



STATE OF ALASKA DOT

STATE TROOPERS DISPATCH CENTER EXPANSION

FAIRBANKS, ALASKA

GENERAL
G001 GENERAL INFORMATION

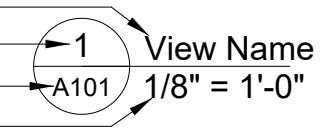
ARCHITECTURAL
A001 ARCHITECTURAL INFORMATION
A100 DEMOLITION PLAN - 1ST FLOOR
A200 RENOVATION PLAN - 1ST FLOOR
A530 EXTERIOR DETAILS - WALL INFILL
A620 INTERIOR PLAN - CEILING - 1ST FLOOR
A710 INTERIOR ELEVATION
A920 SCHEDULES AND TYPES

MECHANICAL
M001 MECHANICAL ABBREVIATIONS, LEGENDS, AND SCHEDULES
M100 MECHANICAL PLANS AND DETAILS

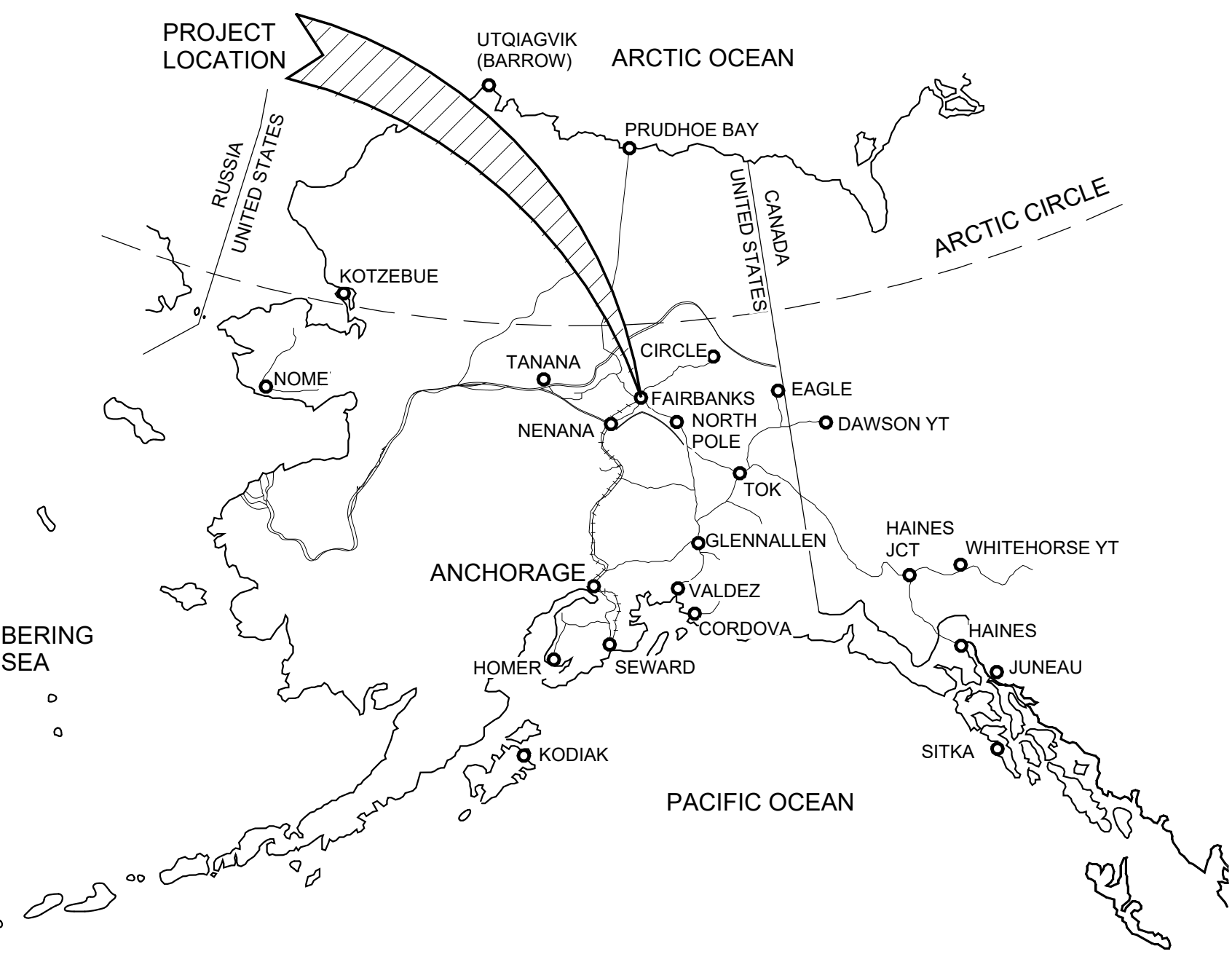
ELECTRICAL
E001 ELECTRICAL SYMBOL LEGEND, LIGHT FIXTURE SCHEDULE AND PARTIAL RISER DIAGRAM
E100 ELECTRICAL PLANS

GENERAL SYMBOLS

SEE DISCIPLINES FOR SPECIFIC SYMBOLS

NAME _____
NUMBER _____
SHEET LOCATION  View Name
SCALE

ALASKA MAP



VICINITY MAP



PROJECT TEAM

OWNERS REPRESENTATIVE
STATE OF ALASKA DOT
POINT OF CONTACT: JOHN ROCKWELL
1979 PEGER RD
FAIRBANKS, AK 99709
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DESIGNERS REPRESENTATIVE
DESIGN ALASKA
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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

STATE TROOPERS
DISPATCH
CENTER
EXPANSION

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

GENERAL
INFORMATION

G001

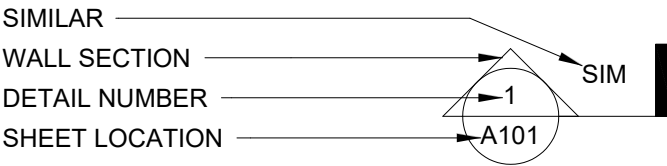
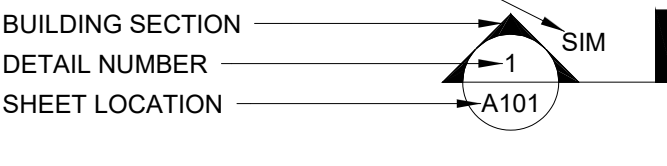
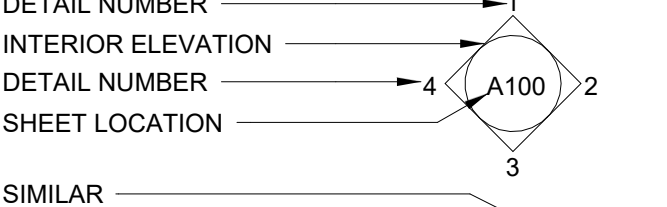
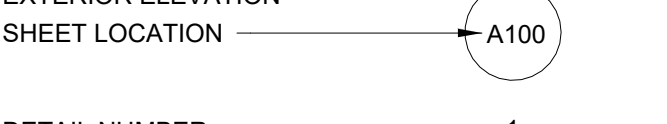
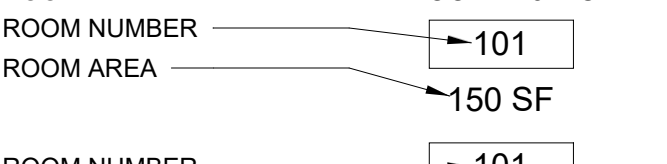
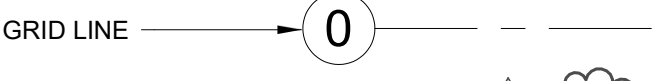
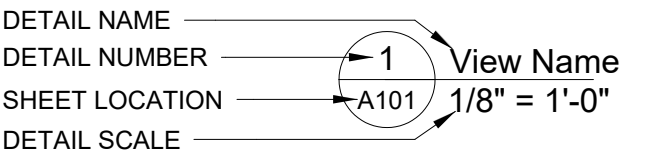
ARCHITECTURAL STANDARD ABBREVIATIONS

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

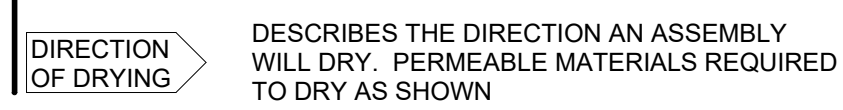
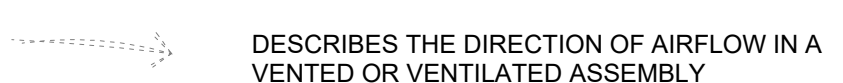
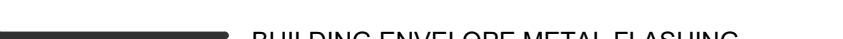
ARCHITECTURAL SYMBOL LEGEND

SEE OTHER DISCIPLINES FOR ADDITIONAL SYMBOLS

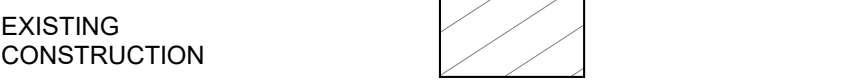
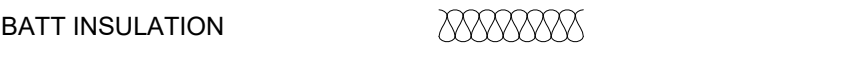


BUILDING ENVELOPE LEGEND

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



MATERIAL LEGEND



ARCHITECTURAL SHEET SEQUENCE

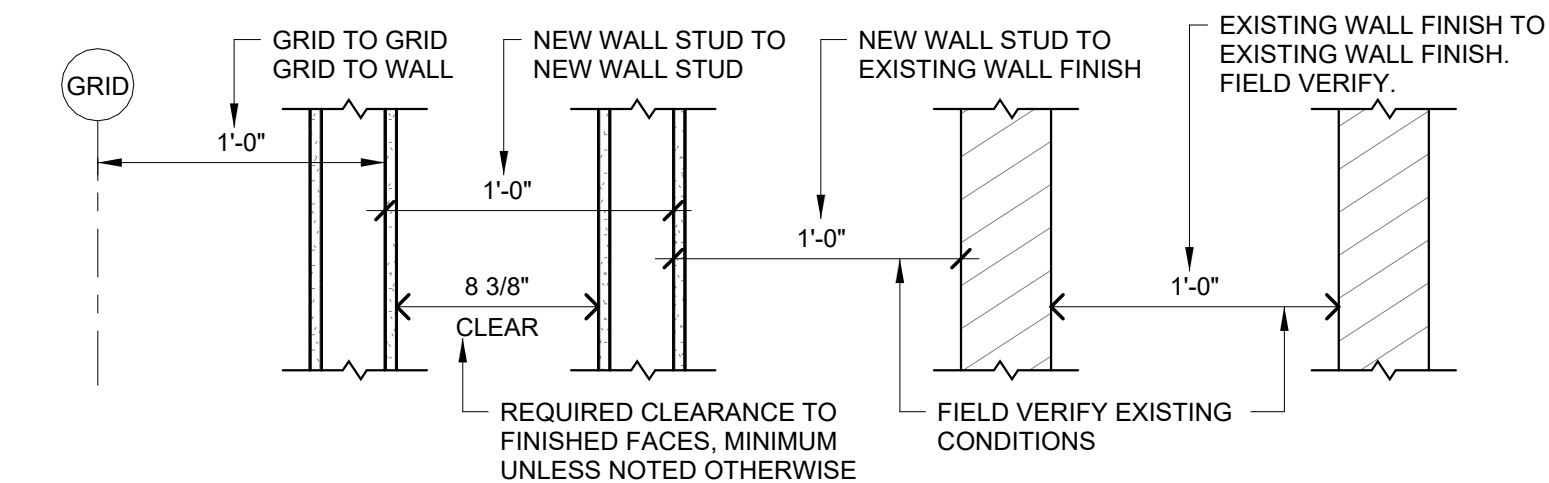
THIS REFERENCE IS INTENDED TO ASSIST WITH THE LOCATION OF INFORMATION IN A TYPICAL PROJECT. THIS PROJECT MAY VARY FROM THE REPRESENTATION BELOW. SEE THE SHEET INDEX FOR SPECIFIC SHEET SEQUENCE.

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

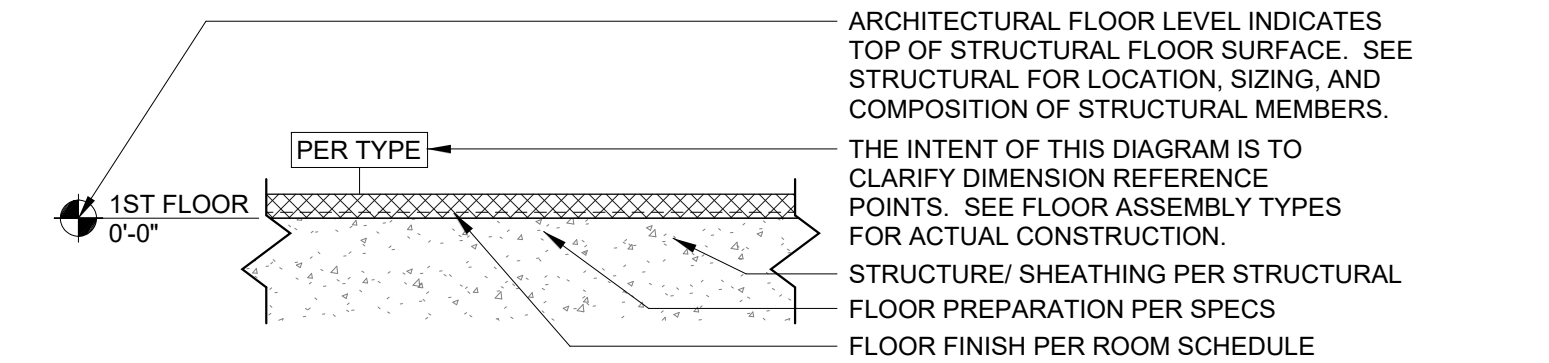
THE TWO CHARACTER ALPHANUMERIC DESIGNATIONS REPRESENT ALL SHEETS IN THE SERIES. FOR EXAMPLE, 'A1 SHEETS' DESCRIBES A100 THROUGH A199.

ARCHITECTURAL NOTES

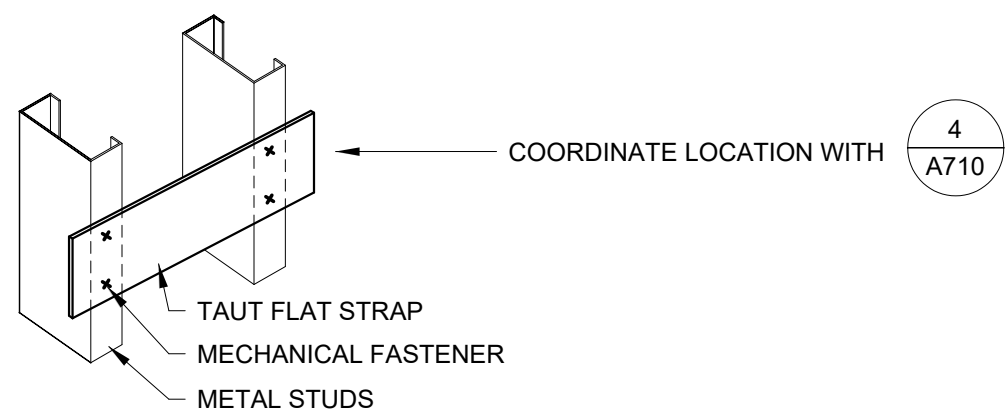
- A. ARCHITECTURAL NOTES CONVEY INTENT OF WORK COMPRISING THE ENTIRE ARCHITECTURAL DISCIPLINE.
B. SHEET NOTES CONVEY INTENT OF WORK COMPRISING THE ENTIRE SHEET ON WHICH THE NOTES APPEAR INCLUDING SHEETS ON WHICH THE NOTES ARE REFERENCED.
C. CONSTRUCTION DOCUMENTS ARE PREPARED FOR THE PURPOSES OF COMMUNICATING 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 INTERIOR DETAIL - FRAMING - DIMENSION REFERENCE POINT CONVENTIONS
1 1/2" = 1'-0"



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



3 INTERIOR DETAIL - FRAMING - BACKING WITH FLAT STRAP
1" = 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

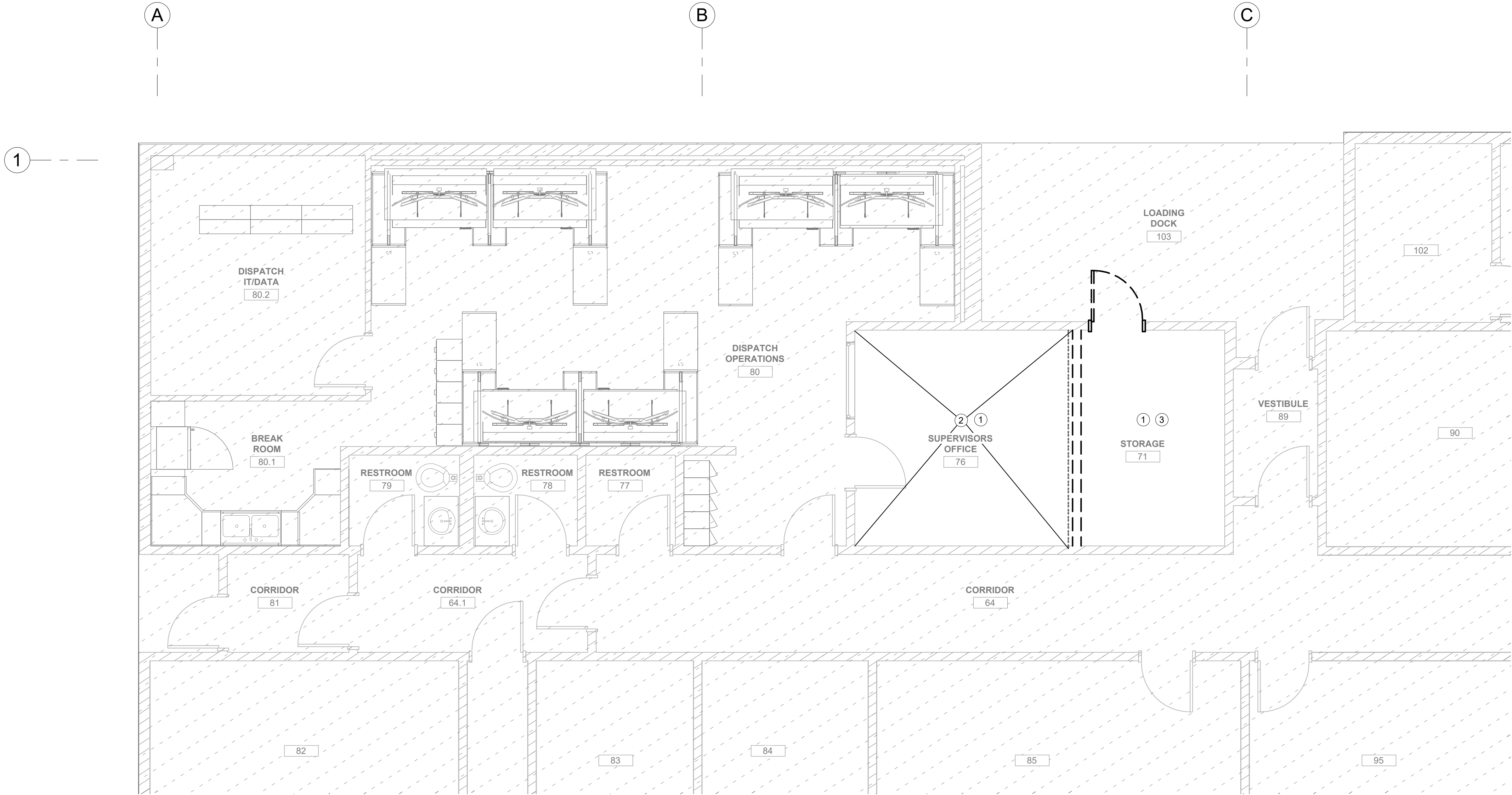
- ① REMOVE MATERIALS NOT REUSED IN NEW CONSTRUCTION. THIS INCLUDES INTERIOR WALLS, CASEWORK, FIXTURES, DOORS AND WALL MOUNTED ITEMS, FLOOR MOUNTED ITEMS, AND CEILING MOUNTED ITEMS, UNLESS OTHERWISE INDICATED.
- ITEMS TO REMAIN INCLUDE CONCRETE FLOOR SLABS, CEILINGS, ROOF DECKING, ROOFING; UNLESS OTHERWISE INDICATED.
- ② FLOORING TO REMAIN.
- ③ REMOVE FLOORING IN ROOM 71 AND MATCH TO EXISTING FINISH IN ROOM 76.

STATE TROOPERS
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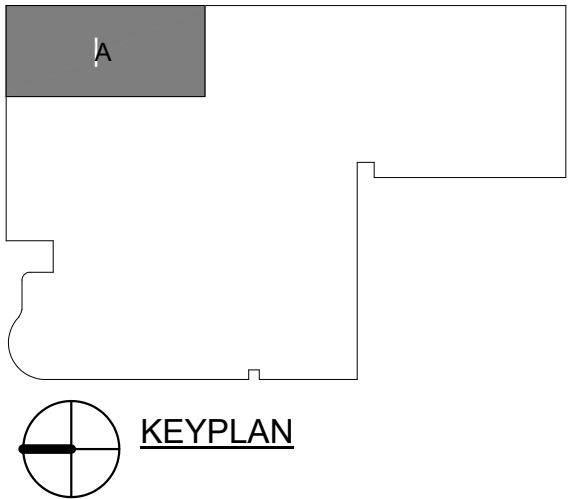
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DESIGNED BY RNM
DRAWN BY GMC
SCALE 0" 1"

DEMOLITION PLAN
- 1ST FLOOR

A100



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





OVERALL PLAN NOTES

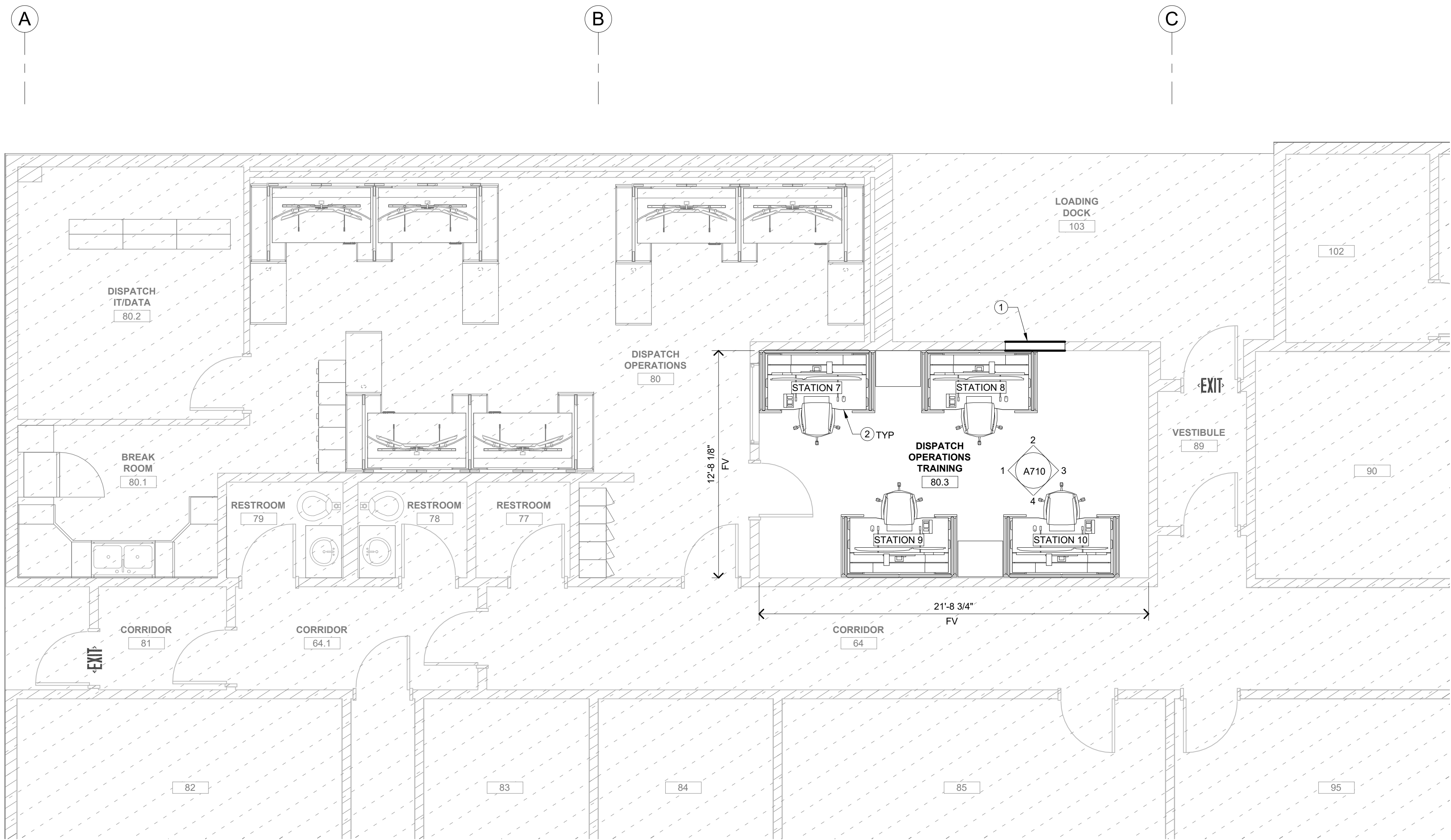
A. OVERALL PLANS ARE INTENDED TO SHOW SPATIAL RELATIONSHIPS FOR THE BUILDING AS A WHOLE. CONSTRUCTION COMPONENTS MAY BE SIMPLIFIED OR OMITTED FOR CLARITY.

FLOOR PLAN LEGEND

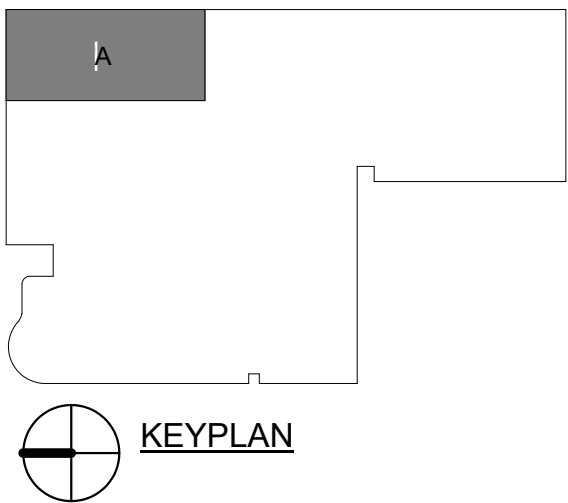
- NO ARCHITECTURAL WORK THIS AREA
- EXISTING WALL AND DOOR
- EXISTING WALL TO REMAIN
- WALL INFILL

KEYNOTES

- ① DOOR INFILL PER A530
- ② CONSOLES OFOI



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

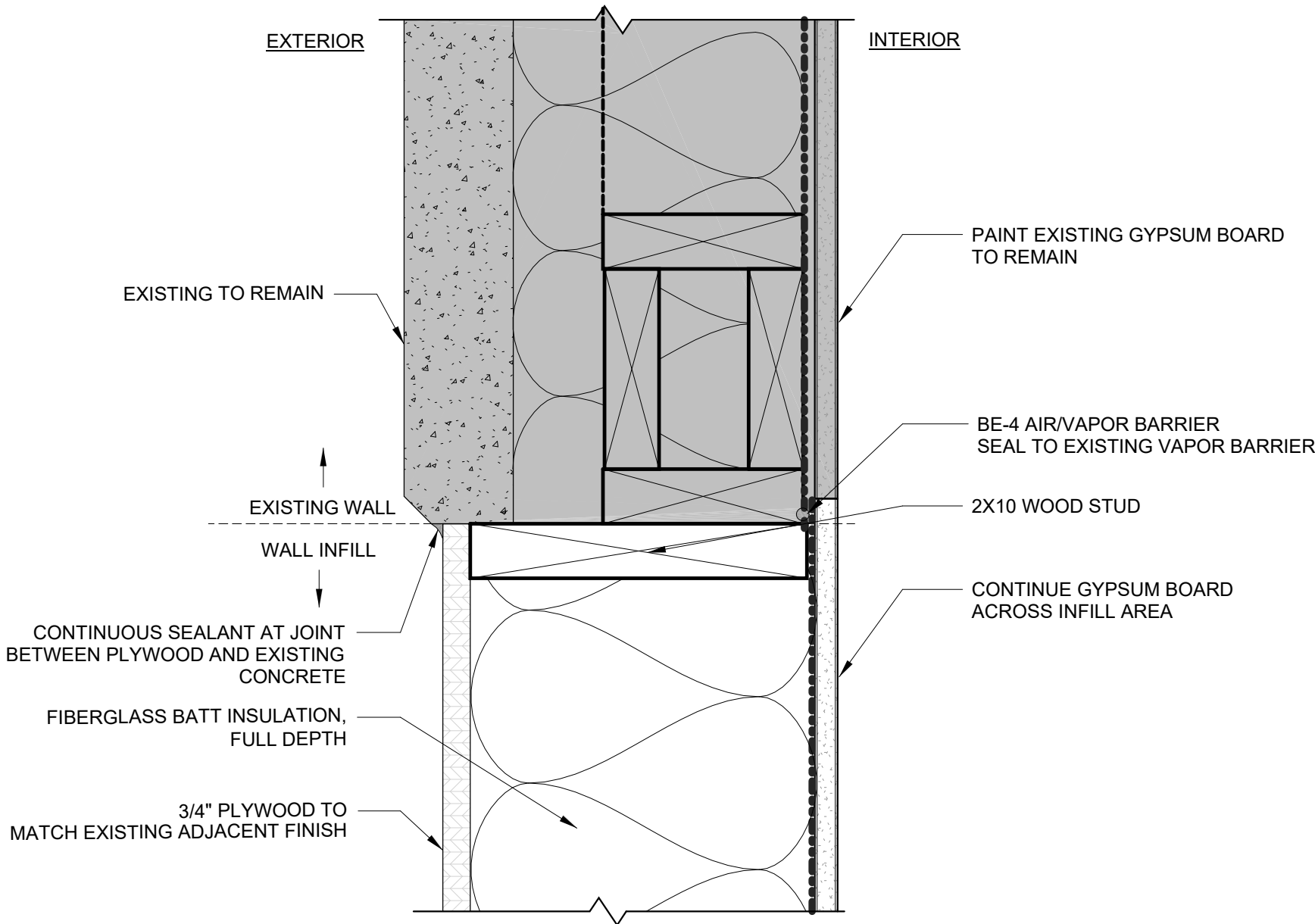


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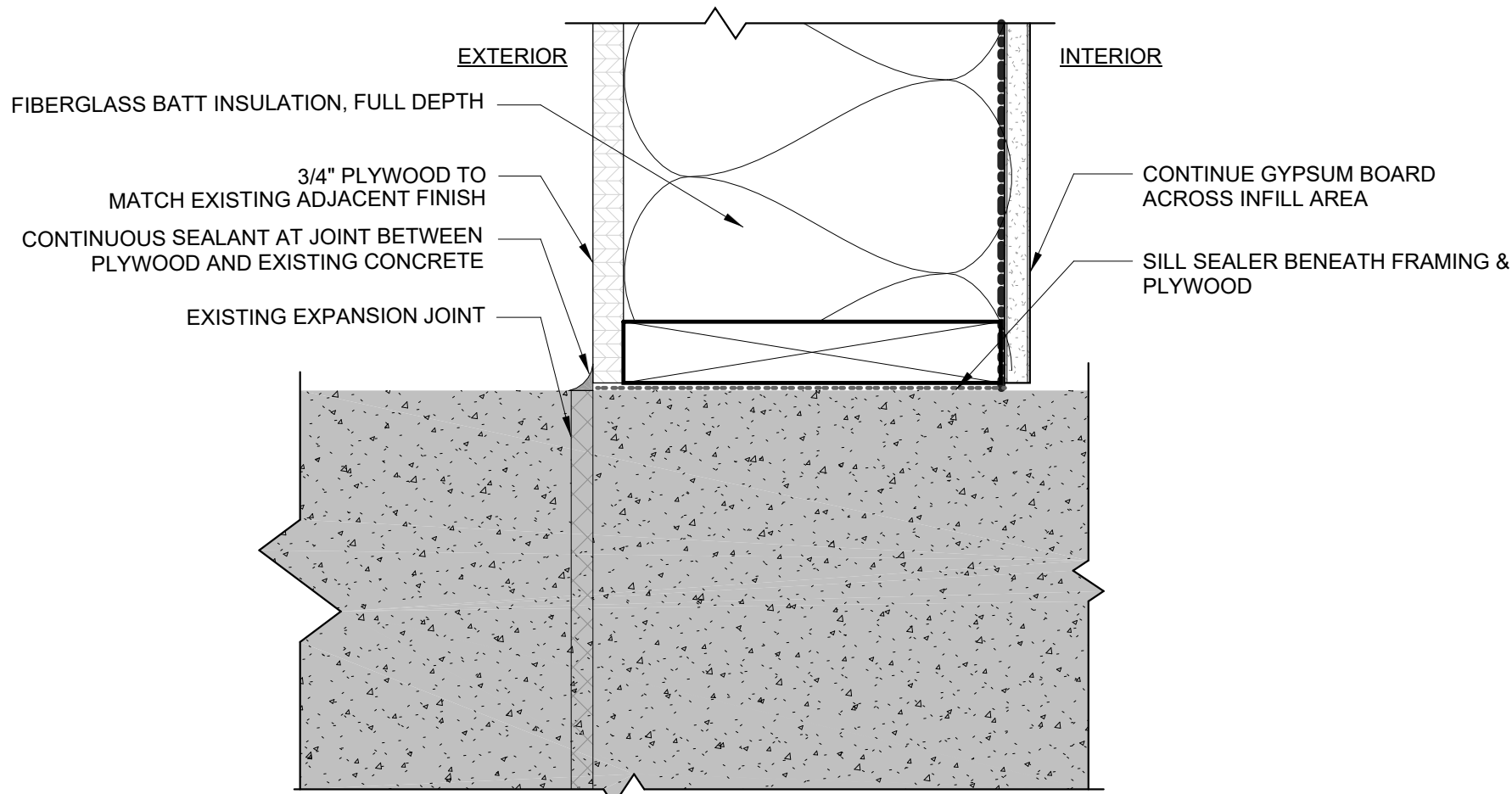
ISSUE DATE 23 JUL 2021
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DESIGNED BY RNM
DRAWN BY GMC
SCALE 0" 1"

RENOVATION
PLAN - 1ST FLOOR

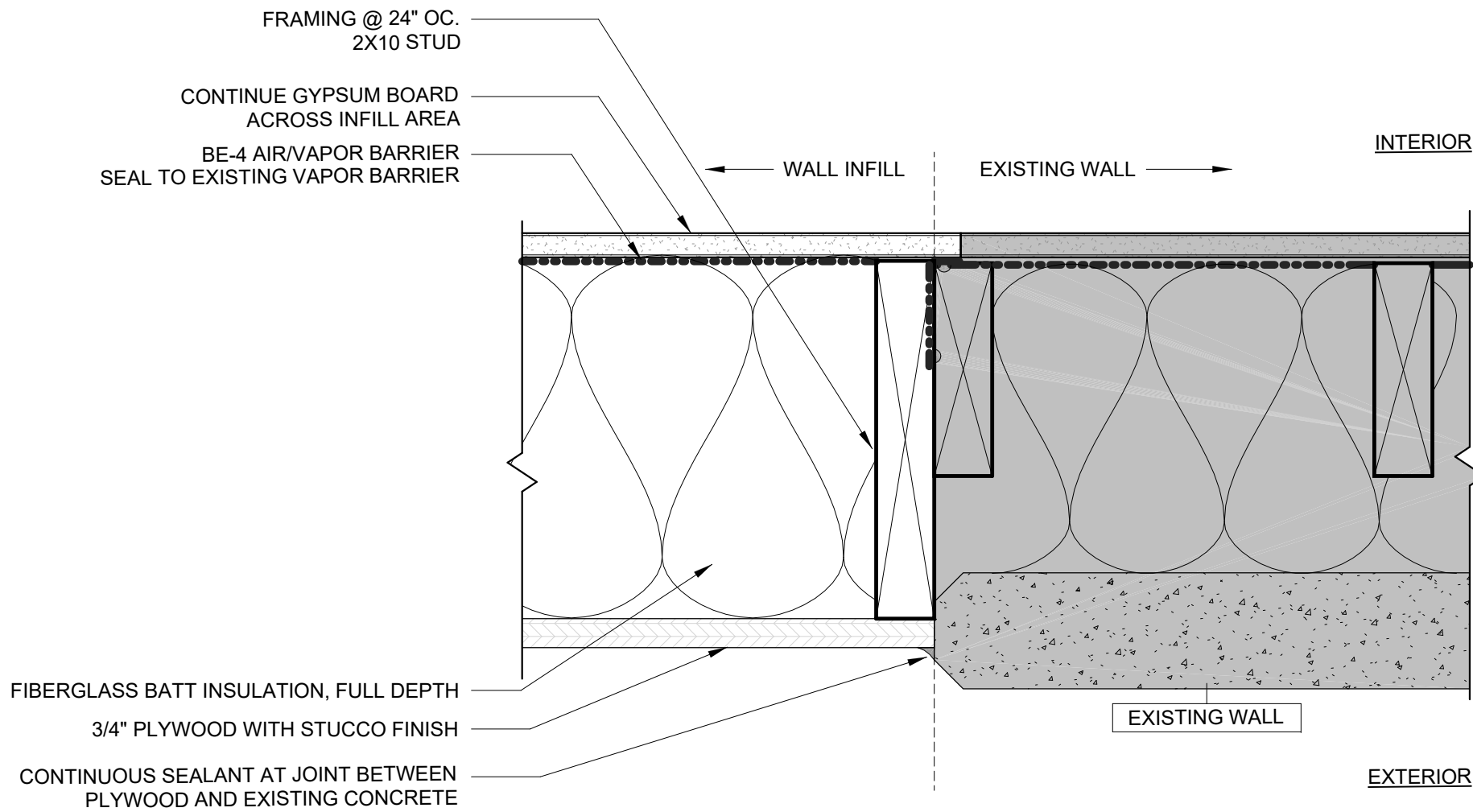
A200



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



BUILDING ENVELOPE INDEX

TYPE	BASIS OF DESIGN - PER MATERIAL SCHEDULE
BE-4	POLYETHYLENE 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: COMPATIBLE 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

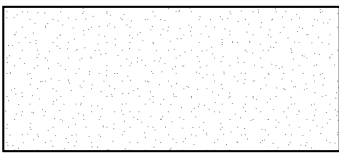


CEILING PLAN NOTES

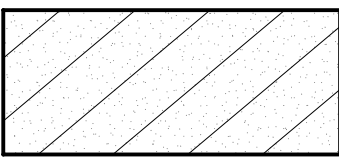
- A. COORDINATE MECHANICAL ELEMENTS INCLUDING, BUT NOT LIMITED TO DIFFUSERS, RETURN AIR SLOTS, ACCESS PANELS, AND EQUIPMENT WITH MECHANICAL DOCUMENTS.
- B. COORDINATE ELECTRICAL ELEMENTS INCLUDING, BUT NOT LIMITED TO LIGHTING, SENSORS, SPEAKERS, SIGNAGE, ACCESS PANELS, AND EQUIPMENT WITH ELECTRICAL DOCUMENTS.
- 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

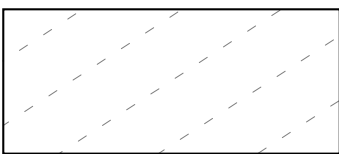
- 100 — ROOM NUMBER
- PNT-10 — CEILING FINISH
- 9'-0" — CEILING HEIGHT



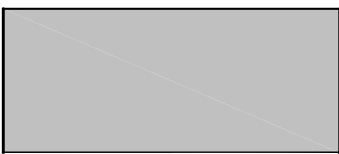
EXISTING PAINTED GYPSUM BOARD CEILING TO REMAIN



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

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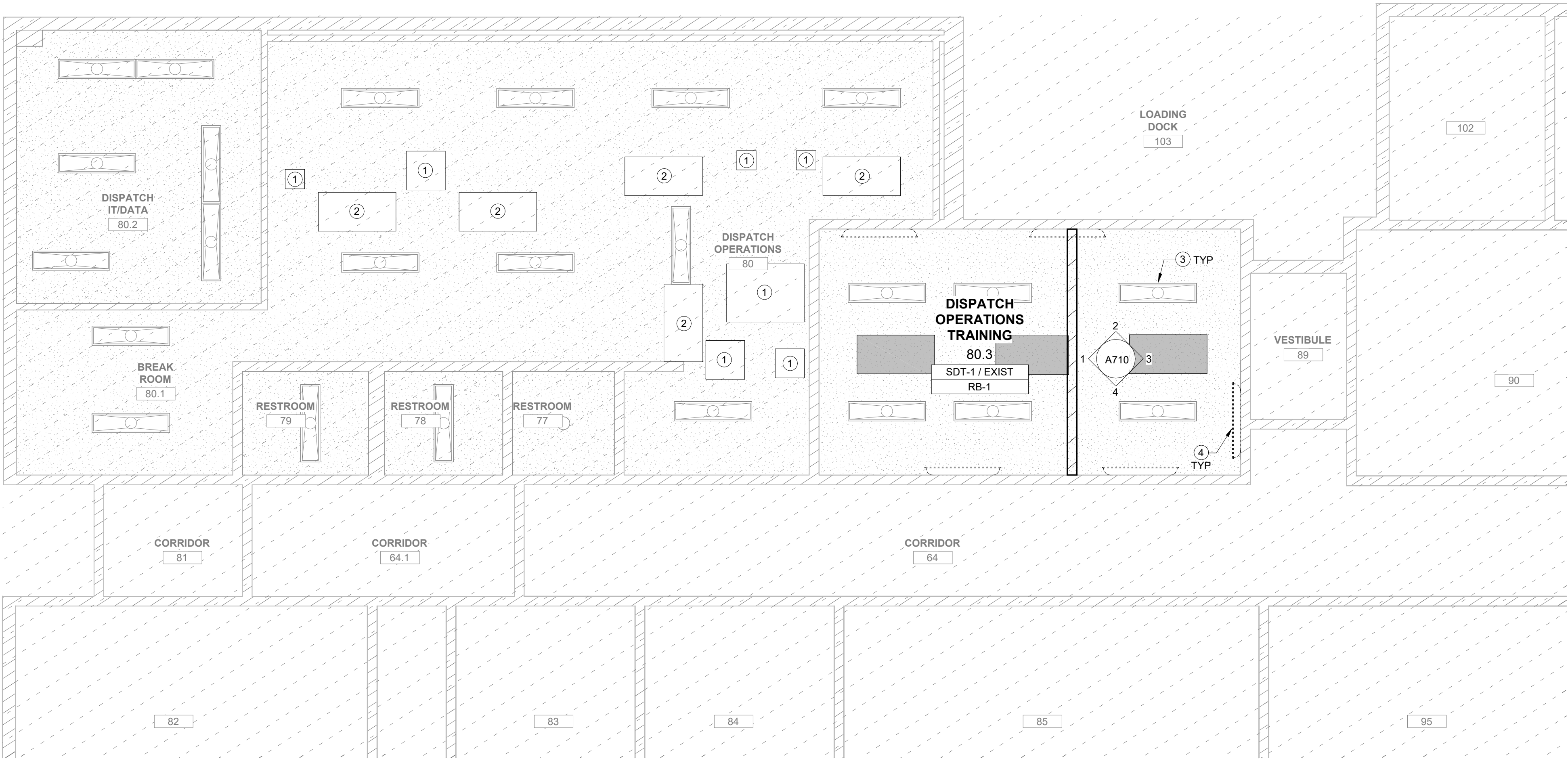
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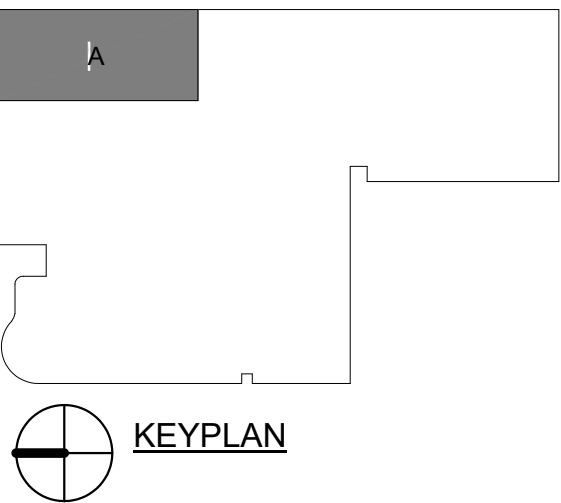
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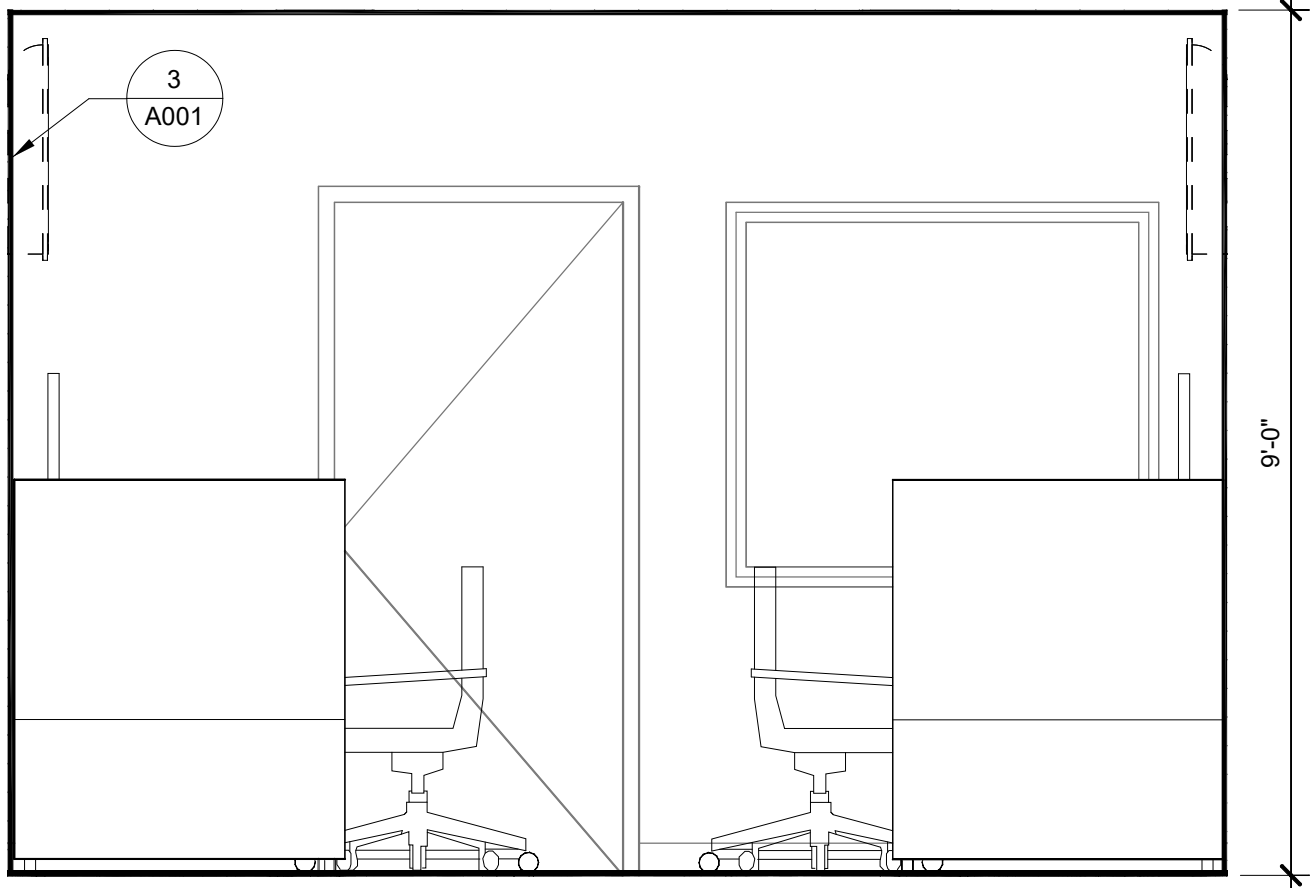
INTERIOR PLAN -
CEILING - 1ST
FLOOR

A620

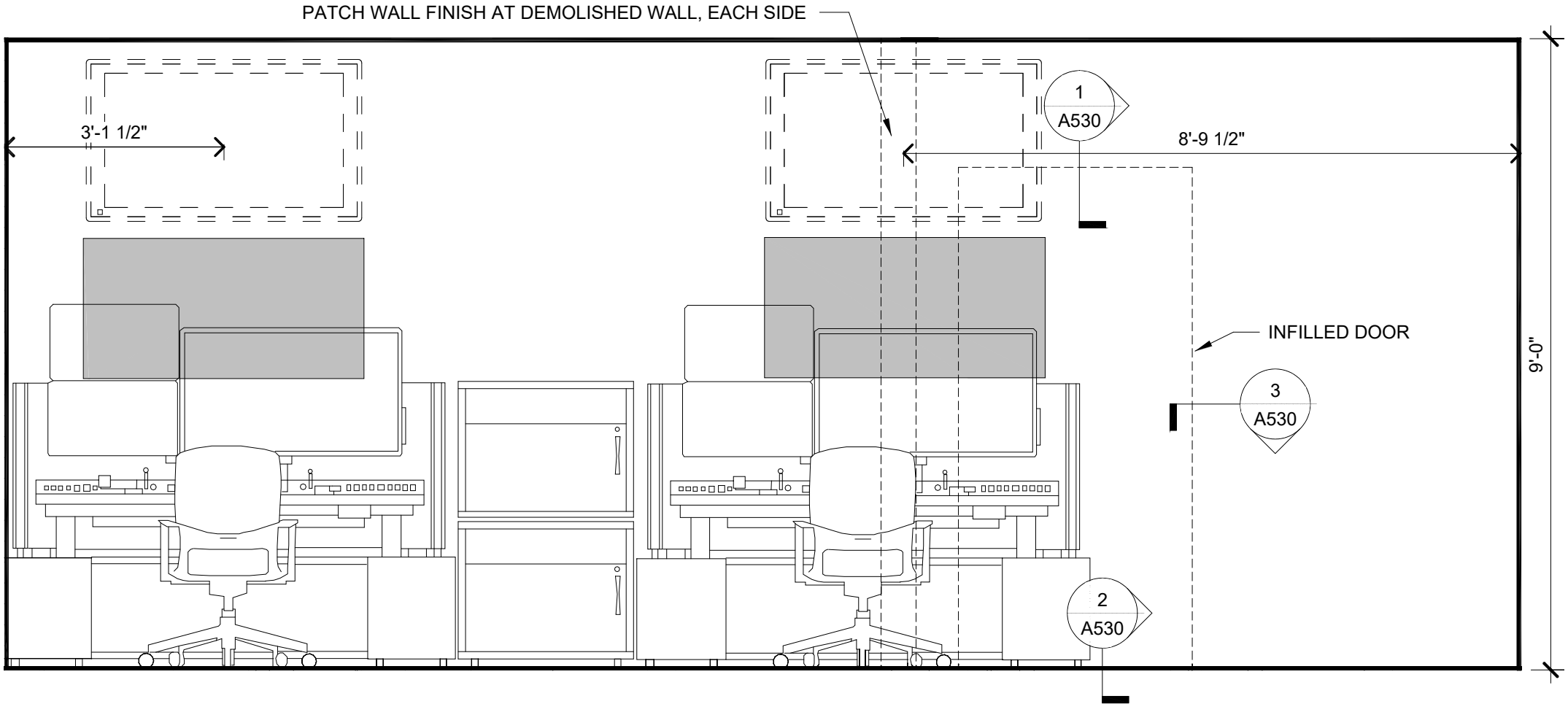


1 INTERIOR PLAN - CEILING - 1ST FLOOR
A620 1/4" = 1'-0"

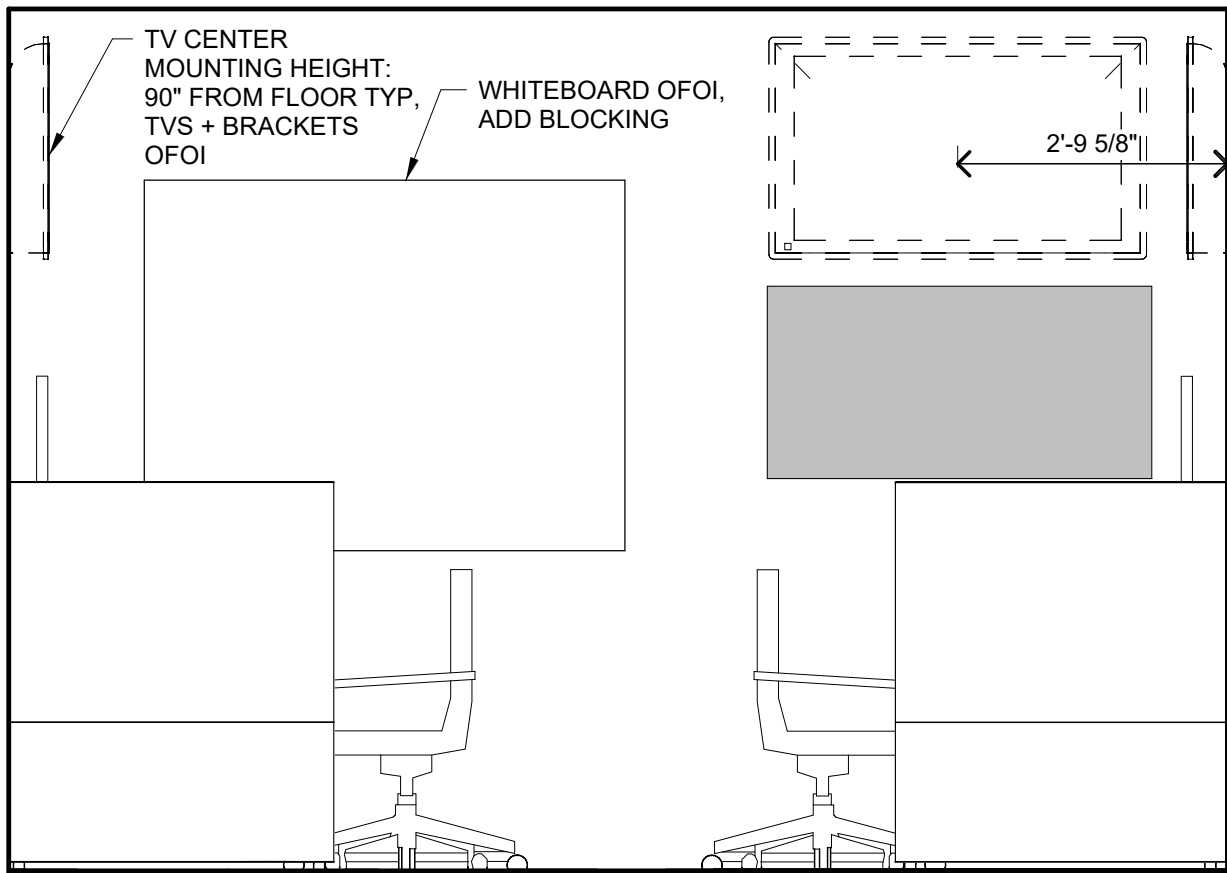




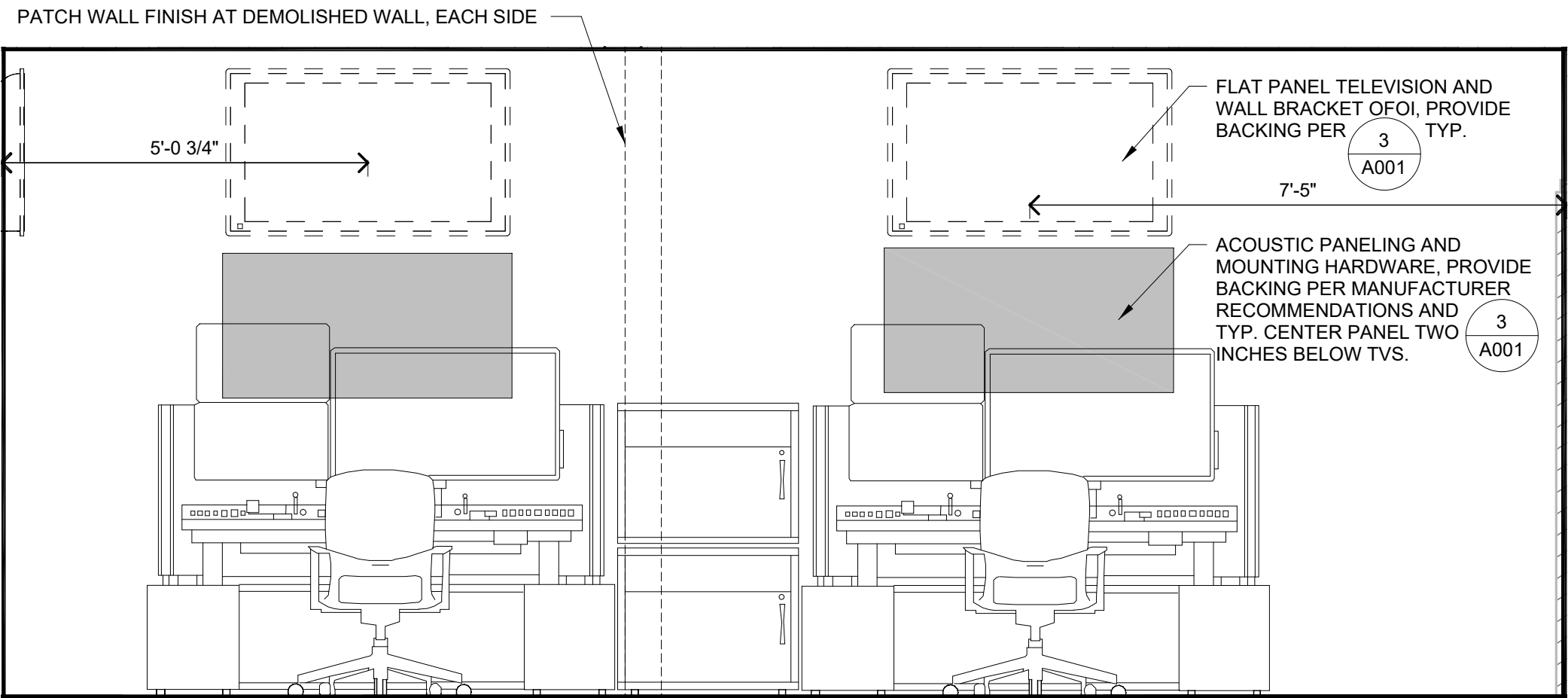
1
A710
INTERIOR ELEVATION - TRAINING FACILITY- NORTH
1/2" = 1'-0"



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"

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.

Design
Alaska

Architects · Engineers · Surveyors
601 College Road Fairbanks AK 99701
907.452.1241 AECC511 designalaska.com



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INTERIOR
ELEVATION

A710

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

Design
Alaska

Architects · Engineers · Surveyors
601 College Road Fairbanks AK 99701
907.452.1241 AECC511 designalaska.com



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.

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

STATE TROOPERS
DISPATCH
CENTER
EXPANSION

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

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

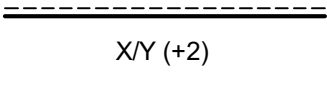
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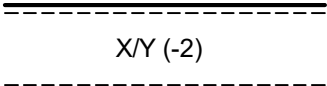
 SENSOR


 DUCT FLOW ARROW

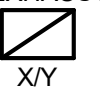
 MOTORIZED DAMPER


DUCT LEGEND


 X/Y (+2)

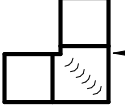
 X/Y (-2)

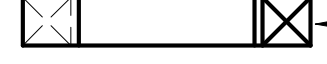
 X/Y

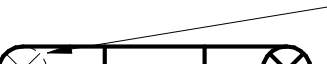
 X/Y


 XØ


 XØ














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)

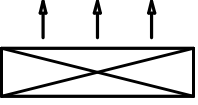
RECTANGULAR ELBOW UP (OUT OF THE PAGE)

ROUND ELBOW DOWN (INTO THE PAGE)

ROUND ELBOW UP (OUT OF THE PAGE)

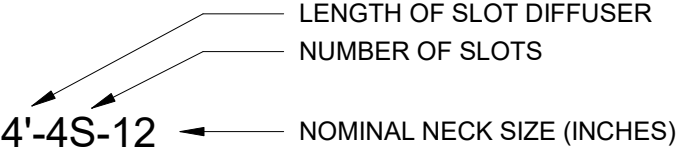
FLEXIBLE DUCTWORK

AIR TERMINAL LEGEND



SLOT DIFFUSER (FLOW ARROWS
INDICATE DIRECTION OF AIRFLOW)


MECHANICAL TAG LEGEND



SLOT DIFFUSER TAG

LENGTH OF SLOT DIFFUSER
NUMBER OF SLOTS
NOMINAL NECK SIZE (INCHES)

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.

STATE TROOPERS
DISPATCH
CENTER
EXPANSION

ISSUE DATE23 JUL 2021

COMM. NUMBER042101

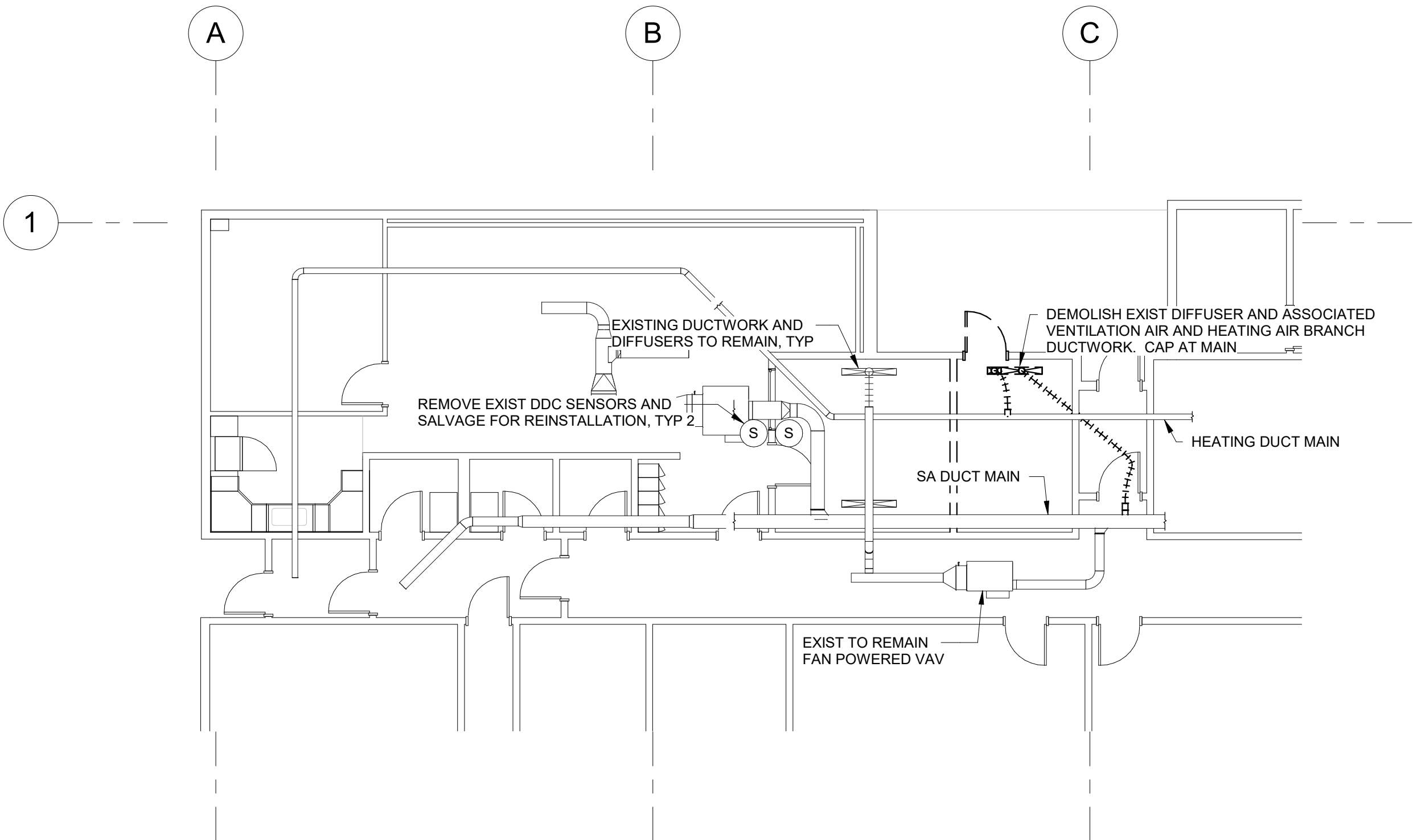
DESIGNED BYBAB

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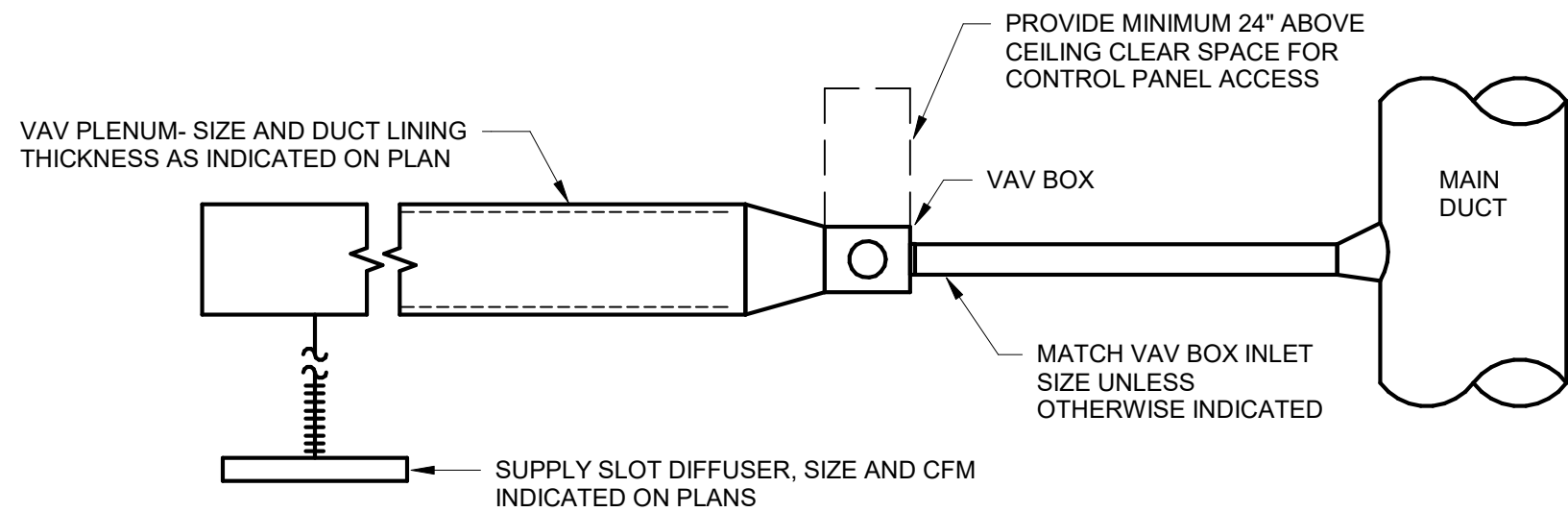
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MECHANICAL
ABBREVIATIONS,
LEGENDS, AND
SCHEDULES

M001



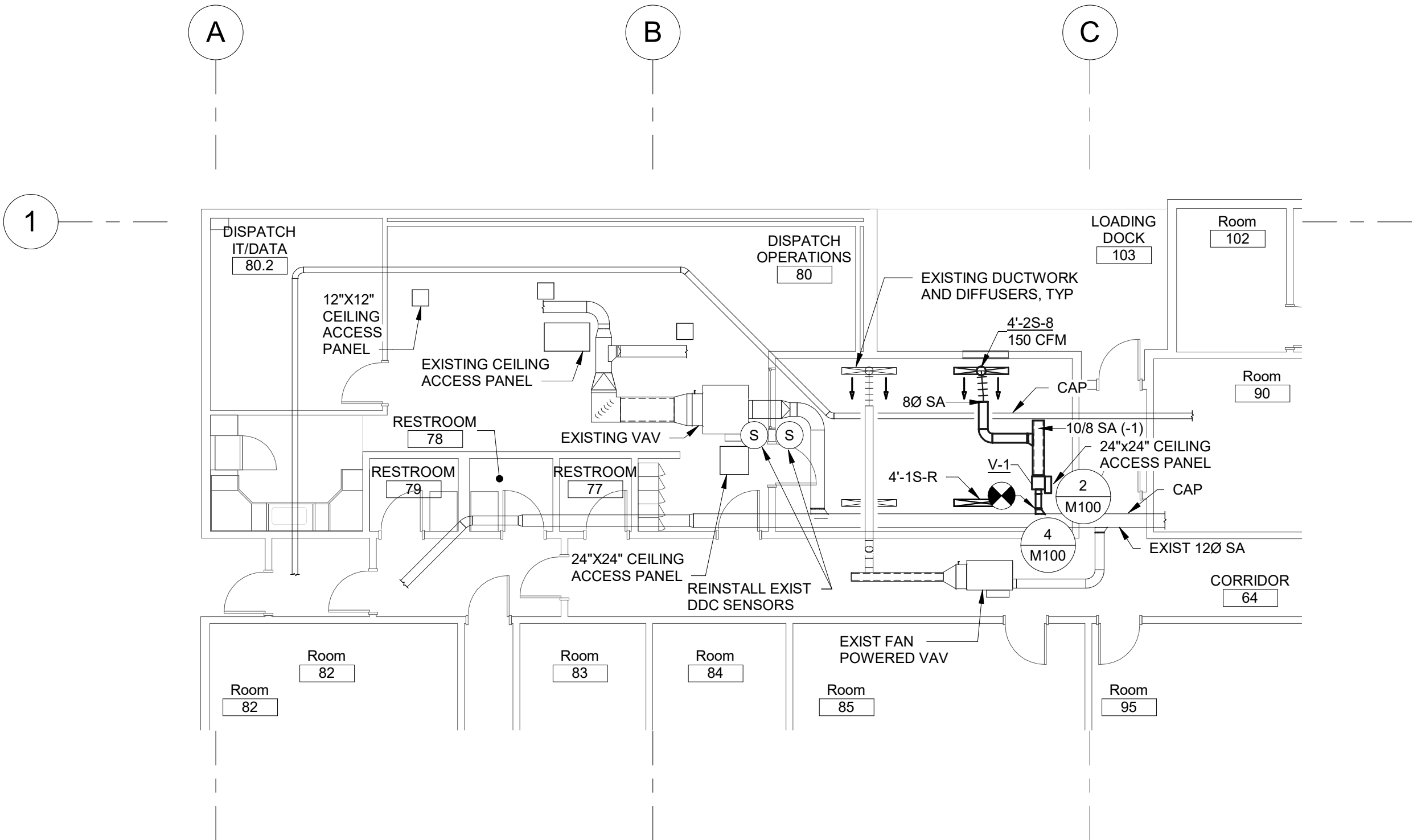
1 MECHANICAL DEMOLITION PLAN
1/8" = 1'-0"



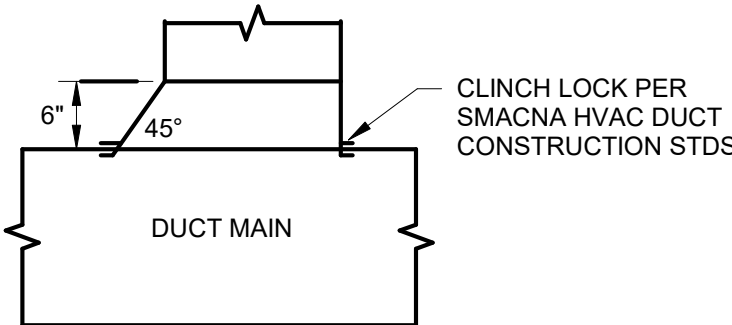
GENERAL NOTES

- 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 VAV BOX DETAIL
NO SCALE



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



4 SHOE TAP DETAIL
NO SCALE

STATE TROOPERS DISPATCH CENTER EXPANSION

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

MECHANICAL PLANS AND DETAILS

M100

ELECTRICAL SYMBOL LEGEND

1

NOTE KEY - INDICATES NOTES APPLICABLE ON EACH SHEET

SWITCHES UP 4"-0", UON: SPST; THREE-WAY, DIMMER SWITCH

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.

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

JUNCTION BOX

EQUIPMENT CONNECTION

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.

EXISTING TO REMAIN

OWNER FURNISHED OWNER INSTALLED

UNLESS OTHERWISE NOTED

FLEXIBLE CONDUIT

CONCEALED CONDUIT (NOTE A BELOW)

EXPOSED CONDUIT (NOTE A BELOW)

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	640	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	NOTES		
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			
N.E.C. FEEDER CALCULATIONS:				(VA)	(A)	LOAD TYPE:							
LIGHTING				1,000 VA	2.8 A	L = LIGHTING (LOAD X 125%)							
RECEPTACLES				8,200 VA	22.8 A	R = RECEPTACLES (NEC 220.44)							
EQUIPMENT (CONTINUOUS)				12,375 VA	34.3 A	C = EQUIPMENT (CONTINUOUS) X 125%							
EQUIPMENT (NON-CONTINUOUS)				10,000 VA	27.8 A	E = EQUIPMENT (NON-CONTINUOUS) X 100%							
MOTORS				4,100 VA	11.4 A	M = MOTORS (LOAD + 25% OF LARGEST MOTOR)							
TOTAL DEMAND LOAD				35,675 VA	99.0 A	F = FEEDERS							
MOUNTING SURFACE				SPECIAL REQUIREMENTS: PROVIDE 120VAC SHUNT TRIP MAIN BREAKER								LOCATION RM 80.2	

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		NOTES	
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			
N.E.C. FEEDER CALCULATIONS:				(VA)	(A)	LOAD TYPE:						
LIGHTING				0 VA	0.0 A	L = LIGHTING (LOAD X 125%)						
RECEPTACLES				0 VA	0.0 A	R = RECEPTACLES (NEC 220.44)						
EQUIPMENT (CONTINUOUS)				0 VA	0.0 A	C = EQUIPMENT (CONTINUOUS) X 125%						
EQUIPMENT (NON-CONTINUOUS)				11,000 VA	91.7 A	E = EQUIPMENT (NON-CONTINUOUS) X 100%						
MOTORS				500 VA	4.2 A	M = MOTORS (LOAD + 25% OF LARGEST MOTOR)						
TOTAL DEMAND LOAD				11,500 VA	95.8 A	F = FEEDERS						
MOUNTING SURFACE		SPECIAL REQUIREMENTS: PROVIDE JUMPER FROM BUS 'A' TO BUS 'B' TO PROVIDE 120 VOLT PANEL				S = SPARE OR SPACE		LOCATION RM 80.2				
NOTE: (N) = NEW CIRCUIT BREAKER AND CIRCUIT												

Design
Alaska

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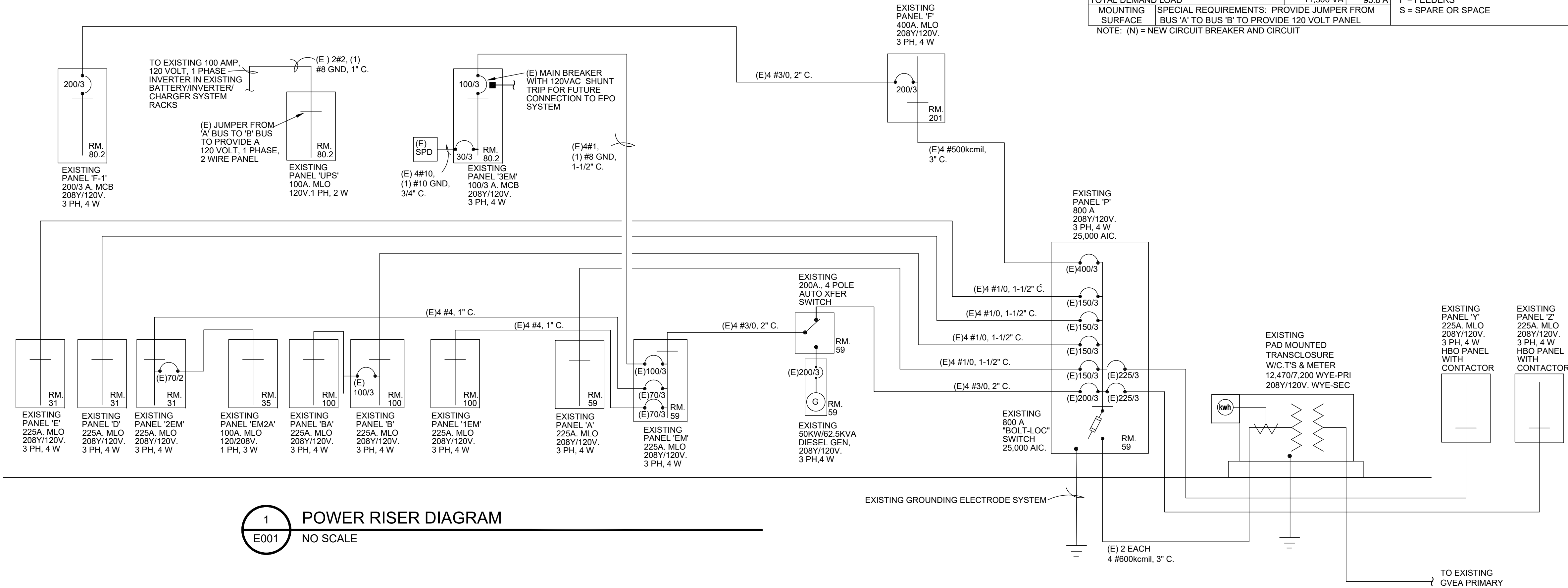


STATE TROOPERS
DISPATCH
CENTER
EXPANSION

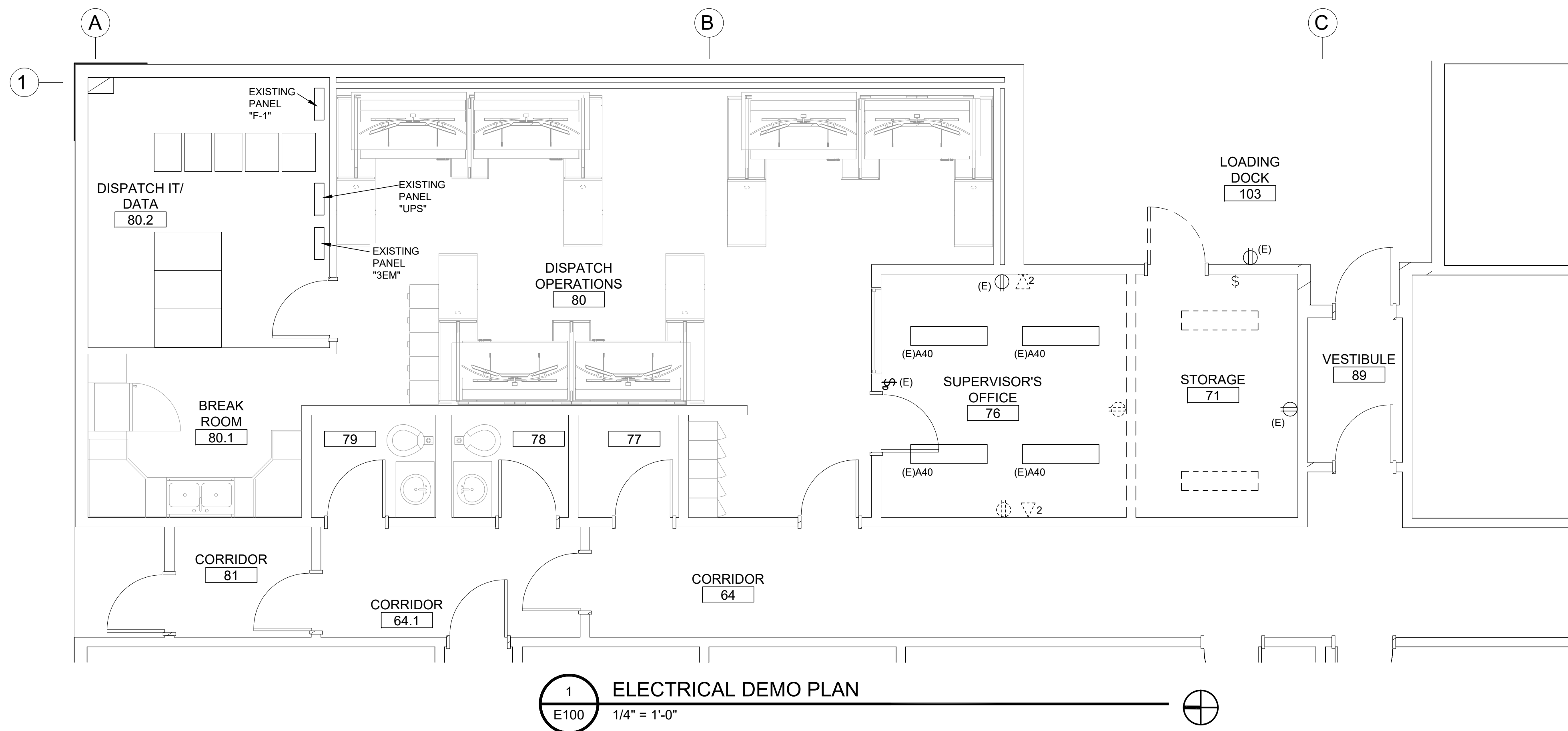
ISSUE DATE 23 JUL 2021
COMM. NUMBER 042101
DESIGNED BY RSG
DRAWN BY RSG
SCALE 0" = 1"

ELECTRICAL
SYMBOL LEGEND,
LIGHT FIXTURE
SCHEDULE AND
PARTIAL RISER
DIAGRAM

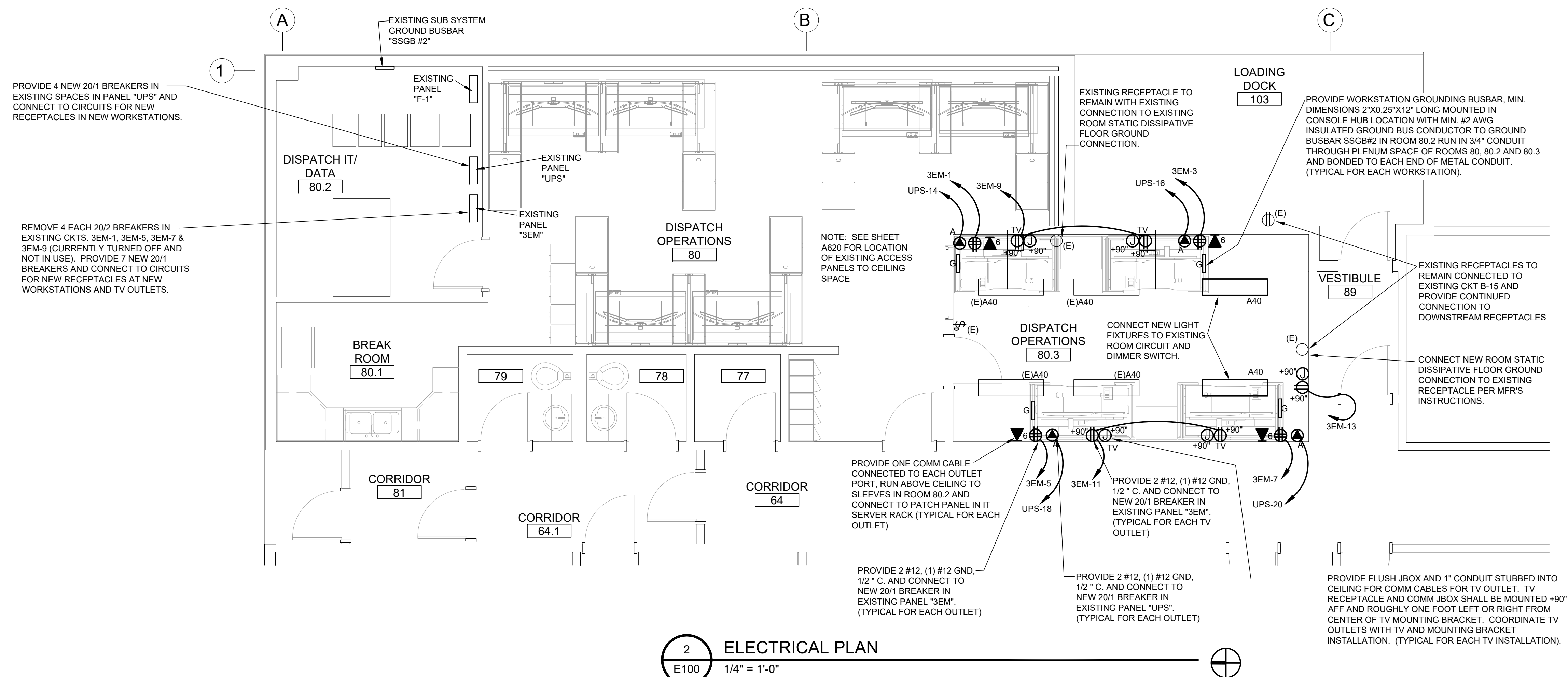
E001



1 POWER RISER DIAGRAM
E001 NO SCALE



1 ELECTRICAL DEMO PLAN
E100 1/4" = 1'-0"



2 ELECTRICAL PLAN
E100 1/4" = 1'-0"

STATE TROOPERS
DISPATCH
CENTER
EXPANSION

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DESIGNED BY RSG
DRAWN BY RSG
SCALE 0" = 1"

ELECTRICAL
PLANS

E100