

EXHIBIT H: Design Atrium Snow Shed

SOUTH CENTRAL FOUNDATION
PCC ATRIUM ROOF

4320 DIPLOMACY DR, ANCHORAGE, AK, 99508

CONSTRUCTION DOCUMENTS

06.09.2023

OWNER

SOUTHCENTRAL FOUNDATION
4320 DIPLOMACY DR
ANCHORAGE, ALASKA
Ph: 907.729.3300



ARCHITECT

KPB ARCHITECTS
500 L STREET, SUITE 400
ANCHORAGE, ALASKA 99501
Ph: 907.274.7443



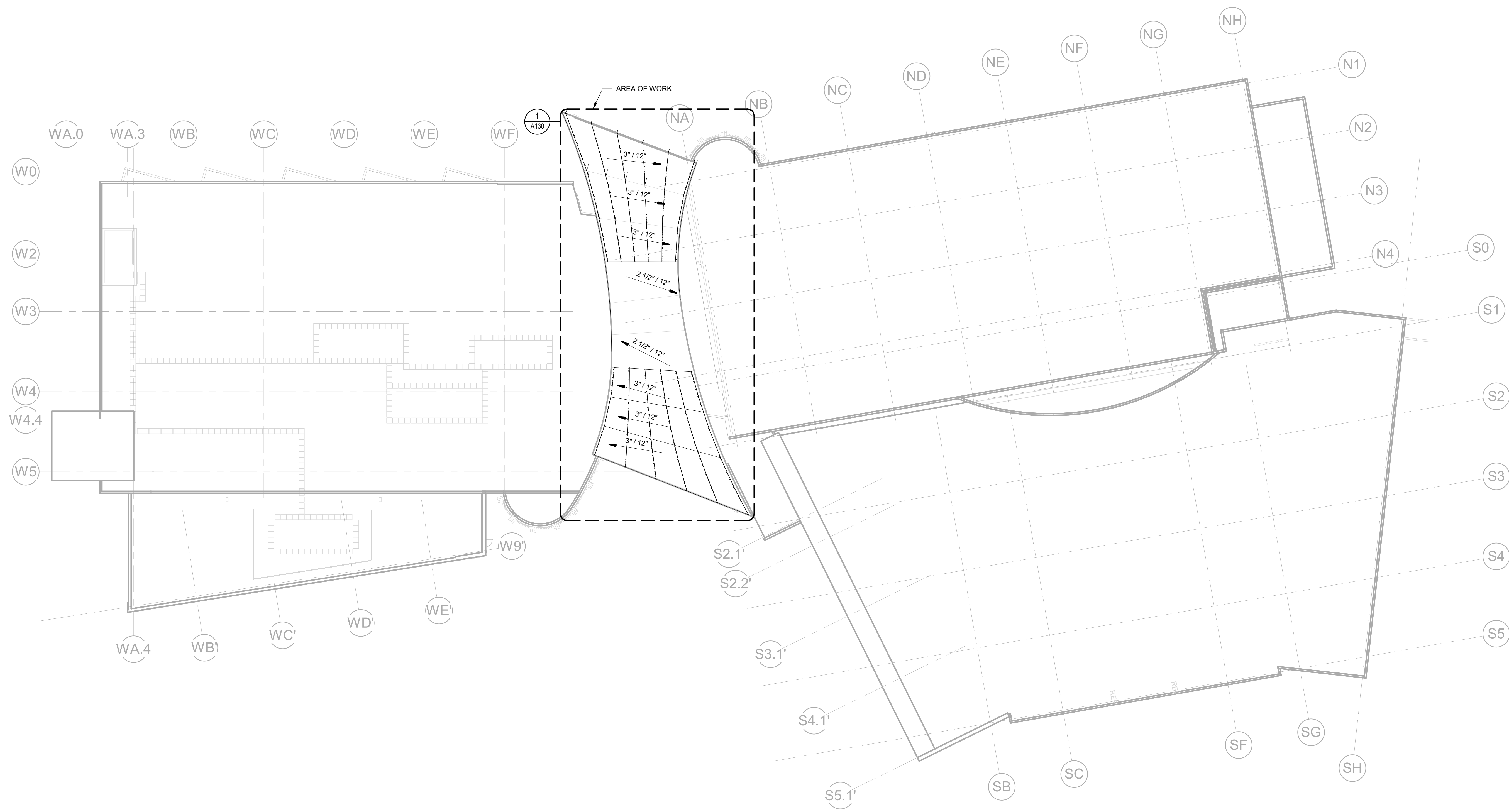
STRUCTURAL ENGINEER

REID MIDDLETON, INC.
4300 B ST. SUITE 302
ANCHORAGE, ALASKA
Ph: 907.562.3439

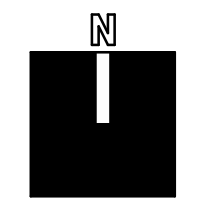
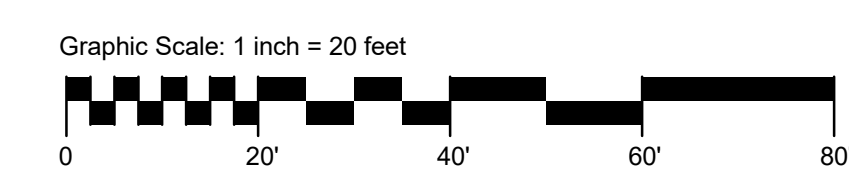




KPB ARCHITECTS
 500 L STREET, SUITE 400
 ANCHORAGE, AK 99501
 (907) 774-7448 | (907) 774-7407
 WWW.KPBARCHITECTS.COM
 A/C CORPORATION # 3452 D



1 ROOF PLAN OVERALL
 Scale: 1" = 20'-0"



SOUTH CENTRAL FOUNDATION
PCC ATRIUM ROOF
 CONSTRUCTION DOCUMENTS
 4320 DIPLOMACY DR., ANCHORAGE, AK, 99508

REVISION SCHEDULE		
#	DESCRIPTION	DATE

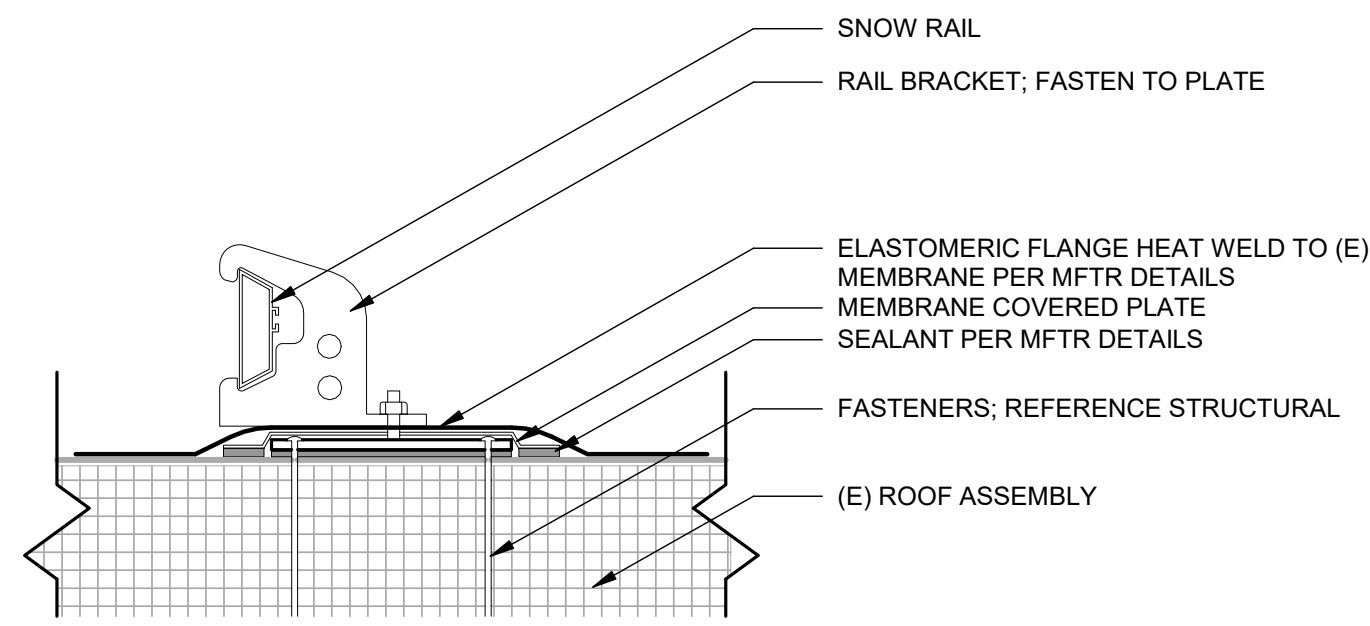
JOB NO.	23022_01
DATE	06.09.2023
DRAWN	TN
REVIEWED	JS

SHEET NAME
 ROOF PLAN - OVERALL

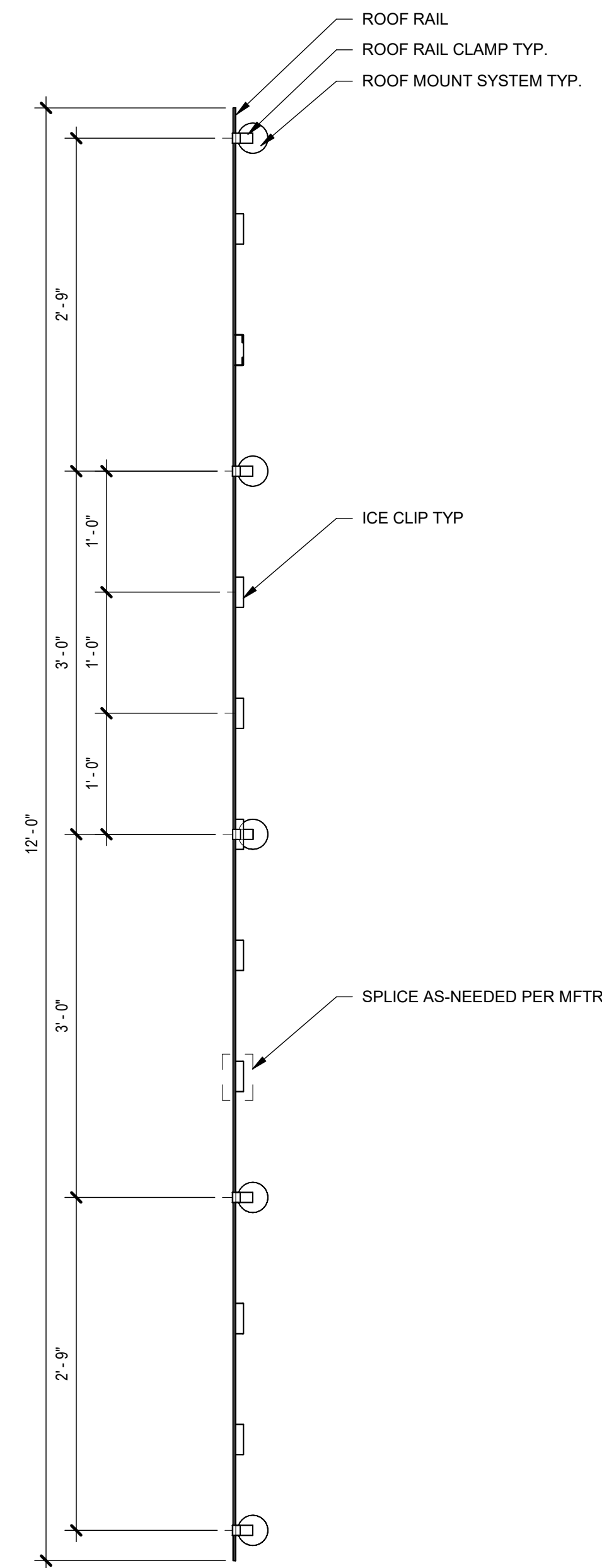
SHEET NO.
A101

HALF-SCALE AT 11X17

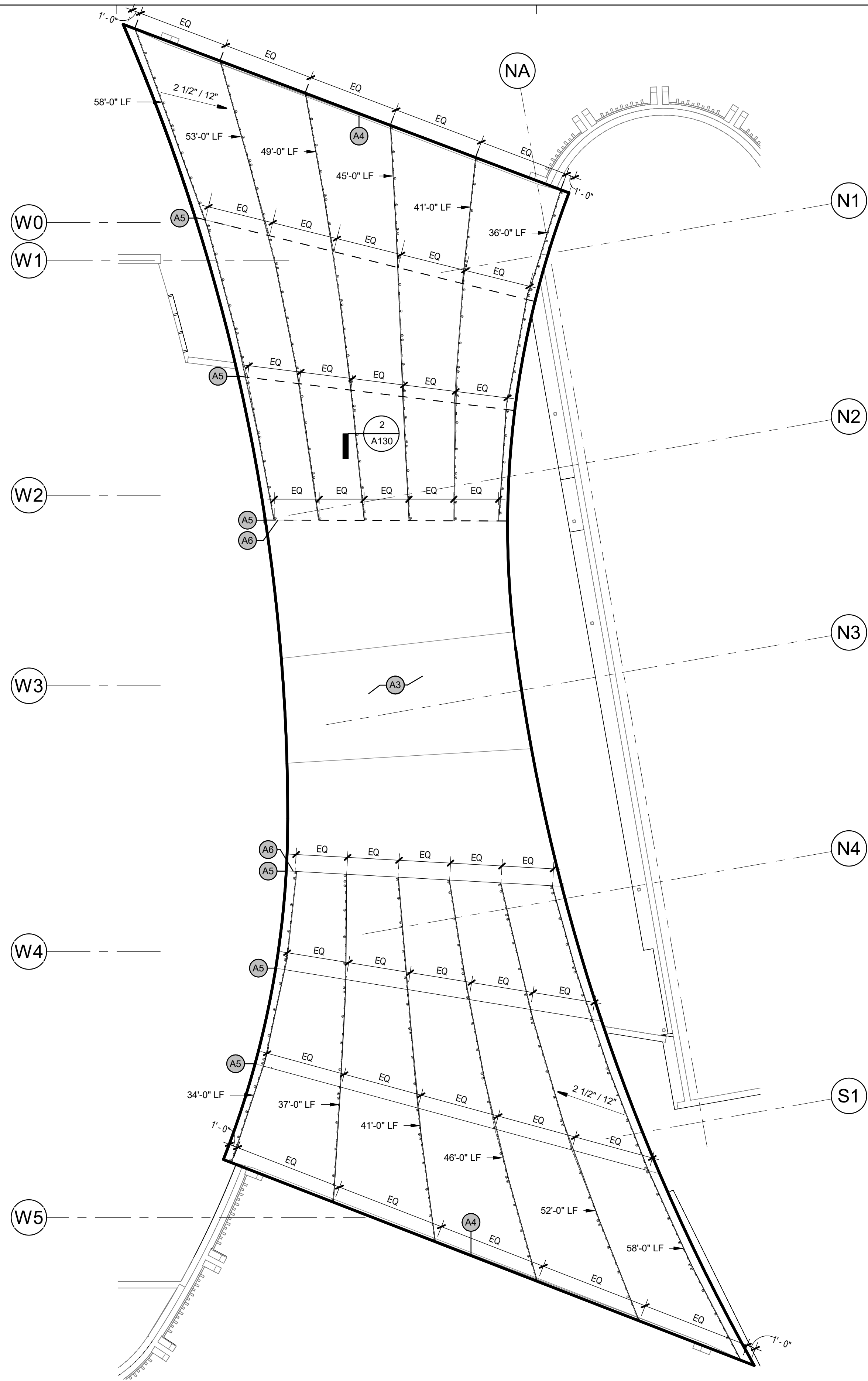
C:\Revtl_Files\23022_01_SCF_PCC Atrium Roof_LOCAL TN R23.rvt



2 SNOW GUARD ATTACHMENT
Scale: 3" = 1'-0"



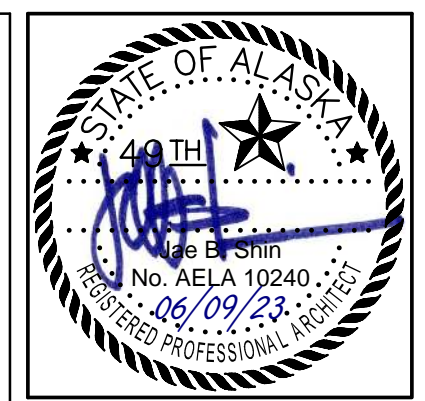
12'-0" SNOW STOP TYP
Scale: 1" = 1'-0"
Graphic Scale: 1 inch = 1 feet



1 ROOF PLAN ENLARGED
Scale: 1/8" = 1'-0"
Graphic Scale: 1 inch = 8 feet

ARCHITECTURAL KEYNOTES	
Key Value	Keynote Text
A3	EXISTING MEMBRANE ROOF
A4	START 12'-0" SNOW GUARD LAYOUT THIS EDGE
A5	BEAM LINE
A6	END SNOW GUARD RUNS @ BEAM

- GENERAL PLAN NOTES**
- FIELD VERIFY ALL DIMENSIONS AND ON-SITE CONDITIONS
 - FABRICATE SNOW GUARDS IN 12'-0" SECTIONS OR STANDARD MFTR LENGTHS; SHORTER SECTIONS WHERE NEEDED FOR ROOF PLANE VARIATIONS
 - SEAL ROOF MOUNT SYSTEM TO EXISTING MEMBRANE ROOF PER MFTR. INSTRUCTIONS
 - SEE STRUCTURAL DRAWINGS FOR FASTENING DETAILS
 - 550 LF TOTAL; VERIFY IN FIELD



KPB ARCHITECTS
500 L STREET, SUITE 400
ANCHORAGE, AK 99501
(907) 274-7445 | (907) 274-7407
WWW.KPBARCHITECTS.COM
AK CORPORATION # 3452 D

SOUTH CENTRAL FOUNDATION
PCC ATRIUM ROOF
CONSTRUCTION DOCUMENTS
4320 DIPLOMACY DR, ANCHORAGE, AK, 99508

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO. 23022_01
DATE 06.09.2023
DRAWN TN
REVIEWED JS

SHEET NAME
ROOF PLAN - ENLARGED

SHEET NO.
A130

HALF-SCALE AT 11X17

GENERAL STRUCTURAL NOTES

GENERAL

THE CONTRACTOR MUST VERIFY AND COORDINATE ALL DIMENSIONS AMONG THE DRAWINGS BEFORE STARTING ANY WORK OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, REFERENCE STANDARDS, SITE CONDITIONS OR GOVERNING CODE, THE MORE STRINGENT REQUIREMENTS MUST GOVERN. CONTRACTOR MUST NOTIFY THE ENGINEER OF DISCREPANCIES AND OBTAIN DIRECTION PRIOR TO PROCEEDING. NOTES ON INDIVIDUAL STRUCTURAL DRAWINGS MUST TAKE PRIORITY OVER GENERAL STRUCTURAL NOTES. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED AS TYP ON THE PLANS BUT MUST APPLY AS SHOWN OR DESCRIBED IN THE DETAILS.

ALL CONSTRUCTION MUST COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE (MOA).

SAFETY - THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL FEDERAL, STATE AND LOCAL SAFETY STANDARDS. THE CONTRACTOR IS IN CHARGE OF ALL SAFETY MATTERS ON AND AROUND THE JOB SITE.

STRUCTURAL DESIGN DATA

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2018 IBC AND 2018 IEBC AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE. WORK UNDER THE IEBC IS CONSIDERED A LEVEL I ALTERATION OR REPAIR. NO WORK WILL INCREASE THE STRESS DUE TO GRAVITY OR LATERAL LOADS TO ANY EXISTING MEMBER BY MORE THAN 10%.

REFER TO ARCHITECTURAL DRAWINGS FOR PLAN VIEW, SLOPES, ROOFING, FINISHES, ETC.

THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING OPERATIONAL LOADS ON THE COMPLETED STRUCTURES. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SHORING AND BRACING DURING CONSTRUCTION.

SNOW LOADS: GROUND SNOW (Pg) = 50 PSF
Is=1.0, Ct=1.0, Ce=1.0
ROOF SNOW (Ps) = 40 PSF SLOPED

EXISTING CONDITIONS

CONTRACTOR MUST VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING WORK. DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED ON EITHER SITE OBSERVATIONS, ORIGINAL DRAWINGS, OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF EXISTING CONDITIONS DO NOT CLOSELY MATCH CONDITIONS SHOWN ON DRAWINGS, OR IF EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY ENGINEER PRIOR TO COMMENCING WORK.

SPECIAL INSPECTION

THE OWNER MUST ENGAGE A SPECIAL INSPECTOR. COPIES OF INSPECTION REPORTS MUST BE AVAILABLE TO THE CONSTRUCTION SITE FOR REVIEW BY THE MOA BUILDING SAFETY PERSONNEL.

INSTALLATION OF THE SNOW KEEPERS IN A MANNER THAT ENSURES WATER TIGHTNESS AND STRUCTURAL DURABILITY IS REQUIRED TO BE PERIODICALLY SPECIAL INSPECTED, A MINIMUM OF (2) TIMES DURING THE INSTALLATION (ONCE FOR THE NORTH SECTION AND ONCE FOR THE SOUTH SECTION). AT LEAST 25% OF CONNECTIONS SHALL BE INSPECTED DURING THE PERIODIC INSPECTIONS.

SUBMITTALS

THE CONTRACTOR MUST REVIEW, STAMP WITH THEIR APPROVAL, DATE AND SIGN SHOP DRAWINGS FOR THE SELECTED SNOW KEEPER SYSTEM (BASIS OF DESIGN OR ALTERNATE) PRIOR TO SUBMITTAL TO THE ENGINEER.

AT THE TIME OF SUBMISSION, THE CONTRACTOR MUST INFORM THE ENGINEER IN WRITING OF ANY DEVIATION IN THE SHOP DRAWINGS FROM THE REQUIREMENTS OF THE CONTRACT DRAWINGS.

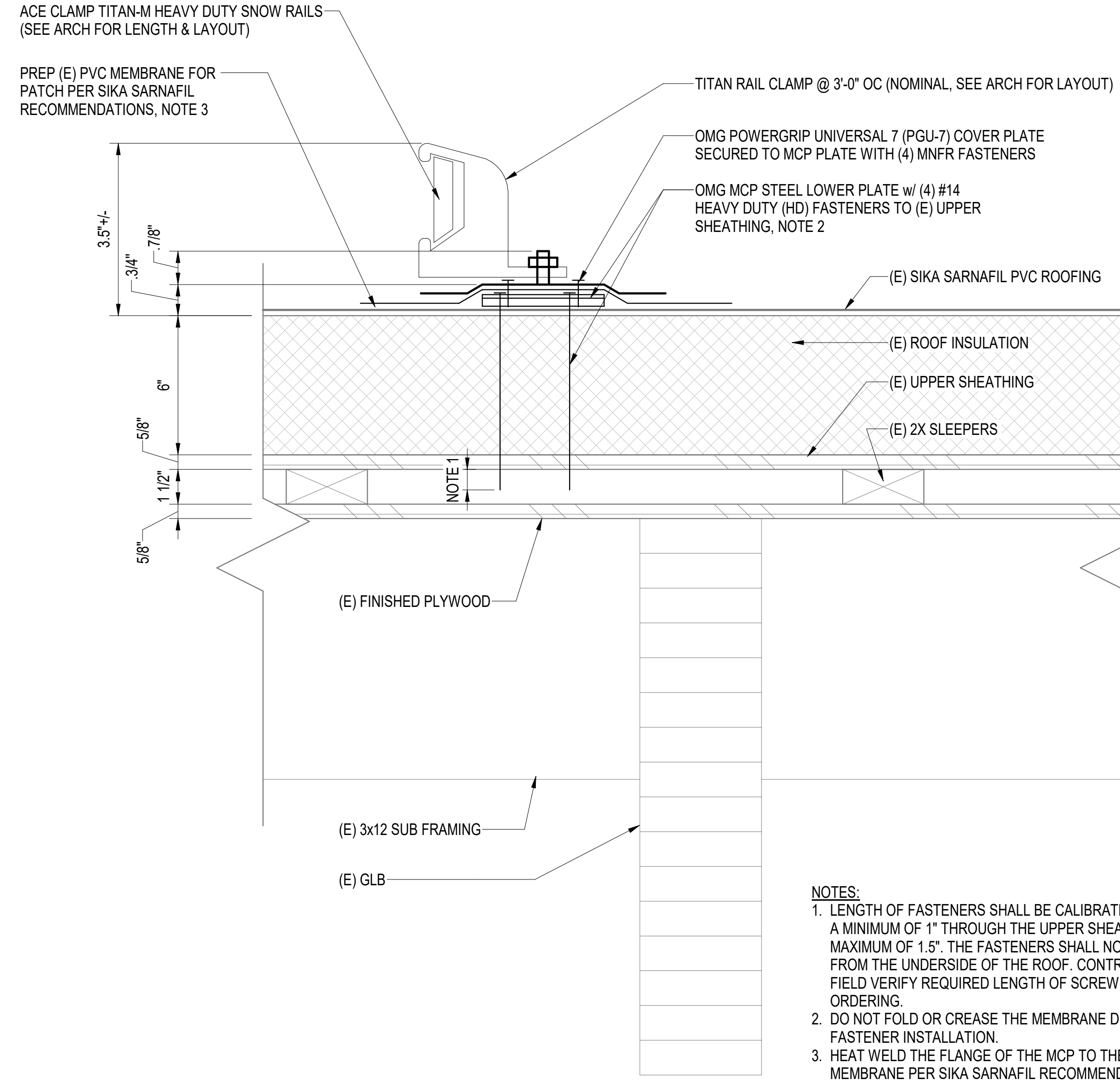
DIMENSIONS AND QUANTITIES ARE THE CONTRACTOR'S RESPONSIBILITY AND WILL NOT BE REVIEWED.

SNOW KEEPER

THE BASIS OF DESIGN IS AS FOLLOWS:

- MANUFACTURER: ACE-CLAMP
- SNOW TITAN RAIL, SPLICES & CONNECTORS (5096-ST), 8' LONG BARS (OR SIMILAR)
- SNOW TITAN MEMBRANE KIT (5096-ST MB KIT)
- OMG POWERGRIP 7 UNIVERSAL AT 36" ON-CENTER
- ICE CLIPS AT 12" ON-CENTER

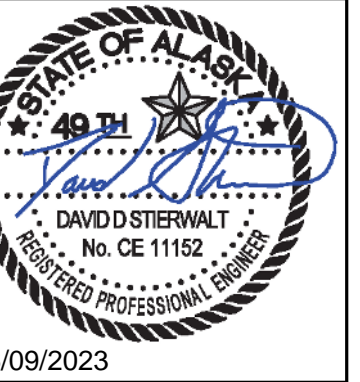
THESE DRAWINGS INDICATE A BASIS OF DESIGN SNOW KEEPER. IF AN ALTERNATE PRODUCT IS UTILIZED, PROVIDE DRAWINGS AND CALCULATIONS, SEALED BY A PROFESSIONAL ENGINEER (LICENSED IN ANY STATE) RESPONSIBLE FOR THE DESIGN. SUBMIT THIS ALTERNATE TO THE ENGINEER FOR REVIEW FOR GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS PRIOR TO SUBMITTING TO BUILDING SAFETY FOR REVIEW. SUBMITTALS OF BUILDER-DESIGNED ITEMS MUST INCLUDE LOCATIONS, MAGNITUDES, AND DIRECTIONS OF ALL FORCES TRANSFERRED TO THE STRUCTURE. DEFERRED SUBMITTALS MUST BE REVIEWED AND APPROVED BY BUILDING SAFETY PRIOR TO INSTALLATION OR CONSTRUCTION.



- NOTES:**
1. LENGTH OF FASTENERS SHALL BE CALIBRATED TO EXTEND A MINIMUM OF 1" THROUGH THE UPPER SHEATHING AND A MAXIMUM OF 1.5". THE FASTENERS SHALL NOT BE VISIBLE FROM THE UNDERSIDE OF THE ROOF. CONTRACTOR TO FIELD VERIFY REQUIRED LENGTH OF SCREWS PRIOR TO ORDERING.
 2. DO NOT FOLD OR CREASE THE MEMBRANE DURING FASTENER INSTALLATION.
 3. HEAT WELD THE FLANGE OF THE MCP TO THE (E) ROOF MEMBRANE PER SIKA SARNAFIL RECOMMENDATIONS AND SEAL CUT EDGES AS REQUIRED.

1 SNOW GUARD ATTACHMENT
S101 3" = 1'-0"

@	At	BLKG	Blocking	EA	Each	INT	Interior	OH	Overhead	SIM	Similar	TYP	Typical
AB	Anchor Bolts	BM	Beam	EQ	Equal. Earthquake	LAG	Lag Screw	OPNG	Opening	SQ	Square	UON	Unless Otherwise Noted
BLDG	Building	BOT	Bottom	EW	Each Way	LOC	Location	PL	Plate	STL	Steel	VERT	Vertical
ARCH	Architect	BTWN	Between	EXP	Expansion	LONG	Longitudinal	PLS	Places	T&B	Top and Bottom	W/	With
AR	Anchor Rod	CL	Center-Line	FDN	Foundation	MAX	Maximum	PSF	Pounds-per-square-foot	T&G	Tongue and Groove	W/O	Without
ALT	Alternate	CLR	Clear	FF	Finished Floor	MEZZ	Mezzanine	PSI	Pounds-per-square-inch	T.O.	Top of	W	Wide-Flange, Wide
AHJ	Authority Having Jurisdiction	COL	Column	GALV	Galvanized	MIN	Minimum	REQ'D	Required	T.O.B.	Top of Beam	W/C	Water / Cement Ratio
AFF	Above Finish Floor	CONC	Concrete	GLB	Glue-Laminated Beam	MFR	Manufacturer	RO	Rough Opening	T.O.S.	Top of Steel	W.P.	Work Point
ADH	Adhesive	CONT	Continuous, Continue	HORZ	Horizontal	(N)	New	SBN	Shearwall Boundary Nailing	T.O.W.	Top of Wall	WWR	Welded Wire Reinforcement
ADD'L	Additional	DBN	Diaphragm Boundary Nailing	HSS	Hollow Structural Steel	OC	On-Center	SCH	Schedule	TRANS	Transverse		
		(E)	Existing	IBC	International Building Code								



KPB ARCHITECTS
500 L STREET, SUITE 400
ANCHORAGE, AK 99501
(907) 274-7443 (F) 907-274-7407
WWW.KPBARCHITECTS.COM
AK CORPORATION # 34752 D

Reid Middleton
4300 B St., Suite 302 Anchorage, AK 99503
Phone 907 562-3439 - www.reidmiddleton.com
Corporate License #AEC0598
© Copyright Reid Middleton, Inc. 2023

**SOUTH CENTRAL FOUNDATION
PCC ATRIUM ROOF
CONSTRUCTION DOCUMENTS
4320 DIPLOMACY DR., ANCHORAGE, AK, 99508**

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO.	402023.045
DATE	06-09-2023
DRAWN	DS
REVIEWED	DS

SHEET NAME
GENERAL NOTES & DETAILS

SHEET NO.
S101

HALF-SCALE AT 11X17