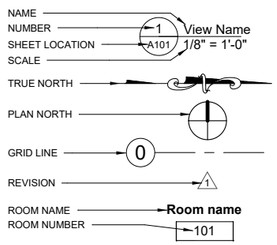
STATE OF ALASKA DOT

STATE TROOPERS DISPATCH CENTER EXPANSION

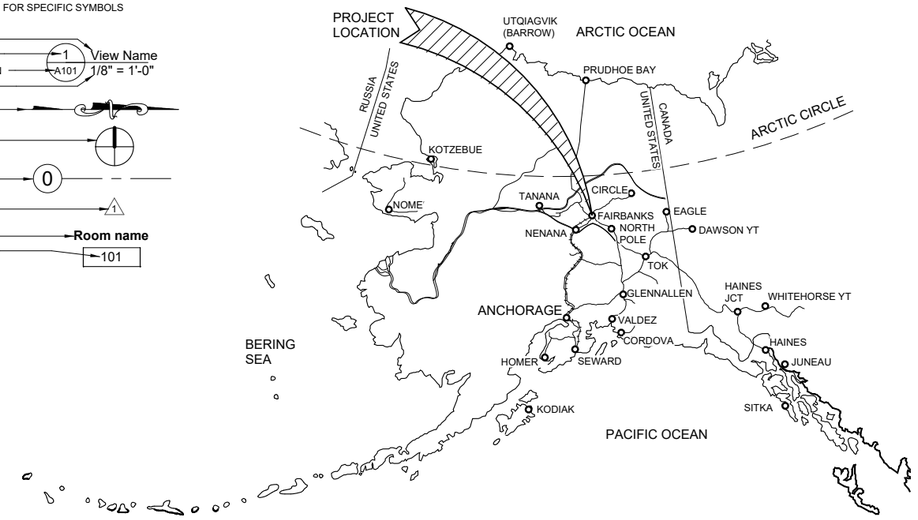
FAIRBANKS, ALASKA

GENERAL SYMBOLS

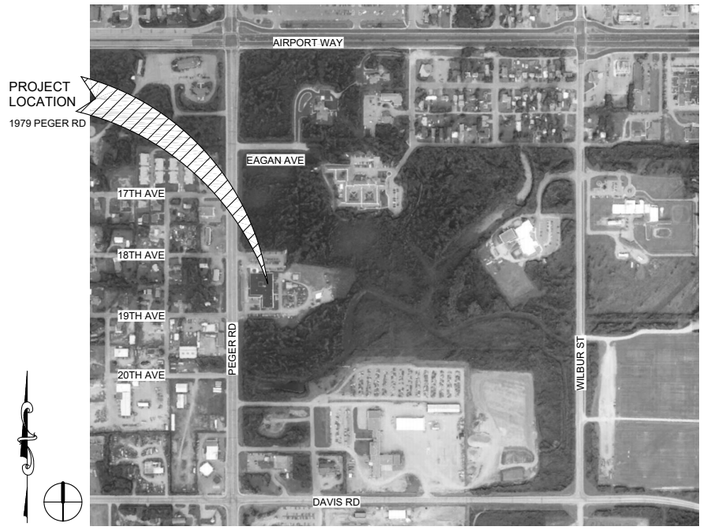
SEE DISCIPLINES FOR SPECIFIC SYMBOLS



ALASKA MAP



VICINITY MAP



PROJECT TEAM

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CODE INFORMATION

GOVERNING CODES
INTERNATIONAL BUILDING CODE (IBC) 2018
INTERNATIONAL FIRE CODE (IFC) 2018
INTERNATIONAL MECHANICAL CODE (IMC) 2018
NATIONAL ELECTRICAL CODE (NEC) 2020
INTERNATIONAL EXISTING BUILDING CODE (IEBC) 2018

AUTHORITY HAVING JURISDICTION
FAIRBANKS NORTH STAR BOROUGH

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STATE OF ALASKA 49 TH
RYAN N. MORSE
23-JUL-2021
No. 107829
REGISTERED PROFESSIONAL ARCHITECT

STATE TROOPERS DISPATCH CENTER EXPANSION

ISSUE DATE	23 JUL 2021
COMM. NUMBER	042101
DESIGNED BY	
DRAWN BY	
SCALE	0" 1"

GENERAL INFORMATION

G001

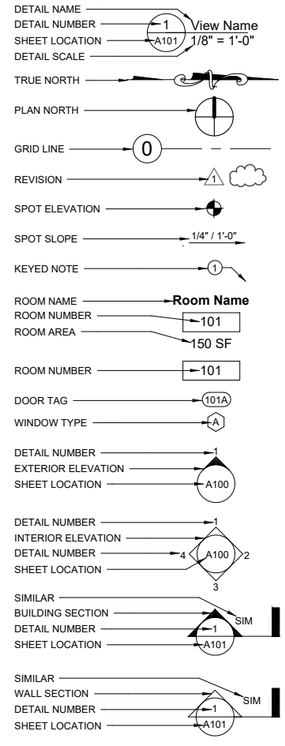
ARCHITECTURAL STANDARD ABBREVIATIONS

1. SEE OTHER DISCIPLINES FOR ADDITIONAL ABBREVIATIONS.
2. SEE GENERAL SHEETS FOR CODE ABBREVIATIONS.
3. SEE ASSEMBLY TYPES FOR HYPHENATED ASSEMBLY TAGS (I.E. C-A1, W01-3A, AND WX-3A).
4. SEE MATERIAL SCHEDULE FOR HYPHENATED MATERIAL TAGS (I.E. ACT-1, CPT-1, AND RB-1).
5. SEE ROOM AND DOOR SCHEDULE FOR SPECIFIC RELEVANT ABBREVIATIONS.
6. SOME ABBREVIATIONS LISTED BELOW MAY NOT BE USED IN THIS PROJECT.

(E)	EXISTING
ADA	AMERICAN DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
ELEC	ELECTRICAL
FV	FIELD VERIFY
GA	GYPSUM ASSOCIATION
GYP	GYPSUM BOARD
IBC	INTERNATIONAL BUILDING CODE
INSUL	INSULATION
ITSP	INSULATED TRANSLUCENT SANDWICH PANEL
MAX	MAXIMUM
MECH	MECHANICAL
MFSD	MANUFACTURER'S STANDARD
MIN	MINIMUM
NIC	NOT IN CONTRACT
OC	ON CENTER
OD	OVERFLOW DRAIN
OFOI	OWNER FURNISHED OWNER INSTALLED
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OSB	ORIENTED STRAND BOARD
OTS	OPEN TO STRUCTURE
PLY	PLYWOOD
RD	ROOF DRAIN
SIP	STRUCTURAL INSULATED PANEL
SPEC	SPECIFICATION
STC	SOUND TRANSMISSION CLASS
STRUC	STRUCTURAL
TBD	TO BE DETERMINED
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
VTR	VENT THROUGH ROOF

ARCHITECTURAL SYMBOL LEGEND

SEE OTHER DISCIPLINES FOR ADDITIONAL SYMBOLS



BUILDING ENVELOPE LEGEND

SEE EXTERIOR ASSEMBLY TYPES, EXTERIOR DETAILS, MATERIAL SCHEDULE, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROJECTS MAY NOT INCLUDE ALL BUILDING ENVELOPE CATEGORIES.

- BE-1 OR 2: FOUNDATION MEMBRANE
- BE-4: INTERIOR AIR/VAPOR BARRIER
- BE-5 OR 6: EXTERIOR AIR/WATER BARRIER
- BE-7,8, OR 9: ROOF UNDERLAY
- BUILDING ENVELOPE COMPONENT
- BUILDING ENVELOPE METAL FLASHING
- DESCRIBES THE DIRECTION OF AIRFLOW IN A VENTED OR VENTILATED ASSEMBLY
- DIRECTION OF DRYING — DESCRIBES THE DIRECTION AN ASSEMBLY WILL DRY. PERMEABLE MATERIALS REQUIRED TO DRY AS SHOWN

MATERIAL LEGEND

- BATT INSULATION
- CONCRETE
- GYPSUM
- PLYWOOD
- EXISTING CONSTRUCTION
- EXISTING CONSTRUCTION DETAIL
- NO ARCHITECTURAL WORK THIS AREA

ARCHITECTURAL SHEET SEQUENCE

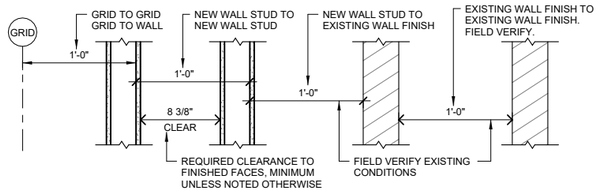
THIS REFERENCE IS INTENDED TO ASSIST WITH THE LOCATION OF INFORMATION IN A TYPICAL PROJECT. THIS PROJECT MAY VARY FROM THE REPRESENTATION BELOW. SEE THE SHEET INDEX FOR SPECIFIC SHEET SEQUENCE.

A0 SHEETS	ARCHITECTURAL INFORMATION
A1 SHEETS	ARCHITECTURAL DEMOLITION
A2 SHEETS	FLOOR AND ROOF PLANS
A3 SHEETS	EXTERIOR ELEVATIONS (NOT USED)
A4 SHEETS	SECTIONS AND VERTICAL CIRCULATION (NOT USED)
A5 SHEETS	EXTERIOR DETAILS AND ASSEMBLIES
A6 SHEETS	INTERIOR PLANS
A7 SHEETS	INTERIOR ELEVATIONS
A8 SHEETS	INTERIOR DETAILS AND ASSEMBLIES (NOT USED)
A9 SHEETS	SCHEDULES

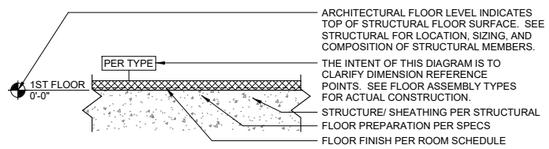
THE TWO CHARACTER ALPHANUMERIC DESIGNATIONS REPRESENT ALL SHEETS IN THE SERIES. FOR EXAMPLE, 'A1 SHEETS' DESCRIBES A100 THROUGH A199.

ARCHITECTURAL NOTES

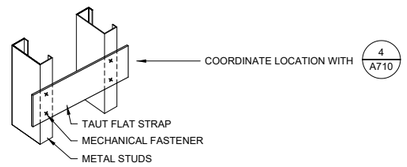
A. ARCHITECTURAL NOTES CONVEY INTENT OF WORK COMPRISING THE ENTIRE ARCHITECTURAL DISCIPLINE.
B. SHEET NOTES CONVEY INTENT OF WORK COMPRISING THE ENTIRE SHEET ON WHICH THE NOTES APPEAR INCLUDING SHEETS ON WHICH THE NOTES ARE REFERENCED.
C. CONSTRUCTION DOCUMENTS ARE PREPARED FOR THE PURPOSES OF COMMUNICATING DESIGN INTENT.
D. DRAWINGS ARE GRAPHIC REPRESENTATIONS INTENDED TO CONVEY THE QUANTITATIVE EXTENT AND RELATIONSHIP BETWEEN ELEMENTS.
E. SPECIFICATIONS ARE WRITTEN REPRESENTATIONS INTENDED TO CONVEY THE QUALITATIVE REQUIREMENTS OF PROJECT ELEMENTS.
F. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND FINISHED PRODUCT FULFILLING THE INTENT OF THE CONSTRUCTION DOCUMENTS.
G. THE TERM 'NEW' MAY BE USED TO DISTINGUISH NEW FROM EXISTING IN SOME INSTANCES. OMISSION OF THE TERM 'NEW' IS NOT NECESSARILY AN INDICATION THAT THE ELEMENT IS EXISTING.
H. THE TERM 'ALL' MAY BE USED TO CLARIFY SCOPE. OMISSION OF THE TERM 'ALL' IS NOT NECESSARILY AN INDICATION THAT THE SCOPE IS LIMITED.
I. SEE GENERAL CODE INFORMATION.
J. PROVIDE CONSTRUCTION IN COMPLIANCE WITH OSHA.
K. COORDINATE ARCHITECTURAL WORK WITH MECHANICAL, ELECTRICAL, AND OTHER DISCIPLINES.
L. FURNITURE IS SHOWN FOR COORDINATION PURPOSES ONLY. FURNITURE IS OWNER FURNISHED AND OWNER INSTALLED UNLESS NOTED OTHERWISE.
M. PATCH, REPAIR, AND REFINISH EXISTING SURFACES TO REMAIN, AFFECTED BY WORK.
N. FIELD VERIFY DIMENSIONS SHOWN TO EXISTING CONSTRUCTION PRIOR TO WORK. NOTIFY ARCHITECT WHERE DISCREPANCIES ARE DISCOVERED.
O. DIMENSIONS AT EXISTING CONSTRUCTION ARE MEASURED FROM FACE OF EXISTING FINISH UNLESS NOTED OTHERWISE.
P. DIMENSIONS AT NEW CONSTRUCTION ARE MEASURED FROM FACE OF FRAMING UNLESS NOTED OTHERWISE.
Q. CONFIRM DIMENSIONS INDICATED WITH 'FIELD VERIFY' AND/ OR 'FV' PRIOR TO WORK.
R. DIMENSIONS INDICATED AS 'CLEAR' REQUIRE MINIMUM CLEARANCE MEASURED TO FINISHED FACES, UNLESS NOTED OTHERWISE.
S. DIMENSIONS INDICATED WITH '+/-' ARE INTENDED TO BRING THE CONTRACTORS ATTENTION TO AREAS WITH FLEXIBILITY GREATER THAN ADJACENT AREAS NOT OTHERWISE INDICATED.
T. SEE SPECIFICATIONS FOR ALLOWABLE TOLERANCES.
U. CONFIRM MANUFACTURERS INSTRUCTIONS CONFORM TO SPECIFIED TOLERANCES.
V. SEE DETAILS FOR DIMENSION AND LEVEL REFERENCE POINTS. (1/A001) (2/A001)



1 / A001 INTERIOR DETAIL - FRAMING - DIMENSION REFERENCE POINT CONVENTIONS
1 1/2" = 1'-0"



2 / A001 INTERIOR DETAIL - FRAMING - LEVEL REFERENCE POINT CONVENTIONS
6" = 1'-0"



3 / A001 INTERIOR DETAIL - FRAMING - BACKING WITH FLAT STRAP
1" = 1'-0"

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49 TH
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No. 107829
REGISTERED PROFESSIONAL ARCHITECT

STATE TROOPERS DISPATCH CENTER EXPANSION

ISSUE DATE	23 JUL 2021
COMM. NUMBER	042101
DESIGNED BY	RNM
DRAWN BY	MLM
SCALE	0" — 1"

ARCHITECTURAL INFORMATION

A001

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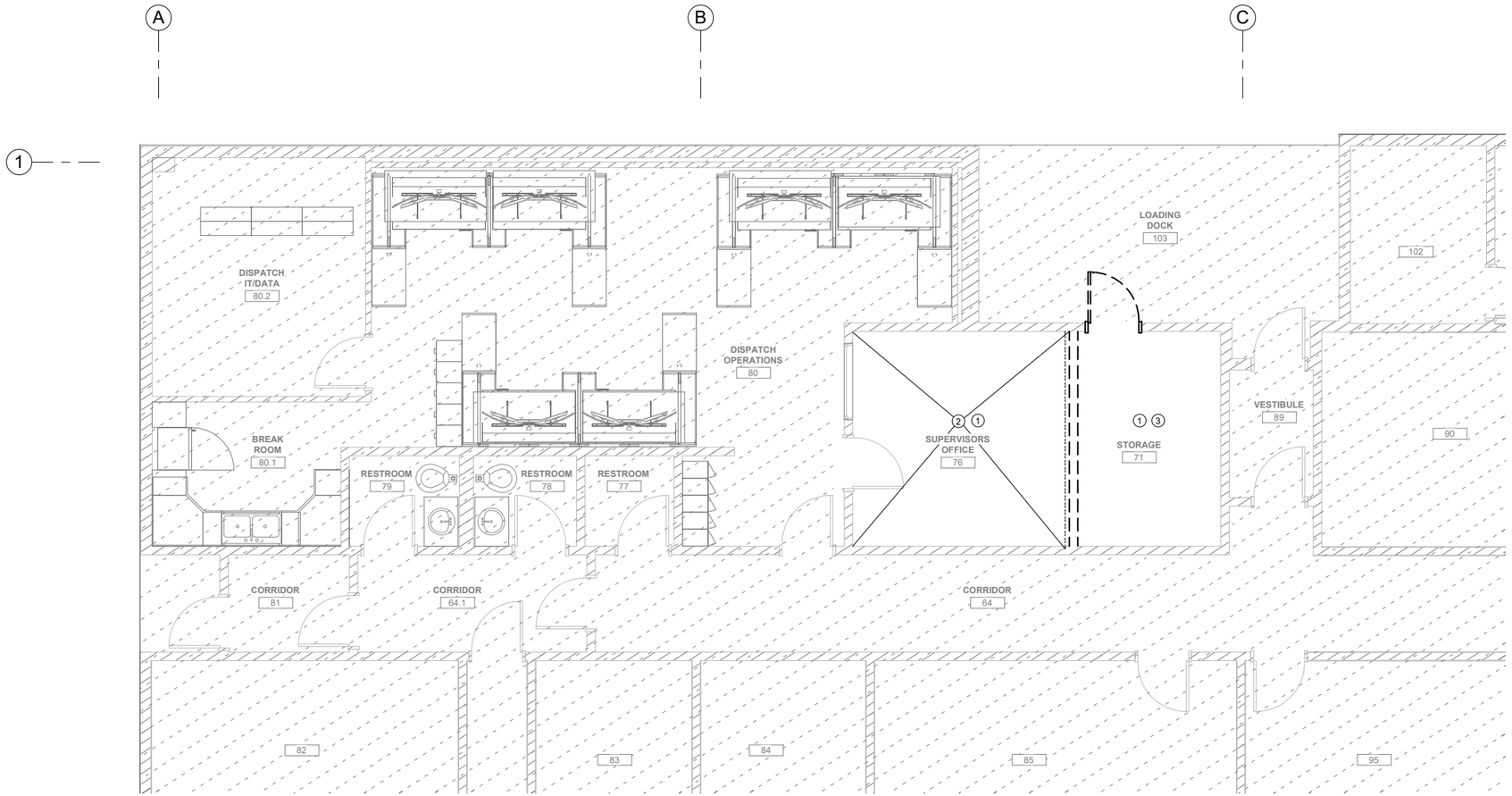


1 A100 DEMOLITION PLAN - 1ST FLOOR
1/4" = 1'-0"

DEMOLITION NOTES

A. CONSTRUCTION DOCUMENTS ARE GENERALIZED TO DESCRIBE INTENT OF DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR PROVIDING SPECIFIC DEMOLITION WORK REQUIRED TO ACCOMMODATE NEW WORK.
B. SEE MECHANICAL, AND ELECTRICAL DOCUMENTS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
C. NOTIFY ARCHITECT OF UNEXPECTED FINDINGS AFFECTING DESIGN, COST, OR SCHEDULE PRIOR TO PROCEEDING WITH WORK.
D. SALVAGE EXISTING LOOSE LAID CARPETS AND MATS WITHIN THE WORK AREA. STORE IN A SECURE, CLEAN, AND DRY LOCATION FOR THE DURATION OF WORK. CONTRACTOR IS RESPONSIBLE TO PROTECT THE CONDITION OF THE PRODUCTS. CONFIRM REINSTALLATION WITH OWNER.

DEMOLITION LEGEND

NO ARCHITECTURAL WORK IN THIS AREA

EXISTING WALL AND DOOR TO REMAIN

REMOVE DOOR, WALL TO REMAIN

EXISTING WALL TO REMAIN

REMOVE WALL

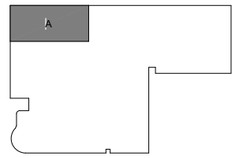
KEYNOTES

(1) REMOVE MATERIALS NOT REUSED IN NEW CONSTRUCTION. THIS INCLUDES INTERIOR WALLS, CASEWORK, FIXTURES, DOORS AND WALL MOUNTED ITEMS, FLOOR MOUNTED ITEMS, AND CEILING MOUNTED ITEMS; UNLESS OTHERWISE INDICATED.

ITEMS TO REMAIN INCLUDE CONCRETE FLOOR SLABS, CEILINGS, ROOF DECKING, ROOFING; UNLESS OTHERWISE INDICATED.

(2) FLOORING TO REMAIN.

(3) REMOVE FLOORING IN ROOM 71 AND MATCH TO EXISTING FINISH IN ROOM 76.



KEYPLAN

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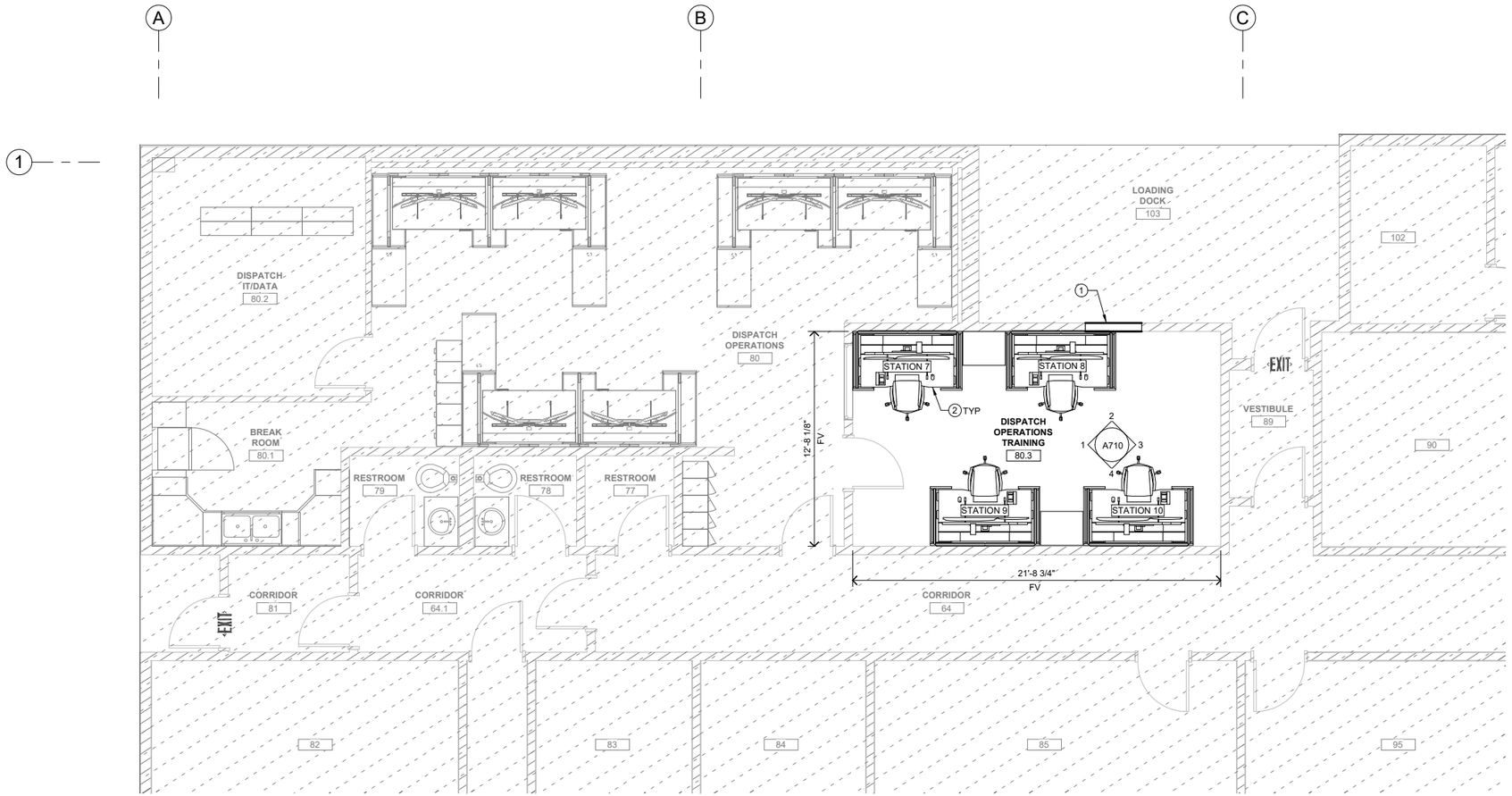
DEMOLITION PLAN - 1ST FLOOR

A100



1 A200 RENOVATION PLAN - 1ST FLOOR
1/4" = 1'-0"

OVERALL PLAN NOTES

A. OVERALL PLANS ARE INTENDED TO SHOW SPATIAL RELATIONSHIPS FOR THE BUILDING AS A WHOLE. CONSTRUCTION COMPONENTS MAY BE SIMPLIFIED OR OMITTED FOR CLARITY.

FLOOR PLAN LEGEND

NO ARCHITECTURAL WORK THIS AREA

EXISTING WALL AND DOOR

EXISTING WALL TO REMAIN

WALL INFILL

KEYNOTES

1. DOOR INFILL PER A530
2. CONSOLES OFOI

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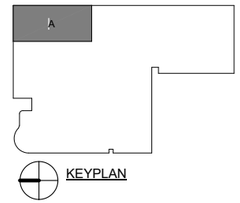
RENOVATION PLAN - 1ST FLOOR



KEYPLAN

A200

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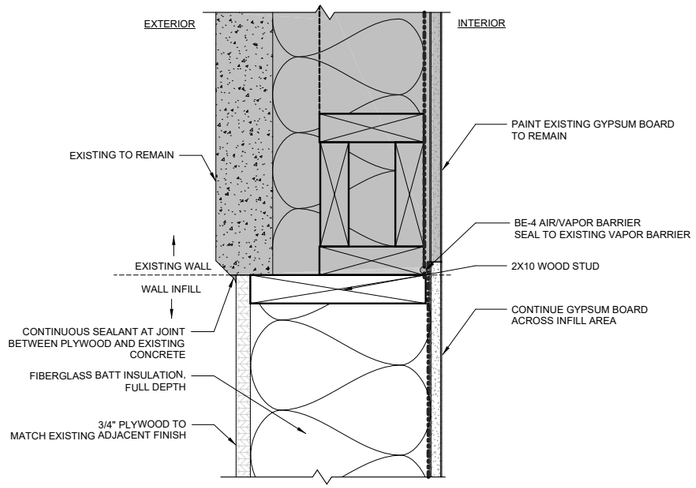
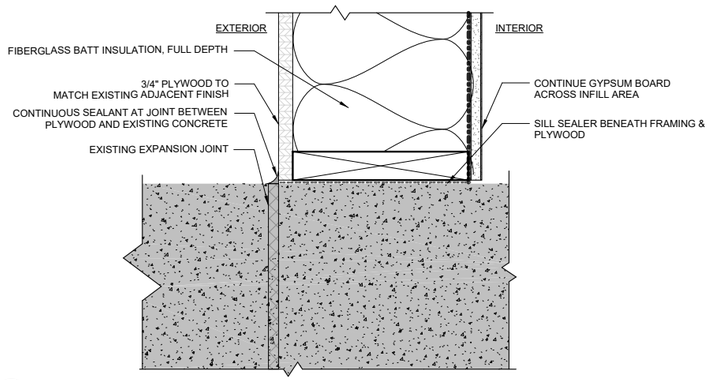
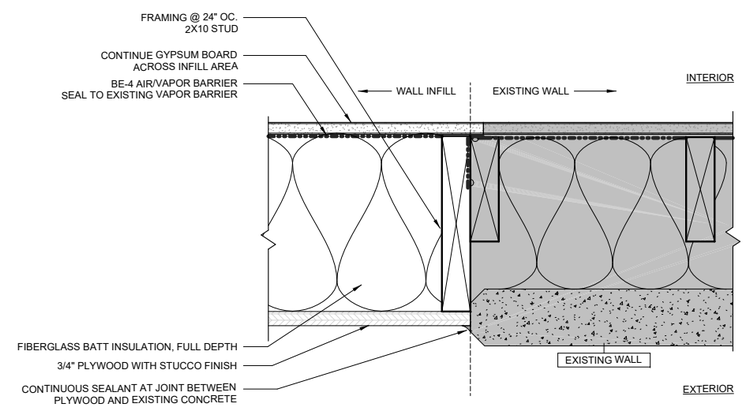


1 A530 EXTERIOR DETAIL - DOOR INFILL - HEAD
3" = 1'-0"



2 A530 EXTERIOR DETAIL - DOOR INFILL - SILL
3" = 1'-0"



3 A530 EXTERIOR DETAIL - DOOR INFILL - JAMB
3" = 1'-0"

EXTERIOR DETAIL NOTES

A. SEE A0 SHEETS FOR NOTES AND LEGENDS.
B. SEE A8 SHEETS FOR INTERIOR DETAILS.
C. EXTERIOR DETAILS ARE INTENDED TO SHOW BUILDING ENVELOPE LAYER CONTINUITY AT TRANSITIONS. CONSTRUCTION COMPONENTS MAY BE SIMPLIFIED OR OMITTED FOR CLARITY.
D. PROVIDE PRE-FINISHED METAL FLASHING UNLESS NOTED OTHERWISE. PERFORATE AT VENTED ASSEMBLIES.
E. PROVIDE TREATED 2x WOOD BLOCKING AT ROUGH OPENINGS UNLESS NOTED OTHERWISE.

EXTERIOR DETAIL LEGEND

EXISTING CONSTRUCTION

BUILDING ENVELOPE INDEX

TYPE	BASIS OF DESIGN - PER MATERIAL SCHEDULE
BE-4	POLYETHELYNE FILM (6 MIL, MIN.)

BUILDING ENVELOPE MATERIAL NOTES

A. INSULATION
   1. ASTM C665 FIBERGLASS BATT, TYPE 1 - UNFACED
   2. FORMALDEHYDE-FREE
   3. FLAME SPREAD (ASTM E84): 75, MAX
   4. SMOKE DEVELOPED INDEX (ASTM E84): 450, MAX
   5. FRICTION FIT, FULL DEPTH OF CAVITY
B. VAPOR RETARDER
   1. ASTM D4397 POLYETHYLENE FILM, CLEAR
   2. THICKNESS: 6 MIL, MINIMUM.
   3. AIR PERMEANCE (ASTM E2178): 0.004 CFM/SQ.FT., MAX
   4. VAPOR PERMEANCE (ASTM E96 PROCEDURE B): 0.06 PERMS, MAX
   5. FLAME SPREAD (ASTM E84): 25, MAX
   6. SMOKE DEVELOPED INDEX (ASTM E84): 450, MAX
   7. SEAM & PERIMETER TAPE: COMPATIBILE VAPOR-RETARDING TAPE AT ALL EDGES AND PENETRATIONS
   8. SEAM & PERIMETER SEALANT: ACOUSTIC SEALANT AT ALL EDGES AND PENETRATIONS
C. EXTERIOR SEALANT
   1. NON-SAG NON-STAINING SILICONE SEALANT
   2. ASTM C920, GRADE NS, USES M AND A
   3. MOVEMENT CAPABILITY: +/- 50%, MINIMUM
   4. NON-STAINING TO POROUS STONE (ASTM C1248)
   5. COLOR: MATCH ADJACENT FINISHED SURFACES
   6. SEAL ALL OPEN JOINTS, UNLESS NOTED OTHERWISE

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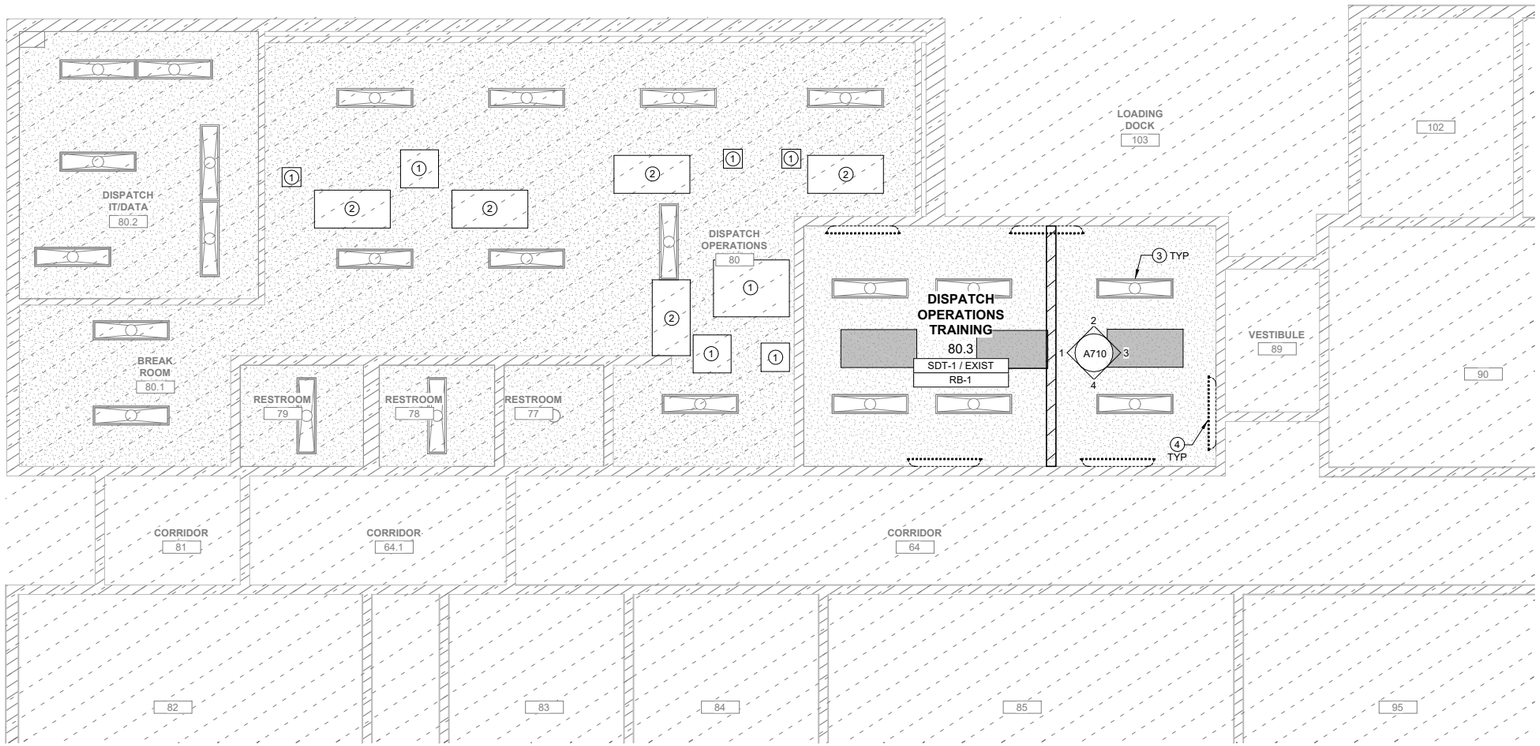
EXTERIOR DETAILS - WALL INFILL

A530



1 / A620 INTERIOR PLAN - CEILING - 1ST FLOOR
1/4" = 1'-0"

CEILING PLAN NOTES

A. COORDINATE MECHANICAL ELEMENTS INCLUDING, BUT NOT LIMITED TO DIFFUSERS, RETURN AIR SLOTS, ACCESS PANELS, AND EQUIPMENT WITH MECHANICAL DOCUMENTS.
B. COORDINATE ELECTRICAL ELEMENTS INCLUDING, BUT NOT LIMITED TO LIGHTING, SENSORS, SPEAKERS, SIGNAGE, ACCESS PANELS, AND EQUIPMENT WITH ELECTRICAL DOCUMENTS.
C. CEILING ELEMENTS INCLUDING, BUT NOT LIMITED TO DIFFUSERS, LIGHTING, SENSORS, SPEAKERS, SMOKE DETECTORS, AND SPRINKLERS SHALL BE CENTERED IN ROOM / CEILING TILE UNLESS NOTED OTHERWISE.
D. SEE ROOM SCHEDULE FOR CEILING ASSEMBLIES, HEIGHTS, AND FINISHES, INCLUDING EXPOSED STRUCTURE.
E. SUSPENDED CEILING CONSTRUCTED OF GYPSUM BOARD PER ASCE 7-10 SECTION 13.5.6 EXCEPTION 2 ARE EXEMPT FROM COMPLIANCE WITH SECTION 13.5.6 AND ASTM E580.
F. SUSPENDED CEILING AREAS GREATER THAN 144 SF BUT LESS THAN 1,000 SF MUST COMPLY WITH ASCE 7-10 SECTION 13.5.6 AND ASTM E580 BUT ARE EXEMPT FROM LATERAL FORCE BRACING.

CEILING PLAN LEGEND

100 — ROOM NUMBER
PNT-10 — CEILING FINISH
9'-0" — CEILING HEIGHT

EXISTING PAINTED GYPSUM BOARD CEILING TO REMAIN

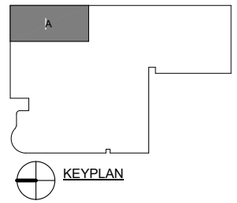
PNT-#
PATCH CEILING AT DEMOLISHED WALL
(SEE FINISH SCHEDULE FOR #)

NO ARCHITECTURAL WORK IN THIS AREA

ACOUSTIC PANELING
ACOUSTIMAC DMD MESH FABRIC - NAVY 4'X2'X2"

KEYNOTES

1. ACCESS PANELS
2. EXISTING ACOUSTIC PANELS
3. EXISTING LIGHTING TO REMAIN
4. TVS OFOI



KEYPLAN

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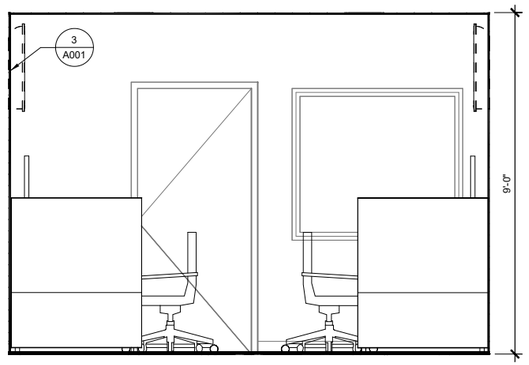
INTERIOR PLAN - CEILING - 1ST FLOOR

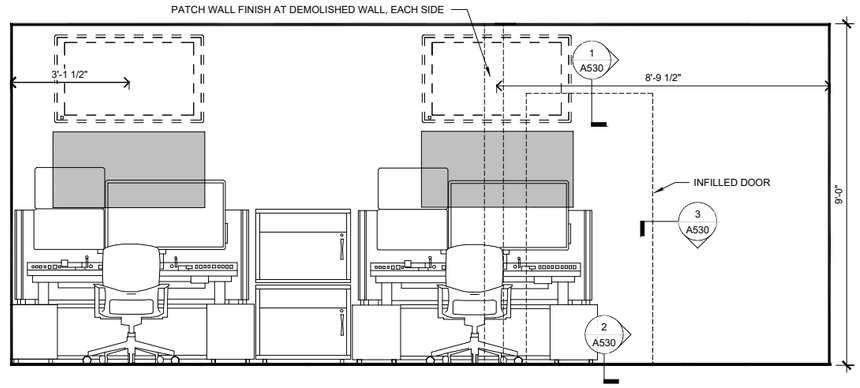
A620

INTERIOR ELEVATION NOTES

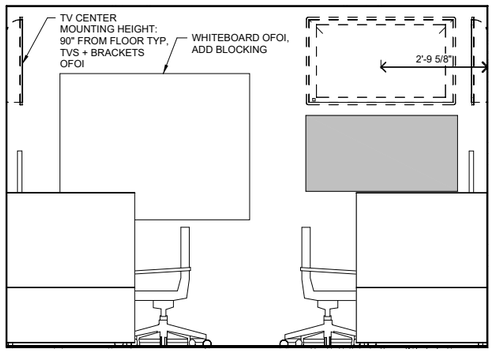
A. PAINT INTERIOR LOUVERS, REGISTERS, DIFFUSERS, AND OTHER EXPOSED MATERIALS TO MATCH ADJACENT FINISHES.
B. NOTIFY ARCHITECT, PRIOR TO INSTALLATION, IF DIMENSIONS SHOWN CREATE CONFLICT WITH CODES AND STANDARDS, MANUFACTURER RECOMMENDATIONS, OR FIELD CONDITIONS.



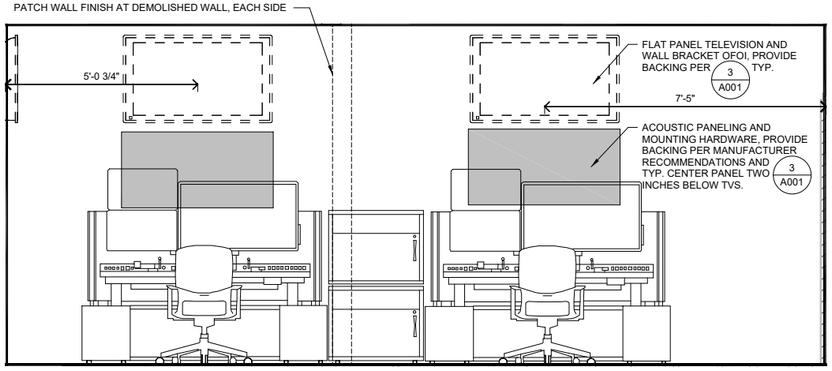
1 A710 INTERIOR ELEVATION - TRAINING FACILITY- NORTH
1/2" = 1'-0"



2 A710 INTERIOR ELEVATION - TRAINING FACILITY - EAST
1/2" = 1'-0"



3 A710 INTERIOR ELEVATION - TRAINING FACILITY - SOUTH
1/2" = 1'-0"



4 A710 INTERIOR ELEVATION - TRAINING FACILITY - WEST
1/2" = 1'-0"

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STATE OF ALASKA
49 TH
RYAN N. MORSE
23-JUL-2021
No. 107829
REGISTERED PROFESSIONAL ARCHITECT

STATE TROOPERS
DISPATCH
CENTER
EXPANSION

ISSUE DATE	23 JUL 2021
COMM. NUMBER	042101
DESIGNED BY	RNM
DRAWN BY	GMC
SCALE	0" 1"

INTERIOR
ELEVATION

A710

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ROOM SCHEDULE

ROOM		FLOOR		WALL	CEILING			ROOM	
NUMBER	NAME	FINISH	BASE	FINISH	ASSEMBLY TYPE	FINISH	HEIGHT	REMARKS	NUMBER
80.3	DISPATCH OPERATIONS TRAINING	SDT-1 / EXIST	RB-1	PNT-50 / EXIST	EXIST	PNT-80	9'-0"		80.3

ROOM SCHEDULE NOTES

A. SEE MATERIAL SCHEDULE FOR FINISH INFORMATION.
B. PROVIDE FINISHES TO FULL HEIGHT OF WALL UNLESS NOTED OTHERWISE.
C. PATCH AND REPAIR EXISTING SURFACES DAMAGED BY WORK. MATCH ADJACENT FINISHES. PAINT BEYOND DAMAGED AREA EXTENDING FROM CORNER TO CORNER OF AFFECTED SURFACES.

ROOM SCHEDULE REMARKS

1. NOT USED

ROOM SCHEDULE ABBREVIATIONS

SEE A001 FOR STANDARD ARCHITECTURAL ABBREVIATIONS
SEE MATERIAL SCHEDULE FOR MATERIAL TYPES

AFF	ABOVE FINISHED FLOOR
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
MFSD	MANUFACTURER'S STANDARD
NIC	NOT IN CONTRACT
OFOI	OWNER FURNISHED OWNER INSTALLED
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
SPEC	SPECIFICATION

MATERIAL SCHEDULE

SPEC	TYPE	DESCRIPTION	LOCATION	BASIS OF DESIGN			REMARKS		TYPE
				MANUFACTURER	MODEL	COLOR	LOW EMITTING	MISCELLANEOUS	
07 25 00 - THERMAL AND MOISTURE PROTECTION - WEATHER BARRIERS									
07 25 00	BE-4	SHEETING - AIR / VAPOR BARRIER (AVB)	PER ASSEMBLY TYPES	HUSKY	POLYETHELYNE FILM (6 MIL, MIN.)	NOT APPLICABLE			BE-4
09 60 00 - FINISHES - FLOORING									
09 65 00	RB-1	RUBBER BASE	PER ROOM SCHEDULE	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	LE-D		RB-1
09 65 00	SDT-1	STATIC DISSIPATIVE TILE	PER ROOM SCHEDULE	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	LE-D	1.	SDT-1
09 90 00 - FINISHES - PAINTING AND COATING									
09 91 23	PNT-50	INTERIOR PAINT - WALL	PER ROOM SCHEDULE	SHERWIN WILLIAMS	PROMAR 200 INTERIOR LATEX	MATCH EXISTING	LE-F		PNT-50
09 91 23	PNT-80	INTERIOR PAINT - CEILING	PER ROOM SCHEDULE	SHERWIN WILLIAMS	PROMAR 200 INTERIOR LATEX	MATCH EXISTING	LE-F		PNT-80

MATERIAL SCHEDULE NOTES

A. SEE CEILING PLANS, INTERIOR ELEVATIONS, AND ROOM SCHEDULE FOR LOCATION OF FINISHES.
B. THE MATERIAL SCHEDULE IS INTENDED AS A BASIS OF DESIGN. SEE SPECIFICATIONS FOR PRODUCT INFORMATION, PERFORMANCE CRITERIA, AND ACCEPTABLE ALTERNATIVE MANUFACTURERS.
C. THE MATERIAL SCHEDULE IS ORGANIZED BY SPEC NUMBER. MATERIALS WITH SPEC NUMBERS INCLUDING 'NA' ARE INTENDED AS A BASIS OF DESIGN WITH NO CORRELATING SPEC SECTION.

MATERIAL SCHEDULE REMARKS

MISCELLANEOUS
1. EXISTING FLOORING INSTALLED AT DISPATCH ROOM 80 IS IQ GRANIT SD BY TARKETT; CONTRACTOR TO CONFIRM.

LOW EMITTING
LE-A. COMPOSITE WOOD AND AGRIFIBER PRODUCTS (INCLUDING ASSOCIATED SUBSTRATE) MUST CONTAIN NO ADDED UREA-FORMALDEHYDE.
LE-B. CLEAR WOOD FINISHES, FLOOR COATINGS, STAINS, PRIMERS, SEALERS, AND SHELLACS (INCLUDING TILE SETTING ADHESIVE, AND GROUT) APPLIED TO INTERIOR ELEMENTS MUST NOT EXCEED THE VOC CONTENT LIMITS ESTABLISHED IN SCAQMD RULE 1113 AS OF 01 JAN 2004.
LE-C. ADHESIVES, SEALANTS, AND SEALANT PRIMERS APPLIED TO INTERIOR ELEMENTS MUST COMPLY WITH SCAQMD RULE 1168 AS OF 01 JULY 2005. AEROSOL ADHESIVES APPLIED TO INTERIOR ELEMENTS MUST COMPLY WITH GREEN SEAL GS-36 AS OF 19 OCTOBER 2000.
LE-D. HARD SURFACE FLOORING AND WALL BASE MUST BE FLOORSCORE CERTIFIED.
LE-E. CARPET MUST MEET GREEN LABEL PLUS REQUIREMENTS. CARPET CUSHION MUST MEET GREEN LABEL REQUIREMENTS.
LE-F. ARCHITECTURAL PAINTS AND COATINGS APPLIED TO INTERIOR ELEMENTS MUST NOT EXCEED THE VOC CONTENT LIMITS ESTABLISHED IN GREEN SEAL STANDARD GS-11 AS OF 20 MAY 1993.

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SCHEDULES AND TYPES

A920

MECHANICAL ABBREVIATIONS

KEY NAME	ABBREVIATIONS	KEY NAME	ABBREVIATIONS
#	NUMBER	MAX	MAXIMUM
&	AND	MECH	MECHANICAL
@	AT	MIN	MINIMUM
A	AIR	MTR	MOTOR
AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED
AGT	AVERAGE GLYCOL TEMPERATURE	NC	NOISE CRITERIA
AHU	AIR HANDLING UNIT	NIC	NOT IN CONTRACT
APD	AIR PRESSURE DROP	NO	NORMALLY OPEN
APPR	APPROVED	NTS	NOT TO SCALE
APPROX	APPROXIMATE	OAT	OUTSIDE AIR TEMPERATURE
ARCH	ARCHITECTURAL	OBVD	OPPOSED BLADE VOLUME DAMPER
ASSOC	ASSOCIATED	OC	ON CENTER
AUTO	AUTOMATIC	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
BAL	BALANCING	OFOI	OWNER FURNISHED, OWNER INSTALLED
BFF	BELOW FINISHED FLOOR	OSA	OUTSIDE AIR
C	COMMON	P&T	PRESSURE AND TEMPERATURE
Cv	VALVE COEFFICIENT	PD	PRESSURE DROP
CW	COLD WATER	PH	PHASE
DB	DECIBEL	PRV	PRESSURE RELIEF VALVE
DB	DRYBULB	RA	RETURN AIR
DI	DUCTILE IRON	RD	ROOF DRAIN
DIA	DIAMETER	RHW	RECIRCULATING HOT WATER
DN	DOWN	RL	RAIN LEADER
DWDI	DOUBLE WIDTH, DOUBLE INLET	RP	RADIANT PANEL
EA	EXHAUST AIR	RPM	REVOLUTIONS PER MINUTE
EAT	ENTERING AIR TEMPERATURE	SIM	SIMILAR
EF	EXHAUST FAN	SP	STATIC PRESSURE
EGT	ENTERING GLYCOL TEMPERATURE	SPEC	SPECIFICATIONS
ELEC	ELECTRICAL	SS	STAINLESS STEEL
ESP	EXTERNAL STATIC PRESSURE	SWSI	SINGLE WIDTH, SINGLE INLET
EWT	ENTERING WATER TEMPERATURE	TDH	TOTAL DYNAMIC HEAD
EXIST	EXISTING	THW	TEMPERED HOT WATER
FC	FORWARD CURVED	TP	TRAP PRIMER
GA	GAUGE	TYP	TYPICAL
GALV	GALVANIZED	V	VENT
GHR	GLYCOL HEATING RETURN	VAV	VARIABLE AIR VOLUME
GHS	GLYCOL HEATING SUPPLY	VERT	VERTICAL
GHS&R	GLYCOL HEATING SUPPLY & RETURN	VFD	VARIABLE FREQUENCY DRIVE
ID	INSIDE DIAMETER	VOL	VOLUME
INSUL	INSULATION	W/	WITH
LAT	LEAVING AIR TEMPERATURE	W/O	WITHOUT
LGT	LEAVING GLYCOL TEMPERATURE		

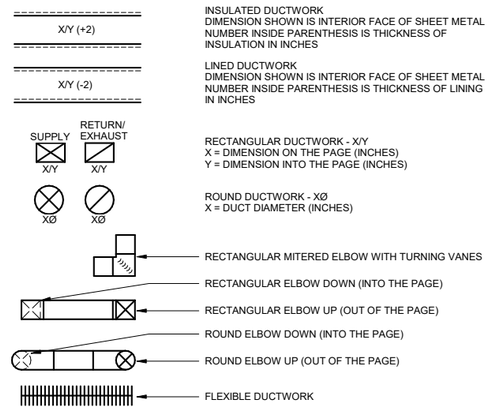
MECHANICAL - LINETYPES

FULL NAME	LINETYPE
EXISTING	———
EXISTING TO BE REMOVED	– – – – – – – –

MECHANICAL SYMBOLS

- CONNECTION TO EXISTING
- SENSOR (S)
- DUCT FLOW ARROW
- MOTORIZED DAMPER (M)

DUCT LEGEND

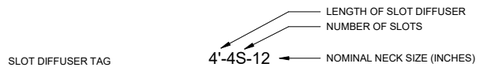


- INSULATED DUCTWORK
  DIMENSION SHOWN IS INTERIOR FACE OF SHEET METAL
  NUMBER INSIDE PARENTHESIS IS THICKNESS OF INSULATION IN INCHES
- LINED DUCTWORK
  DIMENSION SHOWN IS INTERIOR FACE OF SHEET METAL
  NUMBER INSIDE PARENTHESIS IS THICKNESS OF LINING IN INCHES
- RECTANGULAR DUCTWORK - X/Y
  X = DIMENSION ON THE PAGE (INCHES)
  Y = DIMENSION INTO THE PAGE (INCHES)
- ROUND DUCTWORK - XØ
  X = DUCT DIAMETER (INCHES)
- RECTANGULAR MITERED ELBOW WITH TURNING VANES
- RECTANGULAR ELBOW DOWN (INTO THE PAGE)
- RECTANGULAR ELBOW UP (OUT OF THE PAGE)
- ROUND ELBOW DOWN (INTO THE PAGE)
- ROUND ELBOW UP (OUT OF THE PAGE)
- FLEXIBLE DUCTWORK

AIR TERMINAL LEGEND

SLOT DIFFUSER (FLOW ARROWS INDICATE DIRECTION OF AIRFLOW)

MECHANICAL TAG LEGEND



DUCT ACCESSORY LEGEND

VOLUME DAMPER (ROUND)

VAV TERMINAL UNIT SCHEDULE

SYMBOL	MAX NC LEVEL {1}	MAX TPD {2} (IN H2O)	CAPACITY (CFM) {3}	BASIS OF DESIGN	REMARKS
V-1	25	0.10	200	TITUS - DESV-04	

{1} RATED AT 1.0" INLET STATIC PRESSURE.
{2} THROUGH AIR VALVE ONLY. EXCLUDES DISCHARGE DUCT AND PLENUM LOSSES.
{3} BASIS OF SELECTION CAPACITY ONLY. SEE DRAWINGS FOR SPECIFIC CAPACITIES.

SLOT DIFFUSER SCHEDULE

SYMBOL	LENGTH (FT)	NUMBER OF SLOTS	THROW DIRECTION	MAX TPD (IN H2O) {1}	MAX NC LEVEL {2}	BASIS OF DESIGN	NOMINAL CAPACITY (CFM) {3} {5}	MIN/MAX THROW (FT) {4} {5}	REMARKS
4'-2S	4	2	1	0.10	30	TITUS TBD-30	160	15-18	
4'-1S-R	4	1	----	0.05	20	TITUS TBR-30	175	----	

{1} TPD = TOTAL PRESSURE DROP
{2} AS MEASURED IN ROOM SERVED.
{3} BASIS OF SELECTION CAPACITY ONLY. SEE DRAWINGS FOR SPECIFIC CAPACITY.
{4} AT NOMINAL CAPACITY AND 50 FPM TERMINAL VELOCITY.
{5} BASED ON MAXIMUM DIFFUSER NECK SIZE.

CONTROL NOTES/ SEQUENCE OF OPERATION

1. EXISTING CONTROL SYSTEM IS SIEMENS INDUSTRY, INC.
2. MATCH EXISTING FOR CONTROL OF NEW EQUIPMENT.
3. V-1 TO OPERATE BASED ON RELOCATED EXISTING TEMPERATURE SENSOR IN THE AREA SERVED.
4. V-1 OPERATION.
   A. OPERATE V-1 CONTINUOUSLY.
   B. MODULATE SUPPLY AIR DAMPER TO MAINTAIN SPACE TEMPERATURE OF 68 DEGREES F (ADJUSTABLE).
   C. PROVIDE MINIMUM VAV POSITION OF 50% FULL FLOW.

MECHANICAL SPECIFICATIONS

1. PROVIDE OPERATION AND MAINTENANCE MANUAL SUBMITTALS FOR VARIABLE AIR VOLUME UNIT AND DDC CONTROLLER SO THAT THE OWNER'S MAINTENANCE PERSONNEL WILL HAVE COMPLETE SERVICE AND REPLACEMENT INFORMATION REQUIRED FOR ROUTINE MAINTENANCE AND REPAIR AND TO PROVIDE MAXIMUM USABLE LIFE.
2. PROVIDE SUPPORT WORK REQUIRED TO COORDINATE WITH BUILDING AUTOMATION SYSTEM PROVIDED BY SIEMENS INDUSTRY, INC. (SII).
3. THE DRAWINGS ARE SOMEWHAT DIAGRAMMATIC AND DO NOT ATTEMPT TO SHOW ALL OFFSETS OR FITTINGS AND ACCESSORIES REQUIRED FOR INSTALLATION OF THE MECHANICAL SYSTEM. FURNISH AND INSTALL DUCTS WITH FITTINGS REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF MECHANICAL SYSTEM SHOWN.
4. BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS WHICH AFFECT WORK REQUIRED BY THE CONTRACT DOCUMENTS. IT WILL BE ASSUMED THAT BIDDERS HAVE MADE A PERSONAL EXAMINATION OF THE JOBSITE AND EXISTING CONDITIONS. FAILURE TO VISIT THE JOBSITE WILL IN NO WAY RELIEVE THE SUCCESSFUL BIDDER FROM THE NECESSITY OF FURNISHING ANY MATERIALS OR PERFORMING ANY WORK THAT MAY BE REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS WITH NO ADDITIONAL COST TO THE OWNER.
5. OBTAIN, PAY FOR, AND COMPLY WITH THE REQUIREMENTS OF ALL PERMITS, FEES AND INSPECTIONS BY PUBLIC AUTHORITIES REQUIRED FOR THE WORK SHOWN.
6. FOLLOW LATEST ADOPTED EDITIONS OF CODE OF FEDERAL REGULATIONS, ALASKA ADMINISTRATIVE CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, UNIFORM PLUMBING CODE, INTERNATIONAL FIRE CODE, ADA ACCESSIBILITY GUIDELINES, NFPA, SMACNA, ETC. AS APPLICABLE.
7. BALANCE DIFFUSERS INSTALLED BY THIS PROJECT. PROVIDE LABOR, INSTRUMENTS, AND MATERIALS REQUIRED TO BALANCE AND ADJUST DIFFUSERS. FLOWRATES WITHIN 10% OF INDICATED IS ACCEPTABLE. DO NOT RESTRICT FLOW THROUGH RETURN DIFFUSERS. CONTRACTOR MAY PERFORM BALANCING OF DIFFUSERS USING A CALIBRATED BALOMETER.
8. MATCH EXISTING DUCTWORK AND ACOUSTICAL DUCT LINING CONSTRUCTION. INSTALL IN ACCORDANCE W/ SMACNA.
9. PROVIDE FACTORY FABRICATED VARIABLE VOLUME TERMINAL UNITS COMPLETE WITH LINED CASING AND VOLUME CONTROL DAMPER. TRANE, TITUS, OR EQUAL. PRESSURE INDEPENDENT VOLUME CONTROLLER BY SIEMENS. INSTALL AS INDICATED AND IN ACCORDANCE WITH MANUFACTURER'S ACCEPTANCE RECOMMENDATIONS. SUBMIT CATALOG CUTS, PERFORMANCE, AND CAPACITY DATA FOR EQUIPMENT AND ACCESSORY ITEMS FOR REVIEW BY OWNERS REPRESENTATIVE.
10. PROVIDE SLOT DIFFUSER WITH 26 GAUGE GALVANIZED STEEL CASING AND 3/8 INCH THICK, 1-1/2 POUND DENSITY ACOUSTICAL LINING, UL LISTED AND MEETING NFPA 90 A REQUIREMENTS. TITUS TBD, KRUEGER PTBSS, PRICE TBD, OR EQUAL. COORDINATE INSTALLATION WITH LOCATION INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CEILING TRIM SPECIALLY MANUFACTURED FOR THE PURPOSE AT ALL LOCATIONS WHERE SLOT DIFFUSERS ARE INSTALLED IN GYPSUM BOARD CEILING. OUTLET INSTALLATION SHALL RESULT IN NO GAPS BETWEEN OUTLET FACE OR FRAME AND MOUNTING SURFACE. SUBMIT CATALOG CUTS AND SELECTIONS FOR EQUIPMENT AND ACCESSORY ITEMS FOR REVIEW AND ACCEPTANCE BY OWNERS REPRESENTATIVE.

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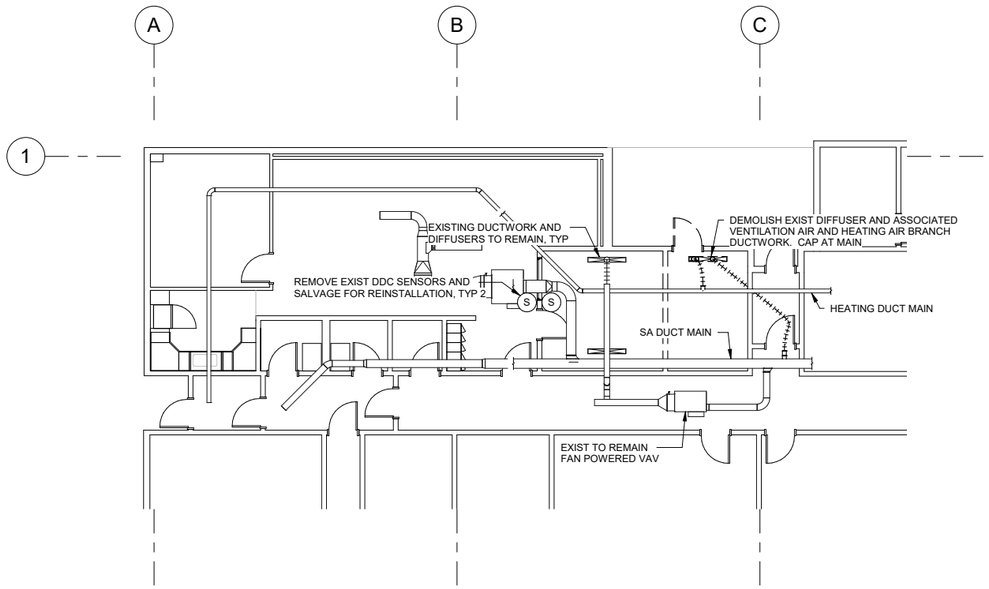
STATE OF ALASKA 49 TH Blake Burley Blake Allen Burley 22-JUL-2021 ME-160408 REGISTERED PROFESSIONAL ENGINEER

STATE TROOPERS DISPATCH CENTER EXPANSION

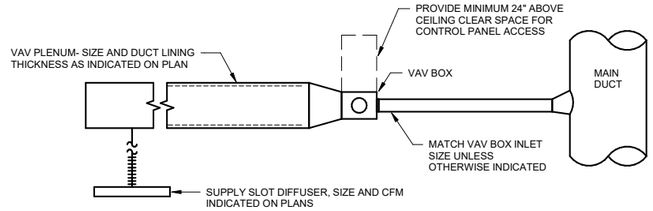
ISSUE DATE	23 JUL 2021
COMM. NUMBER	042101
DESIGNED BY	BAB
DRAWN BY	BAB
SCALE	0" 1"

MECHANICAL ABBREVIATIONS, LEGENDS, AND SCHEDULES

M001



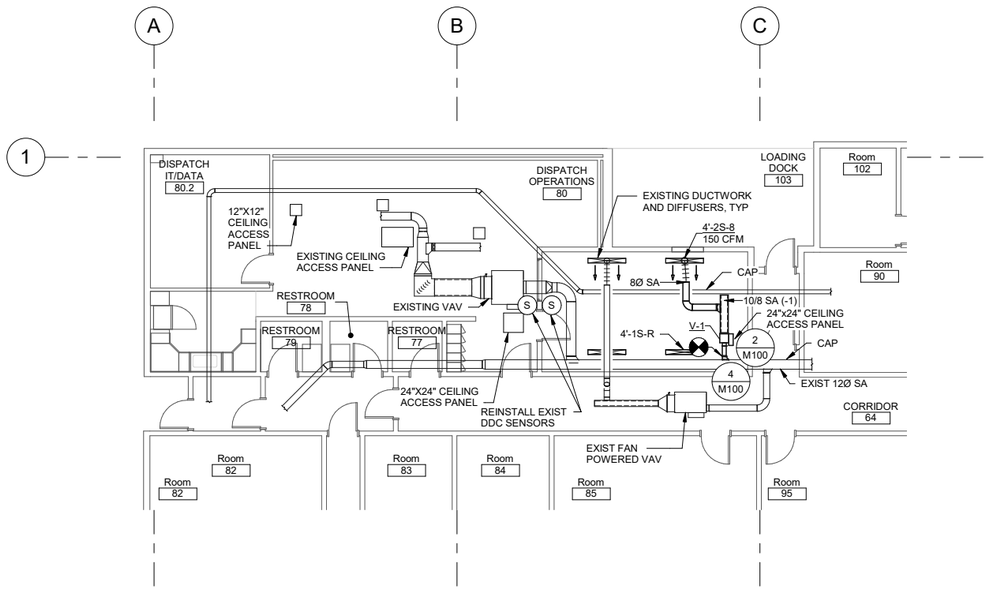
1 M100 MECHANICAL DEMOLITION PLAN
1/8" = 1'-0"



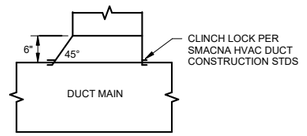
GENERAL NOTES

1. COORDINATE VAV BOX ASSOCIATED CONTROL PANEL AND REHEAT COIL VALVE LOCATIONS SO THAT THEY ARE ACCESSIBLE THROUGH THE SAME CEILING TILE OR ACCESS PANEL. FOR THIS PURPOSE MINIMUM ACCESS MUST ALLOW FOR THE TECHNICIAN TO BOTH SEE AND TOUCH ELECTRICAL TERMINALS WITH BOTH HANDS.

2 M100 VAV BOX DETAIL
NO SCALE



3 M100 MECHANICAL PLAN
1/8" = 1'-0"



4 M100 SHOE TAP DETAIL
NO SCALE

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MECHANICAL PLANS AND DETAILS

M100

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ELECTRICAL SYMBOL LEGEND

1	NOTE KEY - INDICATES NOTES APPLICABLE ON EACH SHEET
$ $3 $D $T	SWITCHES UP 4'-0", UON: SPST; THREE-WAY, DIMMER SWITCH
$M	MANUAL MOTOR SWITCH WITH THERMAL OVERLOAD(S)
	DUPLEX RECEPTACLE UP 24", U.O.N. SEE SHEET A-710.
	QUAD RECEPTACLE UP 24", U.O.N. SEE SHEET A-710.
A	SPECIAL PURPOSE RECEPTACLE,, (NEMA TYPE AS NOTED) UP 24" UON. SEE SHEET A-710. "A" = NEMA TYPE L5-20R RECEPTACLE WITH "RED" COLOR
	PANELBOARD: SURFACE MOUNTED
J	JUNCTION BOX
	EQUIPMENT CONNECTION
6	COMMUNICATIONS OUTLET, WALL MOUNTED FACEPLATE WITH 6 PORTS, U.O.N., MOUNTED +18" AFF, TYP. PROVIDE ONE COMM CABLE CONNECTED TO EACH OUTLET PORT, RUN ABOVE CEILING TO SLEEVES IN ROOM 80.2 AND CONNECT TO PATCH PANEL(S) . SEE SHEET A-710.
(E)	EXISTING TO REMAIN
OFOI	OWNER FURNISHED OWNER INSTALLED
UON	UNLESS OTHERWISE NOTED
	FLEXIBLE CONDUIT
	CONCEALED CONDUIT (NOTE A BELOW)
	EXPOSED CONDUIT (NOTE A BELOW)
A-2,4	INDICATES HOME-RUN (NUMBER OF ARROWS = NUMBER OF CIRCUITS) (NOTE B BELOW)

NOTES:

GENERAL: ALL BRANCH CIRCUITS #12 CONDUCTORS IN 1/2" C. MIN. TO 20 AMP CIRCUIT BREAKER (TYPICAL) U.O.N. e.g. A-2,4 (4 #10, 1/2" C.) INDICATES CIRCUIT NUMBERS 2 AND 4 IN PANEL "A" FEEDS TO EQUIPMENT WITH 4 #10 AWG WIRES RUN IN 1/2" DIA. CONDUIT. SEE NOTE C BELOW.

A. NO. OF WIRES (IF OTHER THAN 2) INDICATED BY NO. OF SLASHES (= TWO "HOT" WIRES AND TWO NEUTRAL WIRES).

B. HOME-RUN DESIGNATION: "A" = PANELBOARD NOTATION, "-2,4" = CIRCUIT NUMBERS.

C. INSTALL AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDER AND BRANCH CIRCUIT CONDUITS SIZED IN ACCORDANCE WITH NEC REQUIREMENTS.

SYMBOLS SHOWN ABOVE ARE DRAWN AS THEY ARE USED ON THE DRAWINGS TO INDICATE NEW WORK OR NEW LOCATIONS OF EXISTING EQUIPMENT. EXISTING EQUIPMENT TO BE ABANDONED IN PLACE, REMOVED, OR RELOCATED IS SHOWN USING THE SAME SYMBOLS BUT DRAWN WITH DASHED LINES.

LIGHTING FIXTURE SCHEDULE

KEY	LAMPS NO.	TYPE	DESCRIPTION	MOUNTING HEIGHT	BASIS OF DESIGN
A40	1	LED 4,000 LUMENS 4,000 K 80 CRI	4' LED SURFACE MOUNTED LED FIXTURE WITH STEEL HOUSING, FLUSH ALUMINUM DOOR, #19 PATTERN 0.156" ACRYLIC LENS, BAKED WHITE ENAMEL FINISH, 0-10 VOLT (DIM TO DARK) DIMMING DRIVER, 120V.	SURFACE, CEILING	LITHONIA TLX4-40L-FW-A19-EZB-LP840

NOTES:

1. PROVIDE ALL MOUNTING ACCESSORIES, TRIM, FLANGES, OUTLET BOXES, ETC. FOR COMPLETE INSTALLATION.
2. PROVIDE ALL FIXTURES WITH LABEL SUITABLE FOR APPLICATION PER N.E.C.

EXISTING PANEL '3EM' - REVISED SCHEDULE

CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	BUS	LOAD (VA)	LOAD TYPE	LOAD SERVED	TRIP	P	CKT NO.
1	1	20	(N) WORKSTATION #7	R	360	A	800	L	RM 76,80,80.1 LTG	20	1	2
3	1	20	(N) WORKSTATION #8	R	360	B	3,300	C	AC-1	40	3	4
5	1	20	(N) WORKSTATION #9	R	360	C	3,300	C	" "			6
7	1	20	(N) WORKSTATION #10	R	360	A	3,300	C	" "			8
9	1	20	(N) TV OUTLET FOR #7 & #8	R	360	B	0	C	AC-2	40	3	10
11	1	20	(N) TV OUTLET FOR #9 & #10	R	360	C	0	C	" "			12
13	1	20	(N) TV OUTLET FOR SOUTH WALL	S	180	A	0	C	" "			14
15			(N)SPACE	S	0	B	900	M	V-1	15	2	16
17	2	20	CHARGER CKT. #5 (SPARE)	S	0	C	900	M	" "			18
19			" "	S	0	A	900	M	V-2	15	2	20
21	1	20	NORTH HBO	R	600	B	900	M	" "			22
23	1	20	SPARE	S	0	C	360	R	WORK STATION #1-QUAD OUTLET	20	1	24
25	1	20	ROOM 76 RECEPTACLES	R	720	A	360	R	WORK STATION #2-CKT #2	20	1	26
27	1	20	ROOM 80 RECEPTACLES	R	360	B	360	R	WORK STATION #3-CKT #2	20	1	28
29	1	20	ROOM 80 WORKSTATION RECEPTACLE	R	360	C	360	R	WORK STATION #4-CKT #2	20	1	30
31	1	20	ROOM 80.2 RECEPTACLES	R	900	A	360	R	WORK STATION #5-CKT #2	20	1	32
33	2	30	VALERE #1	E	2,500	B	360	R	WORK STATION #6-CKT #2	20	1	34
35			" "	E	2,500	C	540	R	WALL MONITOR RECEPTACLES	20	1	36
37	3	30	SURGE PROTECTIVE DEVICE (SPD)	S	0	A	2,500	E	VALERE #2	30	2	38
39			" "	S	0	B	2,500	E	" "			40
41			" "	S	0	C	0	S	SPARE	20	1	42

MAIN:	100 AMPS MCB	PHASE A:	10,740 VA	89.4 A	CONNECTED:	32,680 VA
TYPE:	208Y/120 V 3 PH, 4 W.	PHASE B:	12,900 VA	107.4 A	AMPS:	90.7 A
AIC:	10,000 RMS SYMM. AMPS	PHASE C:	9,040 VA	75.3 A	VOLTAGE:	208 V

NOTES

N.E.C. FEEDER CALCULATIONS:	(VA)	(A)
LIGHTING	1,000 VA	2.8 A
RECEPTACLES	8,200 VA	22.8 A
EQUIPMENT (CONTINUOUS)	12,375 VA	34.3 A
EQUIPMENT (NON-CONTINUOUS)	10,000 VA	27.8 A
MOTORS	4,100 VA	11.4 A
TOTAL DEMAND LOAD	35,675 VA	99.0 A

LOAD TYPE:
L = LIGHTING (LOAD X 125%)
R = RECEPTACLES (NEC 220.44)
C = EQUIPMENT (CONTINUOUS) X 125%
E = EQUIPMENT (NON-CONTINUOUS) X 100%
M = MOTORS (LOAD + 25% OF LARGEST MOTOR)
F = FEEDERS
S = SPARE OR SPACE

MOUNTING	SPECIAL REQUIREMENTS: PROVIDE 120VAC SHUNT TRIP MAIN BREAKER
SURFACE	

LOCATION RM 80.2

NOTE: (N) = NEW CIRCUIT BREAKER AND CIRCUIT

EXISTING PANEL 'UPS' - REVISED SCHEDULE

CKT NO.	P	TRIP	LOAD SERVED	LOAD TYPE	LOAD (VA)	BUS	LOAD (VA)	LOAD TYPE	LOAD SERVED	TRIP	P	CKT NO.
1	1	20	RM 80.2-RACK #1 SP REC	E	1,000	A	300	E	WORK STATION #1-SP REC.	20	1	2
3	1	20	RM 80.2-RACK #2 SP REC	E	1,000	B	300	E	WORK STATION #2-SP REC.	20	1	4
5	1	20	RM 80.2-RACK #3 SP REC	E	1,000	A	300	E	WORK STATION #3-SP REC.	20	1	6
7	1	20	RM 80.2-RACK #4 SP REC	E	1,000	B	300	E	WORK STATION #4-SP REC.	20	1	8
9	1	20	RM 80.2-RACK #5 SP REC	E	1,000	A	300	E	WORK STATION #5-SP REC.	20	1	10
11	1	20	RM 80.2-SERVER #1 SP REC	E	1,000	B	300	E	WORK STATION #6-SP REC.	20	1	12
13	1	20	RM 80.2-SERVER #2 SP REC	E	1,000	A	300	E	(N) WORK STATION #7-SP REC.	20	1	14
15	1	20	RM 80.2-SERVER #3 SP REC	E	1,000	B	300	E	(N) WORK STATION #8-SP REC.	20	1	16
17	--	--	PREPARED SPACE	S	0	A	300	E	(N) WORK STATION #9-SP REC.	20	1	18
19	--	--	" "	S	0	B	300	E	(N) WORK STATION #10-SP REC.	20	1	20
21	--	--	" "	S	0	A	0	S	PREPARED SPACE	--	--	22
23	--	--	" "	S	0	B	0	S	" "	--	--	24
25	--	--	" "	S	0	A	0	S	" "	--	--	26
27	--	--	" "	S	0	B	0	S	" "	--	--	28
29	--	--	" "	S	0	A	0	S	" "	--	--	30

MAIN:	100 AMPS MLO	PHASE A:	5,500 VA	79.4 A	CONNECTED:	11,000 VA
TYPE:	120 VOLT 1 PH, 2 W.	PHASE B:	5,500 VA	79.4 A	AMPS:	91.7 A
AIC:	10,000 RMS SYMM. AMPS				VOLTAGE:	120 V

NOTES

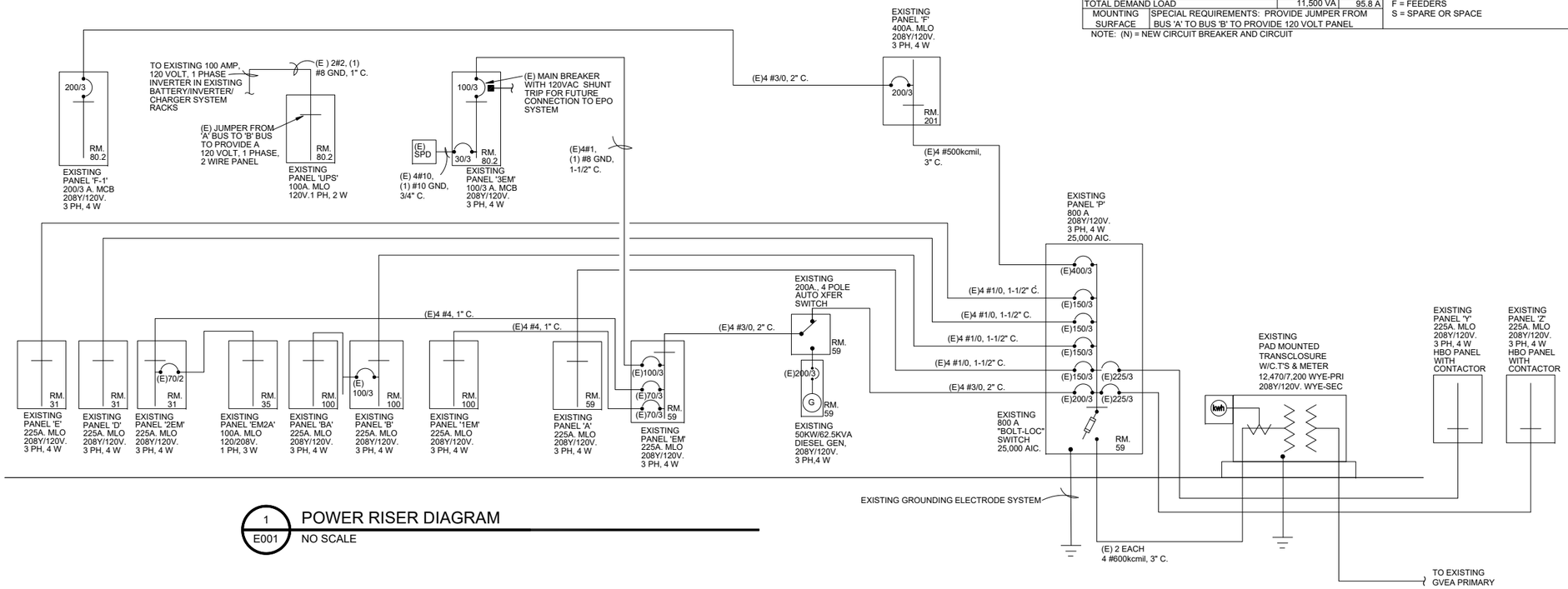
N.E.C. FEEDER CALCULATIONS:	(VA)	(A)
LIGHTING	0 VA	0.0 A
RECEPTACLES	0 VA	0.0 A
EQUIPMENT (CONTINUOUS)	0 VA	0.0 A
EQUIPMENT (NON-CONTINUOUS)	11,000 VA	91.7 A
MOTORS	500 VA	4.2 A
TOTAL DEMAND LOAD	11,500 VA	95.8 A

LOAD TYPE:
L = LIGHTING (LOAD X 125%)
R = RECEPTACLES (NEC 220.44)
C = EQUIPMENT (CONTINUOUS) X 125%
E = EQUIPMENT (NON-CONTINUOUS) X 100%
M = MOTORS (LOAD + 25% OF LARGEST MOTOR)
F = FEEDERS
S = SPARE OR SPACE

MOUNTING	SPECIAL REQUIREMENTS: PROVIDE JUMPER FROM BUS 'A' TO BUS 'B' TO PROVIDE 120 VOLT PANEL
SURFACE	

LOCATION RM 80.2

NOTE: (N) = NEW CIRCUIT BREAKER AND CIRCUIT



1 E001 POWER RISER DIAGRAM
NO SCALE

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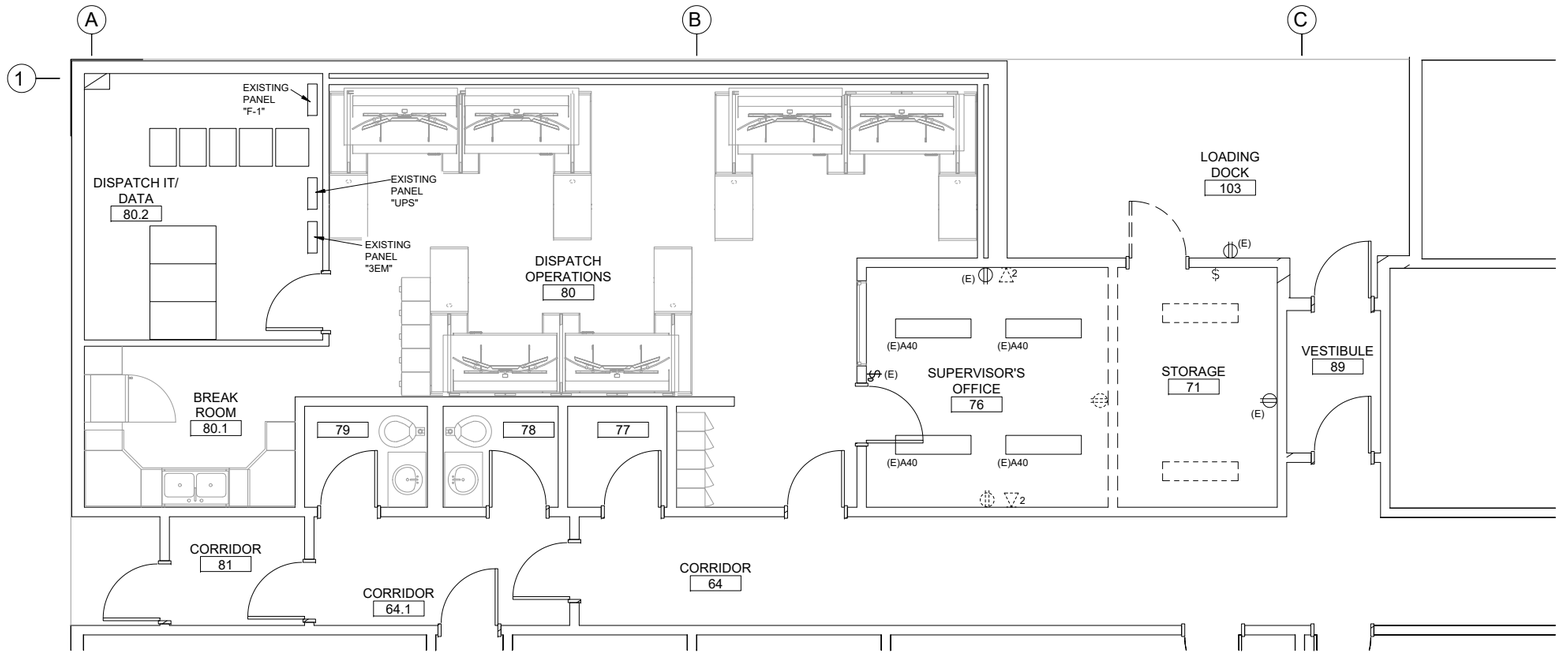
STATE OF ALASKA 49TH Robert S. Gras 22-Jul-2021 No. EE7352 REGISTERED PROFESSIONAL ENGINEER

STATE TROOPERS DISPATCH CENTER EXPANSION

ISSUE DATE	23 JUL 2021
COMM. NUMBER	042101
DESIGNED BY	RSG
DRAWN BY	RSG
SCALE	0" — 1"

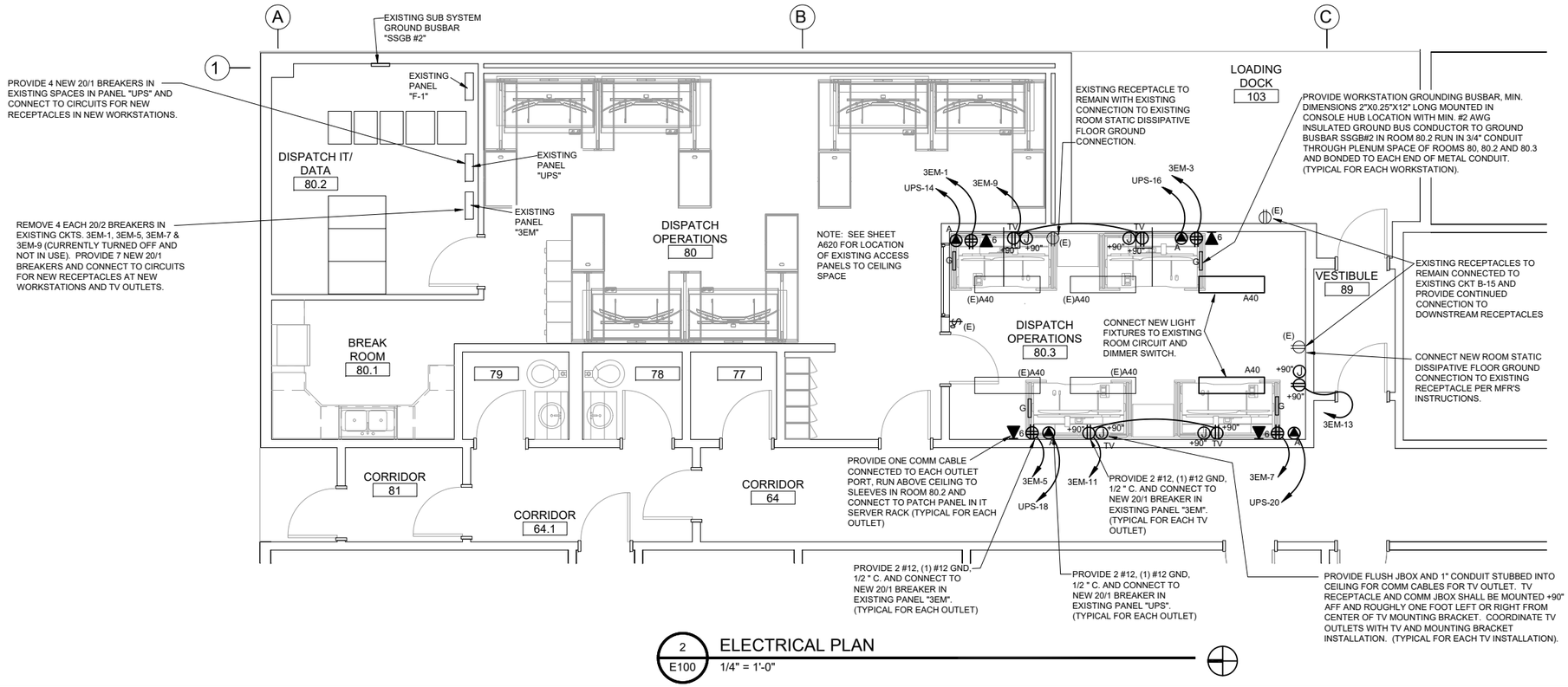
ELECTRICAL SYMBOL LEGEND, LIGHT FIXTURE SCHEDULE AND PARTIAL RISER DIAGRAM

E001



1 E100 ELECTRICAL DEMO PLAN

1/4" = 1'-0"



2 E100 ELECTRICAL PLAN

1/4" = 1'-0"

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STATE OF ALASKA 49 TH
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ELECTRICAL PLANS

E100