TOWN OF EAST HARTFORD
PLANNING & ZONING COMMISSION
APPLICATION FORM

DATE: Dec. 5, 2017

Official Receipt Date: ___/___/___

1. APPLICATION TYPE: (CHECK ALL THAT APPLY) *COMPLETE SECTION ON PAGE 2 OR 3

- ☐ SITE PLAN APPLICATION
- ☑ SITE PLAN MODIFICATION
- ☐ FLOOD HAZARD – MAJOR*
- ☐ FLOOD HAZARD – MINOR*
- ☐ NATURAL RESOURCES REMOVAL AND FILLING
- ☐ SPECIAL USE PERMIT*
- ☐ ZONING MAP CHANGE*
- ☐ TEXT AMENDMENT*
- ☐ SOIL EROSION AND SEDIMENTATION - Cumulative disturbed area (sq. ft.): _____

2. SITE AND PROJECT INFORMATION

PROPERTY ADDRESS: 164 School Street ZONE: I-3 Industrial

ASSESSORS MAP AND LOT: Map 37/ Lot 245 PARCEL SIZE (ACRES OR SQ. FT.): 21.195 Ac.

PROJECT NAME: United Steel Convyer Cover

PROJECT DESCRIPTION (ATTACH ADDITIONAL SHEETS IF NEEDED):

Install a 3,400 SF fabric structure over existing conveyors and on an existing concrete pad

3. PROPERTY OWNER INFORMATION ☒ CHECK IF PRIMARY CONTACT

OWNER OF RECORD: Corneau Limited Partnership

OWNER ADDRESS: 164 School Street, East Hartford, CT 06108

OWNER PHONE: 860-289-2323 OWNER EMAIL: ebabineau@unitedbuildingsolution.com

OWNER SIGNATURE: _____ PRINT NAME: KEL CORNEAU

The undersigned owner hereby authorizes: **(1)** this application, and **(2)** the Planning and Zoning Commission and Town of East Hartford staff the right to enter upon the property for the purposes of inspection associated with this application.

4. APPLICANT INFORMATION ☐ CHECK IF PRIMARY CONTACT

☑ CHECK IF APPLICANT IS SAME AS PROPERTY OWNER

APPLICANT: _____

APPLICANT ADDRESS: _____

APPLICANT PHONE: _____ APPLICANT EMAIL: _____

APPLICANT SIGNATURE: _____ PRINT NAME: _____

5. DESIGN PROFESSIONAL INFORMATION ☐ CHECK IF PRIMARY CONTACT

FIRM: _____ PHONE: _____

CONTACT PERSON: _____ EMAIL: _____

CODE DATA:

Connecticut State Building Code Oct. 1, 2016

2012 International Building Code
2012 International Mechanical Code
2012 International Plumbing Code
2012 International Energy Conversation Code
ICC / ANSI A117.1-2009 Accessible and Usable Building and Facilities
2014 National Electrical Code (NFPA-70)
CT. Amendments to the Above
CSFSC - Connecticut State Fire Safety Code
NFPA-1 & 2012 CT. Fire Code

Building Design Information: Existing and New Construction

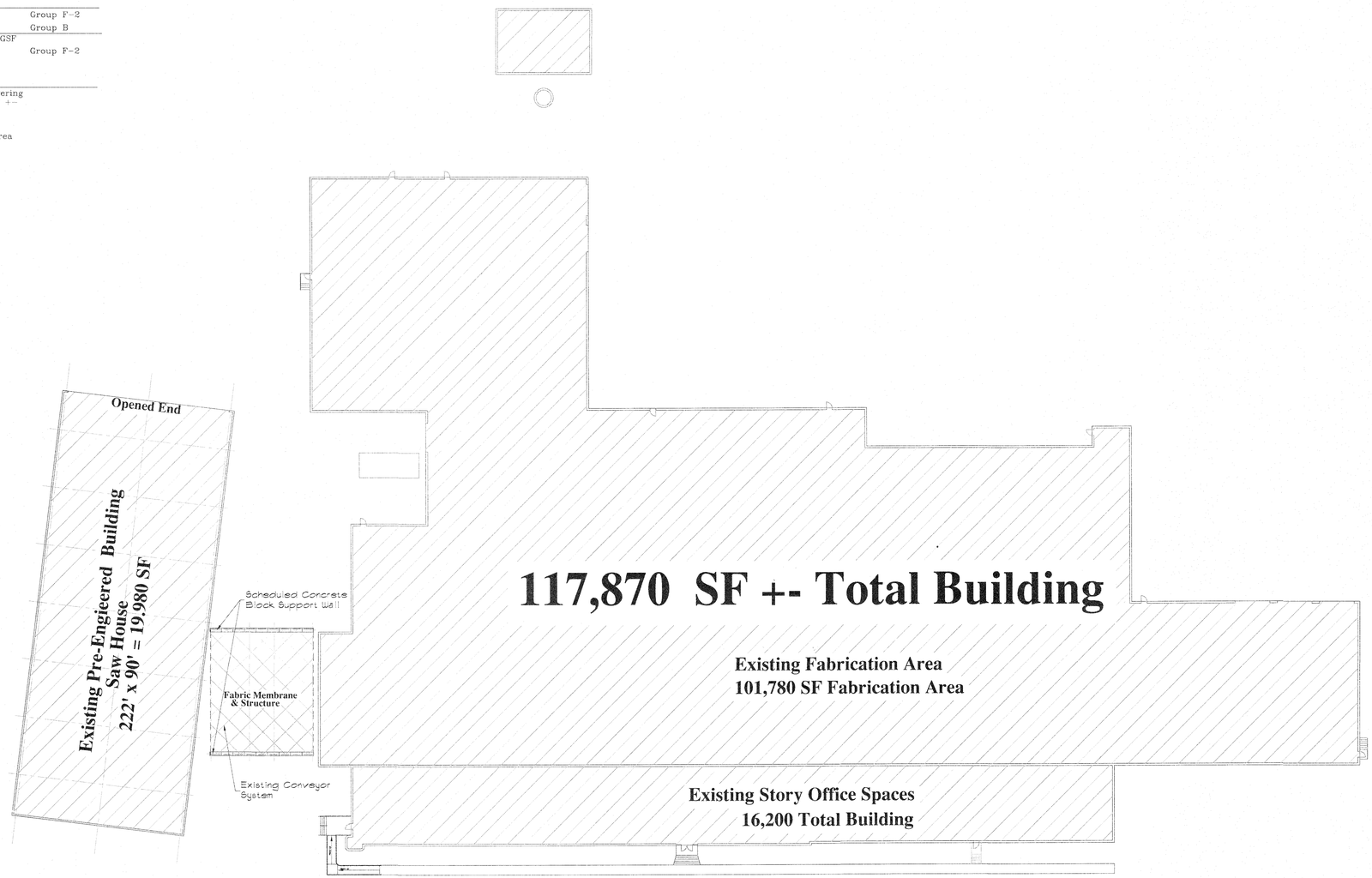
Existing Building:

Fabrication Area:	IIB Construction - Fully sprinkled	101,670	Group F-2
Office Area	IIB Construction- Fully Sprinkles	16,200	Group B
		117,870 GSF	
Saw House	IIB Metal Building 222' x 90' = Non Sprinkled	19,980	Group F-2

New Construction

Fabric Roof Structure: Metal Frame Supported Membrane Covering
Approx.: 64'-3" C/C x 54' 5,577.5 SF +-

Waiver Modification:
M-1095-17 (164 School Street, East Hartford)
Allowed expansion of business under Accessory Occupancy Area



Fabric Membrane Addition Plan

Review and Coordinate Design information with:
Membrane Fabric materials and test data, including metal support information

United Steel, Inc. Fabrication and Erection

164 School Street East Hartford, CT.

This building Layout is developed from:
Previous Site and Building Plans
Limited field verification
& Data provided by the owner.
All information to be Field Verified.

Revisions: Date:

United Steel, Inc.
Conveyor Cover
164 School Street, East Hartford, CT.

General Building Data

Code Information
Waiver M-1098-17

PROJECT NO.:

SCALE: **AS NOTED**
DRAWN BY:
CHECKED BY:
DATE: **Nov. 7, 2017**

G-1
SHEET _ OF _

36"X24"

MELODY A. CURREY
MAYOR

DEVELOPMENT DEPARTMENT

TOWN OF EAST HARTFORD
740 Main Street
East Hartford, Connecticut 06108

(860) 291-7300
FAX (860) 291-7298

June 13, 2008

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Galen Semprebon
Design Professionals
P.O. Box 1167
425 Sullivan Ave.
South Windsor, CT 06074

RE: Town Planning and Zoning Commission
164 School Street
East Hartford, CT

Dear Mr. Semprebon:

This letter is to notify you of the results of the Town Planning and Zoning Commission's meeting on June 11, 2008 regarding the following:

SOIL-EROSION AND SEDIMENTATION CONTROL APPLICATION – 164 School Street – 16,975 square foot addition to existing industrial building – United Steel, Inc.
Applicant: Corneau Limited Partnership
(Postponed from May 14, 2008)

Please be advised that the Commission ***Voted (7-0)*** to ***Approve*** the above Soil-Erosion and Sedimentation Control Application with the following conditions:

1. In evaluating this application, the Planning and Zoning Commission has relied upon information provided by the applicant and, if such information subsequently proves to be false, deceptive, incomplete, and/or inaccurate, this permit shall be modified suspended or revoked.
2. Final plans are to be signed and stamped (ink and impression) by the Professional Engineer and Land Surveyor.
3. Provide separate plans for each application – label accordingly

Please contact me at (860) 291-7301 if you should have any questions.

Sincerely,

Michael J. Dayton
Town Planner

cc: Corneau Limited Partnership

MELODY A. CURREY
MAYOR

DEVELOPMENT DEPARTMENT

TOWN OF EAST HARTFORD
740 Main Street
East Hartford, Connecticut 06108

(860) 291-7300
FAX (860) 291-7298

June 13, 2008

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Galen Semprebon
Design Professionals
P.O. Box 1167
425 Sullivan Ave.
South Windsor, CT 06074

RE: Town Planning and Zoning Commission
164 School Street
East Hartford, CT

Dear Mr. Semprebon:

This letter is to notify you of the results of the Town Planning and Zoning Commission's meeting on June 11, 2008 regarding the following:

SITE PLAN APPLICATION – 164 School Street – Construction of a 16,975 square foot addition to existing industrial building – United Steel, Inc.
Applicant: Corneau Limited Partnership
(Postponed from May 14, 2008)

Please be advised that the Commission ***Voted (7-0)*** to ***Approve*** the above Site Plan Application with the following conditions:

1. In evaluating this application, the Planning and Zoning Commission has relied upon information provided by the applicant and, if such information subsequently proves to be false, deceptive, incomplete, and/or inaccurate, this permit shall be modified suspended or revoked.
2. Final plans are to be signed and stamped (ink and impression) by the Professional Engineer and Land Surveyor.
3. Provide separate plans for each application – label accordingly
4. Provide lines and labels for relocation of the existing gas main/meter located in the vicinity of the proposed elevated concrete pad.
5. Site Plan Modification Bond set in the amount of $36,775.00.

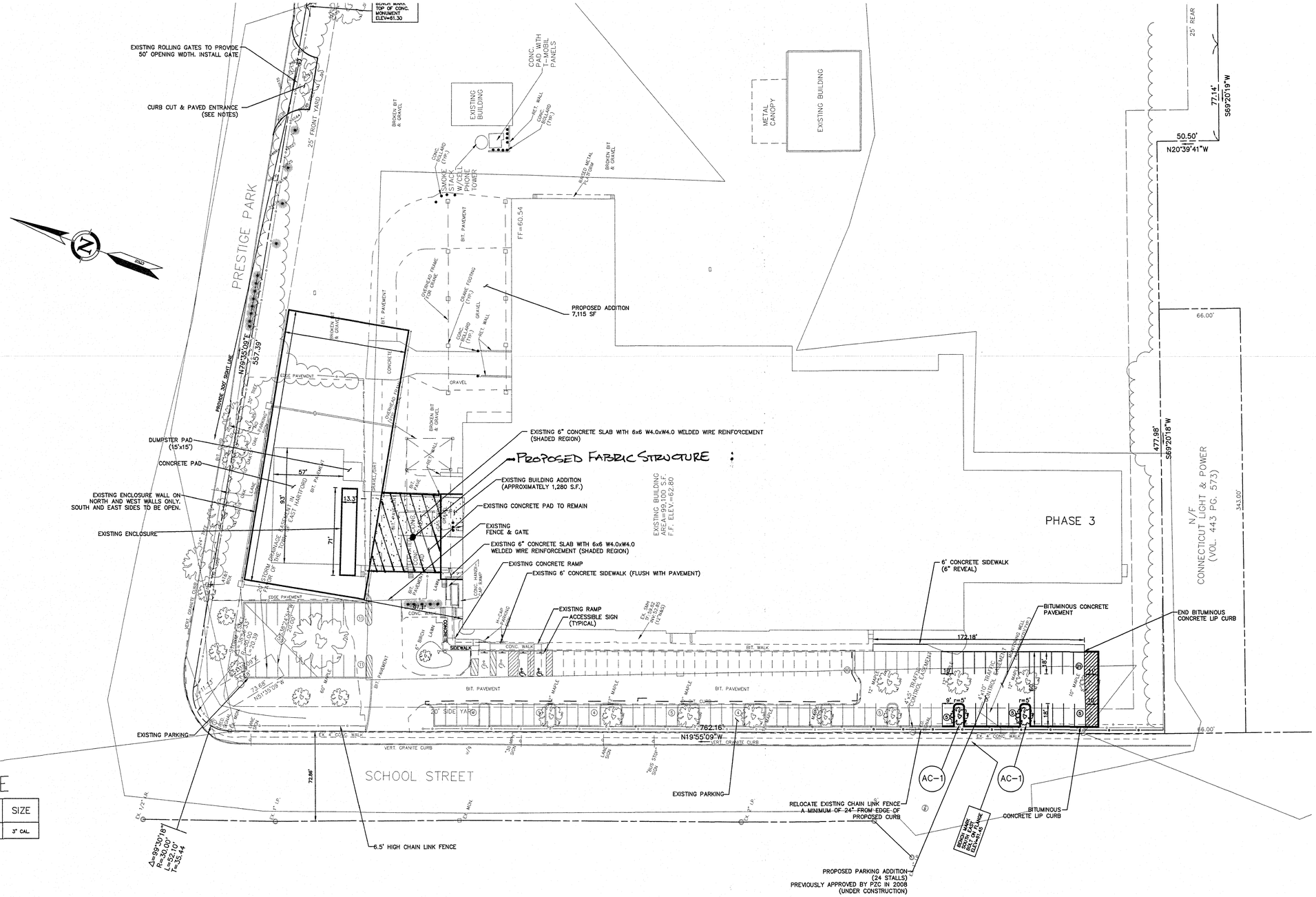
Please contact me at (860) 291-7301 if you should have any questions

Sincerely,

Michael J. Dayton
Town Planner

Enclosure

cc: Corneau Limited Partnership



LANDSCAPE TABLE

SCIENTIFIC NAME	COMMON NAME	KEY	QTY	SIZE
ACER X. FREEMANI "JEFFERS RED"	AUTUMN BLAZE MAPLE	AC	2	3" CAL.

TOWN OF EAST HARTFORD
PLANNING AND ZONING COMMISSION
SITE PLAN CERTIFICATE
OF APPROVAL

APPROVAL DATE _____

EXPIRATION DATE _____

_____ CHAIRMAN

NO.	DATE	DESCRIPTION	BY
8	11-11-15	SITE PLAN MODIFICATION	RMM
7	1-25-13	SITE PLAN MODIFICATION	AK
6	9-11-08	DRAINAGE	CJC
5	7-7-08	ADD NOTE PER TOWN COMMENTS	CJC
4	6-25-08	ADD APPROVAL LETTERS	BMB
3	6-3-08	PER TOWN COMMENTS	BMB
2	5-19-08	PER TOWN COMMENTS	JAS
1	4/11/08	TOWN COMMENTS	GBS

REVISIONS

1. UNLESS OTHERWISE NOTED, EXISTING UTILITY LOCATIONS AS SHOWN, ARE BASED ON AVAILABLE INFORMATION. ALL EXISTING UTILITIES SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
2. ALL UTILITIES ARE TO BE STAKED IN THE FIELD BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION.
3. THIS PLAN IS INVALID UNLESS IT BEARS THE IMPRESSION SEAL AND ORIGINAL SIGNATURE OF THE PROFESSIONAL ENGINEER/SURVEYOR.

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 inch = 40 ft.

OWNER/APPLICANT:
CORNEAU LIMITED PARTNERSHIP
164 SCHOOL STREET
EAST HARTFORD, CT 06108
(860) 289-2323

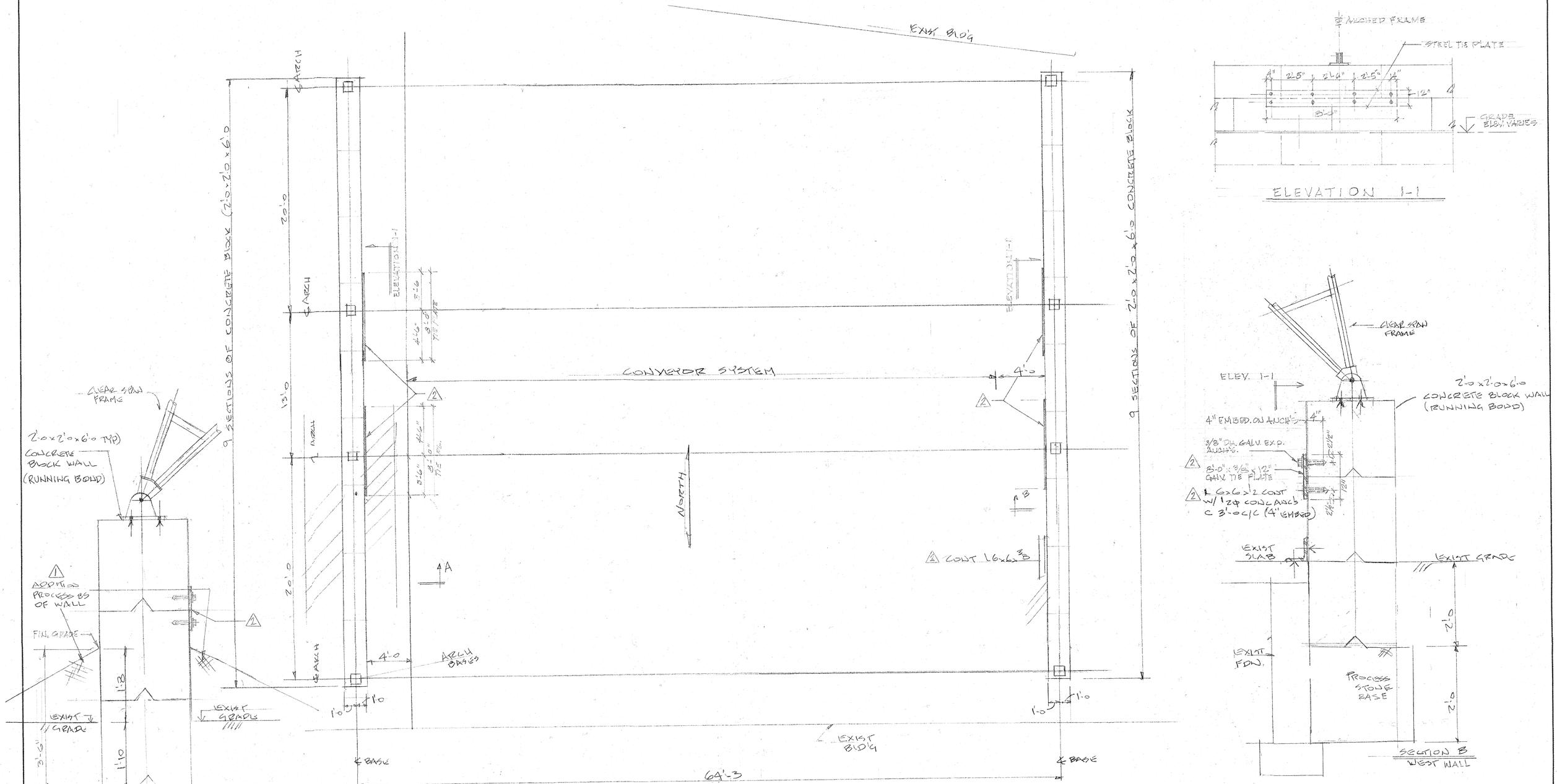
design professionals
civil & traffic engineers · surveyors
landscape architects · planners · gis · gps
425 Sullivan Avenue, PO Box 1167, South Windsor, Connecticut 06074
Tel. 860·291·8755
Fax 860·291·8757

OVERALL PLANIMETRIC PLAN

DESIGN: GBS | DRAWN: SJD | CHECKED: GBS
JOB NO.: 1257 | DATE: 2/4/08
DRAWING NO.: jobs/1257/1257_planimetric.dwg

UNITED STEEL, INC.
164 SCHOOL STREET
EAST HARTFORD CT

SHEET
0P1



NOTES

CONC. WALL UNITS 4,500 PSI MIN.
DESIGN SOIL BEAR. VALUE 4,000 P.S.F.
STRUCT. STEEL PLATE - A-36

REF DWGS:

DWG. ISSUE		REVISIONS		
DATE	PURPOSE	NO.	DATE	DESCRIPTION
11-2-17		1	11-2-17	ADD FILL
11-2-17		2	11-2-17	ADD STEEL TIE PLATE & STEEL ANGLE

UNITED STEEL
STRUCTURAL STEEL MISCELLANEOUS METALS
FABRICATORS ERECTORS
164 SCHOOL STREET
EAST HARTFORD CT, 06108
(860) 289-2323
FAX (860) 289-6550
www.unitedsteel.com

BOLTS (UNO)	HOLES (UNO)	WF STEEL (ASTM)	HSS (ASTM)	PARTS (ASTM)
3/4ϕ A325N	13/16ϕ	A572 Gr 50 OR A992	A500B	A36

FINISH: | SURFACE PREP | DRY FILM THICKNESS ____ MILS

CUSTOMER | ⊕ = REF. POINT FOR RD'S | ⊠ = PAINT STRIPE | WELD E70XX LH

PROJECT: CONVEYOR COVER FDN

ADDRESS:

DRAWN BY: JDK DATE 10/24/17 | CHECKED BY: PA DATE

JOB NO. USI 814 | SHEET NO. FD100

Per AISC Steel Construction Manual 13th Edition 16.3.3 Commentary:
While it is the Fabricator's responsibility to report any discrepancies that are discovered in the Contract Documents, it is not the Fabricator's responsibility to discover discrepancies, including those that are associated with the coordination of the various design disciplines. The quality of the Contract Documents is the responsibility of the entities that produce those documents.

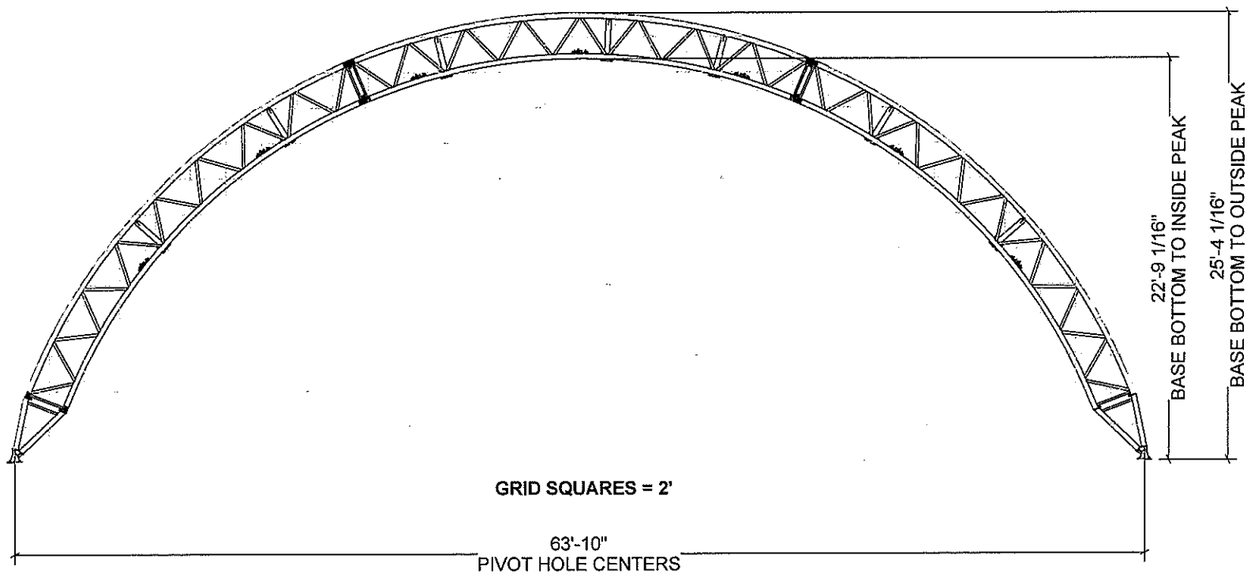
AISC CERTIFIED FABRICATOR AND ERECTOR

ADDITIONAL INFORMATION

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

TO BEST UNDERSTAND HOW TO CONSTRUCT THIS BUILDING, THE INFORMATION CONTAINED WITHIN THESE SHEETS SHALL BE USED WITH THE INSTRUCTION MANUAL SHIPPED WITH THE BUILDING.

THE INSTRUCTIONS INCLUDE DETAILS NEEDED DURING CONSTRUCTION.



T06506020F	65W X 060L RD HD FREESTANDING
T06508020F	65W X 080L RD HD FREESTANDING
T06510020F	65W X 100L RD HD FREESTANDING
T06512020F	65W X 120L RD HD FREESTANDING
T06514020F	65W X 140L RD HD FREESTANDING
T06516020F	65W X 160L RD HD FREESTANDING
T06516020F	65W X 180L RD HD FREESTANDING
T06520020F	65W X 200L RD HD FREESTANDING

BUILDING CONTENT GUIDE:

DEVELOPED BY
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A DIVISION OF ENGINEERING SERVICES & PRODUCTS CO.
1440 18TH AVENUE SW
DYERSVILLE, IA 52040
P: 563.875.6113
F: 563.875.2917
WWW.ESAPCO.COM

ORDER #: --

CUSTOMER #: --

STRUCTURE SKU #: --

STRUCTURE SIZE: --

STRUCTURE DESCRIPTION: --

CUSTOMER INFORMATION: --

CONTACT PHONE: --

CUSTOMER CONTACT: --

SHEET TITLE: COVER SHEET

DRAWING DETAILS	
DRAWN BY: SMN	CREATION DATE: 2/13/2015

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

TEMPLATE REV 1

SHEET: A1

GENERAL NOTES:

FOUNDATION:

1. FOUNDATION AND ANCHORING ARE NOT ADDRESSED BY THESE DRAWINGS.

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

SITE CONDITIONS:

1. NEITHER CLEARSPAN NOR THE BUILDING DESIGNER HAVE VISITED THIS JOBSITE. INFORMATION CONTAINED HEREIN IS BASED ON CLIENT SUPPLIED DATA AND MEASUREMENTS.

STEEL:

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.

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 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, OR THE FULL EFFORT OF A MAN 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."

CABLES AND HARDWARE:

1. ALL CABLE SHALL BE GALVANIZED STEEL, MULTIPURPOSE, 7X19 (UP TO 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.

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.

BOX BOLT HOLE SIZES & INSTALLATION TORQUE[1]

BOX BOLT DIA.	HOLE DIA.	INSTALLATION TORQUE
1/4"	1/2"	14 FT-LB
5/16"	5/8"	18 FT-LB
3/8"	3/4"	33 FT-LB
1/2"	13/16"	59 FT-LB
5/8"	1-1/8"	140 FT-LB
3/4"	1-3/8"	221 FT-LB

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

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WWW.ESAPCO.COM

ORDER #: --

CUSTOMER #: --

STRUCTURE SKU #: 1

STRUCTURE SIZE: 1

STRUCTURE DESCRIPTION: 1

CUSTOMER INFORMATION: 1 1 1

CONTACT PHONE: 1

CUSTOMER CONTACT: 1

SHEET TITLE: GENERAL NOTES

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
SMN	2/13/2015

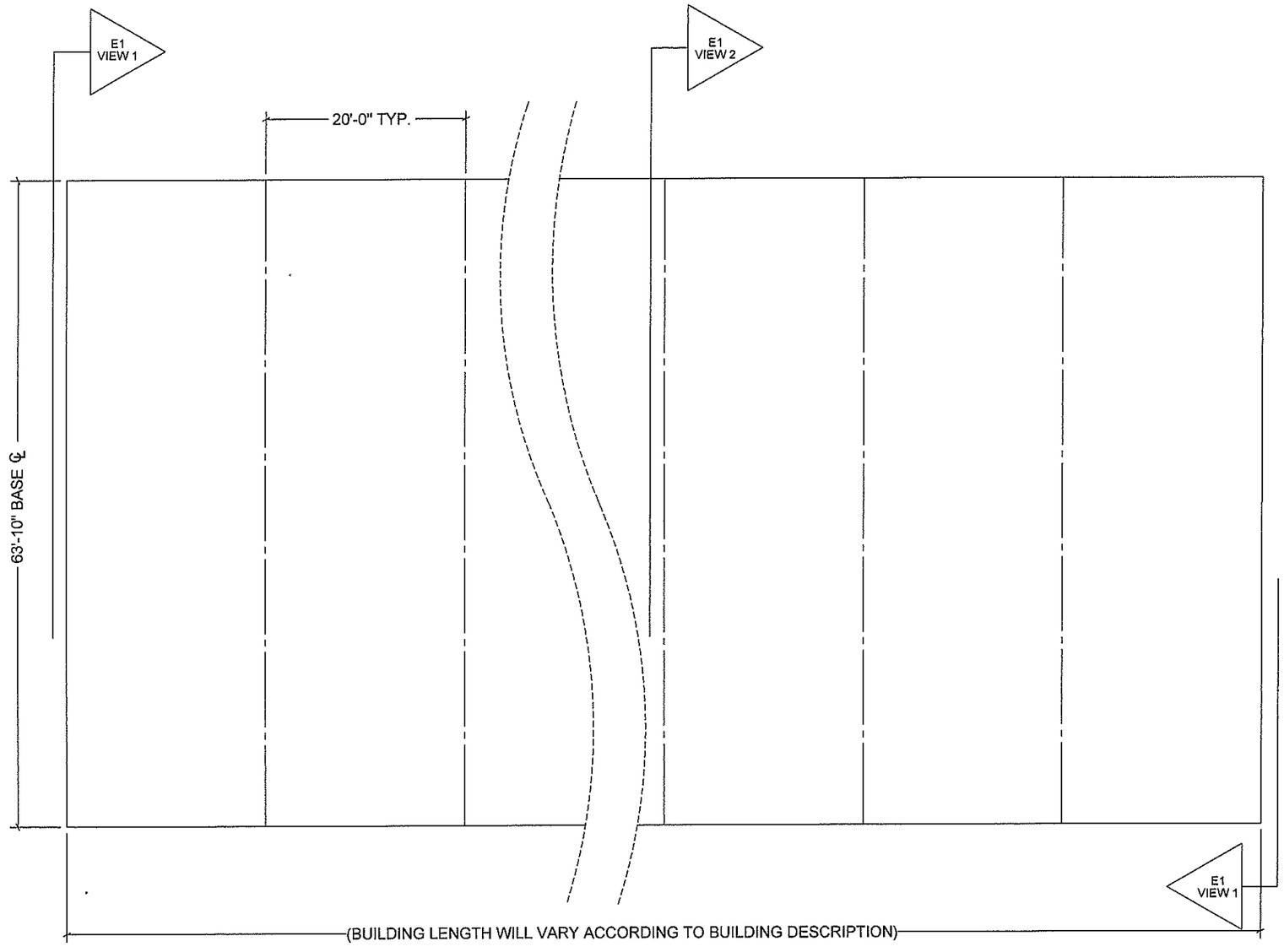
REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET: B1

LEFT SIDE - SEE SHEET [F1] FOR ELEVATION VIEW



RIGHT SIDE - SEE SHEET [F1] FOR ELEVATION VIEW

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ORDER #:
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CUSTOMER #:
--

STRUCTURE SKU #:
--

STRUCTURE SIZE:
--

STRUCTURE DESCRIPTION:
--

CUSTOMER INFORMATION:
--

CONTACT PHONE:
--

CUSTOMER CONTACT:
--

SHEET TITLE:
BUILDING PLAN VIEW

DRAWING DETAILS	
DRAWN BY: SMN	CREATION DATE: 2/13/2015

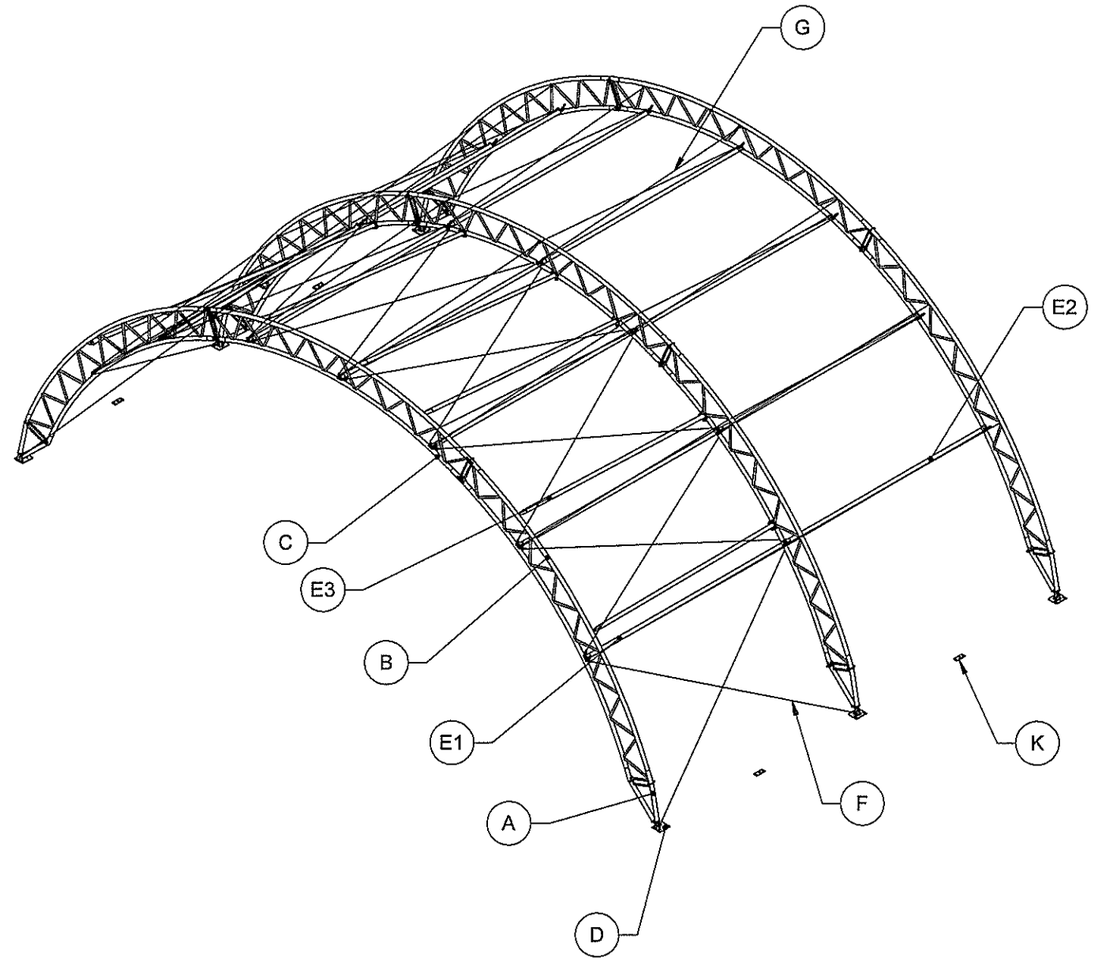
REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET:
C1

ITEM	DESCRIPTION	MATERIAL
A	SUPPORT BASE	
	OUTER CHORD	GALV. RND. STEEL TUBE - ∅ 3.5" - 14 GA
	INNER CHORD	GALV. RND. STEEL TUBE - ∅ 3.5" - 14 GA
	WEB (STRAIGHT)	GALV. RND. STEEL TUBE - ∅ 1.25" - 14 GA
	CONNECTION PLATES	STEEL PLATE, 1/2" THICK
	GUSSETS	STEEL PLATE, 3/8" THICK
	PIVOT PLATE (CHORD)	STEEL PLATE, 3/8" THICK
	PIVOT PLATE (ROUND)	STEEL PLATE, 1/2" THICK
B&C	SEGMENT	
	OUTER CHORD	GALV. RND. STEEL TUBE - ∅ 3.5" - 11 GA
	INNER CHORD	GALV. RND. STEEL TUBE - ∅ 3.5" - 11 GA
	WEB (STRAIGHT)	GALV. RND. STEEL TUBE - ∅ 1.25" - 14 GA
	WEB (ANGLED)	GALV. RND. STEEL TUBE - ∅ 1.66" - 14 GA
	CONNECTION PLATES	STEEL PLATE, 1/2" THICK
	GUSSETS	STEEL PLATE, 3/8" THICK
D	BASES	
	HORIZONTAL	STEEL PLATE, 1/2" THICK
	VERTICAL (ROUNDED)	STEEL PLATE, 3/8" THICK
	THREADED STUD	CFL FULLY THREADED STUD - 1/2"-13 X 1"
	GUSSETS	STEEL PLATE, 3/8" THICK
E	BRACING	
E1	LATERAL BRACING (END)	GALV. RND. STEEL TUBE - ∅ 3.5" - 14 GA
E2	LATERAL BRACING (MID)	GALV. RND. STEEL TUBE - ∅ 3.5" - 14 GA
E3	ANGLED BRACE	GALV. RND. STEEL TUBE - ∅ 3.5" - 14 GA
	THREADED STUD PLATE	1/4" PLATE W/ 1/2" X 2" STUDS
F	CABLE ASSEMBLY	SEE SHEET G3
	CABLE CONNECTION PLATE	STEEL PLATE, 5/16" THICK
G	SWAY CABLE ASSEMBLY	SEE SHEET G3
	CABLE CONNECTION PLATE	STEEL PLATE, 1/8" THICK
H	BRACE PLATES	
	SUPPORT BASE TO SEGMENT	STEEL PLATE, 1/8" THICK
	SEGMENT TO SEGMENT	STEEL PLATE, 1/8" THICK
J	WINCH ASSEMBLY	
	WINCH	2" LASHING WINCH (10,000 LBS. STRENGTH)
	STRAP	2" STRAP (10,000 LBS. STRENGTH)
K	WINCH PLATE (OPTIONAL)	
	HORIZONTAL	STEEL PLATE, 1/2" THICK
	THREADED STUDS	CFL FULLY THREADED STUD - 1/2"-13 X 1"



NOTE: THIS VIEW IS GENERIC TO ILLUSTRATE LOCATIONS OF ITEMS IN THE TABLE ONLY. CABLE PATTERN AND/OR OTHER DETAILS MAY NOT FULLY MATCH THE SPECIFICS FOR THIS PROJECT. SEE OTHER SHEETS FOR ORDER-SPECIFIC DETAILS.

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WWW.ESAPDO.COM

ORDER #: --

CUSTOMER #: --

STRUCTURE SKU #: :

STRUCTURE SIZE: :

STRUCTURE DESCRIPTION: :

CUSTOMER INFORMATION: : : :

CONTACT PHONE: :

CUSTOMER CONTACT: :

SHEET TITLE: **MATERIAL SPECIFICATIONS**

DRAWING DETAILS	
DRAWN BY: SMN	CREATION DATE: 2/13/2015

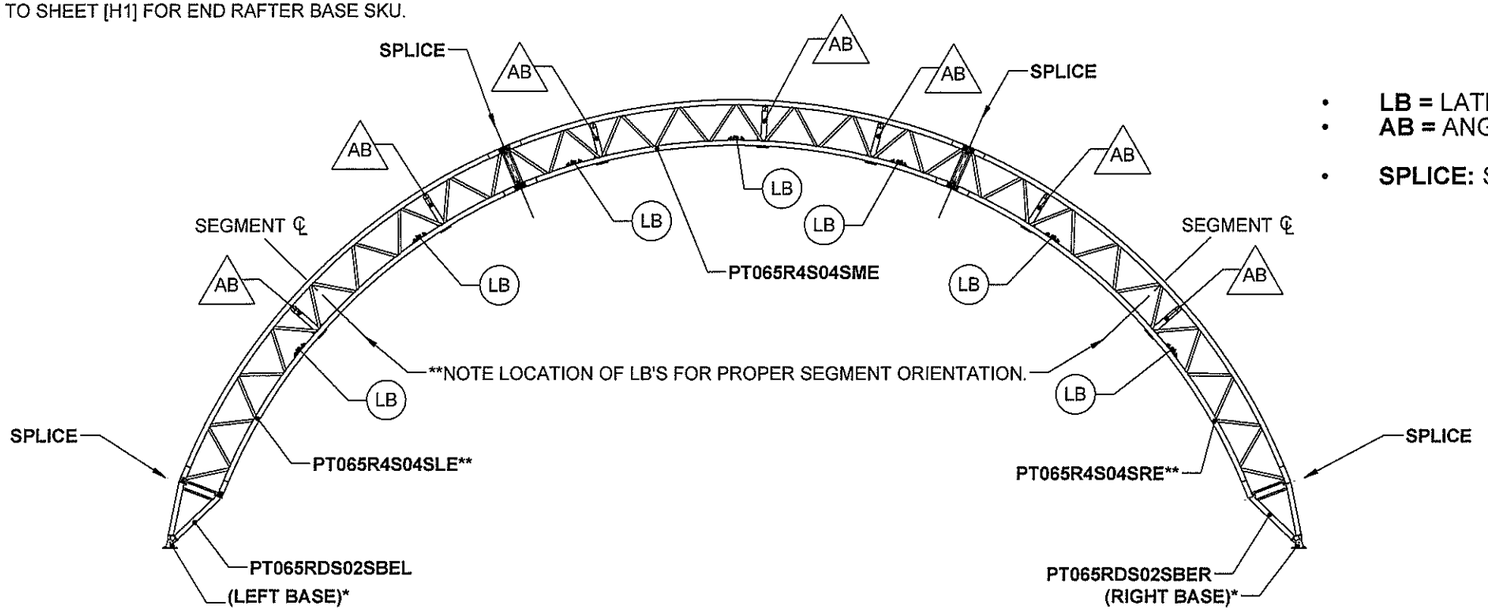
REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET: **D1**

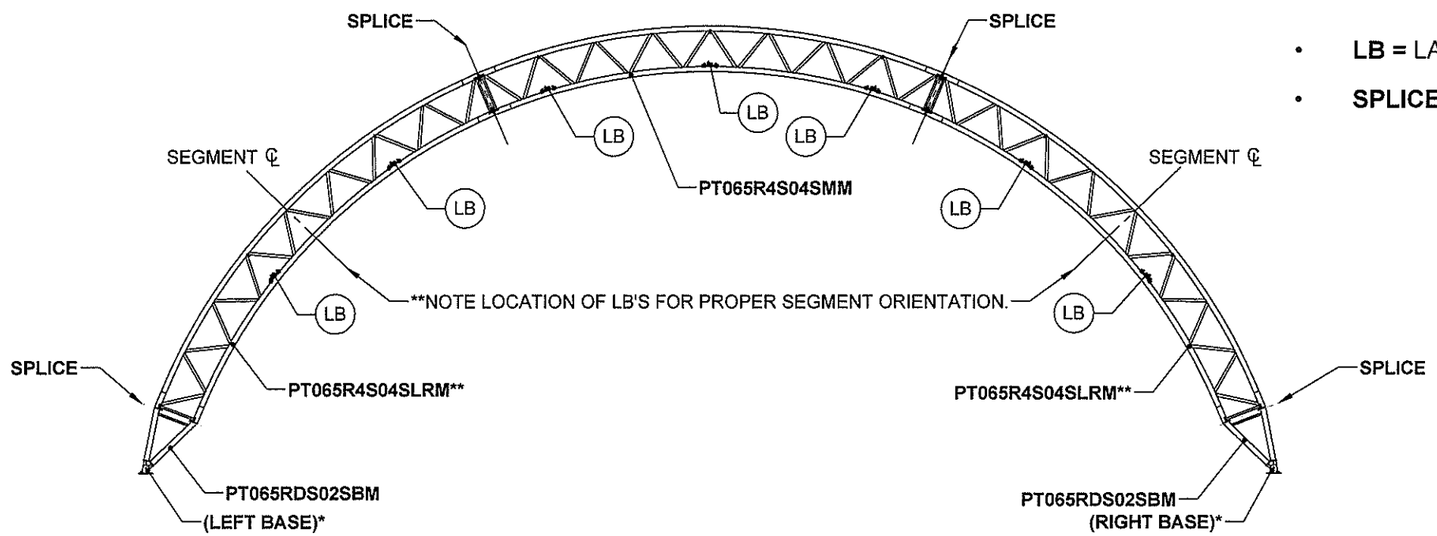
*NOTE: REFER TO SHEET [H1] FOR END RAFTER BASE SKU.



- **LB =** LATERAL BRACE (SKU: **LB35G14STL240**)
- **AB =** ANGLED BRACE (SKU: **AB35G14SRL240**)
- **SPLICE:** SEE DETAIL SHEET [G2]

[E1] VIEW 1 - FRONT PROFILE (END RAFTER)

*NOTE: REFER TO SHEET [H1] FOR MID RAFTER BASE SKU.



- **LB =** LATERAL BRACE (SKU: **LB35G14STL240**)
- **SPLICE:** SEE DETAIL SHEET [G2]

[E1] VIEW 2 - FRONT PROFILE (MID RAFTER)

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ClearSpan
A DIVISION OF ENGINEERING SERVICES & PRODUCTS CO.
1440 15TH AVENUE SW
OYERSVILLE, IA 52040
P: 563.875.6113
F: 563.875.2317
WWW.ESAPCO.COM

ORDER #: --

CUSTOMER #: --

STRUCTURE SKU #: --
STRUCTURE SIZE: --
STRUCTURE DESCRIPTION: --
CUSTOMER INFORMATION: -- -- --
CONTACT PHONE: --
CUSTOMER CONTACT: --
SHEET TITLE: RAFTER PROFILES

DRAWING DETAILS	
DRAWN BY: SMN	CREATION DATE: 2/13/2015

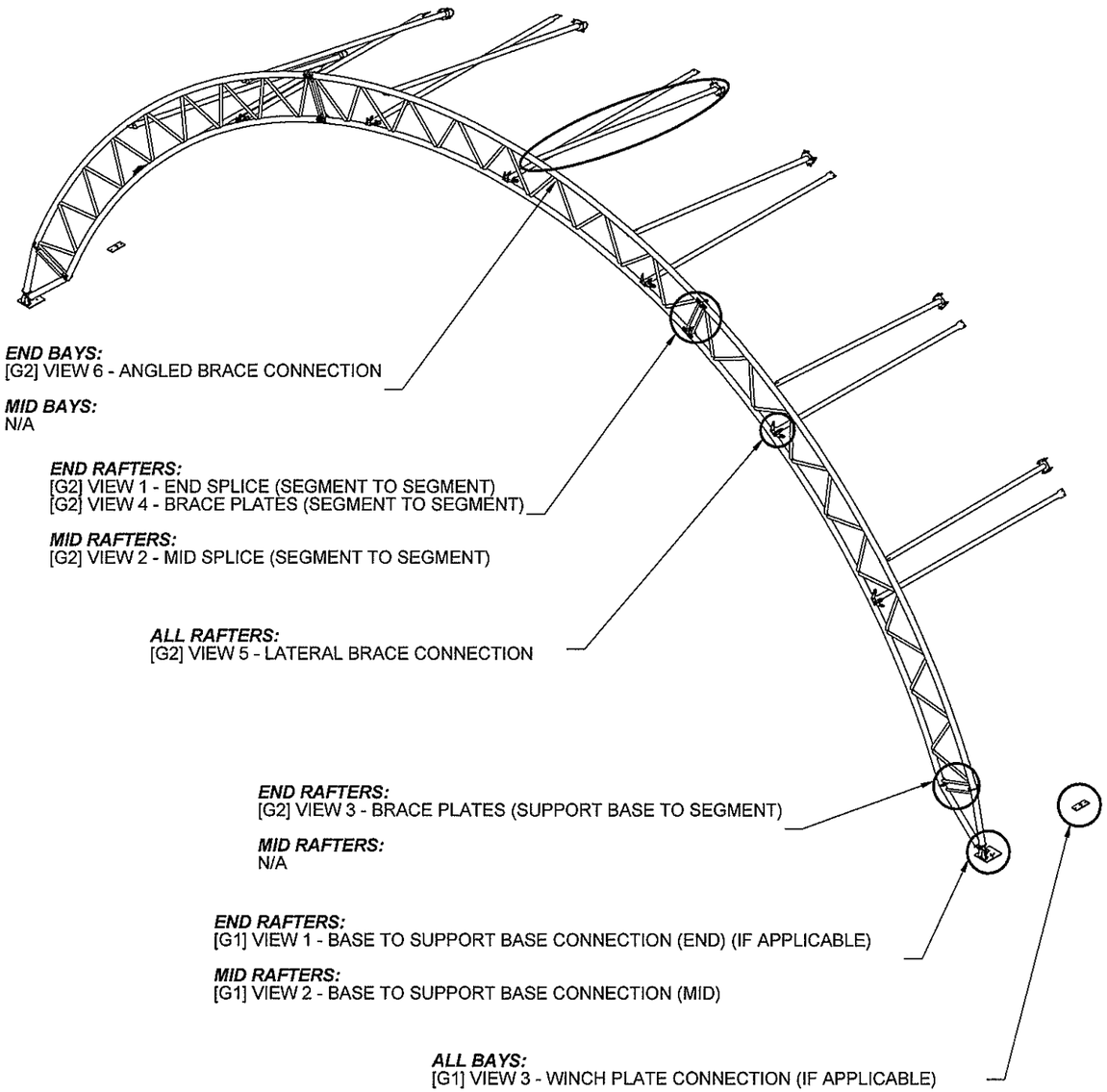
REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

SHEET: E1

DETAIL LOCATION CALL-OUTS



END BAYS:
[G2] VIEW 6 - ANGLED BRACE CONNECTION

MID BAYS:
N/A

END RAFTERS:
[G2] VIEW 1 - END SPLICE (SEGMENT TO SEGMENT)
[G2] VIEW 4 - BRACE PLATES (SEGMENT TO SEGMENT)

MID RAFTERS:
[G2] VIEW 2 - MID SPLICE (SEGMENT TO SEGMENT)

ALL RAFTERS:
[G2] VIEW 5 - LATERAL BRACE CONNECTION

END RAFTERS:
[G2] VIEW 3 - BRACE PLATES (SUPPORT BASE TO SEGMENT)

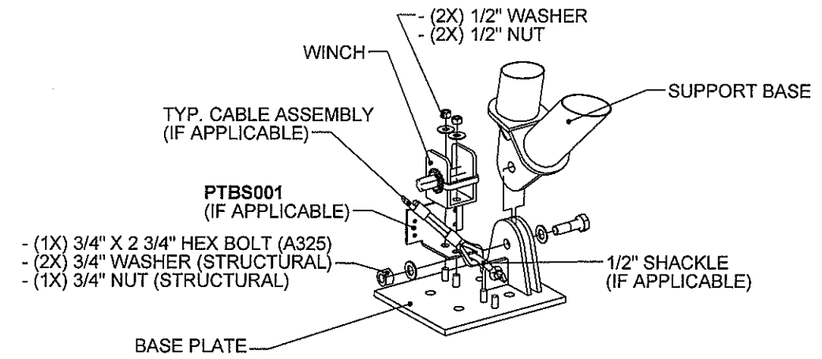
MID RAFTERS:
N/A

END RAFTERS:
[G1] VIEW 1 - BASE TO SUPPORT BASE CONNECTION (END) (IF APPLICABLE)

MID RAFTERS:
[G1] VIEW 2 - BASE TO SUPPORT BASE CONNECTION (MID)

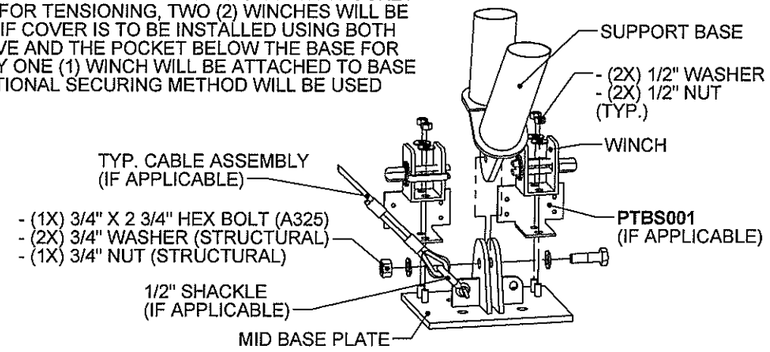
ALL BAYS:
[G1] VIEW 3 - WINCH PLATE CONNECTION (IF APPLICABLE)

DETAILS WITH LOCATION CALL-OUTS NOT SHOWN ON THIS SHEET:
[G2] VIEW 7 - ANGLED BRACE BOX BOLT CONNECTION (IF APPLICABLE)
[G2] VIEW 8 - U-BOLT BRACE CONNECTION (IF APPLICABLE)
[G2] VIEW 9 - SIDE DOOR DETAIL (IF APPLICABLE)
[G3] VIEW 1 - CABLE SKU PER SPAN
[G3] VIEW 2 - TYPICAL CABLE CONNECTION DETAIL
[G3] VIEW 3 - TYPICAL CABLE ASSEMBLY
[G3] VIEW 4 - SWAY CABLE LOCATIONS
[G3] VIEW 5 - SWAY CABLE DETAILS
[G3] VIEW 6 - TYPICAL SWAY CABLE ASSEMBLY

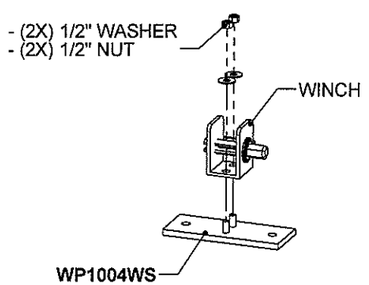


[G1] VIEW 1 - BASE TO SUPPORT BASE CONNECTION (END) (IF APPLICABLE)

NOTE: IF COVER IS TO BE INSTALLED USING ONLY THE POCKET ABOVE THE BASE FOR TENSIONING, TWO (2) WINCHES WILL BE USED AS SHOWN. IF COVER IS TO BE INSTALLED USING BOTH THE POCKET ABOVE AND THE POCKET BELOW THE BASE FOR TENSIONING, ONLY ONE (1) WINCH WILL BE ATTACHED TO BASE AND ONE (1) ADDITIONAL SECURING METHOD WILL BE USED BELOW BASE.



[G1] VIEW 2 - BASE TO SUPPORT BASE CONNECTION (MID)



[G1] VIEW 2 - WINCH PLATE CONNECTION (IF APPLICABLE)

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ClearSpan
A DIVISION OF ENGINEERING SERVICES & PRODUCTS CO.
1440 18TH AVENUE SW
DYERSVILLE, IA 52040
P: 563.875.6113
F: 563.875.2317
WWW.ESAPCO.COM

ORDER #: ---

CUSTOMER #: ---

STRUCTURE SKU #: 1

STRUCTURE SIZE: 1

STRUCTURE DESCRIPTION: 1

CUSTOMER INFORMATION: 1 ; ; ;

CONTACT PHONE: 1

CUSTOMER CONTACT: 1

SHEET TITLE: DETAIL LOCATIONS & BASE DETAILS

DRAWING DETAILS

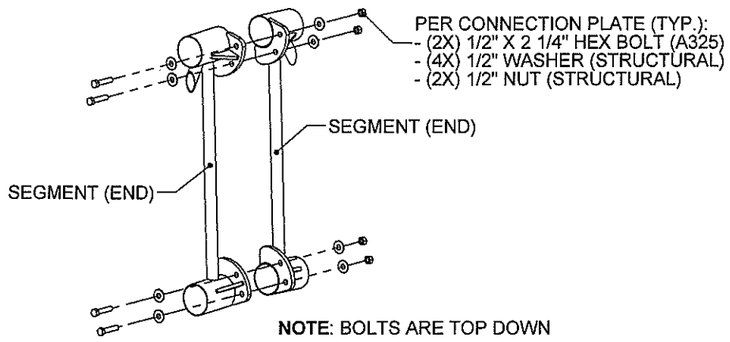
DRAWN BY:	CREATION DATE:
SMN	2/13/2016

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

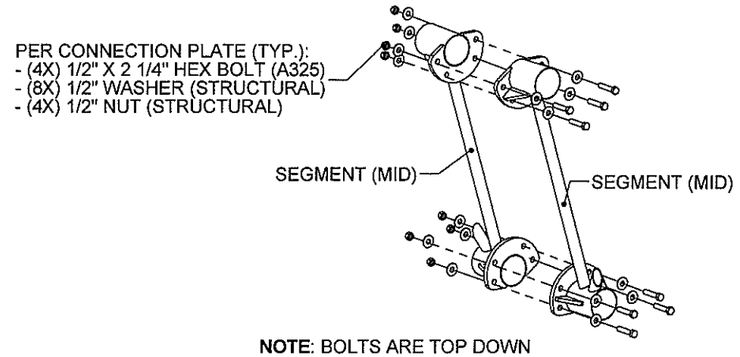
NOT TO SCALE | SHEET SIZE: 11X17

SHEET: G1



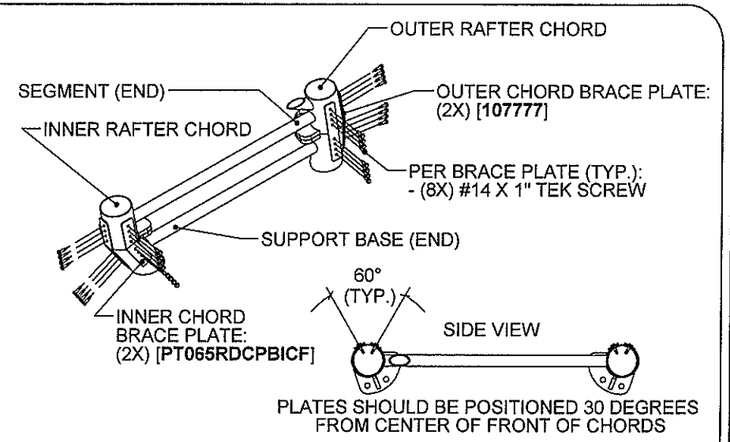
NOTE: BOLTS ARE TOP DOWN

[G2] VIEW 1 - END SPLICE (SEGMENT TO SEGMENT)



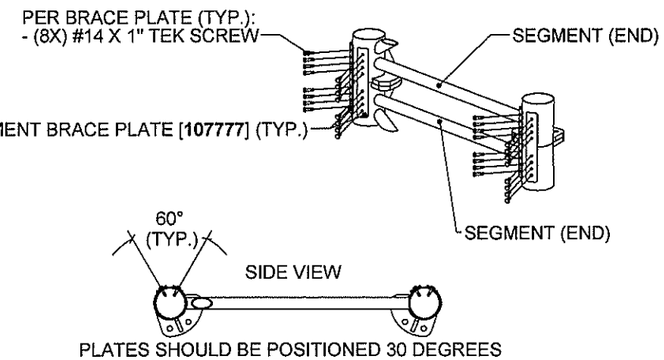
NOTE: BOLTS ARE TOP DOWN

[G2] VIEW 2 - MID SPLICE (SEGMENT TO SEGMENT)



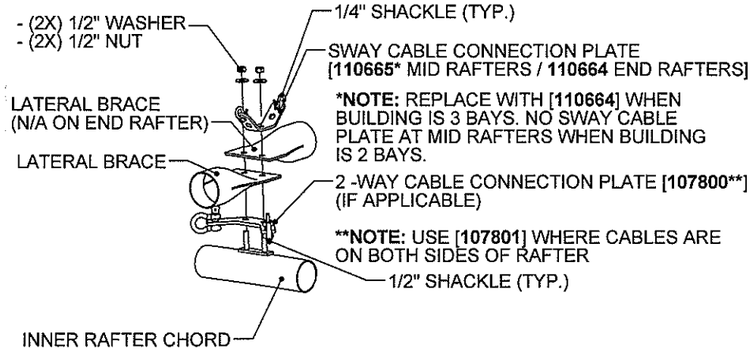
PLATES SHOULD BE POSITIONED 30 DEGREES FROM CENTER OF FRONT OF CHORDS

[G2] VIEW 3 - BRACE PLATES (SUPPORT BASE TO SEGMENT)

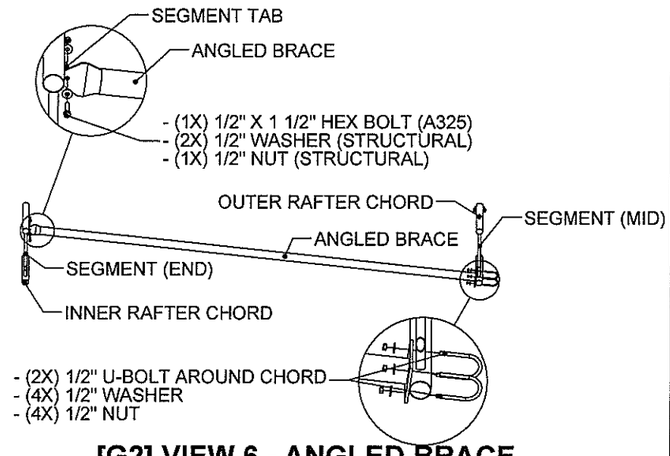


PLATES SHOULD BE POSITIONED 30 DEGREES FROM CENTER OF FRONT OF CHORDS

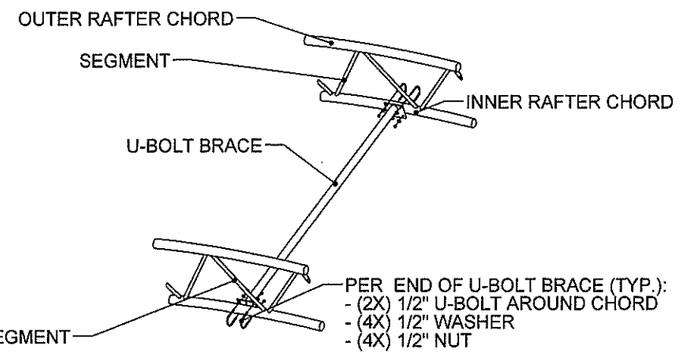
[G2] VIEW 4 - BRACE PLATES (SEGMENT TO SEGMENT)



[G2] VIEW 5 - LATERAL BRACE CONNECTION

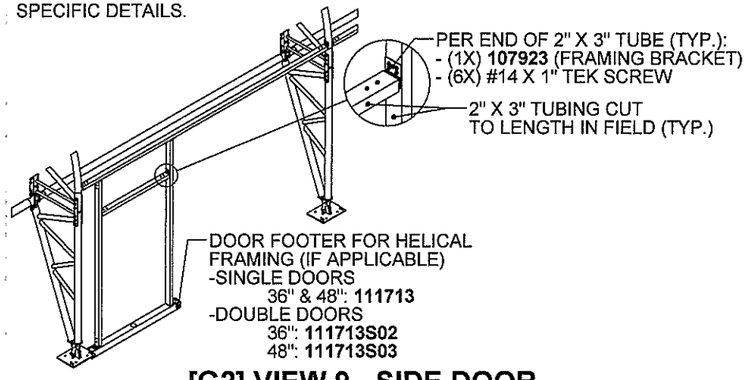


[G2] VIEW 6 - ANGLED BRACE CONNECTION



[G2] VIEW 8 - U-BOLT BRACE CONNECTION (IF APPLICABLE)

NOTE: VERIFY ROUGH OPENING PRIOR TO CUTTING TUBE.
NOTE: THIS VIEW IS GENERIC TO ILLUSTRATE MAN DOOR FRAMING CONNECTIONS. RAFTER STYLE AND/OR OTHER DETAILS MAY NOT FULLY MATCH THE SPECIFICS FOR THIS PROJECT. SEE OTHER SHEETS FOR ORDER SPECIFIC DETAILS.



[G2] VIEW 9 - SIDE DOOR DETAIL (IF APPLICABLE)

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ClearSpan
A DIVISION OF ENGINEERING SERVICES & PRODUCTS CO.
1449 16TH AVENUE SW
DYERSVILLE, IA 52040
P: 563.875.6113
F: 563.875.2317
WWW.ESAPCO.COM

ORDER #: --

CUSTOMER #: --

STRUCTURE SKU #: 1

STRUCTURE SIZE: 1

STRUCTURE DESCRIPTION: 1

CUSTOMER INFORMATION: 1 1 1

CONTACT PHONE: 1

CUSTOMER CONTACT: 1

SHEET TITLE: GENERAL CONNECTION DETAILS

DRAWING DETAILS	
DRAWN BY: SMN	CREATION DATE: 2/13/2015
REVISIONS:	
NO.	BY: / REVISION DATE:
1	
2	
3	
4	
NOT TO SCALE	SHEET SIZE: 11X17

SHEET: G2

NOTES:

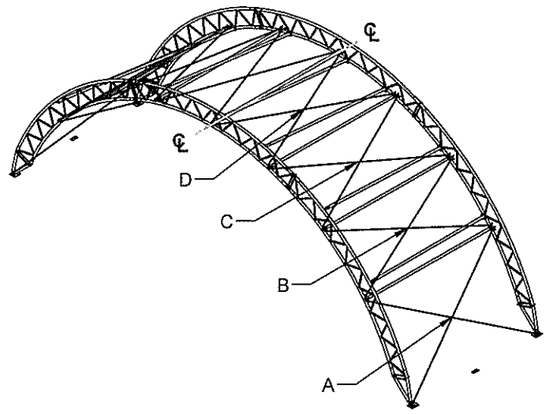
- RAFTER VIEW SHOWN REPRESENTS TYPICAL CABLE SPAN LABELS TO ILLUSTRATE LOCATIONS OF SPANS IN THE TABLE. THE CABLE PATTERN SHOWN MAY NOT FULLY MATCH THE SPECIFICS FOR THIS PROJECT.
- CABLE PATTERN REPEATS ON OPPOSITE SIDE OF ℄ UNLESS NOTED OTHERWISE.
- CABLE IS NOT PRESENT IN BAY NUMBERS NOT LISTED IN TABLE.

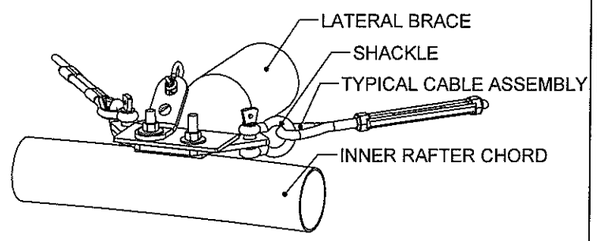
CABLE ATTACHMENT COMPONENTS	
TURNBUCKLE	1/2" X 9" GALV E-E
SHACKLE	1/2" GALV
CABLE	3/8" GALV 7X19

BAY 1 IS AT THE FRONT OF THE BUILDING AND INCREASES 1 FOR EVERY 20' OF LENGTH

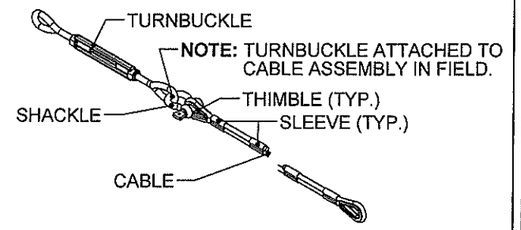
CABLE ASSEMBLY SKU'S					
BUILDING LENGTH	***BAY NUMBER****	***SPAN 'A'***	***SPAN 'B'***	***SPAN 'C'***	***SPAN 'D'***
60'	1 & 3	CAB37G2101	CAB37G1900	CAB37G1902	CAB37G1900
80'	1 & 4	CAB37G2101	CAB37G1900	CAB37G1902	CAB37G1900
100'	1 & 5	CAB37G2101	CAB37G1900	CAB37G1902	CAB37G1900
120'	1 & 6	CAB37G2101	CAB37G1900	CAB37G1902	CAB37G1900
140'	1 & 7	CAB37G2101	CAB37G1900	CAB37G1902	CAB37G1900
160'	1, 5 & 8	CAB37G2101	CAB37G1900	CAB37G1902	CAB37G1900
180'	1, 5 & 9	CAB37G2101	CAB37G1900	CAB37G1902	CAB37G1900
200'	1, 5 & 10	CAB37G2101	CAB37G1900	CAB37G1902	CAB37G1900

[G3] VIEW 1 - CABLE SKU PER SPAN



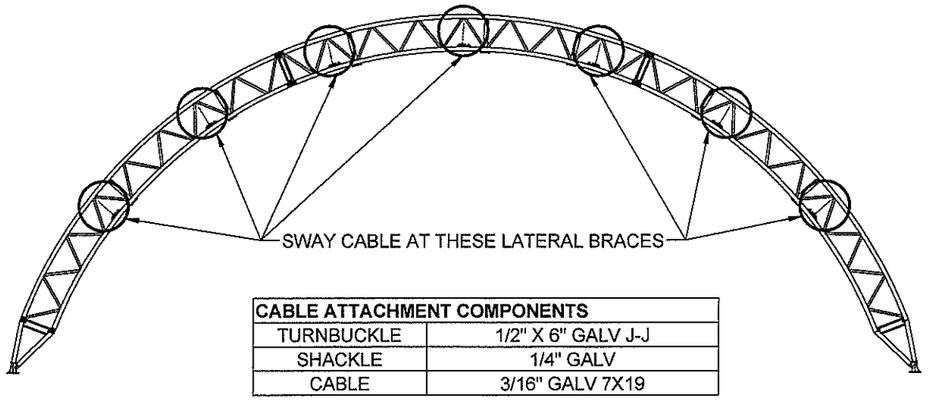


[G3] VIEW 2 - TYPICAL CABLE CONNECTION DETAIL



[G3] VIEW 3 - TYPICAL CABLE ASSEMBLY

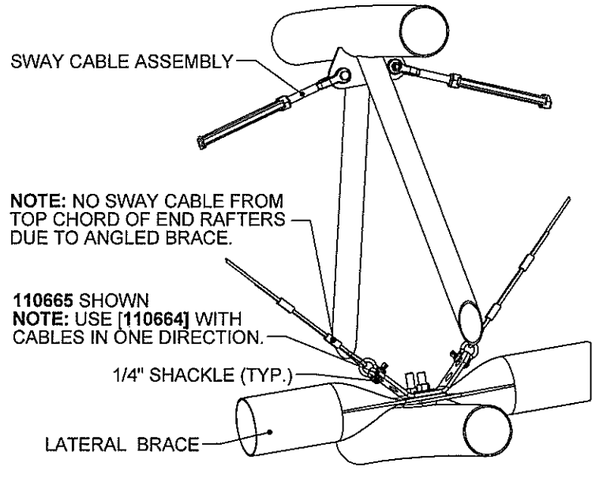
SWAY CABLE REPEATS DOWN LENGTH OF BUILDING AT LOCATIONS SHOWN BELOW



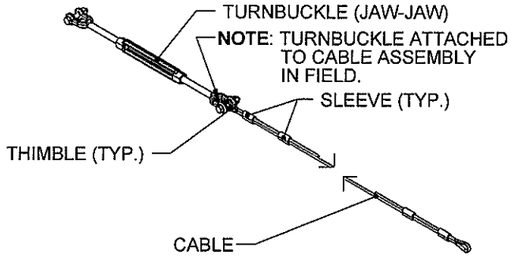
CABLE ATTACHMENT COMPONENTS	
TURNBUCKLE	1/2" X 6" GALV J-J
SHACKLE	1/4" GALV
CABLE	3/16" GALV 7X19

SWAY CABLE ASSEMBLY SKU'S		
BUILDING LENGTH	**BAY NUMBER***	**SWAY CABLE SKU**
ALL LENGTHS	ALL BAYS	CAB18G1803

[G3] VIEW 4 - SWAY CABLE LOCATIONS



[G3] VIEW 5 - SWAY CABLE DETAILS



[G3] VIEW 6 - TYPICAL SWAY CABLE ASSEMBLY

DEVELOPED BY
ClearSpan
A DIVISION OF ENGINEERING SERVICES & PRODUCTS CO.
1440 18TH AVENUE SW
DYERSVILLE, IA 52040
P: 563.875.6113
F: 563.875.2317
WWW.ESAPCD.COM

ORDER #: --

CUSTOMER #: --

STRUCTURE SKU #: --

STRUCTURE SIZE: --

STRUCTURE DESCRIPTION: --

CUSTOMER INFORMATION: : : :

CONTACT PHONE: :

CUSTOMER CONTACT: :

SHEET TITLE: CABLE LAYOUT & DETAILS

DRAWING DETAILS	
DRAWN BY: SMN	CREATION DATE: 2/13/2015

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

NOT TO SCALE | SHEET SIZE: 11X17

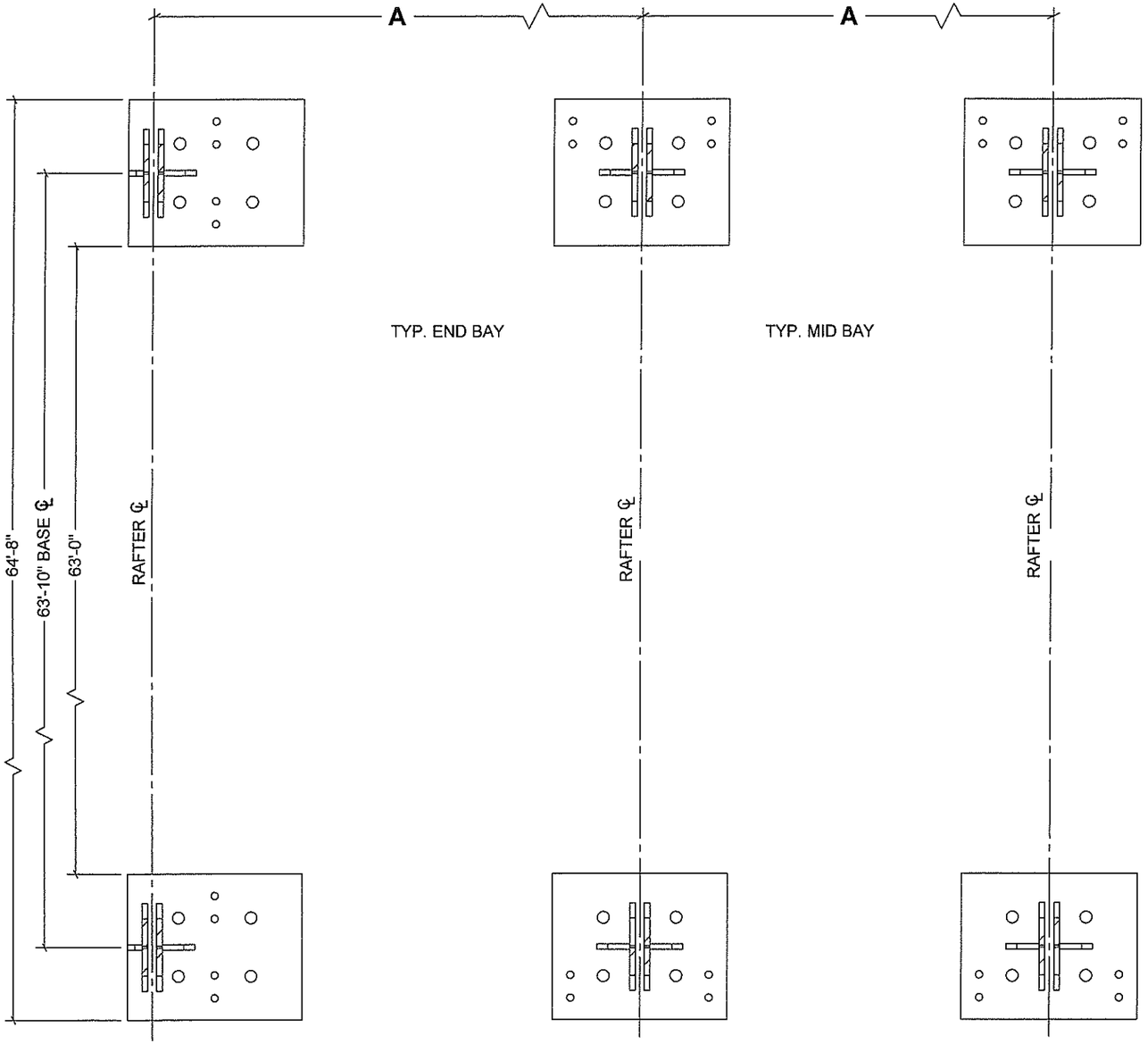
SHEET: G3

*REFER TO SHEET [C1] FOR BAY NUMBERING

BAY NUMBER*	A (RAFTER SPACING)
ALL BAYS	20'-0"

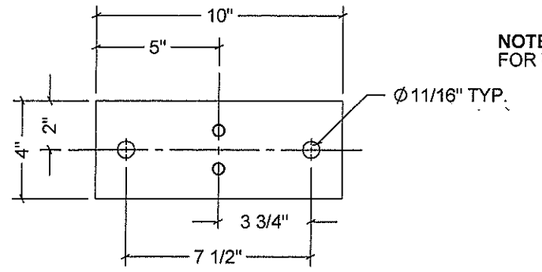
**REFER TO SHEET [E1] FOR BASE LOCATIONS

RAFTER TYPE	LEFT BASE SKU**	RIGHT BASE SKU**
END	BP061E	BP061E
MID	BP061M	BP061M

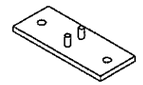


TYP. END BAY

TYP. MID BAY



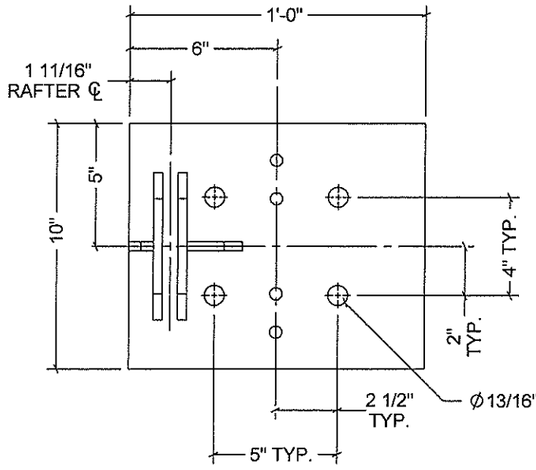
TOP VIEW



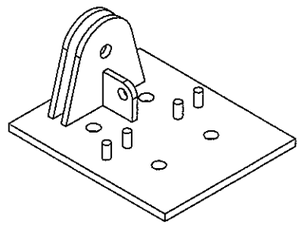
ISOMETRIC VIEW

NOTE: REFER TO SHEET [F1] FOR WINCH PLATE LOCATIONS.

WP1004WS DETAILS (IF APPLICABLE)

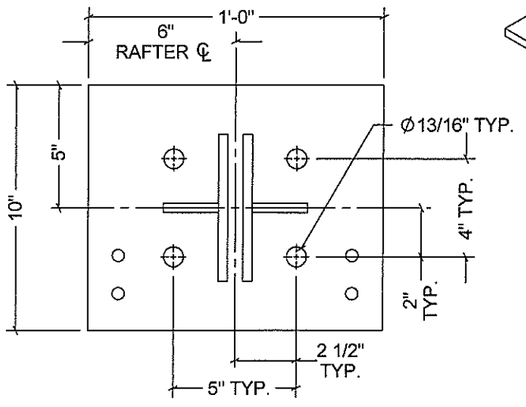


TOP VIEW

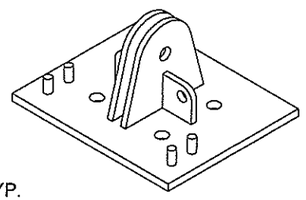


ISOMETRIC VIEW

BP061E DETAILS



TOP VIEW



ISOMETRIC VIEW

BP061M DETAILS

DEVELOPED BY
ClearSpan
A DIVISION OF ENGINEERING SERVICES & PRODUCTS CO.
1440 19TH AVENUE SW
DYERSVILLE, IA 52040
P: 563.875.6113
F: 563.875.2317
WWW.ESAPCO.COM

ORDER #: --

CUSTOMER #: --

STRUCTURE SKU #: --

STRUCTURE SIZE: --

STRUCTURE DESCRIPTION: --

CUSTOMER INFORMATION: -- -- --

CONTACT PHONE: --

CUSTOMER CONTACT: --

SHEET TITLE: BASE PLATE LAYOUT & DETAILS

DRAWING DETAILS

DRAWN BY:	CREATION DATE:
SMN	2/13/2015

REVISIONS:

NO.	BY:	REVISION DATE:
1		
2		
3		
4		

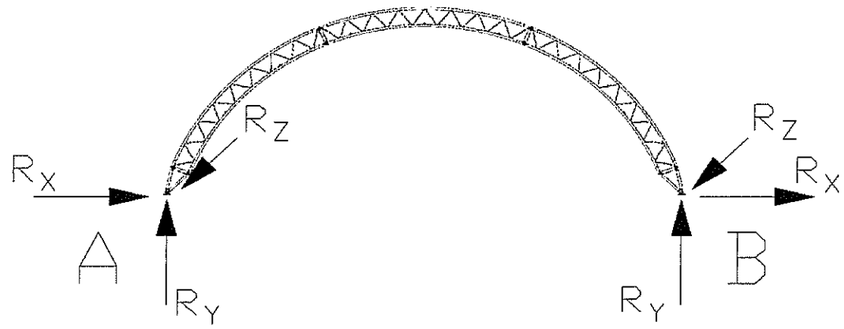
NOT TO SCALE | SHEET SIZE: 11X17

SHEET: H1

Building Width	65	ft
Building Length	60	ft
Rafter Spacing	20	ft

Ground Snow Load	30	psf	(Partially Exposed Roof)
Wind Load	90	mph	Exp C (Enclosed)
Occupancy Category	I	IBC Table 1604.5	
Collateral Load	300	lbs per truss	

*See notes below		UNFACTORED BASE REACTIONS TO CONSIDER AT TYPICAL BASES			
Load Case		Side A		Side B	
		Rx (kip)	Ry (kip)	Rx (kip)	Ry (kip)
Dead Load, Self Weight	DL	0.36	0.74	-0.36	0.74
Dead Load, Collateral	EL	0.10	0.15	-0.10	0.15
Snow Load, Balanced	S	6.54	8.39	-6.54	8.39
Snow Load, Unbalanced	Su	3.83	3.00	-3.83	7.77
Wind Load	Wx	-6.04	-5.93	2.46	-6.83
Wind Load	Wx2	-5.06	-2.88	1.44	-3.78
Wind Load	Wz	-1.97	-6.06	1.97	-6.06
Wind Load	Wz2	0.08	0.26	-0.08	0.26
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00



CONTROLLING ASD COMBINATIONS TO CONSIDER AT TYPICAL BASES			
Max Gravity (kip)	9.28	DL + EL + S	Side A & B
Max Uplift (kip)	-6.38	0.6DL + Wx	Side B
Max Inward Lateral (kip)	-5.83	0.6DL + Wx	Side A
Max Outward Lateral (kip)	6.99	DL + EL + S	Side A

*See notes below		ADDITIONAL UNFACTORED BASE REACTIONS TO CONSIDER AT BASES WITH CABLE ATTACHED					
Load Case		Side A			Side B		
		Rx (kip)	Ry (kip)	Rz (kip)	Rx (kip)	Ry (kip)	Rz (kip)
Wind Load	Wz	-3.03	-6.26	2.74	3.03	-6.26	2.73
Dead Load, Cable (Wz)	DL	0.02	0.04		-0.02	0.04	
Wind Load	Wz2	1.78	2.54	0.00	-1.78	2.54	0.00
Dead Load, Cable (Wz2)	DL	0.02	0.04		-0.02	0.04	

ADDITIONAL CONTROLLING ASD COMBINATIONS TO CONSIDER AT BASES WITH CABLE ATTACHED			
Max Gravity (kip)	9.32	DL + EL + S	Side A & B
Max Uplift (kip)	-6.36	0.6DL + Wx	Side B
Max Inward Lateral (kip)	-5.81	0.6DL + Wx	Side A
Max Outward Lateral (kip)	7.02	DL + EL + S	Side A

Notes:

a. The above Reaction Data should be combined as required by the Load Combinations from IBC or other applicable code.

b. The Reaction Data is for a building that represents a low hazard to human life in the event of a failure. Examples of such are agricultural buildings, unoccupied private buildings, unoccupied storage buildings, or temporary buildings. A building is considered "unoccupied" when employees are typically in the building only to move materials in and out (no permanent workstations) and it is not open to the public.

c. The Reaction Data is for a building that has both endwalls closed or has the same area of openings in each endwall.