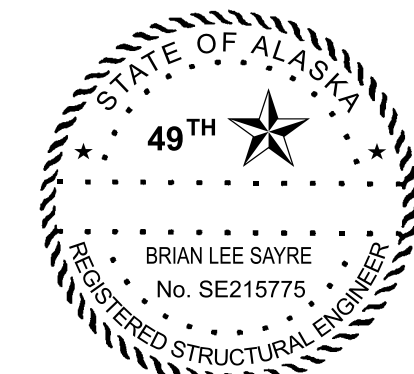


FOR CONSTRUCTION

DOCUMENT HISTORY

1	06/03/26	REVISION 1

AREA 3 PAD D
PACIFIC SPACEPORT COMPLEX, KODIAK ISLAND, ALASKA
ALASKA AEROSPACE CORPORATION



ARCHITECT OF RECORD
BRIAN LEE SAYRE
ALASKA SE 215775

DESIGNED BY
C. ALTINOK
DRAWN BY
K. BANNISTER
PROJECT NUMBER
C09729.001
DATE
05/08/2026

TITLE
PEMB
REQUIREMENTS

DRAWING NO.

S-007

PRE-ENGINEERED METAL BUILDING DEFLECTION
AND DRIFT LIMITS:

VERTICAL DEFLECTIONS

ROOF MEMBERS

SNOW LOAD DEFLECTION FOR MEMBERS SUPPORTING NON-PLASTER CEILING	L/240
TOTAL LOAD DEFLECTION FOR MEMBERS SUPPORTING NON-PLASTER CEILING	L/180
SNOW LOAD DEFLECTION FOR MEMBERS NOT SUPPORTING CEILING	L/180
SLOW LOAD DEFLECTION FOR SECONDARY MEMBERS AT FORMED METAL ROOFING ONLY	L/150
TOTAL LOAD DEFLECTION FOR MEMBERS NOT SUPPORTING CEILING	L/120
TOTAL LOAD DEFLECTION AT FORMED METAL ROOF (WITH NO ADDITIONAL ROOF COVERING)	L/80
TOTAL LOAD DEFLECTION AT MEMBERS SUPPORTING MASONRY WALLS AND LINTELS	L/600 ≤ 3/8"
DEAD LOAD DEFLECTION PRIOR TO CLADDING FOR SPANDRELS SUPPORTING CLADDING LOADS	3/8"
TOTAL DEAD LOAD DEFLECTION FOR SPANDRELS SUPPORTING CLADDING LOADS	L/480 ≤ 5/8"
0.5*LL OR 0.5*SL DEFLECTION FOR SPANDRELS AT PRECAST OR STONE PANELS AND AT GLAZING	L/360 ≤ 1/2"
TOTAL DEAD LOAD DEFLECTION FOR SPANDRELS SUPPORTING HEAVY CLADDING LOADS (≥25% BEAM DEAD LOAD) INCLUDING MASONRY	L/600 ≤ 3/8"

NOTES:

1. STIFFER ROOF MEMBERS MAY BE REQUIRED TO SATISFY ROOF PONDING REQUIREMENTS. PRE-ENGINEERED METAL BUILDING DESIGNER SHALL MAINTAIN POSITIVE ROOF DRAINAGE UNDER (D+0.5") (D+5 PSF) LOAD COMBINATION.
2. SPANDREL MEMBERS MAY REQUIRE STIFFER DEFLECTION REQUIREMENTS. PRE-ENGINEERED METAL BUILDING DESIGNER SHALL COORDINATE VERTICAL DEFLECTION REQUIREMENTS WHERE STRUCTURAL MEMBERS INTERACT WITH ARCHITECTURAL ELEMENTS AND WHERE CLADDING WEIGHT EXCEEDS 25% OF THE TOTAL DEAD LOAD ON SPANDREL BEAM.

ROOF MEMBERS

TOTAL LOAD ON FLOOR MEMBERS	L/240
LIVE LOAD ON FLOOR MEMBERS	L/360

HORIZONTAL DEFLECTIONS

EXTERIOR WALLS/GIRTS (OUT-OF-PLANE)

EXTERIOR WALLS WITH METAL PANELS SIDING AND NO INTERIOR GYP	L/80
EXTERIOR WALLS WITH FLEXIBLE FINISHED (GYP BOARD, METAL PANEL, ETC)	L/120
EXTERIOR WALLS WITH OTHER BRITTLE FINISHED (MASONRY, ETC)	L/240 ≤ 1.5"
EXTERIOR WALLS WITH PLASTER OR STUCCO FINISHED	L/360

NOTES:

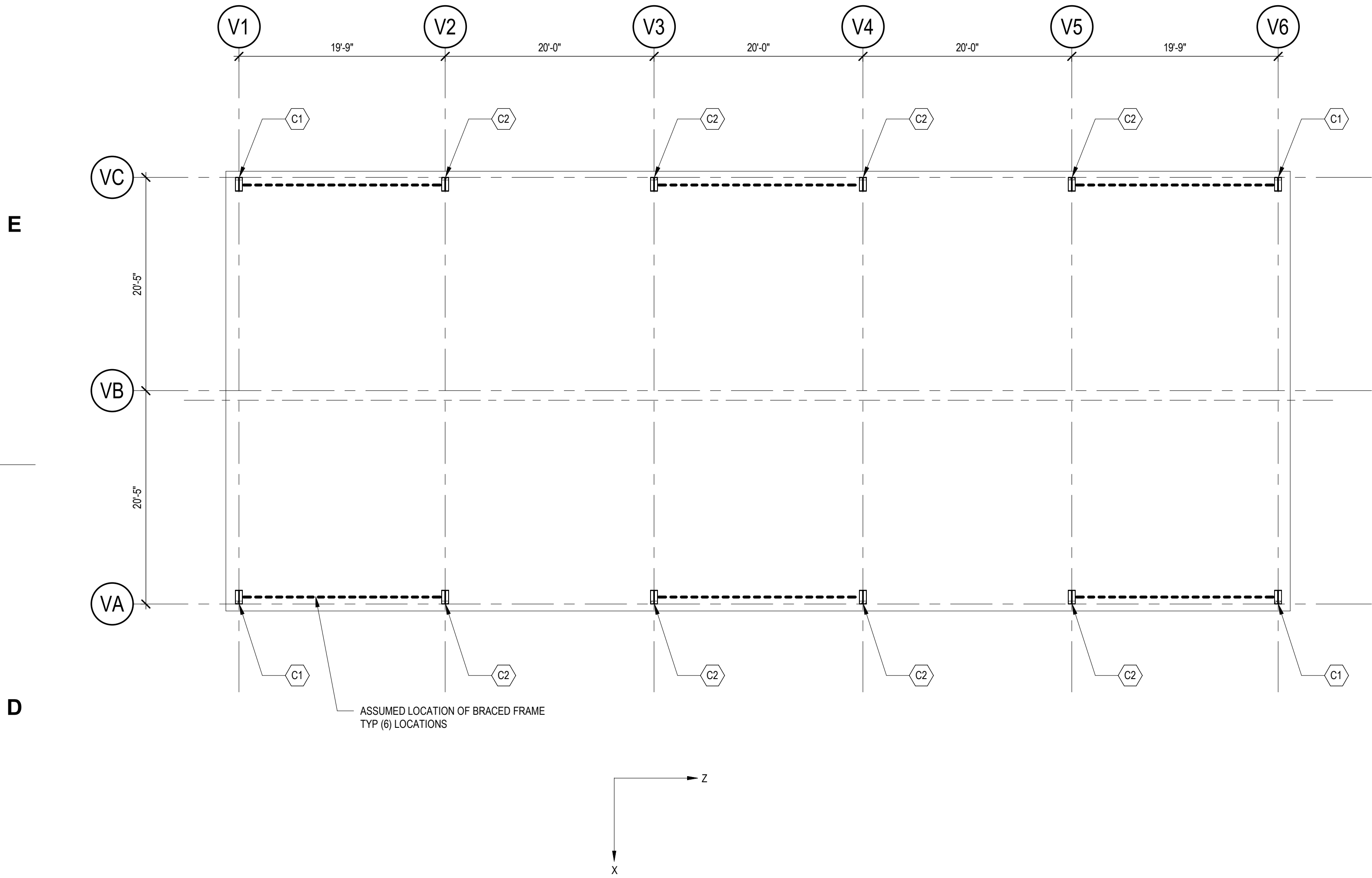
1. WIND LOAD - IBC 2012 OR LATER - 0.42*ULTIMATE LEVEL COMPONENT AND CLADDING PRESSURES

BUILDING DRIFT

WIND DRIFT FOR FORMED METAL SIDED BUILDINGS	H/180
SEISMIC LOADS - STORY DRIFTS	H/180

NOTES:

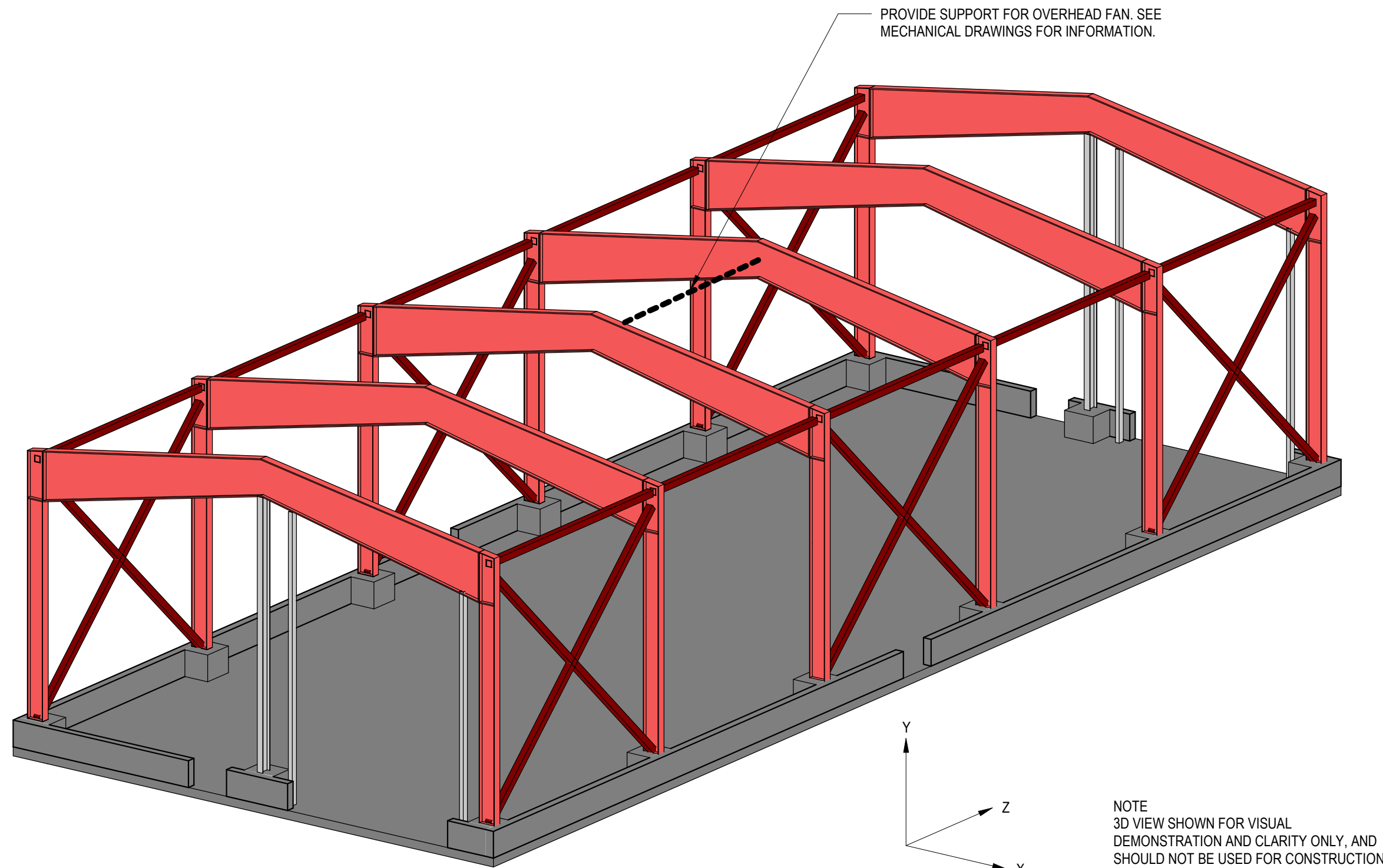
1. WIND LOAD - IBC 2012 OR LATER - 0.42*MAIN FORCE RESISTING SYSTEM PRESSURES AS CALCULATED BY THE PRE-ENGINEERED METAL BUILDING DESIGNER (ADJUST FROM 50 YEAR WIND TO 10 YEAR WIND)



ESTIMATED COLUMN REACTIONS (KIPS, SERVICE LEVEL)

COLUMN	DEAD LOAD			ROOF LIVE LOAD			SEISMIC (X-DIR)			SEISMIC (Z-DIR)			WIND (X-DIR)			WIND (Z-DIR)			SNOW		
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
C1	±1.0	+9.0	±3.0	±1.0	+6.0	±3.0	±9.0	+12.0	-13.0	±3.0	±0.0	+12.0	-26.0	±3.0	±14.0	+17.0	-9.0	±6.0	+9.0	+12.0	±5.0
C2	±2.0	+12.0	±2.0	±2.0	+8.0	±2.0	±9.0	±9.0	±9.0	±1.0	±0.0	+29.0	-18.0	±20.0	+8.0	±14.0	+9.0	-12.0	±3.0	+18.0	±3.0

2 ASSUMED PEMB FOUNDATION LOADS
SCALE: NTS



NOTE
3D VIEW SHOWN FOR VISUAL
DEMONSTRATION AND CLARITY ONLY. AND
SHOULD NOT BE USED FOR CONSTRUCTION

1 ASSUMED PEMB FRAME LAYOUT
SCALE:

FOR CONSTRUCTION

DOCUMENT HISTORY

1	06/03/26	REVISION 1

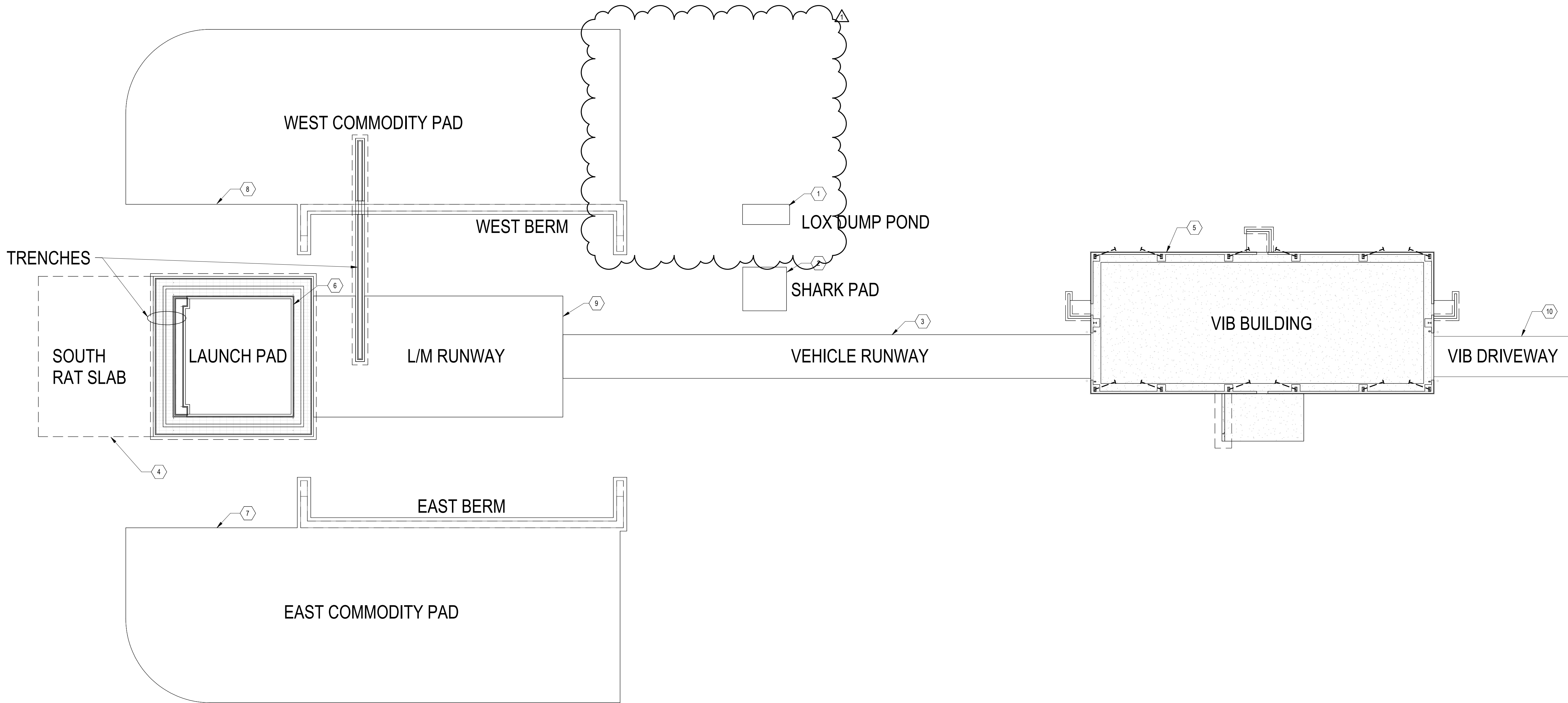
LEGEND:

NOTES:

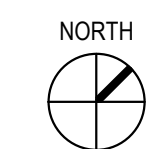
- SEE SHEET SERIES S-00X FOR GENERAL NOTES AND ABBREVIATIONS.
- COORDINATE ALL WALL DIMENSIONS AND OPENING LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- COORDINATE ALL FLOOR PENETRATIONS FOR UTILITIES WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. REFER TO S-007 FOR FRAMING REQUIREMENTS.
- COORDINATE SIZES AND LOCATIONS WITH MECHANICAL AND ELECTRICAL DRAWINGS AND MANUFACTURER INFORMATION. MECHANICAL/ELECTRICAL EQUIPMENT LOCATED ON ELEVATED SLAB SHALL BE PLACED ON STEEL SUPPORTS/RAILS.
- SEE CIVIL AND ARCHITECTURAL DRAWINGS FOR EXTERIOR CONCRETE SLAB LOCATIONS, EXTENTS, SLOPES, CONTROL JOINT LOCATIONS AND ELEVATIONS.

KEY NOTES:

- LOX DUMP PER DETAIL 1/S-503
- SHARK PAD, SEE EXTERIOR PAD DETAIL 4/S-503
- VEHICLE RUNWAY PER CIVIL
- SOUTH RAT SLAB PER S-133
- VIB BUILDING PER S-101
- LAUNCH PAD PER S-130
- EAST COMMODITY PAD PER S-131
- WEST COMMODITY PAD PER S-132
- L/M RUNWAY PER S-130
- VIB DRIVEWAY PER CIVIL

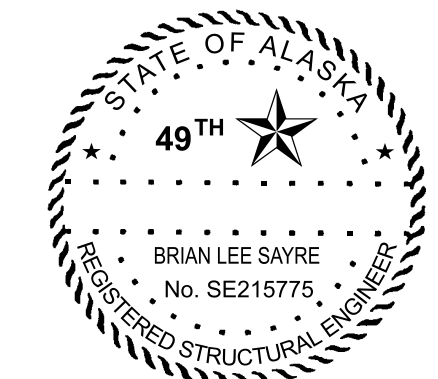


1 SITE PLAN
SCALE: 1/16" = 1'-0"



0 8' 16' 32' 48'
SCALE: 1/16" = 1'-0"

AREA 3 PAD D
PACIFIC SPACEPORT COMPLEX, KODIAK ISLAND, ALASKA
ALASKA AEROSPACE CORPORATION



ARCHITECT OF RECORD
BRIAN LEE SAYRE
ALASKA SE 215775
DESIGNED BY
C. ALTINOK
DRAWN BY
K. BANNISTER
PROJECT NUMBER
C09729.001
DATE
05/08/2026
TITLE
SITE PLAN

DRAWING NO.

S-100

FOR CONSTRUCTION

DOCUMENT HISTORY	
1	06/03/26 REVISION 1

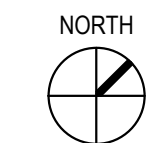
LEGEND:

NOTES:

- SEE SHEET SERIES S-00X FOR GENERAL NOTES, SPECIAL INSPECTIONS, AND ABBREVIATIONS.
- COORDINATE ALL WALL DIMENSIONS AND OPENING LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR EXTERIOR CONCRETE SLAB LOCATIONS, EXTENTS, SLOPES, CONTROL JOINT LOCATIONS AND ELEVATIONS.
- COORDINATE ALL UNDER-SLAB UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS PRIOR TO POURING FOUNDATIONS AND SLAB. PENETRATE WALL FOUNDATIONS OR DROP FOUNDATIONS AS NEEDED FOR UTILITIES ACCORDING TO DETAILS ON SHEET S-303.
- PROVIDE HOUSEKEEPING PADS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED ON SLAB ON GRADE. COORDINATE SIZES AND LOCATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND MANUFACTURER INFORMATION. SEE DETAIL ON SHEET S-303.
- T/1 SLAB ELEVATION = 0'-0" UNO.
- COORDINATE LOCATIONS OF FLOOR DRAINS WITH ARCHITECTURAL AND PLUMBING DRAWINGS. SLOPE FLOOR TO DRAIN.
- COORDINATE LOCATIONS OF DEPRESSED SLABS WITH ARCHITECTURAL AND PLUMBING DRAWINGS.
- COORDINATE ALL CURB DIMENSIONS WITH JAMB AND BASE PLATES. SEE CIVIL DWGS FOR ADDL INFO.

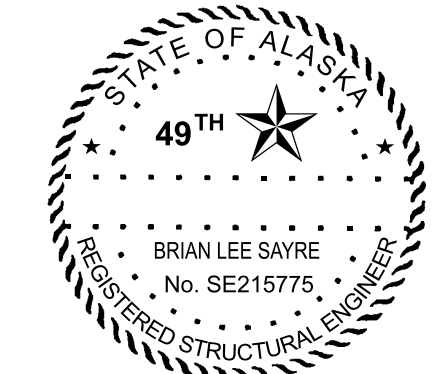
KEY NOTES:

- (3) #6 REINFORCEMENT BETWEEN PEMB COLUMNS. HOOK ENDS INTO GRADE BEAM FOOTING PER S/S-501
- 8" SLAB ON GRADE REINFORCED W/ #5 @ 12" OC T&B EW



0 2' 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

AREA 3 PAD D
PACIFIC SPACEPORT COMPLEX, KODIAK ISLAND, ALASKA
ALASKA AEROSPACE CORPORATION

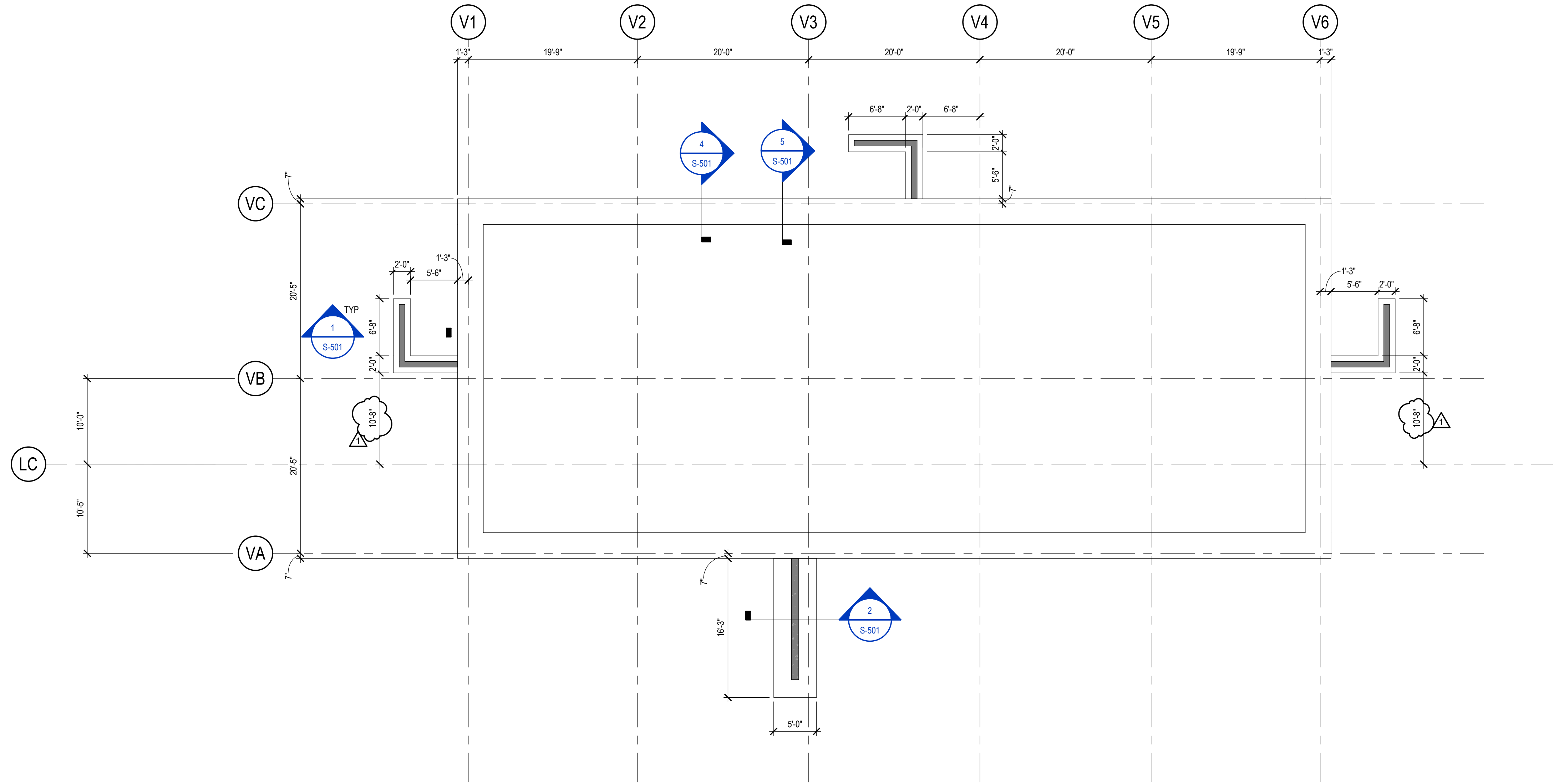


ARCHITECT OF RECORD
BRIAN LEE SAYRE
ALASKA SE 215775
DESIGNED BY
C. ALTINOK
DRAWN BY
K. BANNISTER
PROJECT NUMBER
C09729.001
DATE
05/08/2026
TITLE

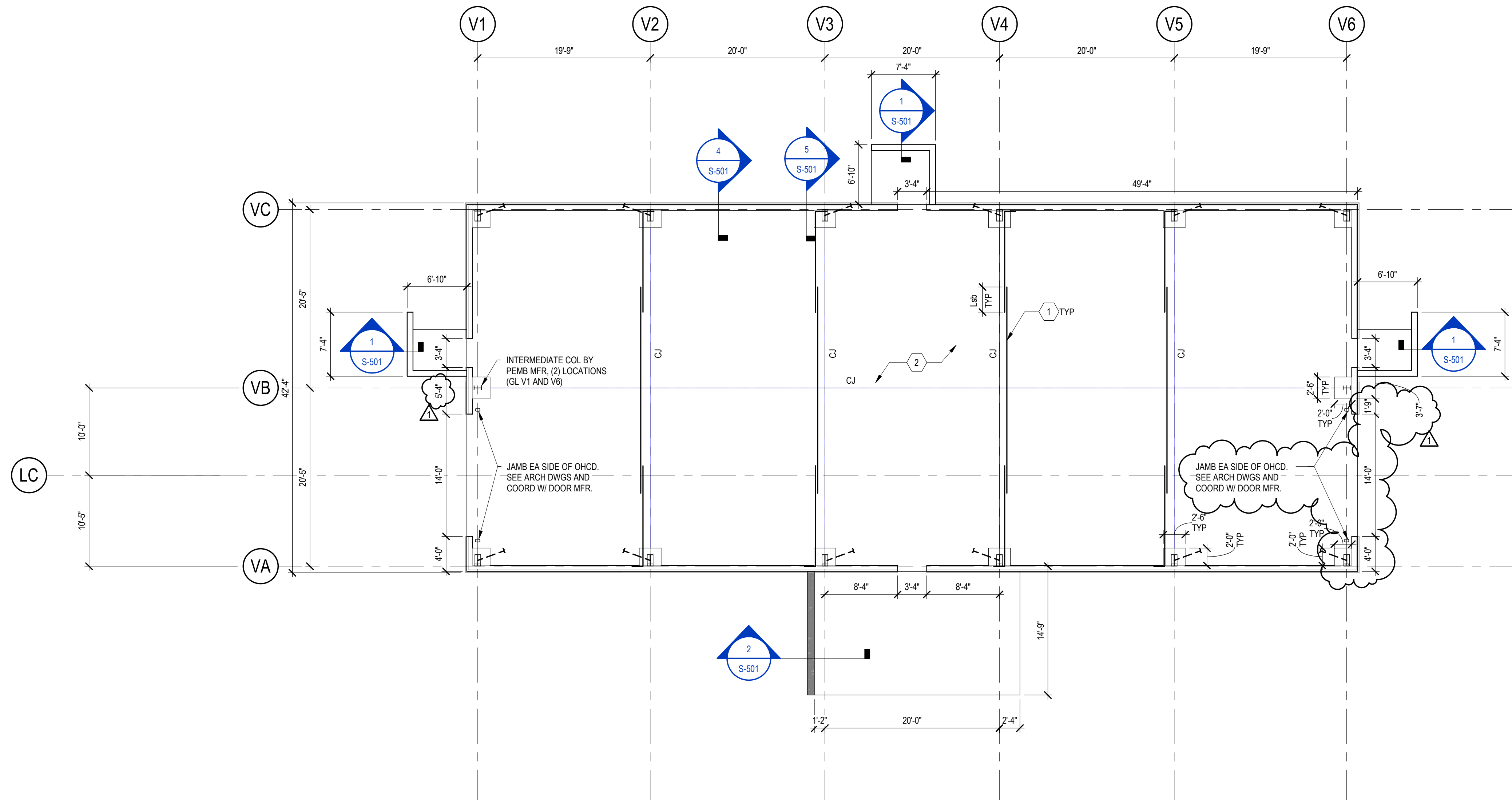
VIB SLAB &
FOUNDATION
PLANS

DRAWING NO.

S-101

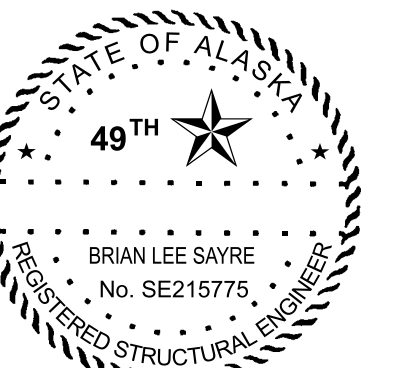


1 VIB FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



2 VIB SLAB PLAN
SCALE: 1/8" = 1'-0"

AREA 3 PAD D
PACIFIC SPACEPORT COMPLEX, KODIAK ISLAND, ALASKA
ALASKA AEROSPACE CORPORATION



CHENG OF RECORD
BRIAN LEE SAYRE
ALASKA SE 215775

DESIGNED BY
C. ALTINOK
DRAWN BY
K. BANNISTER
PROJECT NUMBER
C09729.001

05/08/2026

WEST
COMMODITY PAD
SLAB PLAN

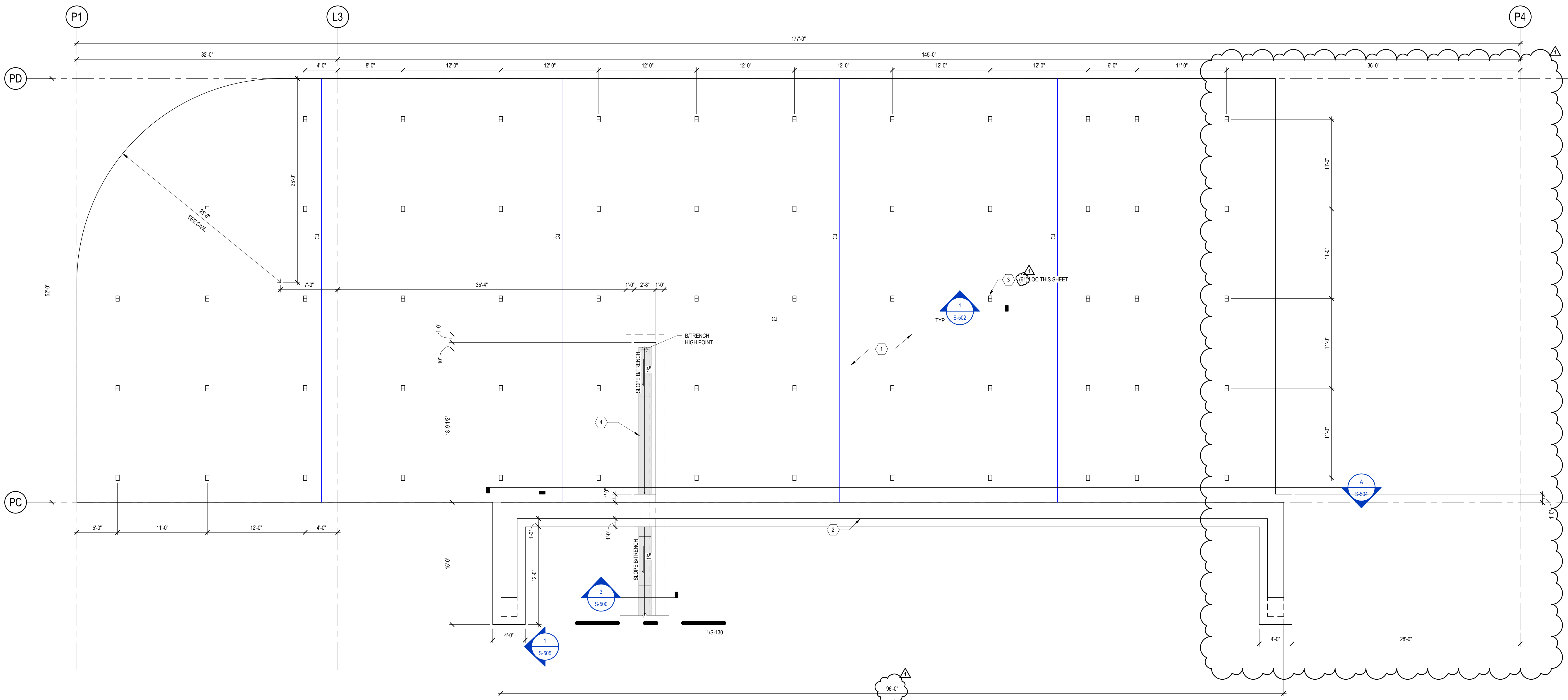
DRAWING NO.

S-132

CJ(XX) = SLAB CONTROL JOINT/CONSTRUCTION JOINT. SEE SHEET S-501 FOR DETAIL.

1. SEE SHEET SERIES S-00X FOR GENERAL NOTES AND ABBREVIATIONS.
2. SEE CIVIL AND ARCHITECTURAL DRAWINGS FOR GROUND FLOOR EXTERIOR CONCRETE SLAB LAYOUT, SLOPES, CONTROL JOINTS AND ELEVATIONS.
3. COORDINATE ALL UNDER-SLAB UTILITIES WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS PRIOR TO POURING FOUNDATIONS AND SLAB. PENETRATE WALL FOUNDATIONS OR DROP FOUNDATIONS AS NEEDED FOR UTILITIES ACCORDING TO DETAILS ON SHEET S-503.
4. T/ SLAB ELEVATION = 0'-0" UNO.
5. COORDINATE LOCATIONS OF FLOOR DRAINS WITH ARCHITECTURAL AND PLUMBING DRAWINGS. SLOPE FLOOR TO DRAIN.

1	10" SLAB ON GRADE REINFORCED W/ #5 @ 12" OC T&B EW
2	BERM WALL PER SHEET S-504
3	SECURING POINT PER DETAIL 4/S-502
4	STAGE 2 SERVICE TRENCH, PER SHEET S-500



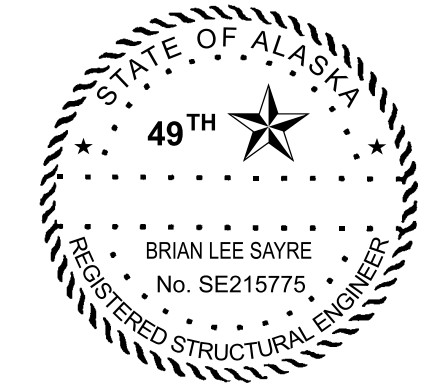
NORTH



FOR CONSTRUCTION

DOCUMENT HISTORY		
1	06/03/26	REVISION 1

AREA 3 PAD D
PACIFIC SPACEPORT COMPLEX, KODIAK ISLAND, ALASKA
ALASKA AEROSPACE CORPORATION

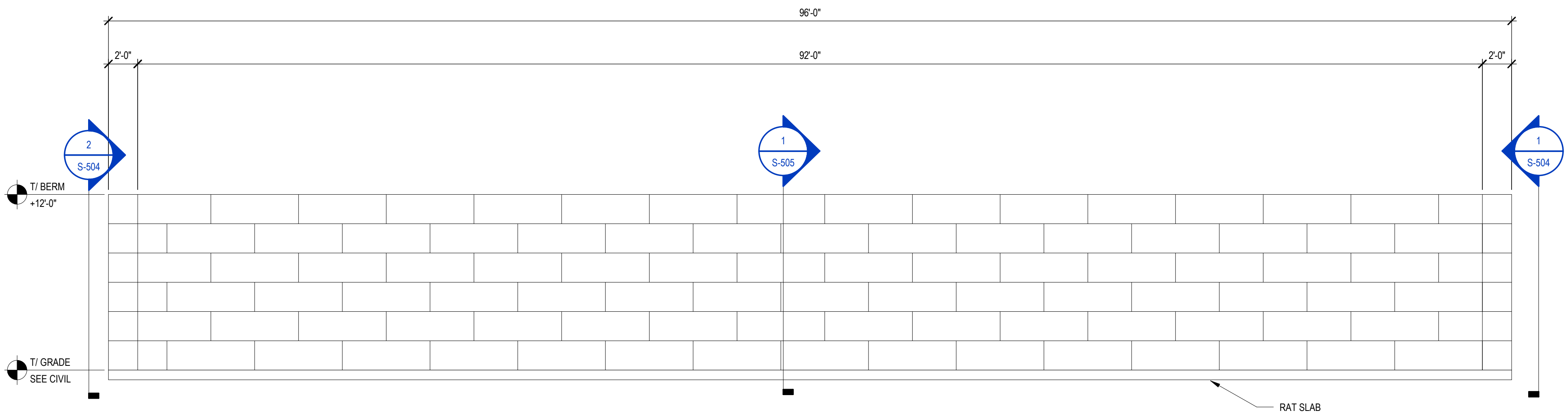


ARCHITECT OF RECORD
BRIAN LEE SAYRE
ALASKA SE 215775
DESIGNED BY
C. ALTINOK
DRAWN BY
K. BANNISTER
PROJECT NUMBER
C09729.001
DATE
05/08/2026
TITLE

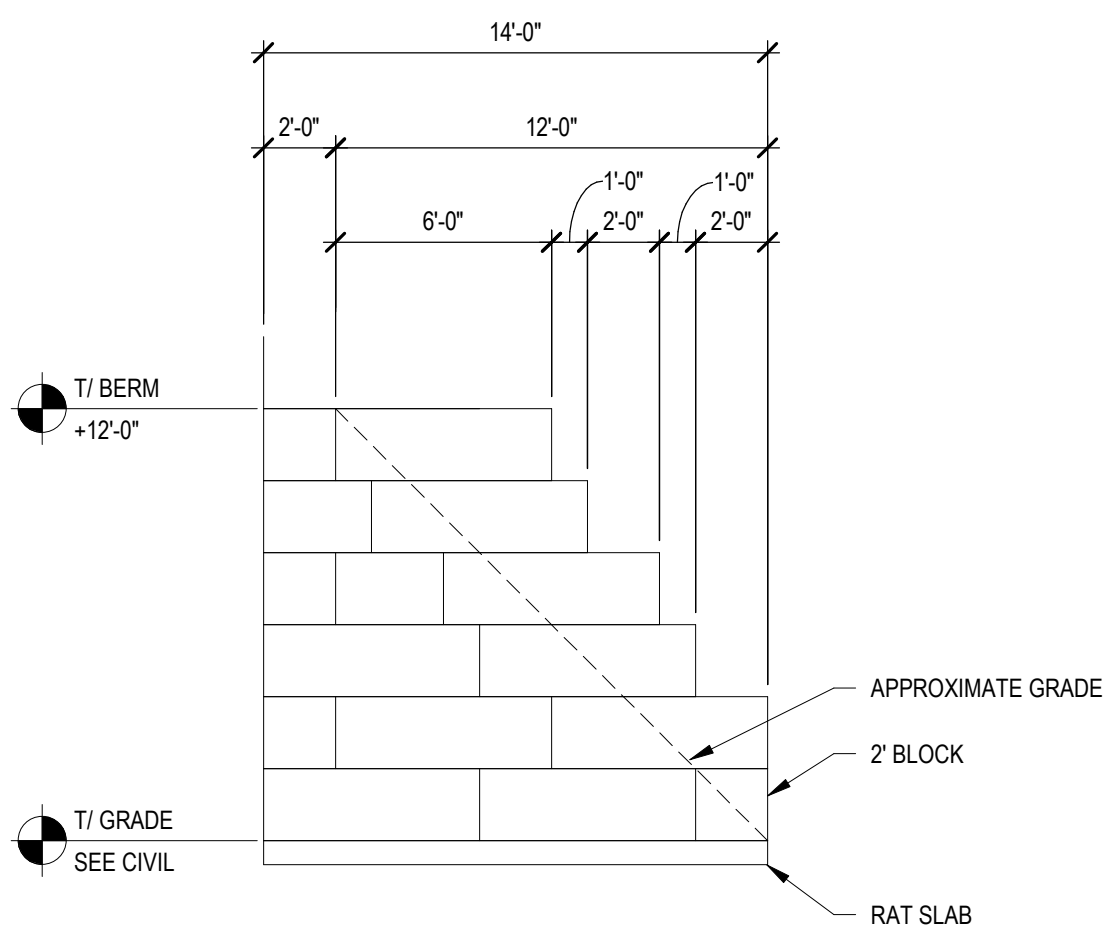
SECTIONS &
DETAILS

DRAWING NO.

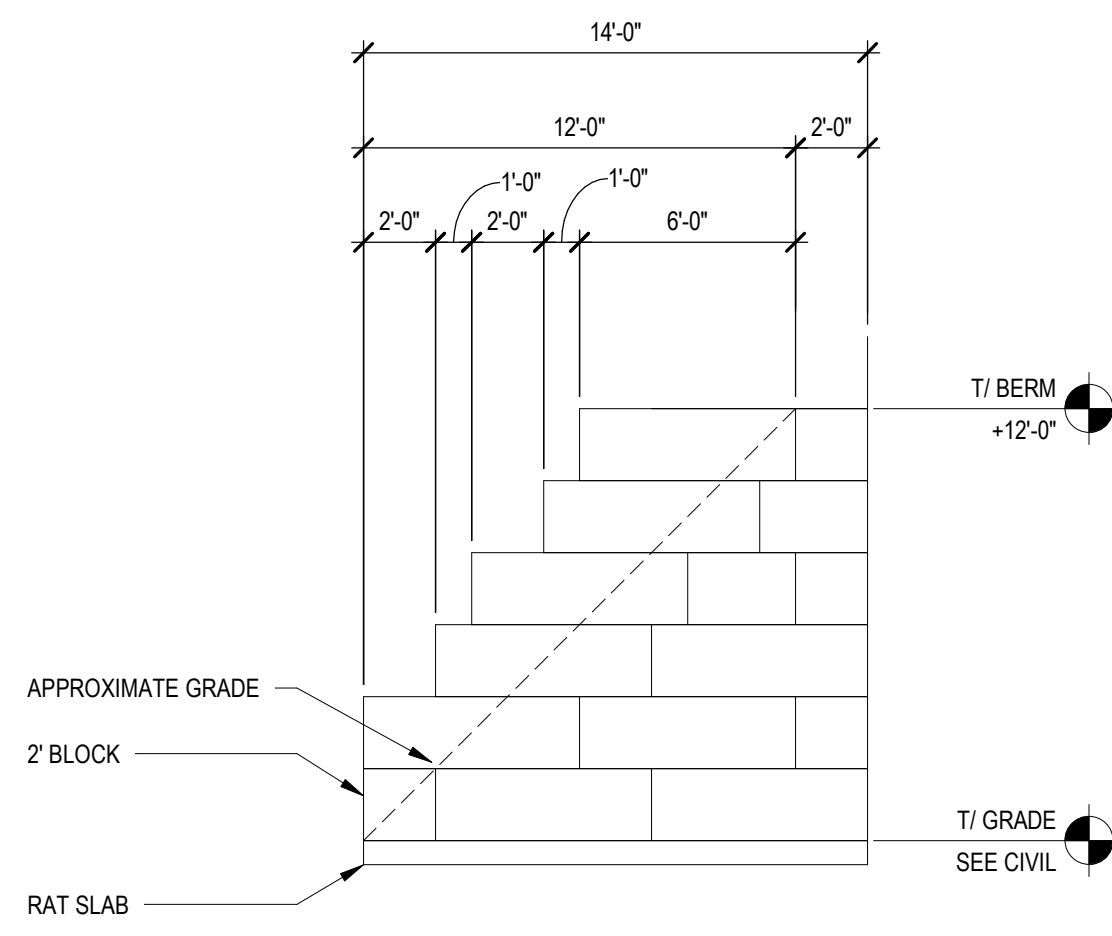
S-504



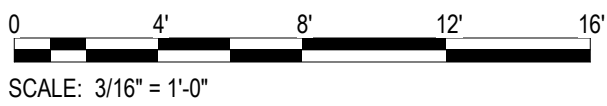
A BERM WALL ELEVATION
SCALE: 3/16" = 1'-0"



1 SECTION
SCALE: 3/16" = 1'-0"



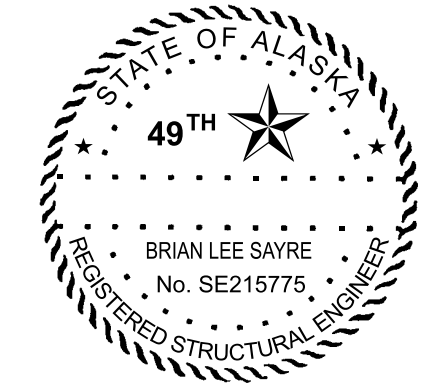
2 SECTION
SCALE: 3/16" = 1'-0"



FOR CONSTRUCTION

DOCUMENT HISTORY	
1	06/03/26 REVISION 1

AREA 3 PAD D
PACIFIC SPACEPORT COMPLEX, KODIAK ISLAND, ALASKA
ALASKA AEROSPACE CORPORATION

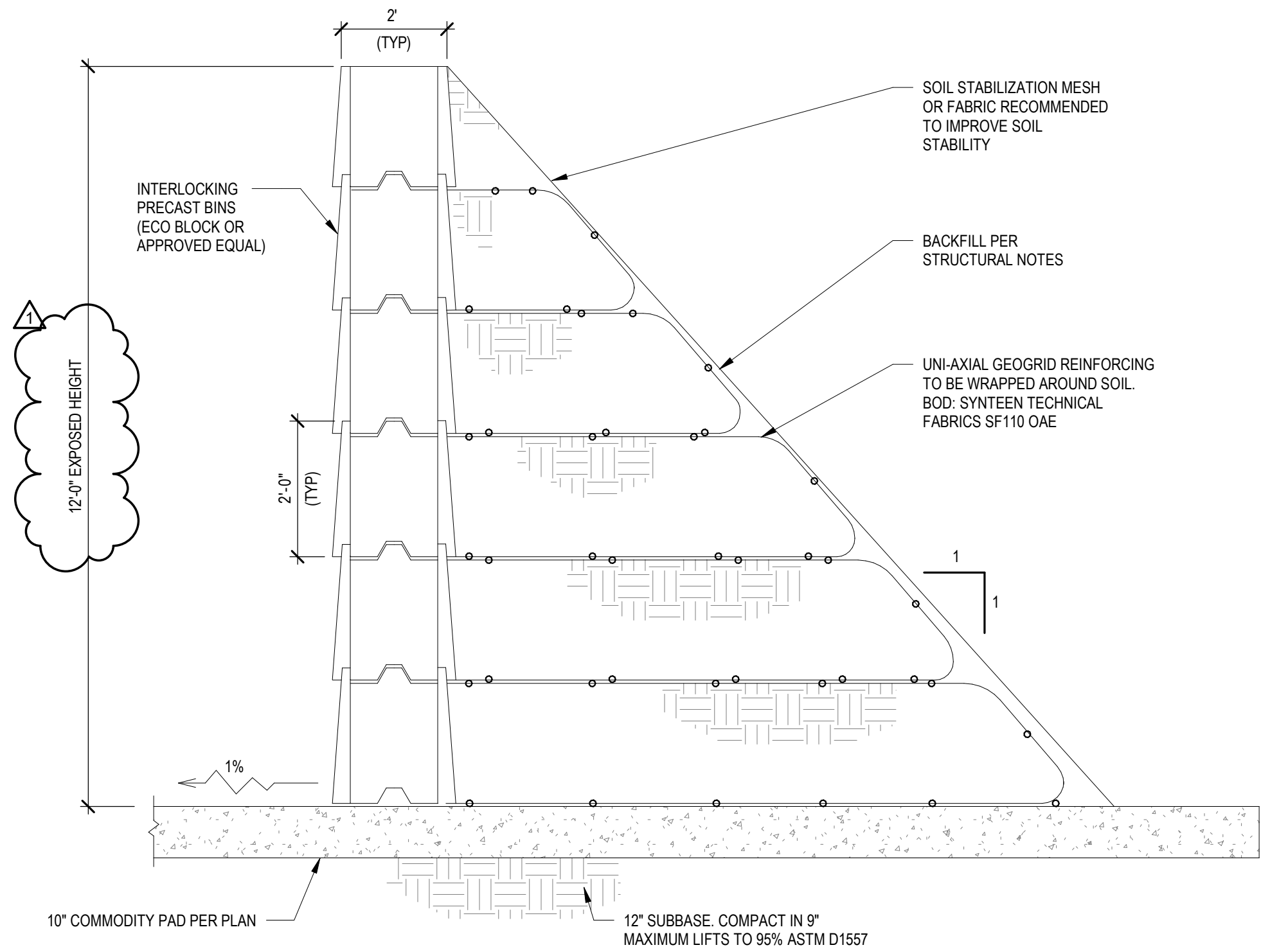


ARCHITECT OF RECORD
BRIAN LEE SAYRE
ALASKA SE 215775
DESIGNED BY
C. ALTINOK
DRAWN BY
K. BANNISTER
PROJECT NUMBER
C09729.001
DATE
05/08/2026
TITLE

SECTIONS &
DETAILS

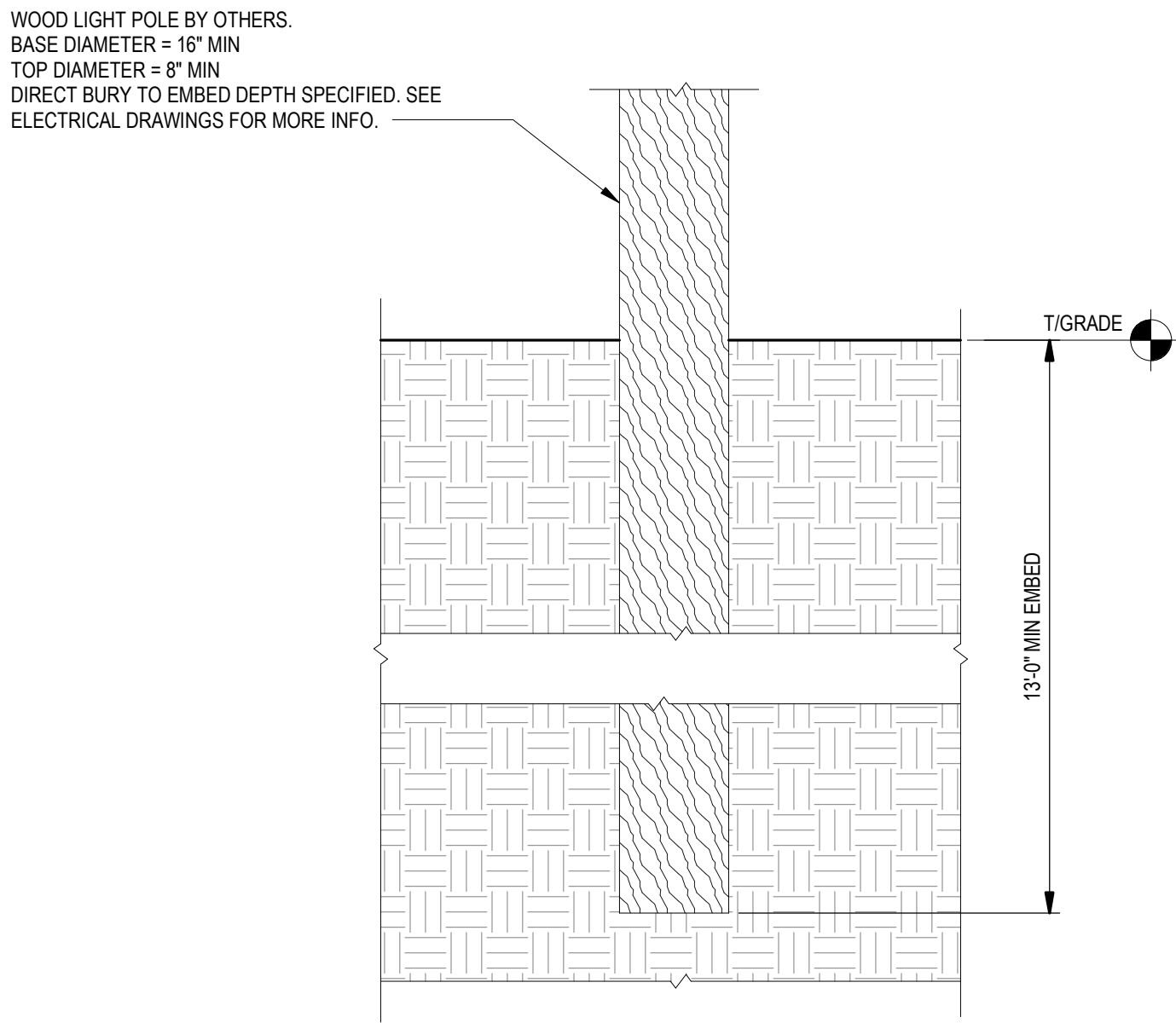
DRAWING NO.

S-505

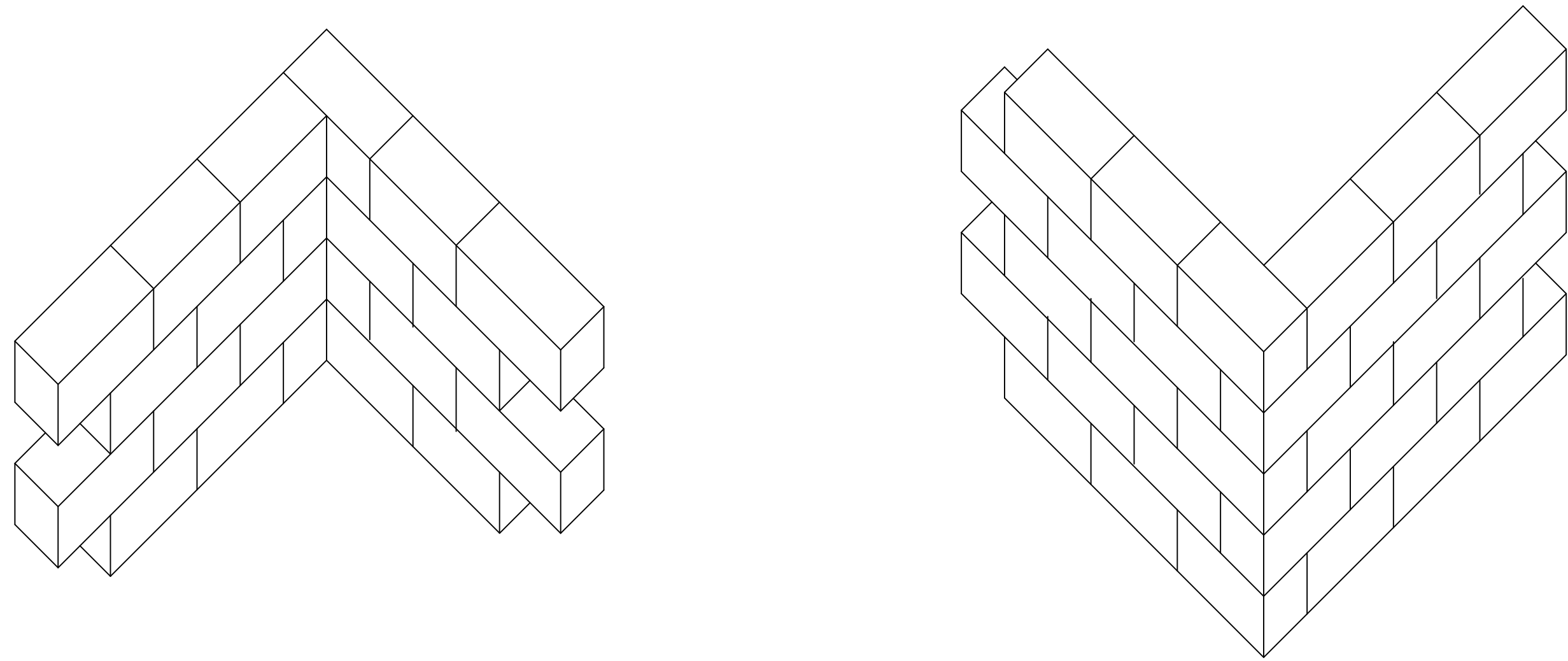


- NOTES:
1. EARTHEN BERM SOIL MAY CONSIST OF NARROW CAPE SANDSTONE OR AGGREGATE.
 2. A FINE MESH POLYMER NET IS REQUIRED FOR EROSION CONTROL.

1 TYPICAL BERM SECTION
SCALE: 1/2" = 1'-0"



3 50FT LIGHT POLE FOUNDATION DETAIL
SCALE: 1/2" = 1'-0"



90° CORNER - NO BATTER (MSE WALL)

2 TYPICAL BERM CORNER DETAIL
SCALE: 1/4" = 1'-0"

