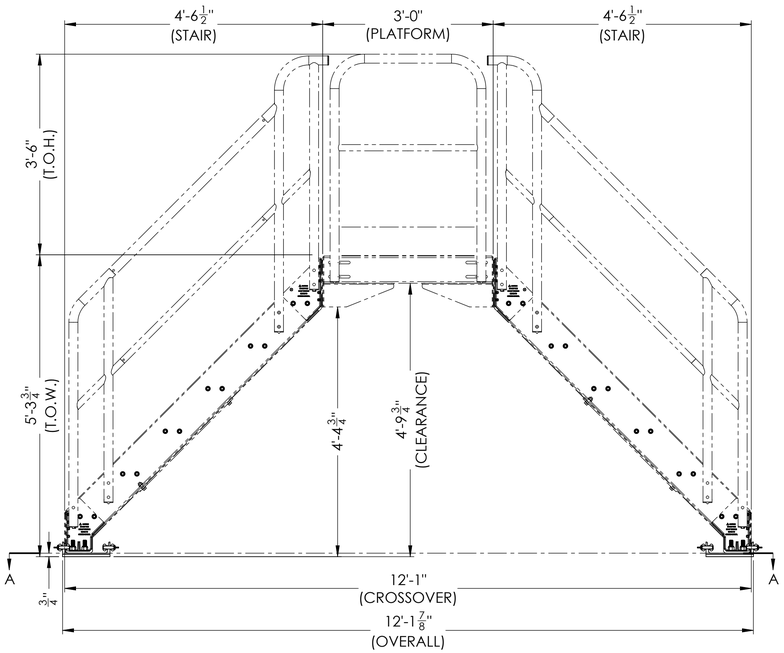
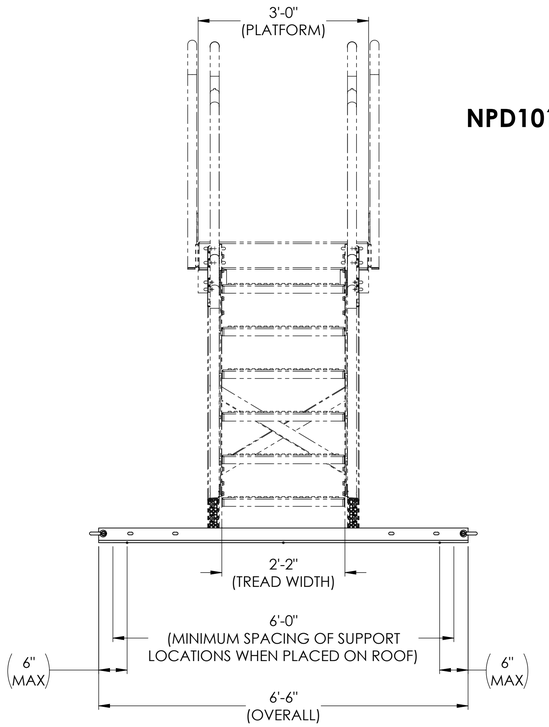
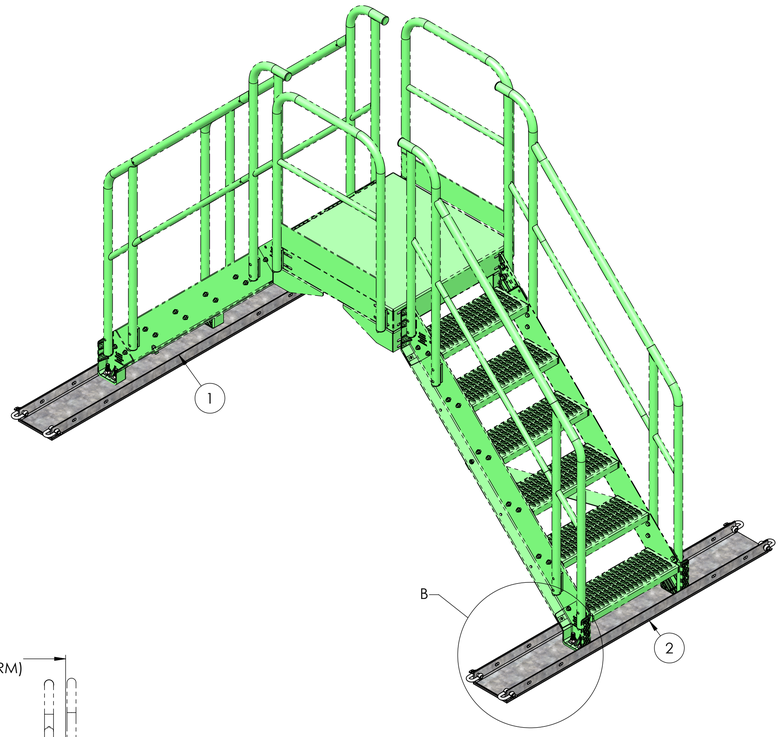
BOM Table				
MINOR MARK	QTY	PartName	ABAS	D1
1	2	NPD1017-BASE-CHAN-6-6LG-GALV	202146	
2	2	NEO-STRIP-10X1/2-ADHESIV-78-LG	199804	6'-6"
3	8	MMC-92356A913-CARRIAGE-BOLT	199720	
4	8	FLAT WASHER Ø3/4 SS	11027	
5	8	NUT 3/4-10 NYLOCK S/S	12624	
6	8	MMC-35895T115-SCREW-SHACKLE-SS	203048	

DESIGN CRITERIA		
LOCATION:	GENERAL	
RISK CATEGORY:	II	
DESIGN CODES:	ASCE 7-22	
	OSHA 1910 SUBPART D	
DESIGN LOADS:		
LIVE LOAD:		
PLATFORM LIVE LOAD:		50 PSF
STAIR LIVE LOAD:		1000 LBS
HANDRAIL (ANY DIRECTION):		200 LBS
BASIC WIND SPEED (EXP CAT C):		115 MPH
ROOFTOP HEIGHT:		50FT

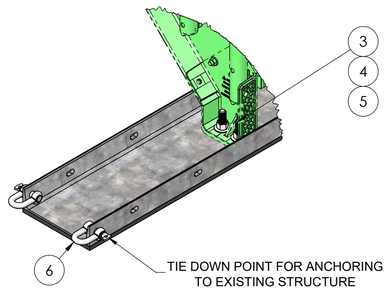
MAXIMUM ESTIMATED REACTIONS AT EACH CORNER			
Load Case	Fx lbs	Fy lbs	Fz lbs
DEAD	--	153	--
WIND X	176	79	--
WIND Z	--	441	944
NOTES:			
All wind loads are ±.			
Loads have not been factored.			
X direction is perpendicular to base channel.			
Y Direction is vertical.			
Z Direction is along base channel.			
Reactions are reported as totals at each corner and should only be applied to ties that are put in tension by any given load			







NPD1017-ROOFTOP-NO-CW-ASSEM
ABAS #203929



DETAIL B
SCALE 1 : 8

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS (UNLESS NOTED OTHERWISE):
   - ALL WF & WT SHAPES SHALL CONFORM TO ASTM A992 (50 KSI)
   - ALL PLATE, CHANNELS, ANGLES, BARS AND FLATS SHALL CONFORM TO A36 (36 KSI)
   - ALL HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B (46 KSI)
   - ALL PIPE SECTIONS SHALL CONFORM TO ASTM A53, GRADE B
   - ANCHOR BOLTS ARE TO BE ASTM F1554 (36 KSI)
2. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL COMPLY WITH THE REQUIREMENTS OF THE AISC STEEL CONSTRUCTION MANUAL.
3. ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" ∅ HIGH STRENGTH BOLTS (ASTM A325) UNLESS OTHERWISE NOTED ON THE DRAWING. CONNECTIONS SHALL BE DESIGNED AS BEARING TYPE WITH THREADS IN SHEAR PLANE.
4. THE MINIMUM NUMBER OF BOLTS PER CONNECTION SHALL BE TWO (2).
5. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND PROCEDURES OF THE AMERICAN WELDING SOCIETY (AWS) BY CERTIFIED WELDERS WHO HAVE BEEN RE-TESTED WITHIN 6 MONTHS PRIOR TO THE START OF STEEL FABRICATION. WELDING FOR STRUCTURAL STEEL SHALL BE MADE WITH E70 LOW HYDROGEN ELECTRODES.
6. HOLES SHALL NOT BE CUT THROUGH BEAMS UNLESS INDICATED OR PRE-APPROVED BY SAFERACK.
7. THE MINIMUM THICKNESS OF ANY GUSSET PLATE IS TO BE 3/8".
8. GROUT MATERIAL FOR BASE PLATES SHALL BE NON-METALS, NON-SHRINK, PRE-PACKAGED GROUT CONFORMING TO ASTM C 1107.
9. COLUMN BASE PLATES SHALL BE WITHIN 1/16" OF THEORETICAL ELEVATION AND BE LEVEL WITHIN 0.01 INCH ACROSS PLATE LENGTH OR WIDTH.

STRUCTURAL ALUMINUM NOTES

1. STRUCTURAL ALUMINUM MATERIALS SHALL CONFORM TO THE FOLLOWING ALLOY SPECIFICATIONS (UNLESS NOTED OTHERWISE):
   - I-SHAPES, CHANNELS, AND ANGLES SHALL CONFORM TO 6061-T6
   - SQUARE AND RECTANGULAR TUBES SHALL CONFORM TO 6063-T5/T52/6061-T6
   - PIPES AND ROUND TUBES SHALL CONFORM TO 6063-T5/T52/T6/6061-T6
   - BARS SHALL CONFORM TO 6063-T5/T6/6061-T6
   - PLATES SHALL CONFORM TO 5052 H32
2. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL ALUMINUM SHALL COMPLY WITH THE REQUIREMENTS OF THE ALUMINUM ASSOCIATION ALUMINUM DESIGN MANUAL 2005.
3. ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" ∅ STAINLESS STEEL ASTM F593 (18-8) BOLTS AND ASTM F594 NUTS, UNLESS OTHERWISE NOTED ON THE DRAWING. CONNECTIONS SHALL BE DESIGNED AS BEARING TYPE WITH THREADS IN SHEAR PLANE.
4. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND PROCEDURES OF THE AMERICAN WELDING SOCIETY (AWS) BY CERTIFIED WELDERS WHO HAVE BEEN RE-TESTED WITHIN 6 MONTHS PRIOR TO THE START OF ALUMINUM FABRICATION. WELDING FOR STRUCTURAL ALUMINUM SHALL BE MADE WITH ER4043 OR ER5356 ELECTRODES.

DRAWING IS GENERAL. ANY SITE SPECIFIC APPLICATION REQUIRES SEPARATE PE STAMP

#	DESCRIPTION	DATE	BY

DO NOT SCALE

PROJECTION: THIRD ANGLE

TOLERANCES: UNLESS OTHERWISE SPECIFIED
LINEAR: X'-Y" = ±1/16" ; X" = ±1/32" ; .X = ±.1 ; .XX = ±.03 ; .XXX = ±.010
ANGULAR: +/- ½°

ERECTASTEP WELDING STANDARDS
SEAL WELD UNLESS OTHERWISE NOTED
USE FILLETS LISTED BELOW UNLESS OTHERWISE NOTED

Material Thickness of Thinner Part Joined (inch)	Minimum Fillet Size - S (inch)
To 1/4"	1/8"
Over 1/4" to 1/2"	3/16"
Over 1/2" to 3/4"	1/4"
Over 3/4"	5/16"

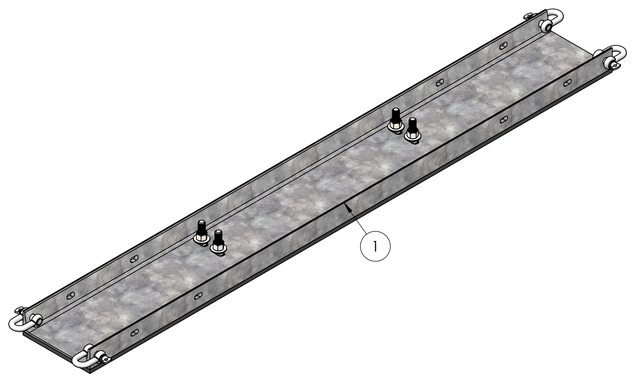
ERECTASTEP
WWW.ERECTASTEP.COM
888-878-1839

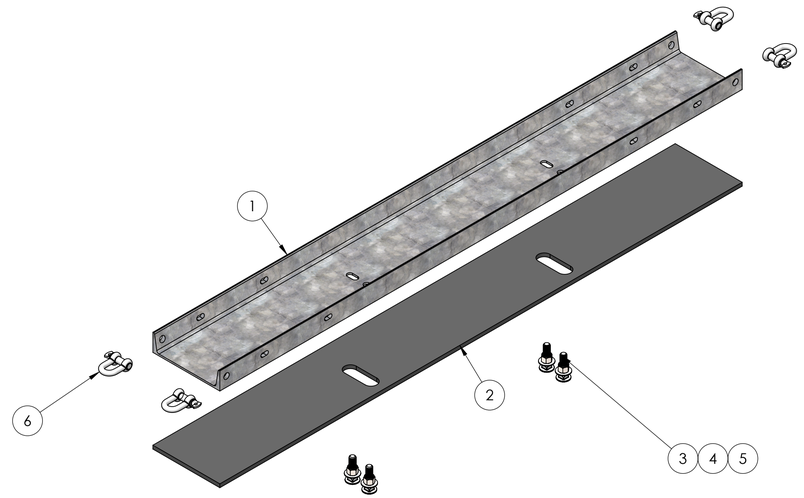
CUSTOMER INFORMATION:
NEW PRODUCT DEVELOPMENT
219 SAFETY AVE, ANDREWS, SC 29510

DESCRIPTION: GENERAL ARRANGEMENT
NPD1017-ROOFTOP-NO-CW-ASSEM

DRAWN: ESC	12/18/2024	NPD1017-ROOFTOP-NO-CW-ASSEM	
CHECK:		ABAS #: 203929	SHEET:
ENG: ZL	12/12/24	FINISH: PER BOM	2 OF 3
APVL:		SCALE: 1:16	SIZE: D
P.O.#		DWG#: -E2	REV:

BOM Table				
MINOR MARK	QTY	PartName	ABAS	D1
1	2	NPD1017-BASE-CHAN-6-6LG-GALV	202146	
2	2	NEO-STRIP-10X1/2-ADHESIV-78-LG	199804	6'-6"
3	8	MMC-92356A913-CARRIAGE-BOLT	199720	
4	8	FLAT WASHER Ø3/4 SS	11027	
5	8	NUT 3/4-10 NYLOCK S/S	12624	
6	8	MMC-35895T115-SCREW-SHACKLE-SS	203048	





NPD1017-ROOFTOP-NO-CW-ASSEM
ABAS #203929

DRAWING IS GENERAL. ANY SITE SPECIFIC APPLICATION REQUIRES SEPARATE PE STAMP

#	DESCRIPTION	DATE	BY

DO NOT SCALE

PROJECTION: THIRD ANGLE

TOLERANCES: UNLESS OTHERWISE SPECIFIED
LINEAR: X'-Y" = ±1/16"
X" = ±1/32"
.X = ±.1
.XX = ±.03
.XXX = ±.010
ANGULAR: +/- 1/2°

ERECTASTEP WELDING STANDARDS
SEAL WELD UNLESS OTHERWISE NOTED
USE FILLETS LISTED BELOW UNLESS OTHERWISE NOTED

Material Thickness of Thinner Part Joined (inch)	Minimum Fillet Size - S (inch)
To 1/4"	1/8"
Over 1/4" to 1/2"	3/16"
Over 1/2" to 3/4"	1/4"
Over 3/4"	5/16"

ERECTASTEP
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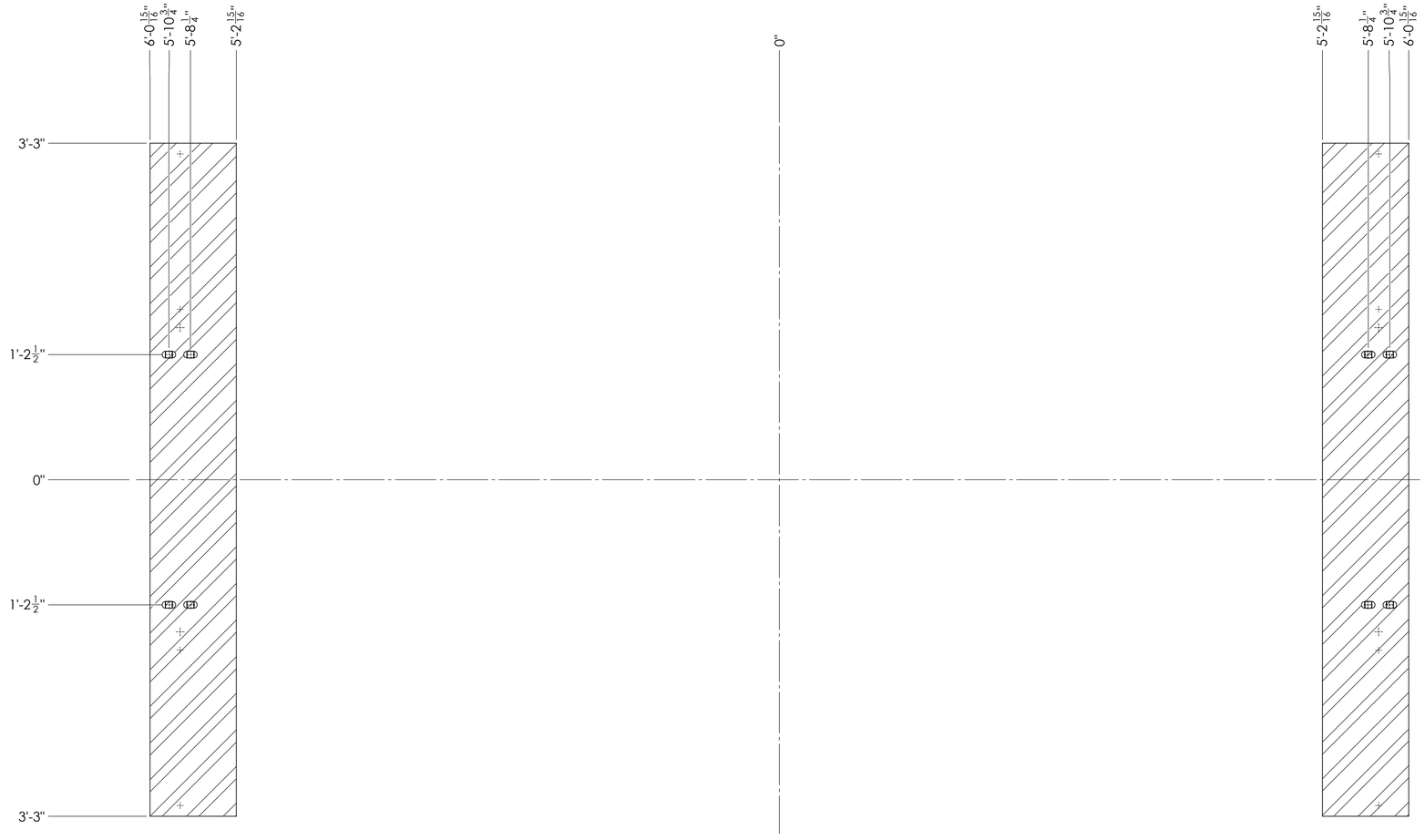
888-878-1839

CUSTOMER INFORMATION:
NEW PRODUCT DEVELOPMENT
219 SAFETY AVE, ANDREWS, SC 29510

DESCRIPTION: GENERAL ARRANGEMENT
NPD1017-ROOFTOP-NO-CW-ASSEM

DRAWN: ESC	12/18/2024	NPD1017-ROOFTOP-NO-CW-ASSEM	
CHECK:		ABAS #: 203929	SHEET: 1 OF 3
ENG: ZL	12/12/24	FINISH: PER BOM	
APVL:		SCALE: 1:8	SIZE: D
P.O.#		DWG#: -E1	REV:



SECTION A-A
SCALE 1 : 8

#	DESCRIPTION	DATE	BY

DO NOT SCALE

PROJECTION: THIRD ANGLE

TOLERANCES: UNLESS OTHERWISE SPECIFIED
LINEAR: X'-Y" = ±1/16"
X" = ±1/32"
.X = ±.1
.XX = ±.03
.XXX = ±.010
ANGULAR: +/- 1/2°

ERECTASTEP WELDING STANDARDS
SEAL WELD UNLESS OTHERWISE NOTED
USE FILLETS LISTED BELOW UNLESS OTHERWISE NOTED

Material Thickness of Thinner Part Joined (inch)	Minimum Fillet Size - S (inch)
To 1/4"	1/8"
Over 1/4" to 1/2"	3/16"
Over 1/2" to 3/4"	1/4"
Over 3/4"	5/16"

ERECTASTEP
WWW.ERECTASTEP.COM
888-878-1839

CUSTOMER INFORMATION:
NEW PRODUCT DEVELOPMENT
219 SAFETY AVE, ANDREWS, SC 29510

DESCRIPTION: GENERAL ARRANGEMENT

DRAWN: ESC	12/18/2024	NPD1017-ROOFTOP-NO-CW-ASSEM	
CHECK:		ABAS #: 203929	SHEET: 3 OF 3
ENG: ZL	12/12/24	FINISH: PER BOM	
APVL:		SCALE: 1:16	SIZE: D
P.O.#		DWG#: -E3	REV: