

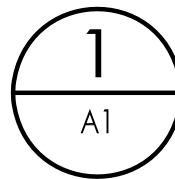
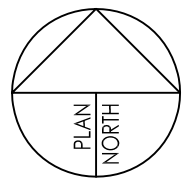
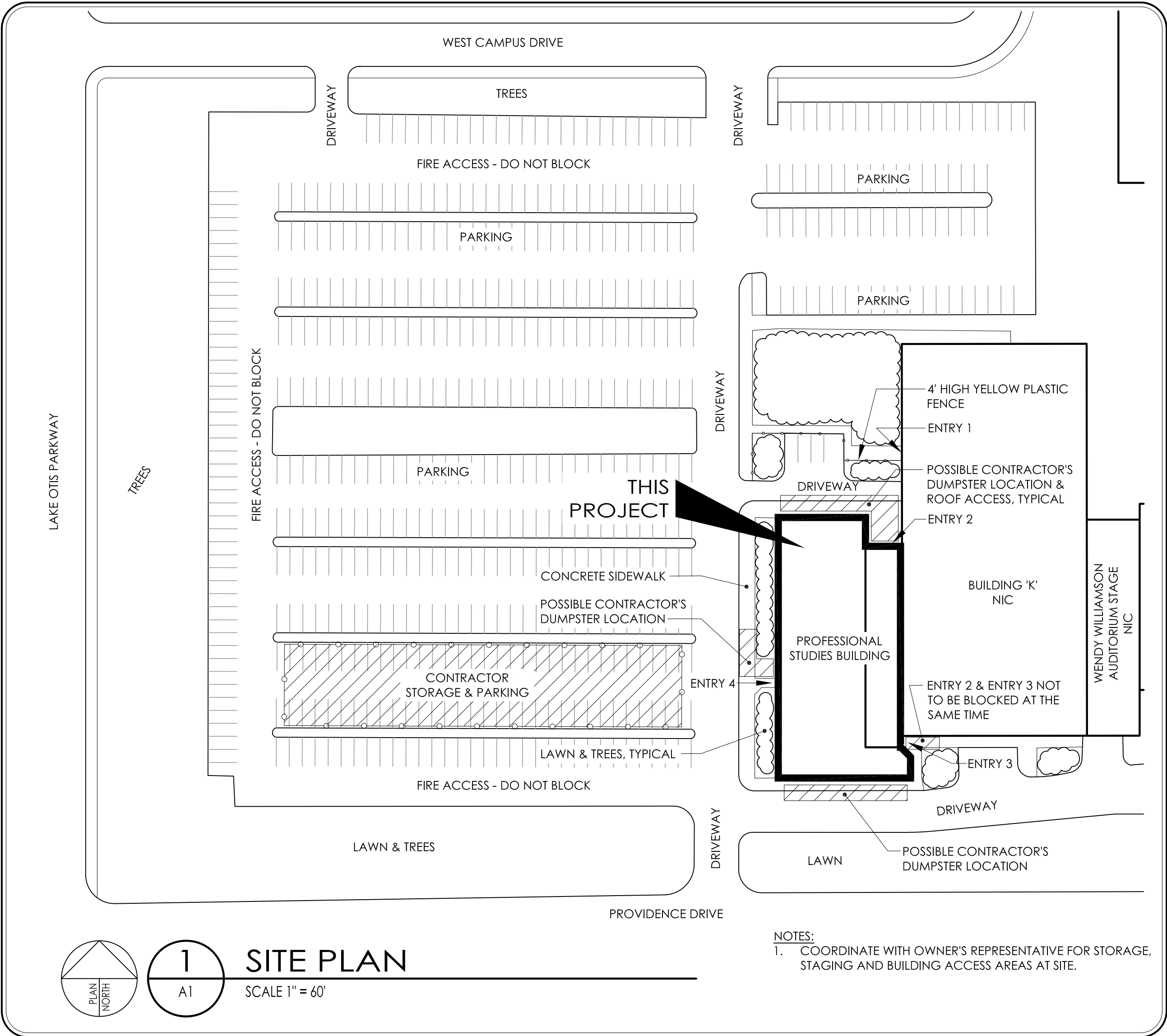
UAA PROFESSIONAL STUDIES BUILDING REROOF

University of Alaska

Project No: 14-0040

Anchorage, Alaska

ABBREVIATIONS	
ACM APPROX	ASBESTOS CONTAINING MATERIALS APPROXIMATELY
BLDG	BUILDING
BUR	BUILT UP ROOFING
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
DIA	DIAMETER
DWG	DRAWING
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATION
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPS	EXPANDED POLYSTYRENE INSULATION
EQ	EQUAL
ETR	ELECTRICAL THROUGH ROOF
EXIST	EXISTING
FIB BD	FIBER BOARD
GA	GAUGE
GALV	GALVANIZED
GLB	GLUE LAMINATED BEAM
GWB	GYPSUM WALL BOARD
INFO	INFORMATION
INSUL	INSULATION
J-BOX	JUNCTION BOX
LF	LINEAR FEET
LG	LIGHT GUARD
MAX	MAXIMUM
MCBUR	MINERAL CAP BUILT UP ROOF
MECH	MECHANICAL
MFR	MANUFACTURER
MISC	MISCELLANEOUS
MIN	MINIMUM
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NRCA	NATIONAL ROOFING CONTRACTORS ASSOCIATION
NTS	NOT TO SCALE
OC	ON CENTERS
OD	OUTSIDE DIAMETER
OFS	OVERFLOW SCUPPER
ORD	OVERFLOW ROOF DRAIN
POLY	POLYETHYLENE
POLYISO	POLYISOCYANURATE INSULATION
PREFAB	PREFABRICATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE PRESERVATIVE TREATED
PTR	PIPE THROUGH ROOF
RD	ROOF DRAIN
RL	RAIN LEADER
RM	ROOM
SAM	SELF ADHERING MEMBRANE
SBS	STYRENE-BUTADIENE-STYRENE
SD	STORM DRAIN
SEBS	STYRENE-ETHYLENE-BUTADIENE-STYRENE
SF	SQUARE FOOT, SQUARE FEET
SIM	SIMILAR
SM	SHEET METAL
SPF	SPRAYED POLYURETHANE FOAM
SS	STAINLESS STEEL
STRUC	STRUCTURAL
T.O.	TOP OF
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
W	WIDE
W/	WITH
XPS	EXTRUDED POLYSTYRENE BOARD



SITE PLAN

SCALE 1" = 60'

NOTES:

1. COORDINATE WITH OWNER'S REPRESENTATIVE FOR STORAGE, STAGING AND BUILDING ACCESS AREAS AT SITE.

ENVIRONMENTAL

1. ROOFS 2 AND 3 TESTED POSITIVE FOR ASBESTOS IN THE BUR MEMBRANE. SEE TEST RESULTS IN SPECIFICATION 02 26 00.

2. CONTRACTOR TO REMOVE AND DISPOSE OF ACM PER CURRENT AND APPLICABLE (AT THE TIME OF ACTUAL WORK) OSHA, EPA, AND LOCAL REGULATIONS.

WIND UPLIFT MAP

WIND UPLIFT MAP			
ROOF ZONE		10 SQUARE FEET	100 SQUARE FEET
1	INTERIOR	-22.3 PSF	-20.4 PSF
2	EDGE	-37.3 PSF	-24.1 PSF
3	CORNER	-56.2 PSF	-24.1 PSF

ASCE 7-10, VULT=145 MPH, EXPOSURE B, RISK CATEGORY II. PRESSURES ABOVE HAVE BEEN REDUCED FOR THE ASD LOAD CASES (0.6*W). NOTE TO CONTRACTOR AND ROOF MANUFACTURER: WIND SPEED NOMENCLATURE AND PROCEDURE CHANGED IN THE LAST CODE CYCLE. PRESSURES REMAIN THE SAME FOR 145 & 110 MPH.

GENERAL NOTES

1. THE "NATIONAL ROOFING CONTRACTOR'S ASSOCIATION (NRCA) ROOFING MANUAL: MEMBRANE ROOF SYSTEMS" IS USED AS THE BASIS FOR THIS DESIGN AND IS TO BE USED BY THE CONTRACTOR AS A BASIS FOR CONSTRUCTION, UNLESS OTHERWISE NOTED.

2. ROOF INVESTIGATIVE INFORMATION IS SHOWN ON EXISTING DETAILS.

3. EXISTING CONDITIONS ARE SHOWN AS ACCURATELY AS POSSIBLE. SITE VERIFY ALL INFORMATION NOTED IN THESE CONTRACT DOCUMENTS.

4. ALL DETAILS ARE TO BE CONSIDERED TYPICAL. SIMILAR DETAILS OCCUR AT SIMILAR LOCATIONS.

5. IF DECAYED WOOD OR STEEL IS FOUND, INFORM THE OWNER'S REPRESENTATIVE.

6. NO SILICONE SEALANT IS TO BE USED. USE APPROVED POLYURETHANE SEALANT.

7. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES, ELECTRICAL EQUIPMENT AND WIRING BEFORE PROCEEDING WITH ANY WORK.

8. ALL ROOFING AND BUILDING MATERIALS ARE TO BE KEPT DRY.

9. CONTRACTOR TO WORK ON ONLY THE PORTION OF THE ROOFING THAT CAN BE WATERPROOFED THAT DAY.

10. CLEANING DURING CONSTRUCTION: CONTROL ACCUMULATION OF WASTE MATERIALS AND RUBBISH. DISPOSE OF WASTE IMMEDIATELY. KEEP AREAS FREE OF HAZARDS AND RUBBISH.

11. BUILDINGS ARE TO BE OCCUPIED DURING REROOF WORK. COORDINATE ALL WORK SO AS TO NOT INTERRUPT OCCUPANCY REQUIREMENTS.

12. CONTRACTOR TO COORDINATE WITH THE OWNER'S REPRESENTATIVE AS TO LOCATION OF ASPHALT KETTLES TO MINIMIZE FUMES ON BUILDING OCCUPANTS.

13. CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE SITE AND BUILDING FROM PROJECT RELATED DAMAGE.

14. PROTECT EXISTING BUILDING WALLS FROM ACCIDENTAL DISCHARGE OR LEAKING FROM HOT ASPHALT DELIVERY PIPING SYSTEM.

15. TAKE SPECIAL CARE TO SECURE ALL CONSTRUCTION AND DEMOLITION MATERIALS FROM WIND DISPLACEMENT.

16. COORDINATE WITH OWNER'S REPRESENTATIVE TO ACCOMMODATE ANY SPECIAL REASONABLE NEEDS.

17. NO NOISE PRODUCING WORK BEFORE 7 AM OR AFTER 10 PM, UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE.

ACCESS & STAGING NOTES

1. MAINTAIN ALL SITE ACCESS AND BUILDING OCCUPANT AND VEHICLE ENTRIES FREE FROM OBSTRUCTIONS AT ALL TIMES.

2. STAGING AREAS, BUILDING ACCESS AND CONSTRUCTION ACTIVITIES TO BE COORDINATED WITH OWNER'S REPRESENTATIVE.

3. CONTRACTOR TO BE RESPONSIBLE FOR TEMPORARY FENCING AND MATERIAL STORED ON SITE.

DEAD LOAD ANALYSIS

REMOVED FROM ROOF		ADDED TO ROOF	
PAVERS	18.0 PSF	MINERAL CAP BUR	2.5 PSF
INSULATION	0.5 PSF	1/2" WOOD FIBER BOARD	0.5 PSF
3/4" BUR MEMBRANE	3.0 PSF	7" POLYISO (R40 AVERAGE)	1.2 PSF
		BUR VAPOR RETARDER	1.5 PSF
	21.5 PSF		5.7 PSF

LOAD REDUCTION: 15.8 PSF TOTAL

DESIGN/CODE DATA

THIS DESIGN/CODE DATA REFERS TO ROOFING WORK ONLY

2012 INTERNATIONAL BUILDING CODE (IBC)
2009 INTERNATIONAL MECHANICAL CODE (IMC)
2011 NATIONAL ELECTRICAL CODE (NEC)
2009 UNIFORM PLUMBING CODE (UPC)

COMPLY WITH APPLICABLE MOA AMENDMENTS
WIND DESIGN SPEED (VULT) = 145 MPH PER 2012 IBC, RISK CATEGORY II (SEE NOTE ON WIND UPLIFT MAP)
CLASS "A" ROOF COVERINGS

SYMBOLS

X
AX

DETAIL NUMBER
SHEET NUMBER WHERE DETAIL IS LOCATED

CONTINUOUS LUMBER

DISCONTINUOUS LUMBER

RIGID INSULATION

BATT INSULATION

PLYWOOD

GYPSUM WALL BOARD

WOOD FIBERBOARD

EXISTING ROOF DRAIN

NEW ROOF DRAIN

EXISTING SCUPPER

NEW SCUPPER

HOT STACK

HOT STACK W/ CURB

ROUND SHEET METAL VENT STACK

MECHANICAL VENT ON CURB

PLUMBING VENT THROUGH ROOF

PIPE THROUGH ROOF

ROOF SLOPE DIRECTION

ROOF CUT / CORE SAMPLE LOCATION

TAPERED EPS DRAINAGE CRICKET

ROOF ACCESS LADDER

INDICATES ROOF AREA NUMBER

APPROXIMATE ROOF ELEVATION

APPROXIMATE ELEVATION AT THIS LOCATION

ROOF DECK HEIGHT CHANGE DUE TO SLOPE

SPECIAL CONDITIONS

CONTRACTOR MAY UTILIZE POWER AND WATER AT THE SITE AT NO COST.

CONTRACTOR TO PROVIDE PORTABLE TOILETS.

COORDINATE ANY BUILDING EQUIPMENT SHUTDOWNS WITH THE OWNER'S REPRESENTATIVE.

COLOR SCHEDULE

MC BUR: WHITE

PREFINISHED SHEET METAL: FROM MANUFACTURER'S STANDARD COLORS

METAL SIDING: FROM MANUFACTURER'S STANDARD COLORS

LADDER: PAINT TO MATCH EXISTING WALL

SHEET INDEX

A1 TITLE AND INFORMATION SHEET

A2 EXISTING ROOF PLAN

A3 NEW ROOF PLAN

A4 ROOF DETAILS

A5 ROOF DETAILS

A6 ROOF DETAILS

A7 ROOF DETAILS

STATE OF ALASKA
149TH
No. 10458
October 10, 2016
REGISTERED PROFESSIONAL ARCHITECT

BDS INC. ENTITY # 25796D

BDS

ARCHITECTS

Architecture | Planning | Roof Technology

3330 C St, Suite 200
Anchorage, Ak 99503
T: 907.562.6076 | F: 907.562.6635
W: www.bdsak.com

ANCHORAGE, ALASKA
UAA PROFESSIONAL STUDIES BUILDING REROOF
UAA PROJECT NO.: 14-0040
BDS PROJECT NO.: 613002.013
PHASE
BID DOCUMENTS
DATE
OCTOBER 14, 2016
DRAWING TITLE
TITLE AND INFORMATION SHEET

A1