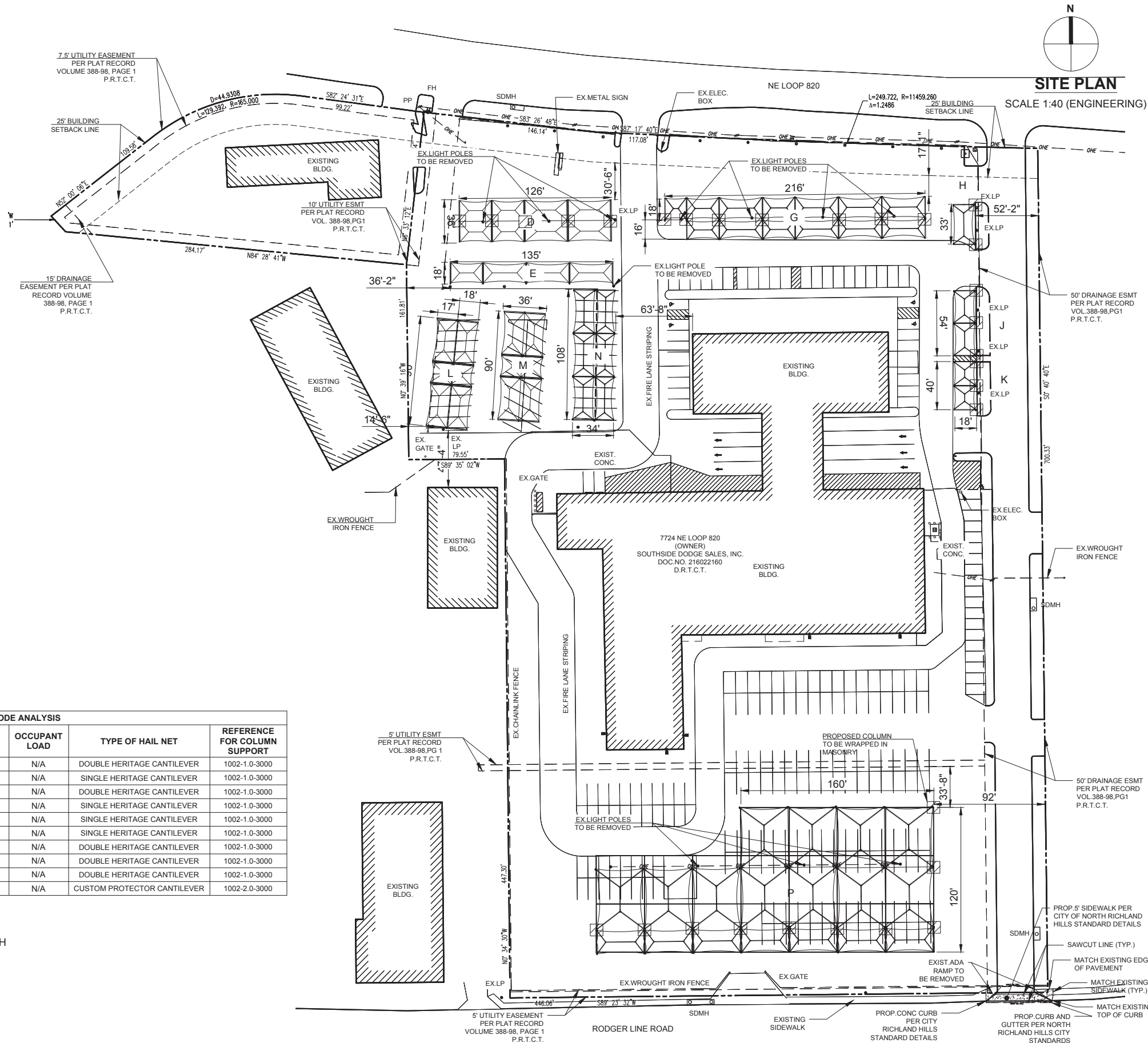


VICINITY MAP
N.T.S.

ADDRESS:
7724 NE LOOP 820
NORTH RICHLAND HILLS, TX 76180



SITE PLAN
SCALE 1:40 (ENGINEERING)

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.



CORPORATE HEADQUARTERS
8505-A CHANCELLOR ROW
DALLAS, TX, 75247
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER
CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
AUTONATION INC.

PROJECT NAME:
HYUNDAI N.RICHLAND HILLS
LOCATION:
NORTH RICHLAND HILLS TX
PROJECT NUMBER:
63012

STRUCTURE TYPE:
HERITAGE CANTILEVERS & DIAMOND PROTECTORS

SIZE:
VARIOUS

SCALE : ENGINEERING

DRAWING SIZE: D

10/19/18	SA	SA	SA	ENG
10/19/18	SA	SA	SA	CHK
10/19/18	SA	SA	SA	DRW
10/19/18	SA	SA	SA	ENG

NC	REV
----	-----

Eng. By :	SA	10/19/18
Design By :	SA	10/19/18
Approved By :	SA	10/19/18

DRAWING DESCRIPTION:
SITE PLAN

DWG. 63012-1.15

PAGE 4000

REV. NC

☐ COLUMNS TO BE WRAPPED

CODE ANALYSIS						
BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQF)	OCCUPANT LOAD	TYPE OF HAIL NET	REFERENCE FOR COLUMN SUPPORT
D	S2	2-B	4536	N/A	DOUBLE HERITAGE CANTILEVER	1002-1.0-3000
E	S2	2-B	2430	N/A	SINGLE HERITAGE CANTILEVER	1002-1.0-3000
G	S2	2-B	6750	N/A	DOUBLE HERITAGE CANTILEVER	1002-1.0-3000
H	S2	2-B	594	N/A	SINGLE HERITAGE CANTILEVER	1002-1.0-3000
J	S2	2-B	918	N/A	SINGLE HERITAGE CANTILEVER	1002-1.0-3000
K	S2	2-B	713	N/A	SINGLE HERITAGE CANTILEVER	1002-1.0-3000
L	S2	2-B	3150	N/A	DOUBLE HERITAGE CANTILEVER	1002-1.0-3000
M	S2	2-B	3240	N/A	DOUBLE HERITAGE CANTILEVER	1002-1.0-3000
N	S2	2-B	3780	N/A	DOUBLE HERITAGE CANTILEVER	1002-1.0-3000
P	S2	2-B	27600	N/A	CUSTOM PROTECTOR CANTILEVER	1002-2.0-3000

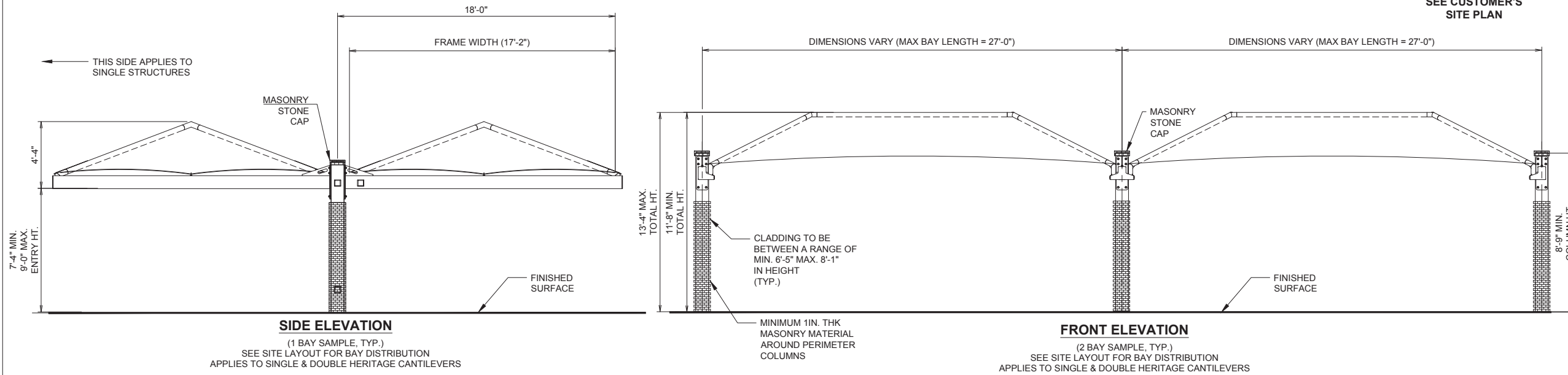
GENERAL NOTE:

1. LIGHT POLES SHALL BE PAINTED TO MATCH THE CDJR DEALERSHIP. THE PAINT COLOR SHALL BE GREY.

PLAN NORTH

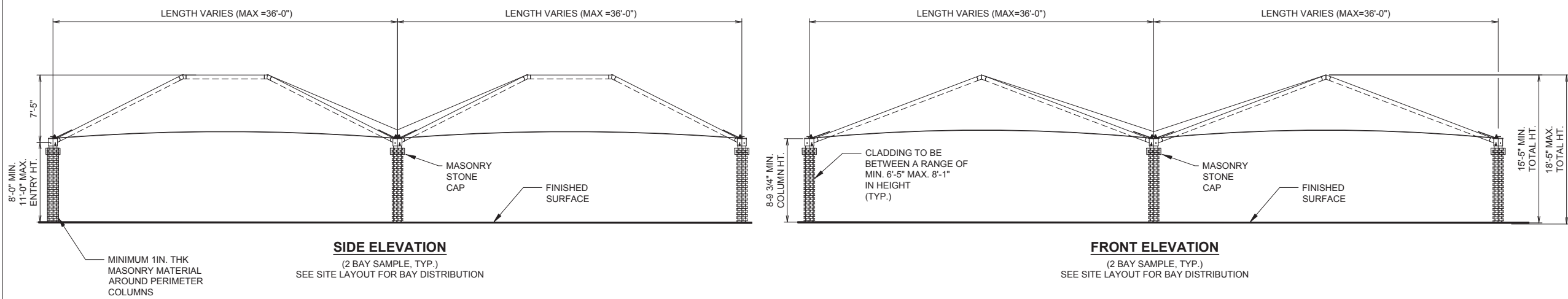


FOR TRUE NORTH
SEE CUSTOMER'S
SITE PLAN



ELEVATIONS
HERITAGE CANTILEVERS

NOTE:
HEIGHT OF CLADDING OF EACH COLUMN WILL VARY DEPENDING
ON THE ELEVATIONS AT EACH LOCATION



ELEVATIONS
DIAMOND PROTECTORS

THESE PLANS AND SPECIFICATIONS ARE THE
PROPERTY OF USA SHADE AND FABRIC
STRUCTURES AND SHALL NOT BE
REPRODUCED WITHOUT THEIR WRITTEN
PERMISSION.



CORPORATE HEADQUARTERS
8505-A CHANCELLOR ROW
DALLAS, TX, 75247
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER
CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
**AUTONATION
INC.**
PROJECT NAME:
**HYUNDAI
N.RICHLAND HILLS**
LOCATION:
**NORTH RICHLAND HILLS,
TX**
PROJECT NUMBER:
63012

STRUCTURE TYPE:
**HERITAGE CANTILEVERS
& DIAMOND PROTECTORS**
SIZE:
VARIOUS

SCALE : AS NOTED

DRAWING SIZE: **B**

RELEASE FOR FABRICATION	DATE	DRW	CHK	ENG	NC	REV
	10/19/18					

Eng. By :	JO	10/19/18
Design By :	SA	10/19/18
Approved By :	JO	10/19/18

DRAWING DESCRIPTION:
PERIMETER CLADDED ELEVATIONS

DWG. **63012-1.0**

PAGE **5000**

REV. **NC**

GENERAL NOTES

DESIGN LOADS

BUILDING CODE	IBC 2012
LIVE LOADS	5 PSF
SNOW LOAD	5 PSF
WIND LOADS	115 MPH ¹ 3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

1.- 115 MPH ACCORDING THE ULTIMATE WIND SPEED MAPS OF ASCE 7-10 IS EQUIVALENT TO THE NOMINAL WIND SPEED OF 90 MPH ACCORDING ASCE 7-05 AND IBC 2012 EQ 16-32.

STRUCTURAL STEEL

1.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED, TYPICAL MECHANICAL PROPERTIES FOR HSS PRODUCTS:
 SQUARE AND RECTANGULAR 50,000 PSI YIELD / 62,000 PSI TENSILE
 ROUND PIPE 46,000 PSI YIELD / 62,000 PSI TENSILE

2.- ALL GALVANIZED STEEL TUBE PRODUCTS ARE MANUFACTURED PER ASTM A500, TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR GALVANIZED TUBE PRODUCTS:
 ROUND TUBE 45,000 PSI YIELD / 48,000 PSI TENSILE

3.- ALL PLATES SHALL COMPLY WITH ASTM A572 GRADE 50.

4.- ALL STEEL TUBING SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

5.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

6.- ALL SHOP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1 SPECIFICATIONS. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN, UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE WEAKER MEMBER. ALL WELDS SHALL BE MADE USING E70XX .045 WIRE.

7.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED), ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" UNLESS OTHERWISE NOTED. FIELD WELDS SHALL NOT BE ALLOWED.

8.- ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM A325 TYPE 1 OR A490 TYPE 1. ALL NUTS SHALL COMPLY WITH ASTM A563DH, AND WASHERS SHALL COMPLY WITH ASTM F436.

9.- ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION.

10.- ALL STAINLESS STEEL BOLTS / STUDS SHALL COMPLY WITH ASTM F-593, ALLOY GROUP 1 OR 2 ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 1 OR 2.

11.- ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT (2.5 TO 3.5 MILS THICK MIN). THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:

- PENCIL HARDNESS (ASTM D-3363)
- HUMIDITY (ASTM D-2247)
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNES

FABRIC SPECIFICATION

1.- FABRIC SHALL BE A HIGH DENSITY POLYETHYLENE WITH ULTRA VIOLET ADDITIVES, WITH MONOFILAMENT AND TAPE CONSTRUCTION GIVING A STABLE MATERIAL AND RACHEL KNITTED TO ENSURE MATERIAL WILL NOT UNRAVEL IF CUT.

2.- FABRIC SPECIFICATIONS: SOLID COLORS STRIPE COLORS
 - FADING MINIMUM FADING AFTER 5 YEARS
 - LIFE EXPECTANCY A MINIMUM OF 8 YEARS CONTINUOUS EXPOSURE TO THE SUN

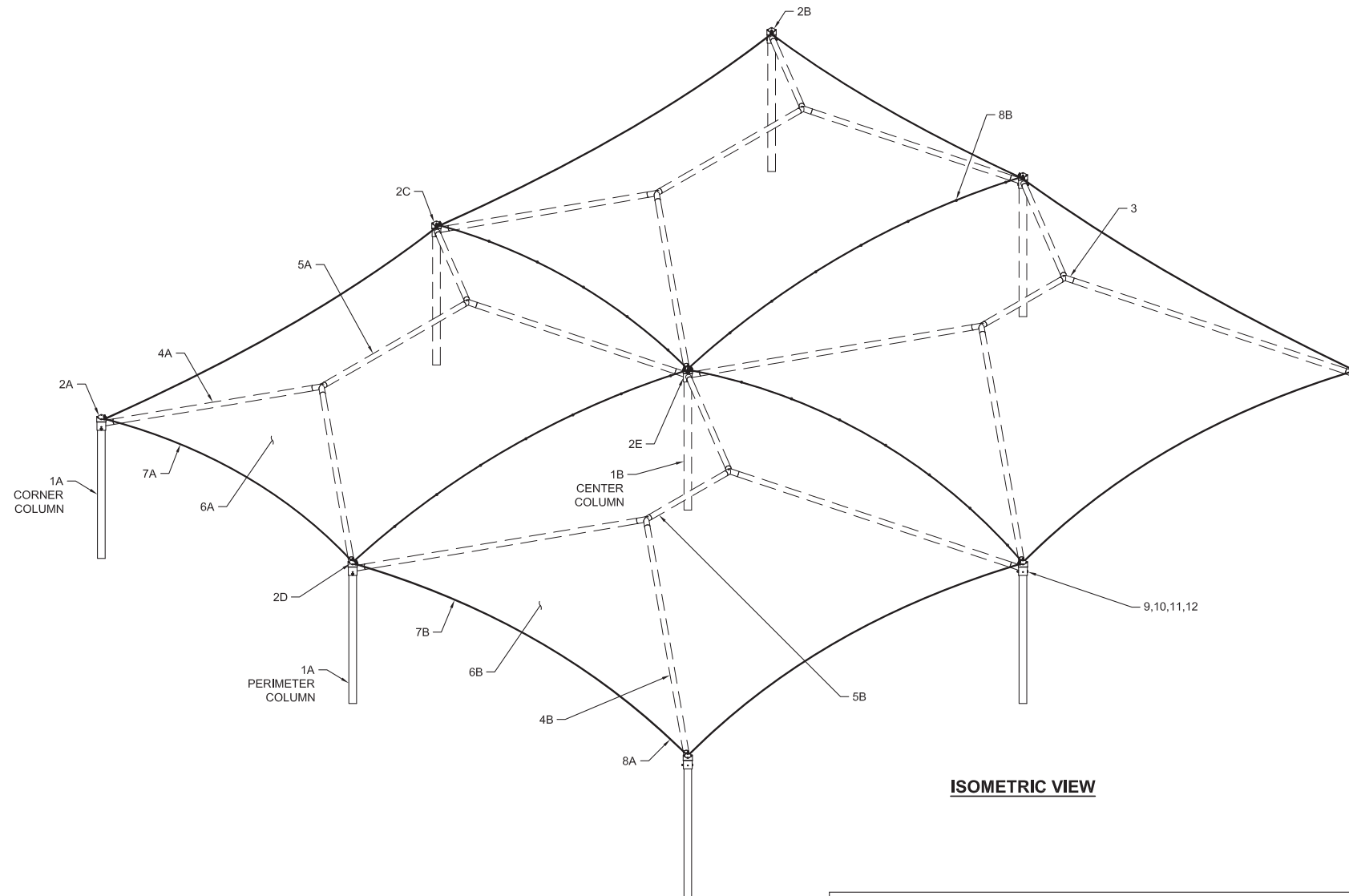
3.- FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84

4.- THREAD-PTFE (TEFLON) USED MEET THE FOLLOWING SPECIFICATIONS: HIGH STRENGTH, LOW SHRINKAGE, WIDE TEMPERATURE RANGE, FLEX & ABRASION RESISTANT AND UV RADIATION IMMUNITY. LOCKSTITCH - 1200 DENIER, CHAINSTITCH THREAD - 2400 DENIER.

AIRCRAFT CABLE

1.- WIRE ROPE CABLE SHALL BE 7x19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 14,400 LBS (3/8" DIAMETER).

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUNT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTENING VISITS AS REQUIRED.



ISOMETRIC VIEW

LIST OF MATERIALS

ITEM	QTY.	DESCRIPTION	MATERIAL / DWG	SMI PART NO.
1A	TBD	COLUMN CORNER & PERIMETER	HSS 7 x 7 x 0.375	N/A
1B	TBD	COLUMN CENTER	HSS 7 x 7 x 0.250	N/A
2A	TBD	CROWN SINGLE RIGHT	HSS 8 x 8 x 0.375	N/A
2B	TBD	CROWN SINGLE LEFT	HSS 8 x 8 x 0.375	N/A
2C	TBD	CROWN DOUBLE LONG SIDE	HSS 8 x 8 x 0.375	N/A
2D	TBD	CROWN DOUBLE SHORT SIDE	HSS 8 x 8 x 0.375	N/A
2E	TBD	CROWN CENTER	HSS 8 x 8 x 0.375	N/A
3	TBD	CROSSPIECE	5.0 GA. 7 RD. TUBE	N/A
4A	TBD	EXTENSION	5.0 GA. 7 RD. TUBE	LENGTH VARIES
4B	TBD	EXTENSION	5.0 GA. 7 RD. TUBE	LENGTH VARIES
5A	TBD	RIDGE	5.0 GA. 7 RD. TUBE	LENGTH VARIES
5B	TBD	RIDGE	5.0 GA. 7 RD. TUBE	LENGTH VARIES
6A	TBD	FABRIC TOP (CUSTOM)	EXTREME 32	LENGTH VARIES
6B	TBD	FABRIC TOP (CUSTOM)	EXTREME 32	LENGTH VARIES
7A	TBD	3/8" STEEL CABLE	GALVANIZED CABLE	LENGTH VARIES
7B	TBD	3/8" STEEL CABLE	GALVANIZED CABLE	LENGTH VARIES
8A	TBD	Ø3/8" CABLE CLAMP	GALVANIZED	307629
8B	TBD	Ø1/2" CABLE CLAMP	GALVANIZED	307627
9	TBD	Ø3/4"-10NC x 9 1/2" HEX BOLT	ASTM A325 GALVANIZED	308328
10	TBD	Ø3/4"-10NC HEX NUT	ASTM A563 GALVANIZED	307687
11	TBD	Ø3/4" SPLIT LOCK WASHER	ASTM F436 GALVANIZED	307832
12	TBD	Ø3/4" FLAT WASHER	ASTM F436 GALVANIZED	307624

CODE ANALYSIS

BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQF)	OCCUPANT LOAD
SHADE STRUCTURE	U	V-B	TBD	N/A
DIAMOND PROTECTORS				

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CORPORATE HEADQUARTERS
 8505-A CHANCELLOR ROW
 DALLAS, TX, 75247
 800-966-5005

CERTIFICATIONS:
 IAS CERTIFICATION NO: FA-428
 CLARK COUNTY MANUFACTURER
 CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
AUTONATION INC.

PROJECT NAME:
HYUNDAI

LOCATION:
NORTH RICHLAND HILLS

TX

PROJECT NUMBER:
1002

STRUCTURE TYPE:
DIAMOND PROTECTORS
(FULL CUSTOM)

SIZE:
VARIES

SCALE : AS NOTED

DRAWING SIZE: **B**

DATE	CHK	ENG	DATE	DRW	CHK	ENG
05/26/17						
RELEASE FOR CONSTRUCTION						
DESCRIPTION						
NC						REV
Eng. By :	AK		05/26/17			
Design By :	SA		05/26/17			
Approved By :	SA		05/26/17			

DRAWING DESCRIPTION:
NOTES / LOM

DWG. **1002-2.0**

PAGE **1000**

REV. **NC**

CASE SUP 2018-10

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.



CORPORATE HEADQUARTERS
8505-A CHANCELLOR ROW
DALLAS, TX, 75247
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER
CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
AUTONATION INC.

PROJECT NAME:
**HYUNDAI
N. RICHLAND HILLS**

LOCATION:
**NORTH RICHLAND HILLS
TX
PROJECT NUMBER:
1002**

STRUCTURE TYPE:
**DIAMOND PROTECTORS
(FULL CUSTOM)**

SIZE:
VARIES

SCALE : AS NOTED

DRAWING SIZE: **B**

NO	REV	DATE	DRW	CHK	ENG
		05/26/17			
RELEASE FOR CONSTRUCTION					
DESCRIPTION					

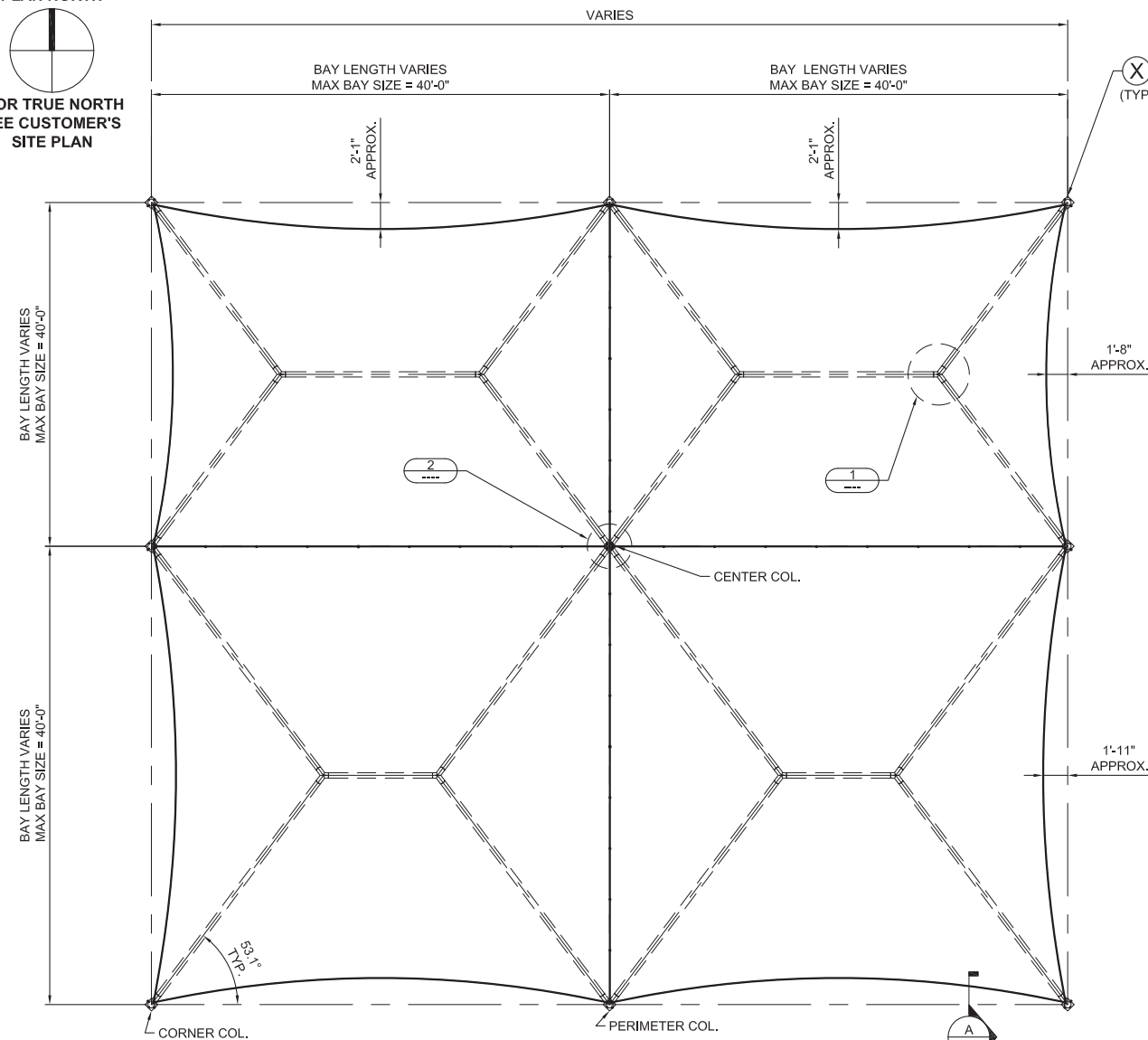
Eng. By : AK 05/26/17
Design By : SA 05/26/17
Approved By : SA 05/26/17

DRAWING DESCRIPTION:
VIEWS AND DETAILS

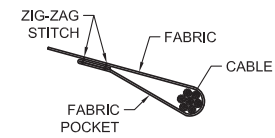
DWG. **1002-2.0**

PAGE **2000**

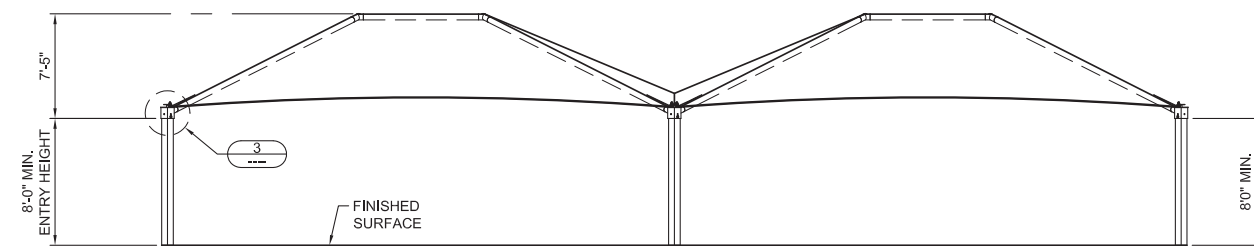
REV. **NC**



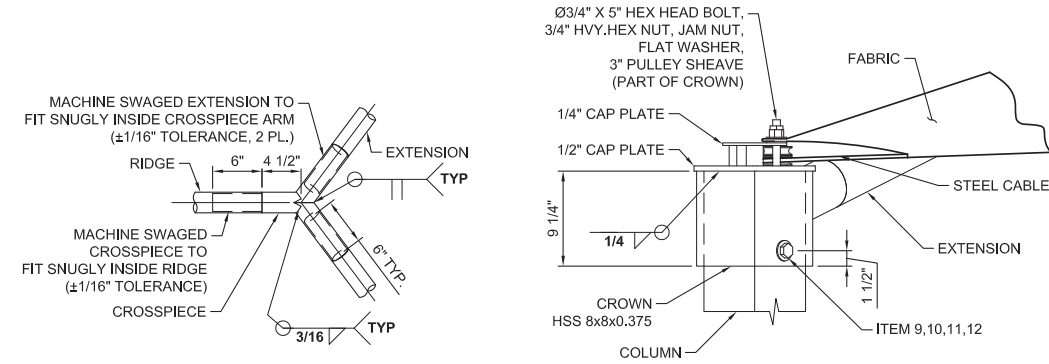
TOP VIEW



SECTION A-A

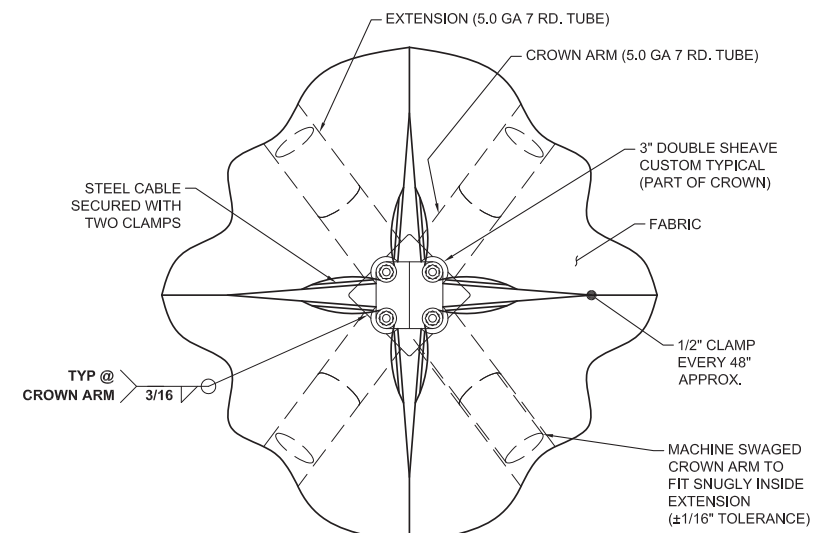


FRONT ELEVATION



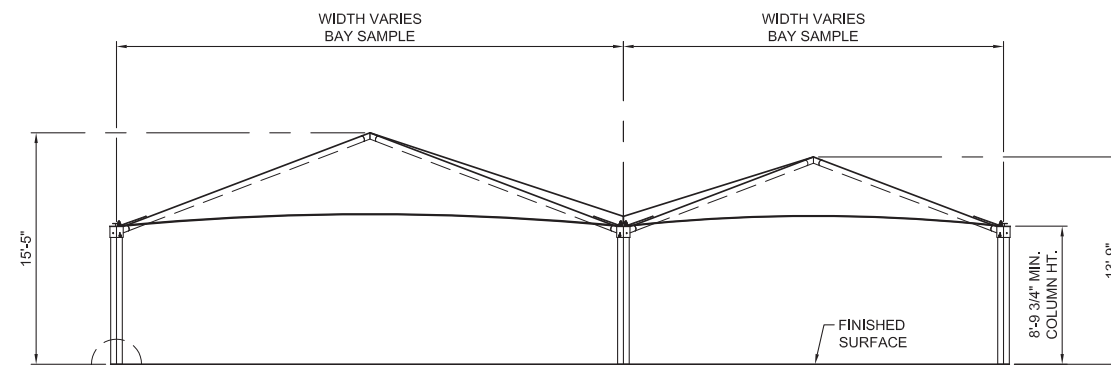
DETAIL 1

DETAIL 3
TYPICAL FABRIC CONNECTION
TYP. PERIMETER CROWNS



DETAIL 2

FABRIC CONNECTION TYPICAL
FOR ALL CENTER CROWNS



SIDE ELEVATION

CASE SUP 2018-10

GENERAL NOTES

DESIGN LOADS

BUILDING CODE	IBC 2012
LIVE LOADS	5 PSF
SNOW LOAD	5 PSF
WIND LOADS	115 MPH ¹
	3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

1.- 115 MPH ACCORDING THE ULTIMATE WIND SPEED MAPS OF ASCE 7-10 IS EQUIVALENT TO THE NOMINAL WIND SPEED OF 90 MPH ACCORDING ASCE 7-05 AND IBC 2012 EQ 16-32.

STRUCTURAL STEEL

1.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED, TYPICAL MECHANICAL PROPERTIES FOR HSS PRODUCTS:

SQUARE AND RECTANGULAR	50,000 PSI YIELD / 62,000 PSI TENSILE
ROUND PIPE	46,000 PSI YIELD / 62,000 PSI TENSILE

2.- ALL GALVANIZED STEEL TUBE PRODUCTS ARE MANUFACTURED PER ASTM A500, TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR GALVANIZED TUBE PRODUCTS:

ROUND TUBE	45,000 PSI YIELD / 48,000 PSI TENSILE
------------	---------------------------------------

3.- ALL PLATES SHALL COMPLY WITH ASTM A572 GRADE 50.

4.- ALL STEEL TUBING SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS, TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

5.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

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8.- ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM A325 TYPE 1 OR A490 TYPE 1. ALL NUTS SHALL COMPLY WITH ASTM A563DH, AND WASHERS SHALL COMPLY WITH ASTM F436.

9.- ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION.

10.- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, ALLOY GROUP 1 OR 2 ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 1 OR 2.

11.- ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT (2.5 TO 3.5 MILS THICK MIN). THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:

- PENCIL HARDNESS (ASTM D-3363)
- HUMIDITY (ASTM D-2247)
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNES

FABRIC SPECIFICATION

1.- FABRIC SHALL BE A HIGH DENSITY POLYETHYLENE WITH ULTRA VIOLET ADDITIVES, WITH MONOFILAMENT AND TAPE CONSTRUCTION GIVING A STABLE MATERIAL AND RACHEL KNITTED TO ENSURE MATERIAL WILL NOT UNRAVEL IF CUT.

2.- FABRIC SPECIFICATIONS:

	<u>SOLID COLORS</u>	<u>STRIPE COLORS</u>
- FADING	MINIMUM FADING AFTER 5 YEARS	
- LIFE EXPECTANCY	A MINIMUM OF 8 YEARS CONTINUOUS	

EXPOSURE TO THE SUN

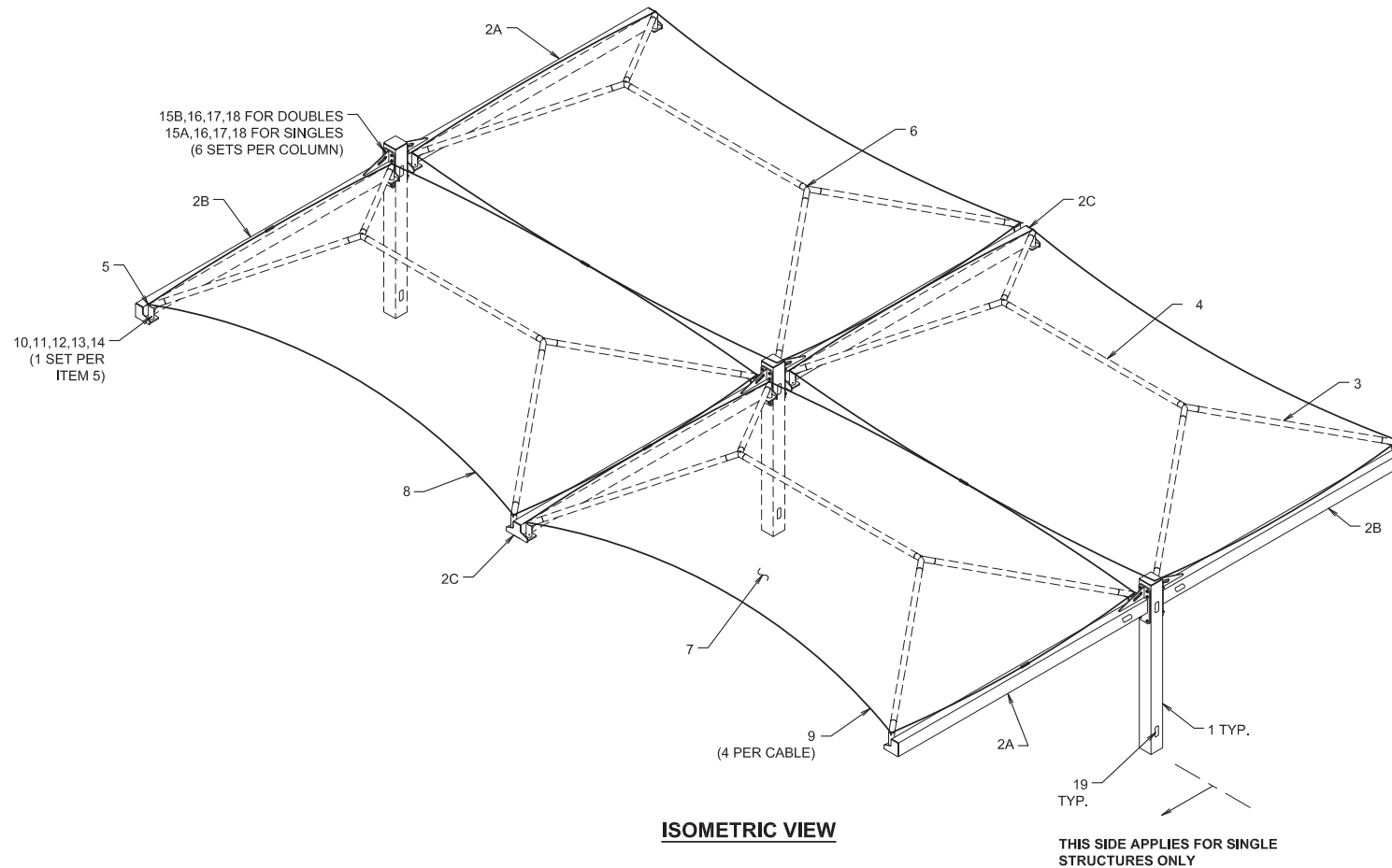
3.- FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84

4.- THREAD-PTFE (TEFLON) USED MEET THE FOLLOWING SPECIFICATIONS: HIGH STRENGTH, LOW SHRINKAGE, WIDE TEMPERATURE RANGE, FLEX & ABRASION RESISTANT AND UV RADIATION IMMUNITY. LOCKSTITCH - 1200 DENIER. CHAINSTITCH THREAD - 2400 DENIER.

AIRCRAFT CABLE

1.- WIRE ROPE CABLE SHALL BE 7x19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 14,400 LBS (3/8" DIAMETER).

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUNT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTENING VISITS AS REQUIRED.



ISOMETRIC VIEW

THIS SIDE APPLIES FOR SINGLE STRUCTURES ONLY

LIST OF MATERIALS (PROJECT TOTALS)

ITEM	QTY.	DESCRIPTION	MATERIAL / DWG.	SMI PART No.
1	TBD	COLUMN (ELECTRICAL)	HSS 10.0 x 10.0 x 0.375	N/A
2A	TBD	RIGHT CANTILEVER BEAM (ELECTRICAL)	HSS 10.0 x 6.00 x 0.375	N/A
2B	TBD	LEFT CANTILEVER BEAM (ELECTRICAL)	HSS 10.0 x 6.00 x 0.375	N/A
2C	TBD	CENTER CANTILEVER BEAM (ELECTRICAL)	HSS 10.0 x 6.00 x 0.375	N/A
3	TBD	EXTENSION	4.0 GA 8 RD. TUBING	N/A
4	TBD	RIDGE (ELECTRICAL)	4.0 GA 8 RD. TUBING	N/A
5	TBD	RAFTER	4.0 GA 8 RD. TUBING	N/A
6	TBD	CROSSPIECE (ELECTRICAL)	4.0 GA 8 RD. TUBING	N/A
7	TBD	FABRIC TOP CANT	EXTREME 32	AREA & WEIGHT VARIES
8	TBD	3/8" STEEL CABLE	GALVANIZED	LENGTH VARIES
9	TBD	3/8" CABLE CLAMP	GALVANIZED	307629
10	TBD	Ø1/2"-13NC x 5" HEX BOLT	18-8 SS	307980
11	TBD	Ø1/2"-13NC HEX NUT	18-8 SS	307621
12	TBD	Ø1/2" FLAT WASHER	18-8 SS	307645
13	TBD	Ø1/2" FLAT WASHER	DELTRIN (ACETAL)	308083
14	TBD	Ø1/2" SPLIT LOCK WASHER	18-8 SS	117028
15A	TBD	Ø3/4"-10NC x 13" HEX BOLT	ASTM A325 GALVANIZED	307984
15B	TBD	Ø3/4"-10NC x 14" HEX BOLT	ASTM A325 GALVANIZED	307985
16	TBD	Ø3/4"-10NC HEX NUT	ASTM A563 GALVANIZED	307687
17	TBD	Ø3/4" SPLIT LOCK WASHER	ASTM F436 GALVANIZED	307832
18	TBD	Ø3/4" FLAT WASHER	ASTM F436 GALVANIZED	307624
19	TBD	HANDHOLE COVER KIT	5" x 5" HANDHOLE COVER KIT	HHC0V KIT-55
20	TBD	ANCHOR ROD SET 1-1/4" x 36"	F1554 GR55	307615

CODE ANALYSIS				
BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQF)	OCCUPANT LOAD
SHADE STRUCTURE TOTAL PROJECT	U	V-B	TBD	N/A

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CORPORATE HEADQUARTERS
8505-A CHANCELLOR ROW
DALLAS, TX, 75247
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
AUTONATION INC.

PROJECT NAME:
**HYUNDAI
N. RICHLAND HILLS**
LOCATION:
**NORTH RICHLAND HILLS
TX**
PROJECT NUMBER:
1002

STRUCTURE TYPE:
**SINGLE & DOUBLE JOINED
HERITAGE CANTILEVERS**
SIZE:
VARIOUS

SCALE : AS NOTED

DRAWING SIZE: **B**

DATE	DRW	CHK	ENG	DESCRIPTION	RELEASE FOR CONSTRUCTION	
					AK	JO
05/26/17					AK	JO
NC						REV

Eng. By : AK 05/26/17

Design By : SA 05/26/17

Approved By : SA 05/26/17

DRAWING DESCRIPTION:

NOTES / LOM

DWG. **1002-1.0**

PAGE **1000**

REV. **NC**

PLAN NORTH

 FOR TRUE NORTH
 SEE CUSTOMER'S
 SITE PLAN

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CORPORATE HEADQUARTERS
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 DALLAS, TX, 75247
 800-966-5005

CERTIFICATIONS:
 IAS CERTIFICATION No: FA-428
 CLARK COUNTY MANUFACTURER
 CERTIFICATION NUMBER (NEVADA): 355

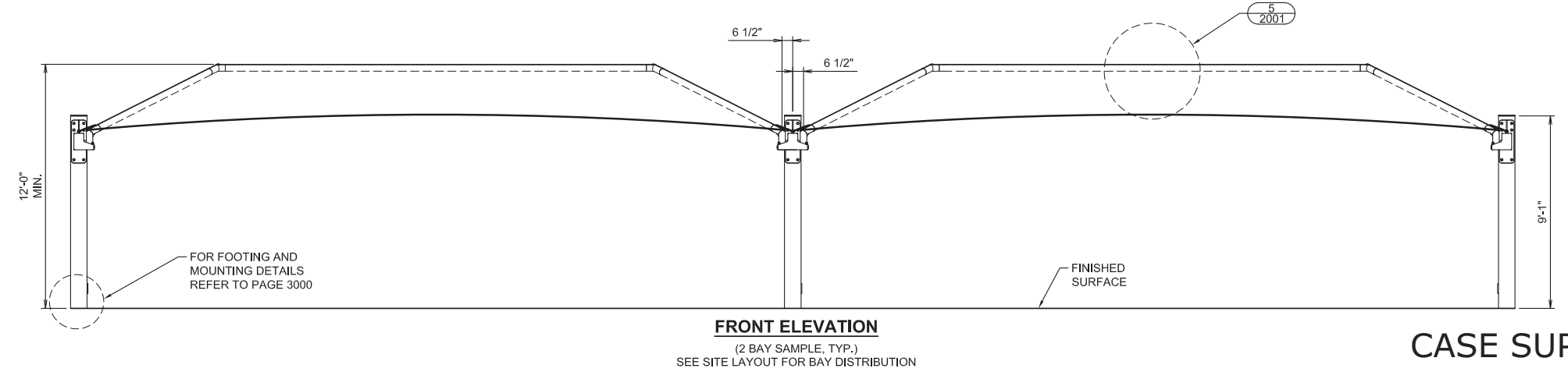
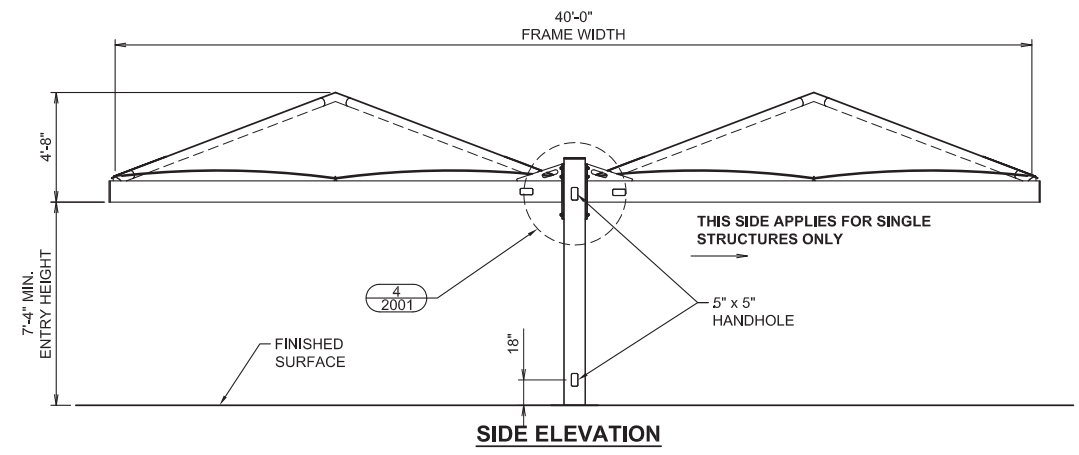
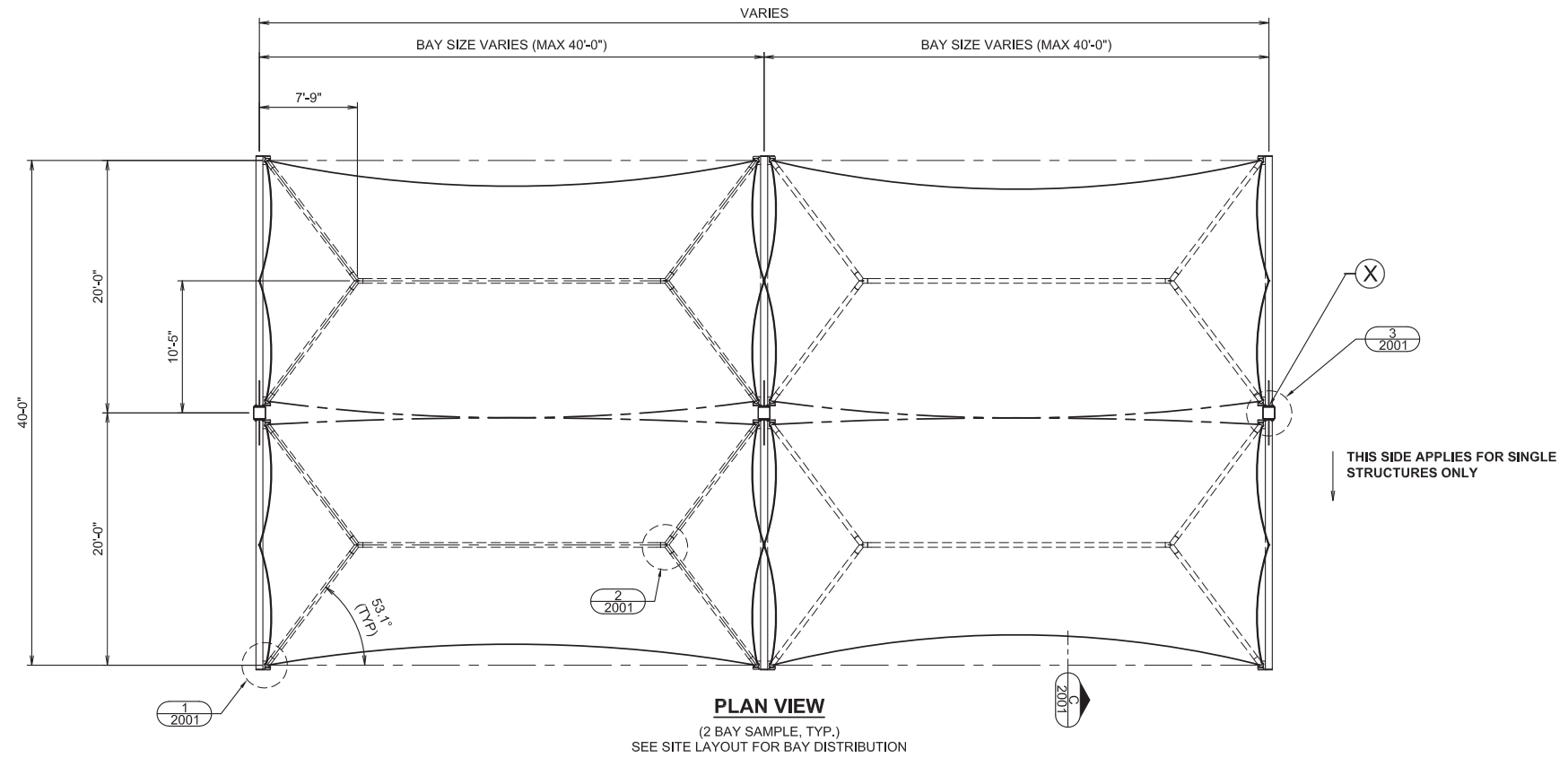
CUSTOMER:
AUTONATION INC.

PROJECT NAME:
**HYUNDAI
 N. RICHLAND HILLS**
 LOCATION:
**NORTH RICHLAND HILLS
 TX**
 PROJECT NUMBER:
1002

STRUCTURE TYPE:
**SINGLE & DOUBLE JOINED
 HERITAGE CANTILEVERS**
 SIZE:
VARIOUS

SCALE : AS NOTED

DRAWING SIZE: **B**

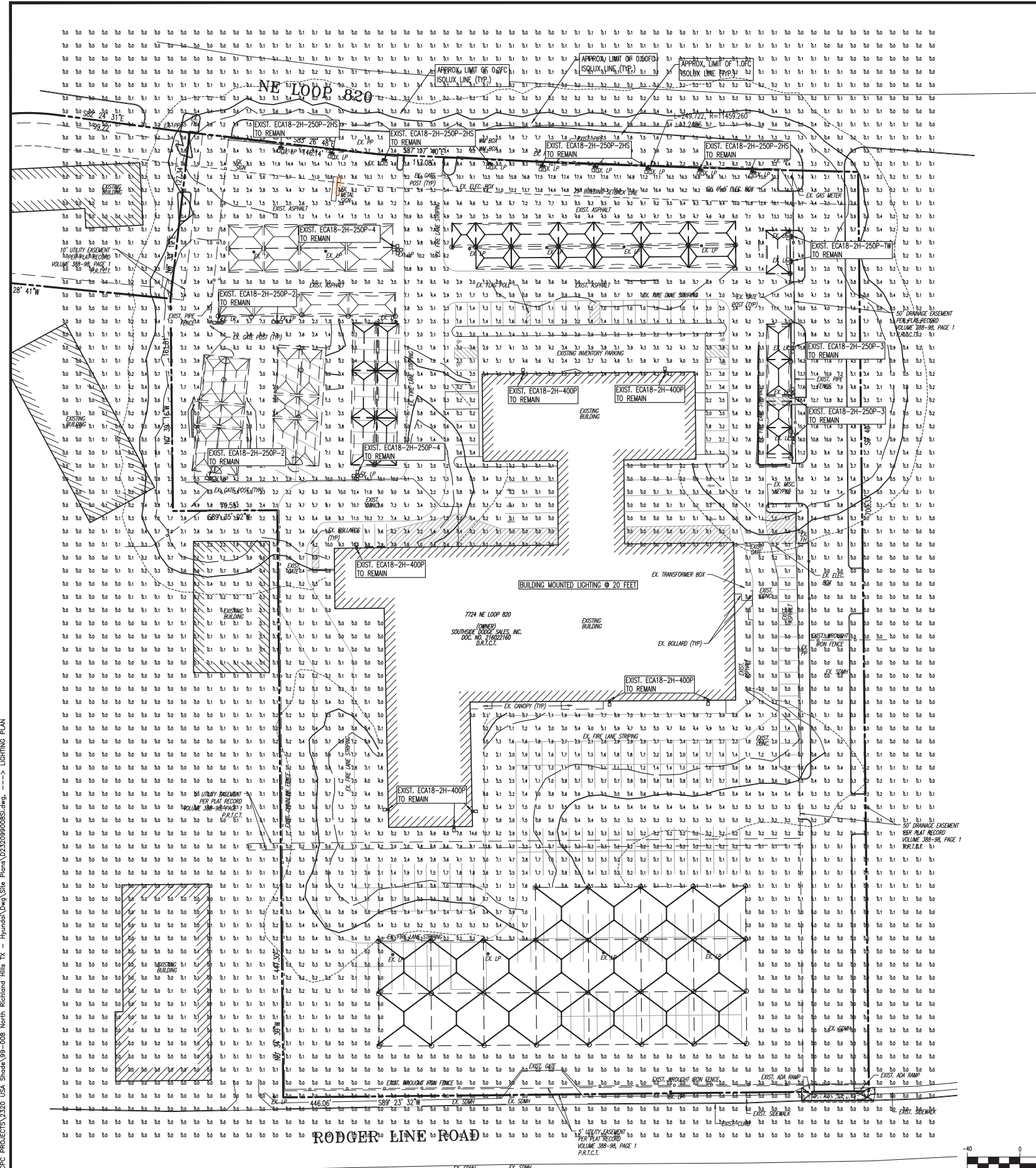
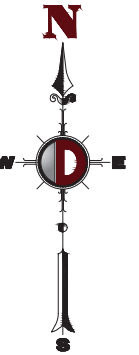


CASE SUP 2018-10

NO	DATE	DESCRIPTION	DRW	CHK	ENG
05/26/17 <td>AK <td>RELEASE FOR CONSTRUCTION <td></td> <td></td> <td></td> </td></td>	AK <td>RELEASE FOR CONSTRUCTION <td></td> <td></td> <td></td> </td>	RELEASE FOR CONSTRUCTION <td></td> <td></td> <td></td>			

Eng. By : AK 05/26/17
 Design By : SA 05/26/17
 Approved By : SA 05/26/17

DRAWING DESCRIPTION:
VIEWS & DETAILS
 DWG. **1002-1.0**
 PAGE **2000**
 REV. **NC**



GENERAL NOTES

1. THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. ALL EXISTING CONDITIONS LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
3. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
4. ALL EXISTING LIGHTING CONDITIONS HAVE BEEN OBTAINED FROM SITE VISITS. LIGHTING LEVEL BENEATH HAIL NET STRUCTURES ARE NOT SHOWN.

EXISTING LUMINAIRE SCHEDULE

Symbol	Qty	Label	MOUNTING POLE HEIGHT	Arrangement	Total Lamp Lumens	LLF	Description	Filename
	8	ECA18-2H-400P	20 FT	SINGLE @ 45 DEGREE TILT	40000	1.0000	Ecoluma, 18inch Housing, Type II Horizontal Lamp, 400W PS	ECA18-2H-250P-IES
	9	ECA18-2H-250P-2HS	25 FT	TWIN FIXTURE HEADS	22000	1.0000	Ecoluma, 18inch Housing, Type II Horizontal Lamp, 250W PS Twin Fixture Heads with Shield	ECA18-2H-250P-IESLIES
	2	ECA18-2H-250P-TW	25 FT	TWIN FIXTURE HEADS	22000	1.0000	Ecoluma, 18inch Housing, Type II Horizontal Lamp, 250W PS Twin Fixture Heads	ECA18-2H-250P-IES
	3	ECA18-2H-250P-2	25 FT	BACK TO BACK	22000	1.0000	Ecoluma, 18inch Housing, Type II Horizontal Lamp, 250W PS Back to Back	ECA18-2H-250P-IES
	3	ECA18-2H-250P-3	25 FT	3 @ 90 DEGREES	22000	1.0000	Ecoluma, 18inch Housing, Type II Horizontal Lamp, 250W PS 3 @ 90 degrees	ECA18-2H-250P-IES
	2	ECA18-2H-250P-4	25 FT	4 @ 90 DEGREES	22000	1.0000	Ecoluma, 18inch Housing, Type II Horizontal Lamp, 250W PS 4 @ 90 degrees	ECA18-2H-250P-IES

CASE NO. SUP 2018-10

DYNAMIC ENGINEERING
 LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING
 14521 Old Katy Road, Suite 200, Houston, TX 77079 | 281-289-6400 | 1501 Central Expressway, Suite 210, Allen, TX 75013
 1954 Main Street, Lakeside, CA 94020 | 708-794-3201 | 245 Main Street, Suite 110, Chester, NJ 07030 | 908-879-9299 | 908-879-0222
 780 Westwood Boulevard, Suite 400, Park Ridge, IL 60068 | 708-465-0200 | 1108 West Street, Suite 100, North Fort Lauderdale, FL 33444 | 754-944-0100

TITLE: **LIGHTING PLAN**

PROJECT: VPS HYUNDAI N. RICHLAND HILLS LOT A3, AR1A 7724 NE LOOP 820 CITY OF NORTH RICHLAND HILLS

JOB No: 2320-99-008 DATE: 09/21/18

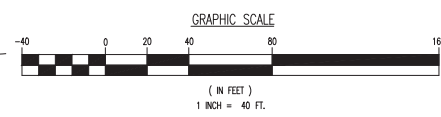
DRAWN BY: BDG SCALE: (H) AS (V) SHOWN

DESIGNED BY: JTE SHEET No: 1 OF 1

CHECKED BY: JTE

CONSTRUCTION CHECK DATE

REC Client Code: 2320



Plotter: 10/22/18 - 11:39 AM By: bpaudt, File: P:\EPCF PROJECTS\2320 USA Blvd\09-08 North Richland Hills TX - Hyundai\DWG Site Plans\032320990805.dwg, --> LIGHTING PLAN

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.



CORPORATE HEADQUARTERS
8505-A CHANCELLOR ROW
DALLAS, TX, 75247
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER
CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
AUTONATION INC.

PROJECT NAME:
CDJR
N. RICHLAND HILLS
LOCATION:
NORTH RICHLAND HILLS
TX
PROJECT NUMBER:
1001

STRUCTURE TYPE:
HERITAGE CANTILEVERS & DIAMOND PROTECTORS

SIZE:
VARIOUS

SCALE: ENGINEERING

DRAWING SIZE: D

JO	ENG
JO	CHK
SA	DRW
DATE	10/19/18
DESCRIPTION	RELEASE FOR FABRICATION
REV	NC

Eng. By : JO 10/19/18

Design By : SA 10/19/18

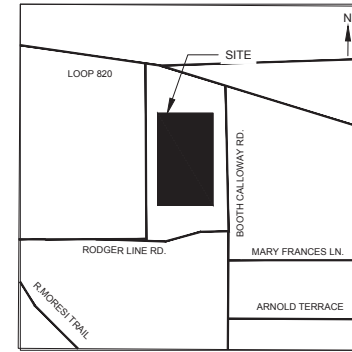
Approved By : JO 10/19/18

DRAWING DESCRIPTION:
SITE PLAN

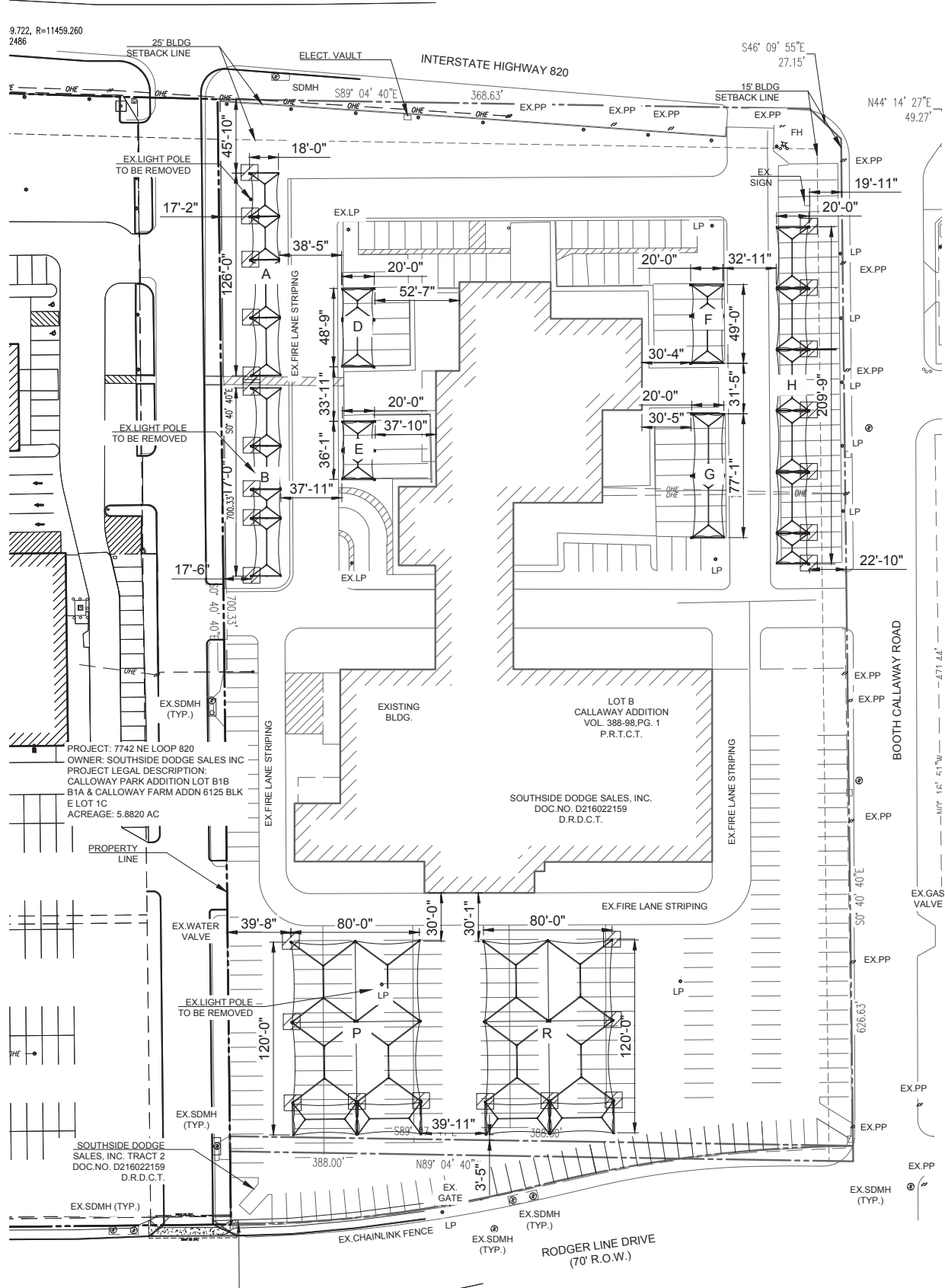
DWG. **62998-1.8**

PAGE **4000**

REV. **NC**

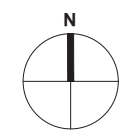


VICINITY MAP
N.T.S.



CODE ANALYSIS							
BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQF)	OCCUPANT LOAD	COLUMNS	TYPE OF HAIL NET	REFERENCE FOR COLUMN SUPPORT
A	S2	2-B	2268	N/A	5	SINGLE HERITAGE CANTILEVER	1001-1.0-3000
B	S2	2-B	2106	N/A	5	SINGLE HERITAGE CANTILEVER	1001-1.0-3000
D	S2	2-B	975	N/A	3	SINGLE HERITAGE CANTILEVER	1001-1.0-3000
E	S2	2-B	722	N/A	3	SINGLE HERITAGE CANTILEVER	1001-1.0-3000
F	S2	2-B	980	N/A	3	SINGLE HERITAGE CANTILEVER	1001-1.0-3000
G	S2	2-B	1542	N/A	3	SINGLE HERITAGE CANTILEVER	1001-1.0-3000
H	S2	2-B	4195	N/A	7	SINGLE HERITAGE CANTILEVER	1001-1.0-3000
P	S2	2-B	9600	N/A	9	CUSTOM PROTECTOR CANTILEVER	1001-2.0-3000
R	S2	2-B	9600	N/A	9	CUSTOM PROTECTOR CANTILEVER	1001-2.0-3000
TOTAL			31988		47		

☒ COLUMNS TO BE WRAPPED



SITE PLAN
SCALE 1:40 (ENGINEERING)
CASE SUP 2018-10

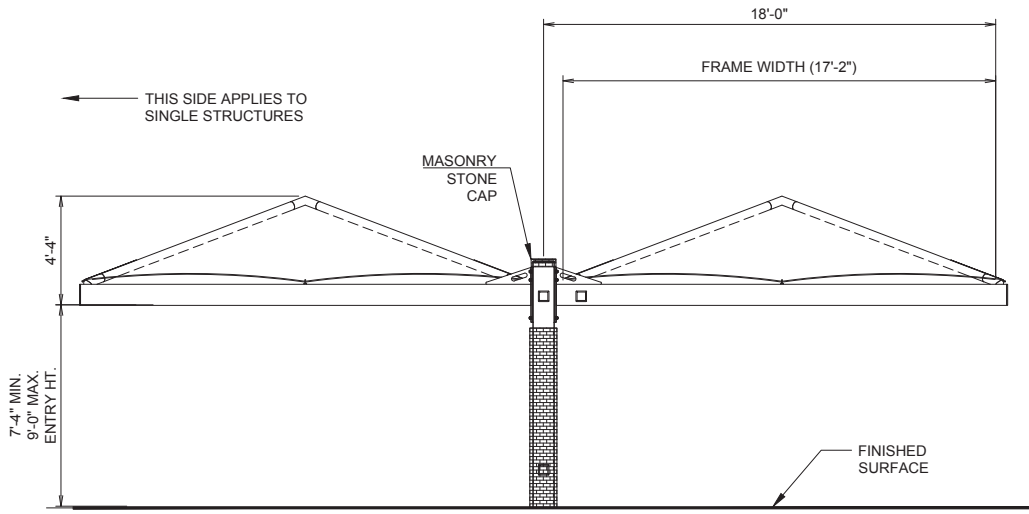
PROJECT: 7742 NE LOOP 820
OWNER: SOUTHSIDE DODGE SALES INC
PROJECT LEGAL DESCRIPTION:
CALLOWAY PARK ADDITION LOT B1B
B1A & CALLOWAY FARM ADDN 6125 BLK
E LOT 1C
ACREAGE: 5.8820 AC

SOUTHSIDE DODGE SALES, INC. TRACT 2
DOC. NO. D216022159
D.R.D.C.T.

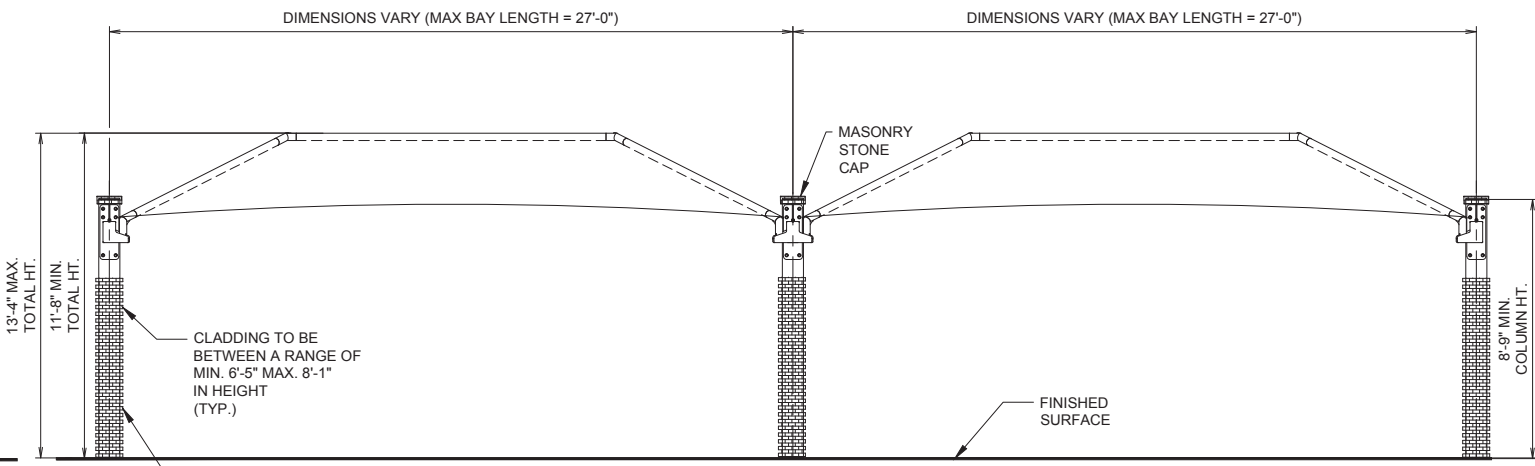
LOT B CALLOWAY ADDITION
VOL. 388-98.PG. 1
P.R.T.C.T.

SOUTHSIDE DODGE SALES, INC.
DOC. NO. D216022159
D.R.D.C.T.

MATERIAL: LIMESTONE BRICK
 COLOR- LIGHT
 NOTE: CLADDING IS ONLY FOR THE EXTERNAL COLUMNS



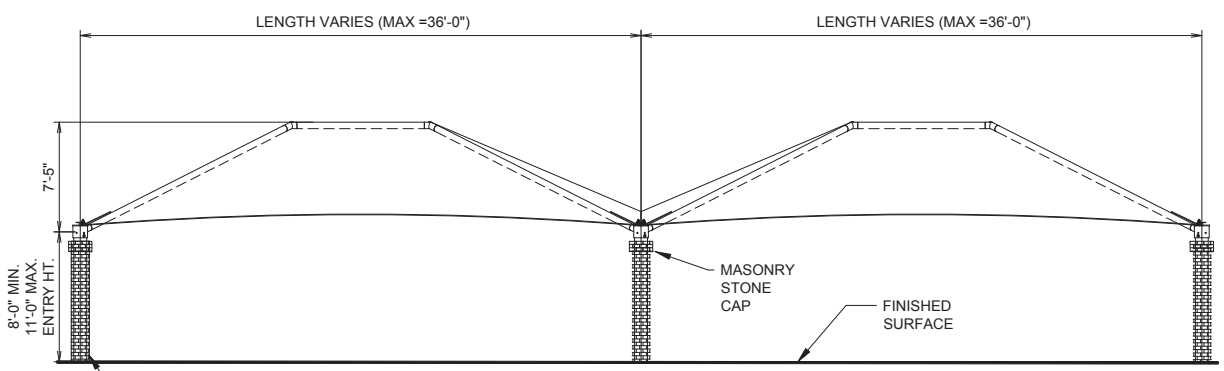
SIDE ELEVATION
 (1 BAY SAMPLE, TYP.)
 SEE SITE LAYOUT FOR BAY DISTRIBUTION
 APPLIES TO SINGLE & DOUBLE HERITAGE CANTILEVERS



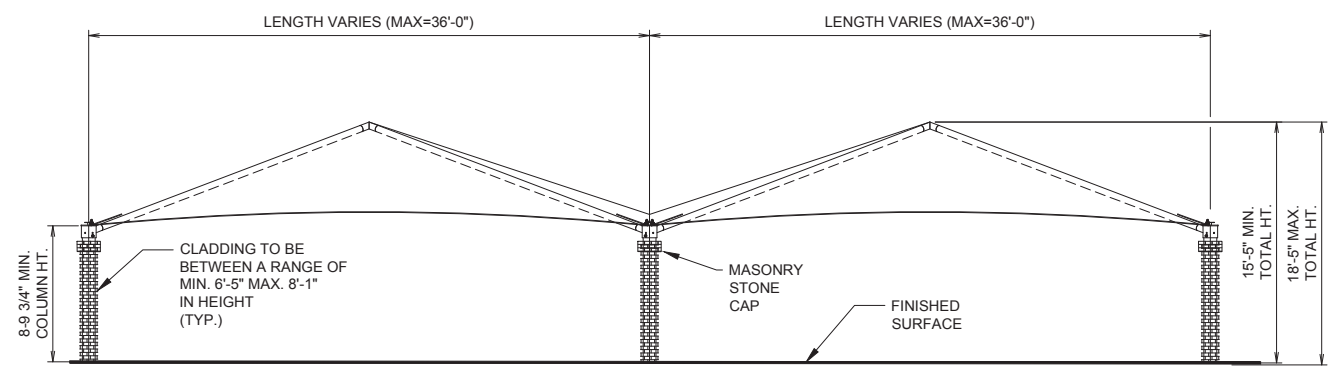
FRONT ELEVATION
 (2 BAY SAMPLE, TYP.)
 SEE SITE LAYOUT FOR BAY DISTRIBUTION
 APPLIES TO SINGLE & DOUBLE HERITAGE CANTILEVERS

ELEVATIONS
 HERITAGE CANTILEVERS

NOTE:
 HEIGHT OF CLADDING OF EACH COLUMN WILL VARY DEPENDING
 ON THE ELEVATIONS AT EACH LOCATION



SIDE ELEVATION
 (2 BAY SAMPLE, TYP.)
 SEE SITE LAYOUT FOR BAY DISTRIBUTION
 MINIMUM 1IN. THK MASONRY MATERIAL AROUND PERIMETER COLUMNS



FRONT ELEVATION
 (2 BAY SAMPLE, TYP.)
 SEE SITE LAYOUT FOR BAY DISTRIBUTION

ELEVATIONS
 DIAMOND PROTECTORS

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CORPORATE HEADQUARTERS
 8505-A CHANCELLOR ROW
 DALLAS, TX, 75247
 800-966-5005

CERTIFICATIONS:
 IAS CERTIFICATION No: FA-428
 CLARK COUNTY MANUFACTURER
 CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
AUTONATION INC.
 PROJECT NAME:
CDJR N.RICHLAND HILLS
 LOCATION:
NORTH RICHLAND HILLS, TX
 PROJECT NUMBER:
62998

STRUCTURE TYPE:
HERITAGE CANTILEVERS & DIAMOND PROTECTORS
SIZE:
VARIOUS

SCALE : AS NOTED
DRAWING SIZE: **B**

RELEASE FOR FABRICATION	DATE	DRW	CHK	ENG	NC	REV
					SA	JO
	10/19/18					

Eng. By : JO 10/19/18
 Design By : SA 10/19/18
 Approved By : JO 10/19/18

DRAWING DESCRIPTION:
PERIMETER CLADDED ELEVATIONS

DWG. **62998-1.0**
 PAGE **5000**
 REV. **NC**

GENERAL NOTES

DESIGN LOADS

BUILDING CODE	IBC 2012
LIVE LOADS	5 PSF
SNOW LOAD	5 PSF
WIND LOADS	115 MPH ¹ 3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

1.- 115 MPH ACCORDING THE ULTIMATE WIND SPEED MAPS OF ASCE 7-10 IS EQUIVALENT TO THE NOMINAL WIND SPEED OF 90 MPH ACCORDING ASCE 7-05 AND IBC 2012 EQ 16-32.

STRUCTURAL STEEL

1.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED, TYPICAL MECHANICAL PROPERTIES FOR HSS PRODUCTS:
 SQUARE AND RECTANGULAR 50,000 PSI YIELD / 62,000 PSI TENSILE
 ROUND PIPE 46,000 PSI YIELD / 62,000 PSI TENSILE

2.- ALL GALVANIZED STEEL TUBE PRODUCTS ARE MANUFACTURED PER ASTM A500, TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR GALVANIZED TUBE PRODUCTS:
 ROUND TUBE 45,000 PSI YIELD / 48,000 PSI TENSILE

3.- ALL PLATES SHALL COMPLY WITH ASTM A572 GRADE 50.

4.- ALL STEEL TUBING SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

5.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

6.- ALL SHOP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1 SPECIFICATIONS. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN, UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE WEAKER MEMBER. ALL WELDS SHALL BE MADE USING E70XX .045 WIRE.

7.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED), ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" UNLESS OTHERWISE NOTED. FIELD WELDS SHALL NOT BE ALLOWED.

8.- ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM A325 TYPE 1 OR A490 TYPE 1. ALL NUTS SHALL COMPLY WITH ASTM A563DH, AND WASHERS SHALL COMPLY WITH ASTM F436.

9.- ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION.

10.- ALL STAINLESS STEEL BOLTS / STUDS SHALL COMPLY WITH ASTM F-593, ALLOY GROUP 1 OR 2 ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 1 OR 2.

11.- ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT (2.5 TO 3.5 MILS THICK MIN). THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:

- PENCIL HARDNESS (ASTM D-3363)
- HUMIDITY (ASTM D-2247)
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNES

FABRIC SPECIFICATION

1.- FABRIC SHALL BE A HIGH DENSITY POLYETHYLENE WITH ULTRA VIOLET ADDITIVES, WITH MONOFILAMENT AND TAPE CONSTRUCTION GIVING A STABLE MATERIAL AND RACHEL KNITTED TO ENSURE MATERIAL WILL NOT UNRAVEL IF CUT.

2.- FABRIC SPECIFICATIONS: SOLID COLORS STRIPE COLORS
 - FADING MINIMUM FADING AFTER 5 YEARS
 - LIFE EXPECTANCY A MINIMUM OF 8 YEARS CONTINUOUS EXPOSURE TO THE SUN

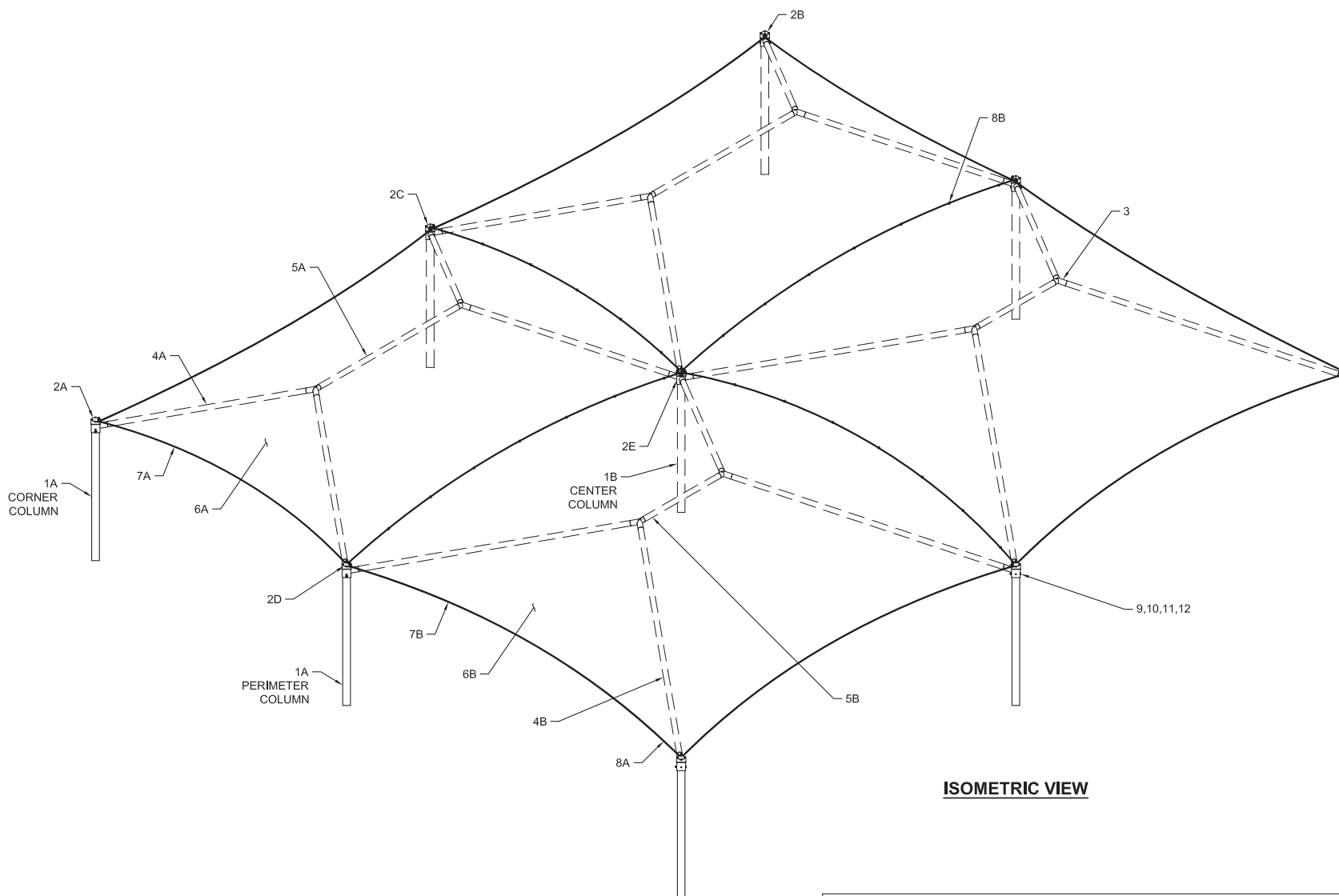
3.- FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84

4.- THREAD-PTFE (TEFLON) USED MEET THE FOLLOWING SPECIFICATIONS: HIGH STRENGTH, LOW SHRINKAGE, WIDE TEMPERATURE RANGE, FLEX & ABRASION RESISTANT AND UV RADIATION IMMUNITY. LOCKSTITCH - 1200 DENIER, CHAINSTITCH THREAD - 2400 DENIER.

AIRCRAFT CABLE

1.- WIRE ROPE CABLE SHALL BE 7x19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 14,400 LBS (3/8" DIAMETER).

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUNT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTENING VISITS AS REQUIRED.



ISOMETRIC VIEW

LIST OF MATERIALS

ITEM	QTY.	DESCRIPTION	MATERIAL / DWG	SMI PART NO.
1A	TBD	COLUMN CORNER & PERIMETER	HSS 7 x 7 x 0.375	N/A
1B	TBD	COLUMN CENTER	HSS 7 x 7 x 0.250	N/A
2A	TBD	CROWN SINGLE RIGHT	HSS 8 x 8 x 0.375	N/A
2B	TBD	CROWN SINGLE LEFT	HSS 8 x 8 x 0.375	N/A
2C	TBD	CROWN DOUBLE LONG SIDE	HSS 8 x 8 x 0.375	N/A
2D	TBD	CROWN DOUBLE SHORT SIDE	HSS 8 x 8 x 0.375	N/A
2E	TBD	CROWN CENTER	HSS 8 x 8 x 0.375	N/A
3	TBD	CROSSPIECE	5.0 GA. 7 RD. TUBE	N/A
4A	TBD	EXTENSION	5.0 GA. 7 RD. TUBE	LENGTH VARIES
4B	TBD	EXTENSION	5.0 GA. 7 RD. TUBE	LENGTH VARIES
5A	TBD	RIDGE	5.0 GA. 7 RD. TUBE	LENGTH VARIES
5B	TBD	RIDGE	5.0 GA. 7 RD. TUBE	LENGTH VARIES
6A	TBD	FABRIC TOP (CUSTOM)	EXTREME 32	LENGTH VARIES
6B	TBD	FABRIC TOP (CUSTOM)	EXTREME 32	LENGTH VARIES
7A	TBD	3/8" STEEL CABLE	GALVANIZED CABLE	LENGTH VARIES
7B	TBD	3/8" STEEL CABLE	GALVANIZED CABLE	LENGTH VARIES
8A	TBD	Ø3/8" CABLE CLAMP	GALVANIZED	307629
8B	TBD	Ø1/2" CABLE CLAMP	GALVANIZED	307627
9	TBD	Ø3/4"-10NC x 9 1/2" HEX BOLT	ASTM A325 GALVANIZED	308328
10	TBD	Ø3/4"-10NC HEX NUT	ASTM A563 GALVANIZED	307687
11	TBD	Ø3/4" SPLIT LOCK WASHER	ASTM F436 GALVANIZED	307832
12	TBD	Ø3/4" FLAT WASHER	ASTM F436 GALVANIZED	307624

CODE ANALYSIS

BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQF)	OCCUPANT LOAD
SHADE STRUCTURE	U	V-B	TBD	N/A
DIAMOND PROTECTORS				

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 DALLAS, TX, 75247
 800-966-5005

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 IAS CERTIFICATION NO: FA-428
 CLARK COUNTY MANUFACTURER
 CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
AUTONATION INC.

PROJECT NAME:
 CDJR
N. RICHLAND HILLS
LOCATION:
 NORTH RICHLAND HILLS
 TX
PROJECT NUMBER:
 1002

STRUCTURE TYPE:
DIAMOND PROTECTORS
(FULL CUSTOM)

SIZE:
 VARIES

SCALE : AS NOTED

DRAWING SIZE:
B

RELEASE FOR CONSTRUCTION	AK	JO	JO	ENG
	AK	AK	DRW	CHK
	05/26/17	DATE		
	NC	REV		

Eng. By : AK 05/26/17
 Design By : SA 05/26/17
 Approved By : SA 05/26/17

DRAWING DESCRIPTION:

NOTES / LOM

DWG. **1002-2.0**

PAGE **1000**

REV. **NC**

CASE SUP 2018-10

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CERTIFICATION NUMBER (NEVADA): 355

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AUTONATION INC.

PROJECT NAME:
CDJR
N. RICHLAND HILLS
LOCATION:
NORTH RICHLAND HILLS TX
PROJECT NUMBER:
1002

STRUCTURE TYPE:
DIAMOND PROTECTORS (FULL CUSTOM)

SIZE:
VARIES

SCALE : AS NOTED

DRAWING SIZE: **B**

NO	DATE	DESCRIPTION	DRW	CHK	ENG
05/26/17			AK	JO	JO

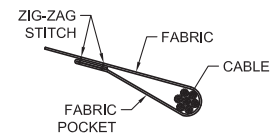
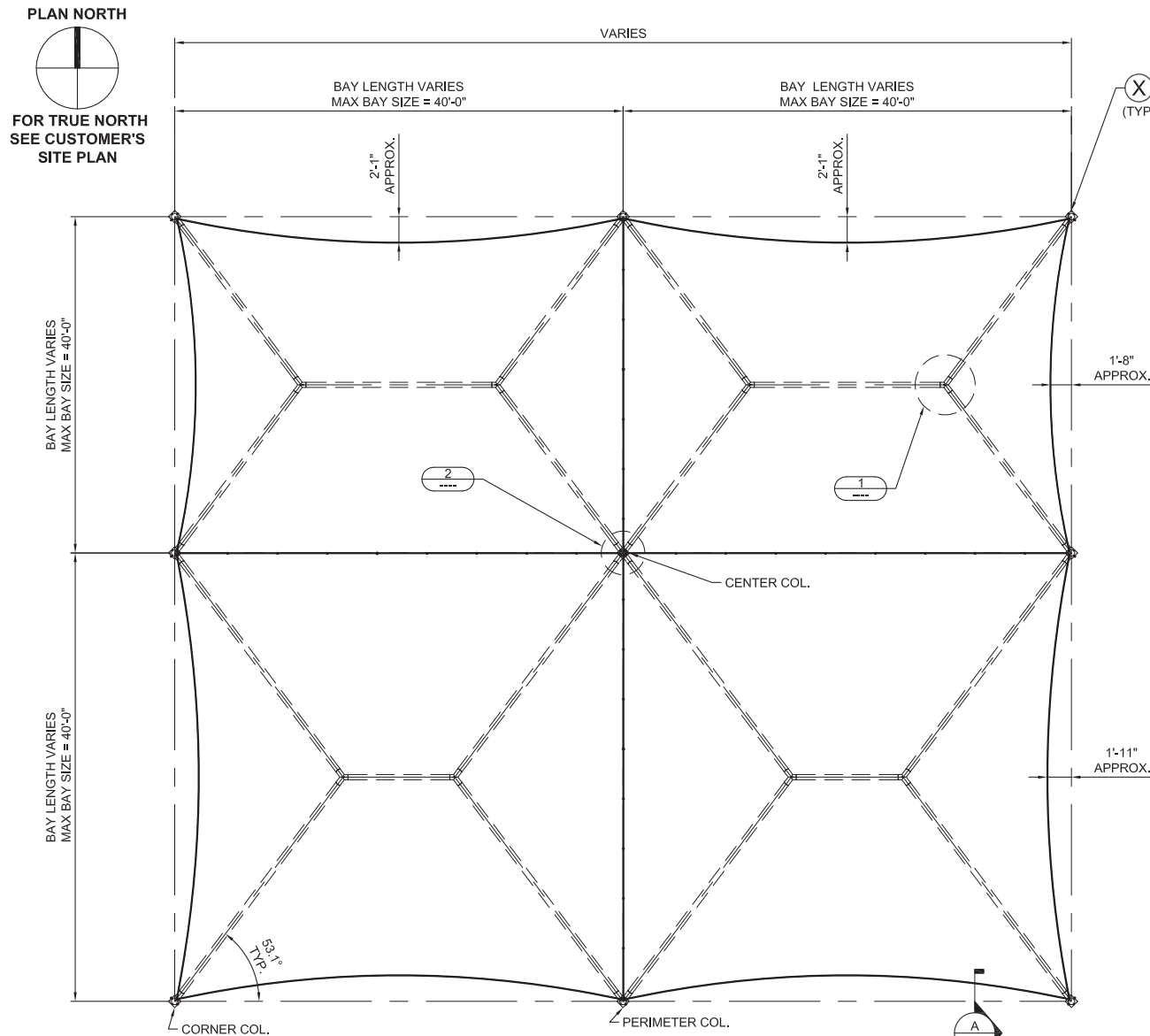
Eng. By : AK 05/26/17
Design By : SA 05/26/17
Approved By : SA 05/26/17

DRAWING DESCRIPTION:
VIEWS AND DETAILS

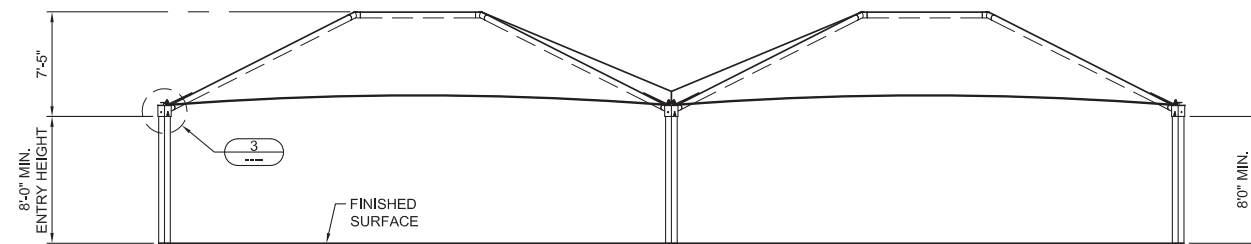
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PAGE **2000**

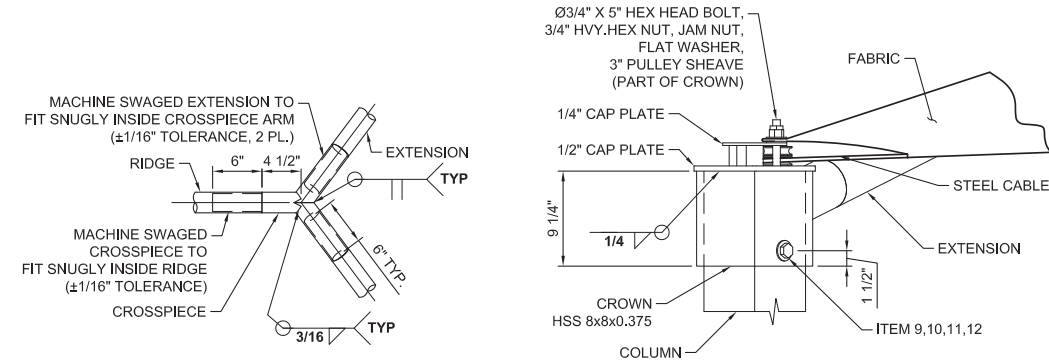
REV. **NC**



SECTION A-A



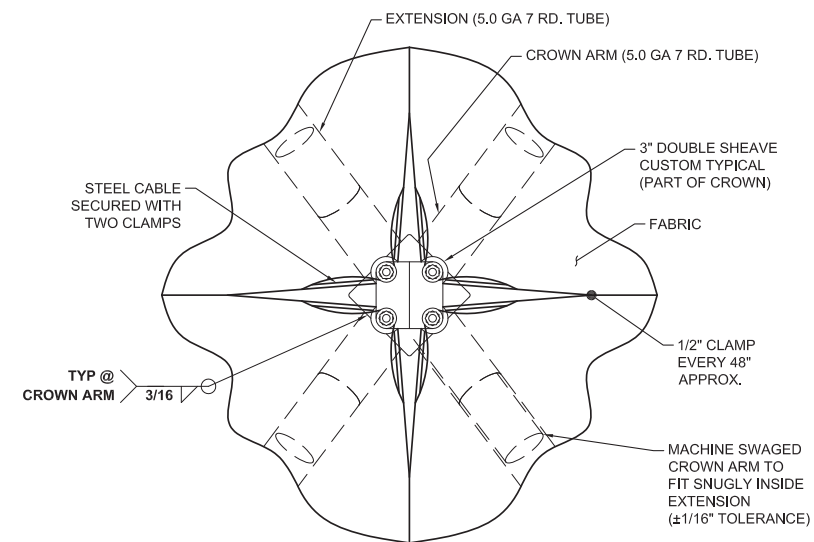
FRONT ELEVATION



DETAIL 1

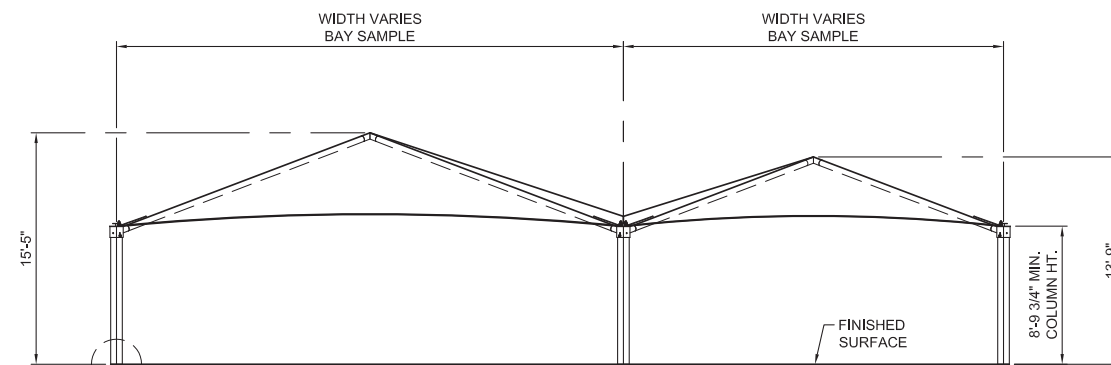
DETAIL 3

TYPICAL FABRIC CONNECTION
TYP. PERIMETER CROWNS



DETAIL 2

FABRIC CONNECTION TYPICAL
FOR ALL CENTER CROWNS



SIDE ELEVATION

CASE SUP 2018-10

GENERAL NOTES

DESIGN LOADS

BUILDING CODE	IBC 2012
LIVE LOADS	5 PSF
SNOW LOAD	5 PSF
WIND LOADS	115 MPH ¹
	3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

1.- 115 MPH ACCORDING THE ULTIMATE WIND SPEED MAPS OF ASCE 7-10 IS EQUIVALENT TO THE NOMINAL WIND SPEED OF 90 MPH ACCORDING ASCE 7-05 AND IBC 2012 EQ 16-32.

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1.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED, TYPICAL MECHANICAL PROPERTIES FOR HSS PRODUCTS:
 SQUARE AND RECTANGULAR 50,000 PSI YIELD / 62,000 PSI TENSILE
 ROUND PIPE 46,000 PSI YIELD / 62,000 PSI TENSILE

2.- ALL GALVANIZED STEEL TUBE PRODUCTS ARE MANUFACTURED PER ASTM A500, TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR GALVANIZED TUBE PRODUCTS:
 ROUND TUBE 45,000 PSI YIELD / 48,000 PSI TENSILE

3.- ALL PLATES SHALL COMPLY WITH ASTM A572 GRADE 50.

4.- ALL STEEL TUBING SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS, TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

5.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

6.- ALL SHOP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1 SPECIFICATIONS. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN, UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE WEAKER MEMBER. ALL WELDS SHALL BE MADE USING E70XX .045 WIRE.

7.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" UNLESS OTHERWISE NOTED. FIELD WELDS SHALL NOT BE ALLOWED.

8.- ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM A325 TYPE 1 OR A490 TYPE 1. ALL NUTS SHALL COMPLY WITH ASTM A563DH, AND WASHERS SHALL COMPLY WITH ASTM F436.

9.- ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION.

10.- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, ALLOY GROUP 1 OR 2 ALL NUTS SHALL COMPLY WITH ASTM F-594 ALLOY GROUP 1 OR 2.

11.- ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT (2.5 TO 3.5 MILS THICK MIN). THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:

- PENCIL HARDNESS (ASTM D-3363)
- HUMIDITY (ASTM D-2247)
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNES

FABRIC SPECIFICATION

1.- FABRIC SHALL BE A HIGH DENSITY POLYETHYLENE WITH ULTRA VIOLET ADDITIVES, WITH MONOFILAMENT AND TAPE CONSTRUCTION GIVING A STABLE MATERIAL AND RACHEL KNITTED TO ENSURE MATERIAL WILL NOT UNRAVEL IF CUT.

2.- FABRIC SPECIFICATIONS: SOLID COLORS STRIPE COLORS
 - FADING MINIMUM FADING AFTER 5 YEARS
 - LIFE EXPECTANCY A MINIMUM OF 8 YEARS CONTINUOUS EXPOSURE TO THE SUN

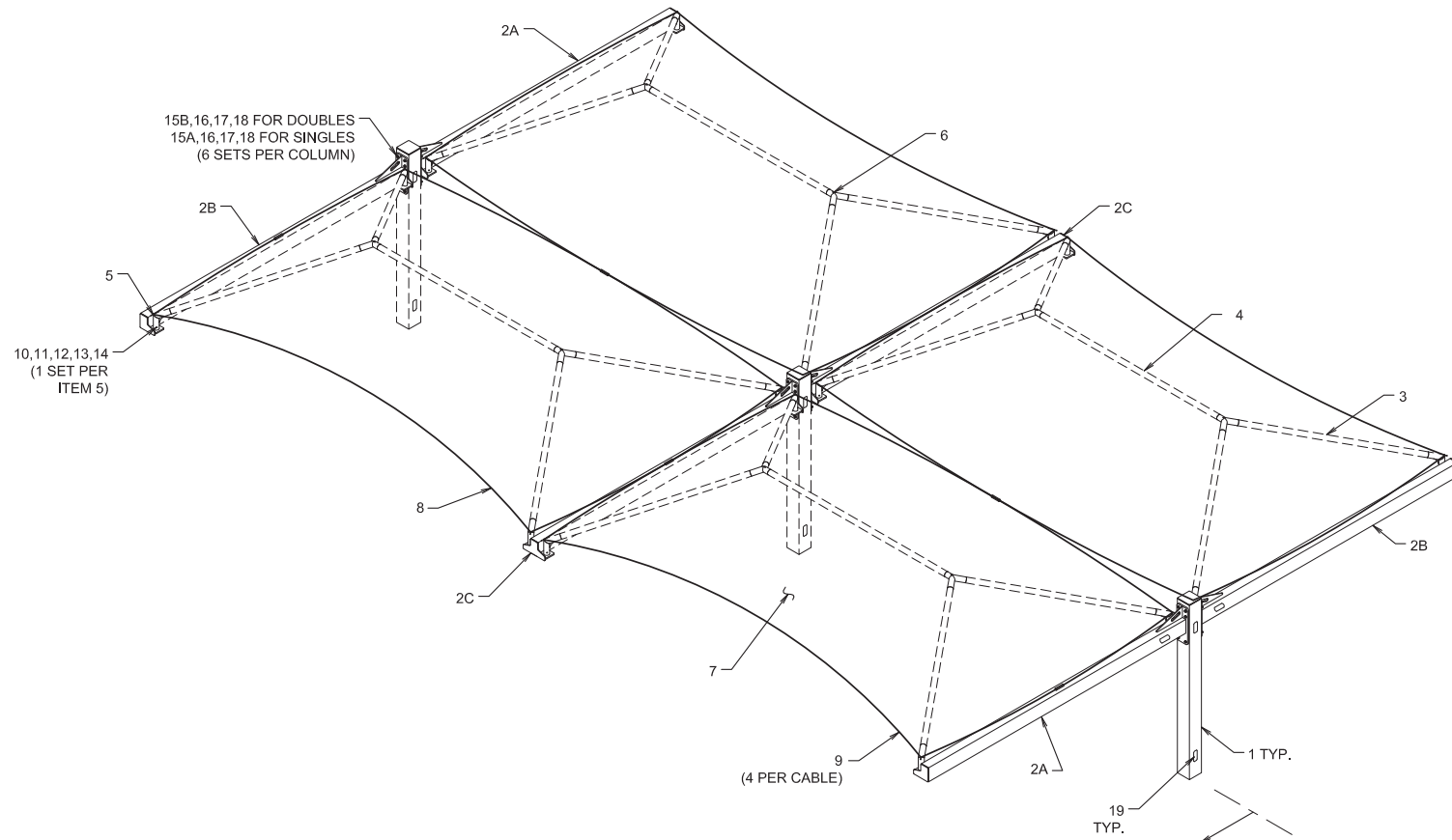
3.- FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84

4.- THREAD-PTFE (TEFLON) USED MEET THE FOLLOWING SPECIFICATIONS: HIGH STRENGTH, LOW SHRINKAGE, WIDE TEMPERATURE RANGE, FLEX & ABRASION RESISTANT AND UV RADIATION IMMUNITY. LOCKSTITCH - 1200 DENIER. CHAINSTITCH THREAD - 2400 DENIER.

AIRCRAFT CABLE

1.- WIRE ROPE CABLE SHALL BE 7x19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 14,400 LBS (3/8" DIAMETER).

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUNT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTENING VISITS AS REQUIRED.



ISOMETRIC VIEW

THIS SIDE APPLIES FOR SINGLE STRUCTURES ONLY

LIST OF MATERIALS (PROJECT TOTALS)

ITEM	QTY.	DESCRIPTION	MATERIAL / DWG.	SMI PART No.
1	TBD	COLUMN (ELECTRICAL)	HSS 10.0 x 10.0 x 0.375	N/A
2A	TBD	RIGHT CANTILEVER BEAM (ELECTRICAL)	HSS 10.0 x 6.00 x 0.375	N/A
2B	TBD	LEFT CANTILEVER BEAM (ELECTRICAL)	HSS 10.0 x 6.00 x 0.375	N/A
2C	TBD	CENTER CANTILEVER BEAM (ELECTRICAL)	HSS 10.0 x 6.00 x 0.375	N/A
3	TBD	EXTENSION	4.0 GA 8 RD. TUBING	N/A
4	TBD	RIDGE (ELECTRICAL)	4.0 GA 8 RD. TUBING	N/A
5	TBD	RAFTER	4.0 GA 8 RD. TUBING	N/A
6	TBD	CROSSPIECE (ELECTRICAL)	4.0 GA 8 RD. TUBING	N/A
7	TBD	FABRIC TOP CANT	EXTREME 32	AREA & WEIGHT VARIES
8	TBD	3/8" STEEL CABLE	GALVANIZED	LENGTH VARIES
9	TBD	3/8" CABLE CLAMP	GALVANIZED	307629
10	TBD	Ø1/2"-13NC x 5" HEX BOLT	18-8 SS	307980
11	TBD	Ø1/2"-13NC HEX NUT	18-8 SS	307621
12	TBD	Ø1/2" FLAT WASHER	18-8 SS	307645
13	TBD	Ø1/2" FLAT WASHER	DELTRIN (ACETAL)	308083
14	TBD	Ø1/2" SPLIT LOCK WASHER	18-8 SS	117028
15A	TBD	Ø3/4"-10NC x 13" HEX BOLT	ASTM A325 GALVANIZED	307984
15B	TBD	Ø3/4"-10NC x 14" HEX BOLT	ASTM A325 GALVANIZED	307985
16	TBD	Ø3/4"-10NC HEX NUT	ASTM A563 GALVANIZED	307687
17	TBD	Ø3/4" SPLIT LOCK WASHER	ASTM F436 GALVANIZED	307832
18	TBD	Ø3/4" FLAT WASHER	ASTM F436 GALVANIZED	307624
19	TBD	HANDHOLE COVER KIT	5" x 5" HANDHOLE COVER KIT	HHC0V KIT-55
20	TBD	ANCHOR ROD SET 1-1/4" x 36"	F1554 GR55	307615

CODE ANALYSIS				
BUILDING	OCCUPANCY	CONSTRUCTION TYPE	AREA (SQF)	OCCUPANT LOAD
SHADE STRUCTURE TOTAL PROJECT	U	V-B	TBD	N/A

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.



CORPORATE HEADQUARTERS
 8505-A CHANCELLOR ROW
 DALLAS, TX, 75247
 800-966-5005

CERTIFICATIONS:
 IAS CERTIFICATION No: FA-428
 CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
AUTONATION INC.

PROJECT NAME:
 CDJR
N. RICHLAND HILLS
LOCATION:
 NORTH RICHLAND HILLS
 TX
PROJECT NUMBER:
 1002

STRUCTURE TYPE:
 SINGLE & DOUBLE JOINED
 HERITAGE CANTILEVERS
SIZE:
 VARIOUS

SCALE : AS NOTED

DRAWING SIZE: B

DATE	DRW	CHK	ENG	DESCRIPTION	RELEASE FOR CONSTRUCTION	
					AK	JO
05/26/17					NC	REV

Eng. By : AK 05/26/17

Design By : SA 05/26/17

Approved By : SA 05/26/17

DRAWING DESCRIPTION:
NOTES / LOM

DWG. 1002-1.0

PAGE 1000

REV. NC

PLAN NORTH

 FOR TRUE NORTH
 SEE CUSTOMER'S
 SITE PLAN

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 DALLAS, TX, 75247
 800-966-5005

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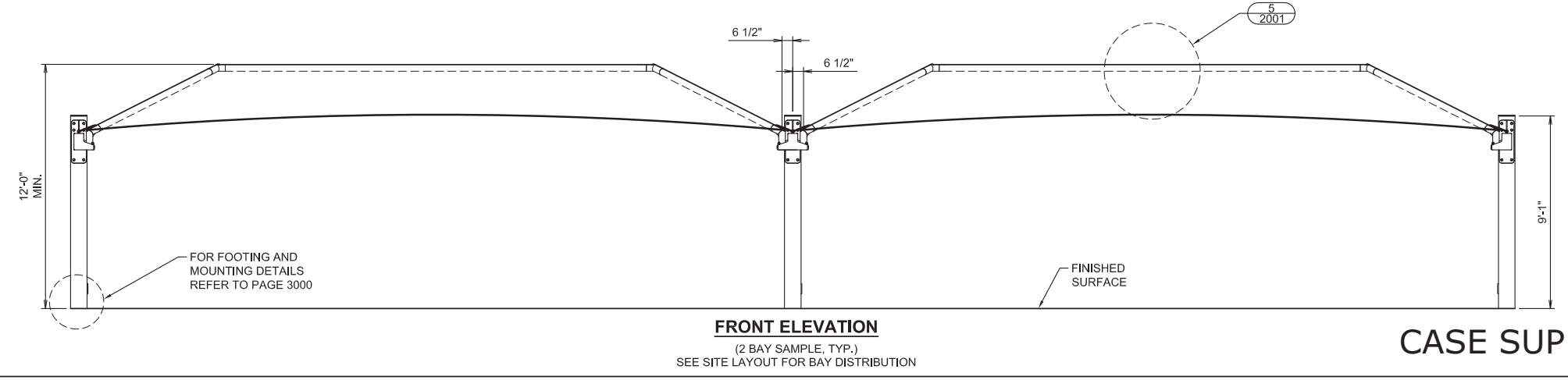
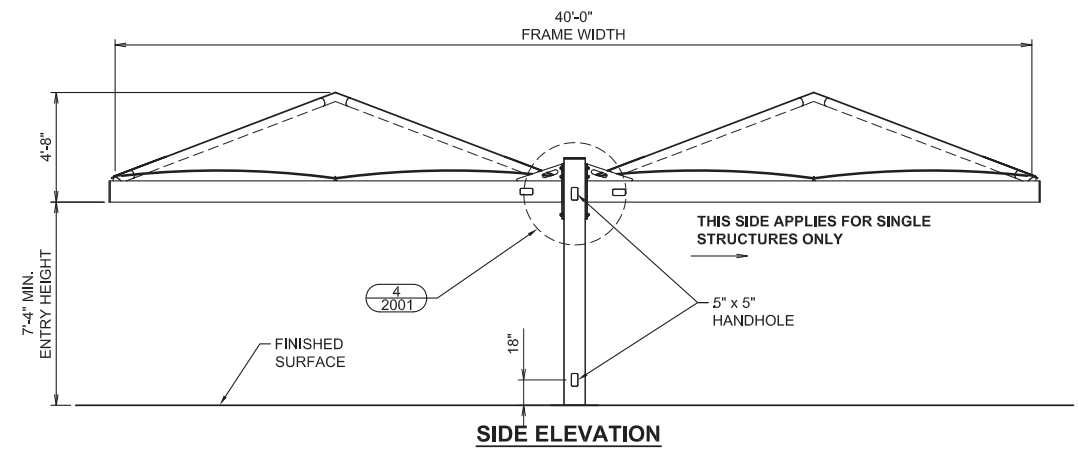
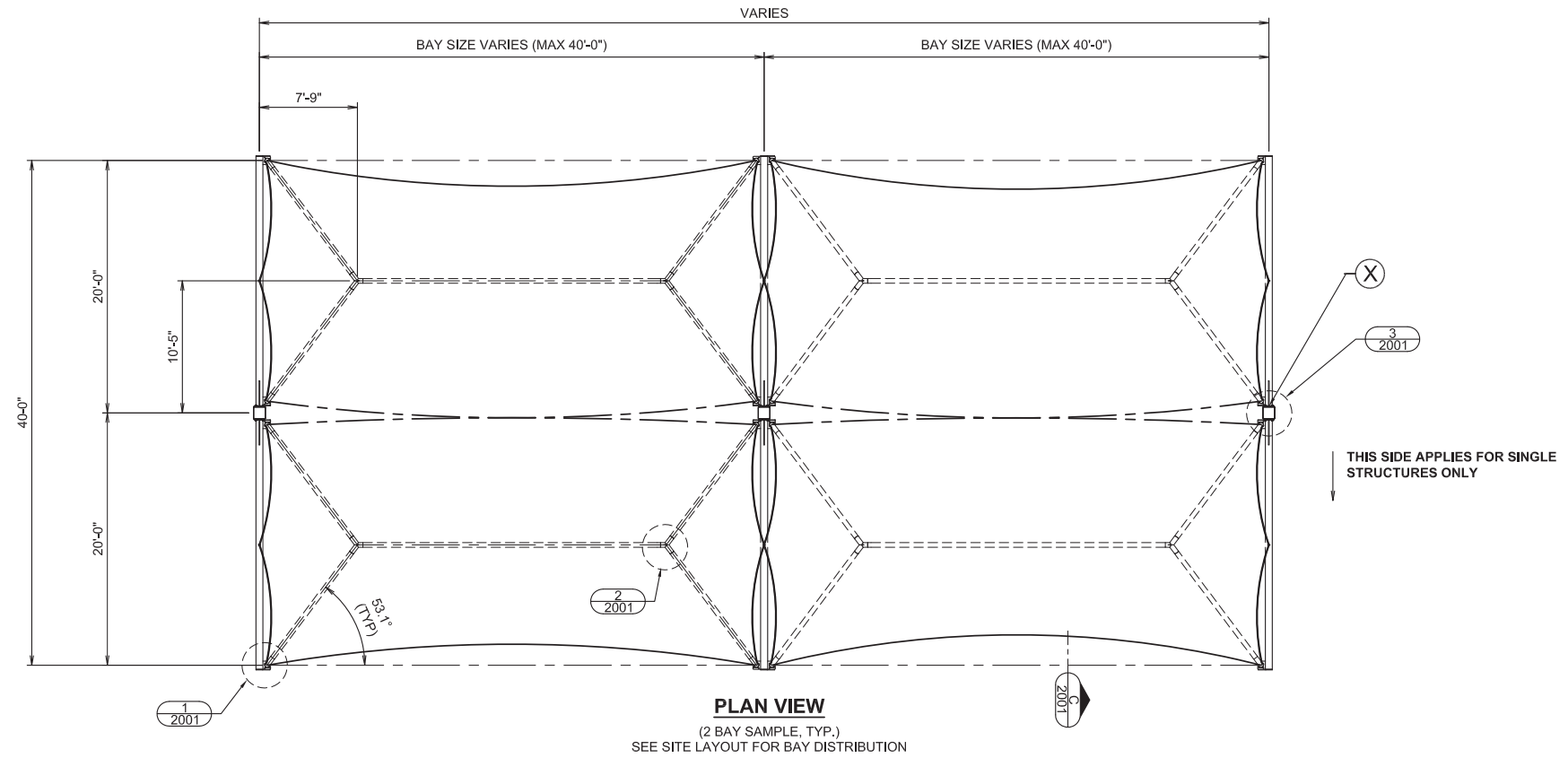
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DRAWING SIZE: **B**



CASE SUP 2018-10

NC	REV	DESCRIPTION	DATE	DRW	CHK	ENG
		RELEASE FOR CONSTRUCTION	05/26/17	AK	JO	JO

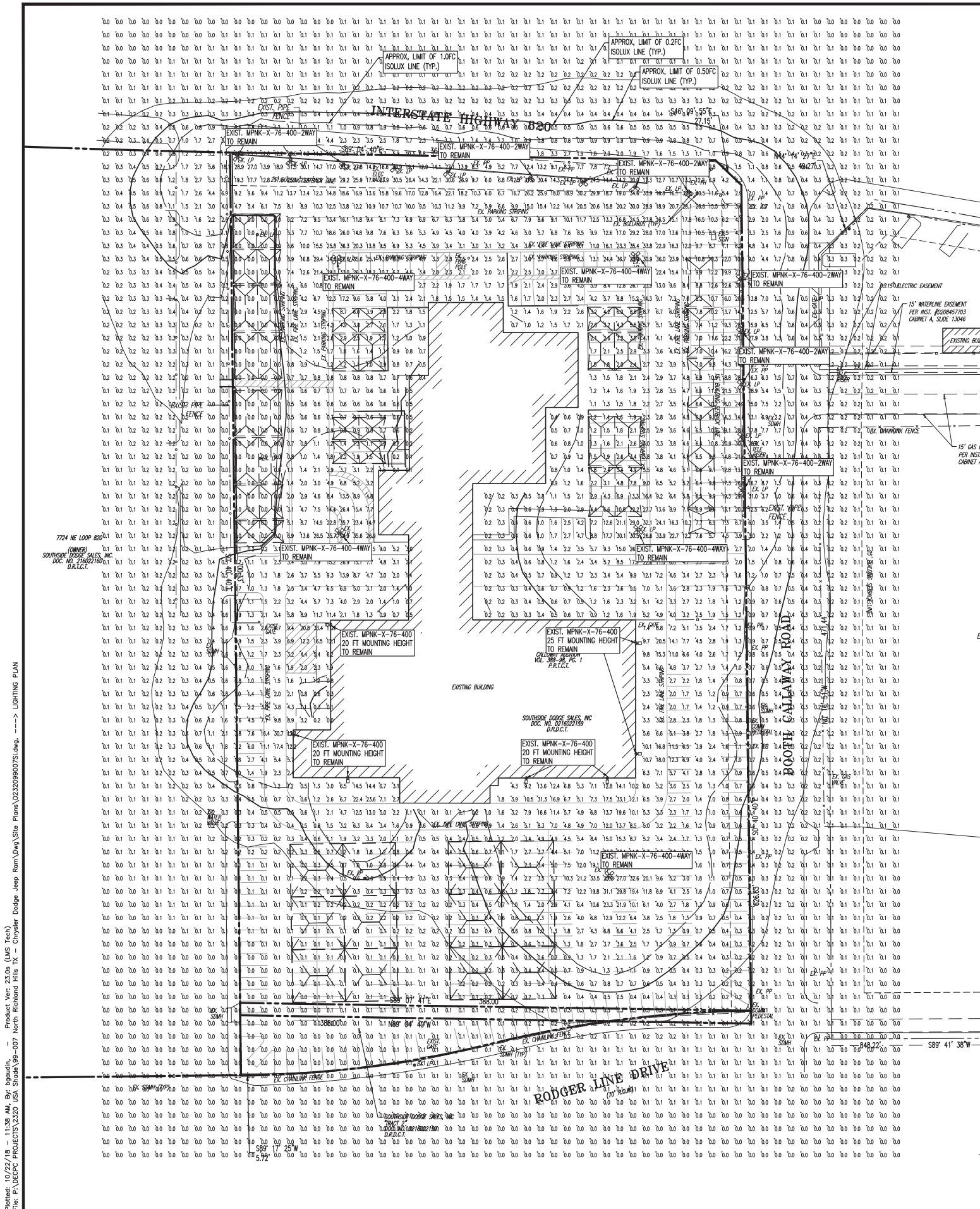
Eng. By : AK 05/26/17
 Design By : SA 05/26/17
 Approved By : SA 05/26/17

DRAWING DESCRIPTION:
VIEWS & DETAILS

DWG. **1002-1.0**

PAGE **2000**

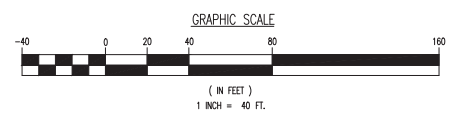
REV. **NC**



LUMINAIRE SCHEDULE								
SYMBOL	QTY	LABEL	MOUNTING HEIGHT	ARRANGEMENT	TOTAL LAMP LUMENS	LLF	DESCRIPTION	FILENAME
	7	MPNK-X-76-400	20FT OR 25 FT	SINGLE @ 45 DEGREE TILT	42000	1.000	LUMARK NIGHTHAWK III 400 WATT SINGLE @ 45 DEGREE TILT	MPNK-X-76-400.IES
	5	MPNK-X-76-400-4WAY	25 FT	4 @ 45 DEGREE TILT	42000	1.000	LUMARK NIGHTHAWK III 400 WATT 4 @ 45 DEGREE TILT	MPNK-X-76-400.IES
	14	MPNK-X-76-400-2WAY	25 FT	2 @ 45 DEGREE TILT	42000	1.000	LUMARK NIGHTHAWK III 400 WATT 2 @ 45 DEGREE TILT	MPNK-X-76-400.IES

GENERAL NOTES

1. THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. ALL EXISTING LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
3. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
4. ALL EXISTING LIGHTING CONDITIONS HAVE BEEN OBTAINED FROM SITE VISITS. LIGHTING LEVEL BENEATH HALL NET STRUCTURES ARE NOT SHOWN.



Product: Ver. 23.0e (LMS Tech)
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CASE NO. SUP 2018-10

Texas Registered Engineering Firm No. F-13903
 1301 Central Expressway South, Suite 210
 Allen, TX 75013
 T: 972.914.2198
 www.dynamiceng.com

LIGHTING PLAN

PROJECT: **VPS**
 CHRYSLER DODGE JEEP RAM N. RICHLAND HILLS
 LOT B, LOT 1C, BLOCK E
 7740 NE LOOP ROAD
 CITY OF NORTH RICHLAND HILLS, TARRANT COUNTY, TEXAS

JOB No: 2320-99-007
 DATE: 09/21/18
 DRAWN BY: BDG
 SCALE: (H) AS SHOWN
 DESIGNED BY: JTE
 SHEET No: 1
 CHECKED BY: JTE
 CONSTRUCTION CHECK: DATE
 CONSTRUCTION CHECK: DATE
 REC Client Code: 2320
 Rev. # 0