

**PROJECT TASKS:**

1. RESURFACE APRON AND TAXIWAYS.
2. RECONFIGURE TIE-DOWNS TO SATISFY 235 TIE-DOWN MINIMUM.
3. RESURFACE ELEPHANT EAR.

**TIE DOWN SUMMARY – OPTION A**

SIZES	PUSH BACK	PULL THROUGH	TOTAL
36.0' MAX WINGSPAN	120	83	203
44.0' MAX WINGSPAN	0	12	12
53.0' MAX WINGSPAN	0	6	6
TOTAL	120	101	221

**LEGEND:**

- ① PROJECT TASK DESIGNATOR
- Ⓑ TAXIWAY TASK DESIGNATOR
- PROPOSED PAVEMENT LIMITS

DESIGN XXX  
 DRAWN XXX  
 CHECKED XXX

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BY	DATE	REVISIONS

FAIRBANKS INTERNATIONAL  
 AIRPORT  
 FAI GA APRON AND TAXIWAY  
 AIP 3-02-0096-XXX-20XX/NFAPT00689  
 PROJECT LAYOUT PLAN OPTION A

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**PROJECT TASKS:**

1. RESURFACE APRON AND TAXIWAYS.
2. RECONFIGURE TIE-DOWNS TO SATISFY 235 TIE-DOWN MINIMUM.
3. RESURFACE ELEPHANT EAR.

**TIE DOWN SUMMARY – OPTION B**

SIZES	PUSH BACK	PULL THROUGH	TOTAL
36.0' MAX WINGSPAN	168	48	216
46.0' MAX WINGSPAN	0	12	12
53.0' MAX WINGSPAN	0	6	6
TOTAL	168	66	234

**LEGEND:**

- ① PROJECT TASK DESIGNATOR
- Ⓑ TAXIWAY TASK DESIGNATOR
- PROPOSED PAVEMENT LIMITS

DESIGN XXX  
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 PROJECT LAYOUT PLAN OPTION B

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**PROJECT TASKS:**

1. RESURFACE APRON AND TAXIWAYS.
2. RECONFIGURE TIE-DOWNS TO SATISFY 235 TIE-DOWN MINIMUM.
3. RESURFACE ELEPHANT EAR.

**TIE DOWN SUMMARY – OPTION C**

SIZES	PUSH BACK	PULL THROUGH	TOTAL
36.0' MAX WINGSPAN	120	94	214
44.0' MAX WINGSPAN	0	12	12
53.0' MAX WINGSPAN	0	10	10
TOTAL	120	116	236

**LEGEND:**

- ① PROJECT TASK DESIGNATOR
- Ⓑ TAXIWAY TASK DESIGNATOR
- PROPOSED PAVEMENT LIMITS

DESIGN XXX  
 DRAWN XXX  
 CHECKED XXX

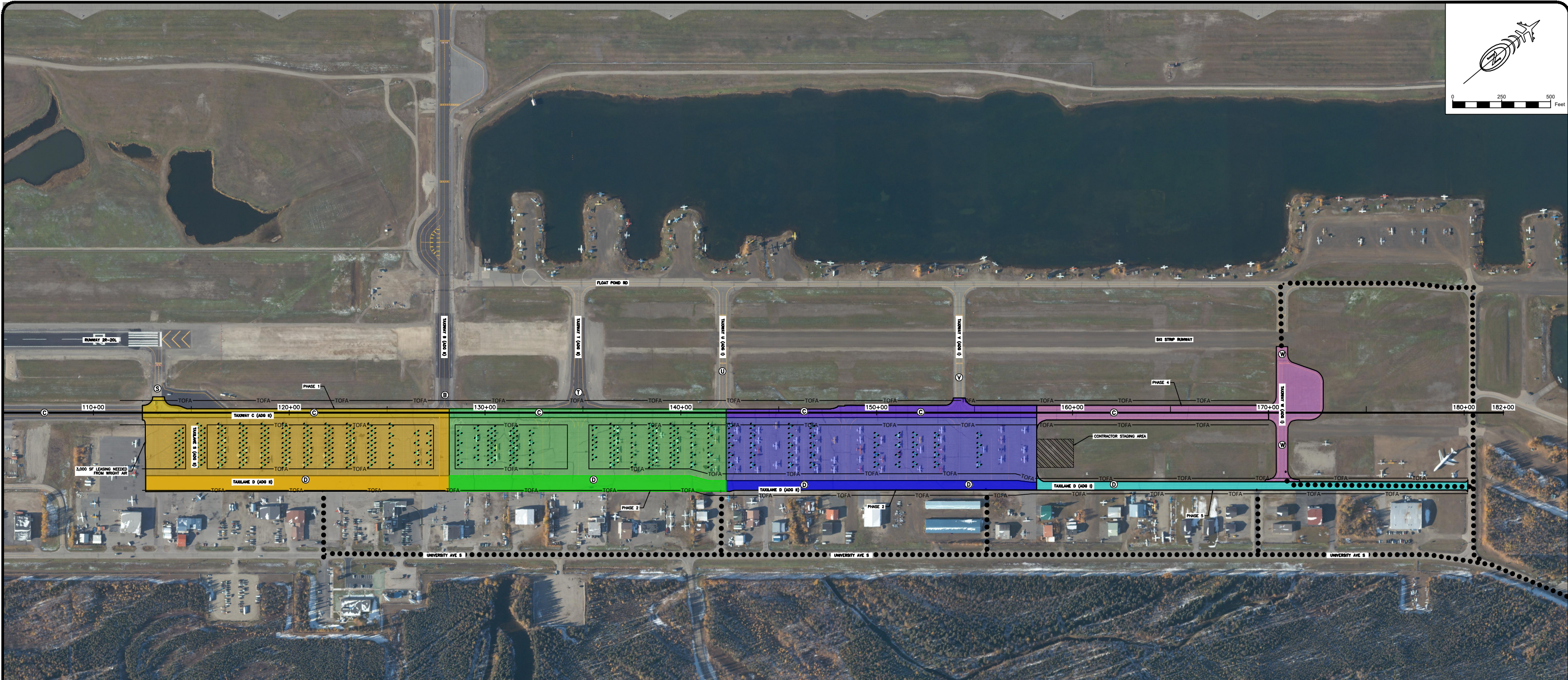
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 PROJECT LAYOUT PLAN OPTION C

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**PROJECT TASKS:**

① XXX

**LEGEND:**

-  EXISTING TIEDOWN
-  CONTRACTOR ACCESS/HAUL ROUTE
-  TAXIWAY DESIGNATOR
-  CONTRACTOR STAGING AREA
-  PHASE 1
-  PHASE 2
-  PHASE 3
-  PHASE 4
-  PHASE 5

DESIGN XXX  
 DRAWN XXX  
 CHECKED XXX

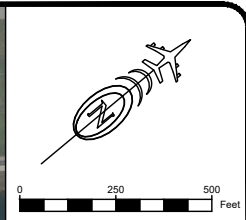
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 CSPP - OPTION A OVERALL

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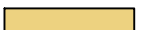



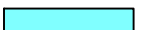




**PROJECT TASKS:**

① XXX

**LEGEND:**

-  EXISTING TIEDOWN
-  CONTRACTOR ACCESS/HAUL ROUTE
-  TAXIWAY DESIGNATOR
-  CONTRACTOR STAGING AREA
-  PHASE 1
-  PHASE 2
-  PHASE 3
-  PHASE 4
-  PHASE 5

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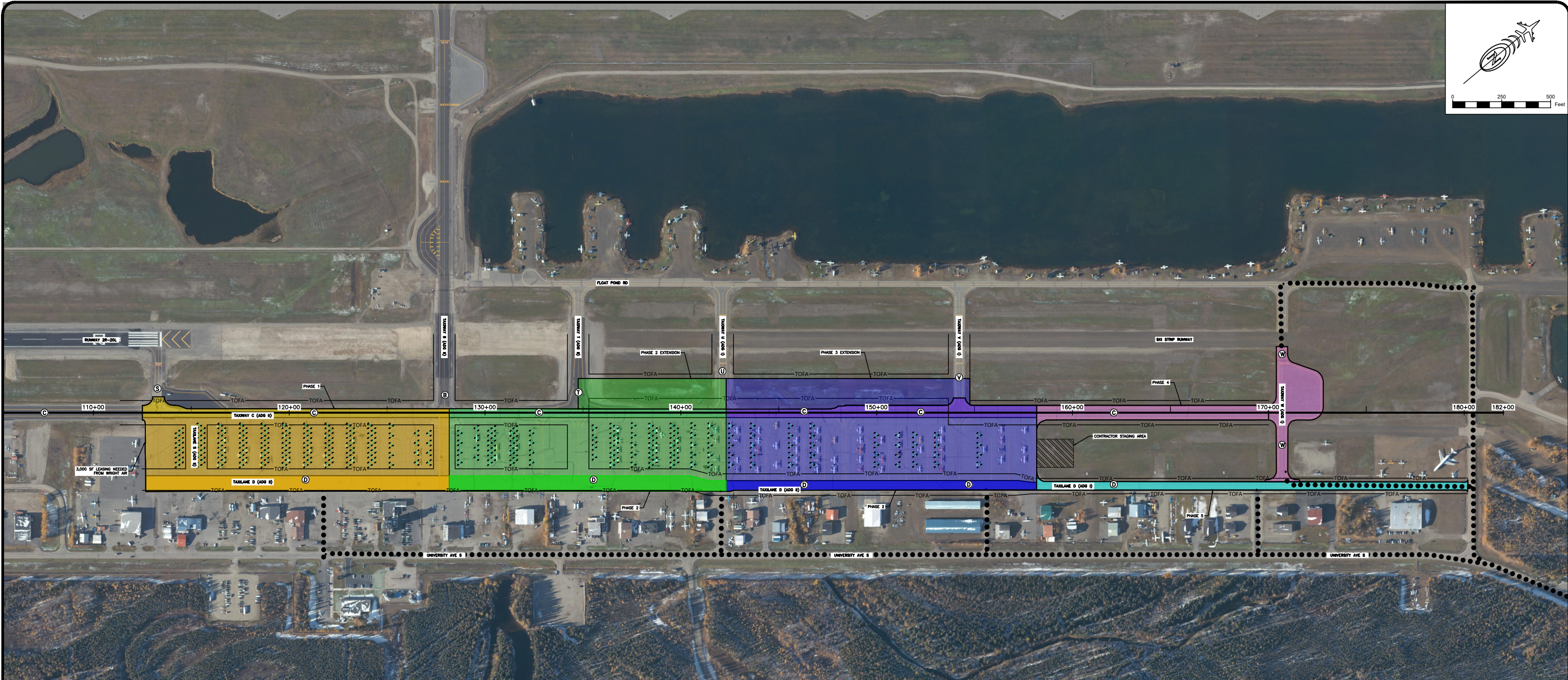
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 CSPP - OPTION B OVERALL

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**PROJECT TASKS:**

① XXX

**LEGEND:**

-  EXISTING TIEDOWN
-  CONTRACTOR ACCESS/HAUL ROUTE
-  TAXIWAY DESIGNATOR
-  CONTRACTOR STAGING AREA
-  PHASE 1
-  PHASE 2
-  PHASE 3
-  PHASE 4
-  PHASE 5

DESIGN XXX  
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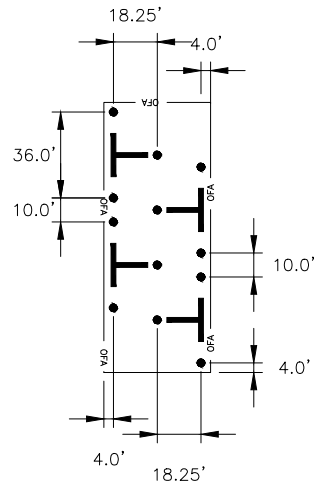
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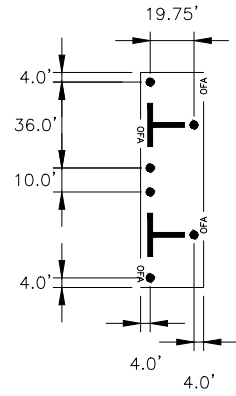
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 CSPP - OPTION C OVERALL

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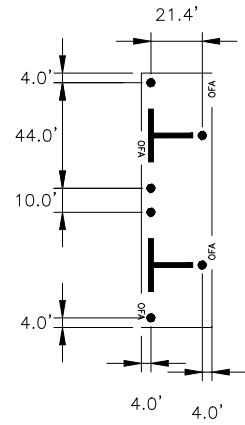




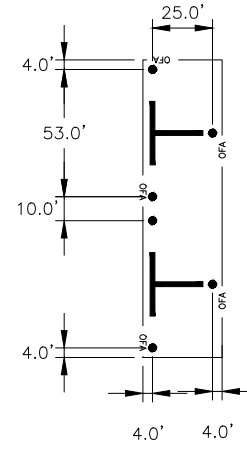
1 GA APRON ADG-I TIE-DOWN 1  
15 SCALE: NTS



2 GA APRON ADG-I TIE-DOWN 2  
15 SCALE: NTS



3 GA APRON ADG-II TIE-DOWN 1  
15 SCALE: NTS



TIE DOWN SUMMARY – OPTION A			
SIZES	PUSH BACK	PULL THROUGH	TOTAL
36.0' MAX WINGSPAN	120	83	203
44.0' MAX WINGSPAN	0	12	12
53.0' MAX WINGSPAN	0	6	6
TOTAL	120	101	221

TIE DOWN SUMMARY – OPTION C			
SIZES	PUSH BACK	PULL THROUGH	TOTAL
36.0' MAX WINGSPAN	120	94	214
44.0' MAX WINGSPAN	0	12	12
53.0' MAX WINGSPAN	0	10	10
TOTAL	120	116	236

TIE DOWN SUMMARY – OPTION B			
SIZES	PUSH BACK	PULL THROUGH	TOTAL
36.0' MAX WINGSPAN	168	48	216
46.0' MAX WINGSPAN	0	12	12
53.0' MAX WINGSPAN	0	6	6
TOTAL	168	66	234

NOTES:

- OPTION A DOES NOT HAVE ENOUGH TIEDOWNS TO FULFILL THE MINIMUM REQUIRED CALLED OUT ON THE EASTSIDE MASTER PLAN. THOUGH MORE SPACE CAN BE UTILIZED ON RIGHT AIR'S LEASE LOT, THERE WOULD ONLY BE AN ADDITIONAL 16 TIEDOWNS, WHICH IS STILL 9 TIEDOWNS BELOW THE MINIMUM REQUIRED.
- OPTION B FULFILLS THE MINIMUM REQUIRED TIEDOWNS CALLED OUT ON THE EASTSIDE MASTER PLAN. THIS OPTION CALLS ON UTILIZING THE INFILL AREAS BETWEEN TAXIWAY T AND TAXIWAY U FOR ADDITIONAL PUSH BACK PARKING. THE EASTSIDE MASTER PLAN CALLS THAT THE SKI STRIP RUNWAY WILL REDUCE THE DESIGN AIRCRAFT TO "A-I SMALL" IN 10-20 YEARS. THE DESIGN OF OPTION B CAN BE ADJUSTED TO MEET THE CURRENT OR FUTURE DESIGN SKI STRIP AIRCRAFT.
- OPTION C SHIFTS TAXIWAY C CLOSER TO THE SKI STRIP RUNWAY TO UTILIZE THE INFILL AREAS BETWEEN TAXIWAYS T AND V FOR MORE TIEDOWN PARKING. OPTION C SATISFIES THE MINIMUM REQUIRED TIEDOWNS CALLED OUT ON THE EASTSIDE MASTER PLAN. THE TAXIWAY / RUNWAY SEPARATION CONFORMS TO AIRCRAFT DESIGN GROUP B-II STANDARDS.

DESIGN XXX  
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TIE-DOWN PLAN NOTES

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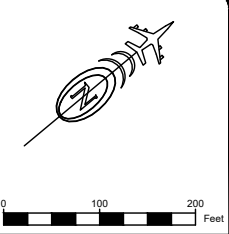
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 SITE PLAN - OPTION A (1 OF 3)

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SITE PLAN - OPTION A (2 OF 3)

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PLANS DEVELOPED BY: HDR ENGINEERING INC. 2525 C STREET SUITE 500, ANCHORAGE ALASKA, 99503, (907)644-2000 CERT. OF AUTH. NO. AEC569  
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 SITE PLAN - OPTION A (3 OF 3)

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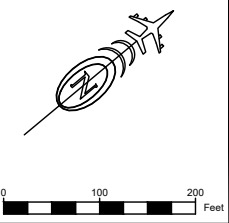
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 SITE PLAN - OPTION B (1 OF 3)

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 SITE PLAN - OPTION B (2 OF 3)

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 SITE PLAN - OPTION B (3 OF 3)

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 SITE PLAN - OPTION C (1 OF 3)

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 SITE PLAN - OPTION C (2 OF 3)

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 DRAWN XXX  
 CHECKED XXX

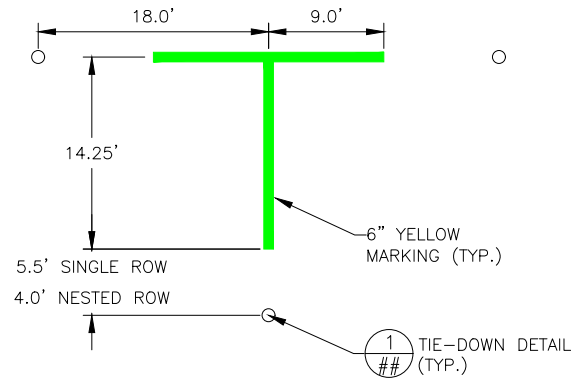
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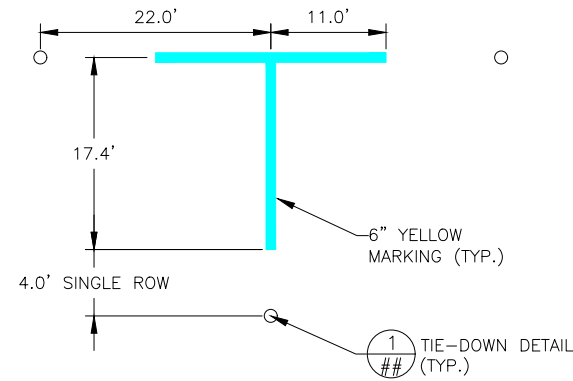
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 SITE PLAN - OPTION C (3 OF 3)

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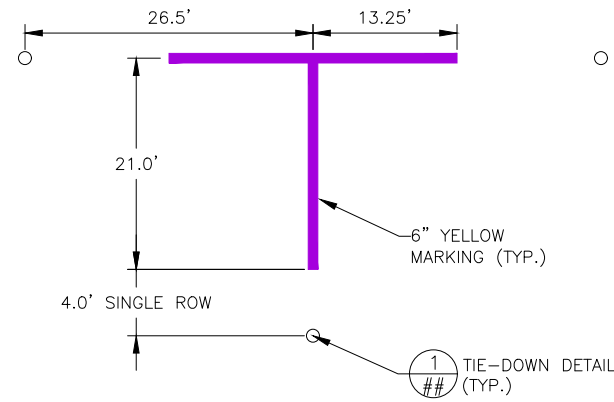




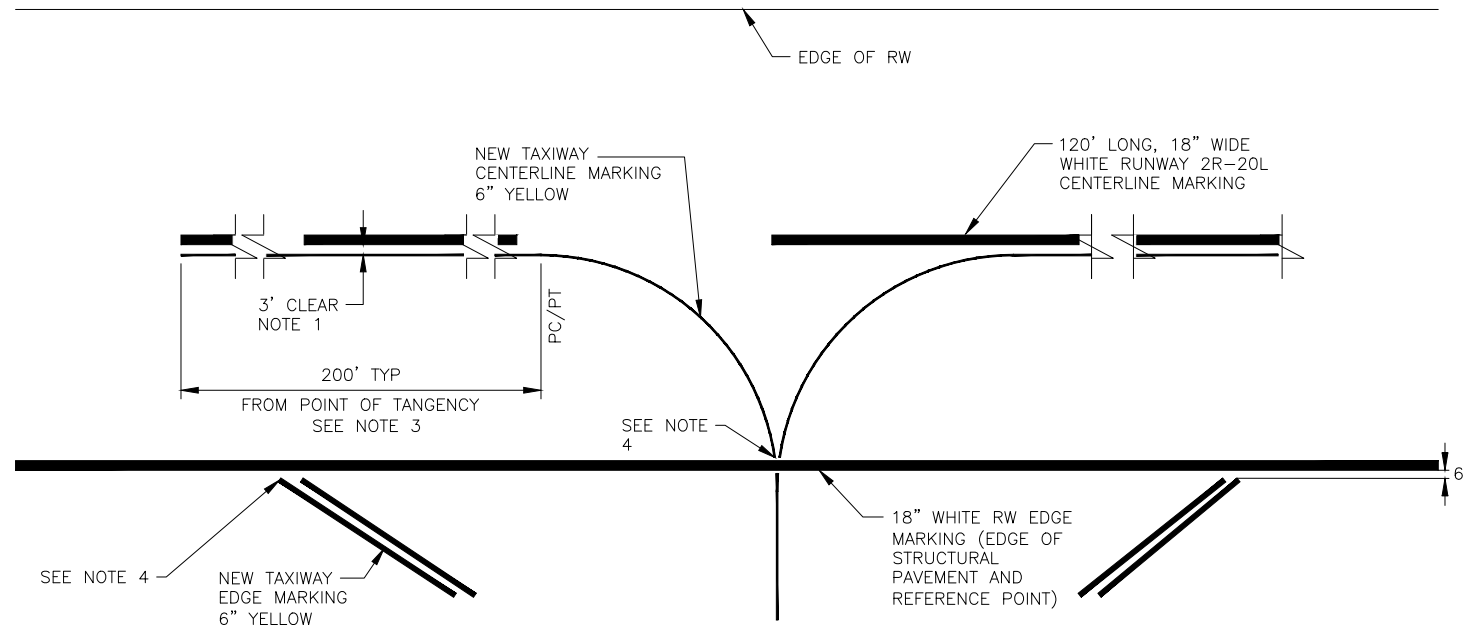
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SCALE: NTS



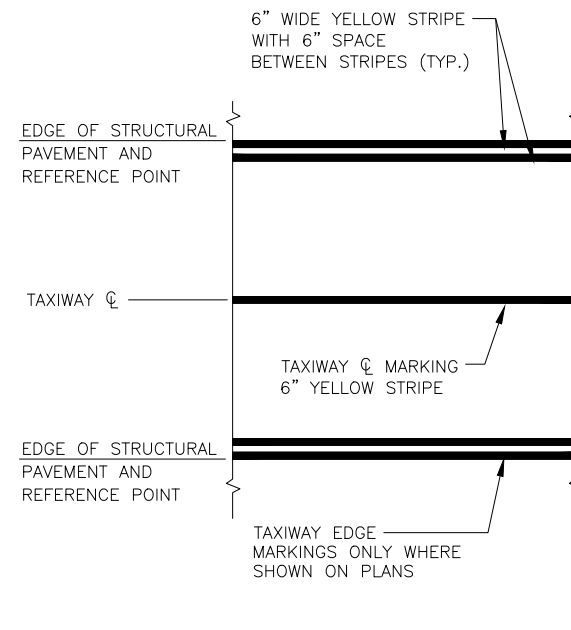
2  
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SCALE: NTS



3  
25 GA APRON ADG-II TIE-DOWN MARKING 1  
SCALE: NTS



5  
25 RUNWAY/TAXIWAY INTERSECTION MARKINGS  
SCALE: NTS



6  
25 TAXIWAY MARKINGS  
SCALE: NTS

NOTES:

- LAYOUT TAXIWAY CENTERLINE TO CLEAR 3 FEET INSIDE EDGE TO INSIDE EDGE.
- PROVIDE REFLECTIVE MEDIA (GLASS BEADS) WITH ALL PERMANENT MARKINGS.
- THE 200' TAXIWAY STRIPE ON THE RUNWAY SHALL BE LIMITED TO THE EXTENTS OF AVAILABLE ASPHALT PAVEMENT.
- IF ANY TAXIWAY MARKINGS CROSS A RUNWAY MARKING, BREAK THE CENTER LINE MARKING TO MAINTAIN A 6" CLEAR SPACE BETWEEN MARKINGS.
- ALL TAXIWAY MARKINGS ARE YELLOW.

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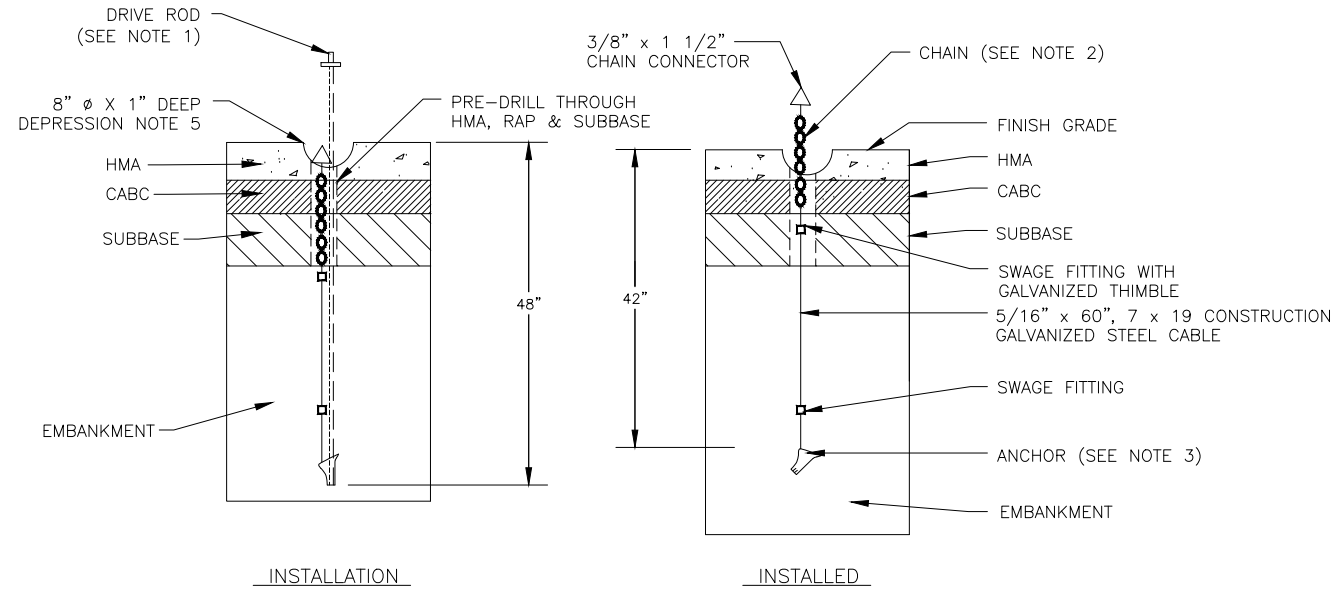
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 SITE PLAN DETAILS

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1 TIE-DOWN DETAIL  
 26 SCALE: NTS

**NOTES:**

1. USE DRIVE ROD PER MANUFACTURER'S RECOMMENDATIONS.
2. USE 3/8" G-43 HIGH TEST HOT DIPPED GALVANIZED STEEL CHAIN WITH TWO 3/8" (CHAIN TRADE SIZE) GRADE 100 CORROSION RESISTANT ALLOY-STEEL REMOVABLE COUPLING LINKS, ONE AT EACH END OF THE CHAIN.
3. MANTA RAY MODEL MR4 OR APPROVED EQUAL.
4. BACK FILL OF THE DRILL HOLE SHALL CONFORM TO SECTION P-152 OR P-153.
5. SEAL DEPRESSION WITH ADHESIVE COMPOUND, SECTION P-606.
6. ALL TAXIWAY, TIE-DOWN, AND BLAST PAD MARKINGS ARE YELLOW.

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