ALASKA NATIVE HERITAGE CENTER
ANHC SUBSISTENCE KITCHEN

35% DESIGN DOCUMENTS

OWNER

ALASKA NATIVE HERITAGE CENTER

8800 HERITAGE CENTER DR.

ANCHORAGE, AK 99504

907-330-8000

ARCHITECTURAL

GHD, INC.

701 WEST 8TH AVE, SUITE 430

ANCHORAGE, AK 99501

907-258-7777

CIVIL/ LANDSCAPE

THE BOUTET COMPANY INC.

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WASILLA, AK 99654

907-357-6770

STRUCTURAL

REID MIDDLETON

4300 B STREET, SUITE 302

ANCHORAGE, AK 99503

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MECHANICAL

RSA ENGINEERING INC.

670 W FIREWEED LN

ANCHORAGE, AK 99503

907-276-0521

ELECTRICAL

RSA ENGINEERING INC.

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ANCHORAGE, AK 99503

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KITCHEN DESIGN

CMA RESTAURANT SUPPLY AND DESIGN INC.

12811 NE 126TH PLACE

KIRKLAND, WA 98034

425-747-7223

GENERAL

Sheet Number	Sheet Name
G001	COVER SHEET

CIVIL

Sheet Number	Sheet Name
C0.1	LAYOUT MAP AND LEGEND
C0.2	SURVEY CONTROL SHEET
C1.0	EXISTING CONDITIONS AND DEMOLITION
C2.0	PROPOSED SITE PLAN
C3.0	GRADING PLAN
C4.0	SITE SECTIONS
C5.0	DETAILS
C6.0	WATER PIPING PLAN AND PROFILE
C6.1	WATER DETAILS
C6.2	ROOF DRAIN PLAN AND DETAILS

STRUCTURAL

Sheet Number	Sheet Name
S001	ABBREVIATIONS AND SYMBOLS
S002	GENERAL NOTES
S003	SPECIAL INSPECTIONS
S004	WIND UPLIFT MAP
S100	FOUNDATION PLAN
S101	FLOOR FRAMING PLAN
S102	ROOF FRAMING PLAN
S501	FOUNDATION DETAILS
S701	FRAMING DETAILS

ARCHITECTURE

Sheet Number	Sheet Name
A001	ABBREVIATIONS AND SYMBOLS LEGEND
A101	OVERALL FIRST FLOOR PLAN
A121	PARTIAL FLOOR PLANS
A141	PARTIAL ROOF PLANS
A201	ELEVATIONS
A301	SECTIONS

KITCHEN DESIGN

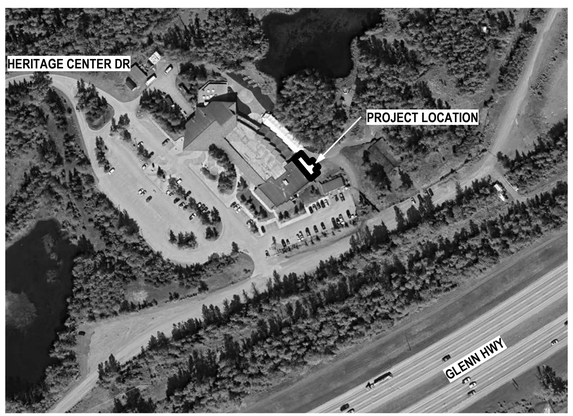
Sheet Number	Sheet Name
K1	EQUIPMENT FLOOR PLAN
K2	EQUIPMENT SCHEDULE

MECHANICAL

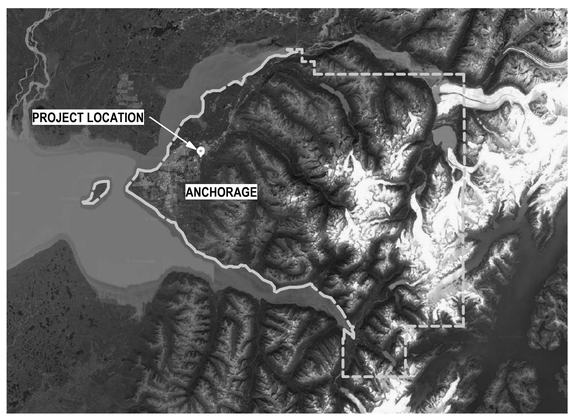
Sheet Number	Sheet Name
M001	MECHANICAL LEGEND AND ABBREVIATIONS
M002	MECHANICAL SCHEDULES
M003	MECHANICAL ROOF AND SITE
M101	ABOVE FLOOR PLUMBING DEMOLITION
M102	UNDERFLOOR HEATING DEMOLITION
M201	ABOVE FLOOR PLUMBING REMODEL
M202	KITCHEN UNDERFLOOR PLUMBING
M203	KITCHEN ABOVE FLOOR PLUMBING
M301	UNDERFLOOR HEATING REMODEL
M401	KITCHEN HVAC

ELECTRICAL

Sheet Number	Sheet Name
E001	ELECTRICAL LEGEND, FIXTURE SCHEDULE AND PARTIAL ONE-LINE
E002	ELECTRICAL REFERENCE PLAN
E101	PARTIAL ELECTRICAL DEMOLITION PLANS
E201	PARTIAL ELECTRICAL REMODEL PLANS
E202	ELECTRICAL KITCHEN EQUIPMENT SCHEDULE



AREA MAP



LOCATION MAP

GENERAL PROJECT NOTES:

1. THE CONTRACT DOCUMENTS FOR THIS PROJECT, TITLED ALASKA NATIVE HERITAGE CENTER SUBSISTENCE KITCHEN, DATED 2026.00.00, CONSIST OF THE 35% DESIGN DOCUMENTS. FOR THE PURPOSE OF THIS PROJECT, ALL INFORMATION HEREIN SHALL BE TREATED EQUALLY, WITHOUT HIERARCHY, AND/OR ORDER OF PRECEDENCE, UNLESS OTHERWISE NOTED.
2. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED FROM FURNISHED DRAWINGS AND NON-DESTRUCTIVE SITE OBSERVATIONS. DEVIATION FROM THESE CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION.
3. THE CONSTRUCTION DOCUMENTS HAVE BEEN PREPARED UTILIZING ELECTRONIC DRAFTING FORMATS OF BIM VERSION 2024. THE AVAILABILITY OF ELECTRONIC BASE FLOOR PLANS FOR USE BY THE GENERAL CONTRACTOR FOR THE USE ON THIS SPECIFIC PROJECT IS CONDITIONALLY GRANTED THROUGH PERMISSION OF THE ARCHITECT.
4. THESE CONSTRUCTION DOCUMENTS HAVE BEEN PRODUCED AT DRAWING SCALES THAT RELATE TO THEIR FULL-SIZE FORMAT 22"X34". DEVIATIONS TO THIS FORMAT SIZE WILL PRODUCE DRAWINGS OUTSIDE OF THE SCALE LIMITS INDICATED. DRAWING REPRODUCTIONS AT FORMAT SHOULD NOT BE SCALED FOR DIMENSIONAL ACCURACY. USE GRAPHIC SCALES ACCORDINGLY.
5. THE CONTRACTOR SHALL VERIFY ALL PROJECT-RELATED NEW AND/OR EXISTING CONDITIONS, INCLUDING DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT IN WRITING OF DISCREPANCIES AND/OR UNKNOWN CONDITIONS OBSERVED.
6. THIS PROJECT INVOLVES THE SELECTIVE DEMOLITION OF EXISTING FACILITIES. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL AS MANDATED IN THE DOCUMENTS. ALL DEMOLISHED MATERIALS WILL BECOME THE PROPERTY OF THE CONTRACTOR, AND DISPOSITION OF ALL SUCH MATERIALS ARE AT THE DISCRETION OF THE CONTRACTOR.
7. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING ALL WORK WITHIN THE LIMITS OF CONSTRUCTION. AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. ANY AREAS OUTSIDE THE LIMITS OF CONSTRUCTION THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE RETURNED TO ITS ORIGINAL STATE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT RELATED SAFETY MEASURES ON-SITE, DURING THE PROJECTS CONSTRUCTION PERIOD. NOTIFY THE GENERAL CONTRACTOR, AND/OR THE DESIGNATED "SAFETY OFFICER" AT ONCE SHOULD SAFETY RELATED CONCERNS BE OBSERVED ON-SITE.

PROJECT DESCRIPTION:

THE ANHC SUBSISTENCE KITCHEN IS AN APPROXIMATE 1,200 SF COMMERCIAL KITCHEN ADDITION ONTO THE EXISTING MABEL PIKE EDUCATION CENTER OF THE ALASKA NATIVE HERITAGE CENTER'S GATHERING HALL.

THE PROJECT SCOPE INCLUDES SITE IMPROVEMENTS, CONSTRUCTION OF FOUNDATIONS, SUPERSTRUCTURE, EXTERIOR ENVELOPE, MECHANICAL & ELECTRICAL BUILDING SYSTEMS, COMMERCIAL KITCHEN EQUIPMENT, AND ARCHITECTURAL FINISHES. ALSO INCLUDED IS MODIFICATIONS THE SPRINKLER SYSTEM. SOME MINOR WORK WILL OCCUR IN THE MABEL PIKE EDUCATION CENTER.

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35% CONSTRUCTION DOCUMENTS

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No.	Issue	Checked	Approved	Date

Author	D.SIOJO	Designer	B.KLUG
Drafting Check	B.KLUG	Design Check	B.KLUG
Project Manager	B. KLUG	Project Director	M.KLOUDA

Client: ALASKA NATIVE HERITAGE CENTER

Project: ANHC SUBSISTENCE KITCHEN

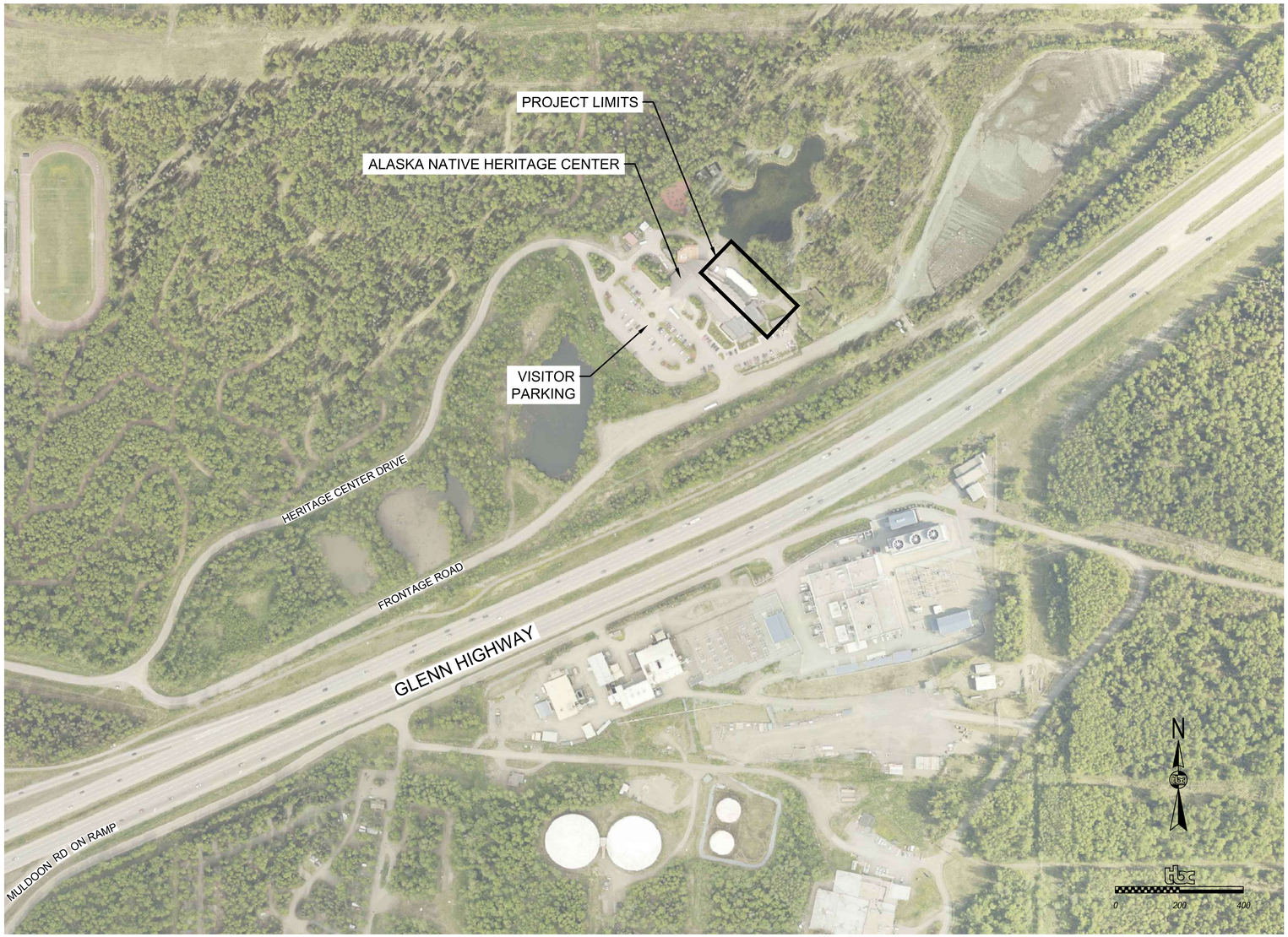
Date	Scale
05.01.2026	As indicated

Project No.: 12683140

Title: COVER SHEET

Size: ANSI D

Sheet No.: G001



1 / C0.1 LAYOUT PLAN

SCALE: 1"=200'

GENERAL CIVIL NOTES:

1. PRIOR TO CONSTRUCTION, LOCATE AND VERIFY THE HORIZONTAL AND VERTICAL SURVEY CONTROL TO ENSURE IT HAS NOT BEEN DESTROYED OR DISTURBED. IN THE EVENT THE CONTRACTOR IS UNABLE TO LOCATE AND VERIFY SURVEY CONTROL, THE CONTRACTOR SHALL NOTIFY THE OWNER TO REESTABLISH THE MISSING SURVEY CONTROL.
2. LOCATIONS OF ALL UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL OBTAIN UTILITY FIELD LOCATES PRIOR TO EXCAVATION AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE PROJECT AREA AND SHALL RECORD SAME ON RECORD DRAWINGS.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF MASS SPECIFICATIONS AND STANDARD DETAILS, UNLESS OTHERWISE SPECIFIED.
4. ACCESS TO THE PROJECT SITE SHALL BE LIMITED TO THE ROUTE AND AREAS SHOWN. PROVIDE CONTINUOUS EMERGENCY ACCESS THROUGH THE SITE TO ALL ANHC FACILITIES. VISITOR PARKING AREA IS NOT AVAILABLE FOR CONTRACTOR SITE.
5. PROVIDE TEMPORARY FENCING TO LIMIT PUBLIC ACCESS TO PROJECT SITE.
6. CONTRACTOR IS RESPONSIBLE FOR QUALITY CONTROL AND SHALL PROVIDE TESTING AS INDICATED IN MASS AND AS REQUIRED TO VERIFY THAT CONSTRUCTION.
7. ALL SCALES ARE GIVEN IN FEET, AND CORRELATE TO A FULL SIZE PLAN SET (22X34). HALF SIZE PLANS (11X17) REQUIRE USING A SCALING FACTOR OF 1"=2X'.

811 Know what's **below.** **Call** before you dig.

CIVIL ABBREVIATIONS & ACRONYMS

AC	ASPHALT PAVEMENT
ADA	AMERICAN WITH DISABILITIES ACT
ADEC	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AFD	ANCHORAGE FIRE DEPARTMENT
ANHC	ALASKA NATIVE HERITAGE CENTER
AWWU	ANCHORAGE WATER & WASTEWATER UTILITY
CL	CENTERLINE
CO	CLEANOUT
CPEP	CORRUGATED POLYETHYLENE PIPE
C&G	CURB AND GUTTER
DI	DUCTILE IRON
DIP	DI PIPE
E	EASTING, EAST
EG	EXISTING GROUND
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
F&I	FURNISH AND INSTALL
FF	FINISH FLOOR
FG	FINISHED GRADE
GALV	GALVANIZED
GB	GRADE BREAK
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
INT	INTERSECTION
L	LENGTH
LF	LINEAR FEET
LT	LEFT
MASS	MOA STANDARD SPECIFICATIONS
MAX	MAXIMUM
ME	MATCH EXISTING
MH	MANHOLE
MOA	MUNICIPALITY OF ANCHORAGE
N	NORHTING, NORTH
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
R	RADIUS
RP	RADIUS POINT
RPC	RED PLASTIC CAP
RT	RIGHT
S	SLOPE, SEWER, SOUTH
SD	STORM DRAIN
SS	STAINLESS STEEL, SANITARY SEWER
STA	STATION
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
TBC	TOP BACK OF CURB
TBD	TO BE DETERMINDED
TYP	TYPICAL
VB	VALVE BOX
W	WATER, WEST
WWF	WELDED WIRE FABRIC

LEGEND

- EDGE OF ASPHALT
- EDGE OF CONCRETE
- EDGE OF GRAVEL
- FENCE
- EXISTING TENT
- RD — RD — ROOF DRAIN LINE
- UE — UE — UNDERGROUND ELECTRIC
- C — UNDERGROUND COMMUNICATION
- FO — UNDERGROUND FIBER OPTIC
- EX WL — EX WL — EXISTING WATERLINE
- PROPOSED WATERLINE
- TREE/BRUSH CLEARING LIMITS
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED ASPHALT
- EXISTING ASPHALT
- PROPOSED CONCRETE
- EXISTING CONCRETE
- EXISTING GRAVEL

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No.	Issue	Checked	Approved	Date

Author	DS	Designer	BK
Drafting Check	BK	Design Check	Approver
Project Manager	B. KLUG	Project Director	

Client
ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

Date	Scale
Issue Date	

Project No.
12683140

Title
LAYOUT MAP AND LEGEND

C0.1

SURVEY CONTROL
IN PROGRESS
(PLACE HOLDER)

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Issue Date	

Project No.
12683140

Title
SURVEY CONTROL SHEET

C0.2

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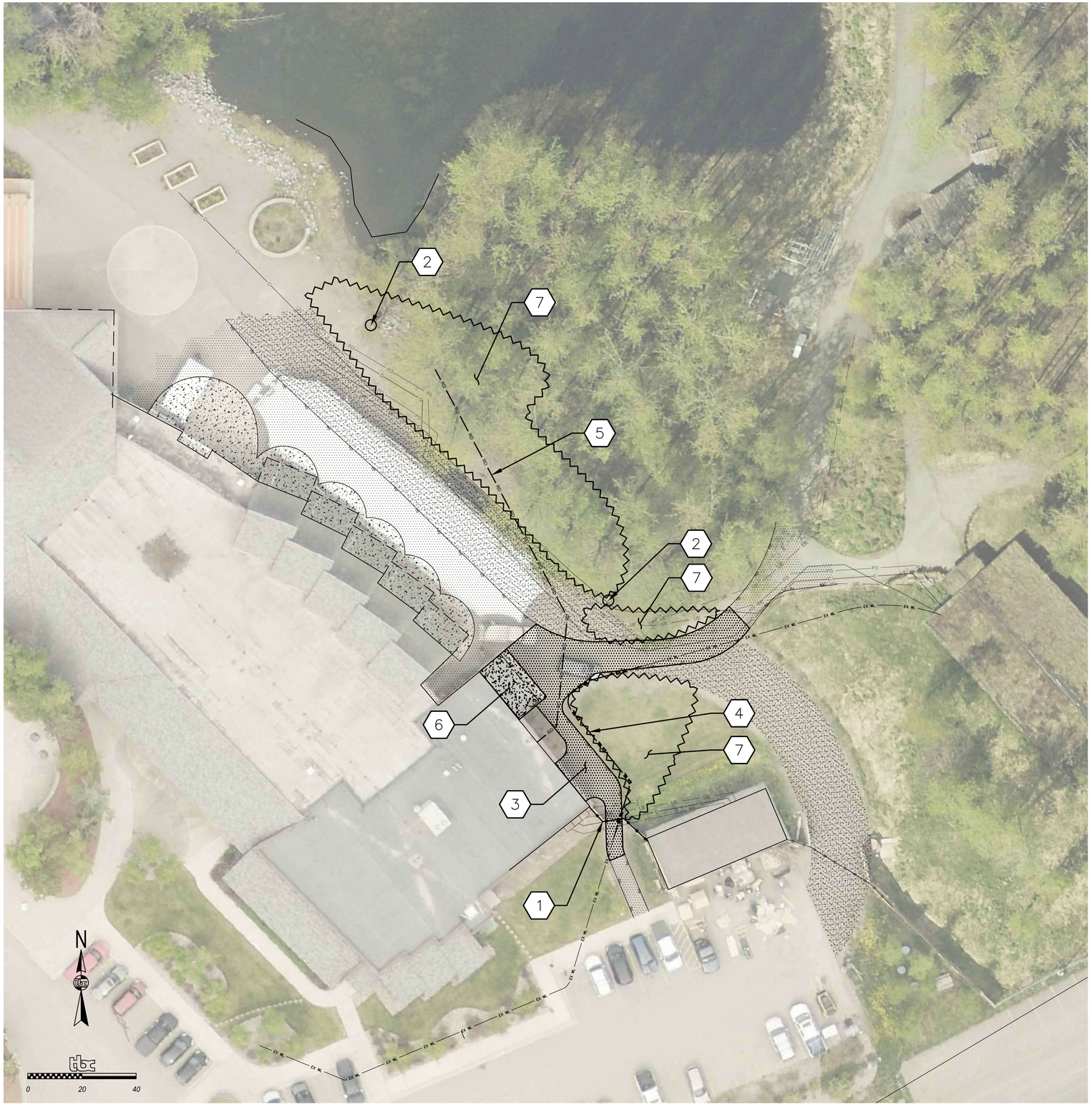

GENERAL CIVIL NOTES:

1. OWNER RESERVES THE RIGHT OF FIRST REFUSAL FOR SALVAGEABLE MATERIALS AND EQUIPMENT SCHEDULED FOR DEMOLITION. ALL REMOVED MATERIAL (INCLUDING EXCAVATION WASTE) WILL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFFSITE IN A LEGAL MANNER.
2. COORDINATE THE REMOVAL OF ANY PERSONAL PROPERTY LOCATED WITHIN THE PROJECT AREA WITH THEIR RESPECTIVE OWNERS.
3. REMOVAL OF DEBRIS, GARBAGE, AND OTHER MATERIAL NOT SHOWN ON THE PLAN IS INCIDENTAL TO THE WORK.
4. EXISTING DRIVEWAYS, ROADS, AND WALKWAYS SHALL BE MAINTAINED IN USEABLE CONDITION WHENEVER SCHOOL IS IN SESSION. MAINTAIN OFFSITE HAUL ROADS, AND REPAIR DAMAGED ROADS TO THEIR ORIGINAL STATE. MAINTENANCE OF OFFSITE HAUL ROADS IS INCIDENTAL.
5. COORDINATE LIMITS OF CLEARING AND DEMOLITION WITH PROPOSED SITE PLAN, SEE C2.0. FLAG CLEARING LIMITS AND SCHEDULE AN INSPECTION WITH THE OWNER PRIOR TO ANY CLEARING ACTIVITIES.
6. ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN MAY BE PRESENT. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO EXCAVATION.

SHEET NOTES:

1. REMOVE FENCE
2. RELOCATE SIGN. SALVAGE POST & FOUNDATION IF PRACTICABLE. DAMAGED OR OTHERWISE COMPROMISED POSTS/FOUNDATIONS SHALL BE DISPOSED OF.
3. REMOVE ASPHALT OR PCC PAVEMENT
4. REMOVE WATER PIPE
5. REMOVE CPEP STORM DRAIN PIPE (ROOF DRAIN)
6. REMOVE BUILDING AWNING & POSTS
7. CLEAR & GRUB EXISTING VEGETATION AS REQUIRED

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Project Manager	B. KLUG	Project Director	

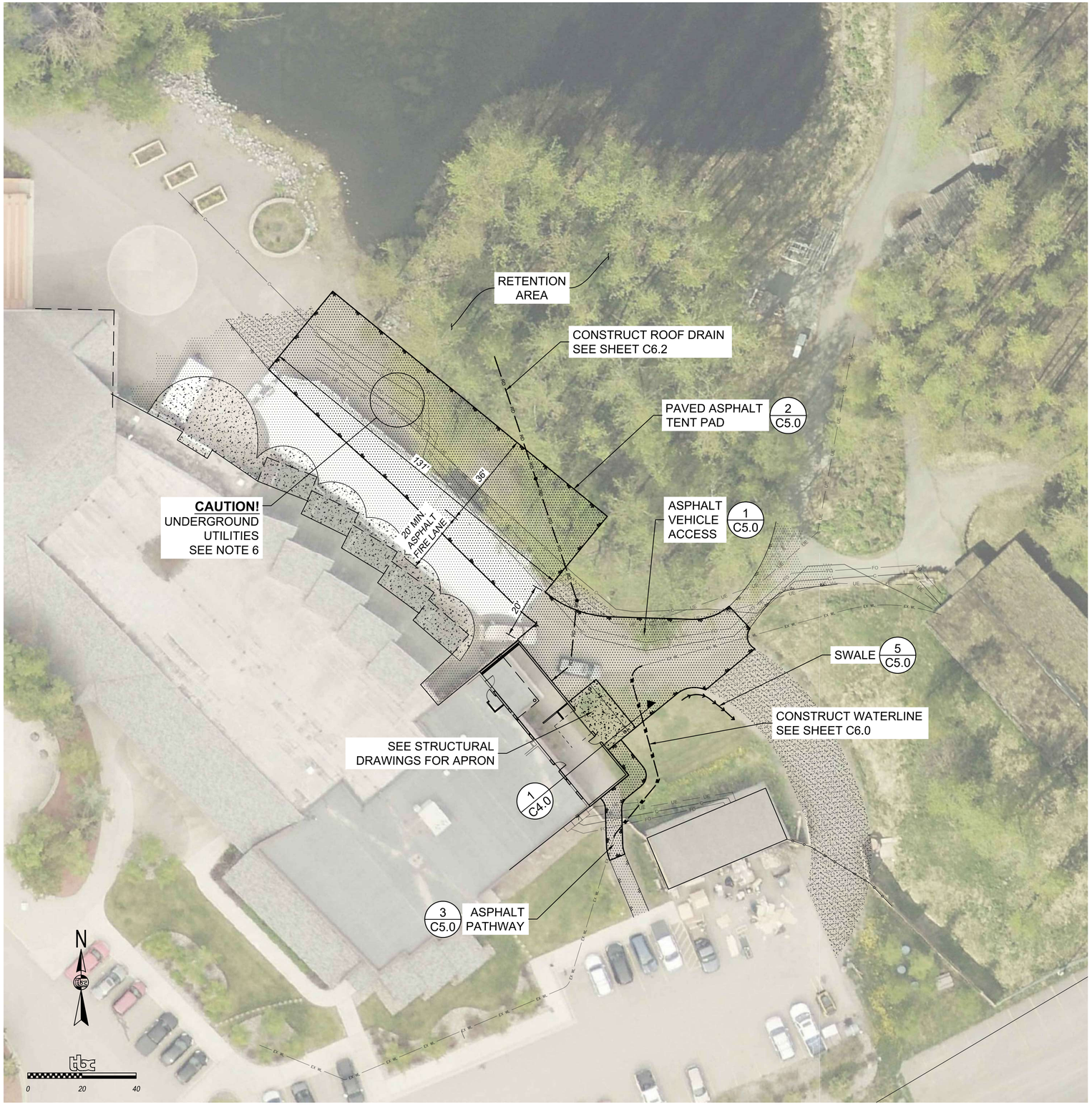
Client
ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

Date: **Issue Date**
Scale:
Project No.: **12683140**

Title
EXISTING CONDITIONS AND DEMOLITION

C1.0



GENERAL NOTES:

1. CONTRACTOR SHALL DISPOSE OF ALL EXCAVATION OF WASTE MATERIAL OFFSITE UNLESS OTHERWISE DIRECTED BY OWNER.
2. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE FINAL LOCATION OF ALL RELOCATED BUILDING AND STRUCTURES.
3. STAKE FENCING AND GATE LOCATIONS FOR CONFIRMATION BY THE OWNER, PRIOR TO CONSTRUCTION.
4. COORDINATE OPEN TRENCH CONSTRUCTION SCHEDULE WITH THE OWNER, AND PROVIDE TEMPORARY ACCESS TO THE FACILITIES DURING CONSTRUCTION, AS DIRECTED BY THE OWNER.
5. EXISTING DRIVEWAYS, ROADS, AND WALKWAYS SHALL BE MAINTAINED IN USEABLE CONDITION DURING CONSTRUCTION. MAINTAIN OFF SITE HAUL ROADS, AND REPAIR DAMAGED ROADS TO THEIR ORIGINAL STATE, MAINTENANCE OF OFFSITE HAUL ROADS IS INCIDENTAL.
6. ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN MAY BE PRESENT. CONTRACTOR SHALL OBTAIN UTILITY LOCATES AND FIELD VERIFY LOCATION PRIOR TO EXCAVATION. CONTRACTOR SHALL ASBUILT ALL PIPING INSTALLED, INCLUDING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES ENCOUNTERED.
7. IN PREPARATION TO AND IMMEDIATELY PRIOR TO PAVING, THE CONTRACTOR SHALL SAW CUT AND REMOVE AN ADDITIONAL 12" FROM THE EXISTING PAVEMENT EDGE. THE OWNER'S REPRESENTATIVE MAY REQUIRE ADDITIONAL PAVEMENT REMOVAL IF THE EXISTING PAVEMENT IS IN POOR CONDITION, OR HAS OTHERWISE BEEN DAMAGED BY CONSTRUCTION ACTIVITIES.
8. CONTRACTOR SHALL CONDUCT INFILTRATION TESTING IN ACCORDANCE WITH THE MUNICIPALITY OF ANCHORAGE STORMWATER MANUAL VOL I, APPENDIX G. TESTING SHALL BE PERFORMED BY A QUALIFIED ENGINEER OR GEOLOGIST PRIOR TO CONSTRUCTION OF THE ROOF DRAIN LINE. NOTIFY THE ENGINEER IMMEDIATELY IF THE TESTS DO NOT SATISFY THE MINIMUM INFILTRATION RATE OF 0.3 IN/HR. THE ENGINEER MAY REQUEST ADDITIONAL INFILTRATION TESTING AT NO COST.

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Project Manager	B. KLUG	Project Director	

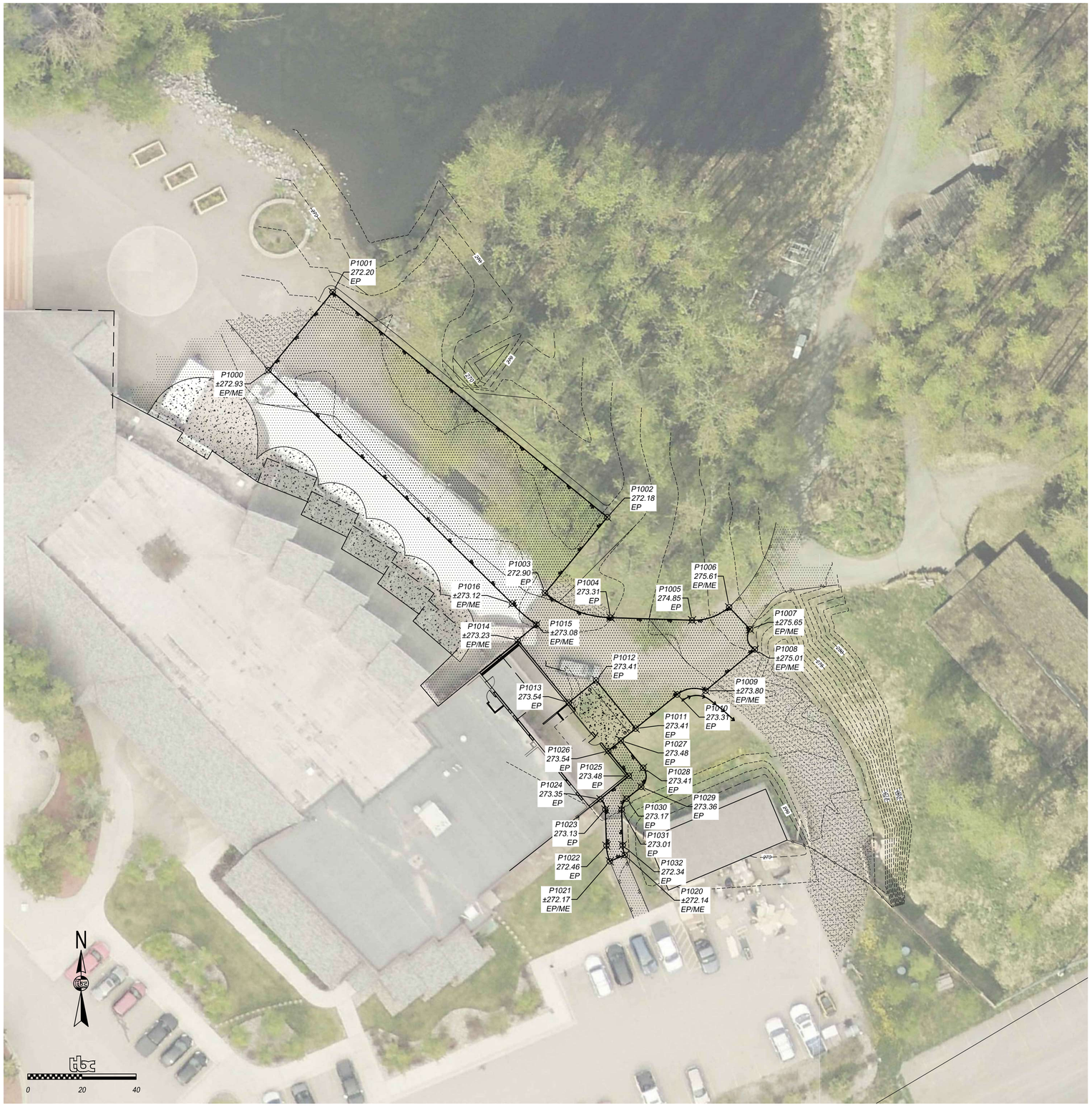
Client
ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

Date: **Issue Date**
Scale:
Project No.: **12683140**

Title
PROPOSED SITE PLAN

C2.0



GRADING NOTES:

1. ELEVATIONS SHOWN ARE FINISH GRADE.
2. CONSTRUCT DRAINAGE DITCHES OR SWALES AS REQUIRED TO MAINTAIN A DRAINAGE PATTERN AWAY FROM STRUCTURES. FOR UNPAVED SURFACES, PROVIDE 5% SLOPE FOR A MINIMUM OF 10 FEET AWAY FROM ALL BUILDINGS UNLESS OTHERWISE SHOWN. FOR PAVED SURFACES, PROVIDE 2% SLOPE FOR A MINIMUM OF 10 FEET AWAY FROM ALL BUILDINGS UNLESS OTHERWISE SHOWN.
3. UNLESS OTHERWISE INDICATED, ALL PATHWAYS SHALL BE CONSTRUCTED AS ACCESSIBLE DESIGN (ADA, U.S. DEPARTMENT OF JUSTICE). SLOPES SHALL NOT EXCEED 2% ACROSS OR 5% IN THE TRAVELED DIRECTION.
4. COMPACTION SHALL BE 95% OF MAXIMUM DENSITY UNLESS OTHERWISE SPECIFIED. LIFTS NOT TO EXCEED 1 FT IN UNCOMPRESSED DEPTH.
5. FERTILIZE AND SEED ALL DISTURBED AREAS.
6. UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY.

Point Table				
Pt #	Elev.	Northing	Easting	Desc
1000	272.93	346109.9769	378086.4969	EP/ME
1001	272.20	346138.8012	378110.1243	EP
1002	272.18	346055.7547	378211.4371	EP
1003	272.90	346027.7715	378188.4992	EP
1004	273.31	346018.6906	378212.6565	EP
1005	274.85	346017.7555	378242.7219	EP
1006	275.61	346022.5362	378256.3921	EP/ME
1007	275.65	346014.4035	378264.1222	EP/ME
1008	275.01	346006.9440	378265.8830	EP/ME
1009	273.80	345991.7297	378247.7075	EP/ME
1010	273.31	345990.3620	378237.2413	EP
1011	273.41	345977.7893	378221.8802	EP
1012	273.41	345995.5878	378207.3126	EP
1013	273.54	345987.3539	378197.2526	EP
1014	273.23	346010.3874	378178.4003	EP/ME
1015	273.08	346016.1677	378185.2905	EP/ME
1016	273.12	346023.8900	378176.3800	EP/ME
1020	272.14	345931.1478	378217.9093	EP/ME
1021	272.17	345928.8245	378212.3807	EP/ME
1022	272.46	345934.5640	378211.1302	EP
1023	273.13	345947.9249	378210.7303	EP
1024	273.35	345951.7473	378208.9428	EP
1025	273.48	345960.3015	378219.3943	EP
1026	273.54	345969.5555	378211.8202	EP
1027	273.48	345973.3557	378216.4632	EP
1028	273.41	345963.3279	378224.6707	EP
1029	273.36	345956.2918	378223.9683	EP
1030	273.17	345951.8698	378218.5656	EP
1031	273.01	345947.8497	378216.7347	EP
1032	272.34	345934.7256	378217.1307	EP

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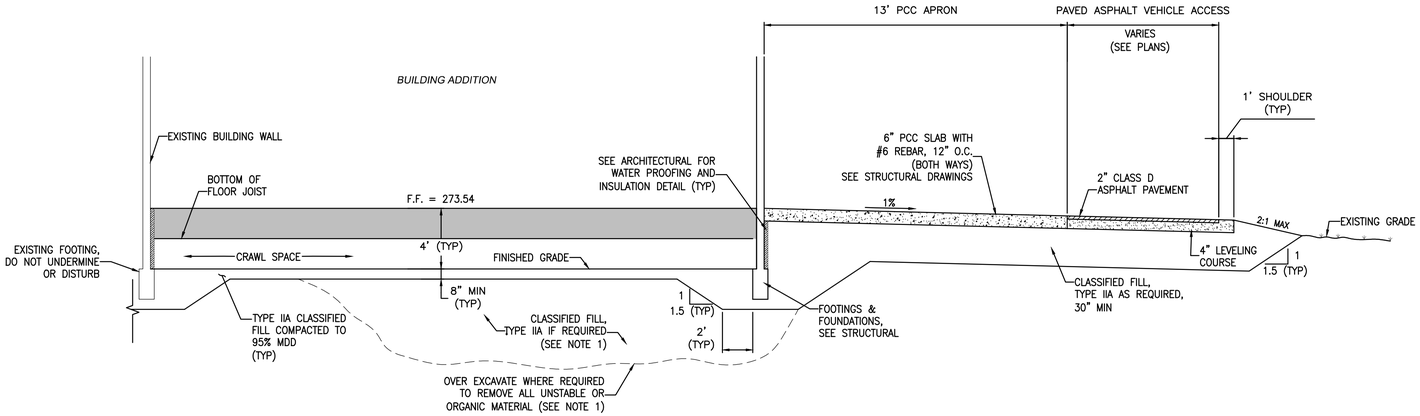
ANHC SUBSISTENCE KITCHEN

Date: **Issue Date**
Scale:
Project No.: **12683140**
Title: **GRADING PLAN**

C3.0



1 C4.0 SITE SECTION - SOUTHWEST/NORTHEAST

NTS

SECTION NOTES:

1. AFTER EXCAVATION TO PLAN DEPTH, PROOF ROLL BOTTOM OF EXCAVATION WITH HEAVY STATIC ROLLER. IF UNSTABLE MATERIALS ARE FOUND, REMOVE ALL ORGANIC SOIL AND INSTABLE SOILS FROM THE BOTTOM OF EXCAVATION. BACKFILL WITH CLASSIFIED FILL, TYPE II AS REQUIRED.
2. EXCAVATION SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTERISTICS. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS. PROVIDE SHORING AS REQUIRED FOR SAFETY.
3. COMPACTION OF MATERIALS SHALL BE 95% MAXIMUM DRY DENSITY WITH LIFTS NOT EXCEEDING 12 INCHES IN UNCOMPACTED DEPTH UNLESS OTHERWISE SPECIFIED.
4. UNCLASSIFIED FILL TO BE USED IN SELECT LANDSCAPED AREAS ONLY, AND AS DIRECTED BY THE ENGINEER. UNCLASSIFIED FILL SHALL NOT BE USED UNDER ANY BUILDINGS, ROADS, OR OTHER STRUCTURAL AREAS.
5. THE GEOTECHNICAL REPORT AND BORE LOGS ARE AVAILABLE UPON REQUEST. BORE SAMPLES TAKEN WITHIN THE EXISTING PARKING AREA INDICATE THAT THERE MAY BE SOME AMOUNT OF SALVAGEABLE FILL UNDER THE EXISTING PAVED AREAS. CONTRACTOR MAY RE-USE SUITABLE MATERIALS IF MATERIAL TESTING VERIFIES THAT SALVAGED MATERIALS CONFORM TO THE APPROPRIATE MATERIAL SPECIFICATIONS.

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No.	Issue	Checked	Approved	Date

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Drafting Check	**BK**	Design Check	**Approver**
Project Manager	**B. KLUG**	Project Director	

Client
ALASKA NATIVE HERITAGE CENTER

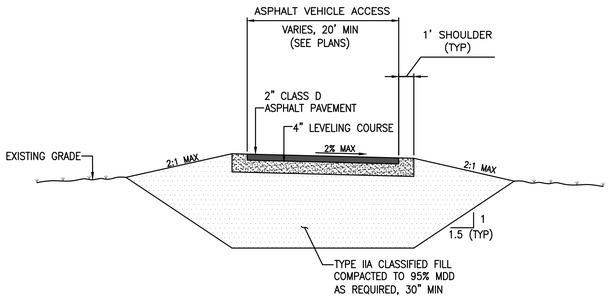
Project
ANHC SUBSISTENCE KITCHEN

Date	Scale
Issue Date	

Project No.
12683140

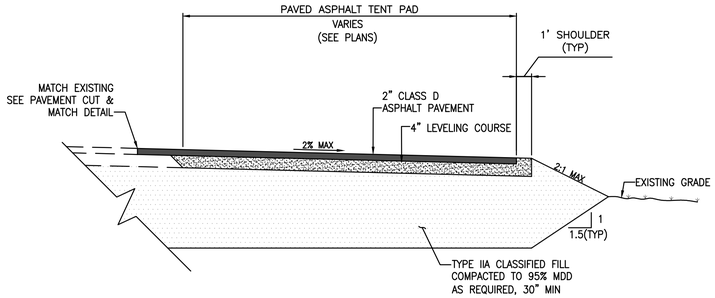
Title
SITE SECTIONS

C4.0



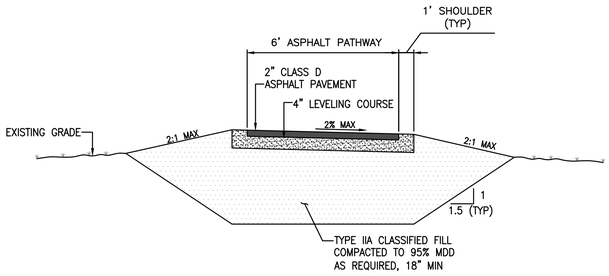
1 C5.0 ASPHALT VEHICLE ACCESS

NTS



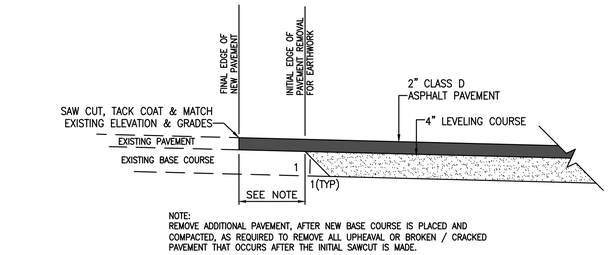
2 C5.0 PAVED ASPHALT TENT PAD

NTS



3 C5.0 ASPHALT PATHWAY

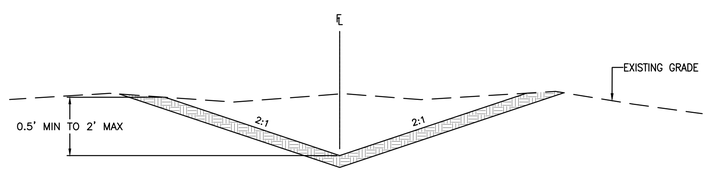
NTS



NOTE:
REMOVE ADDITIONAL PAVEMENT, AFTER NEW BASE COURSE IS PLACED AND COMPACTED, AS REQUIRED TO REMOVE ALL UPHEAVAL OR BROKEN / CRACKED PAVEMENT THAT OCCURS AFTER THE INITIAL SAWCUT IS MADE.

4 C5.0 PAVEMENT CUT & MATCH DETAIL

NTS



SWALE NOTES:

A. ADJUST DEPTH OF SPECIAL DITCH AS REQUIRED TO DRAIN.

B. WHEN CONSTRUCTING SPECIAL DITCH ALONG THE TRAIL, ADJUST FLOW LINE HORIZONTALLY TO TOE OF TRAIL SLOPE.

C. CONSTRUCT SPECIAL DITCH TO THE LINE AND GRADE AS SHOWN, OR AS DIRECTED BY THE ENGINEER.

5 C5.0 SWALE DETAIL

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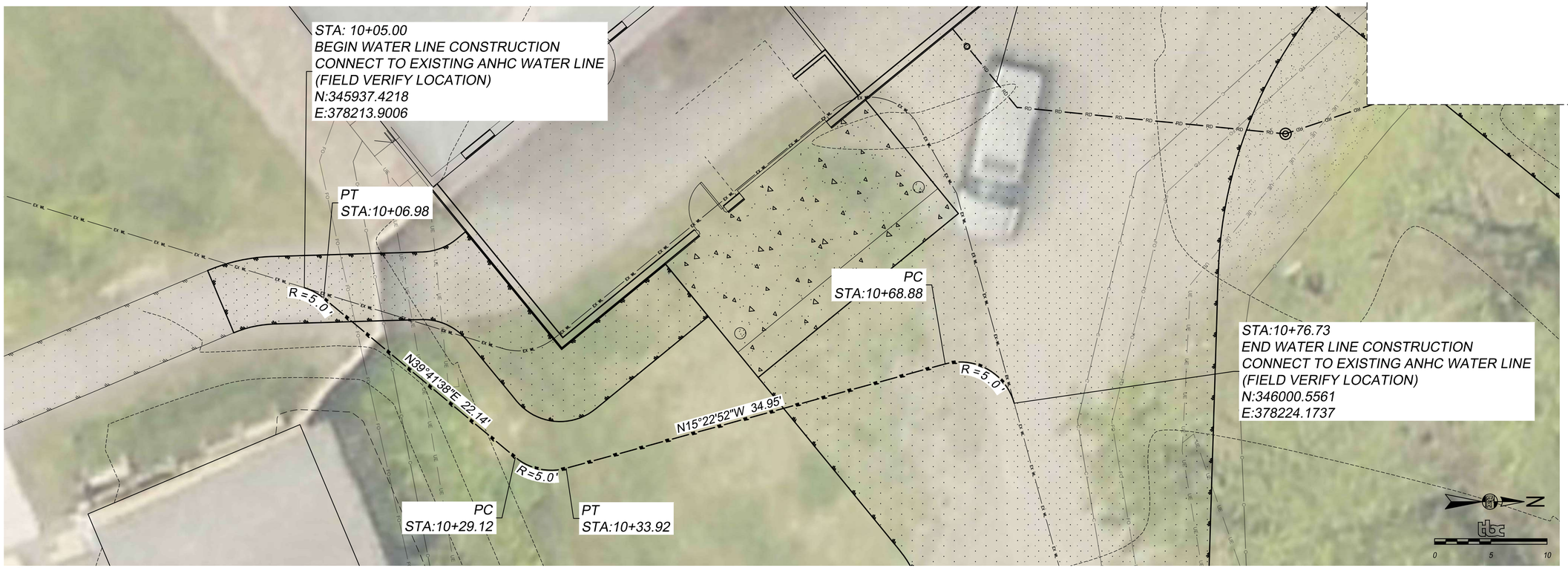
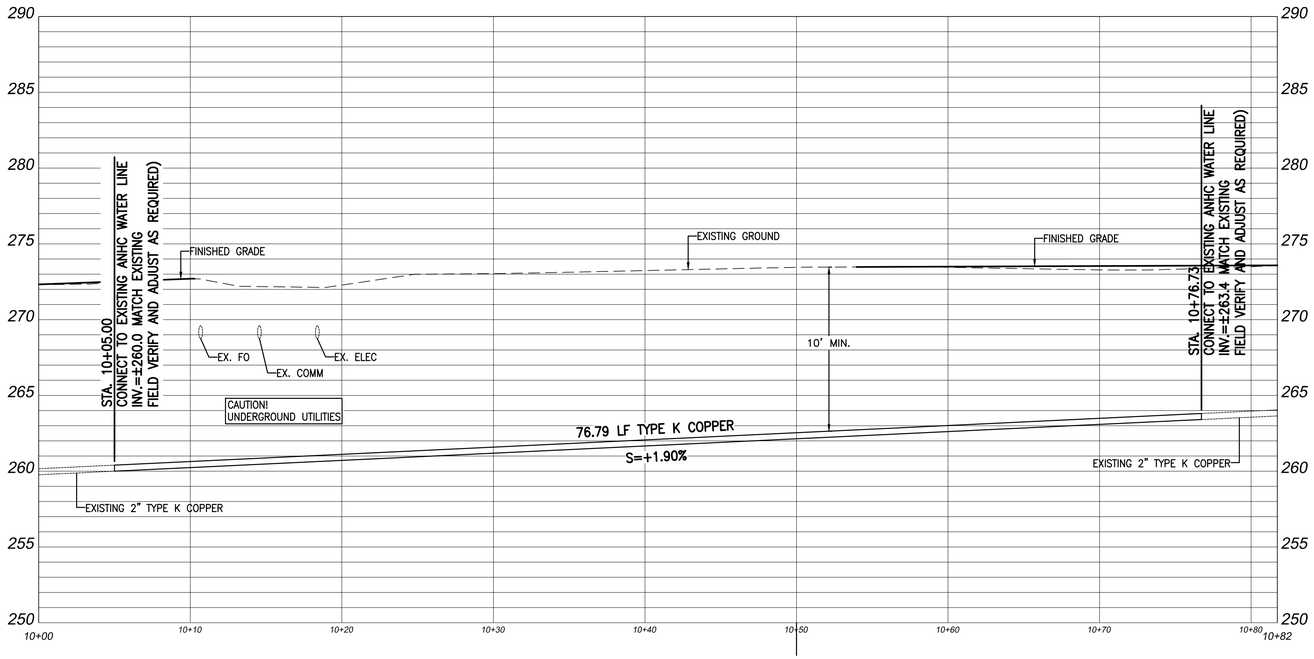
Title
DETAILS

C5.0



1 C6.0 WATER PIPING - PLAN

SCALE: 1"=5'



2 C6.0 WATER PIPING - PROFILE

SCALE: H: 1"=5' V: 1"=X'

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Project
ANHC SUBSISTENCE KITCHEN

Date: **Issue Date**
Scale:
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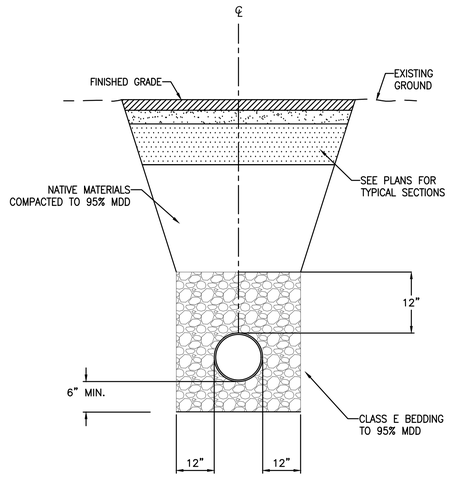
Title
WATER PIPING PLAN AND PROFILE

C6.0



NOTES:
1. TRENCH WALL SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTERISTICS. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS.
2. REMOVE ALL ORGANICS ENCOUNTERED DURING TRENCH EXCAVATION AND REPLACE WITH SUITABLE MATERIAL.

1 / C6.1 UTILITY TRENCH DETAIL

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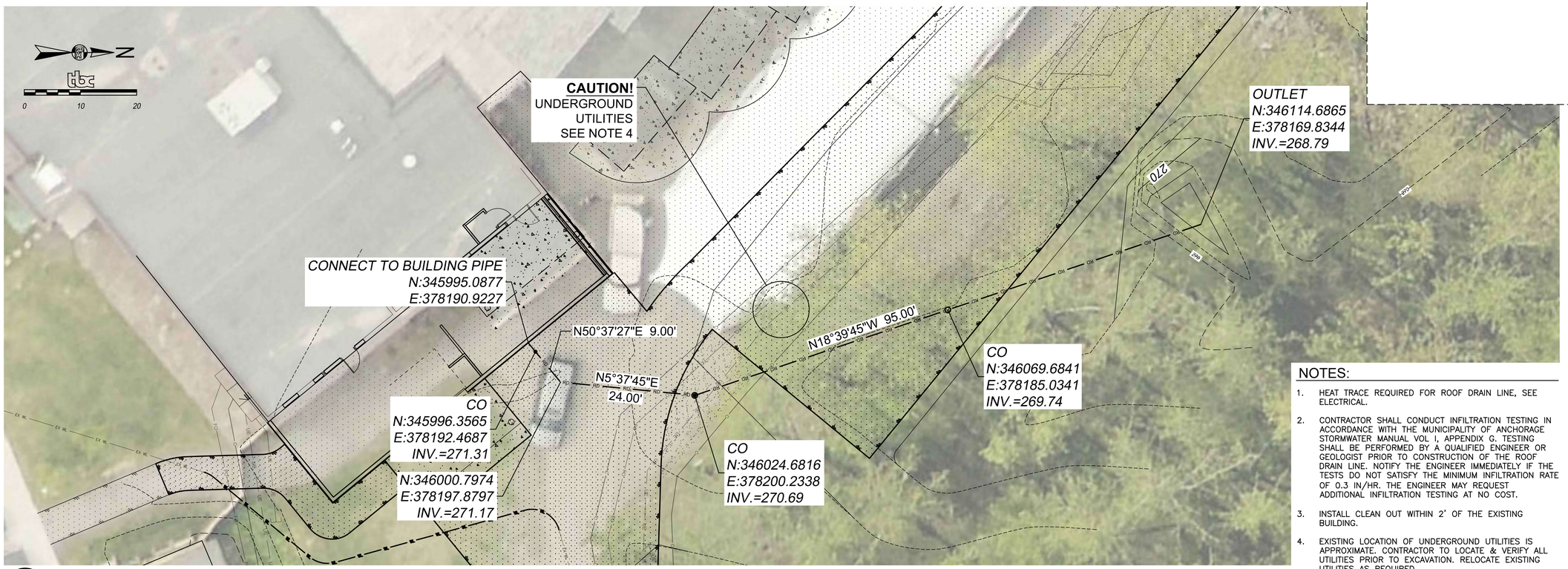
WATER DETAILS

C6.1

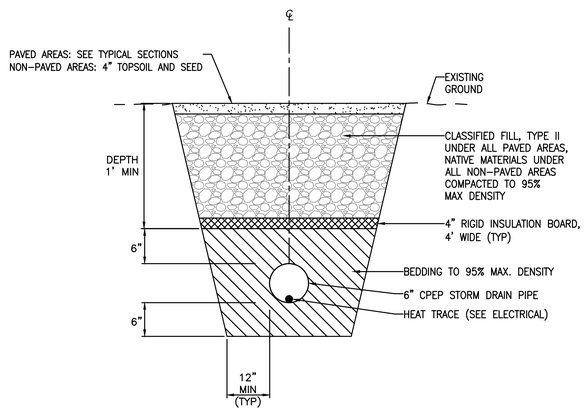


1 C6.2 ROOF DRAIN PLAN

SCALE: 1"=10'

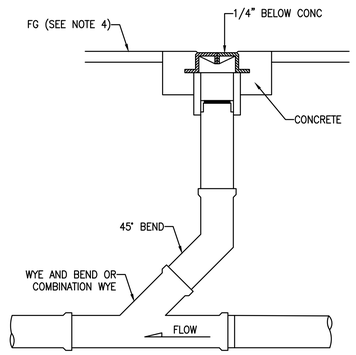
NOTES:

1. HEAT TRACE REQUIRED FOR ROOF DRAIN LINE, SEE ELECTRICAL.
2. CONTRACTOR SHALL CONDUCT INFILTRATION TESTING IN ACCORDANCE WITH THE MUNICIPALITY OF ANCHORAGE STORMWATER MANUAL VOL I, APPENDIX G. TESTING SHALL BE PERFORMED BY A QUALIFIED ENGINEER OR GEOLOGIST PRIOR TO CONSTRUCTION OF THE ROOF DRAIN LINE. NOTIFY THE ENGINEER IMMEDIATELY IF THE TESTS DO NOT SATISFY THE MINIMUM INFILTRATION RATE OF 0.3 IN/HR. THE ENGINEER MAY REQUEST ADDITIONAL INFILTRATION TESTING AT NO COST.
3. INSTALL CLEAN OUT WITHIN 2' OF THE EXISTING BUILDING.
4. EXISTING LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE. CONTRACTOR TO LOCATE & VERIFY ALL UTILITIES PRIOR TO EXCAVATION. RELOCATE EXISTING UTILITIES AS REQUIRED.



1 C6.2 ROOF DRAIN TRENCH DETAIL

NTS



NOTES:
1. CLEANOUT RING & COVER SHALL BE 1154 ATLAS FOUNDRY & MACHINE CO, OR EQUAL APPROVED BY ENGINEER.
2. CLEANOUT TO MATCH SIZE OF MAIN PIPE.
3. WHERE CLEANOUT IS LOCATED AT A HORIZONTAL BEND. A HORIZONTAL WYE SHALL BE USED SO CLEANOUT IS ALIGNED WITH DOWNSTREAM SERVICE SEGMENT (SEE PLAN).
4. OMIT CONCRETE COLLAR AND BURY TOP OF CLEANOUT 6" BELOW FINISHED GRADE IN UNPAVED AREAS.

2 C6.2 ROOF DRAIN CLEAN OUT DETAIL

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Title
ROOF DRAIN PLAN AND DETAILS

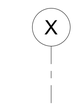
C6.2

STRUCTURAL ABBREVIATIONS

&	AND
@	AT
A&B	ABOVE & BELOW
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
ADJ	ADJACENT, ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR, ANCHORAGE
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATE
AR	ANCHOR ROD
ARCH	ARCHITECT, ARCHITECTURAL
ARND	AROUND
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/	BOTTOM OF
BAL	BALANCE
BF	BRACED FRAME
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BOD	BOTTOM OF DECK
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
BU	BUILT-UP
C	CAMBER, CHANNEL
CANT	CANTILEVER
CAP	CAPACITY
CC	CENTER-TO-CENTER
CDF	CONTROL DENSITY FILL
CF	COLD-FORMED
CG	CENTER OF GRAVITY
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT, CONSTRUCTION JOINT
CJP, CP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CP	COMPLETE PENETRATION
CRSI	CONCRETE REINFORCED STEEL INSTITUTE
CTR	CENTER, CENTERED
CY	CUBIC YARD
d	PENNYWEIGHT (NAILS)
DB	DIVIDER BEAM, DROPPED BEAM
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DBN	DIAPHRAGM BOUNDARY NAILING
DEG, °	DEGREE
DEMO	DEMOLISH, DEMOLITION
DF	DOUGLAS FIR
DFL	DOUGLAS FIR-LARCH
DIA, Ø	DIAMETER
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIM	DIMENSION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DP	DEEP
DTL	DETAIL
DWG	DRAWING
DWL	DOWEL
(E)	EXIST EXISTING
EA	EACH
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
EMB, EMBED	EMBEDMENT
ENGR	ENGINEER
EQ	EARTHQUAKE, EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
ETC	ET CETERA
E-W	EAST-WEST
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY
FF	FAR FACE, FINISH FLOOR
FIN	FINISH
FLR	FLOOR
FLG	FLANGE
FOW	FACE OF WALL
FS	FAR SIDE
FT, '	FEET
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BREAK
GEN	GENERAL
GL, GLULAM	GLUED LAMINATED MEMBER
GLB	GLUED LAMINATED BEAM
GR	GRADE
GRND	GROUND
GWB	GYPSUM WALL BOARD
HF	HEM-FIR
HGR	HANGER
HK	HOOK
HKP	HOUSEKEEPING PAD
HORIZ, H	HORIZONTAL
HP	HIGH POINT
HSB	HIGH STRENGTH BOLT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN, "	INCH
INCL	INCLUDE
INFO	INFORMATION
INT	INTERIOR
IJ	ISOLATION JOINT
JST	JOIST
JT	JOINT
K	KIP (1,000 LB)
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	LENGTH, ANGLE
LB, #	POUND
LF	LINEAL FOOT
LL	LIVE LOAD
LLBB	LONG LEGS BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION, LOCATE
LONGIT	LONGITUDINAL
LP	LOW POINT
LSH	LONG SLOTTED HOLE
LSL	LAMINATED STRAND LUMBER
LVL	LEVEL, OR LAMINATED VENEER LUMBER
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MF	MOMENT FRAME
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MPH	MILES PER HOUR
MTL	METAL
NF	NEAR FACE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NO, #	NUMBER
N-S	NORTH-SOUTH
NS	NEAR SIDE, NONSHRINK
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OSH	OVERSIZED HOLE
OWJ	OPEN WEB JOIST
PC	PIECE, PRECAST
PCF	POUNDS PER CUBIC FOOT
PEN	PENETRATION
PERP	PERPENDICULAR
PL	PLATE, PROPERTY LINE
PLCS	PLACES
PLF	POUNDS PER LINEAR FOOT
PLWD	PLYWOOD
PNL	PANEL
PJP, PP	PARTIAL JOINT PENETRATION
PREFAB	PREFABRICATED
PS	PRESTRESS
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	POINT, PRESSURE TREATED
P-T	POST-TENSIONED
PVC	POLYVINYL CHLORIDE
R	RAD RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCING
REM	REMAINDER
REQD	REQUIRED
RND	ROUND
RO	ROUGH OPENING
RTN	RETURN
SBN	SHEAR WALL BOUNDARY NAILING
SC	SLIP CRITICAL
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SOG	SLAB ON GRADE
SPC	SPACE, SPACED, SPACING
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SSH	SHORT SLOTTED HOLE
STAG	STAGGER, STAGGERED
STD	STANDARD
STIFF	STIFFENER
STIR	STIRRUP
STL	STEEL
STRUC	STRUCTURAL
SUPP	SUPPORT
SYM	SYMMETRICAL, SYMMETRY
SW	SHEAR WALL
T/	TOP OF
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TEMP	TEMPERATURE
THK	THICK, THICKNESS
THRU	THROUGH
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TR	THREADED ROD
TRANS	TRANSVERSE
TYP	TYPICAL
TWS	THREADED WELDED STUD
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
W	WIDTH, WIDE FLANGE
w/	WITH
WD	WOOD
WHS	WELDED HEADED STUD
W/O	WITHOUT
WP	WORK POINT
WT	WEIGHT
WWR	WELDED WIRE REINFORCEMENT

STRUCTURAL SYMBOLS

GENERAL SYMBOLS



GRID BUBBLE

GRID LINE



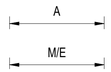
NORTH ARROW



SOIL



OPENING IN FLOOR OR WALL



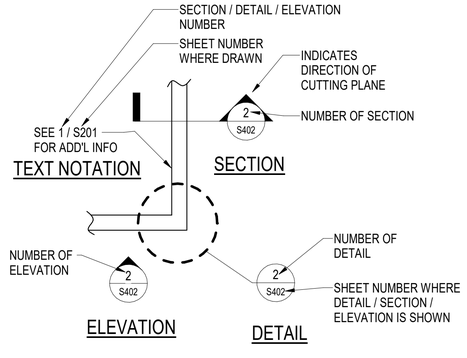
DIMENSION PER ARCHITECT

DIMENSION PER MECHANICAL OR ELECTRICAL

CONNECTORS

PLAN	SECTION	
		CONCRETE ANCHOR BOLT
		DRILL IN CONCRETE ANCHOR
		BOLT
		NAIL

DETAIL IDENTIFIERS



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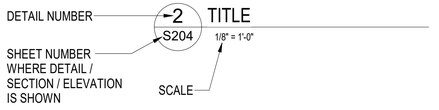

CONCRETE SYMBOLS

X'-X"	TOP OF SLAB RELATIVE TO DATUM
(X'-X")	TOP OF FOOTING RELATIVE TO DATUM
[X'-X"]	TOP OF WALL OR BEAM ELEVATION
	ELEVATION RELATIVE TO DATUM
	WORK POINT
	DIRECTION OF SPAN
	EXTENTS OF SPAN (IF APPLICABLE)
	SLOPE
	SURFACE - SLOPE UP
	SURFACE - SLOPE DOWN
	SURFACE - SLOPE TWO WAYS
X"	SURFACE - STEPPED
X"	SURFACE - STEPPED AND SLOPED
F1	FOOTING TYPE PER SCHEDULE
	CONCRETE WALL IN SECTION
	CONCRETE CURB/PARTIAL HEIGHT WALL
	CONCRETE WALL BELOW THIS LEVEL

STEEL SYMBOLS

	BEAM/GIRDER
	COLUMN
	STEEL IN CROSS SECTION

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GHD

Project
ANHC SUBSISTENCE KITCHEN

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Title
ABBREVIATIONS AND SYMBOLS

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GENERAL
THE CONTRACTOR MUST VERIFY AND COORDINATE ALL DIMENSIONS AMONG THE DRAWINGS BEFORE STARTING ANY WORK OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, 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 IBC AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE. RISK CATEGORY IS II IN ACCORDANCE WITH IBC SECTION 1604.5.

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2018 IBC AND 2018 IEBC AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE.

REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS, SLOPES, DEPRESSIONS, NON-BEARING WALLS, FIRE-PROOFING, FASCIA, CURBS, DRAINS, RAILINGS, WATERPROOFING, 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.

LIVE LOADS: 1ST FLOOR = 40 PSF (CLASSROOM)

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

WIND LOADS: BASIC WIND SPEED (3-SECOND GUST, Vult)=145 MPH,
EXPOSURE B, INTERNAL PRESSURE GCpi=±0.55 PARTIALLY ENCLOSED

SEISMIC LOADS: SITE CLASS D, SEISMIC DESIGN CATEGORY D,
Ss=1.5, S1=0.683, Sds=1.0, Sd1=0.774, Ie=1.0, R=6.5 (LIGHT FRAMED WOOD SHEAR WALLS), Ωo=3.0., Cd=4.0, ρ=1.0, Cs=0.154, BASE SHEAR=8.0 KIPS

LATERAL ANALYSIS IS LINEAR STATIC. LATERAL FORCES ARE CARRIED BY FLEXIBLE ROOF AND DIAPHRAGM TO THE LIGHT FRAMED WOOD SHEAR WALLS. MOMENTS, SHEARS, AND ROTATIONAL FORCES ARE DELIVERED TO THE FOUNDATION BY THE LIGHT FRAMED WOOD SHEAR WALLS IN PROPORTION TO THEIR TRIBUTARY AREA.

FOUNDATIONS
FOUNDATIONS ARE DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 4,000 PSF UNDER SUSTAINED LOADING AND 5,300 PSF UNDER SHORT TERM LOADING.

FOUNDATION SOILS MUST BE PREPARED IN ACCORDANCE WITH THE IBC AND THE PROJECT GEOTECHNICAL INVESTIGATION REPORT "GEOTECHNICAL SERVICES – ALASKA NATIVE HERITAGE CENTER MABEL PIKE EDUCATION CENTER ADDITION" DATED MAY 5TH, 2014, BY GOLDER ASSOCIATES.

WARM FOOTINGS MUST BE FOUNDED AT LEAST 42-INCHES BELOW LOWEST ADJACENT EXTERIOR FINISHED GRADE. FOOTING DEPTHS AND ELEVATIONS SHOWN ARE MINIMUM AND FOR GUIDANCE ONLY; CONTRACTOR MUST ESTABLISH ACTUAL ELEVATIONS IN FIELD.

ALL ORGANIC, FROZEN, OR OTHER UNSUITABLE MATERIALS MUST BE REMOVED FROM SUB-GRADE AND REPLACED WITH COMPACTED GRANULAR NON-FROST SUSCEPTIBLE (NFS) FILL. ALL FOOTINGS MUST BE FOUNDED UPON UNDISTURBED, NATURAL SUB-GRADE OR COMPACTED NFS FILL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 3,000 PSF.

SUB-GRADES BENEATH FOOTINGS AND SLABS MUST BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS MEASURED BY ASTM D1557. BACKFILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS MUST BE COMPACTED TO A MINIMUM OF 90 PERCENT OF MAXIMUM DRY DENSITY.

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 PER CHAPTER 17 OF THE IBC. SEE STATEMENT OF SPECIAL INSPECTIONS ON SHEET S0.3. COPIES OF INSPECTION REPORTS MUST BE AVAILABLE TO THE CONSTRUCTION SITE FOR REVIEW BY THE MOA BUILDING SAFETY PERSONNEL.

DEFERRED SUBMITTALS
THE FOLLOWING ITEMS ARE NOT INCLUDED IN THESE DRAWINGS AND REQUIRE STRUCTURAL DESIGN TO BE FURNISHED BY THE CONTRACTOR:

1. SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT
2. ROOFING AND WALL CLADDING ATTACHMENTS
3. CARCASS RAIL SYSTEM

DRAWINGS AND CALCULATIONS FOR BUILDER-DESIGNED COMPONENTS, SEALED BY AN ALASKA STATE REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN, MUST BE SUBMITTED 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/CONSTRUCTION.

SUBMITTALS
THE CONTRACTOR MUST REVIEW, STAMP WITH THEIR APPROVAL, DATE AND SIGN ALL SHOP DRAWINGS AND SUBMITTALS REQUIRED BY THE CONTRACT DRAWINGS 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.

STRUCTURAL CONCRETE
ALL CONCRETE CONSTRUCTION MUST CONFORM TO ACI 301, STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE, AS MODIFIED BY IBC SECTION 1905 AND LOCAL ADOPTED AMENDMENTS.

ALL CAST-IN-PLACE CONCRETE:
1. EXPOSURE F2, S0, W0, C0 (ACI 318-14, 19.3.1.1)
2. MINIMUM 28-DAY COMPRESSIVE STRENGTH = 4,500 PSI
3. MAXIMUM AGGREGATE SIZE = 3/4"
4. MAXIMUM WATER-CEMENT RATIO = 0.45
5. MAXIMUM CHLORIDE ION CONTENT = 1.00%
6. TARGET AIR CONTENT = 6% (+/-1%), EXCEPT FOR TROWELED INTERIOR SLABS WHICH MUST NOT EXCEED 3% AIR CONTENT.

CONCRETE MUST BE PROPORTIONED TO ACHIEVE A WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER.

APPLICABLE ASTM STANDARDS:
PORTLAND CEMENT = ASTM C150
AGGREGATE = ASTM C33, NORMAL WEIGHT
WATER = ASTM C1602
WATER REDUCING ADMIXTURE = ASTM C494, TYPE A

CONCRETE PLACED DURING COLD WEATHER MUST CONFORM TO ACI 306. ALL COLD WEATHER CONCRETE AND CONCRETE EXPOSED TO WEATHER MUST CONTAIN AIR ENTRAINMENT PER ACI 318-14 TABLE 19.3.3.1.

THE FOLLOWING MINIMUM CONCRETE COVER MUST BE PROVIDED FOR REINFORCEMENT FOR CAST-IN-PLACE CONCRETE:

A. CONCRETE CAST AGAINST EARTH	3-INCHES
B. CONCRETE EXPOSED TO EARTH OR WEATHER	
#6 AND LARGER	2-INCHES
#5 AND SMALLER	1½-INCHES
C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER	3/4-INCH

ALL CONCRETE REINFORCING MUST BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 315, ACI 318, CRSI MSP-1 AND ACI SP-66. DOWELS MUST MATCH SIZE AND NUMBER OF MAIN REINFORCING.

TYPICAL REINFORCING BARS MUST BE ASTM A615, GRADE 60. LAP SPLICES MUST BE CLASS B LAPS PER ACI (63 X BAR DIAMETER). LAP SPLICES MAY ALSO ACCOMPLISHED USING MECHANICAL DEVICES THAT DEVELOP 125% OF THE STRENGTH OF THE REBAR.

CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING AND PLACEMENT MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. SUBMIT MIX DESIGNS FOR REVIEW PRIOR TO USE.

EMBEDDED ITEMS (CONDUIT AND SLEEVES) MUST NOT BE EMBEDDED IN OR PASS THROUGH CONCRETE WITHOUT APPROVAL. ALUMINUM ITEMS MUST NOT BE EMBEDDED IN CONCRETE. SUBMIT CONDUIT LAYOUT AND EMBEDDED ITEM PLANS FOR REVIEW PRIOR TO PLACING CONCRETE.

NON-SHRINK GROUT MUST BE NON-METALLIC, CONFORMING TO ASTM C1107.

POST-INSTALLED ANCHORS
INSTALLATION MUST CONFORM TO MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) AND REQUIREMENTS OF ICC-ES REPORT. ALL POST-INSTALLED ANCHORS MUST HAVE A CURRENT ICC-ES REPORT AND BE AUTHORIZED FOR USE IN SEISMIC DESIGN CATEGORY D. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHORS, UON. THREADED ROD MUST BE ASTM A307, UON (OR ISO898 CLASS 5.8), TENSILE STRENGTH OF 60 KSI MIN, AND GALVANIZED WHERE EXPOSED TO THE WEATHER.

HOLES MUST BE HAMMER DRILLED. EXISTING BASE MUST BE SCANNED PRIOR TO DRILLING HOLES. EXISTING REBAR LOCATIONS MUST BE MARKED, AND NEW ANCHOR LOCATIONS REVISED TO AVOID EXISTING REINFORCING. NO REINFORCING BARS MUST BE CUT TO INSTALL ANCHORS. ALL DEFECTIVE ANCHOR HOLES MUST BE GROUTED AND A NEW HOLE DRILLED A MINIMUM OF 3 BOLT DIAMETERS AWAY.

POST-INSTALLED ANCHORS CONTINUED
UNLESS OTHERWISE NOTED, ALL ADHESIVE ANCHORS ARE TO BE INSTALLED IN DRY CONDITIONS, WITH A SUBSTRATE TEMPERATURE OF 41°F TO 104°F.

ADHESIVE ANCHORS FOR THREADED ROD AND REBAR MUST BE ONE OF THE FOLLOWING (OR AN APPROVED EQUIVALENT):
CONCRETE:
-DEWALT "PURE110+" (ESR-3298)
-HILTI "HIT-HY 200 V3" (ESR-4868)
-EPCON "A7+" (ESR-3903)
-SIMPSON "SET-3G" (ESR-4057)
-HILTI "HIT-RE 500 V3" (ESR-3814), ALLOWABLE TEMPERATURE RANGE 23°F TO 104°F

STRUCTURAL STEEL
MATERIALS:

WIDE FLANGE SHAPES:	ASTM A992
STRUCTURAL STEEL TUBES (HSS):	ASTM A500, GRADE C
ALL OTHER SHAPES & PLATE:	ASTM A36
BOLTS, WASHERS & NUTS:	ASTM F3125, F436 & A563
HARDENED WASHERS:	ASTM F436
HEADED ANCHOR RODS:	ASTM F1554, GRADE 36

ALL DETAILING, FABRICATION AND ERECTIONS MUST CONFORM TO AISC SPECIFICATIONS AND CODES, LATEST EDITION. FABRICATOR MUST PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM, BE CERTIFIED BY THE MUNICIPALITY OF ANCHORAGE, OR SPECIAL INSPECTIONS AT THE CONTRACTOR'S EXPENSE, MUST BE PROVIDED IN THE FABRICATION SHOP.

UNLESS OTHERWISE NOTED, BEAMS SHALL BE SPACED EVENLY WITHIN THEIR BAYS.

ALL WELDING MUST BE DONE BY QUALIFIED WELDERS AND MUST CONFORM TO THE AWS D1.1 AND D1.8, LATEST EDITIONS. ALL WELDING ELECTRODES MUST BE PROPERLY CONDITIONED 70 KSI MINIMUM TENSILE STRENGTH, WITH DIFFUSED HYDROGEN LEVELS OF 16ml/100g (H16) OR LESS IN ACCORDANCE WITH AWS D1.8 AND A5.20.

WELDS NOT SPECIFIED MUST BE SHOP-PERFORMED CONTINUOUS OR ALL-AROUND 3/16" FILLET WELDS.

THERE MUST BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

ALL STEEL MUST BE CLEANED BY METHODS COMPLYING WITH THE STEEL STRUCTURES PAINTING COUNCIL METHOD SSPC-SP3, POWER TOOL CLEANING. REMOVE OIL, GREASE, AND SIMILAR CONTAMINANTS. EXCEPT FOR MEMBERS TO BE WELDED, APPLY STRUCTURAL STEEL PRIMER PAINT IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS TO A UNIFORM DRY FILM THICKNESS OF 2.0 MILS. AFTER FINAL STEEL INSTALLATION, WIRE BRUSH EXPOSED STEEL SURFACES AND CLEAN WITH SOLVENTS BEFORE TOUCH-UP PAINTING. TOUCH-UP PAINT MUST BE THE SAME AS SHOP PAINT. STRUCTURAL STEEL TO RECEIVE SPRAY-APPLIED FIRE-PROOFING MAY BE SUPPLIED AS BARE STEEL.

STEEL EXPOSED TO WEATHER OR INDICATED AS GALVANIZED MUST BE HOT-DIP GALVANIZED PER ASTM A123. TOUCH-UP AND REPAIR GALVANIZATION MUST CONFORM TO ASTM A780. FASTENERS MUST COMPLY WITH ASTM A153.

THE CONTRACTOR MUST SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. THESE DRAWINGS MUST BE CHECKED BY THE CONTRACTOR BEFORE SUBMITTAL AND MUST SHOW SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS, AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL. ALSO SUBMIT WELDERS' QUALIFICATIONS.

STRUCTURAL TIMBER
MATERIALS:

DIMENSIONAL LUMBER:	HEM-FIR NO. 2 OR BETTER
GLUE-LAMINATED TIMBER:	DF/DF, 24F-V4 FOR SIMPLE SPANS APPEARANCE: INDUSTRIAL GRADE WHERE HIDDEN BY FINISHES, ARCHITECTURAL GRADE WHERE EXPOSED TO VIEW
WOOD SCREWS:	SPAX POWERLAG (1/4" TO 1/2" DIAMETER) OR SIMPSON SDW TRUSS-PLY (#12 ONLY) OR SIMPSON SDWF (#8 AND #10) OR EQUAL, QUALIFIED TO EITHER ICC-ES AC233 OR ANSI B1.1 AND B18.6.1
FLOOR SHEATHING:	APA RATED SHEATHING, EXPOSURE 1, SPAN RATED 48/24, 23/32 PERFORMANCE CATEGORY (NOMINAL THICKNESS: 3/4-INCH)
ROOF SHEATHING:	APA RATED SHEATHING, EXPOSURE 1, SPAN RATED 48/24, 23/32 PERFORMANCE CATEGORY (NOMINAL THICKNESS: 3/4-INCH)
WALL SHEATHING:	APA RATED SHEATHING, EXPOSURE 1, SPAN RATED 32/16, 15/32 PERFORMANCE CATEGORY (NOMINAL THICKNESS: 1/2-INCH)

SHEATHING MUST BE USED IN ACCORDANCE WITH THE RECOMMENDATIONS OF APA, THE ENGINEERED WOOD ASSOCIATION. PLACE NAILS 3/8-INCH FROM EDGE OF PANELS

INSTALL FLOOR AND ROOF SHEATHING WITH THE LONG DIMENSION ACROSS SUPPORTS. STAGGER ADJACENT PANELS 48-INCHES. ALLOW 1/8-INCH SPACING AT PANEL ENDS AND PANEL EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.

INSTALL WALL SHEATHING VERTICALLY OR HORIZONTALLY. ALLOW 1/8-INCH SPACING AT PANEL ENDS AND PANEL EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.

STRUCTURAL TIMBER CONTINUED
ROOF DIAPHRAGM MUST BE NAILED:
PANEL EDGES & WHERE NOTED AS DBN: 8d NAILS AT 6-INCHES ON-CENTER
INTERMEDIATE SUPPORTS: 8d @ 12-INCHES ON-CENTER
BLOCKING MUST BE 2x MIN, BUT MAY BE FLAT 2x BLOCKING.

THERE MUST BE NO FIELD CUTTING OF STRUCTURAL TIMBER MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR REVIEW OF THE ENGINEER.

ALL NAILS MUST BE COMMON WIRE SMOOTH SHANK NAILS, PER ASTM F1667, UNLESS NOTED OTHERWISE. OTHER NAILS PER ESR-1539 ARE ALLOWED WITH NUMBER OR SPACING ADJUSTMENTS. SUBMIT DEFERRED SUBMITTAL FOR ALTERNATE FASTENERS. NAILING MUST CONFORM TO TABLE 2304.10.1 OF THE IBC. MINIMUM NAIL DIMENSIONS ARE AS FOLLOWS:

NAIL SIZE	LENGTH	DIAMETER	HEAD DIAMETER
8d	2-1/2"	0.131"	0.281"

NAILS OR STAPLES MUST BE DRIVEN FLUSH; HEADS MUST NOT BE DRIVEN BEYOND TIMBER SURFACE. STANDARD ASTM A307 BOLTS MUST BE USED IN STD HOLES. WASHERS MUST BE USED UNDER ALL BOLT HEADS AND NUTS CONTACTING WOOD.

WALL STUDS MUST BE SPACED AT 16-INCHES OC, UON.

WOOD PLATES OR SILLS MUST BE AWW 2X DIMENSIONAL LUMBER BOLTED TO FOUNDATIONS WITH 5/8-INCH DIAMETER ASTM A307 GALV BOLTS. MINIMUM EMBEDMENT MUST BE 7-INCHES AND MAXIMUM SPACING MUST BE 4-FEET ON-CENTER.

SEE SCHEDULE FOR SILL PLATE AND SILL BOLT REQUIREMENTS AT SHEAR WALLS. SHEAR WALL ANCHOR BOLTS MUST HAVE 3 INCH X 3 INCH X 0.229 INCH THICK GALV PLATE WASHERS BETWEEN THE SILL PLATE AND THE NUT.

ALL AWW SHEATHING AND LUMBER MUST BE PRESSURE TREATED IN ACCORDANCE WITH AWPA U1 STANDARD:
CAT UC2 FOR INTERIOR CONST NOT IN CONTACT WITH GROUND
CAT UC3b FOR EXTERIOR CONST NOT IN CONTACT WITH GROUND

MEMBERS MORE THAN 8-INCHES ABOVE ADJACENT GRADE NEED NOT HAVE THIS SPECIAL PRESERVATIVE TREATMENT, UON. TIMBER FASTENERS USED TO FASTEN SILL PLATES MUST BE HOT-DIP GALVANIZED, STAINLESS STEEL, SILICON BRONZE OR COPPER.

ALLOW A GAP OF 1/4-INCH BETWEEN THE TOP OF NON-BEARING PARTITIONS AND JOISTS ABOVE. ALLOW THE JOISTS TO DEFLECT UNDER LIVE LOAD WITHOUT TOUCHING THE NON-BEARING PARTITION.

PRE-MANUFACTURED HARDWARE MUST BE SIMPSON OR APPROVED EQUAL. FASTENERS FOR METAL CONNECTORS MUST CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR THE HIGHEST CAPACITY AVAILABLE FOR EACH CONNECTOR, UNLESS OTHERWISE NOTED.

IF WALL SECTIONS ARE BUILT IN PANELS, WALL SHEATHING MAY END AT THE FACE OF A STUD. AN EQUAL STUD MUST BE PLACED AT THE END OF THE ADJACENT PANEL. THE TWO END STUDS MUST BE NAILED TOGETHER WITH 16d NAILS AT THE SAME SPACING AS IS REQUIRED FOR THE EDGE NAILING OF THE SHEATHING TO THE STUDS. ALTERNATE NAILING DIRECTION SO ONE-HALF OF NAILS PENETRATE EACH END STUD.

SHEAR WALL ACCEPTANCE
PER APA, IF LESS THAN 20% OF THE FASTENERS ON AN EDGE NAILED STUD ARE OVERDRIVEN LESS THAN 1/8-INCH, THEY MAY BE IGNORED. IF MORE THAN 20% OF THE FASTENERS ARE OVERDRIVEN BY MORE THAN 1/8-INCH ON EDGE NAILED STUD, ADD ONE NAIL FOR EVERY TWO THAT ARE OVERDRIVEN.

THE INTERIOR PANEL NAILING IS ACCEPTABLE AS-IS, EVEN IF 100% OF THE NAILING IS OVERDRIVEN.

WOOD I-JOISTS
WOOD I-JOIST SIZES AND SPACING BASED ON BOISE-CASCADE BCI 90-2.0DF SERIES. SUBMIT SHOP DRAWINGS FOR REVIEW.

IF ALTERNATE PRODUCT USED, PROVIDE MANUFACTURER LOAD TABLES, ICBO REPORTS, SHOP DRAWINGS AND CALCULATIONS TO ENGINEER FOR APPROVAL. SIZE FOR TOTAL DEAD LOAD OF 25 PSF. DEFLECTION UNDER TOTAL LOAD NOT TO EXCEED L/240 AND LIVE LOAD NOT TO EXCEED L/360 AS WELL AS OTHER DEFLECTION LIMITATIONS AS OUTLINED IN IBC TABLE 1604.3.

35% DESIGN DOCUMENTS

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Bar is one inch on original size sheet
0 1"

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SPECIAL INSPECTION & TESTING SCHEDULE

ITEM	C.I.	P.I.	REFERENCE STANDARD	REMARKS
PREFABRICATED ITEMS	X	X	IBC 1704.2.5	REQUIRED FOR STRUCTURAL, LOAD-BEARING, OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES UNLESS OTHERWISE APPROVED BY BUILDING OFFICIAL
SOILS			IBC 1705.6, TABLE 1705.6	
VERIFY: - MATERIAL BELOW FOUNDATIONS ARE ADEQUATE FOR BEARING CAPACITY - EXCAVATION DEPTH AND PROPER MATERIAL REACHED BY DEPTH - PRIOR TO COMPACTED FILL, OBSERVE SUBGRADE AND SITE PREPERATION		X		PRIOR TO REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL INSPECT AND APPROVE THE FOUNDATION EXCAVATIONS
VERIFY USE OF PROPER MATERIALS DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X			
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	T			ONLY IF TOTAL CONTROLLED FILL DEPTH IS MORE THAN 12-INCHES
CONCRETE:			ACI 318-14, 301-16, 302.1R-15, ACI 311.1R-07; ACI 311.4R-05; IBC 1705.3, TABLE 1705.3	NO CONCRETE SPECIAL INSPECTION REQUIRED FOR BUILDINGS 3-STORIES OR LESS FOR: -ISOLATED SPREAD FOOTINGS -CONTINUOUS FOOTINGS FOR LIGHT FRAME CONST -f'c USED FOR DESIGN DOES NOT EXCEED 2500 PSI -FOUNDATION WALLS -SLABS-ON-GRADE
REINFORCING MATERIALS AND PLACEMENT		X	ACI 318: Ch.20, 25.2, 25.3, 26.6.1-26.6.3	C.I. REQUIRED FOR SHEAR AND BOUNDARY REINFORCING LOCATIONS
INSPECTION OF FORMWORK FOR SHAPE, LOCATION & DIMENSIONS		X	ACI 318 26.11.2(b)	
ANCHOR RODS, EMBEDDED BOLTS & INSERTS		X	ACI 318 17.8.2; MOA LOCAL AMENDMENT 23.15.1905.1.2	PRIOR TO AND DURING CONCRETE PLACEMENT [; ANCHORS FOR LIGHT FRAMED CONSTRUCTION WITH 7-INCHES OR LESS OF EMBEDMENT MAY BE FIELD PLACED WHILE CONCRETE IS STILL PLASTIC]
USE OF REQUIRED MIX DESIGN		X	ACI 318: Ch.19, 26.4.3, 26.4.4; ACI 304R-00; IBC 1904.1, 1904.2	
CONCRETE SLUMP, AIR CONTENT, TEMPERATURE & PREPARATION OF STRENGTH TEST SPECIMENS	T		ASTM: C172, C31; ACI 318: 26.5, 26.12; ACI 311.5-04	PROVIDE TEST ONCE EVERY 150 CY, OR EACH 5,000 SQ-FT OF SLABS OR WALLS, BUT AT LEAST ONCE A DAY DURING PLACEMENT. SEE NOTE 4
CONCRETE PLACEMENT	X		ACI 318 26.5; ACI 304.2R-17	
CONCRETE CURING		X	ACI 318 26.5; ACI 308R-16	MAINTAIN PROPER TEMPERATURE AND CURING TECHNIQUE
PROTECTION OF CONCRETE DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)		X	ACI 318 26.5.4, 26.5.5; ACI 306R-16; ACI 305R-20	
IN-SITU CONCRETE STRENGTH FOR FORM REMOVAL		T	ACI 318 26.11.2	
POST-INSTALLED ANCHORS; VERIFY CERTIFICATION PRIOR TO INSTALLING HORIZONTAL OR INCLINED ADHESIVE ANCHORS	X (SEE NOTE)	X	ACI 318 17.8, 26.7.1(i); ICC-ES REPORT	PER MANUFACTURER REQUIREMENTS, INCLUDES THE DRILLING & CLEANING OUT OF THE HOLES & THE INSTALLATION OF THE ANCHORS. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED SHALL BE PERFORMED BY ACI/CRSI CERTIFIED PERSONNEL ONLY AND REQUIRE CONTINUOUS INSPECTION.
WELDING OF REINFORCING BARS:		X	ACI 318 26.6.4; AWS D1.4; IBC 1705.3.2	TO VERIFY WELDABILITY, CHEMICAL TESTS SHALL BE SUBMITTED AND REVIEWED FOR ANY REINFORCING BARS OTHER THAN A706 TO BE WELDED
GROUTING OF BASE PLATES	X			CONFIRM PROPER MIX, NO VOIDS, GROUT FULLY SUPPORTS BASE PLATE.
FLOOR FLATNESS, LEVELNESS	X		ACI 302.1R-15, ASTM E 1155	SLABS SHALL HAVE A FLOOR FLATNESS ≥ 28, FLOOR LEVELNESS ≥ 20; MEASUREMENTS SHOULD BE TAKEN WITHIN 24 HOURS AFTER PLACEMENT
WOOD:			2018 NDS; 2015 SDPWS; 2018 IBC: 1705.5, 1705.11.1, 1705.12.2	PER MOA POLICY S.01, NO WOOD SPECIAL INSPECTION REQUIRED IN THE MOA FOR CATEGORY I OR II BUILDINGS, 2-STORIES OR LESS IN HEIGHT, AND UNDER 6,000 SQ FT
GRADE STAMPS ON LUMBER & SHEATHING		X		INCLUDING ENG. LUMBER, I-JOISTS, PREFAB TRUSSES, ETC
DETAILS OF WOOD FRAMING		X		BLOCKING, CONNECTIONS, BRIDGING, BEARING, HANGERS
NAILING OF ALL SHEAR WALLS AND ROOF DIAPHRAGMS		X	IBC 1705.11.1	INCLUDING SIZE OF FRAMING AT PANEL EDGES. SEE NOTE 5 FOR EXCEPTIONS.
SIZES AND LOCATIONS OF ALL HOLDOWNS		X		
SIZES, LOCATIONS OF ALL STRAPS		X		
SIZES, SPACINGS OF SILL		X		
NAILING ALONG DRAG STRUTS		X		

SCHEDULE NOTES:

1. ITEMS MARKED WITH AN "X" REQUIRE INSPECTION BY A SPECIAL INSPECTOR, ITEMS INDICATED WITH A "T" REQUIRE THE SPECIAL INSPECTOR TO OBSERVE QUALITY CONTROL TESTING BY THE CONTRACTOR.
2. C.I. = CONTINUOUS SPECIAL INSPECTION DURING PROGRESS OF WORK.
3. P.I. = PERIODIC SPECIAL INSPECTION DURING PROGRESS OF WORK.
4. WHEN TOTAL QUANTITY OF A GIVEN CLASS OF CONCRETE IS LESS THAN 5 CY, STRENGTH TESTS ARE NOT REQUIRED.
5. SPECIAL INSPECTION NOT REQUIRED FOR SHEAR WALLS OR DIAPHRAGMS, INCLUDING BOLTING, HOLDOWNS AND OTHER FASTENINGS, WHEN SHEATHING IS ON ONE SIDE ONLY AND EDGE NAILING PATTERN IS AT 6-INCHES ON-CENTER.
6. NOT USED
7. NOT USED
8. NOT USED

STATEMENT OF SPECIAL INSPECTIONS
THE FOLLOWING STRUCTURAL SYSTEMS ARE PART OF THE DESIGNATED LATERAL FORCE RESISTING SYSTEMS IN THE BUILDING AND HENCE ARE SUBJECT TO THE REQUIREMENTS OF THIS STATEMENT OF SPECIAL INSPECTIONS AND THE STRUCTURAL SPECIAL INSPECTION AND TESTING SCHEDULE IN ACCORDANCE WITH IBC SECTION 1704.3.

- CONCRETE FOUNDATIONS
- WOOD DIAPHRAGMS
- WOOD SHEAR WALLS

SPECIAL INSPECTIONS AND TESTING
THE OWNER SHALL ENGAGE A SPECIAL INSPECTOR PER CHAPTER 17 OF THE IBC. SPECIAL INSPECTION AND TESTING OF THE DESIGNATED SEISMIC SYSTEMS AND OTHER BUILDING STRUCTURE COMPONENTS SHALL BE AS OUTLINED IN THE SPECIAL INSPECTIONS AND TESTING SCHEDULE. WHERE REQUIREMENTS OVERLAP, THE MORE STRINGENT IS TO BE USED.

SPECIAL INSPECTION IS NOT REQUIRED FOR COMPONENTS FABRICATED IN A SHOP APPROVED BY THE MUNICIPALITY OF ANCHORAGE TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. SPECIAL INSPECTION ON STEEL ELEMENTS THAT ARE PART OF THE LATERAL FORCE RESISTING SYSTEM MARKED WITH AN "O" SHALL BE OBSERVED ON A RANDOM DAILY BASIS PER AISC 341-16 J5.

DISTRIBUTION OF REPORTS
COPIES OF THE SPECIAL INSPECTION AND TEST REPORTS SHALL BE DISTRIBUTED TO THE MUNICIPALITY OF ANCHORAGE BUILDING SAFETY DIVISION, THE GENERAL CONTRACTOR, THE ENGINEER OF RECORD, AND THE ARCHITECT OF RECORD. REPORTS SHALL BE COMPLETED DAILY AND DISTRIBUTED ON A WEEKLY BASIS AND SHALL BE DISTRIBUTED BY THE MONDAY FOLLOWING THE WEEK IN WHICH THE INSPECTION OR TEST WAS COMPLETED. A COPY OF ALL SPECIAL INSPECTION REPORTS, DEFICIENCIES, AND CORRECTIVE ACTIONS SHALL BE MAINTAINED AT THE JOB SITE.

STRUCTURAL OBSERVATIONS
STRUCTURAL OBSERVATIONS ARE NOT REQUIRED FOR THIS PROJECT.

CONTRACTOR STATEMENT OF RESPONSIBILITY
CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE OWNER AND THE MOA, IN ACCORDANCE WITH IBC 1704.4. THE STATEMENT SHALL ACKNOWLEDGE AWARENESS OF THE SPECIAL REQUIREMENTS OF THE QUALITY ASSURANCE PLAN; ACKNOWLEDGE THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS; IDENTIFY PROCEDURES FOR EXERCISING CONTROL; THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS; AND IDENTIFY PERSONS THAT WILL EXERCISE CONTROL AND THEIR QUALIFICATIONS.

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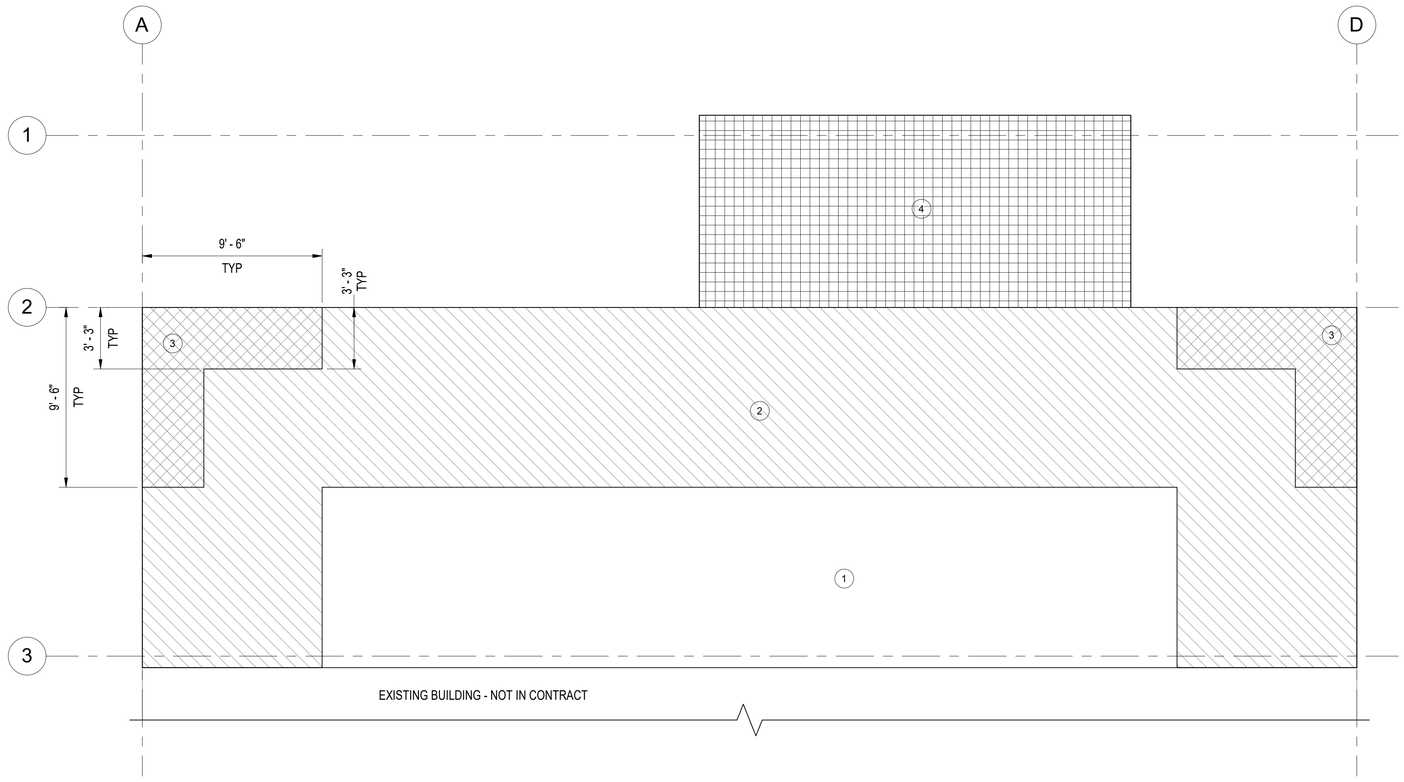

1 WIND UPLIFT MAP
S004 1/4" = 1'-0"

PLAN NORTH

0" 1" 3" 6"

1 MAINT INT

2 EDGE

3 CORNER

4 CANOPY

LEGEND

C&C WIND LOADS	
ZONE	EFFECTIVE WIND AREA = 10 SF
1 - MAIN INT	59 PSF
2 - EDGE	75 PSF
3 - CORNER	99 PSF
4 - CANOPY	30 PSF

NOTES:
1. THE WIND LOADS LISTED ABOVE ARE GROSS AND ARE TO BE USED WITH LOAD COMBINATIONS IN ASCE 7-16.
2. DEAD LOAD FOR JOISTS & TRUSSES RESISTING WIND UPLIFT SHALL BE 10 PSF.
3. THE DISTANCE "0.6h" AND "0.2h" ARE EQUAL TO 9'-6" AND 3'-3" AS SHOWN IN THE COMPONENTS & CLADDING FIGURES IN ASCE 7-16.

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Date
5/1/2026

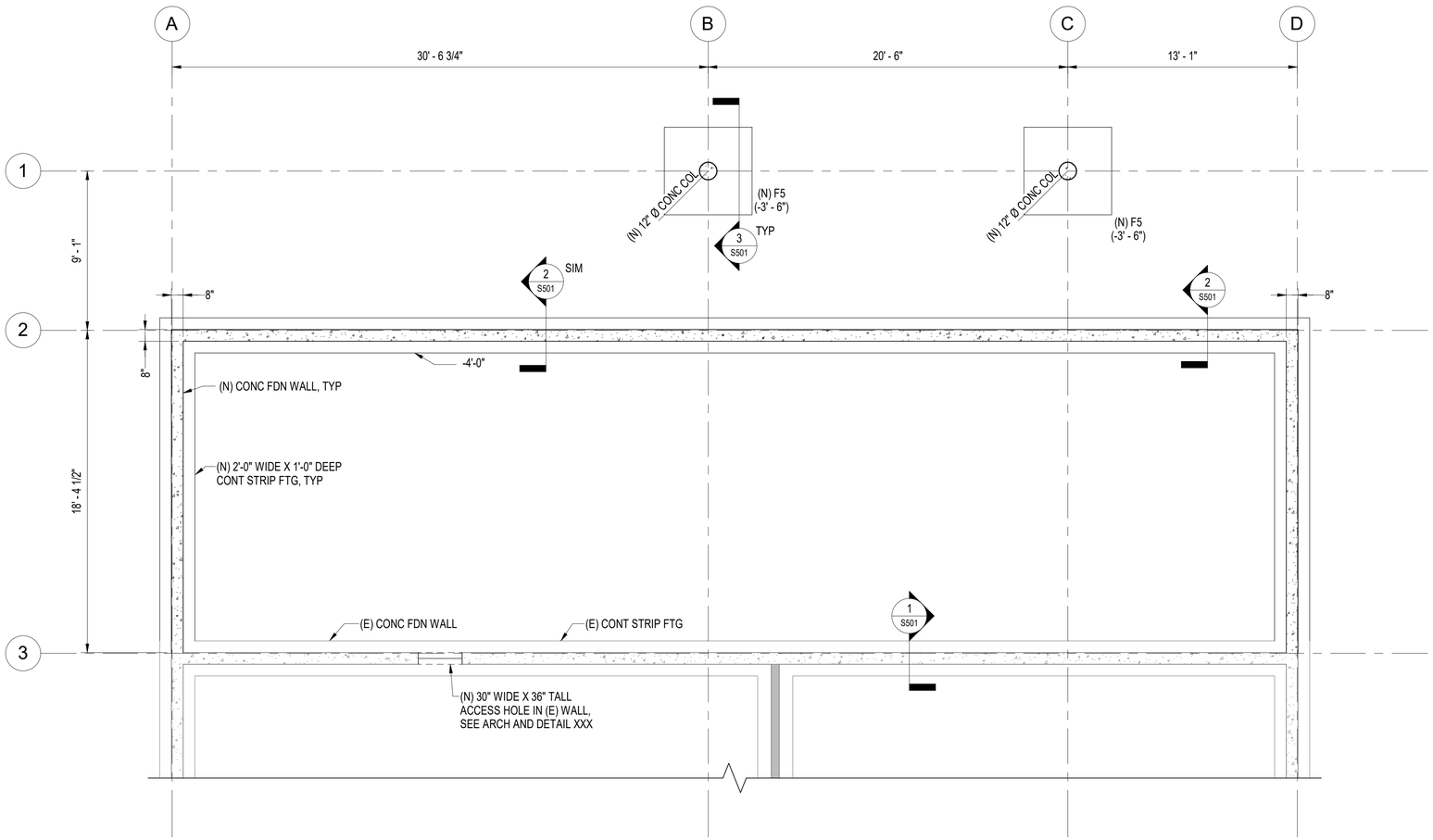
Scale
1/4" = 1'-0"

Project No.
12683140

Title
WIND UPLIFT MAP

Size
ANSI D

Sheet No.
S004



1 S100 FOUNDATION PLAN
1/4" = 1'-0"

PLAN NORTH

0' 2' 4' 8'

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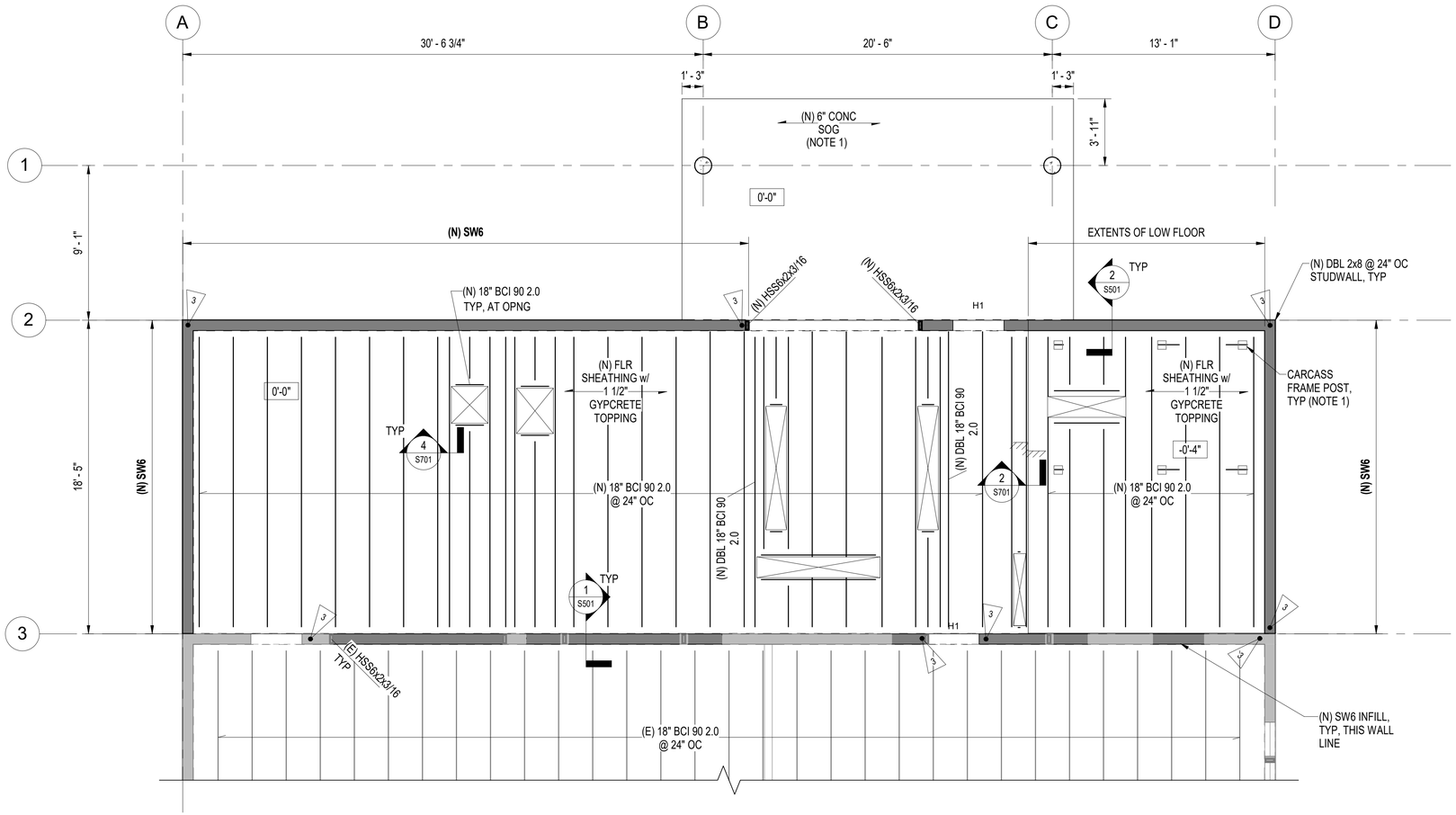
Date	Scale
5/1/2026	1/4" = 1'-0"

Project No.
12683140

Title
FOUNDATION PLAN

Size
ANSI D

Sheet No.
S100



NOTE:
1. REINFORCE w/ #6 AT 12" OC EACH WAY. TOP OF REINFORCING TO BE 2" BELOW TOP OF SLAB. SLOPE SLAB 1" TO NORTH.
2. PROVIDE BLKG AT FRAME POST, TYP. POSTS AND CONN PER MFR.

1 S101 FLOOR FRAMING PLAN

1/4" = 1'-0"

PLAN NORTH

0' 2' 4' 8'

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Project: **ANHC SUBSISTENCE KITCHEN**

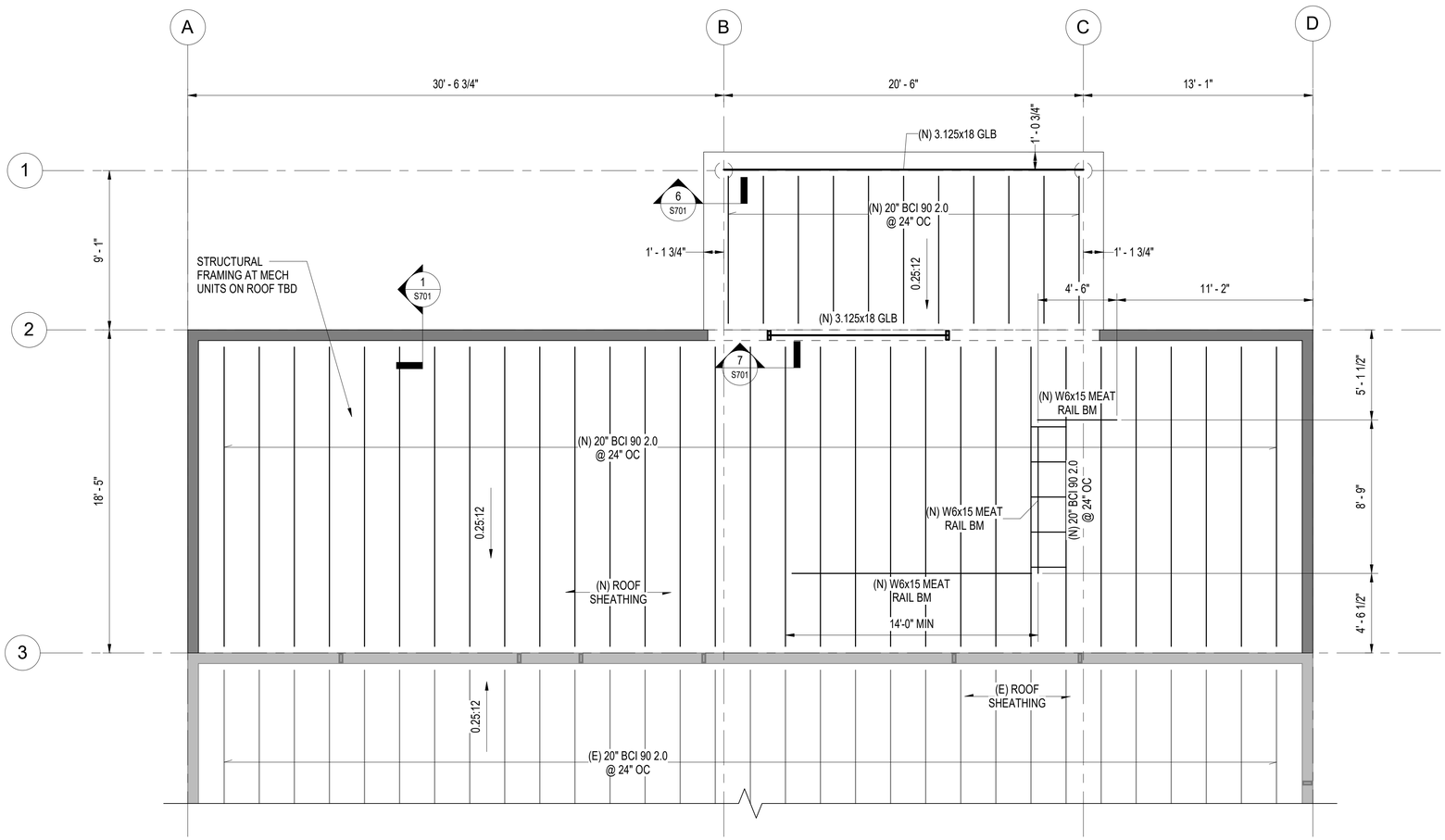
Date	Scale
5/1/2026	1/4" = 1'-0"

Project No.: **12683140**

Title: **FLOOR FRAMING PLAN**

Size: ANSI D

Sheet No.: **S101**



NOTE:
1. ELEVATION AT TOP OF (N) MEAT RAIL BEAM EQUAL TO BOTTOM OF (N) ROOF JOIST. SEE DETAILS.

1 S102 ROOF FRAMING PLAN
1/4" = 1'-0"

PLAN NORTH

0' 2' 4' 8'

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ANHC SUBSISTENCE KITCHEN

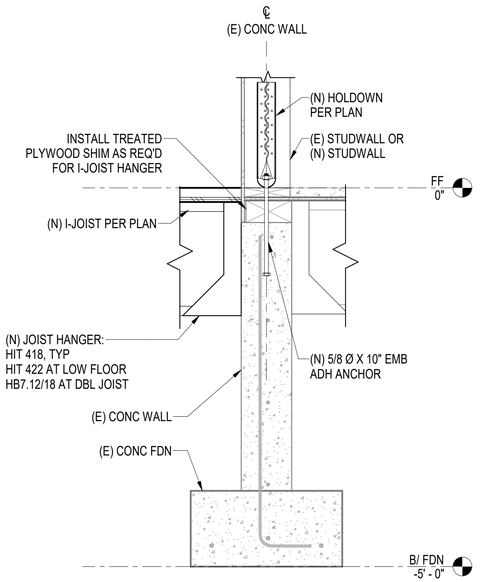
Date	Scale
5/1/2026	1/4" = 1'-0"

Project No.
12683140

Title
ROOF FRAMING PLAN

Size
ANSI D

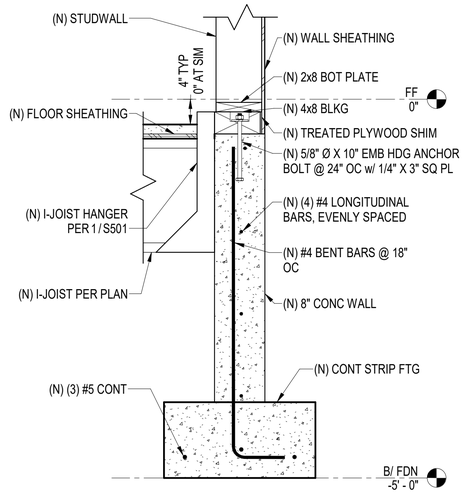
Sheet No.
S102



1 S501 (N) I-JOIST AT (E) CONC WALL

1" = 1'-0"

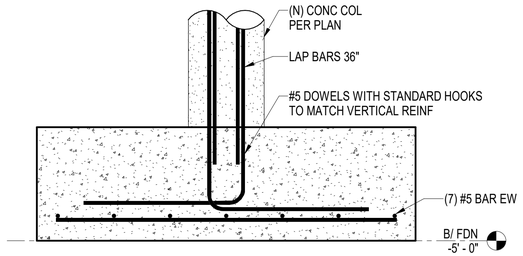
0" 6" 1' 2'



2 S501 (N) I-JOIST AT (N) CONC WALL

1" = 1'-0"

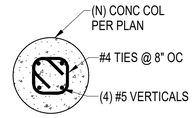
0" 6" 1' 2'



3 S501 (N) CANOPY COL FTG REINF

1" = 1'-0"

0" 6" 1' 2'



4 S501 (N) CANOPY COL REINF

1" = 1'-0"

0" 6" 1' 2'

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Client

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Project

ANHC SUBSISTENCE KITCHEN

Date	Scale
5/1/2026	1" = 1'-0"

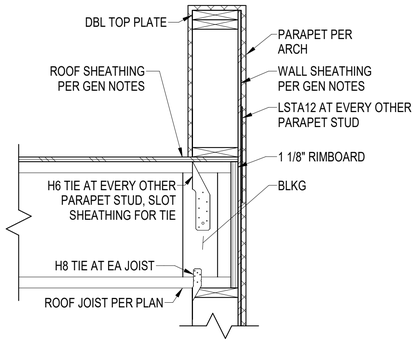
Project No.
12683140

Title

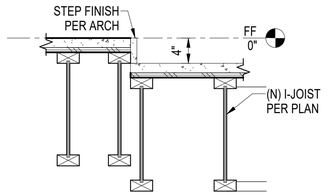
FOUNDATION DETAILS

Size
ANSI D

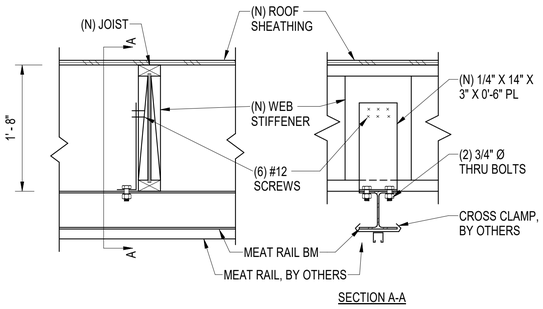
Sheet No.
S501



1 S701 TYP (N) PARAPET
1" = 1'-0"

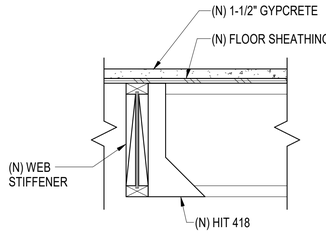


2 S701 FLOOR STEP FRAMING
1" = 1'-0"



SECTION A-A

3 S701 SECTION AT MEAT RAIL BEAM
1" = 1'-0"



4 S701 TYP (N) OPNG FRAMING
1" = 1'-0"



6 S701 (N) GLB TO (N) CONC COL AT (N) CANOPY
1" = 1'-0"

NOTE:
1. I-JOISTS, STUDS, AND SHEATHING NOT SHOWN.

7 S701 GLB BUCKET TO SIDE OF HSS COL
1 1/2" = 1'-0"

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Date: 5/1/2026
Scale: As indicated
Project No.: 12683140
Title: FRAMING DETAILS
Size: ANSI D
Sheet No.: S701

ARCHITECTURAL ABBREVIATIONS LEGEND

A

AB	ANCHOR BOLT
ABV	ABOVE
AC	ASPHALTIC CONCRETE
ACP	ACOUSTICAL CEILING PANEL
AD	AREA DRAIN
ADDL	ADDITIONAL
ADJ	ADJACENT
AFS	ABOVE FINISH SLAB
ALUM	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL

B

BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BOD	BOTTOM OF DECK
BOT F	BOTTOM FACE
BOT	BOTTOM
BPO	BUILDING PLANT OPERATOR
BRG	BEARING
BRKT	BRACKET
BTWN	BETWEEN
BUR	BUILT-UP ROOFING

C

CEM	CEMENT
CER	CERAMIC
CFCI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
CG	CORNER GUARD
CMPST	COMPOSITE
CI	CAST IRON
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUE/CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COP	COPPER
CORR	CORRIDOR
CPT	CARPET
CSK	COUNTERSINK
CT	CERAMIC TILE
CTR	CENTER
CUH	CABINET UNIT HEATER
CW	COLD WATER PIPING

D

D	DEEP/DEPTH
DBL	DOUBLE
DEG	DEGREE
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER

E

E	EAST
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EPB	ELECTRICAL PANEL BOARD
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
ES	EACH SIDE
EQ	EQUAL
EQUIP	EQUIPMENT
EXH	EXHAUST
EXP	EXPOSED
EXPN	EXPANSION
EXT	EXTERIOR
(E)	EXISTING

F

FA	FIRE ALARM
FAB	FABRICATE
FB	FLAT BAR
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDTN	FOUNDATION
FF	FINISH FLOOR
FF & E	FURNITURE, FIXTURES AND EQUIPMENT
FGL	FIBERGLASS
FH	FIRE HYDRANT
FIN	FINISH
FIN GR	FINISH GRADE
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FLR SK	FLOOR SINK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FIRE PROOF
FR	FRAME
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT
FT	FEET
FTG	FOOTING
FURG	FURRING
FUT	FUTURE

G

G	NATURAL GAS
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GL	GLASS/GLAZING
GLU LAM	GLUE LAMINATED WOOD
GPM	GALLONS PER MINUTE
GSB	GYPSUM SHEATHING BOARD
GTV	GATE VALVE
GWT	GLAZED WALL TILE
GYP	GYPSUM
GWB	GYPSUM WALL BOARD

H

H	HIGH
HB	HOSE BIBB
HCP	HANDICAPPED
HD	HEAD
HDBD	HARDBOARD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY

I

IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IEBC	INTERNATIONAL EXISTING BUILDING CODE
IFC	INTERNATIONAL FIRE CODE
IMC	INTERNATIONAL MECHANICAL CODE
INCL	INCLUDED
IMP	INSULATED METAL PANEL
IN	INCH
INFO	INFORMATION
INSUL	INSULATION/INSULATED
INT	INTERIOR
INV	INVERT
IRMA	INVERTED ROOFING MEMBRANE ASSEMBLY

J

J-BOX	JUNCTION BOX
JST	JOIST
JT	JOINT

K

KD	KNOCK DOWN
KIT	KITCHEN
KO	KNOCK-OUT
KW	KILOWATT
KWH	KILOWATT HOUR

L

L	LENGTH
LAB	LABORATORY
LB	POUND
LDG	LANDING
LF	LINEAR FOOT
LH	LEFT HAND
LLV	LONG LEG VERTICAL
LOC	LOCATION
LT	LIGHT
LVR	LOUVER

M

MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODULE
MP	METAL PANEL
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
MTG	MOUNTING
MULL	MULLION
MUN	MUNTIN
MW	MICROWAVE

N

NFS	NON-FROST SUSCEPTIBLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE

O

OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
ORD	OVERFLOW ROOF DRAIN
OH	OVER HANG
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OVHD	OVER HEAD

P

PA	PUBLIC ACCESS
PC	PIECE
PCC	PRECAST CONCRETE
PEND	PENDANT
PERIM	PERIMETER
PH	PENTHOUSE
PLAS	PLASTER
PLBG	PLUMBING
PL	PROPERTY LINE
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PROP	PROPERTY
PREFAB	PREFABRICATE
PSF	POUNDS PER SQUARE FOOT
PT	PAINT
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT

Q

QT	QUARRY TILE

R

R	RADIUS
RA	RETURN AIR
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED
REFL	REFLECTED
REG	REGISTER
REINF	REINFORCE
RECS	RECOMMENDATIONS
REQD	REQUIRED
RESIL	RESILIENT
REST	REST ROOM
REV	REVISION
RFG	ROOFING
RLG	RAILING
RH	RIGHT HAND
RND	ROUND
RM	ROOM
RO	ROUGH OPENING
RWL	RAIN WATER LEADER

S

SA	SUPPLY AIR
SAB	SOUND ATTENUATION BLANKET
SAP	SUSPENDED ACOUSTIC PANEL
SB	SPLASH BLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SCP	SCUPPER
SCR	SHOWER CURTAIN ROD
SCRN	SCREEN
SD	SMOKE DETECTOR
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SF	SQUARE FEET
SHT	SHEET
SHR	SHOWER
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SL	SLOPE
SLDG	SLIDING
SLNT	SEALANT
SM	SHEET METAL
SPC	SPACING
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ	SQUARE
SSD	SEE STRUCTURAL DRAWINGS
SST	STAINLESS STEEL
SMD	SEE MECHANICAL DRAWINGS
SMLS	SEAMLESS
SS	SOLID SURFACE
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STR	STRINGERS
STRUCT	STRUCTURAL
SURR	SURROUND
SUSP	SUSPENDED
SVCE	SERVICE
SW	SWITCH
SYMM	SYMMETRICAL
SYS	SYSTEM

T

T	TREAD
TBD	TO BE DETERMINED
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPERATURE
TER	TERRAZZO
T&G	TONGUE AND GROOVE
THRES	THRESHOLD
THRU	THROUGH
THK	THICKNESS
TMPD	TEMPERED
TOC	TOP OF CURB
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB
TOW	TOP OF WALL
TS	TUBE STEEL
TSH	TOWEL SHELF
TSTAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL
TLT	TOILET

U

UC	UNDERCUT
UNGD	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UNFIN	UNFINISHED
UNO	UNLESS OTHERWISE NOTED

V

VAR	VARIES
VB	VALVE BOX
VERT	VERTICAL
VEST	VESTIBULE
VOL	VOLUME
VP	VENEER PLASTER
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF

W

W	WIDE
W/	WITH
WC	WALL COVERING
WCLR	WATER COOLER
WD	WOOD
WDSP	WASTE DISPOSER
WDW	WINDOW
WF	WIDE FLANGE
WH	WATER HEATER
W/O	WITHOUT
WP	WATERPROOF / WATERPROOFING
WR	WATER REPELLENT
WSP	WET STAND PIPE
WT	WEIGHT
WWF	WELDED WIRE FABRIC

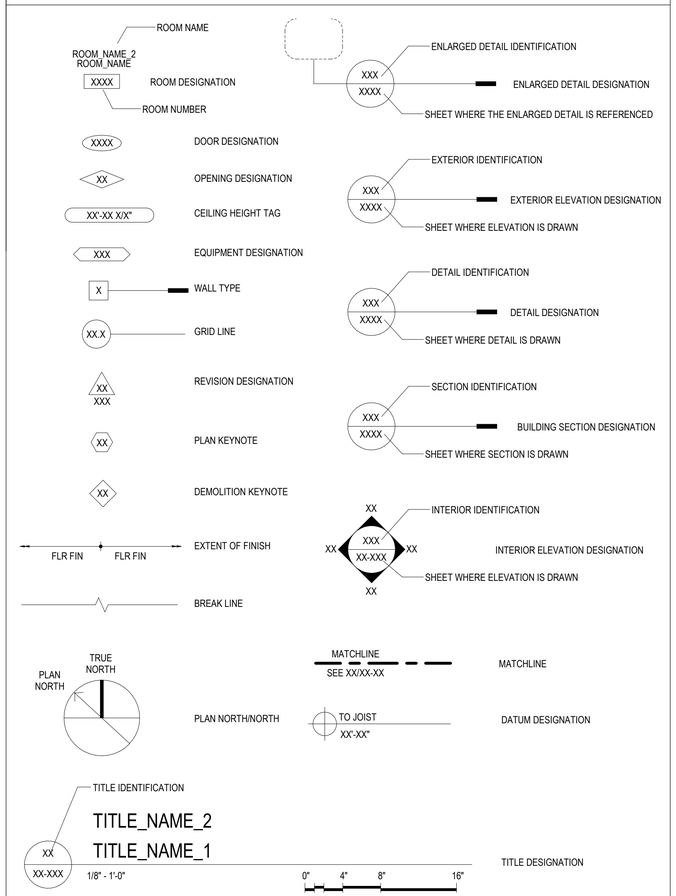
NOTES:

1.THESE ABBREVIATIONS APPLY TO THE ARCHITECTURAL PORTION OF CONTRACT DRAWINGS.

2.LISTING OF ABBREVIATIONS DOES NOT IMPLY ALL ABBREVIATIONS ARE USED IN THE CONTRACT DRAWINGS.

3.ABBREVIATIONS SHOWN ON THIS SHEET INCLUDE VARIATIONS OF THE WORD. FOR EXAMPLE, "MOD" MAY MEAN MODIFY OR MODIFICATION; "INC" MAY MEAN INCLUDED OR INCLUDING; "REINF" MAY MEAN EITHER REINFORCE OR REINFORCING.

ARCHITECTURAL SYMBOLS LEGEND



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0 1"

No.	Issue	Checked	Approved	Date

Author	D.SIOJO	Designer	B.KLUG
Drafting Check	B.KLUG	Design Check	B.KLUG
Project Manager	B. KLUG	Project Director	M.KLOUDA

Client

ALASKA NATIVE HERITAGE CENTER

Project

ANHC SUBSISTENCE KITCHEN

Date	Scale
05.01.2026	1/8" = 1'-0"

Project No.
12683140

Title
ABBREVIATIONS AND SYMBOLS LEGEND

Size
ANSI D

Sheet No.
A001

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1 OVERALL FIRST FLOOR PLAN

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

TRUE NORTH / PLAN NORTH

0' 8' 16' 32'

FLOOR PLAN LEGEND

EXISTING

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Project

ANHC SUBSISTENCE KITCHEN

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Project No. 12683140

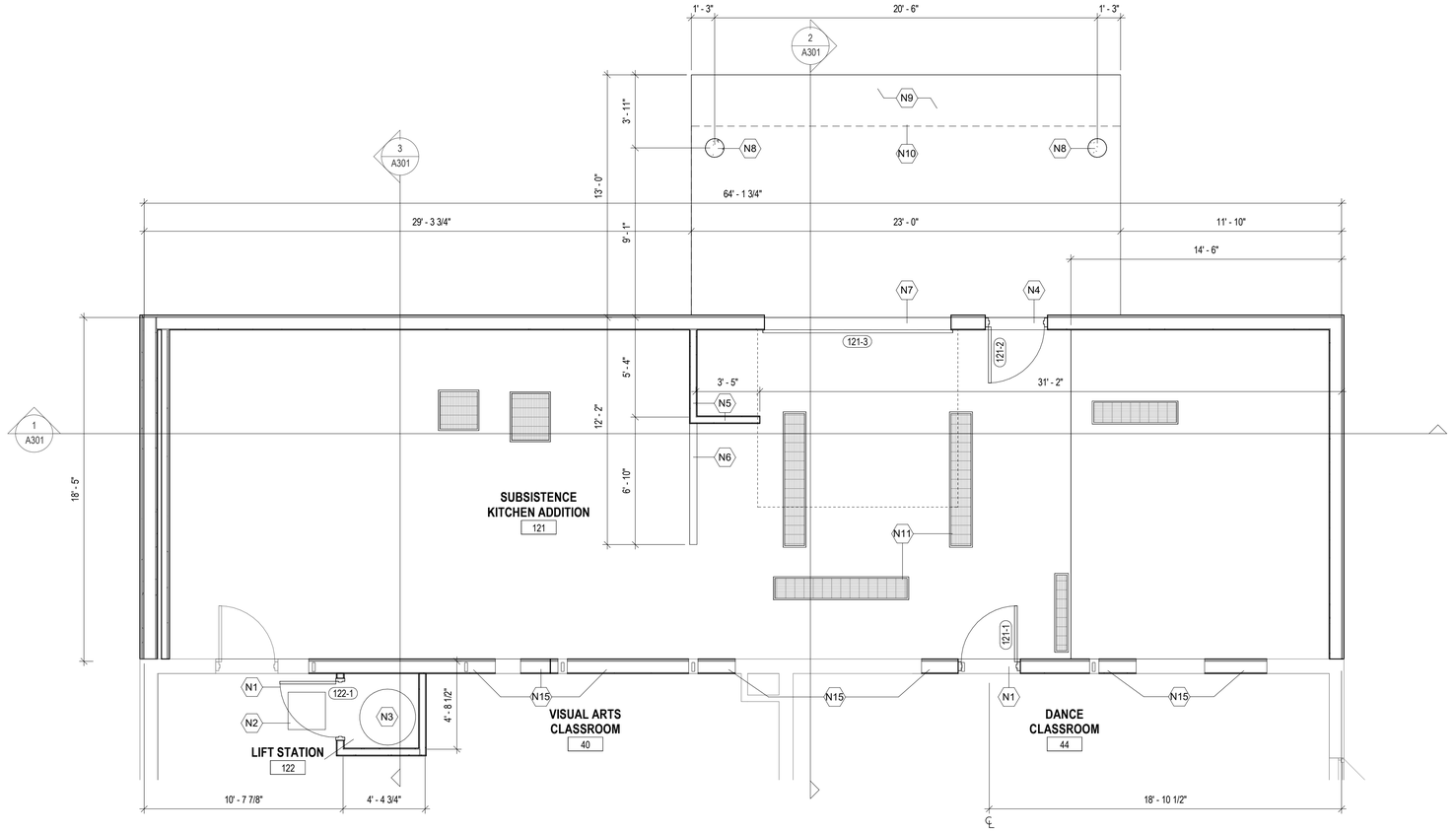
Title

OVERALL FIRST FLOOR PLAN

Size ANSI D

Sheet No. A101

35% DESIGN DOCUMENTS

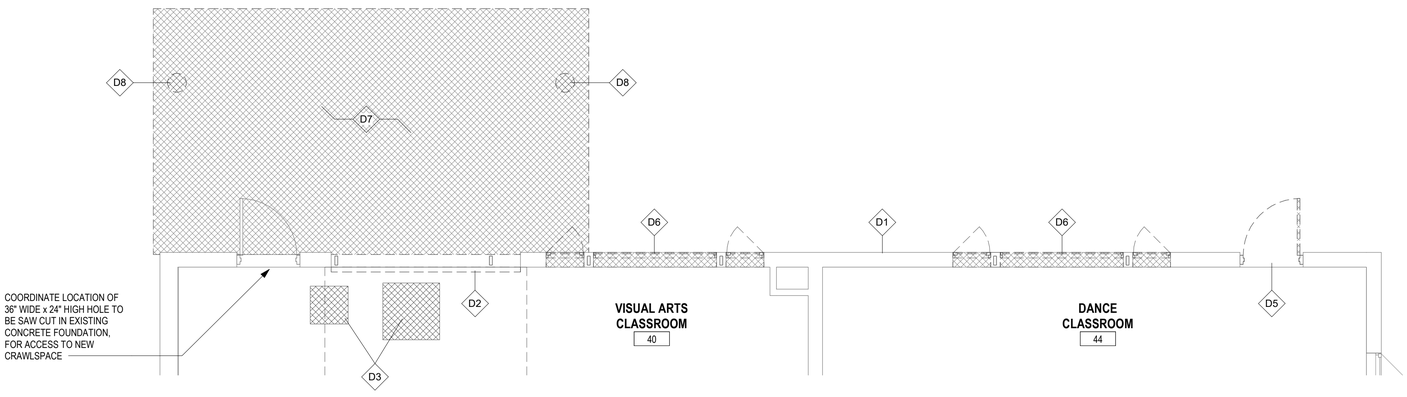


2 A301 PARTIAL NEW FLOOR PLAN

SCALE: 1/4" = 1'-0"

TRUE NORTH / PLAN NORTH

0' 2' 4' 8'



1 A101 PARTIAL DEMOLITION FLOOR PLAN

SCALE: 1/4" = 1'-0"

TRUE NORTH / PLAN NORTH

0' 2' 4' 8'

FLOOR PLAN LEGEND

XXXX DOOR TAG

X WALL TAG

TRENCH DRAIN

KEYNOTES

XX

N1 NEW HM DOOR WITH HM FRAME, PAINTED

N2 24" X 24" FLOOR ACCESS DOOR

N3 LIFT STATION. SEE MECHANICAL

N4 NEW IHM DOOR WITH INSULATED HM FRAME, PAINTED

N5 INTERIOR WALLS: 3 5/8" METAL STUDS WITH 5/8" GYPSUM BOARD AND RFP PANELS FULL HEIGHT

N6 INTERIOR WALLS: 3 5/8" METAL STUDS WITH 5/8" GYPSUM BOARD AND RFP PANELS 4' - 0" HEIGHT

N7 SALVAGED OVERHEAD DOOR INSTALLED IN NEW LOCATION

N8 CONCRETE COLUMNS. SEE STRUCTURAL

N9 CONCRETE PATIO

N10 CANOPY ABOVE

N11 TRENCH DRAIN

N15 INFILL WALLS: 2x WOOD FRAMING AT 16" O.C., 5/8" GYPSUM BOARD BOTH SIDES, FRP PANEL ON KITCHEN SIDE

DEMO FLOOR PLAN LEGEND

TO BE DEMOLISHED

KEYNOTES

XX

D1 DEMOLISH WOOD SIDING AND AIR BARRIER ALONG THIS WHOLE FACADE

D2 SALVAGE OVERHEAD DOOR WITH GLASS PANELS, TRACK, MOTOR, AND ALL ACCESSORIES. PREP FOR REINSTALLATION

D3 DEMO AS REQUIRED FOR NEW ACCESS DOOR AND LIFT STATION. SEE STRUCTURAL

D5 DEMOLISH DOOR

D6 DEMOLISH WINDOW

D7 DEMOLISH CONCRETE FLOOR

D8 DEMOLISH CONCRETE COLUMN

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ANHC SUBSISTENCE KITCHEN

Date	Scale
05.01.2026	1/4" = 1'-0"

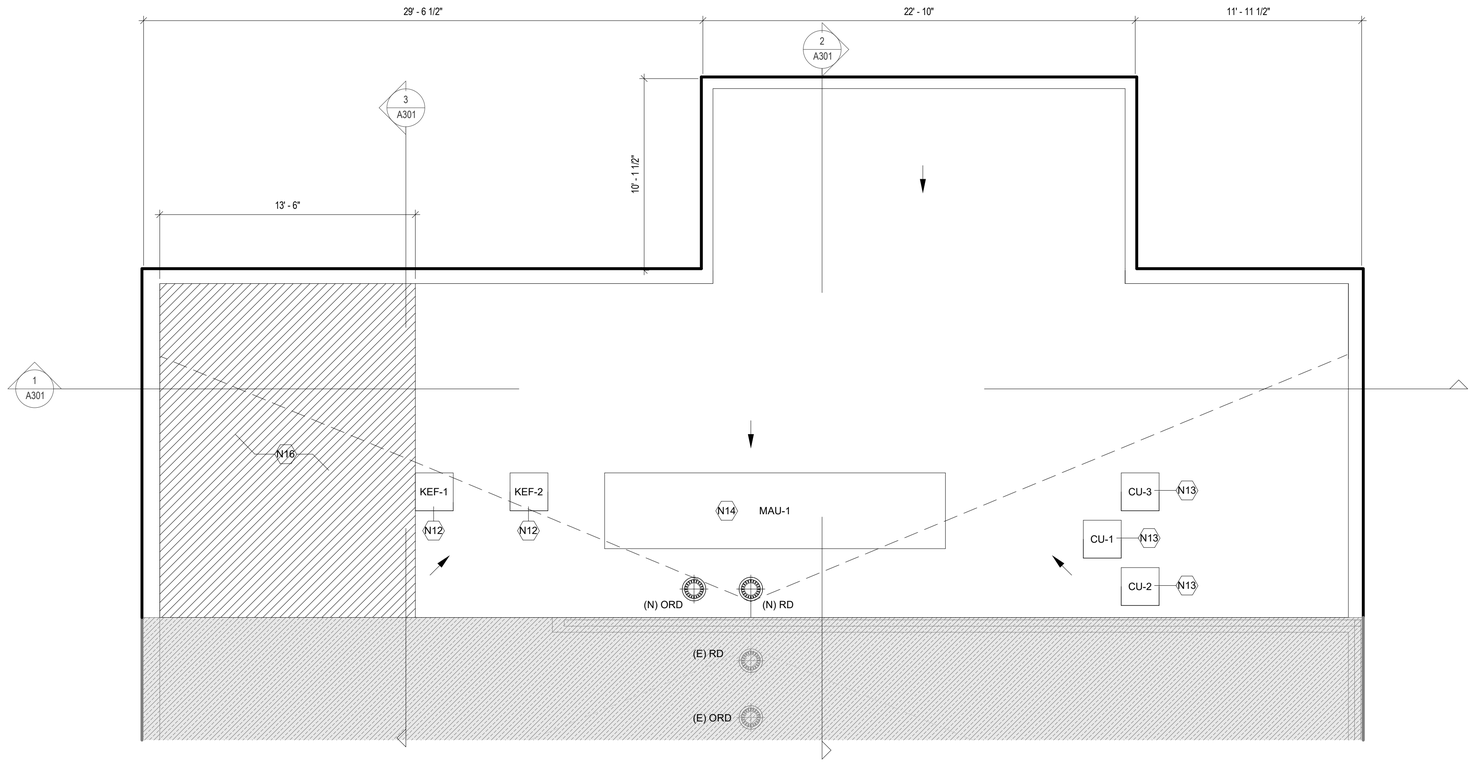
Project No. 12683140

Title

PARTIAL FLOOR PLANS

Size ANSI D

Sheet No. A121

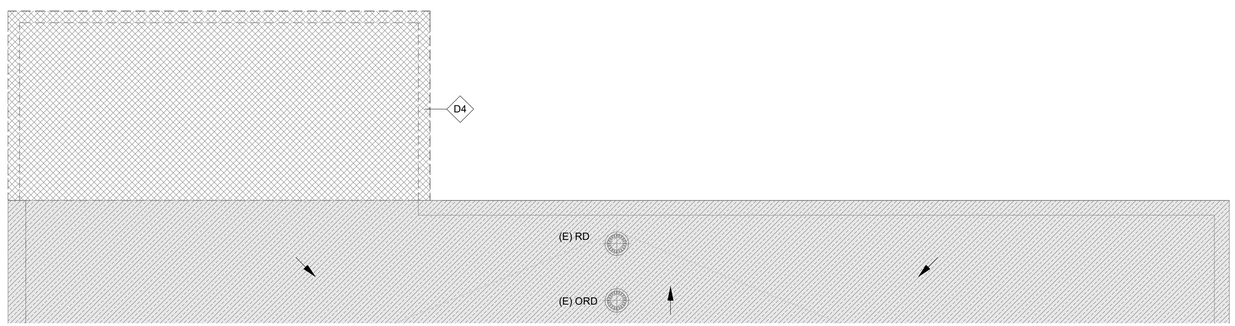


2 A101 PARTIAL NEW ROOF PLAN

SCALE: 1/4" = 1'-0"

TRUE NORTH / PLAN NORTH

0' 2' 4' 8'



1 A101 PARTIAL DEMOLITION ROOF PLAN

SCALE: 1/4" = 1'-0"

TRUE NORTH / PLAN NORTH

0' 2' 4' 8'

ROOF PLAN GEN NOTES

1. PROVIDE TAPERED INSULATION TO ACHIEVE CRICKETS INDICATED ON PLANS.
2. PROVIDE NEW COPINGS.
3. PROVIDE ALL NEW ROOF DRAIN AND OVERFLOW DRAIN BOWLS AND GRATES.
   (E) = EXISTING
   (N) = NEW DRAIN
4. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.

ROOF LEGEND

- DRAINAGE AT SLOPE 1/4" : 12
- ROOF DRAIN (RD) OR OVERFLOW ROOF DRAIN (ORD). PLACE OVERFLOW ROOF DRAINS 2" UP SLOPE FROM PRIMARY DRAINS NOT INCLUDING SUMPS
- PRIMARY DRAINAGE LINES
- EXISTING
- 2 HOUR ROOF/ CEILING ASSEMBLY

KEYNOTES

N12 EXHAUST FAN. SEE MECHANICAL
N13 CONDENSER UNIT ON CURBS OR WOOD SLEEPERS. SEE MECHANICAL
N14 MAU ON RAISED FRAMEWORK. SEE MECHANICAL
N16 2 HOUR ROOF/ CEILING ASSEMBLY

DEMO ROOF PLAN LEGEND

- TO BE DEMOLISHED
- EXISTING

KEYNOTES

D4 DEMO COPING, PARAPET, ROOF ASSEMBLY AND FRAMING

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ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

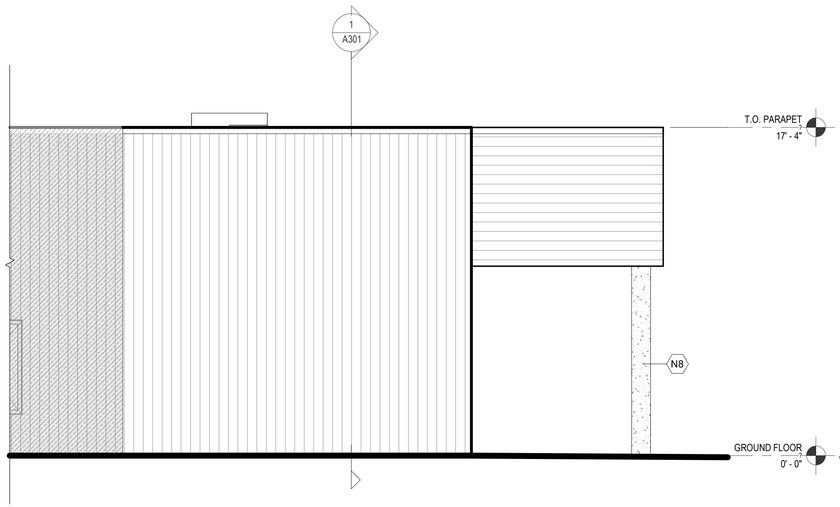
Date	Scale
05.01.2026	1/4" = 1'-0"

Project No.
12683140

Title
PARTIAL ROOF PLANS

Size
ANSI D

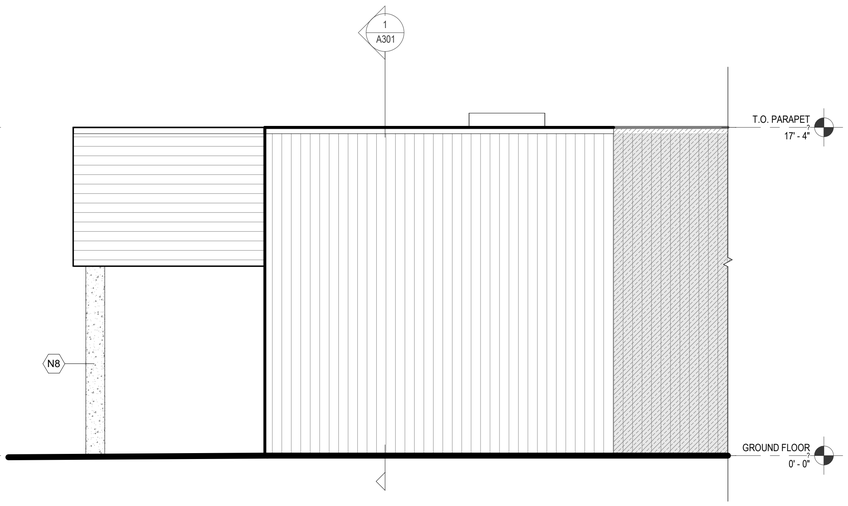
Sheet No.
A141



2 PARTIAL EXTERIOR ELEVATION - EAST

SCALE: 1/4" = 1'-0"

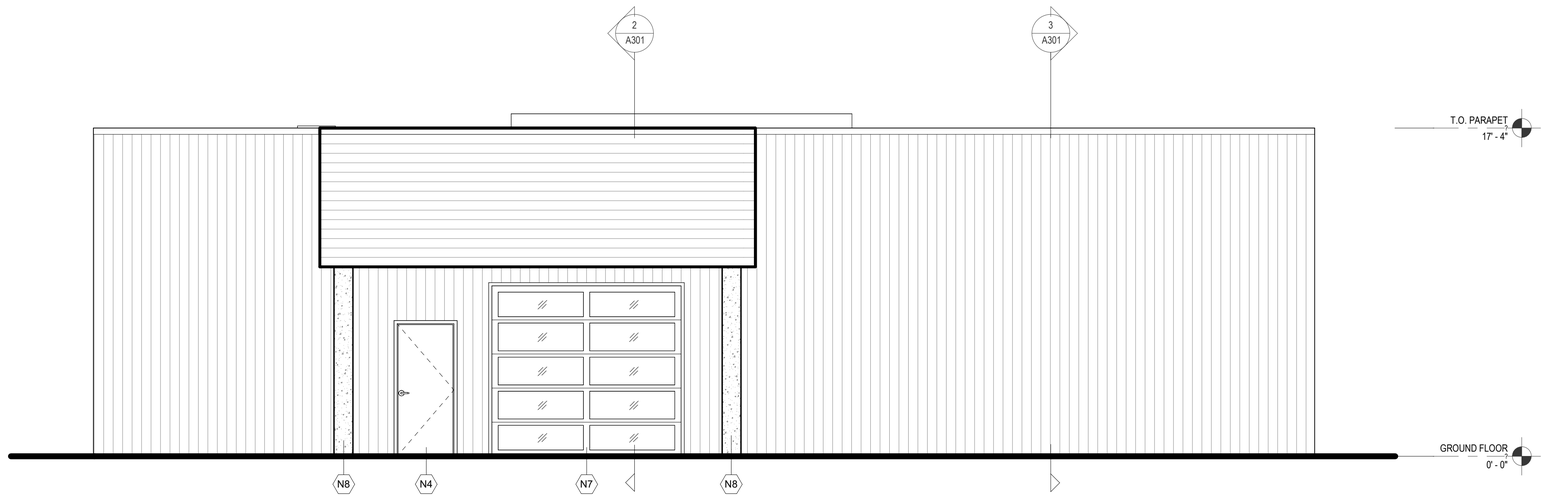
0' 2' 4' 8'



3 PARTIAL EXTERIOR ELEVATION - WEST

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'



1 PARTIAL EXTERIOR ELEVATION - NORTH

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

ELEVATION LEGEND

- HORIZONTAL WOOD T&G TO MATCH EXISTING. STAIN TO MATCH EXISTING
- VERTICAL WOOD T&G TO MATCH EXISTING. STAIN TO MATCH EXISTING
- EXISTING

KEYNOTES

XX

N4	NEW IHM DOOR WITH INSULATED HM FRAME, PAINTED
N7	SALVAGED OVERHEAD DOOR INSTALLED IN NEW LOCATION
N8	CONCRETE COLUMNS. SEE STRUCTURAL

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Project Manager	B. KLUG	Project Director	M.KLOUDA

Client

ALASKA NATIVE HERITAGE CENTER

Project

ANHC SUBSISTENCE KITCHEN

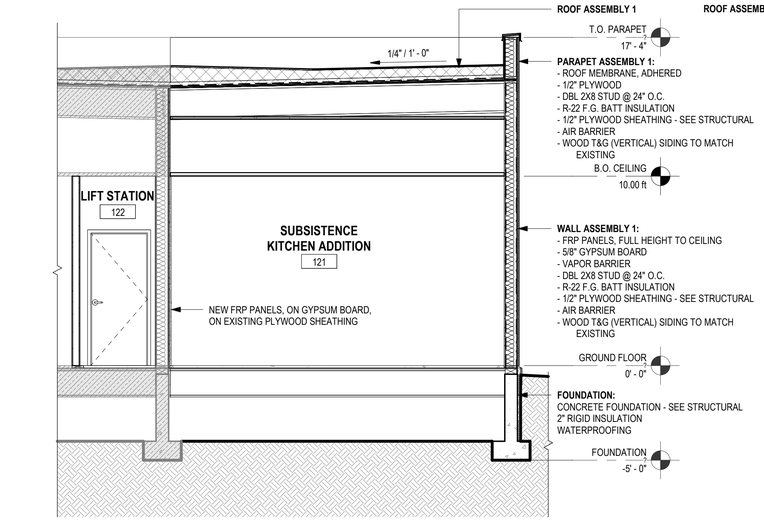
Date	Scale
05.01.2026	1/4" = 1'-0"

Project No. **12683140**

Title **ELEVATIONS**

Size **ANSI D**

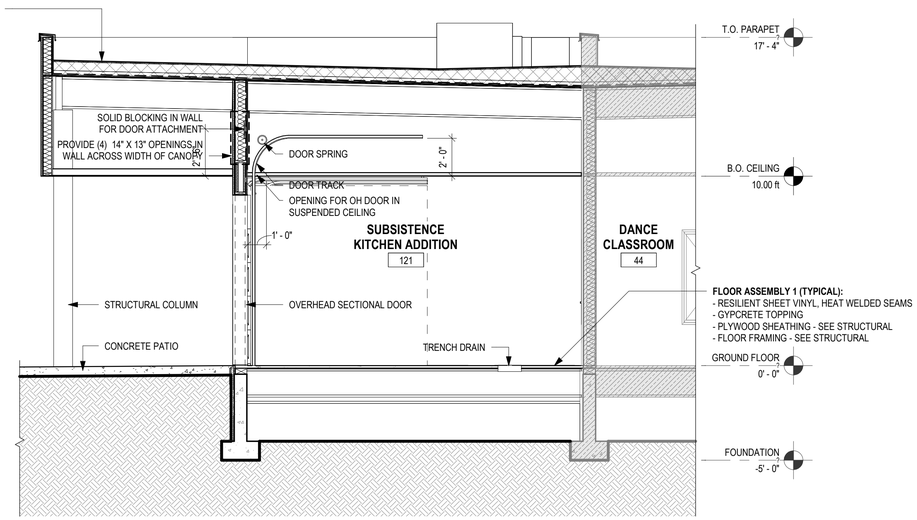
Sheet No. **A201**



3 PARTIAL SECTION - WEST

SCALE: 1/4" = 1'-0"

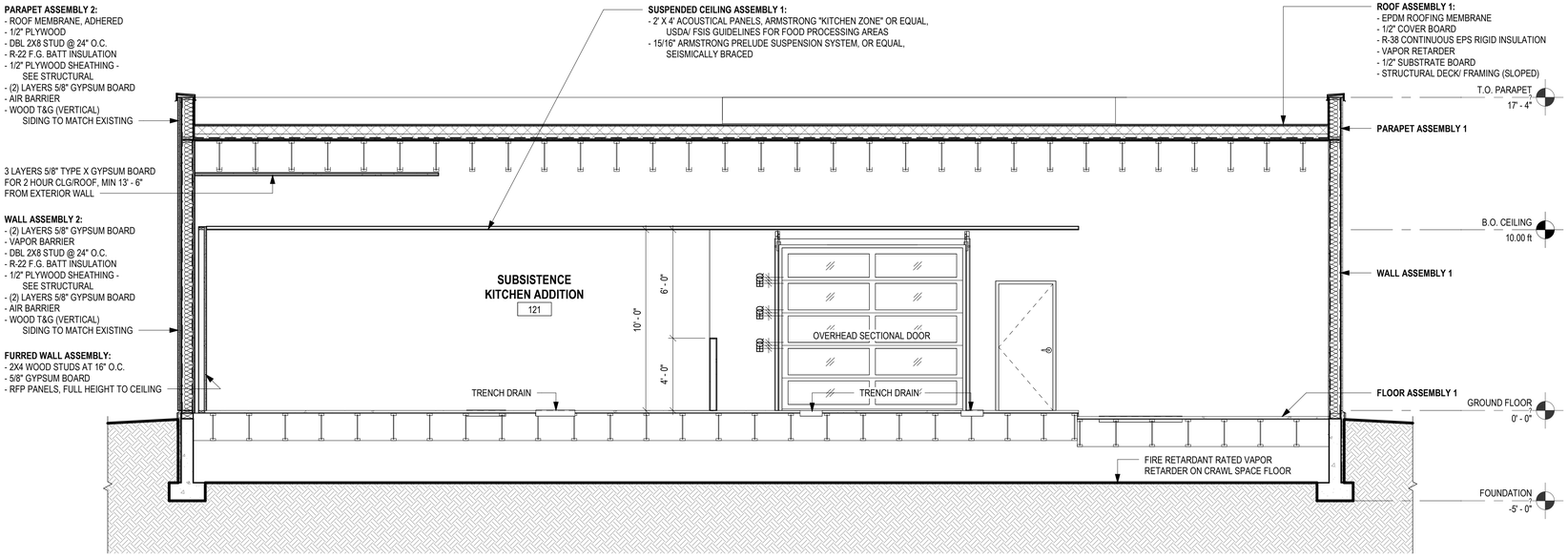
0' 2' 4' 8'



2 PARTIAL SECTION - EAST

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'



1 PARTIAL SECTION - NORTH

SCALE: 1/4" = 1'-0"

0' 2' 4' 8'

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ANHC SUBSISTENCE KITCHEN

Date	Scale
05.01.2026	1/4" = 1'-0"

Project No. 12683140

Title: **SECTIONS**

Size: ANSI D

Sheet No. A301

GENERAL NOTES

IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS TO VERIFY THE ACTUAL SPACE AND MECHANICAL REQUIREMENTS OF ALL ITEMS SHOWN AS FUTURE, NIC, SUPPLIED BY "OTHERS", ETC., WITH THE OWNER PRIOR TO ROUGH-IN AND CONNECTION.

THE GENERAL CONTRACTOR SHALL IMMEDIATELY INFORM CMA RESTAURANT SUPPLY & DESIGN, INC., AND THE OWNER OF ANY RED LINES, CORRECTIONS, ETC., ON THE PERMIT PLANS AND OF ANY INSPECTION CORRECTIONS REQUESTED CONCERNING THESE DRAWINGS OR EQUIPMENT AS LISTED FOR THIS PROJECT.

THE GENERAL CONTRACTOR SHALL PROPERLY SEAL ALL WALL AND FLOOR PENETRATIONS AFTER THE INSTALLATION OF RELATED EQUIPMENT AND FURNISHINGS ITEMS.

IT SHALL BE NOTED BY THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS THAT THIS SET OF PLANS AND THE INFORMATION CONTAINED WITHIN IN NO WAY RELIEVES SAID PARTIES OF THEIR RESONSIBILITY TO INVESTIGATE AND COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES, AND TO PERFORM ALL WORK TO THE HIGHEST STANDARDS.

EXHAUST VENTS AND MAKE-UP AIR BY HVAC CONTRACTOR.

THE GENERAL CONTRACTOR SHALL PROVIDE: FLOOR, CEILING, WALL AND ROOF PENETRATIONS: FIRE-RATED SHAFTS FOR EXHAUST DUCTS.

IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE WEATHER PROTECTION FOR ALL ROOF AND ALL WALL PENETRATIONS PRIOR TO AND DURING THE INSTALLATION OF EQUIPMENT AND FURNISHINGS

SUITABLE WALL BACKING AS SHOWN ON THESE PLANS AND AS REQUIRED BY THE OWNER SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR.

EXHAUST SYSTEM SHALL BE SUBJECT TO PERFORMANCE TEST AS REQUIRED PRIOR TO ISSUANCE OF BUILDING PUBLIC OCCUPANCY BY LOCAL BUILDING OFFICIALS.

PLANS FOR WALK-IN COOLER WILL BE SUBMITTED TO THE CITY PRIOR TO CONSTRUCTION. INCLUDE WORKING DRAWINGS WITH SUBMITTAL.

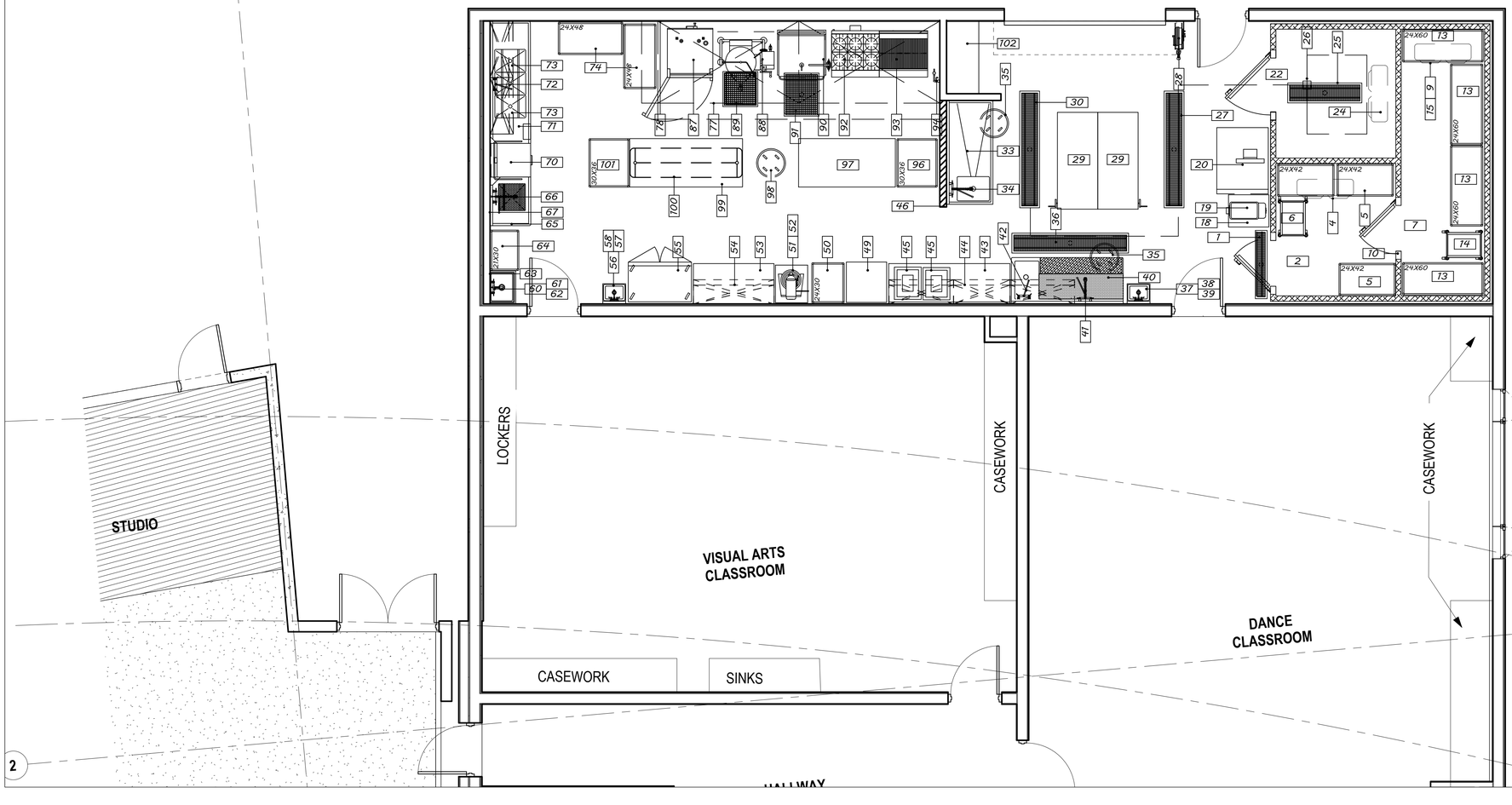
THESE PLANS SHALL BE READ IN CONJUNCTION WITH THE EQUIPMENT INFORMATION MANUAL SUPPLIED BY CMA RESTAURANT SUPPLY & DESIGN INC. AND BY THIS REFERENCE IS MADE A PART HEREOF.

VERIFY EQUIPMENT REQUIREMENTS WITH FINAL EQUIPMENT SELECTIONS

ROOF EQUIPMENT

SEE ARCHITECTURAL OR MECHANICAL DRAWINGS

XX XX XX XX XX XX XX



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ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

Date	Scale
05.01.2026	

Project No.
12683140

Title
EQUIPMENT FLOOR PLAN

Sheet No.
K1

1. THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL SEAL–TITE FLEX CONDUIT TO ALL FOOD SERVICE EQUIPMENT IN DAMP AREAS, I.E., SCULLERY, BAR ROOF, ETC. FLEX CONNECTIONS AT ALL FANS ON THE ROOF SHALL BE OF EXTRA LENGTH TO ALLOW FULL FAN REMOVAL FOR THE EASE OF CLEANING.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FUSED DISCONNECTS FOR EQUIPMENT HOOK–UPS AS REQUIRED BY CODE AND LABELING.
3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECTS IN A CONVENIENT ACCESSIBLE LOCATION AT AT THE POWER BOX FOR EACH ICE MACHINE HEAD.
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL AN INTERCONNECT CIRCUIT BETWEEN THE ICE MACHINE HEADS (ITEM) AND THE REMOTE CONDENSING UNITS ON THE ROOF AS REQUIRED BY THE MANUFACTURER.
5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A VAPOR–PROOF SWITCH AT EACH BLOWER COIL IN THE WALK–IN COOLER (ITEM).
6. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A CONNECTOR CIRCUIT BETWEEN THE DISH TABLE LIMIT SWITCH AND THE DISHWASHER CONTROL PANEL.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING TO THE STRIP HEAT LAMPS ON THE PASS SHELF AND CABINET FROM THE JUNCTION BOX BELOW AND TO THE REMOTE INIFINTE CONTROLS FOR SWITCHING.
8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A 48" MINIMUM CORD AND PLUG FOR EACH PIECE OF EQUIPMENT SO NOTED. USE 90° ELBOW OUT OF UNIT.
9. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FOR THE GLASSWASHER (ITEM 260) A FOUR–WIRE SYSTEM. THREE EACH 8AWG WIRES (75 C) INCLUDING A CURRENT CARRYING NEUTRAL WITH THE FOURTH WIRE BEING A MACHINE GROUND.
10. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FOR HOOK–UP OF A THERMOSTAT, SOLENOID, BLOWER COIL AND COMPRESSOR FOR EACH REFRIGERATED UNIT. MAGNETIC STARTERS AND/OR THERMAL PROTECTORS SHALL BE INCLUDED AS NECESSARY.
11. THE ELECTRICAL CONTRACTOR SHALL PROVIDE 1" CONDUIT AND JUNCTION BOXES AT EACH CASH REGISTER TERMINAL SO AS TO INTERCONNECT ALL UNITS TO EACH OTHER AND TO THE CENTRAL PROCESSING TERMINAL. CONSULT WITH THE OWNER'S REPRESENTATIVE FOR EXACT LOCATIONS OF ALL TIE–IN UNITS.
12. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A FOUR–WIRE SERVICE TO THE DISH MACHINE. THREE WIRES SHALL BE 8 AWG RATED 75DC TO CARRY CURRENT. THE FOURTH WIRE SHALL BE A GROUND.
13. THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL ALL DRAIN LINES FROM WALK–IN BLOWER COILS TO FLOOR SINKS. HEAT TAPE SHALL BE PROVIDED AND WRAPPED AT ALL DRAIN LINES SUBJECT TO THE POSSIBILITY OF FREEZING, SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
14. ALL DRAIN LINES FROM EQUIPMENT REQUIRING CONDENSATION REMOVAL SHALL BE DONE IN COPPER.
15. IT SHALL BE THE RESPONSIBILITY OF "OTHERS" TO INTERCONNECT THE HOOD FIRE PROTECTION SYSTEMS TO THE BUILDING FIRE DETECTION UNITS AS REQUIRED.
18. THE OWNER'S VENDOR OF CHOICE SHALL SUPPLY AND INSTALL A CO2 STORAGE CANISTER IN THE LIQUOR STORAGE ROOM. AN EXTERIOR FILL VALVE AND ALL CO2 UNITS SHALL BE SUPPLIED AND INSTALLED BY THE VENDOR.
19. THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL TO EACH PIECE OF ROOF–TOP EQUIPMENT (FANS, MOTORS, COMPRESSORS, CONDENSERS, ETC.) A SEPARATE WEATHER–PROTECTED DISCONNECT SWITCH.
20. PLUMBING CONTRACTOR SHALL SUPPLY AND INSTALL ANTI–SIPHON VALVE ASSEMBLIES FOR SODA DISPENSING SYSTEM.
21. PLUMBING CONTRACTOR SHALL FULLY INSULATED 180 F DISHWASHER/BOOSTER HEATER CIRCUILATION LOOP.
22. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING AND ELECTRICAL CONTRACTORS TO MAKE ALL REQUIRED WATER, GAS, DRAIN AND ELECTRICAL FINAL CONNECTIONS FOR ALL MAKE–UP AIR SYSTEM UNITS.
23. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO INSTALL ALL OWNER SUPPLIED COMPUTER/COMMUNICATIONS CABLES AS PER OWNERS DIRECTION.
24. IT SHALL BE THE RESPONSIBILITY OF PLUMBING CONTRACTOR TO COMPLY WITH ALL LOCAL CODES CONCERNING GAS VALVE REGULATOR VENTING.
25. ELECTRICAL CONTRACTOR SHALL PROVIDE A INDIVIDUAL DISCONNECT BOX FOR EACH PIECE OF ROOF TOP ELECTRICALLY POWERED EQUIPMENT.
26. THE GENERAL CONTRACTOR SHALL PHOTOGRAPH ALL WALLS CONTAINING BACKING PRIOR TO SHEETROCK/FRP INSTALLATION.
27. THE PLUMBING CONTRACTOR SHALL PROVIDE CLEANOUTS AT 1ST ELBOW ON EACH WALK–IN BLOWER COIL DRAIN.
28. PLUMBING CONTRACTOR SHALL SUPPLY AND INSTALL FREEZE PROTECTED HOT/COLD WATER VALVES AT CAN WASH AREA.
29. THE PLUMBING CONTRACTOR SHALL SUPPLY AND INSTALL WATER LINE BACK CHECK VALVES AS REQUIRED PER CODE.
30. THE ELECTRICAL CONTRACTOR SHALL PROVIDE INTERCONNECT SWITCHING BETWEEN THE KITCHEN EXHAUST HOOD EXHAUST FANS AND THE KITCHEN MAKE–UP AIR SYSTEMS AS REQUIRED PER LOCAL CODE AND AUTHORITIES.
31. COMMUNICATIONS CABLES ARE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICAL CONTACTOR.
32. ELECTRICAL AND MECHANICAL CONTRACTOR TO VERIFY REQUIREMENTS OF OWNER PROVIDED EQUIPMENT.
33. ELECTRICAL CONTRACTOR TO INTERWIRE WITH REMOTE MANUAL REVERSING SWITCH PER DISPOSER MANUFACTURER'S SPEC. SHEET.
34. PLUMBING CONTRACTOR TO INSTALL DISPOSER PER MANUFACTURER'S SPEC. SHEET.
35. PRESSURE REGULATORS FOR GAS COOKING EQUIPMENT SUPPLIED BY CMA AND INSTALLED PER CODE AND MANUFACTURER'S SPECIFICATIONS BY PLUMBING CONTRACTOR.
36. ELECTRICAL CONTRACTOR SHALL PROVIDE INTER CONNECT FOR FREEZER COIL & TIMECLOCK CIRCUIT DEFROST SYSTEM.
37. ELECTRICAL CONTRACTOR SHALL CONNECT QUARTZ HEATING ELEMENTS ON CHEESEMELTER.
38. THE PLUMBING CONTRACTOR SHALL SUPPLY AND INSTALL SHUT–OFF VALVE ON DRAIN.
39. THE ELECTRICAL CONTRACTOR SHALL SUPPLY A FOUR WIRE, 2 HOT , 1 NEUTRAL AND 1 GROUND CONNECTION.

Item No	PROVIDED BY			Quantity	Description	Make	Model	ELECTRICAL							PLUMBING				
	KEC	GC	OWNER					Voltage	Phase	Amps	KW	HP	Connection	Electrical Notes	Hot	Cold	Waste	Gas Pipe Size	BTU
1	X			1	FLOOR TROUGH	Pacific Stainless	CUSTOM 48" X 8"										3"		
2	X			1	WALK-IN COOLER	Arctic		115	1	3			JBOX						
3	X			1	REMOTE REFRIGERATION SYSTEM	Arctic		208	3	15			JBOX						
4	X			1	COOLER EVAPORATOR COIL	Arctic		115	1	.85			JBOX	SHUT OFF SWITCH			3/4"		
5	X			3	COOLER STORAGE SHELVING	Metro	PR-244274K3-S-4												
6	X			1	BUN / SHEET PAN RACK	John Boos	ABPR-1820-3KD-X												
7	X			1	WALK IN FREEZER	Arctic		115	1	3			JBOX						
8	X			1	FREEZER CONDENSING UNIT	Arctic		208	3	15			JBOX						
9	X			1	FREEZER EVAPORATOR COIL	Arctic		208	1	9.1			JBOX	SHUT OFF SWITCH			3/4"		
10	X			1	DEFROST HEATER SYSTEM	Arctic		115	1	15									
11					SPARE NUMBER														
12					SPARE NUMBER														
13	X			4	FREEZER STORAGE SHELVING	Metro	PR-246074K3-S-4												
14	X			1	BUN / SHEET PAN RACK	John Boos	ABPR-1820-3KD-X												
15		X		1	HEAT TRACE TAPE	GC		115	1	3				FOR CONDENSATE DRAIN					
16					SPARE NUMBER														
17					SPARE NUMBER														
18	X			1	EQUIPMENT STAND, FOR MIXER / SLICER	John Boos	MS4-2430GSK-X												
19			X	1	EXISTING MEAT GRINDER	OWNER	4822+BUILDUP	120	1			1-1/2	5-15P	Cord & Plug					
20			X	1	MEAT BONE SAW, ELECTRIC	Hobart	6801+BUILDUP	200-230	3			3	JBOX						
21					SPARE NUMBER														
22	X			1	WALK-IN COOLER	Arctic		115	1	3			JBOX						
23	X			1	COOLER CONDENSING UNIT	Arctic		208	3	15			JBOX						
24	X			1	COOLER EVAPORATOR COIL	Arctic		115	1	.85			JBOX	SHUT OFF SWITCH			3/4"		
25	X			1	FLOOR TROUGH	Pacific Stainless	FT8412-SG										3"		
26	X			1	HOOK AND RAIL CARCASS SYSTEM	TONON	CUSTOM	115	1.0				JBOX	AT SWITCH					
27	X			1	FLOOR TROUGH	Pacific Stainless	FT8412-SG										3"		
28	X			1	HOSE REEL	T&S Brass	B-7222-C01XS1E								1/2"	1/2"			
29	X			2	WORK TABLE, STAINLESS STEEL TOP	Eagle Group	T3072SEB-HA												
30	X			1	FLOOR TROUGH	Pacific Stainless	FT8412-SG										3"		
31					SPARE NUMBER														
32					SPARE NUMBER														
33	X			1	ONE (1) COMPARTMENT PREP SINK	Pacific Stainless	CUSTOM										3-1/2"		
34	X			1	SPLASH MOUNT FAUCET WITH PRE RINSE SP	T&S Brass	B-0133-01								1/2"	1/2"			
35			X	1	MOBILE GARBAGE CAN	OWNER													
36	X			1	FLOOR TROUGH	Pacific Stainless	FT8412-SG										3"		
37	X			1	HAND SINK	John Boos	PBHS-W-1410-SSLR-X										1-1/2"		
38	X			1	WALL / SPLASH MOUNT FAUCET	T&S Brass	B-1146								1/2"	1/2"			
39			X	1	HAND TOWEL AND SOAP DISPENSER	OWNER													
40	X			1	CUSTOM SS FISH PREP SINK	Pacific Stainless	CUSTOM												
41	X			1	PRE-RINSE FAUCET ASSEMBLY, WITH ADD O	T&S Brass	B-0133-01								1/2"	1/2"			
42	X			1	WALL / SPLASH MOUNT FAUCET	T&S Brass	B-0231								1/2"	1/2"			
43	X			1	WORK TABLE, STAINLESS STEEL TOP	Pacific Stainless	CUSTOM												
44	X			1	WALL MOUNT SHELF UNIT	Quantum	XXX												
45			X	2	EXISTING FOOD PACKAGING MACHINE	VacMaster	VP320	110	1	13.0		1-1/2							
46	X			1	STAINLESS STEEL WALL CAP	Pacific Stainless													
47					SPARE NUMBER														
48					SPARE NUMBER														
49			X	1	EXISTING DEHYDRATOR	OWNER		120/208			5			Cord & Plug					
50	X			1	SHELVING UNIT, WITH METAL POST	Metro	PR-243074K3-S-4												
51	X			1	PLANETARY MIXER	Globe (Middleby)	SP20	115	1	6.0		1/2	5-15P	Cord & Plug					
52	X			1	EQUIPMENT STAND, FOR MIXER / SLICER	John Boos	MS4-2430SSK-X												
53	X			1	WORK TABLE, STAINLESS STEEL TOP	Pacific Stainless	WKT6030A6S												
54	X			1	WALL MOUNT SHELF UNIT	Quantum	XXX												
55	X			1	REACH-IN REFRIGERATOR	True Mfg. - General Foodser	T-43-HC	115	1	3.7		0.5	5-15P	Cord & Plug					
56	X			1	HAND SINK	John Boos	PBHS-W-1410-SSLR-X										1-1/2"		
57	X			1	WALL / SPLASH MOUNT FAUCET	T&S Brass	B-1146								1/2"	1/2"			
58			X	1	HAND TOWEL AND SOAP DISPENSER	OWNER													
59					SPARE NUMBER														
60	X			1	MOP SINK	John Boos	PBMS2016-6-X										3"		
61	X			1	SERVICE FAUCET	T&S Brass	B-0665-BSTP								1/2"	1/2"			
62	X			1	SHELVING, WALL MOUNTED	John Boos	PB-MSS824-X												
63	X			1	SS FLUTED WALL FLASHING	Pacific Stainless													
64	X			1	SHELVING UNIT, WITH METAL POST	Metro	PR-213074K3-S-4												
65	X			1	SOILED DISHTABLE W/ PRE RINSE SINK	Pacific Stainless	CUSTOM										1-1/2"		
66	X			1	PRE-RINSE FAUCET ASSEMBLY	T&S Brass	B-0133								1/2"	1/2"			
67	X			1	SS FLUTED WALL FLASHING	Pacific Stainless													
68					SPARE NUMBER														
69					SPARE NUMBER														
70	X			1	DISHWASHER, DOOR TYPE	Jackson WWS	CONSERVER XL-E-FL	115	1	10		1			1/2"	1/2"	2"		
71	X			1	DISHTABLE, WITH POTSINKS	Pacific Stainless	CUSTOM										(3) 1.5"		
72	X			1	WALL / SPLASH MOUNT FAUCET	T&S Brass	B-0231								1/2"	1/2"			
73	X			1	WALL MOUNT SHELF UNIT	Quantum	XXX												
74	X			2	SHELVING UNIT	Metro	PR-244874K3-S-4												
75					SPARE NUMBER														
76					SPARE NUMBER														
77	X			1	CLASS 1 EXHAUST HOOD	Greenhck		115	1	3			JBOX	SEE HOOD DWGS					
78	X			1	SS FLUTED WALL FLASHING	Pacific Stainless													
79	X			2	EXHAUST FAN	Greenhck		460	3	4.63			JBOX	SEE HOOD DWGS					
80	X			2	EXHAUST CURB	Greenhck													
81		X		1	CLASS 1 EXHAUST DUCTWORK	GC													
82	X			1	MAKE UP AIR / CONDITIONING UNIT	Greenhck		460	3	4.9			JBOX	SEE HOOD DWGS				3/4"	500
83		X		1	MAKE UP AIR DUCTWORK	GC													
84		X		1	FIRE SUPPRESSION SYSTEM	GC													
85		X		1	ELECTRIC GAS SHUT OFF VALVE	GC		115	1	3			JBOX	SEE HOOD DWGS					
86	X			1	HOOD SYSTEM CONTROLS	Greenhck		X	X	X				SEE HOOD DWGS					
87	X			1	COMBI OVEN, GAS	UNOX USA	XAVC-06FS-GPLM	120	1	8	1			Cord & Plug		3/4"			
88	X			1	KETTLE, GAS, TILTING	Cleveland	KGL25T	120	1	5.0				Cord & Plug				3/4"	90.0
89	X			1	FLOOR TROUGH	Pacific Stainless	FT2424-SG										3"		
90	X			1	TILTING SKILLET BRAISING PAN, GAS	Cleveland	SGL30TR	120	1	1.8			5-15P	Cord & Plug	1/2"	1/2"		3/4"	91.0
91	X			1	FLOOR TROUGH	Pacific Stainless	CUSTOM										3"		
92	X			1	RANGE, 36", 6 OPEN BURNERS	Garland Commercial Ranges	G36-6R											3/4"	236.0
93	X			1	CHARBROILER, GAS, COUNTERTOP	Garland Commercial Ranges	GD-36RB											3/4"	90.0
94	X			1	FAUCET, KETTLE / POT FILLER	T&S Brass	B-0600								1/2"	1/2"			
95					SPARE NUMBER														
96	X			1	MOBILE SHELVING UNIT	Metro	PR-243674K3-S-4												
97	X			1	WORK TABLE, STAINLESS STEEL TOP	Pacific Stainless	WKT7236S												
98			X	1	MOBILE GARBAGE CAN	OWNER													
99	X			1	WORK TABLE, STAINLESS STEEL TOP	Pacific Stainless	WKT8436S												
100	X			1	POT RACK	Pacific Stainless	PRT-84-TMS												
101	X			1	MOBILE SHELVING UNIT	Metro	PR-243674K3-S-4												
102	X			1	CHECK IN SS WORKTABLE	Pacific Stainless	CUSTOM												
103																			
104																			
105																			
106																			
107																			
108																			
109																			
110																			
111																			
112																			
113																			
114																			

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Client
ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

Date: 05.01.2026
Scale:
Project No.: 12683140
Title: **EQUIPMENT SCHEDULE**
Sheet No.: **K2**

PIPING LEGEND

- DENOTES DEMOLITION
- WASTE
- VENT PIPING
- COLD WATER
- HOT WATER
- HOT WATER RECIRCULATED
- XXX — SEE ABBREVIATIONS FOR MEDIA
- PIPE UP
- PIPE DOWN
- TEE UP
- TEE DOWN
- CAP
- UNION
- DIRECTION OF FLOW
- BALL VALVE
- GATE VALVE
- GAS SHUT-OFF VALVE
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- CHECK VALVE
- BALANCE VALVE
- REDUCED PRESSURE BACKFLOW PREVENTER
- PRESSURE REDUCING VALVE
- FLEXIBLE PIPING CONNECTOR
- PRESSURE/TEMPERATURE RELIEF VALVE
- HOSE BIBB
- PUMP
- CLEANOUT
- METER
- FILTER
- WATER HAMMER ARRESTOR

- THERMOMETER
- PRESSURE GAUGE W/ ISOLATION COCK
- STRAINER W/ BLOWDOWN
- PIPE GUIDE
- PIPE ANCHOR
- FLOOR CLEANOUT
- FLOOR DRAIN
- FLOOR SINK
- DETAILED PIPE UP & DOWN

ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	DIA	DIAMETER	HGS	HEATING GLYCOL SUPPLY	PH	PHASE
ABV	ABOVE	DIM	DIMENSION	HOA	HAND-OFF-AUTO	PSI	POUNDS PER SQUARE INCH
AC-X	AIR CONDITIONING UNIT DESIGNATOR	DN	DOWN	HP	HORSEPOWER	PSIG	POUNDS PER SQUARE INCH GAUGE
ADA	AMERICANS WITH DISABILITIES ACT GUIDELINES	DWG	DRAWING	HW	HOT WATER	R/A	RETURN AIR
		(E)	EXISTING EQUIPMENT DESIGNATOR	HWC	HOT WATER CIRCULATED	RD-X	ROOF DRAIN DESIGNATOR
AD	ACCESS DOOR	E/A	EXHAUST AIR	HWG-X	HOT WATER GENERATOR DESIGNATOR	RL	RAINLEADER
AF	AIR FOIL	EAT	ENTERING AIR TEMPERATURE	IBC	INTERNATIONAL BUILDING CODE	RPM	REVOLUTIONS PER MINUTE
AFF	ABOVE FINISHED FLOOR	EFF	EFFICIENCY	IN	INCHES	SA-X	SOUND ATTENUATOR DESIGNATOR
AFG	ABOVE FINISHED GRADE	EF-X	EXHAUST FAN DESIGNATOR	INS.	INSULATION	S/A	SUPPLY AIR
AFMS	AIR FLOW MONITORING STATION	EGT	ENTERING GLYCOL TEMPERATURE	LAT	LEAVING AIR TEMPERATURE	SCFM	STANDARD CUBIC FEET PER MINUTE
AHAP	AS HIGH AS POSSIBLE	ENT	ENTERING	LAV	LAVATORY	SP	STATIC PRESSURE
AHU-X	AIR HANDLING UNIT DESIGNATOR	ESP	EXTERNAL STATIC PRESSURE	LF	LINEAL FEET	SQ	SQUARE
AL	ALUMINUM	ET-X	EXPANSION TANK DESIGNATOR	LGT	LEAVING GLYCOL TEMPERATURE	T/A	TRANSFER AIR
AMPS	AMPERES	EXIST	EXISTING	LWT	LEAVING WATER TEMPERATURE	TEMP	TEMPERATURE
APD	AIR PRESSURE DROP	EXH	EXHAUST	MAX	MAXIMUM	TOD	TOP OF DUCT
ARCH	ARCHITECTURAL	F	FAHRENHEIT	MBH	THOUSAND BTUH	TSP	TOTAL STATIC PRESSURE
AS-X	AIR SEPARATOR DESIGNATOR	FC	FORWARD CURVE	MCA	MINIMUM CIRCUIT AMPACITY	T'STAT	THERMOSTAT
B-X	BOILER DESIGNATOR	FCO	FLOOR CLEAN OUT	MFGR	MANUFACTURER	TTL	TOTAL
BDD	BACKDRAFT DAMPER	FD-X	FLOOR DRAIN DESIGNATOR	M/A	MAKEUP AIR	TYP/TYP.	TYPICAL
BLDG	BUILDING	FIN	FINISHED	MIN/MIN.	MINIMUM	UH-X	UNIT HEATER DESIGNATOR
BOD	BOTTOM OF DUCT	FLA	FULL LOAD AMPS	MOD	MOTOR OPERATED DAMPER	UPC	UNIFORM PLUMBING CODE
BTUH	BRITISH THERMAL UNIT/HOUR	FLR	FLOOR	MTD	MOUNTED	V	VENT
CAP	CAPACITY	FPM	FEET PER MINUTE	NAT.	NATURAL	VAC	VOLT-AC
CFM	CUBIC FEET PER MINUTE	FS-X	FLOOR SINK DESIGNATOR	NC	NOISE CRITERIA	VEL	VELOCITY
CH-X	CHILLER DESIGNATOR	FT	FEET	N.C.	NORMALLY CLOSED	VDC	VOLT-DC
CIRC	CIRCULATING	G	NATURAL GAS	NO.	NUMBER	VTR	VENT THRU ROOF
CLG	CEILING	GA	GAUGE	N.O.	NORMALLY OPEN	W	WASTE
CONT	CONTINUED	GAL	GALLONS	NTS	NOT TO SCALE	W/	WITH
C.O./CO	CLEANOUT	GALV	GALVANIZED	O/A	OUTSIDE AIR	W/O	WITHOUT
CONN	CONNECTION	GPH	GALLONS PER HOUR	O.D.	OUTSIDE DIAMETER	W.C.	WATER COLUMN
CP-X	CIRCULATION PUMP DESIGNATOR	GPM	GALLONS PER MINUTE	OC	ON CENTER	WCO	WALL CLEAN OUT
CU-X	CONDENSING UNIT DESIGNATOR	GT-X	GLYCOL TANK DESIGNATOR	OD	OUTSIDE DAMPER	WG	WATER GAUGE
CUH-X	CABINET UNIT HEATER DESIGNATOR	GTD	GLYCOL TEMPERATURE DROP	OD-X	OVERFLOW DRAIN DESIGNATOR	WHA	WATER HAMMER ARRESTOR
CU	COPPER	HB-X	HOSE BIBB DESIGNATOR	OL	OVERFLOW RAINLEADER	WPD	WATER PRESSURE DROP
CW	COLD WATER	HC-X	HEATING COIL DESIGNATOR	P-X	PLUMBING FIXTURE DESIGNATOR	YCO	YARD CLEAN OUT
dB	DECIBELS	HD	HEAD	PD	PRESSURE DROP		
DEG	DEGREE	HGR	HEATING GLYCOL RETURN	PG/P.G.	PROPYLENE GLYCOL		

LOGIC

- POINT OF CONNECTION
- DETAIL NUMBER
- SHEET LOCATED ON
- DIRECTION OF VIEW
- SECTION NUMBER
- SHEET LOCATED ON
- RADIATION DESIGNATOR
- LENGTH
- GPM
- SHEET NOTES
- CONNECTION — NECK SIZE
- CFM — CFM
- DIFFUSER OR GRILLE TYPE

DUCTWORK LEGEND

- THERMOSTAT
- SENSOR
- CARBON DIOXIDE SENSOR
- THERMOSTAT OR SENSOR WITH GUARD
- DIFFERENTIAL PRESSURE SENSOR
- DUCT STATIC PRESSURE SENSOR
- SNOW/ICE DETECTOR
- SUPPLY AIR UP & DOWN
- RETURN AIR UP & DOWN
- EXHAUST AIR UP & DOWN
- VOLUME DAMPER
- MOTORIZED CONTROL DAMPER
- SOUND LINED DUCTWORK
- DUCT SIZE - EXTERIOR INSULATED (1ST FIGURE-SIDE SHOWN) (2ND FIGURE-SIDE NOT SHOWN) — 12/24
- EXTERNALLY INSULATED DUCTWORK
- TURNING VANES
- FLEXIBLE DUCT
- FIRE DAMPER
- SMOKE DAMPER
- VAV BOX
- COIL IF REQUIRED

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Client
ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

Date	Scale
04/30/2026	

Project No.
M4118.1

Title
MECHANICAL LEGEND AND ABBREVIATIONS

Sheet No.
M001

KITCHEN FIXTURE SCHEDULE

SYMBOL	FIXTURE	MANUFACTURER	MODEL	MOUNTING	CW	HW/TW	WASTE	VENT	TRAP	GAS	TRIM/REMARKS
K-1	FLOOR TROUGH	SEE KITCHEN PLANS	SEE KITCHEN PLANS	FLOOR	--	--	4"	--	--	--	--
K-25	FLOOR TROUGH	SEE KITCHEN PLANS	SEE KITCHEN PLANS	FLOOR	--	--	4"	--	--	--	--
K-27	FLOOR TROUGH	SEE KITCHEN PLANS	SEE KITCHEN PLANS	FLOOR	--	--	4"	--	--	--	--
K-28	HOSE REEL	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	--	--	--	--	--	--	--
K-30	FLOOR TROUGH	SEE KITCHEN PLANS	SEE KITCHEN PLANS	FLOOR	1/2"	1/2"	--	--	--	--	--
K-33	ONE-COMP SINK	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	--	--	3-1/2"	--	--	--	--
K-36	FLOOR TROUGH	SEE KITCHEN PLANS	SEE KITCHEN PLANS	FLOOR	--	--	4"	--	--	--	--
K-37	HAND SINK	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	1/2"	1/2"	1-1/2"	--	--	--	--
K-40	PREP SINK	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	1/2"	1/2"	2"	--	--	--	--
K-56	HAND SINK	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	1/2"	1/2"	1-1/2"	--	--	--	--
K-60	MOP SINK	SEE KITCHEN PLANS	SEE KITCHEN PLANS	FLOOR	1/2"	1/2"	3"	--	--	--	--
K-65	PRE-RINSE SINK	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	1/2"	1/2"	1-1/2"	--	--	--	--
K-70	DISHWASHER	SEE KITCHEN PLANS	SEE KITCHEN PLANS	COUNTER	1/2"	1/2"	2"	--	--	--	--
K-71	3-COMP SINK	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	1/2"	1/2"	3"	--	--	--	--
K-87	COMBI OVEN	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	3/4"	--	--	--	--	--	--
K-89	FLOOR TROUGH	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	--	--	4"	--	--	--	--
K-91	FLOOR TROUGH	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	--	--	4"	--	--	--	--
K-90	TILTING SKILLET	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	1/2"	1/2"	3/4"	--	--	3/4"	--
K-94	POT FILLER	SEE KITCHEN PLANS	SEE KITCHEN PLANS	WALL	1/2"	1/2"	--	--	--	--	--

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	MANUFACTUER	MODEL	MOUNTING	CW	HW/TW	WASTE	VENT	TRAP	REMARKS
GI-1	GREASE INTERCEPTOR	SCHIER	GB-50	FLOOR	--	--	4"	--	--	PROVIDE WITH COVER AND TELESCOPING RISER.
OD-1	OVERFLOW DRAIN	JR SMITH	1045	ROOF	--	--	3"	--	--	PROVIDE WITH CAST IRON DOME AND 2" DAM.
RD-1	ROOF DRAIN	JR SMITH	1015	ROOF	--	--	3"	--	--	PROVIDE WITH CAST IRON DOME.

LIFT STATION SCHEDULE

SYMBOL	MFGR	MODEL	SERVES	LOCATION	TOTAL CAPACITY	CAPACITY PER CYCLE	BASIN		TOTAL HEAD (FT)	SHUTOFF HEAD (FT)	PUMP DATA		# OF PUMPS	POWER		REMARKS
							DIA	HEIGHT			GPM	HP		VOLTS	PH	
LS-1	Liberty Pumps, Inc.	D3648LSG202	KITCHEN ADDITION	LIFT STATION 122	281 gal	2 gal	36"	48"	40	110	50	2	2	208	1	PROVIDE WITH LSG-SERIES DUPLEX GRINDER PUMP PACKAGE AND AE-SERIES PANEL.

MAKE UP AIR UNIT SCHEDULE

SYMBOL	MFGR	HEATING		SUPPLY FAN			ESP IN. W.C.	TSP IN. W.C.	MOTOR DATA				MCA	FILTER RATING	O/A %	REMARKS
		INPUT CFG	OUTPUT MBH	SIZE	TYPE	CFM			# MOTORS	HP	VOLTS	PH				
MAU-1	GREENHECK	2,100	1,932	22	BELT	4,170	0.50	0.99	1	1.5	460	60	5 A	MERV 8	100	INSULATED DOUBLE WALL CONSTRUCTION, CORROSION RESISTANT COATING, SUPPLY FAN AND MOTOR VIBRATION ISOLATORS, BACNET CONTROLLER, VFD PROVIDED BY MFGR, NEMA 3R DISCONNECT PROVIDED BY MFGR, WEATHER HOOD, INSULATED LOW LEAKAGE DAMPERS, DIRECT FIRE GAS BURNER.

FAN SCHEDULE

SYMBOL	MFGR	MODEL	TYPE	SERVICE	CFM	ESP IN W.C.	TSP IN W.C.	RPM	MOTOR DATA				DRIVE	SONES	REMARKS
									HP	VOLTS	Hz	PH			
KEF-1	GREENHECK	CUE-140-A	CENTRIFUGAL	KITCHEN ADDITION	1,953		0.93	1464	1	460	60	3	DIRECT	12	UPBLAST, UL 705 LISTED, HINGED BASE, GREASE TRAP, NEMA 3R SWITCH PROVIDED BY MFGR.
KEF-2	GREENHECK	CUE-160-A	CENTRIFUGAL	KITCHEN ADDITION	2,219		0.99	1180	1	460	60	3	DIRECT	13.9	UPBLAST, UL 705 LISTED, HINGED BASE, GREASE TRAP, NEMA 3R SWITCH PROVIDED BY MFGR.

AIR INLET/OUTLET SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	USE	FACE MATERIAL	FINISH	CFM	SIZE (IN)	NC	THROW	REMARKS
A	GREENHECK	HLC-LFD-AL	CEILING	SUPPLY	PER ARCH	PER ARCH	PER PLANS	PER PLANS	--	--	REMOVABLE PERFORATED FACE PANEL.

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Project Manager	B. KLUG	Project Director	

Client
ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

Date **04/30/2026**
Scale

Project No. **M4118.1**

Title
MECHANICAL SCHEDULES

Sheet No. **M002**

GENERAL NOTES:

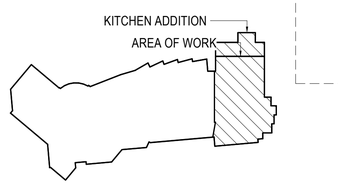
A. ALL ROOFTOP EQUIPMENT TO BE LOCATED MINIMUM 10' FROM INTERIOR PARAPET WALL.

B. NOTE 2

C. SEE ARCHITECTURAL AND STRUCTURAL SHEETS FOR CU CURB DETAIL.

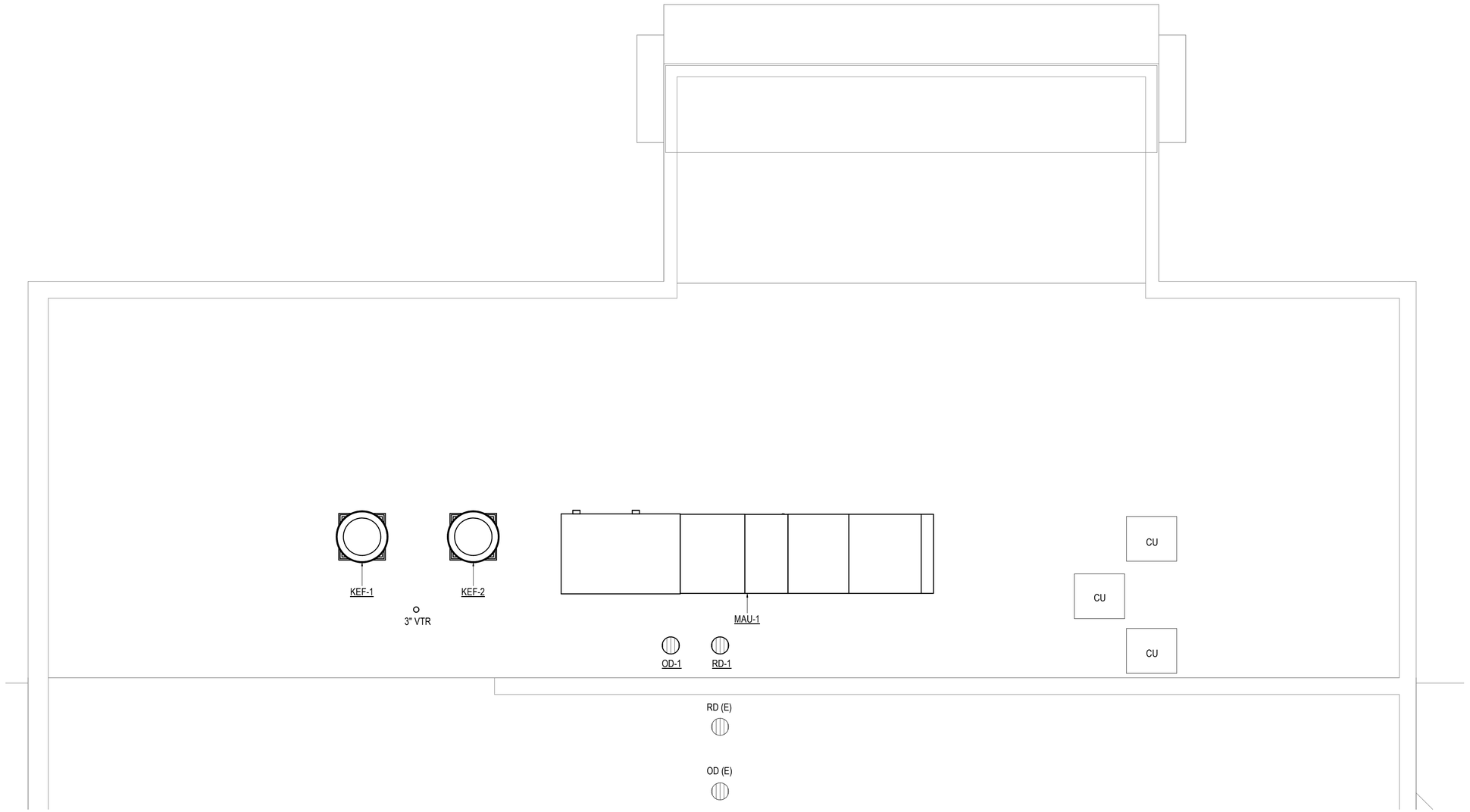
SHEET NOTES:

1. NOTE 1
2. NOTE 2
3. NOTE 3



KEYPLAN

NOT TO SCALE



1 MECHANICAL ROOF AND SITE PLAN

3/8" = 1'-0"

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Project

ANHC SUBSISTENCE KITCHEN

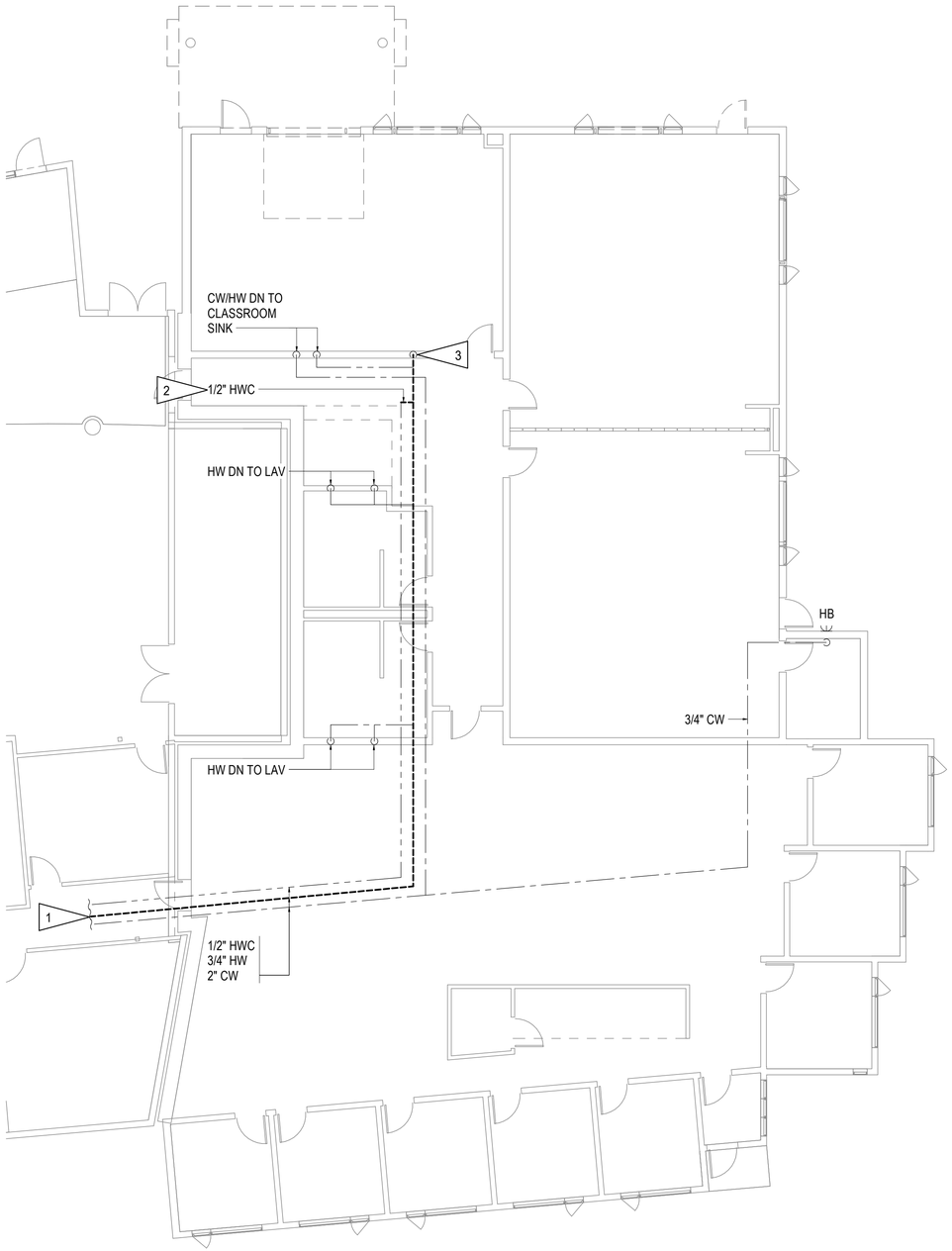
Date	Scale
04/30/2026	

Project No.
M4118.1

Title

MECHANICAL ROOF AND SITE

Sheet No.
M003



1 ABOVE FLOOR PLUMBING DEMOLITION PLAN
1/8" = 1'-0"

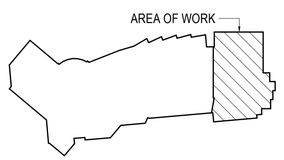
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THESE PLANS FOR EXISTING CONDITIONS IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE INVESTIGATION OF THE FACILITY. THE INFORMATION SHOWN FOR EXISTING CONDITIONS MAY OR MAY NOT BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEM SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. BOLD AND DASHED LINES INDICATE ITEMS TO BE DEMOLISHED. THIN AND SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

SHEET NOTES:

1. DEMOLISH 150' OF 3/4" HW PIPING BACK TO 1" HW TRANSITION. HW PIPING SERVING BATHROOM GROUP AND VISUAL ARTS CLASSROOM SINK TO REMAIN FOR RECNNECTION.
2. DEMOLISH SECTION OF 1/2" HWC PIPING CONNECTING TO 3/4" HW AS SHOWN ON PLANS.
3. HW PIPING DN TO EYEWASH TO REMAIN FOR RECONNECTION.



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Project Manager	B. KLUG	Project Director	

Client
ALASKA NATIVE HERITAGE CENTER

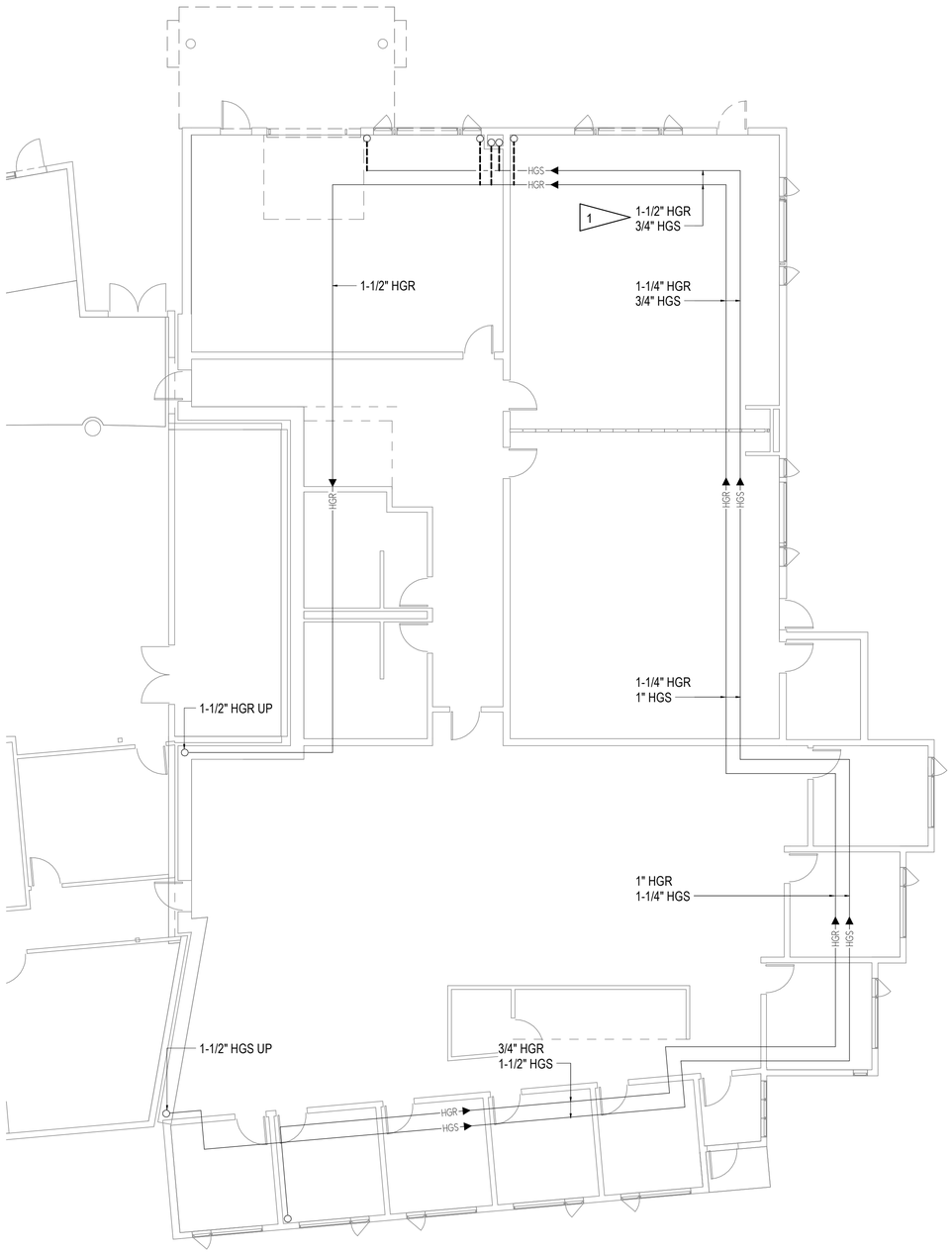
Project
ANHC SUBSISTENCE KITCHEN

Date	Scale
04/30/2026	

Project No.
M4118.1

Title
ABOVE FLOOR PLUMBING DEMOLITION

Sheet No.
M101



1 UNDERFLOOR HEATING DEMOLITION PLAN

1/8" = 1'-0"

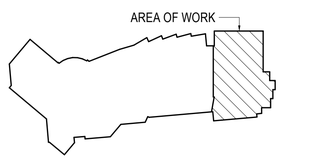
GENERAL NOTES:

A. THE INFORMATION SHOWN ON THESE PLANS FOR EXISTING CONDITIONS IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE INVESTIGATION OF THE FACILITY. THE INFORMATION SHOWN FOR EXISTING CONDITIONS MAY OR MAY NOT BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEM SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. BOLD AND DASHED LINES INDICATE ITEMS TO BE DEMOLISHED. THIN AND SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

SHEET NOTES: <#>

1. DEMOLISH HGS/R PIPING TO EXTENT SHOWN. REMAINING HGS/R PIPING TO BE RECONFIGURED TO ACCOMODATE KITCHEN ADDITION.



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ANHC SUBSISTENCE KITCHEN

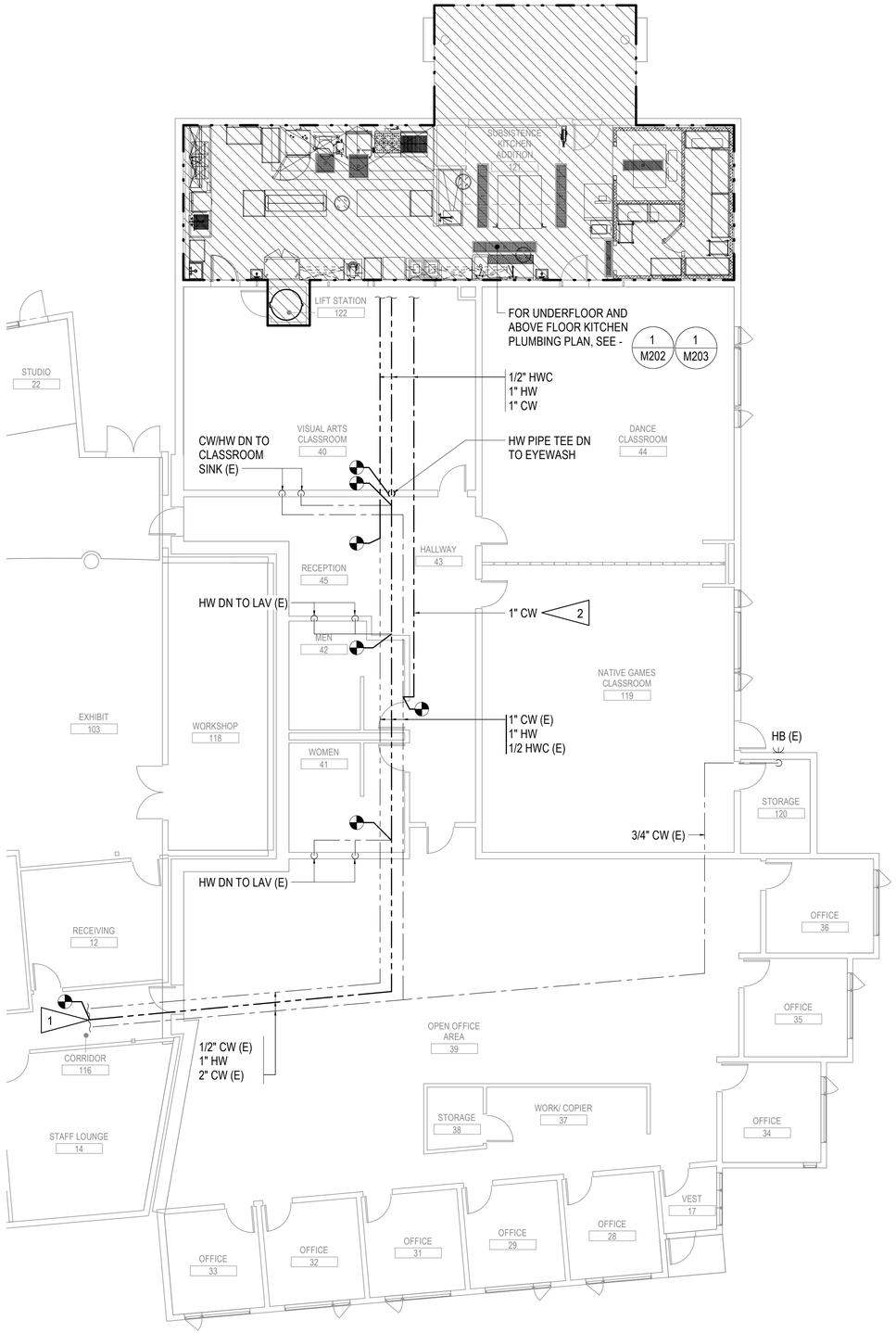
Date	Scale
04/30/2026	

Project No.
M4118.1

Title

UNDERFLOOR HEATING DEMOLITION

Sheet No.
M102



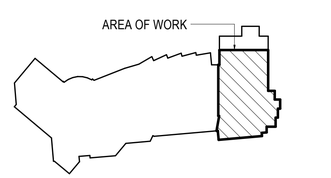
1 ABOVE FLOOR PLUMBING REMODEL PLAN
1/8" = 1'-0"

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THESE PLANS FOR EXISTING ARE TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN.

SHEET NOTES:

1. PROVIDE 150' OF 1" HW PIPING AND EXTEND TO SERVE KITCHEN ADDITION. RECONNECT HW PIPING SERVING BATHROOM GROUP AND VISUAL ART CLASSROOM SINK.
2. CONNECT TO EXISITING 1" CW AND PROVIDE 1" CW TO SERVE KITCHEN ADDITION.



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Project
ANHC SUBSISTENCE KITCHEN

Date: **04/30/2026**
Scale:
Project No.: **M4118.1**

Title
ABOVE FLOOR PLUMBING REMODEL

Sheet No.
M201

GENERAL NOTES:

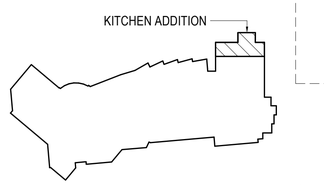
A. NOTE 1

B. NOTE 2

C. NOTE 3

SHEET NOTES:

1. NOTE 1
2. NOTE 2
3. NOTE 3



KEYPLAN

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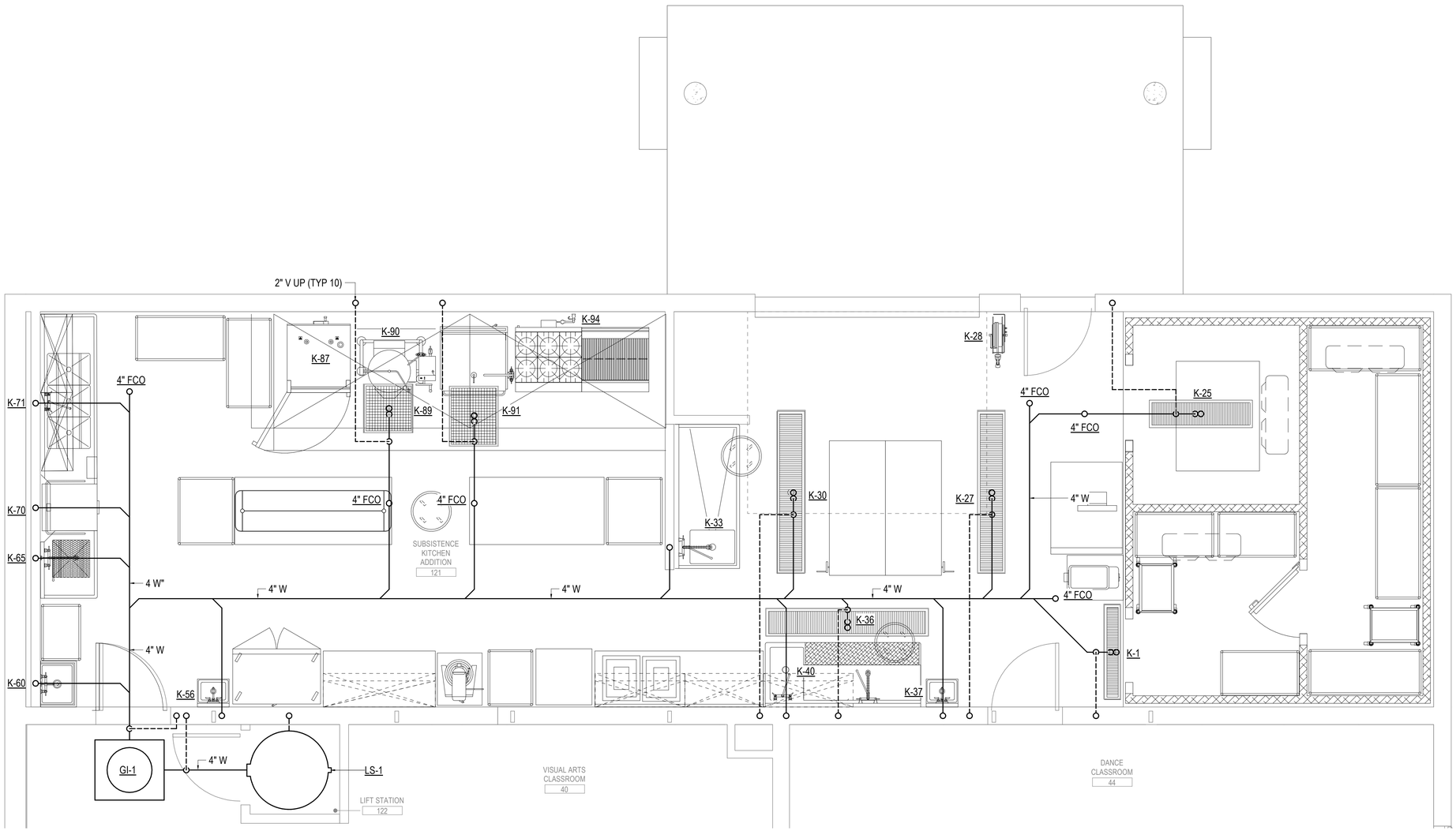

1 KITCHEN - UNDERFLOOR PLUMBING PLAN

3/8" = 1'-0"

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ALASKA NATIVE HERITAGE CENTER

Project

ANHC SUBSISTENCE KITCHEN

Date: **04/30/2026**

Scale:

Project No.: **M4118.1**

Title

KITCHEN UNDERFLOOR PLUMBING

Sheet No.: **M202**

GENERAL NOTES:

A. NOTE 1

B. NOTE 2

C. NOTE 3

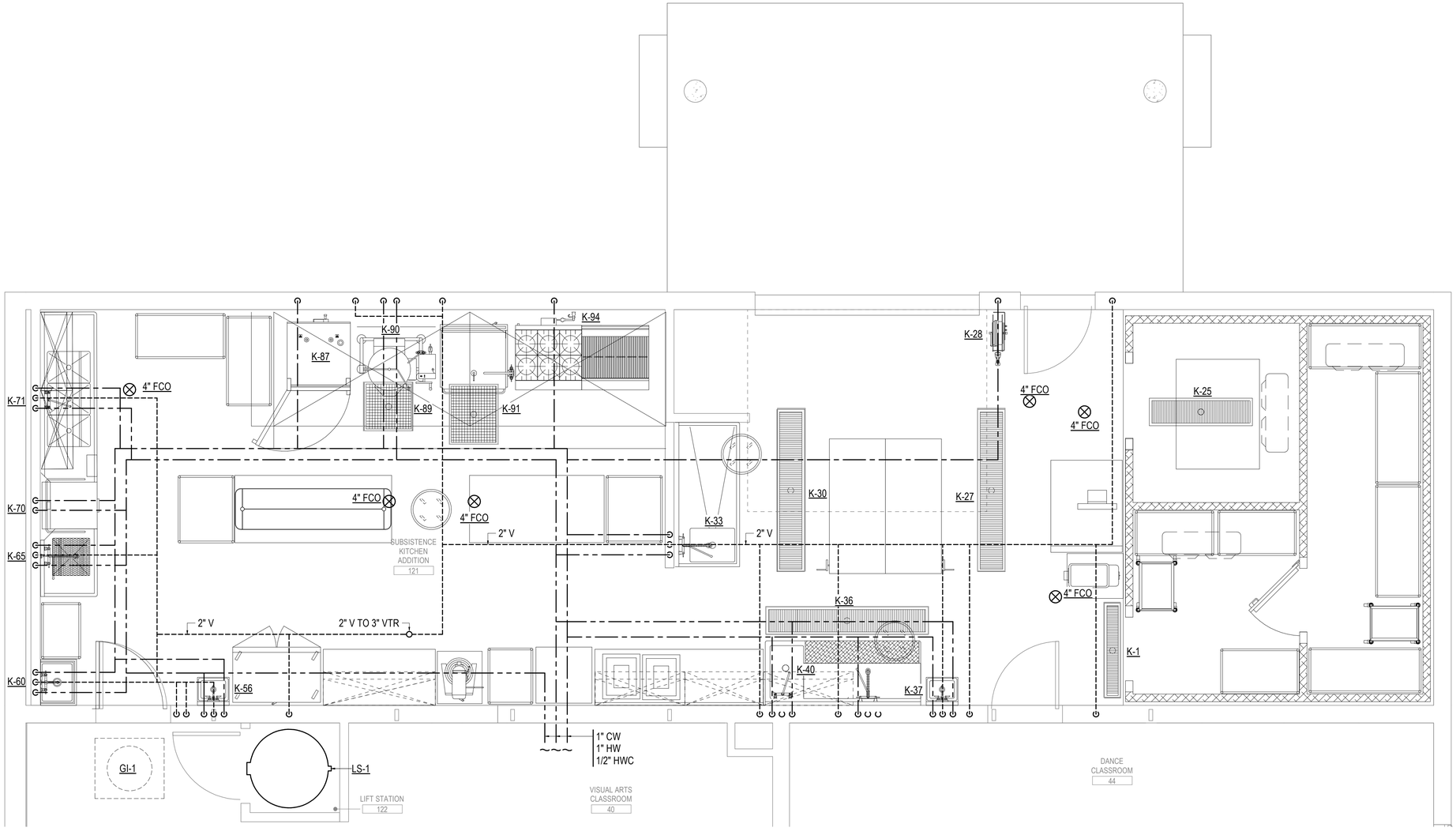
SHEET NOTES:

1. NOTE 1
2. NOTE 2
3. NOTE 3



KEYPLAN

NOT TO SCALE



1 KITCHEN - ABOVE FLOOR PLUMBING PLAN

3/8" = 1'-0"

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Project

ANHC SUBSISTENCE KITCHEN

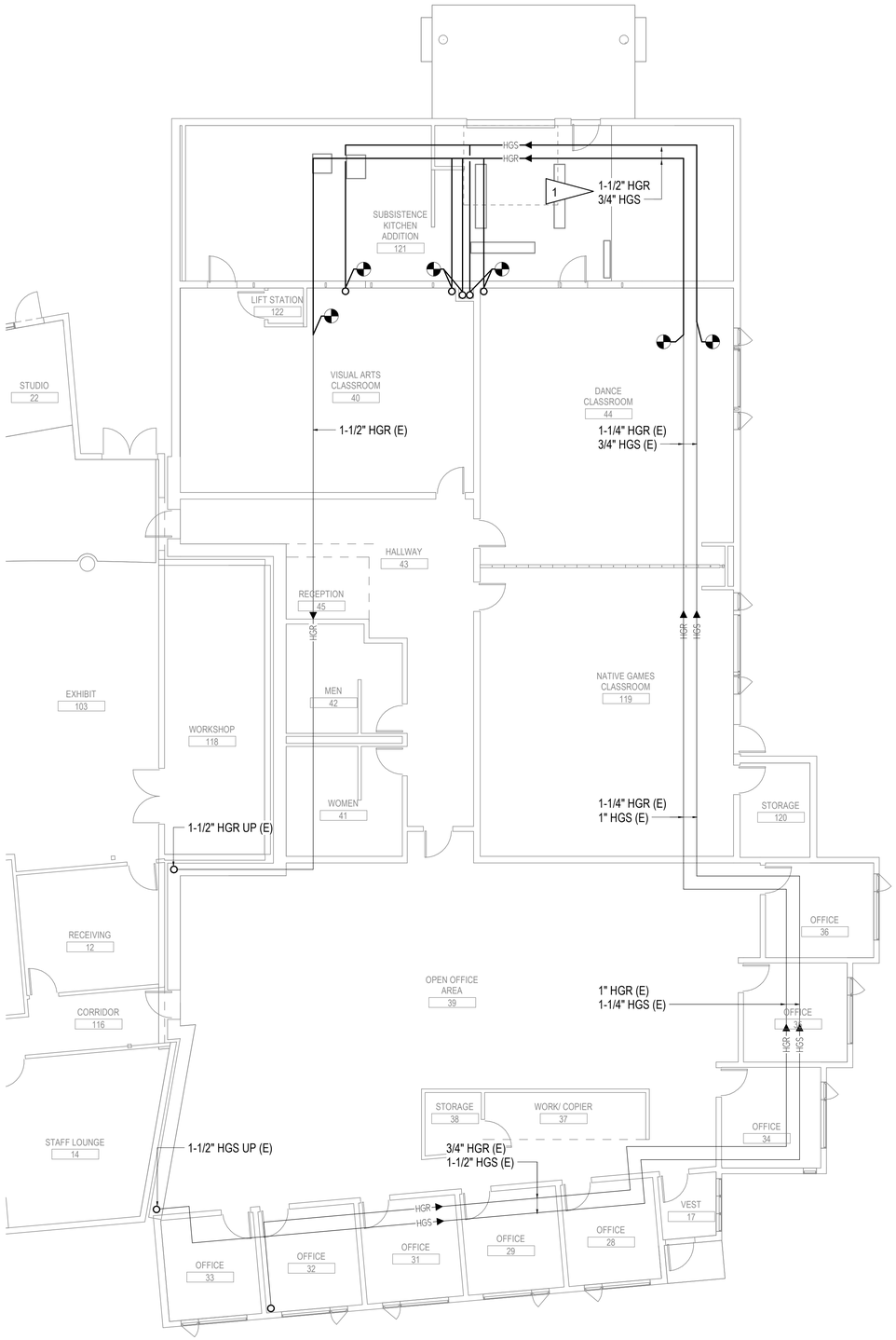
Date	Scale
04/30/2026	

Project No.
M4118.1

Title

KITCHEN ABOVE FLOOR PLUMBING

Sheet No.
M203



1 UNDERFLOOR HEATING REMODEL PLAN

1/8" = 1'-0"

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THESE PLANS FOR EXISTING ARE TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN.

SHEET NOTES:

1. PROVIDE HGS/R. RECONNECT TO EXISTING HGS/R SERVING ABOVE FLOOR BASEBOARD.

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Drafting Check	BK	Design Check	MRB
Project Manager	B. KLUG	Project Director	

Client
ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

Date **04/30/2026**
Scale

Project No. **M4118.1**

Title
UNDERFLOOR HEATING REMODEL

Sheet No. **M301**

GENERAL NOTES:

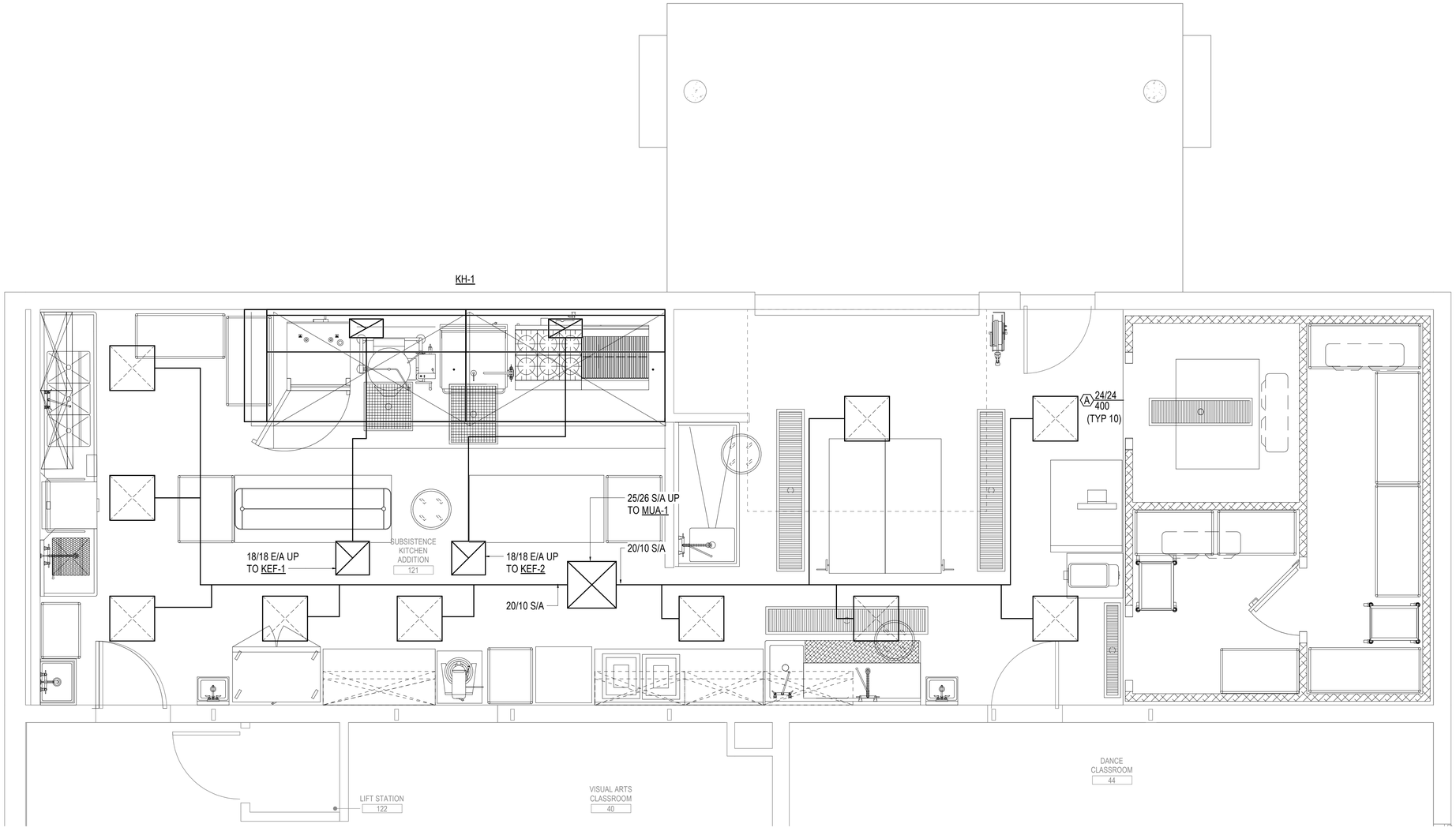
A. NOTE 1

B. NOTE 2

C. NOTE 3

SHEET NOTES:

1. NOTE 1
2. NOTE 2
3. NOTE 3



1 KITCHEN - HVAC PLAN

3/8" = 1'-0"

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Project Manager	B. KLUG	Project Director	

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Project

ANHC SUBSISTENCE KITCHEN

Date: **04/30/2026**

Scale:

Project No.: **M4118.1**

Title

KITCHEN HVAC

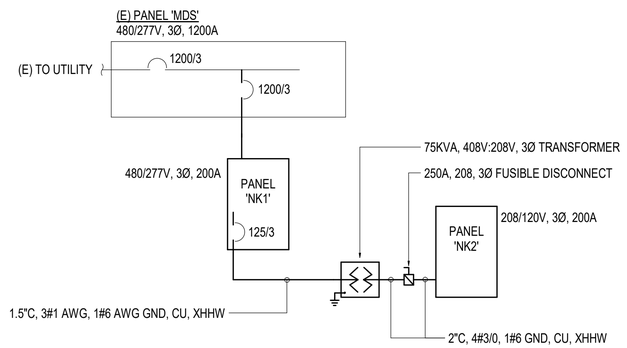
Sheet No.: **M401**

ELECTRICAL LEGEND

○	ROUND LIGHT FIXTURE - PENDANT OR SURFACE MTD CLG		COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER
	LIGHT FIXTURE - SURFACE MTD ON WALL	VFD	VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT
◎	LIGHT FIXTURE - RECESSED DOWNLIGHT		DUPLEX RECEPTACLE TO BE REMOVED (DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED TYPICAL)
, ⊗	EMERGENCY EXIT SIGN - SURFACE MTD CLG, EXISTING	1	NOTE TAG (No. INDICATES NOTE)
, ⊗	EMERGENCY EXIT SIGN - SURFACE MTD WALL, EXISTING	XX-XX	CIRCUIT TAG (No. INDICATES CIRCUIT)
,	EMERGENCY LIGHT - SURFACE MTD WALL, EXISTING	X	EQUIPMENT TAG (No. INDICATES TYPE)
	LINEAR EMERGENCY FIXTURE	AFF	ABOVE FINISHED FLOOR
	LINEAR LIGHT FIXTURE - RECESSED MTD	AFG	ABOVE FINISHED GRADE
	LINEAR LIGHT FIXTURE - SURFACE MTD CLG	C	CONDUIT
	STRIPLIGHT - PENDANT OR SURFACE MTD CLG	CO	CONDUIT ONLY
A	FIXTURE TAG (LETTER INDICATES TYPE)	CLG	DENOTES ITEM LOCATED ON THE CEILNG
$	SINGLE POLE SWITCH	E	DENOTES EXISITNG ITEM
$3 , $4	THREE WAY SWITCH, FOUR WAY SWITCH	EM	DENOTES EMERGENCY POWER
$D	DIMMER SWITCH	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	CONDUIT, CONCEALED	GRSC	GALVANIZED RIGID STEEL CONDUIT
#10	NUMBER AND SIZE OF WIRES (NO MARKS = 3 #12)	K	KELVIN
A-2	HOMERUN TO PANEL (PANEL AND CIRCUIT No.)	LED	LIGHT EMITTING DIODE
	PANEL	LM	LUMENS
	DUPLEX RECEPTACLE	MCB	MAIN CIRCUIT BREAKER
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER	MLO	MAIN LUGS ONLY
	SPECIAL PURPOSE OUTLET	NEC	NATIONAL ELECTRICAL CODE
J	JUNCTION BOX	NTS	NOT TO SCALE
	MOTOR (SIZED AS SHOWN)	R	DENOTES EXISTING ITEM THAT HAS BEEN RELOCATED
$T	FRACTIONAL HORSEPOWER MOTOR STARTER	TYP	TYPICAL
	DISCONNECT SWITCH	UON	UNLESS OTHERWISE NOTED
	DISCONNECT SWITCH (FUSED)	WP	WEATHERPROOF

LIGHT FIXTURE SCHEDULE

TYPE	LOCATION	MANUFACTURER AND CATALOG NUMBER (OR APPROVED EQUAL)	LUMINAIRE DESCRIPTION	MOUNTING		LAMPS	BALLAST/DRIVER	TOTAL INPUT WATTS
				TYPE	HEIGHT			
A	AS SHOWN	TBD	2X4 FLAT PANEL	RECESSED	CEILING	4000K LED XXXXLM	120/277V, 0-10V DIMMING DOWN TO 1%	TBD
B	AS SHOWN	TBD	2' STRIP LIGHT	SURFACE	CEILING	4000K LED XXXXLM	120/277V, 0-10V DIMMING DOWN TO 1%	TBD
C	AS SHOWN	TBD	SQUARE CANOPY LIGHT	SURFACE	CEILING	4000K LED XXXXLM	120/277V, 0-10V DIMMING DOWN TO 1%	TBD
D	AS SHOWN	TBD	WALL PACK	WALL	9'-6" AFF	4000K LED XXXXLM	120/277V, 0-10V DIMMING DOWN TO 1%	TBD
EM	AS SHOWN	TBD	TWIN HEAD EMERGENCY LIGHT	WALL	7'-6" AFF	TBD	120/277V	TBD
X	AS SHOWN	TBD	EXIT LIGHT	SURFACE	CEILING	N/A	120/277V	TBD



1 PARTIAL POWER ONE-LINE
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Author	**NVF,SB**	Designer	**NVF,SB**
Drafting Check		Design Check	**SB**
Project Manager	**SB**	Project Director	

Client
ALASKA NATIVE HERITAGE CENTER

Project
ANHC SUBSISTENCE KITCHEN

Date	Scale
04/30/2026	

Project No.
M4118.1

Title
ELECTRICAL LEGEND, FIXTURE SCHEDULE AND PARTIAL ONE-LINE

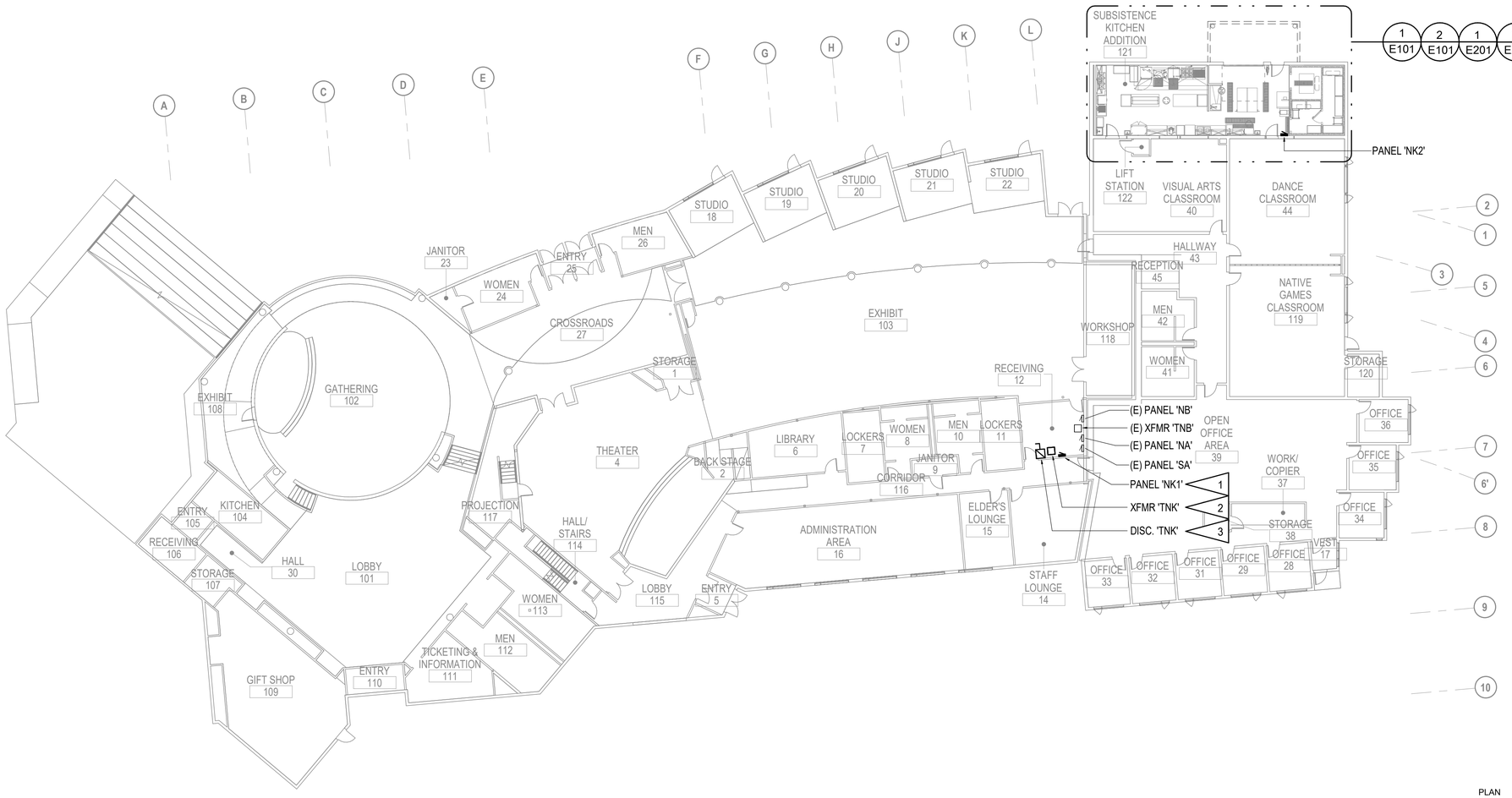
Sheet No.
E001

GENERAL NOTES:

A. GENERAL NOTE A.

SHEET NOTES:

1. PROVIDE NEW 125A CIRCUIT BREAKER IN AVAILABLE SPACE IN EXISTING SWITCHBOARD. FEED PANEL 'NK1' FROM THIS CIRCUIT BREAKER.
2. PROVIDE NEW 75KVA 480/277:208/120 XFMR 'TNK1'. FEED PRIMARY SIDE FROM PANEL 'NK'. SECONDARY FEED SHALL TERMINATE AT 250A FUSED DISCONNECT.
3. PROVIDE FEEDER TO PANEL 'NK2'. SEE 2/E201.



1 ELECTRICAL REFERENCE PLAN
1/16" = 1'-0"

TRUE NORTH
PLAN NORTH

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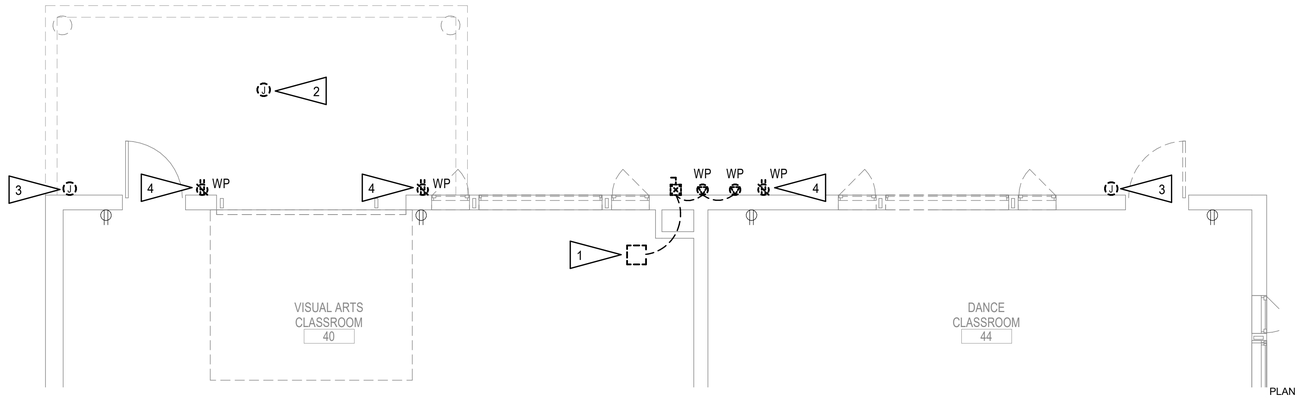
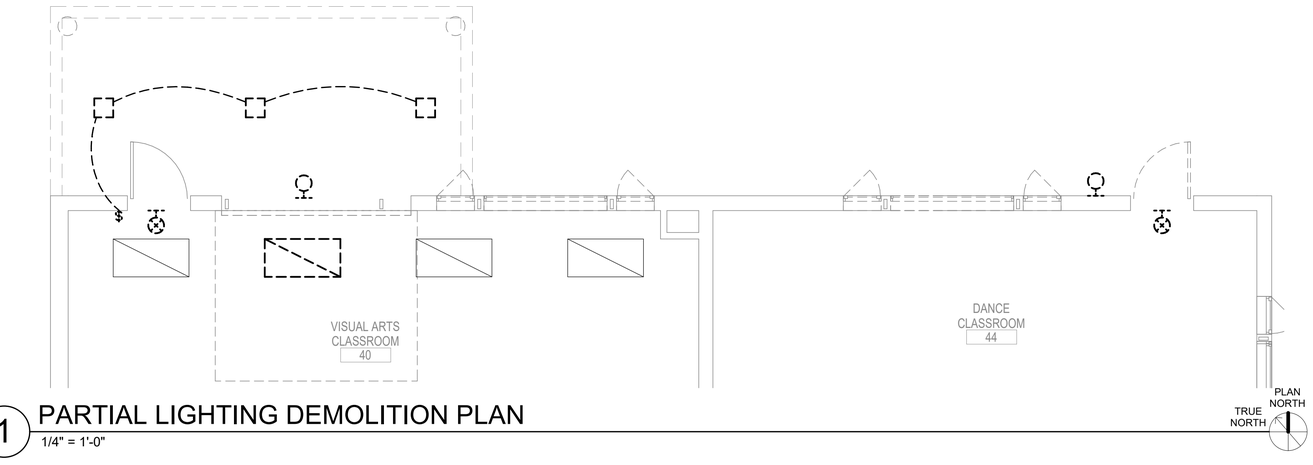
Title
ELECTRICAL REFERENCE PLAN

Sheet No.
E002



2 PARTIAL POWER DEMOLITION PLAN

1/4" = 1'-0"



1 PARTIAL LIGHTING DEMOLITION PLAN

1/4" = 1'-0"

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

SHEET NOTES:

1. REMOVE AND STORE FOR RELOCATION THE FOLLOWING EQUIPMENT AND DEVICES: TRANSFORMER, DISCONNECT, AND THE TWO SPECIAL RECEPTACLES. SALVAGE CIRCUIT FOR NEW LOCATION. SEE 2/E201.

2. CONNECTION FOR CONTROL TRANSFORMER FOR MECHANICAL FIN-TUBE RADIATION ZONE VALVE CONTROL IN HEATED SOFFIT. REMOVE AND STORE FOR RELOCATION. SEE 2/E201.

3. JUNCTION BOX FOR FUTURE VIDEO CAMERA. REMOVE AND STORE FOR RELOCATION. SEE 2/E201.

4. DEMOLISH WIRE AND CONDUIT BACK TO NEXT AVAILABLE JUNCTION BOX.

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04/30/2026	

Project No.
M4118.1

Title
PARTIAL ELECTRICAL DEMOLITION PLANS

Sheet No.
E101

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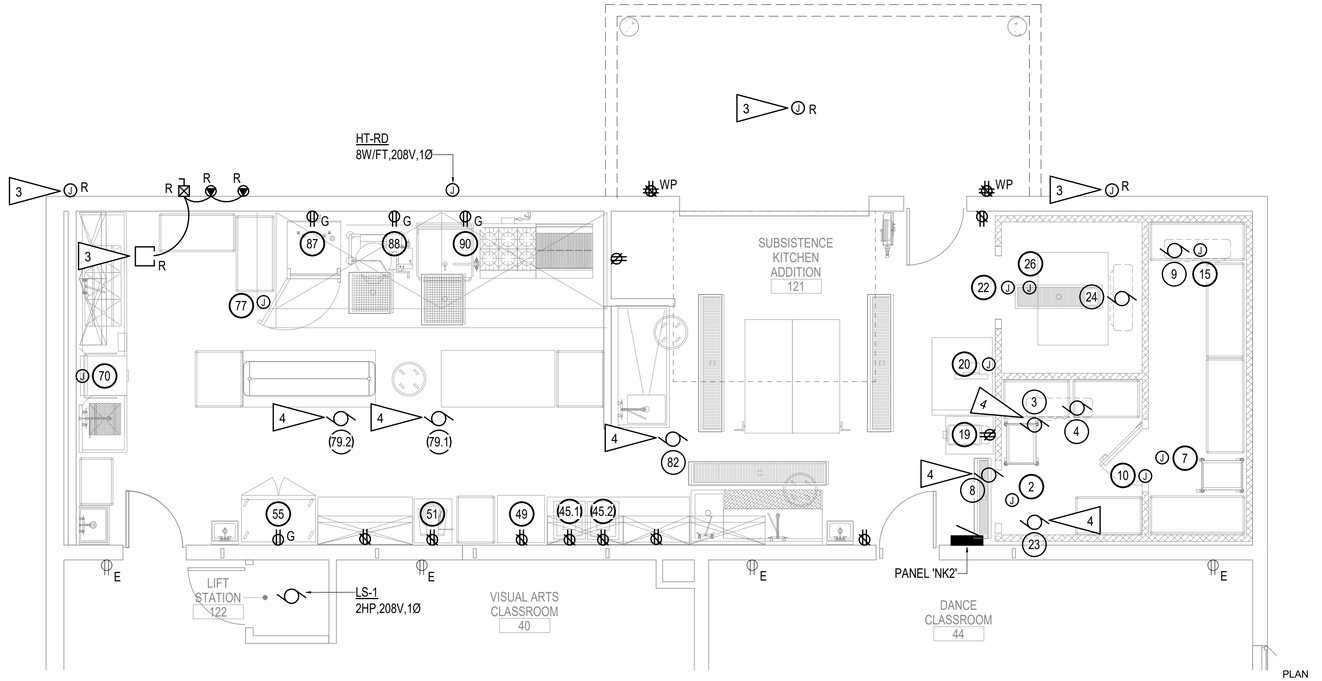
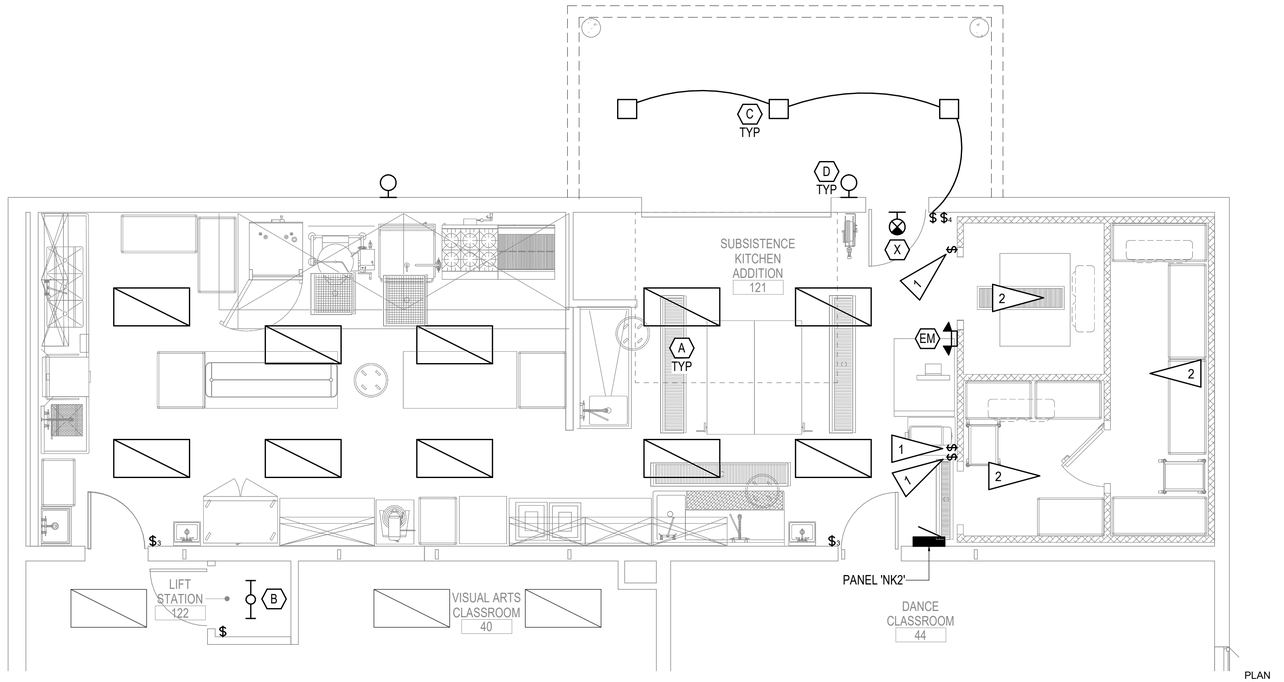


2 PARTIAL POWER REMODEL PLAN

1/4" = 1'-0"



1 PARTIAL LIGHTING REMODEL PLAN

1/4" = 1'-0"

GENERAL NOTES:

A. SEE E202 FOR KITCHEN EQUIPMENT SCHEDULE.

SHEET NOTES:

1. LIGHT SWITCH PROVIDED WITH WALK-IN UNIT.
2. LIGHT PROVIDED WITH WALK-IN UNIT.
3. PROVIDE CONNECTION TO SALVAGED CIRCUIT TO ALL RELOCATED EQUIPMENT.
4. LOCATED ON ROOF ABOVE. COORDINATE WITH MECHANICAL FOR FINAL LOCATION.

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M4118.1

Title
PARTIAL ELECTRICAL REMODEL PLANS

Sheet No.
E201

KITCHEN EQUIPMENT SCHEDULE

ITEM NO.	EQUIPMENT DESCRIPTION	LOAD			VOLTS	PHASE	PLUG	DIRECT WIRE	ELECTRICAL HEIGHT (INCH)	CONDUIT	WIRE	GROUND	REMARKS
		AMPS	KW	HP									
2	WALK-IN COOLER	3.0	-	-	120	1	-	X		0.5"	2#12	1#12	FOR LIGHTS?
3	REMOTE REFRIGERATION SYSTEM	15.0	-	-	208	3	-	X					
4	COOLER EVAPORATOR COIL	0.9	-	-	120	1	-	X		0.5"	2#12	1#12	
7	WALK-IN FREEZER	3.0	-	-	120	1	-	X		0.5"	2#12	1#12	FOR LIGHTS?
8	FREEZER CONDENSING UNIT	15.0	-	-	208	3	-	X					
9	FREEZER EVAPORATOR COIL	9.1	-	-	208	1	-	X					
10	DEFROST HEATER SYSTEM	15.0	-	-	120	1	???	???		0.5"	2#12	1#12	
15	HEAT TRACE TAPE	3.0	-	-	120	1	???	???		0.5"	2#12	1#12	NOT IN CMA CONTRACT
19	EXISTING MEAT GRINDER	-	-	1.5	120	1	X	-		0.5"	2#12	1#12	PROVIDE 5-15P CORD AND PLUG
20	MEATBONE SAW, ELECTRIC	3.0	-	3	208	3	-	X					
22	WALK-IN COOLER	3.0	-	-	120	1	-	X		0.5"	2#12	1#12	FOR LIGHTS?
23	COOLER CONDENSING UNIT	15.0	-	-	208	3	-	X					
24	COOLER EVAPORATOR COIL	0.9	-	-	120	1	-	X		0.5"	2#12	1#12	
26	HOOK AND RAIL CARCASS SYSTEM	?	?	?	120	1	-	X		0.5"	2#12	1#12	NO POWER REQD?
45.1	EXISTING FOOD PACKAGING MACHINE	13.0	-	-	120	1	X	-		0.5"	2#12	1#12	
45.2	EXISTING FOOD PACKAGING MACHINE	13.0	-	-	120	1	X	-		0.5"	2#12	1#12	
49	EXISTING DEHYDRATOR	-	5	-	208	1	X	-		0.5"	2#12	1#12	CORD AND PLUG. 208V
51	PLANETARY MIXER	6.0	-	-	120	1	X	-		0.5"	2#12	1#12	PROVIDE 5-15P CORD AND PLUG
55	REACH-IN REFRIGERATOR	3.7	-	-	120	1	X	-		0.5"	2#12	1#12	PROVIDE 5-15P CORD AND PLUG
70	DISHWASHER, DOOR TYPE	10.0	-	-	120	1		X		0.5"	2#12	1#12	
77	CLASS 1 EXHAUST HOOD	3.0	-	-	120	1	-	X		0.5"	2#12	1#12	INCLUDES POWER FOR CONTROLS/LIGHTS
79.1	EXHAUST FAN	4.6	-	-	480	3	-	X					VFD AT CONTROL PANEL
79.2	EXHAUST FAN	4.6	-	-	480	3	-	X					VFD AT CONTROL PANEL
82	MAKE UP AIR / CONDITIONING UNIT	4.9	-	-	480	3	-	X					PROVIDE VFD?
84	FIRE SUPRESSION SYSTEM	15.0	-	-	120	1	-	X		0.5"	2#12	1#12	INTERCONNECT WITH SHUNT TRIP AND FACP, GC
85	ELECTRIC GAS SHUT OFF VALVE	3.0	-	-	120	1	-	X		0.5"	2#12	1#12	GC FURNISHED AND INSTALLED
86	HOOD SYSTEM CONTROLS	?	?	?	?	?	???	???		0.5"	2#12	1#12	
87	COMBI OVEN, GAS	8.0	-	-	120	1	X	-		0.5"	2#12	1#12	CORD AND PLUG
88	KETTLE, GAS, TILTING	5.0	-	-	120	1	X	-		0.5"	2#12	1#12	CORD AND PLUG
90	TILTING SKILLER BRAISING PAN, GAS	1.8	-	-	120	1	X	-		0.5"	2#12	1#12	PROVIDE 5-15P CORD AND PLUG

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Title
ELECTRICAL KITCHEN EQUIPMENT SCHEDULE

Sheet No. **E202**