall comply with requirements of all regulatory agencies with authority over any portion of the work. Work not explicitly shown on these drawings shall conform to all applicable codes and accepted standard practices.
- c. The contractor shall verify all dimensions, elevations, and conditions on these drawings with all other relevant construction discipline drawings prior to the start of construction. Notify the EOS in writing before the start of construction regarding discrepancies, omissions or variations, or they shall become the sole responsibility of the contractor. Notes and the specific details on these drawings take precedence over general structural notes and typical details.
- d. Construction methods are not explicitly included on these drawings. General sequences are shown for reference only. The contractor shall be solely responsible for all methods, sequences, and procedures of construction. The contractor shall provide adequate shoring, bracing, framework, etc. as required for the protection of life and property during construction.
- e. Excavation procedures including shoring and protection of adjacent property, structures, streets, and utilities shall be performed in compliance with local building codes, regulations, and safety requirements, and shall be the contractor's responsibility.
- f. Construction materials shall be spread out uniformly on structural systems such that design live loads are not exceeded.
- g. Openings, pockets, etc. shall not be placed in structural members unless specifically detailed on these drawings. When drawings by others show items in structural members not shown on the structural drawings, notify the EOS in writing to determine correct deposition.
- h. Site visits by the EOS are a resource for the contractor and shall not be considered as special inspections. Contractor and/or customer will be responsible for all costs incurred when requesting site visits by the EOS.
- i. As per CSA-S16-09, Section 29, Sub-section 29.7.2, Plumbness of Columns, (c): Column verticality shall not exceed 1/500 and shall be measured from the actual column centerline at the base of the column.

STRUCTURAL BOLT TORQUE VALUES						
SIZE		GR 5/A325				
DIA. (inch)	THREADS PER INCH	TENSILE ksi (min.)	PROOF LOAD (lbs)	CLAMP LOAD (lbs)	TORQUE DRY (ft-lbs)	TORQUE LUBE (ft-lbs)
3/8	16	120	6600	4950	30	23
7/16	14	120	9050	6780	50	35
1/2	13	120	12100	9050	75	55
5/8	11	120	19200	14400	150	110
3/4	10	120	28400	21300	260	200
1-1/4	7	105	71700	53800	1120	840

NOTE: TORQUE VALUES FOR REFERENCE ONLY. TURN OF THE NUT, CALIBRATED WRENCH OR OTHER APPROVED METHOD REQUIRED TO ENSURE BOLT TENSION.

STRUCTURAL STEEL

1.0 MATERIALS

- a. Structural steel members shall conform to the following ASTM (CSA G-40.21) with the following grades and material properties U.N.O.

SHAPE	CSA G40.21 DESIGNATION	ASTM DESIGNATION (SAE GRADE)	YIELD STRENGTH MPa (ksi)	TENSILE STRENGTH MPa (ksi)
STANDARD STEEL SHAPES	300 W	A36/44W	300 (44)	450-620 (65-80)
ROLLED WIDE FLANGE SECTIONS	350 W	A992	350 (50)	450 (65)
BARs AND PLATES	300 W	A36/44W	300 (44)	450-620 (65-80)
HSS - ROUND	350 W	G40.21 350W	350 (50)	450-650
HSS - SQ./REC.	350 W	A500 GRADE C	350 (50)	450-650
MECHANICAL TUBING	----	787-05	380 (55)	----
STRUCTURAL BOLTS	----	GRADE 5	----	724-827 (60)
	----	A325	----	724-827 (105-120)
	----	GRADE 8	----	827 (120)
	----	A490	----	1034 (150)
ANCHOR BOLTS	----	F1554 GR 36	248 (36)	400-558 (58-80)
	----	F1554 GR 55	380 (55)	517-655 (75-95)
	----	F1554 GR 105	724 (105)	125-150 (125-150)

- b. Structural steel shall be fabricated and erected in accordance with AISC/CISC specifications for the design fabrication and erection of structural steel buildings.

2.0 INSTALLATION

- a. Welders shall be AWS/CWB certified where required by jurisdictional authority. All welding shall use E70 series low hydrogen electrodes. All welding shall conform to the latest American Welding Society standards; welds on drawings are shown as shop welds. Contractor may shop weld or field weld at his discretion. All full penetration welds shall be tested and certified by an independent testing laboratory.
- b. All bolts shall be installed as bearing-type connections with threads excluded from shear plane (type "x" connection), UNO. High-strength bolts shall be snug tightened using any AISC/CISC approved method and do not require special inspections unless noted otherwise. All bolts in slotted or oversize holes and all high-strength bolts shall be installed with washers.
- c. All expansion or epoxy bolts shall have current approved rating (ICC-ES or equivalent) for material into which installation occurs. Headed studs shall conform to all requirements of the latest edition of the "recommended practices for stud welding" and the "structural welding code" published by AWS. All bolts, anchor bolts, expansion bolts, etc. shall be installed with steel washers at face of wood.
- d. Grout beneath column bases or bearing plates shall be 5000psi (35MPa) minimum non-shrink flow-able grout or dry-pack. Install grout under bearing plates before framing member is installed. At columns, install grout under base plates after column has been plumbed but prior to floor or roof installation. Grout depth shall be sufficient to allow grout or dry pack to be placed beneath plate without voids.
- e. All misc. welds not noted, including stiffeners, misc. plates, etc. shall be per AISC/CISC manual table J2.4 or in an AWS/CWB certified shop.

LIGHT GAUGE STEEL FRAMING

1.0 MATERIALS

- a. All products to be manufactured by the current members of the steel stud manufacturers association. All galvanized studs and joist shall be formed from steel that corresponds to the minimum requirements of the latest addition of the AISA or CSA-S136. All structural members shall be designed in accordance with the Canadian Institute of Steel Construction (CISC) or American Iron and Steel Institute (AISI) specification for the design of cold-formed steel structural members (latest edition).
- b. Structural drawings show only the primary structural framing elements of the system, and the contractor shall provide all accessories required for the complete and proper installation, as recommended by the manufacturer for the steel members used.
- c. All welding shall be performed by welders experienced in light gauge structural steel framing work. All welds per AWS D1.3 or AWS D1.3 as applicable.

2.0 FRAMING

- a. Prior to fabrication of framing, that is designed and supplied by others, the contractor shall submit shop drawings to the EOS to obtain approval.
- b. All framing components shall be cut squarely for attachment to perpendicular members or as required for an angular fit against abutting members.
- c. Temporary bracing where required, shall be provided until erection is complete.
- d. Fastening of the components shall be with self-drilling screws or welding. Screws or welds shall be of sufficient size to insure the strength of the connection. All welds of galvanized steel shall be touched up with two coats of zinc-rich paint. Wire tying of components shall not be permitted.
- e. Screws shall be self-tapping pan head, hex head, or wafer head sheet metal screws. Screws which are removed shall be replaced by a screw of a larger diameter where the replacement is made into an existing hole. Replace all screws which strip out material. Screws shall be spaced no closer than 5/8" o/c and with a minimum free edge distance of 1/2". Screws No. 8 and larger shall have a minimum head size of 5/16".
- f. Any on-site welding during structure erection shall be performed by welders experienced in light gauge structural steel framing work.

FOUNDATION

- 1. Foundations were designed per minimum requirements of the current accepted building code as listed in the basis for design. A Geotechnical Engineer should be commissioned to provide a soils report prior to the completion of the structural design for this project. The EOS will not assume any liability beyond the minimum code requirements in the event that a Geotechnical Report is not provided.

2. Footings and Foundations:

Minimum allowable soil bearing pressure: 75 kPa UNO (1550 psf)

Minimum concrete strength: 20 MPa (2900 psi), 6% air

3. Cantilever Post walls:

Active Soil Pressure (eq. fluid weight) = 5.5 kPa/m (35 psf/ft)

Passive Soil Pressure per Rankine Method, phi = 30 deg

Sliding Resistance (friction) = 0.3

- 4. Footing excavations shall be clean and free from loose debris, standing water, or un-compacted material at the time of concrete placement.

- 5. Trenches and excavations under or adjacent to foundations or slabs shall be properly backfilled and compacted. Utility trenching parallel to the foundation shall be located a minimum distance equal to the depth of the trench from the foundation. The trench may approach the foundation at 90 degrees to the structure and may not exceed two and one half feet (0.76m) wide. The trench approach to the foundation may not be located closer than 8 feet (2.44m) from a corner of the structure.

- 6. All forms shall be properly braced to withstand the placement of fresh concrete.

- 7. Foundation walls may extend above grade and the finished floor systems will not be positioned to brace the top of the wall.

WOOD MATERIALS

- 1. Structural sawn lumber design values shall comply with the latest edition of the grading rules of the Western Wood Products Association (WWPA) or the West Coast Lumber Inspection Bureau (WCLIB). All sawn lumber shall be stamped with the grade match of an approved lumber grading agency. Structural sawn lumber components shall have the following minimum grade unless noted otherwise on the plans:

- 2. Glued-Laminated Beams (Glulam) shall be Rigidply Southern Pine combination 50 unless noted otherwise on the plans. The GLB beams shall have the following minimum properties: E=1,800,000 psi, Fb=2300 psi, Fv=165 psi. Fabrication and handling shall conform to the latest AITC and ASTM standards. Beams shall bear an appropriate grade stamp clearly noting its design properties.

- 3. Glued laminated structural members in contact with earth or exposed to weather shall comply with the latest edition of the American Wood Preservers Association standard AWPAC C2 or equivalent North American standard.

- 4. All other wood in contact with or exposed to weather shall comply with the latest edition of the American Wood Preservers Association standard AWPAC C16 for agricultural buildings and AWPAC C15 for any other applications.

- 5. The laminated, preserved wood posts meet CSA 080 Series -08-Wood Preservation, CSA -0122-06 (R2011) - Structural Glued-Laminated Timber and all design of wood components has been performed in accordance with CSA-086.1 "Engineering Design in Wood (Limit States Design)"

- 6. The contractor is solely responsible for the accurate placement of the Wood post foundation as shown on the Engineered drawings as verified by the permit official.

FRAMING NOTES

- 1. DOOR DESIGNED & SUPPLIED BY OTHERS. DOOR MUST BE DESIGNED TO HANDLE SITE WIND LOADS. STRUCTURE HAS BEEN DESIGNED SUCH THAT THE DOOR IS CLOSED IN THE EVENT OF HIGH WIND (EXCEEDING 70 KPH OR 44 MPH).
- 2. ENDWALL STRAPPING AND HARDWALL CLADDING DESIGNED AND SUPPLIED BY OTHERS (CLADDING TO 8', FABRIC ABOVE).
- 3. ALL STRAPPING AND HARDWALL CLADDING MUST BE DESIGNED TO MEET SITE WIND LOADS.

GENERAL NOTES


- 1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. RESOLVE DISCREPANCIES WITH THE BUILDING SUPPLIER.
- 2. FINISHED FLOOR ELEVATION = 100'-0" U.N.O.
- 3. ALL CONCRETE COMPONENTS ARE SUPPLIED BY OTHERS.

NOTE:
BUILDING IS DESIGNED TO BE
FREE STANDING.

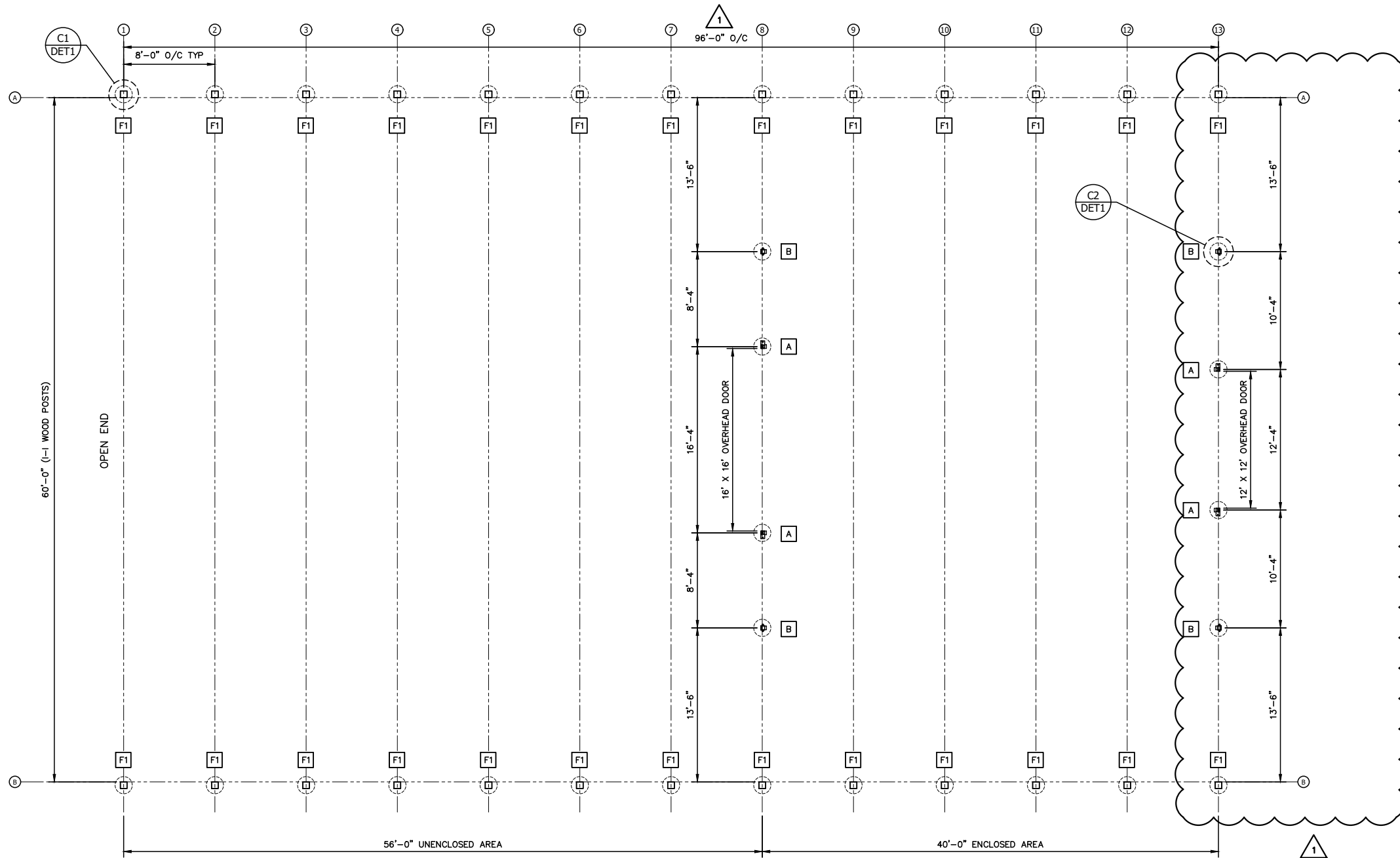
STANDARD ABBREVIATIONS	
ABBREVIATION	DEFINITION
ACI	AMERICAN CONCRETE INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ALT	ALTERNATIVE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWPA	AMERICAN WOOD PRESERVERS ASSOCIATION
AWC	AMERICAN WELDERS SOCIETY
BOF	BOTTOM OF FOOTING
CAN	CANADIAN
CWS	CANADIAN WELDERS SOCIETY
CWB	CANADIAN WELDING BUREAU
CONT.	CONTINUOUS
DIA.	DIAMETER
EF	EACH FACE
EOS	ENGINEER OF STRUCTURE
EW	EACH WAY
FTE	FINISH FLOOR ELEVATION
FT	FOOT
GA	GAUGE
GLB	GLUE LAMINATED BEAM
GSN	GENERAL STRUCTURAL NOTES
HSS	HOLLOW STRUCTURAL SECTION
HORIZ	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
ICC-ES	INTERNATIONAL CODE COUNCIL - EVALUATION SERVICES
KIP	KILOPOUND (1,000 LB)
KPa	KILOPASCAL
ksi	KIPS PER SQUARE INCH
MFR	MANUFACTURER
MAX	MAXIMUM
MIN	MINIMUM
MPa	MEGAPASCALS
MISC	MISCELLANEOUS
NBCC	NATIONAL BUILDING CODE OF CANADA
NFBC	NATIONAL FARM BUILDING CODE
NTS	NOT TO SCALE
O/C	ON CENTER
OBC	ONTARIO BUILDING CODE
PA	PASCAL
psf	POUNDS PER SQUARE FOOT
psf	POUNDS PER SQUARE INCH
SAE	SOCIETY OF AUTOMOTIVE ENGINEERS
STD	STANDARD
TOF	TOP OF FOOTING / FOUNDATION
TOL	TOP OF LEG
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP.	TYPICAL
UBC	UNIFORM BUILDING CODE
ULC	UNDERWRITERS LABORATORIES OF CANADA
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WCLIB	WEST COAST LUMBER INSPECTION BUREAU
WWPA	WESTERN WOOD PRODUCTS ASSOCIATION

ANY MODIFICATIONS OR DAMAGE TO
STRUCTURE OR COMPONENTS MUST
BE REPORTED IMMEDIATELY TO
CALHOUN SUPER STRUCTURES. ALL
REPAIRS MUST BE APPROVED BY
EOS IN WRITING.

FOUNDATION DESIGNED BY EOS
AND SUPPLIED BY OTHERS

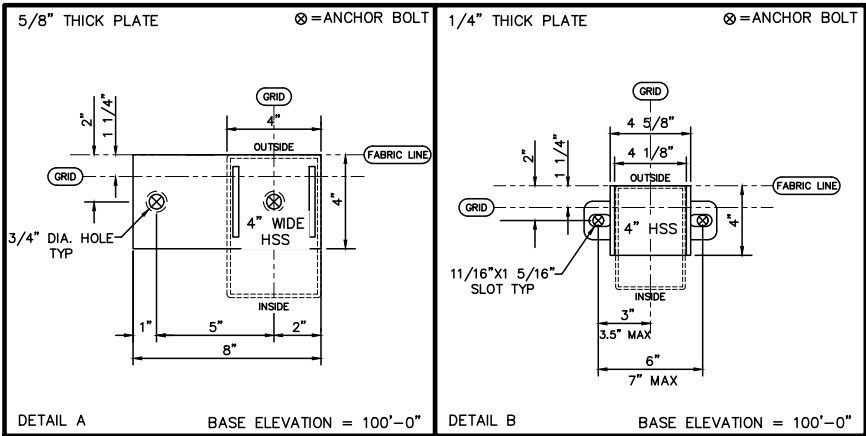
Calhoun Super Structures Ltd 3702 Bruce Rd #10 Tara, Ontario, Canada M3H 2N0 1-800-265-3994 www.calhoun.ca www.calhounsuperstructure.com																
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COLUMN AND FOUNDATION SCHEDULE					
KEY NOTE	POST SIZE	PIER DIA.	EMBEDMENT	REINFORCING	MATERIAL
F1	7" X 8" 6 PLY	18" Ø	95' B.O.F. TO 98' T.O.F. (5' DEEP HOLE / 3' CONCRETE)	#5 (15M) REBAR THROUGH POST c/w 3" CLEAR e/w	LAMINATED WOOD - PRESSURE TREATED RIGIDPLY COMBO 50 LAYUP
F2	---	18" Ø	96' B.O.F. TO 100' T.O.F. (4' DEEP HOLE / 4' CONCRETE)	#3 (10M) REBAR VERTICAL QUANTITY (4)	---

FOOTING SIZES ABOVE ARE MINIMUMS BASED ON STRUCTURE LOADS. FOOTING DIAMETER AND DEPTH MAY BE INCREASED FOR LOCAL SITE CONDITIONS SUCH AS FROST PENETRATION.



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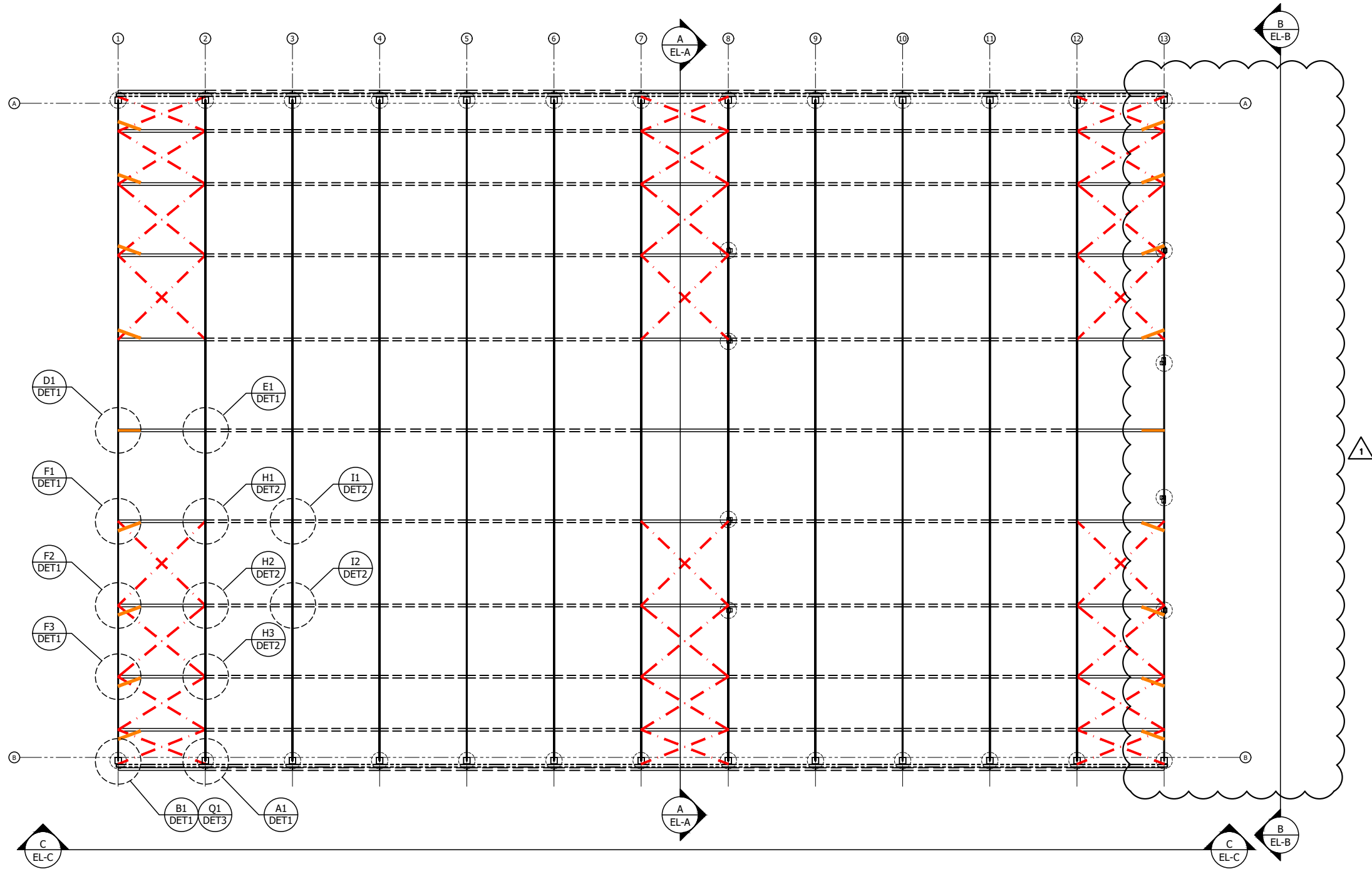
Calhoun Super Structures Ltd.
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www.calhoun.ca
www.calhounsuperstructure.com

CALHOUN

FOUNDATION PLAN
62' CC SERIES
405694 CC62x96 R1

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FRAMING SCHEDULE				
LEGEND	DESCRIPTION	SECTION	GA/LOAD	COMMENTS
	TYPICAL PURLIN	2-3/8"Ø	13	UNBRACED BAYS
	TYPICAL PURLIN	2-7/8"Ø	14	BRACED BAYS
	BRACE PURLIN	U 2"x2"	11	END BAYS ONLY
	TENSION TUBE	2-3/8"Ø	13	ALL BAYS

CABLE SCHEDULE					
LEGEND	DESCRIPTION	SECTION	GA/LOAD	PROOF TURNS	PRE-TENSION TURNS
	ROOF TRUSS	3/16" DIA 7X19	600	6-1/8	1-1/2
CABLE TENSIONING SEQUENCE: 1. HAND TIGHT 2. PLUS SPECIFIED TURNS, AS ABOVE, USING A CHEATER BAR OR WRENCH (TO STRETCH CABLE) 3. LOOSEN TO SLACK 4. HAND TIGHT 5. PLUS SPECIFIED TURNS, AS ABOVE, USING A CHEATER BAR OR WRENCH (FINAL TENSIONING 600 LBS UNO)					

MAIN BUILDING COVER INFORMATION	
FABRIC TYPE	COVER INFORMATION
BAG COVER	1 PIECE BAG COVER, TENSION AS PER DETAILS



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Calhoun Super Structures Ltd.
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DATE
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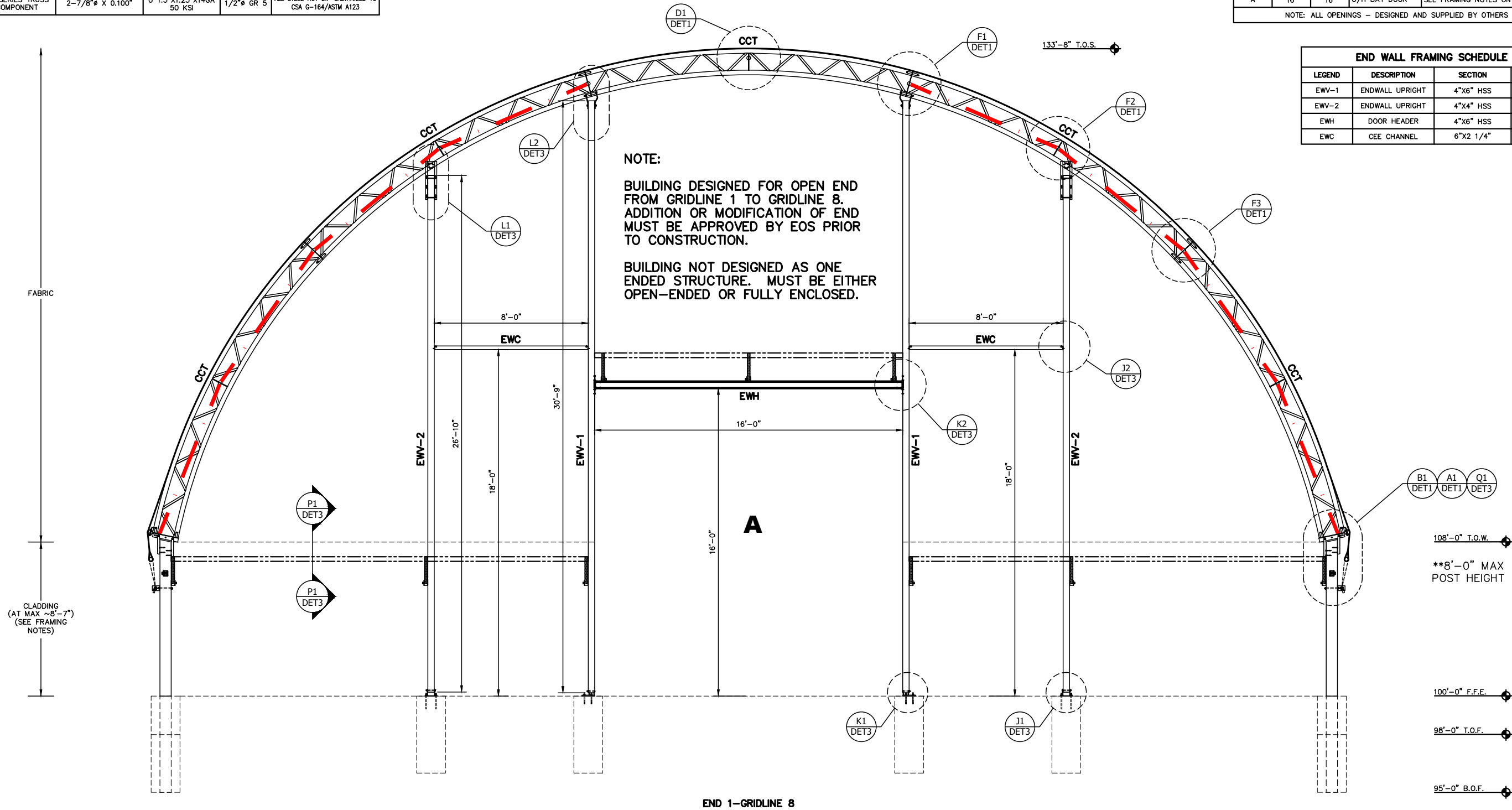
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SHEET 4 OF 10





COMPONENT SCHEDULE					
MARK	DESCRIPTION	CHORDS	WEBS	BOLTS	COMMENTS
CCT	CC SERIES TRUSS COMPONENT	2-7/8" x 0.100"	U 1.5"x1.25"x14GA 50 KSI	1/2"ø GR 5	ALL STEEL HOT DIP GALVANIZED TO CSA G-164/ASTM A123


DOOR SCHEDULE				
MARK	WIDTH	HEIGHT	TYPE	COMMENTS
A	16"	16"	O/H BAY DOOR	SEE FRAMING NOTES ON GSN SHEET
NOTE: ALL OPENINGS - DESIGNED AND SUPPLIED BY OTHERS				

END WALL FRAMING SCHEDULE			
LEGEND	DESCRIPTION	SECTION	GA/LOAD
EWV-1	ENDWALL UPRIGHT	4"x6" HSS	1/4"
EWV-2	ENDWALL UPRIGHT	4"x4" HSS	3/16"
EWH	DOOR HEADER	4"x6" HSS	1/4"
EWV	CEE CHANNEL	6"x2 1/4"	14



END 1-GRIDLINE 8

FRAMING SCHEDULE				
LEGEND	DESCRIPTION	SECTION	GA/LOAD	COMMENTS
	TYPICAL PURLIN	2-3/8"	13	UNBRACED BAYS
	TYPICAL PURLIN	2-7/8"	14	BRACED BAYS
	BRACE PURLIN	U 2"x2"	11	END BAYS ONLY
	TENSION TUBE	2-3/8"	13	ALL BAYS

CABLE SCHEDULE					
LEGEND	DESCRIPTION	SECTION	GA/LOAD	PROOF TURNS	PRE-TENSION TURNS
 I	ROOF TRUSS	3/16" DIA 7X19	600	6-1/8	1-1/2

CABLE TENSIONING SEQUENCE:

1. HAND TIGHT
2. PLUS SPECIFIED TURNS, AS ABOVE, USING A CHEATER BAR OR WRENCH (TO STRETCH CABLE)
3. LOOSEN TO SLACK
4. HAND TIGHT
5. PLUS SPECIFIED TURNS, AS ABOVE, USING A CHEATER BAR OR WRENCH (FINAL TENSIONING 600 LBS UNO)

END WALL FABRIC INFORMATION	
FABRIC TYPE	FABRIC INFORMATION
1 PIECE END PANEL	CONNECTED TO OUTER CHORD USING SCHEDULE 80 PVC WITH CAMBUCKLES @ 20" o/c. TENSION AS PER DETAILS.

Calhoun Super Structures Ltd.
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ELEVATION A
62' CC SERIES
405694 CC62x96 R1

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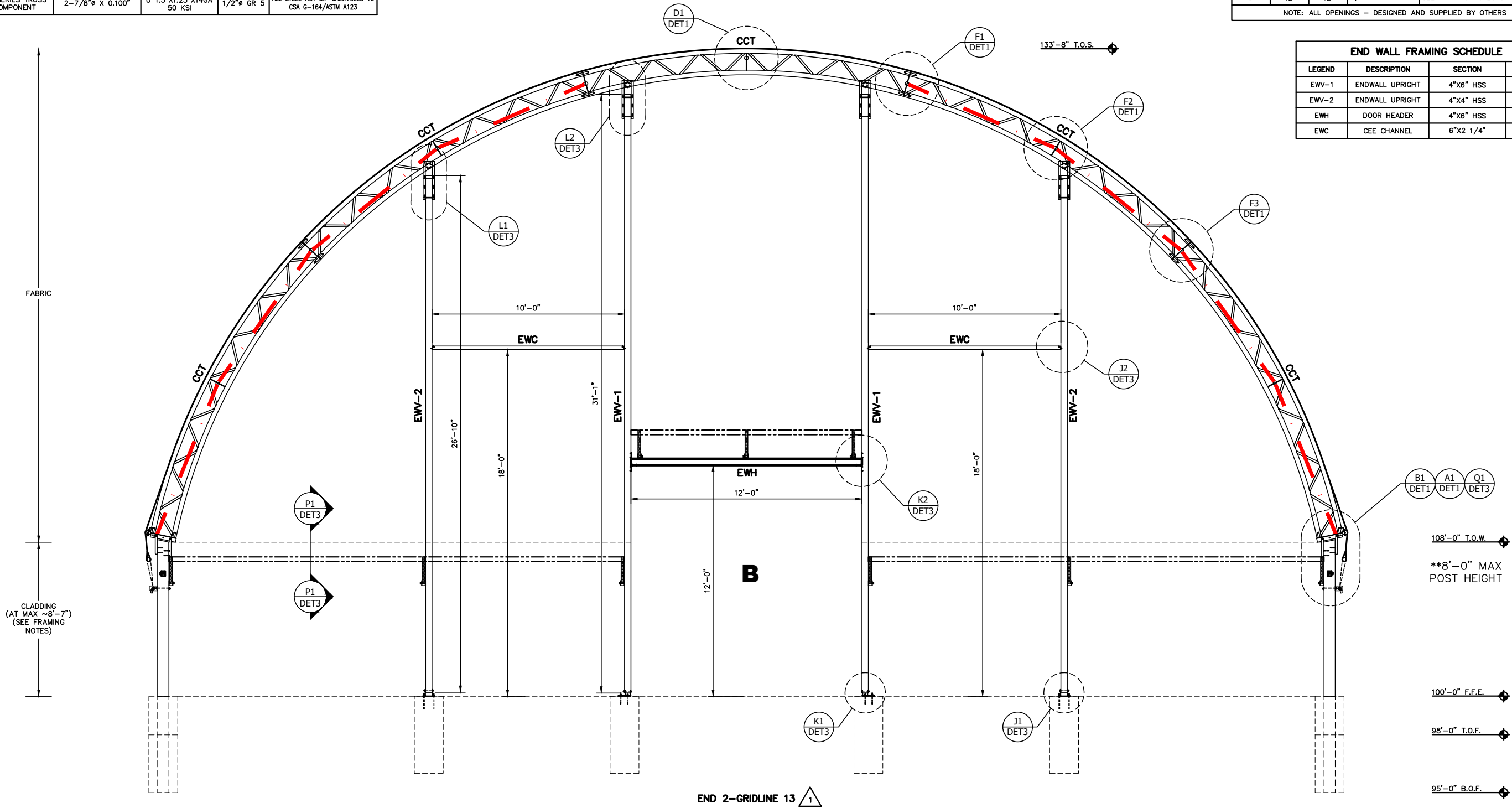
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COMPONENT SCHEDULE					
MARK	DESCRIPTION	CHORDS	WEBS	BOLTS	COMMENTS
CCT	CC SERIES TRUSS COMPONENT	2-7/8" X 0.100"	U 1.5"x1.25"x14GA 50 KSI	1/2" GR 5	ALL STEEL HOT DIP GALVANIZED TO CSA G-164/ASTM A123

DOOR SCHEDULE				
MARK	WIDTH	HEIGHT	TYPE	COMMENTS
B	12'	12'	O/H BAY DOOR	SEE FRAMING NOTES ON GSN SHEET

NOTE: ALL OPENINGS - DESIGNED AND SUPPLIED BY OTHERS

END WALL FRAMING SCHEDULE			
LEGEND	DESCRIPTION	SECTION	GA/LOAD
EWV-1	ENDWALL UPRIGHT	4"x6" HSS	1/4"
EWV-2	ENDWALL UPRIGHT	4"x4" HSS	3/16"
EWB	DOOR HEADER	4"x6" HSS	1/4"
EWV	CEE CHANNEL	6"x2 1/4"	14



FRAMING SCHEDULE				
LEGEND	DESCRIPTION	SECTION	GA/LOAD	COMMENTS
	TYPICAL PURLIN	2-3/8"	13	UNBRACED BAYS
	TYPICAL PURLIN	2-7/8"	14	BRACED BAYS
	BRACE PURLIN	U 2"x2"	11	END BAYS ONLY
	TENSION TUBE	2-3/8"	13	ALL BAYS

CABLE SCHEDULE					
LEGEND	DESCRIPTION	SECTION	GA/LOAD	PROOF TURNS	PRE-TENSION TURNS
	ROOF TRUSS	3/16" DIA 7X19	600	6-1/8	1-1/2

CABLE TENSIONING SEQUENCE:

- HAND TIGHT
- PLUS SPECIFIED TURNS, AS ABOVE, USING A CHEATER BAR OR WRENCH (TO STRETCH CABLE)
- LOOSEN TO SLACK
- HAND TIGHT
- PLUS SPECIFIED TURNS, AS ABOVE, USING A CHEATER BAR OR WRENCH (FINAL TENSIONING 600 LBS UNO)

END WALL FABRIC INFORMATION	
FABRIC TYPE	FABRIC INFORMATION
1 PIECE END PANEL	CONNECTED TO OUTER CHORD USING SCHEDULE 80 PVC WITH CAMBUCKLES @ 20" o/c. TENSION AS PER DETAILS.

FOUNDATION DESIGNED BY EOS
AND SUPPLIED BY OTHERS

Calhoun Super Structures Ltd.
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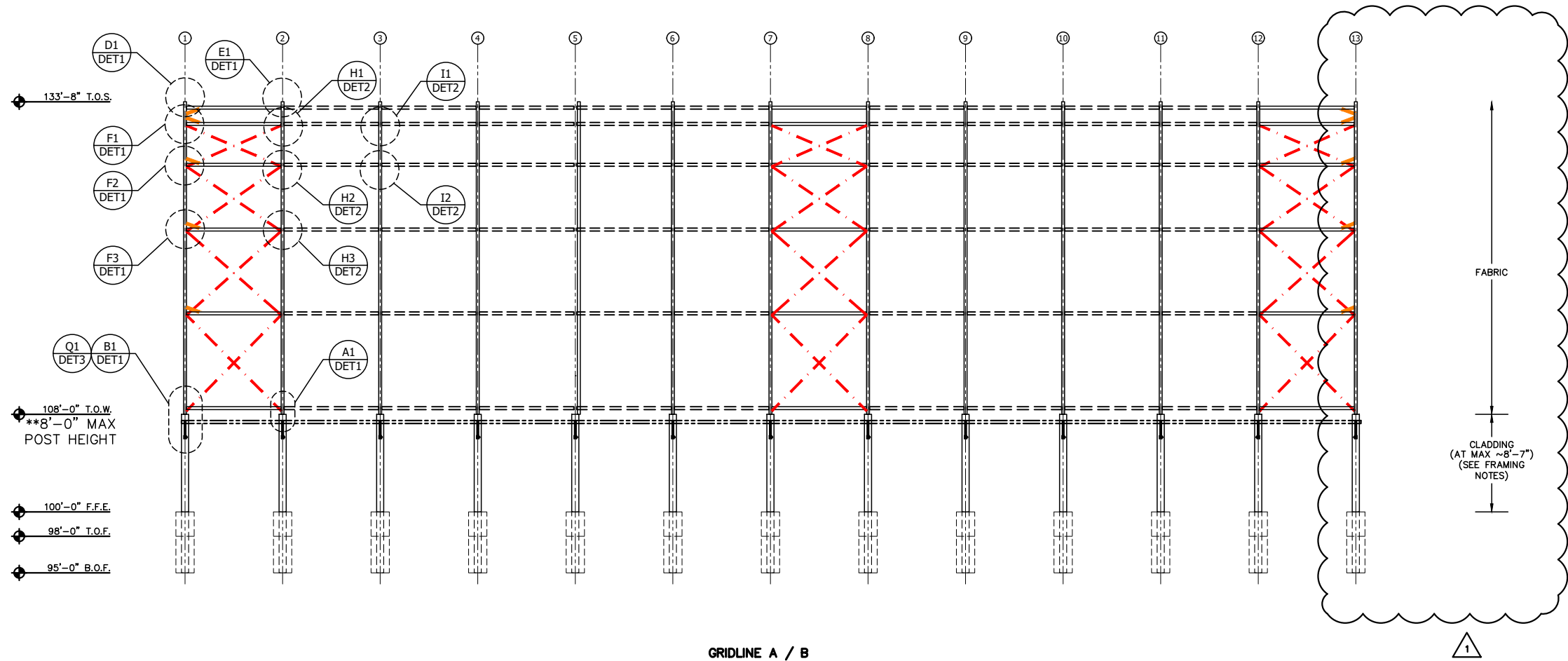
CALHOUN

ELEVATION B
62' CC SERIES
405694 CC62x96 R1

NAME: B. A. DEVITT
DATE: 25/02/2020
DRAWN: R D B
CHECKED: A G B
SCALE: 3/8"=1'-0"

SHEET 6 OF 10





FRAMING SCHEDULE				
LEGEND	DESCRIPTION	SECTION	GA/LOAD	COMMENTS
	TYPICAL PURLIN	2-3/8"Ø	13	UNBRACED BAYS
	TYPICAL PURLIN	2-7/8"Ø	14	BRACED BAYS
	BRACE PURLIN	U 2"x2"	11	END BAYS ONLY
	TENSION TUBE	2-3/8"Ø	13	ALL BAYS

CABLE SCHEDULE					
LEGEND	DESCRIPTION	SECTION	GA/LOAD	PROOF TURNS	PRE-TENSION TURNS
	ROOF TRUSS	3/16" DIA 7X19	600	6-1/8	1-1/2
CABLE TENSIONING SEQUENCE:					
1. HAND TIGHT					
2. PLUS SPECIFIED TURNS, AS ABOVE, USING A CHEATER BAR OR WRENCH (TO STRETCH CABLE)					
3. LOOSEN TO SLACK					
4. HAND TIGHT					
5. PLUS SPECIFIED TURNS, AS ABOVE, USING A CHEATER BAR OR WRENCH (FINAL TENSIONING 600 LBS UNO)					

MAIN BUILDING COVER INFORMATION	
FABRIC TYPE	COVER INFORMATION
BAG COVER	1 PIECE BAG COVER, TENSION AS PER DETAILS



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DRAWN R D B 25/02/2020
CHECKED A G B 25/02/2020

NAME DATE
B. A. DEVITT 25/02/2020
90529348

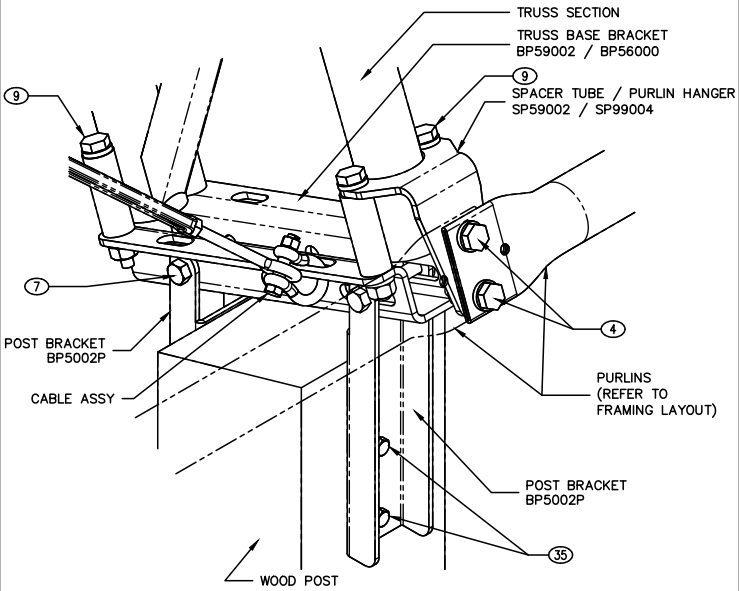
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ELEVATION C
62' CC SERIES
405694 CC62x96 R1

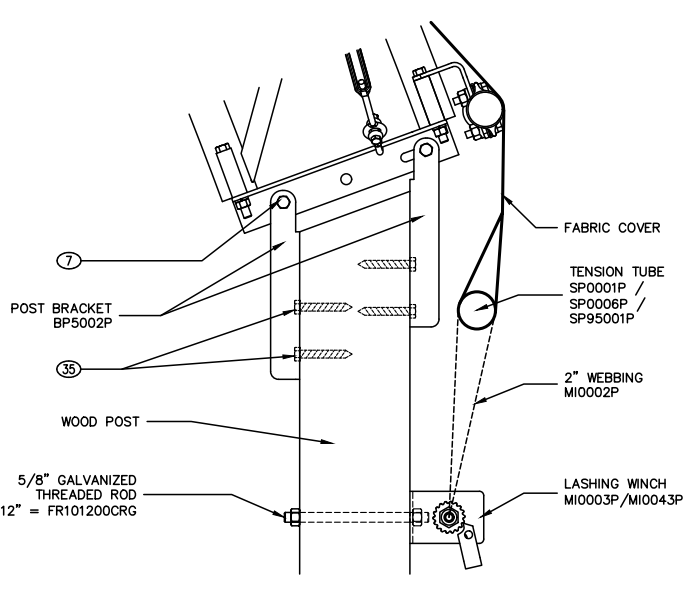
SHEET NAME
EL-C

SCALE: 3/16"=1'-0" SHEET 7 OF 10

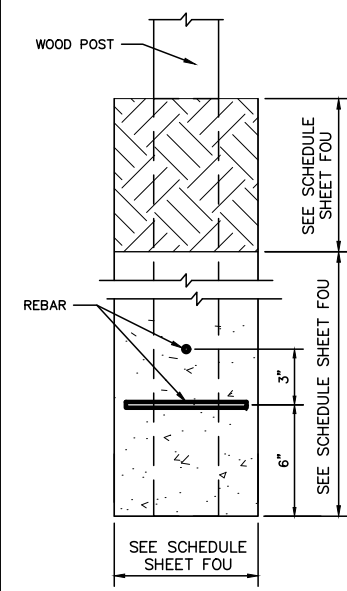
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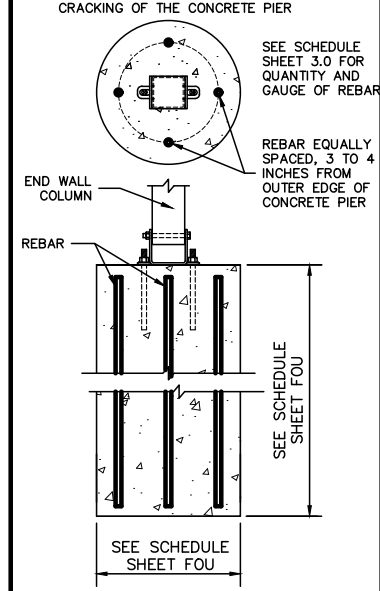
DETAIL A1 POST BRACKET MOUNT



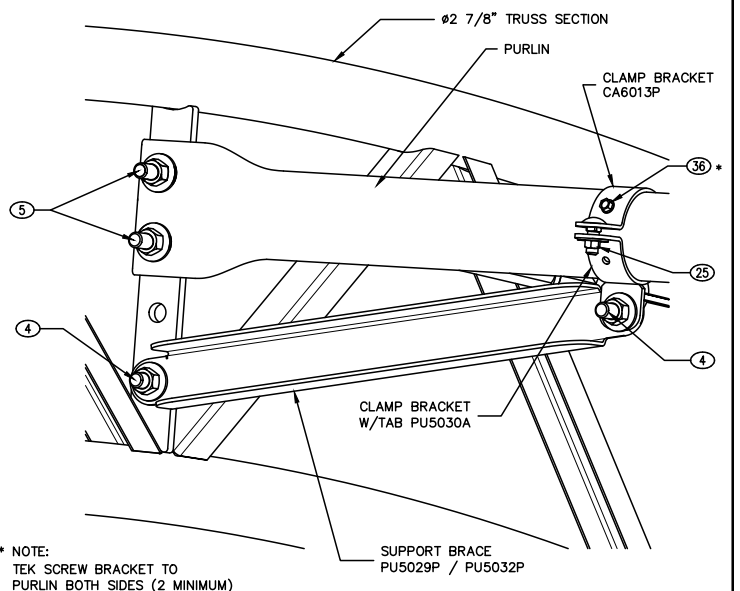
DETAIL B1 BAG COVER STANDARD FABRIC TERMINATION



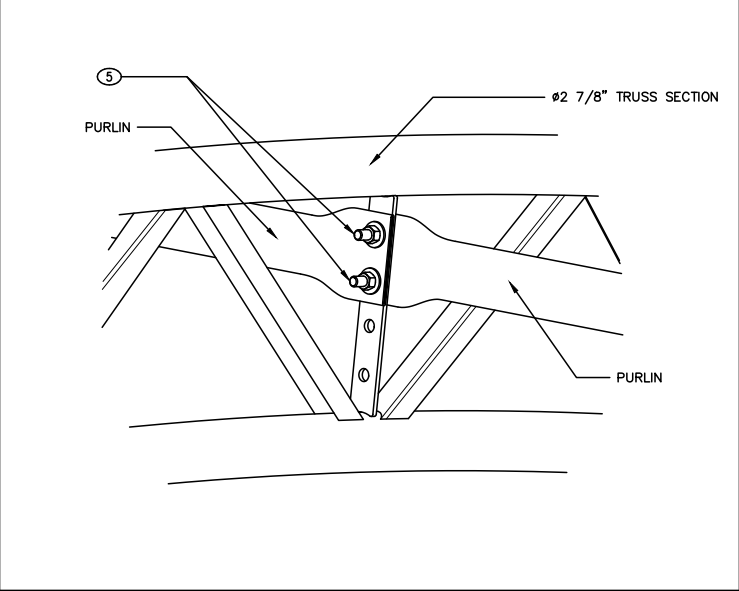
DETAIL C1 - WOOD POST EMBEDMENT



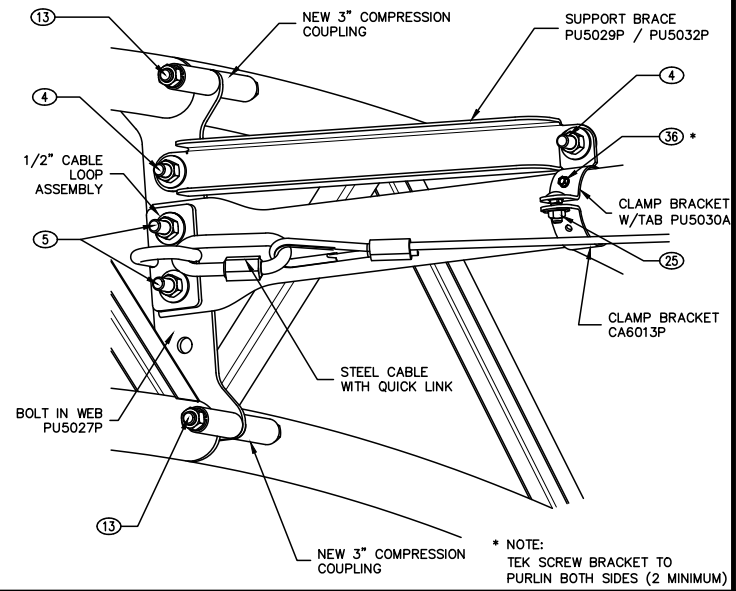
DETAIL C2 - END WALL PIER



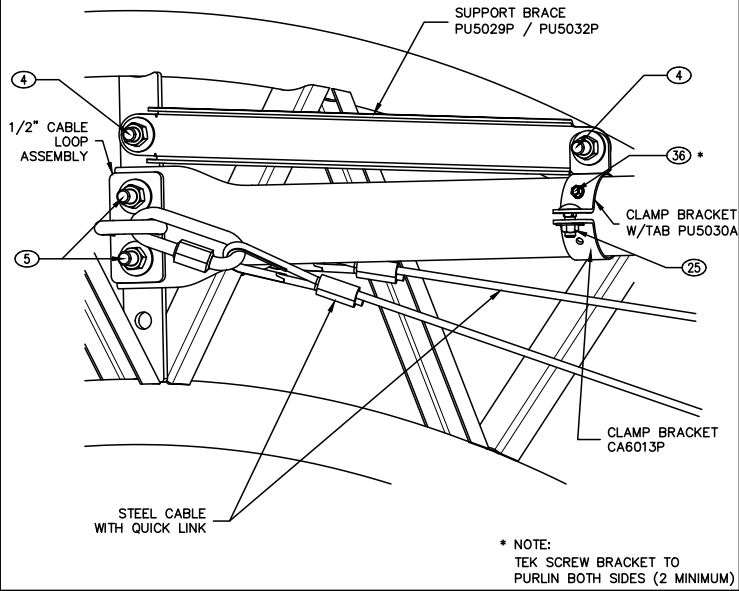
DETAIL D1 RIDGE PURLIN AT END AT WELD IN WEB



DETAIL E1 RIDGE PURLIN AT WELD IN WEB



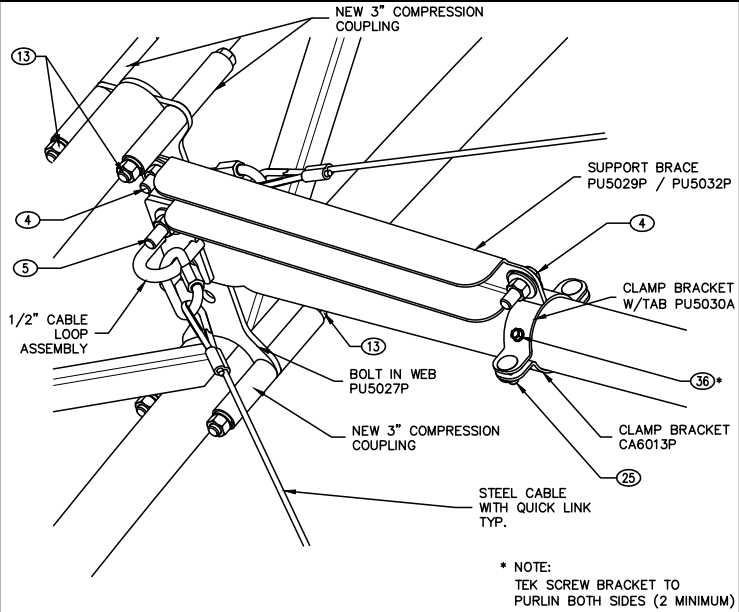
DETAIL F1 PURLIN AT END AT BOLT IN WEB - ONE CABLE CONNECTION



DETAIL F2 PURLIN AT END AT WELD IN WEB - TWO CABLES CONNECTION

HARDWARE SCHEDULE (AS OCCURS)					
ITEM No.	DESCRIPTION	PART No.	ITEM No.	DESCRIPTION	PART No.
1	HEX BOLT 3/8 X 1-1/2	FA0029P	25	CARRIAGE BOLT 3/8 X 1-1/2	FC060150G5G
2	---	---	26	CARRIAGE BOLT 3/8 X 4	FA0103P
3	---	---	27	CARRIAGE BOLT 3/8 X 4-1/2	FA0102P
4	HEX BOLT 1/2 X 1-1/2	FA0011P	28	CARRIAGE BOLT 1/2 X 2	FA0146P
5	HEX BOLT 1/2 X 2-1/2	FA0151P	29	CARRIAGE BOLT 1/2 X 4-1/2	FA0138P
6	HEX BOLT 1/2 X 2-1/2 GR8	FA7021P	30	CARRIAGE BOLT 1/2 X 5	FA0127P
7	HEX BOLT 1/2 X 3-1/2	FA0006P	31	CARRIAGE BOLT 1/2 X 5-1/2	FA7010P
8	HEX BOLT 1/2 X 4	FA0009P	32	CARRIAGE BOLT 5/8 X 1-1/2	FA0142P
9	HEX BOLT 1/2 X 4-1/2	FA0076P	33	CARRIAGE BOLT 5/8 X 6	FA7017P
10	HEX BOLT 1/2 X 5	FA0010P	34	LAG BOLT 3/8 X 1-1/2	FA0030P
11	HEX BOLT 1/2 X 5-1/2	FA0080P	35	LAG BOLT 1/2 X 3-1/2	FA0007P
12	HEX BOLT 1/2 X 6-1/2	FH080650G5G	36	TEK SCREWS 1/4 X 1	FA2201P
13	HEX BOLT 1/2 X 7-1/2	FH080750G5G	37	TEK SCREWS 1/4 X 1-1/4 GASK	FA2204P
14	HEX BOLT 5/8 X 1-1/2	FA0059P	38	TEK SCREWS 1/4 X 1 WHITE	FA2202P
15	HEX BOLT 5/8 X 2	FA0061P	39	TEK SCREWS 12-24 X 1-1/4	FA0147P
16	HEX BOLT 5/8 X 2-1/2	FA0062P	40	TEK SCREWS 1/4 X 2-1/2	FA0089P
17	HEX BOLT 5/8 X 3	FA0063P	41	TEK SCREWS 1/4 X 1-1/2	FA2203P
18	HEX BOLT 5/8 X 4	FA0055P	42	THREADED ROD 5/8 X 5	FR100500G2G
19	HEX BOLT 5/8 X 5	FA0074P	43	CARRIAGE BOLT 5/8 X 2	FC100200G5G
20	HEX BOLT 5/8 X 6	FA7016P	44	HEX BOLT 1/2 X 1	FH080100G5G
21	HEX BOLT 3/4 X 3	FA0077P	45	LAG BOLT 3/4 X 3-1/2	FG120350G2G
22	HEX BOLT 3/4 X 5	FA6005P	48	BLIND BOLT 1/2	FA1053P
23	HEX BOLT 7/8 X 2-1/2	FA0120P	49	BLIND BOLT 5/16" X 2"	FA1054P
24	HEX BOLT 1-1/4 X 4-1/2	FA7015P	50	CONNECTION BY OTHERS	

NOTES: REFERENCE TO BOLTS AND/OR U-BOLTS INCLUDES ASSOCIATED NUT AND WASHER ALWAYS INSTALL WASHER ON TURN SIDE OF BOLT - UNO



DETAIL F3 PURLIN AT END AT BOLT IN WEB

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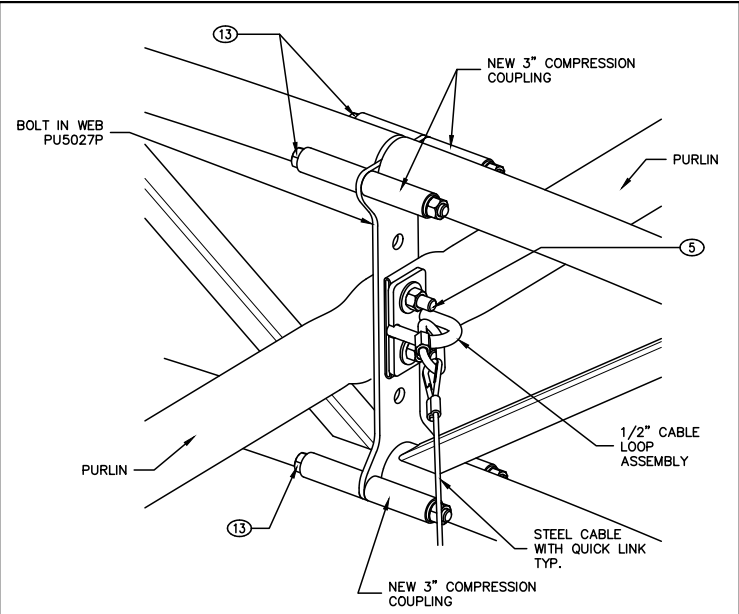
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DETAILS
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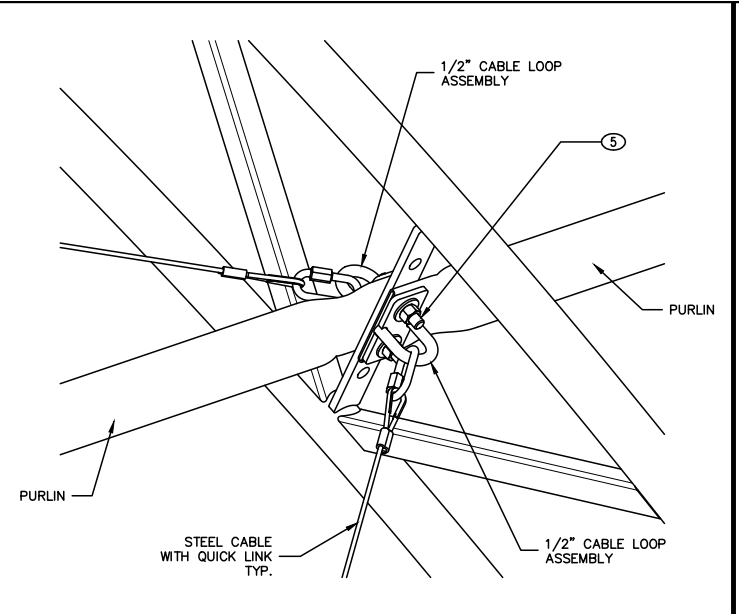
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DET1
SHEET 8 OF 10

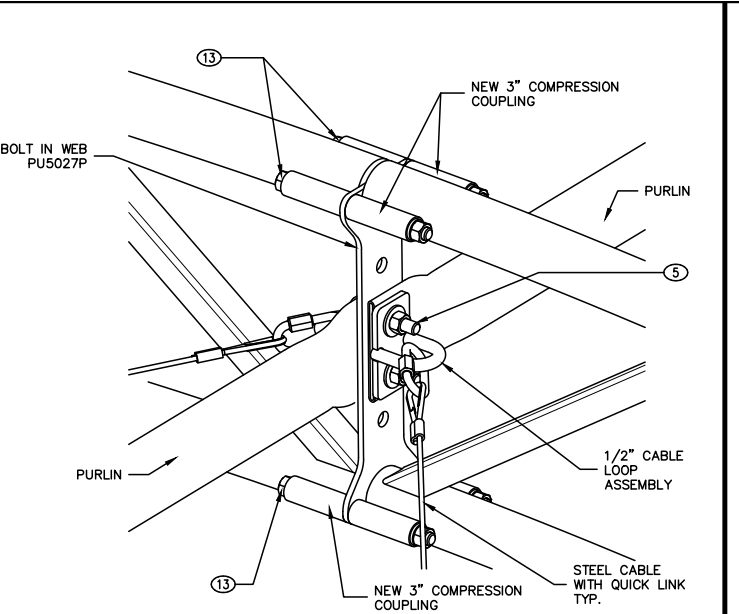
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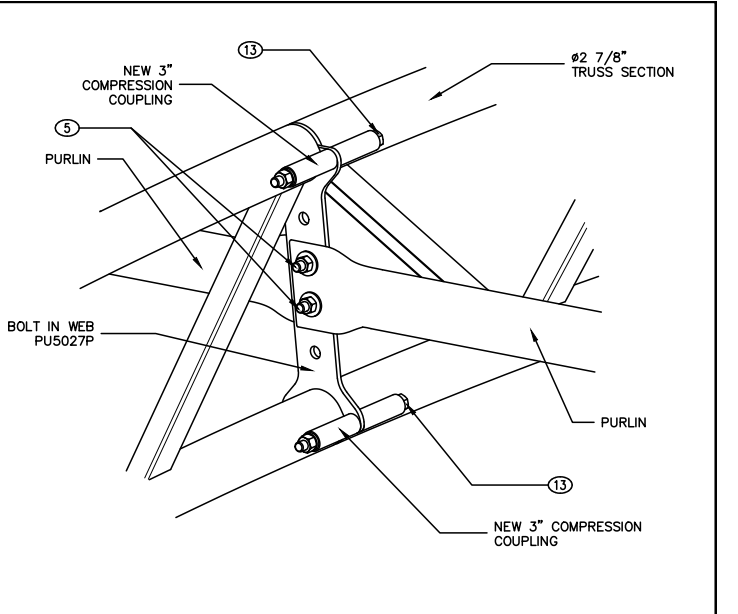
DETAIL H1 BRACED BAY TO UNBRACED BAY AT BOLT IN WEB - ONE CABLE



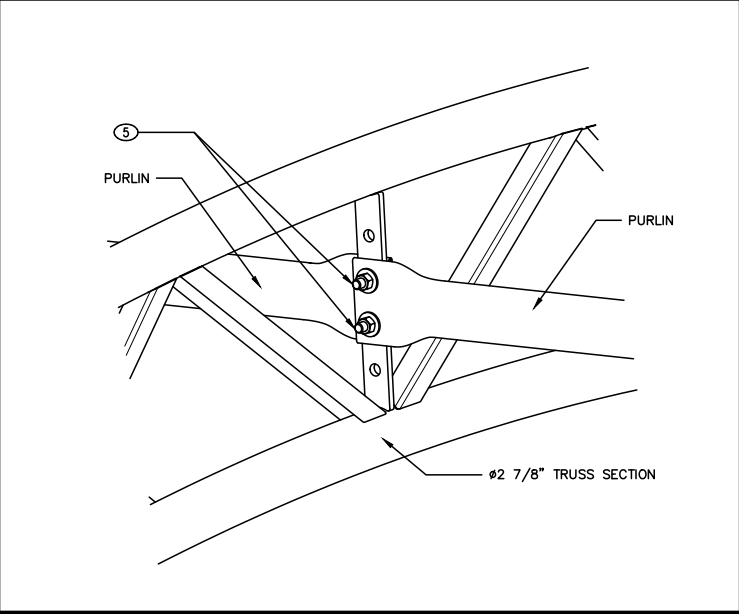
DETAIL H2 BRACED BAY TO UNBRACED BAY AT WELD IN WEB - TWO CABLES



DETAIL H3 BRACED BAY TO UNBRACED BAY AT BOLT IN WEB



DETAIL I1 UNBRACED TO UNBRACED BAY AT BOLT IN WEB



DETAIL I2 UNBRACED BAY TO UNBRACED BAY AT WELD IN WEB

HARDWARE SCHEDULE (AS OCCURS)

ITEM No.	DESCRIPTION	PART No.	ITEM No.	DESCRIPTION	PART No.
1	HEX BOLT 3/8 X 1-1/2	FA0029P	25	CARRIAGE BOLT 3/8 X 1-1/2	FC060150G5G
2	---	---	26	CARRIAGE BOLT 3/8 X 4	FA0103P
3	---	---	27	CARRIAGE BOLT 3/8 X 4-1/2	FA0102P
4	HEX BOLT 1/2 X 1-1/2	FA0011P	28	CARRIAGE BOLT 1/2 X 2	FA0146P
5	HEX BOLT 1/2 X 2-1/2	FA0151P	29	CARRIAGE BOLT 1/2 X 4-1/2	FA0138P
6	HEX BOLT 1/2 X 2-1/2 GR8	FA7021P	30	CARRIAGE BOLT 1/2 X 5	FA0127P
7	HEX BOLT 1/2 X 3-1/2	FA0006P	31	CARRIAGE BOLT 1/2 X 5-1/2	FA7010P
8	HEX BOLT 1/2 X 4	FA0009P	32	CARRIAGE BOLT 5/8 X 1-1/2	FA0142P
9	HEX BOLT 1/2 X 4-1/2	FA0076P	33	CARRIAGE BOLT 5/8 X 6	FA7017P
10	HEX BOLT 1/2 X 5	FA0010P	34	LAG BOLT 3/8 X 1-1/2	FA0030P
11	HEX BOLT 1/2 X 5-1/2	FA0080P	35	LAG BOLT 1/2 X 3-1/2	FA0007P
12	HEX BOLT 1/2 X 6-1/2	FH080650G5G	36	TEK SCREWS 1/4 X 1	FA2201P
13	HEX BOLT 1/2 X 7-1/2	FH080750G5G	37	TEK SCREWS 1/4 X 1-1/4 GASK	FA2204P
14	HEX BOLT 5/8 X 1-1/2	FA0059P	38	TEK SCREWS 1/4 X 1 WHITE	FA2202P
15	HEX BOLT 5/8 X 2	FA0061P	39	TEK SCREWS 12-24 X 1-1/4	FA0147P
16	HEX BOLT 5/8 X 2-1/2	FA0062P	40	TEK SCREWS 1/4 X 2-1/2	FA0089P
17	HEX BOLT 5/8 X 3	FA0063P	41	TEK SCREWS 1/4 X 1-1/2	FA2203P
18	HEX BOLT 5/8 X 4	FA0055P	42	THREADED ROD 5/8 X 5	FR100500G2G
19	HEX BOLT 5/8 X 5	FA0074P	43	CARRIAGE BOLT 5/8 X 2	FC100200G5G
20	HEX BOLT 5/8 X 6	FA7016P	44	HEX BOLT 1/2 X 1	FH080100G5G
21	HEX BOLT 3/4 X 3	FA0077P	45	LAG BOLT 3/4 X 3-1/2	FG120350G2G
22	HEX BOLT 3/4 X 5	FA6005P	48	BLIND BOLT 1/2	FA1053P
23	HEX BOLT 7/8 X 2-1/2	FA0120P	49	BLIND BOLT 5/16" X 2"	FA1054P
24	HEX BOLT 1-1/4 X 4-1/2	FA7015P	50	CONNECTION BY OTHERS	

NOTES: REFERENCE TO BOLTS AND/OR U-BOLTS INCLUDES ASSOCIATED NUT AND WASHER
ALWAYS INSTALL WASHER ON TURN SIDE OF BOLT - UNO

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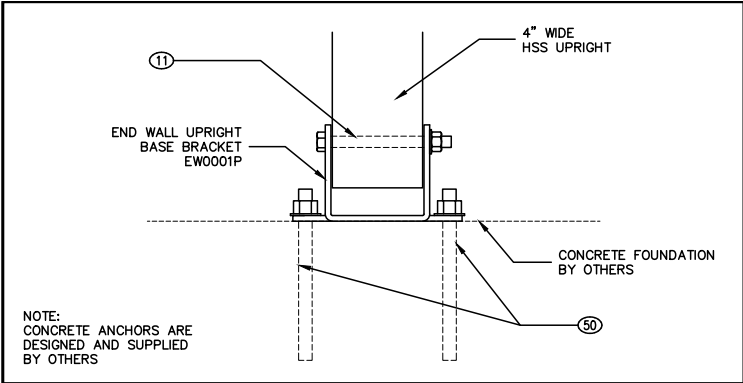
DETAILS
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DET2

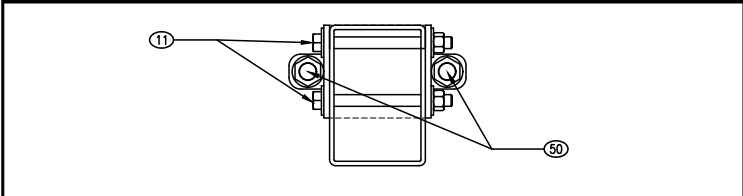
SHEET 9 OF 10



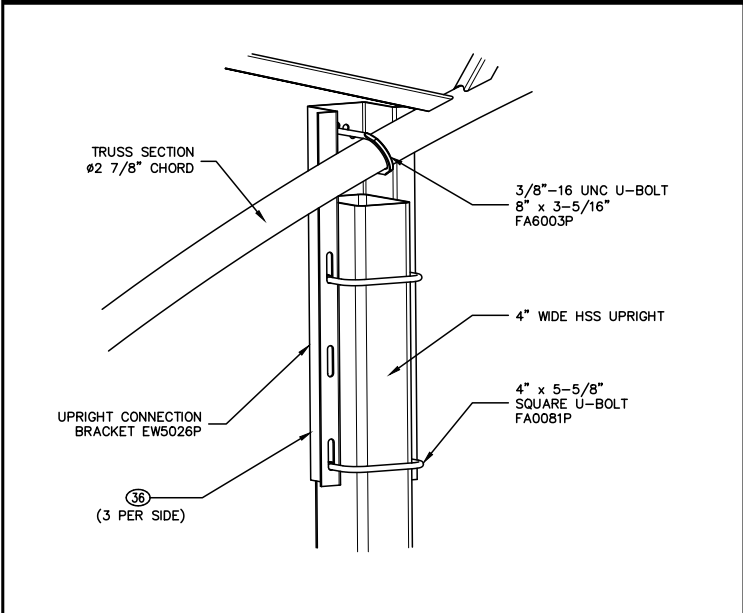
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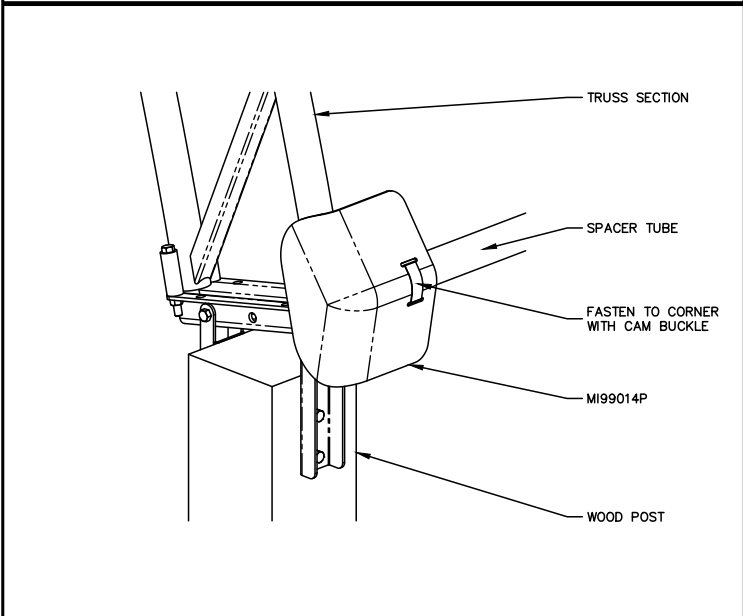
DETAIL J1 ENDWALL UPRIGHT BASE CONNECTION - 4"



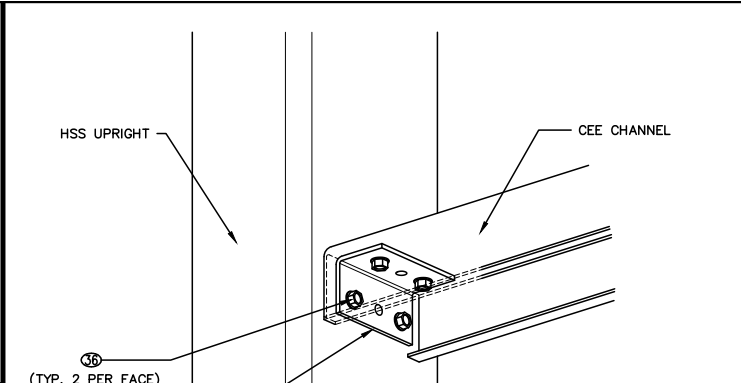
PLAN VIEW J1



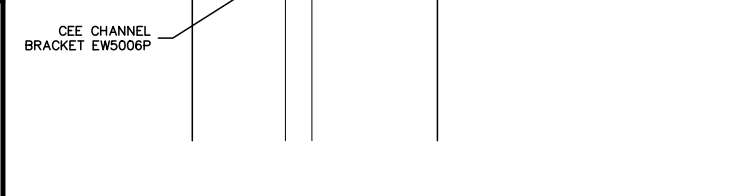
DETAIL L1 ENDWALL UPRIGHT CONNECTION AT TRUSS - 4X4 HSS



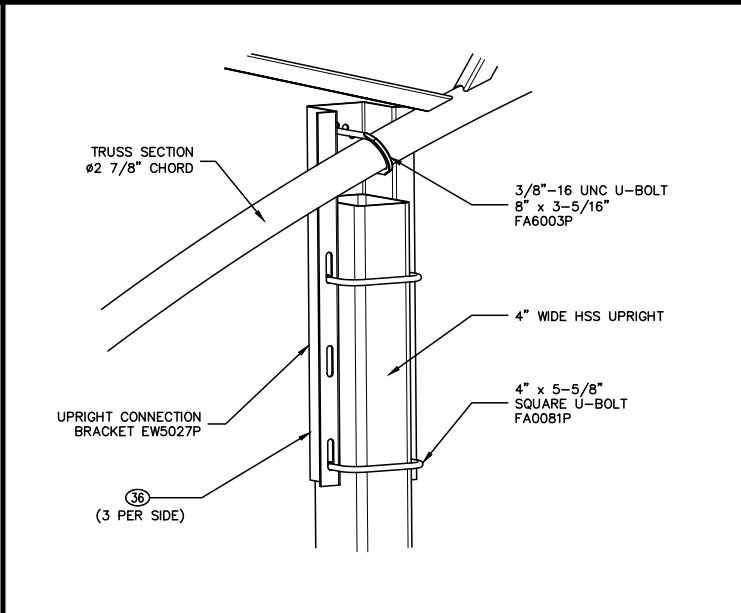
DETAIL Q1 - COVER GUARD - WOOD POSTS (END FRAMES ONLY)



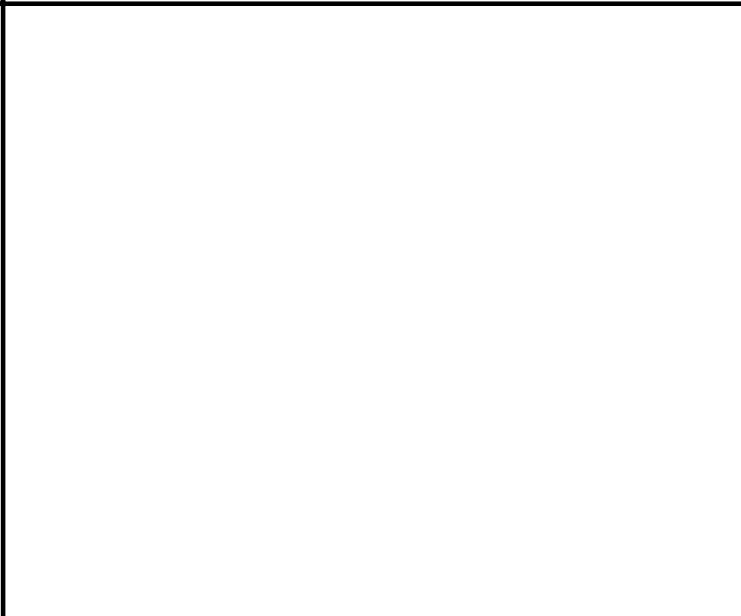
DETAIL J2 ENDWALL UPRIGHT TO CEE CHANNEL CONNECTION



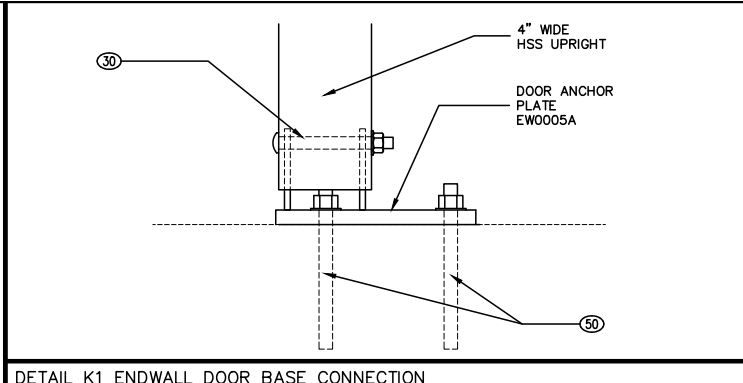
PLAN VIEW J2



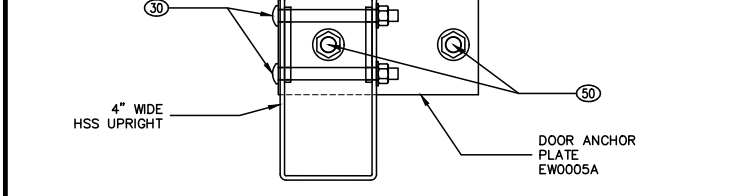
DETAIL L2 ENDWALL UPRIGHT CONNECTION AT TRUSS - 4X6 HSS



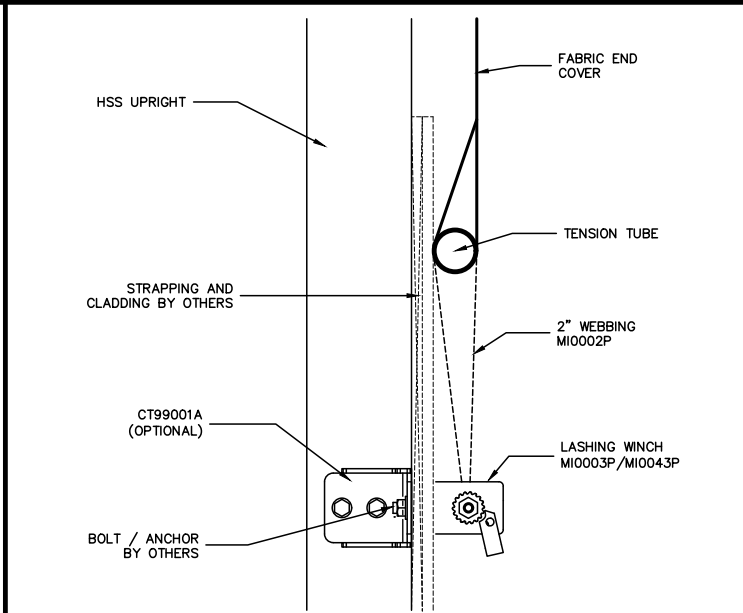
DETAIL P1 END WALL FABRIC ON HSS WITH CLADDING BY OTHERS



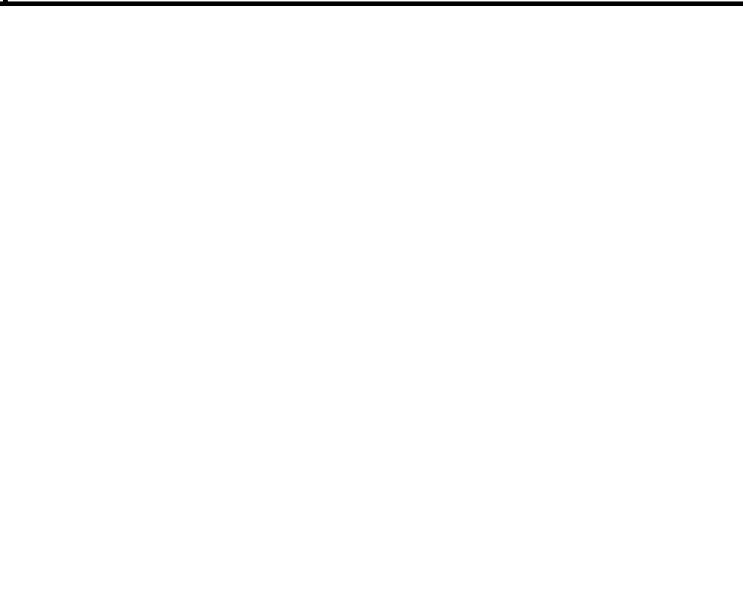
DETAIL K1 ENDWALL DOOR BASE CONNECTION



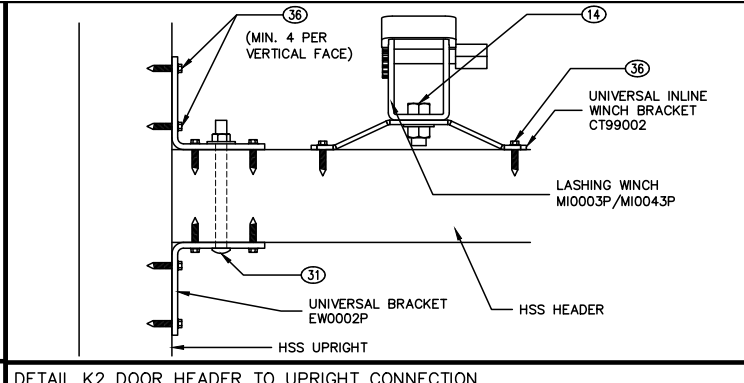
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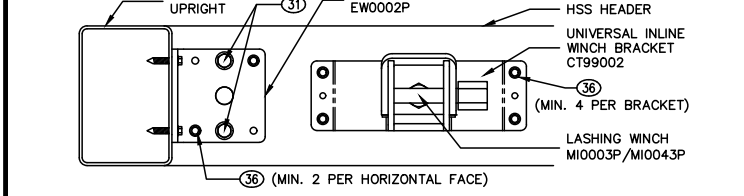
DETAIL K2 DOOR HEADER TO UPRIGHT CONNECTION



PLAN VIEW K2



DETAIL K2 DOOR HEADER TO UPRIGHT CONNECTION



PLAN VIEW K2

HARDWARE SCHEDULE (AS OCCURS)					
ITEM No.	DESCRIPTION	PART No.	ITEM No.	DESCRIPTION	PART No.
1	HEX BOLT 3/8 X 1-1/2	FA0029P	25	CARRIAGE BOLT 3/8 X 1-1/2	FC060150G5G
2	---	---	26	CARRIAGE BOLT 3/8 X 4	FA0103P
3	---	---	27	CARRIAGE BOLT 3/8 X 4-1/2	FA0102P
4	HEX BOLT 1/2 X 1-1/2	FA0011P	28	CARRIAGE BOLT 1/2 X 2	FA0146P
5	HEX BOLT 1/2 X 2-1/2	FA0151P	29	CARRIAGE BOLT 1/2 X 4-1/2	FA0138P
6	HEX BOLT 1/2 X 2-1/2 GR8	FA7021P	30	CARRIAGE BOLT 1/2 X 5	FA0127P
7	HEX BOLT 1/2 X 3-1/2	FA0006P	31	CARRIAGE BOLT 1/2 X 5-1/2	FA7010P
8	HEX BOLT 1/2 X 4	FA0009P	32	CARRIAGE BOLT 5/8 X 1-1/2	FA0142P
9	HEX BOLT 1/2 X 4-1/2	FA0076P	33	CARRIAGE BOLT 5/8 X 6	FA7017P
10	HEX BOLT 1/2 X 5	FA0010P	34	LAG BOLT 3/8 X 1-1/2	FA0030P
11	HEX BOLT 1/2 X 5-1/2	FA0080P	35	LAG BOLT 1/2 X 3-1/2	FA0007P
12	HEX BOLT 1/2 X 6-1/2	FH080650G5G	36	TEK SCREWS 1/4 X 1	FA2201P
13	HEX BOLT 1/2 X 7-1/2	FH080750G5G	37	TEK SCREWS 1/4 X 1-1/4 GASK	FA2204P
14	HEX BOLT 5/8 X 1-1/2	FA0059P	38	TEK SCREWS 1/4 X 1 WHITE	FA2202P
15	HEX BOLT 5/8 X 2	FA0061P	39	TEK SCREWS 12-24 X 1-1/4	FA0147P
16	HEX BOLT 5/8 X 2-1/2	FA0062P	40	TEK SCREWS 1/4 X 2-1/2	FA0089P
17	HEX BOLT 5/8 X 3	FA0063P	41	TEK SCREWS 1/4 X 1-1/2	FA2203P
18	HEX BOLT 5/8 X 4	FA0055P	42	THREADED ROD 5/8 X 5	FR100500G2G
19	HEX BOLT 5/8 X 5	FA0074P	43	CARRIAGE BOLT 5/8 X 2	FC100200G5G
20	HEX BOLT 5/8 X 6	FA7016P	44	HEX BOLT 1/2 X 1	FH080100G5G
21	HEX BOLT 3/4 X 3	FA0077P	45	LAG BOLT 3/4 X 3-1/2	FG120350G2G
22	HEX BOLT 3/4 X 5	FA6005P	48	BLIND BOLT 1/2	FA1053P
23	HEX BOLT 7/8 X 2-1/2	FA0120P	49	BLIND BOLT 5/16" X 2"	FA1054P
24	HEX BOLT 1-1/4 X 4-1/2	FA7015P	50	CONNECTION BY OTHERS	

NOTES: REFERENCE TO BOLTS AND/OR U-BOLTS INCLUDES ASSOCIATED NUT AND WASHER ALWAYS INSTALL WASHER ON TURN SIDE OF BOLT - UNO

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NAME DATE
R D B 25/02/2020
CHECKED A G B 25/02/2020

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DETAILS
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DET3
SCALE: N T S SHEET 10 OF 10