# CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
## 1010 2ND AVE S., FARGO, ND 58103




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## LIST OF ABBREVIATIONS

| CODE | LIST OF ABBREVIATIONS DESCRIPTION |
|---|---|
| A/E | ARCHITECT/ENGINEER |
| AC | ALTERNATING CURRENT |
| ACI | AMERICAN CONCRETE INSTITUTE |
| ACM | ASBESTOS CONTAINING MATERIAL |
| ACT | ACOUSTICAL CEILING TILE |
| ADA | AMERICANS W/DISABILITIES ACT |
| AFF | ABOVE FINISH FLOOR |
| AHU | AIR HANDLING UNIT |
| AISC | AMERICAN INSTITUTE OF STEEL CONSTRUCTION |
| ALT | ALTERNATE |
| ALUM | ALUMINUM |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE |
| ARCH | ARCHITECT |
| ASI | ARCHITECTURAL SUPPLEMENTAL INSTRUCTION |
| AWI | AMERICAN WOODWORKING INSTITUTE |
| BD | BOARD |
| BLDG | BUILDING |
| BM | BEAM |
| BOT | BOTTOM |
| BRG | BEARING |
| BTU | BRITISH THERMAL UNITS |
| BUR | BUILT UP ROOFING |
| CAB | CABINET |
| CB | CATCH BASIN |
| CG | CORNER GUARD |
| CI | CAST IRON |
| CIP | CAST IN PLACE |
| CJ | CONTROL JOINT |
| CLG | CEILING |
| CLR | CLEAR |
| CMU | CONCRETE MASONRY UNIT |
| CO | CLEAN OUT |
| CONC | CONCRETE |
| CPT | CARPET |
| CSMT | CASEMENT |
| CSWK | CASEWORK |
| CT | CERAMIC TILE |
| CUH | CABINET UNIT HEATER |
| CWT | CERAMIC WALL TILE |
| DEMO | DEMOLITION |
| DEPT | DEPARTMENT |
| DF | DRINKING FOUNTAIN |
| DIA | DIAMETER |
| DIAG | DIAGONAL |
| DIM | DIMENSION |
| DIST | DISTANCE |
| DOC | DOCUMENT |
| DR | DOOR |
| DTL | DETAIL |
| DW | DISHWASHER |
| DWG | DRAWING |
| EA | EACH |
| EIFS | EXTERIOR INSULATION FINISH SYSTEM |
| EJ | EXPANSION JOINT |
| ELEC | ELECTRIC |
| ELEV | ELEVATOR/ELEVATION |
| EP | EPOXY PAINT |
| EQ | EQUAL |
| EQUP | EQUIPMENT |
| EWC | ELECTRIC WATER COOLER |
| EXIST | EXISTING |
| FD | FLOOR DRAIN |
| FEC | FIRE EXTINGUISHER CABINET |
| FF | FINISH FLOOR |
| FFE | FURNITURE, FIXTURE, AND EQUIPMENT |
| FHC | FIRE HOSE CABINET |
| FIN | FINISH |
| FLR | FLOOR |
| FND | FOUNDATION |
| FTG | FOOTING |
| FWC | FABRIC WALL COVERING |
| GALV | GALVANIZED |

## LIST OF ABBREVIATIONS

| CODE | LIST OF ABBREVIATIONS DESCRIPTION |
|---|---|
| GC | GENERAL CONTRACTOR |
| GEN | GENERAL |
| GL | GLASS OR GLAZING |
| GWB | GYPSUM WALL BOARD |
| HB | HOSE BIB |
| HCP | HANDICAP |
| HDW | HARDWARE |
| HDWD | HARDWOOD |
| HM | HOLLOW METAL |
| HORZ | HORIZONTAL |
| HT | HEIGHT |
| IBC | INTERNATIONAL BUILDING CODE |
| INSUL | INSULATION |
| JAN | JANITOR |
| LAM | LAMINATE |
| LAV | LAVATORY |
| MAS | MASONRY |
| MB | MARKERBOARD |
| MDF | MEDIUM DENSITY FIBERBOARD |
| MECH | MECHANICAL |
| MH | MANHOLE |
| ML | MATCHLINE |
| MTL | METAL |
| MTL STD | METAL STUD |
| NC | NON COMBUSTIBLE |
| NIC | NOT IN CONTRACT |
| NOM | NOMINAL |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| OFCI | OWNER FURNISHED CONTRACTOR INSTALLED |
| OFOI | OWNER FURNISHED OWNER INSTALLED |
| OH | OVERHEAD |
| OSB | ORIENTED STRAND BOARD |
| PB | PARTICLE BOARD |
| PC | PRECAST |
| PLAM | PLASTIC LAMINATE |
| PLAST | PLASTER |
| PLYWD | PLYWOOD |
| PREV | PREVIOUS |
| PROV | PROVIDED |
| PT | PAINT |
| PTD | PAPER TOWEL DISPENSER |
| RAD | RADIUS |
| REINF | REINFORCEMENT |
| REQ'D | REQUIRED |
| REV | REVERSE |
| RM | ROOM |
| RO | ROUGH OPENING |
| RTU | ROOF TOP UNIT |
| SD | SMOKE DETECTOR |
| SECT | SECTION |
| SHT | SHEET |
| SIM | SIMILAR |
| SPD | SOAP DISPENSER |
| SPEC | SPECIFICATIONS |
| SQ | SQUARE |
| SUSP | SUSPEND |
| TC | THIN COAT |
| TEMP | TEMPORARY/TEMPERATURE |
| TO | TOP OF |
| TP | TOILET PARTITIONS |
| TPD | TOILET PAPER DISPENSER |
| TRTD | TREATED |
| TS | TRANSITION STRIP |
| TYP | TYPICAL |
| UL | UNDERWRITERS LABORATORIES |
| UNO | UNLESS NOTED OTHERWISE |
| VCT | VINYL COMPOSITION TILE |
| W/ | WITH |
| WD | WOOD |
| WDW | WINDOW |

## PROJECT SPEC ID LIST

| SPEC ID | SPEC. SECTION & DESCRIPTION |
|---|---|
| ACOUST GL-1 | SOUND COUNTROL GLAZING |
| ACT-1 | 09 5100 - ACOUSTIC CEILING TILE |
| ACT-2 | 09 5100 - ACOUSTIC CEILING TILE |
| AIR BAR-3 | 07 2700 - FLUID-APPLIED VAPOR PERMEABLE MEMBRANE |
| ALCNL-1 | FRAMELESS GLAZED INTERIOR WALL ASSEMBLIES |
| ALFRM-2 | FRAMED GLAZED INTERIOR WALL AND DOOR ASSEMBLIES |
| ALSTOR-1 | 08 4313 - THERMALLY BROKEN ALUMINUM STORE FRONT |
| ALSTOR-2 | 08 4313 - NON-THERMALLY BROKEN ALUMINUM STORE FRONT |
| BCS-1 | 10 2800 - BABY CHANGING STATION; POLYETHYLENE |
| BRICK TIE | 04 2000 - BRICK TIE, EYE AND PINTLE |
| BRK-1 | 04 2000 - BRICK |
| CG-1 | 10 2600 - CORNER GUARD |
| CG-2 | 10 2600 - CORNER GUARD |
| CMU-1 | 04 2000 - STANDARD GREY CMU |
| COMP-1 | 10 2113.19 - PLASTIC TOILET COMPARTMENT |
| CPT-1 | 09 6813 - TILE CARPETING |
| CPT-2 | 09 6813 - TILE CARPETING |
| CPT-3 | 09 6813 - TILE CARPETING |
| CPT-4 | 09 6813 - TILE CARPETING |
| CPT-5 | 09 6813 - TILE CARPETING |
| CPT-6 | 09 6813 - TILE CARPETING |
| CPT-7 | 09 6813 - TILE CARPETING |
| CSLR-1 | 03 3000 - STANDARD SEALED CONCRETE |
| FCAB-1 | 10 4400 - FIRE EXTINGUISHER CABINET |
| FR STOP | 07 8400 - THROUGH PENETRATION FIRESTOPPING |
| FRP-1 | 06 8316 - FIBERGLASS REINFORCED PANEL |
| FUR-1 | 09 2116 - 7/8" DEEP HAT CHANNEL FURRING |
| GB-18 | 10 2800 - GRAB BAR; 18 INCHES |
| GB-24 | 10 2800 - GRAB BAR; 24 INCHES |
| GB-36 | 10 2800 - GRAB BAR; 36 INCHES |
| GB-42 | 10 2800 - GRAB BAR; 42 INCHES |
| GL-1 | 08 8000 - 1/4 INCH GLASS |
| GL-3 | 08 8000 - 1/2 INCH GLASS |
| GLSBD-1 | 10 1100 - GLASS BOARD |
| GLSBD-2 | 10 1100 - GLASS BOARD |
| GLSBD-3 | 10 1100 - GLASS BOARD |
| GT-1 | 09 3000 - GROUT |
| GYP BD-1 | 09 2116 - 5/8" TYPE X GYPSUM BOARD |
| GYP BD-6 | 09 2116 - 5/8" TYPE X MOLD-RESISTANT GYPSUM BOARD |
| GYP BD-16 | 09 2116 - 5/8" GLASS MAT FACED TILE BACKER BOARD |
| GYP SHTG-2 | 09 2116 - 5/8" GLASS MAT FACED GYPSUM SHEATHING |
| HK-1 | 10 2800 - COAT/ROBE HOOK, SINGLE PRONG |
| INSUL GL-1 | 08 8000 - CLEAR INSULATED GLAZING |
| INSUL-2 | 07 2100 - XPS EXTRUDED POLYSTYRENE INSULATION |
| INSUL-36 | 07 2119 - CLOSED CELL SPRAY FOAM INSULATION |
| INSUL-80 | 09 2116 - ACOUSTIC INSULATION, MINERAL FIBER |
| MAS ACC-5 | 04 2000 - CAVITY MORTAR CONTROL MESH |
| MET STUD-2 | 09 2116 - NON-LOADBEARING METAL STUDS, 20 GA. |
| MIR-50 | 10 2800 - MIRROR; ANGLE FRAMED |
| MT-1 | 09 3000 - TILE TRIM |
| MT-2 | 09 3000 - TILE TRIM |
| PLAM-1 | 06 4100 - PLASTIC LAMINATE FACED CASEWORK |
| PLAM-2 | 06 4100 - PLASTIC LAMINATE FACED CASEWORK |
| PLAM-3 | 10 2600 - DECORATIVE PROTECTION PANEL |
| PT-1 | 09 9123 - PAINT |
| PT-2 | 09 9123 - PAINT |
| PT-3 | 09 9123 - PAINT |
| PT-4 | 09 9123 - PAINT |
| PT-5 | 09 9123 - PAINT |
| PT-6 | 09 9123 - PAINT |
| PT-7 | 09 9123 - PAINT |
| QTZ-1 | 12 3600 - NATURAL QUARTZ AND RESIN COUNTERTOP |
| RB-1 | 09 6500 - RESILIENT BASE |
| RF-1 | 09 6500 - RUBBER TILE |
| RST-1 | 09 6500 - RESILIENT STAIR TREAD |
| SAWP-1 | 09 8430 - SOUND ABSORBING WALL PANEL |
| SAWP-2 | 09 8430 - SOUND ABSORBING WALL PANEL |
| SAWP-4 | 09 8430 - SOUND ABSORBING WALL PANEL |
| SEALANT-1 | 07 9200 - JOINT SEALANT OR CAULKING WITH OR WITHOUT BACKER ROD |
| SMF-2 | 07 6200 - PREFINISHED ALUMINUM |
| SSM-1 | 12 3600 - SOLID SURFACE COUNTERTOP |

## PROJECT SPEC ID LIST

| SPEC ID | SPEC. SECTION & DESCRIPTION |
|---|---|
| SSM-2 | 12 3600 - SOLID SURFACE COUNTERTOP |
| SSM-3 | 12 3600 - SOLID SURFACE INTEGRAL SINK BOWL |
| SSM-4 | 12 3600 - SOLID SURFACE WINDOW SILL |
| T-1 | 09 3000 - TILE |
| T-2 | 09 3000 - TILE |
| T-3 | 09 3000 - TILE |
| TRACK-1 | 10 2123 - CUBICLE CURTAIN AND TRACK |
| TWF-1 | 04 2000 - RUBBERIZED ASPHALT FLASHING WITH STAINLESS STEEL DRIP |
| WC-1 | 09 7200 - WALL COVERINGS |
| WD BLKG | 06 1000 - WOOD BLOCKING |
| WD SHTG-32 | 06 1000 - 3/4" SHEATHING |
| WEEP-1 | 04 2000 - POLYMER HEAD JOINT WEEP |
| WR-3 | 10 2800 - WASTE RECEPTACLE, SEMI-RECESSED |
| WT-1 | 12 2400 - ROLLER SHADES |

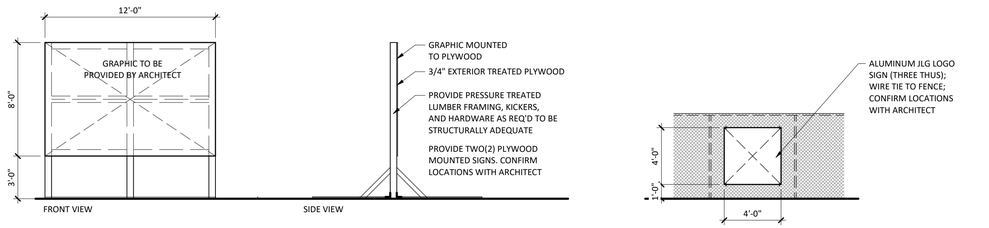
## MATERIAL MATRIX

- CONCRETE; CUT/SURFACE PATTERN
- FILL; SEE STRUCTURAL
- BRICK; CUT PATTERN
- BRICK; SURFACE PATTERN
- CMU; CUT PATTERN
- CMU; SURFACE PATTERN
- BURNISHED CMU; SURFACE PATTERN
- GROUT; CUT PATTERN
- STONE; CUT PATTERN
- ALUMINUM; CUT PATTERN
- STEEL; CUT PATTERN
- MDF; CUT PATTERN
- PLYWOOD; CUT PATTERN
- SOLID SURFACE; CUT PATTERN
- WOOD; CUT PATTERN
- WOOD; SURFACE PATTERN
- METAL PANEL; SURFACE
- CORRUGATED METAL PANEL; SURFACE
- FLUSH METAL PANEL; SURFACE
- RIGID INSULATION; CUT PATTERN
- TAPERED INSULATION; SURFACE PATTERN
- SPANDREL GLAZING; SURFACE PATTERN
- GLAZING; SURFACE PATTERN
- A.C.T (1); SURFACE PATTERN
- A.C.T (2); SURFACE PATTERN
- A.C.T (3); SURFACE PATTERN
- A.C.T; CUT PATTERN
- CARPET TILE; SURFACE PATTERN
- ACCENT CARPET TILE; SURFACE PATTERN
- INTERIOR GYPSUM; CUT PATTERN
- EXTERIOR GYPSUM SHEATHING; CUT PATTERN
- TILE; CUT PATTERN
- EARTH; CUT PATTERN
- PEA ROCK; CUT PATTERN
- SAND; CUT PATTERN

## PROJECT GENERAL NOTES

A. ANNEX FIRST LEVEL ELEVATION OF **100'-0"** NOTED ON ARCHITECTURAL AND STRUCTURAL DRAWINGS EQUALS ELEVATION NOTED ON CIVIL DRAWINGS: **905.33'**
B. THE OWNER'S NORMAL OPERATIONS WILL BE CONTINUED DURING CONSTRUCTION. THE CONSTRUCTION SHALL NOT INTERFERE WITH THESE OPERATIONS IN ANY WAY WITHOUT THE OWNER'S EXPRESSED CONSENT.
C. IT SHALL BE EACH TRADE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND FAMILIARIZE HIMSELF/HERSELF WITH ALL EXISTING CONDITIONS. EACH CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND OTHERWISE VERIFY ALL DIMENSIONS AND EXISTING CONSTRUCTION CONDITIONS INDICATED AND/OR SHOWN ON THE DRAWINGS. SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED THEREBY UNTIL REPORTING THE SAME TO THE ARCHITECT AND THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND/OR CORRECTION.
D. DIMENSIONS FOLLOWED BY +/- SHALL BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
E. ALL EXISTING CONSTRUCTION AND SURFACES WHICH ARE TO REMAIN BUT ARE AFFECTED BY THE WORK UNDER THIS CONTRACT SHALL BE RESTORED AND REFINISHED TO MATCH THE CONSTRUCTION, FINISH AND ALIGNMENT OF THE EXISTING ADJACENT CONSTRUCTION AND FINISHES.
F. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR COMPLETION OF WORK.
G. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH APPROPRIATE TRADES. COORDINATE SIZE & LOCATION OF ALL HOUSE-KEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
H. PROVIDE POSITIVE SLOPE TO ALL FLOOR DRAINS WHILE KEEPING FLOOR LEVEL AT WALL BASE CONDITION. PROVIDE FIRE WATCH DURING FIELD CUTTING AND WELDING OPERATIONS, MEETING OWNER'S REQUIREMENTS.
I. PROVIDE FIRE RETARDANT WOOD BLOCKING AND/OR 18 GA METAL PLATES BETWEEN STUDS AT ALL LOCATIONS REQUIRING BLOCKING IN WALL. THESE LOCATIONS INCLUDE BUT ARE NOT LIMITED TO GRAB BARS, CRASH RAILS, CABINETS, WALL HUNG SHELVES, ARTWORK, ETC.
J. THE EXTENT OF HATCHING ON DRAWINGS IS ONLY SUFFICIENT TO INDICATE THE NATURE OF THE CONSTRUCTION OR MATERIALS. TERMINATION OF THE HATCHING SHALL NOT BE CONSTRUED TO REPRESENT A CHANGE OR TERMINATION OF MATERIAL.
K. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES IN WORK AREAS PRIOR TO PROCEEDING WITH CONSTRUCTION. ALL DISCREPANCIES SHALL BE DOCUMENTED AND FORWARDED TO ARCHITECT AND OWNER'S REPRESENTATIVE FOR ACTION.
L. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE FIELD CONDITIONS AND PROVIDE AS NEEDED TEMPORARY SUPPORTS, SHORING AND/OR PROTECTION OF EXISTING STRUCTURES AND UNDERGROUND UTILITIES DURING EXECUTION OF WORK.
M. ALL WORK TO CONFORM TO THE REQUIREMENTS OF THE LOCAL AND STATE CODES.
N. RELEVANT DIMENSIONS AND ELEVATIONS FOR EQUIPMENT INSTALLATIONS SHALL BE VERIFIED AGAINST MANUFACTURER'S CERTIFIED EQUIPMENT DRAWINGS.
O. CONTRACTOR SHALL PROVIDE TEMPORARY DUST PROOF PARTITIONS AS REQUIRED, OR WHERE REQUESTED BY OWNER'S REPRESENTATIVE. PARTITIONS SHALL BE FIRE RATED WHERE REQUIRED BY CODE HAVING JURISDICTION. ALL TEMPORARY PARTITIONS SHALL BE CONSTRUCTED IN A MANNER AND OF MATERIALS OFFERING ADEQUATE PROTECTION TO OWNER'S EQUIPMENT AND PERSONNEL.
P. DO NOT SCALE DRAWINGS TO DETERMINE SIZES AND DIMENSIONS. USE FIGURED DIMENSIONS ONLY. DIMENSIONS ARE TO FINISHED FACE OF WALLS UNLESS OTHERWISE NOTED. ALL PERIMETER DIMENSIONS ARE FROM FACE OF PERIMETER WALLS. ALL DIMENSIONS TO EXISTING WALLS ARE TO FACE OF WALL UNLESS OTHERWISE NOTED.
Q. ALL PENETRATIONS TO FLOORS, CEILINGS AND WALLS SHALL BE SEALED AND FIRE STOPPED TO A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
R. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK UNLESS NOTED OTHERWISE.

## PROJECT SIGN REQUIREMENTS




## SYMBOLS LEGEND

ROOM IDENTIFICATION TAG
SAMPLE ROOM NAME — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA

OPENING IDENTIFICATION TAGS
Type — DOOR NUMBER
Type / TYPE — WINDOW IDENTIFICATION
CURTAINWALL / STOREFRONT IDENTIFICATION

COLUMN/GRID/LEVEL IDENTIFICATION
XX.X — NEW COLUMN / STRUCTURAL GRID
XX.X — EXISTING COLUMN / STRUCTURAL GRID
NAME, EL.= ELEVATION — ELEVATION DATUM

ASSEMBLY IDENTIFICATION
A4.2S — WALL / FLOOR / ROOF TAG

MATERIAL/OBJECT IDENTIFICATION
(?) — MATERIAL ID TAG

REVISION DELTA AND CLOUD
1 — REVISION TAG
REVISION CLOUD

DRAWING IDENTIFICATION
4A / X.XX — View Name — DRAWING NUMBER, DRAWING NAME
SCALE: 1/8" = 1'-0" — DRAWING SCALE
SHEET NUMBER

SECTION IDENTIFICATION
1 / A101 — DIRECTION OF CUT, DRAWING NUMBER, SHEET NUMBER

DETAIL SECTION IDENTIFICATION
1 / A101 Ref — DRAWING NUMBER, SHEET NUMBER

ELEVATION IDENTIFICATION
1 / A101 — ELEVATION NUMBER, SHEET NUMBER

NORTH ARROW
PLAN NORTH
TRUE NORTH

SHEET KEYNOTES — XX — KEYNOTE
SIGNAGE SYMBOL — SIGNAGE

## DESIGN TEAM

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Fargo, ND 58102

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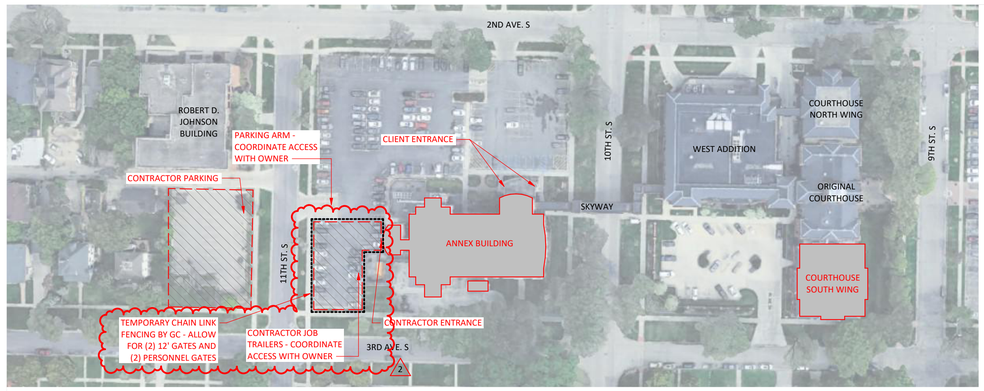
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## PROJECT VICINITY MAP




RESERVED FOR CONTRACTORS
BUILDING UNDER INTERIOR CONSTRUCTION
DRAWING NOT TO SCALE


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LICENSED ARCHITECT — TRACY JO JORDRE — 5/20/2026 — (2031) — STATE OF NORTH DAKOTA

**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
250105

SHEET
G101

TITLE SHEET

2026-05-20 3:43:44 PM

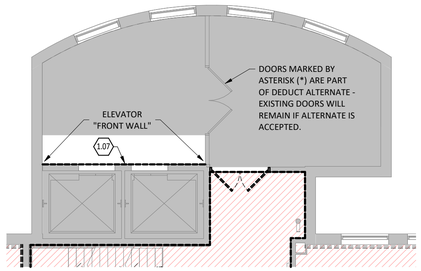



EXHIBIT 2.1 - DEMOLITION, ALL FLOORS SIMILAR

SCALE: 1/8" = 1'-0"

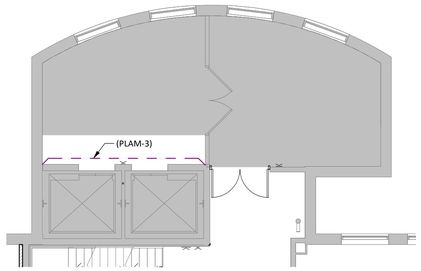



EXHIBIT 2.2 - FINISHES, ALL FLOORS SIMILAR

SCALE: 1/8" = 1'-0"

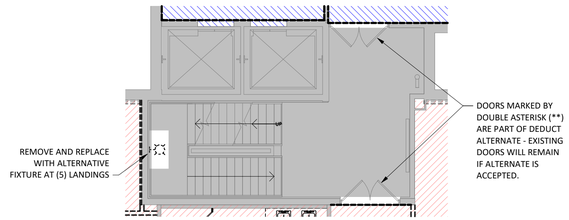



EXHIBIT 3.1 - DEMOLITION, ALL FLOORS SIMILAR

SCALE: 1/8" = 1'-0"

## SCHEDULE OF PROJECT ALTERNATES

| NUMBER | TITLE | DESCRIPTION | COMMENTS | VIEW REFERENCE |
|---|---|---|---|---|
| Alternate No. 1 | Exclude Bathroom Refresh, Floors 2-4. | State the amount to be DEDUCTED from the Base Bid to exclude all materials, labor & equipment required for all scopes in existing bathrooms (Rooms 203-204, 261, 263, 303-304, 343-344, 403-404), as indicated in the drawings and specifications. | Should the Owner accept this DEDUCT alternate, the restroom finish and fixture replacement would be omitted from the project scope and bid price.<br><br>However, there is a portion of piping as well as some ductwork that must be modified regardless. See Mechanical plans. | |
| Alternate No. 2 | Elevator Front Wall Only in lieu of Full Lobby Refresh, Floors LL-4. | State the amount to be DEDUCTED from the Base Bid to exclude all materials, labor & equipment required for architectural and electrical scopes in the security lobby, elevator cabs, and elevator lobbies (Rooms 001-002, 101-107, 201-202, 301-302, 401-402) less PLAM-3, as indicated in the drawings and specifications. Include doors marked by an asterisk (*) in the floor plan and door schedule. | The existing wall finish at each elevator "front wall" is damaged and in need of a more durable replacement. The front wall finish replacement is a priority and therefore exempt from the DEDUCT alternate.<br><br>Should the Owner accept this DEDUCT alternate, all architectural and electrical renovation work in the elevator lobbies would be omitted from the project scope and bid price, but the Contractor will still be responsible for installing PLAM at the front wall of every floor.<br><br>All HVAC scope in this area to be provided under base bid and would not be removed under Alternate No. 2. Similarly, the intercom with 2-way communication is a necessary part of the building's egress system and will not be removed under Alternate No. 2. | Exhibit 2.1 & 2.2, Demolition Keynotes |
| Alternate No. 3 | Alternative Light Fixture Replacement Only at North Stair in lieu of Full Refresh. | State the amount to be DEDUCTED from the Base Bid to exclude all materials, labor & equipment required for all architectural scope and preferred light fixture replacement in North Stair (Rooms ST1-B through ST1-4). Implement alternative light fixture replacement instead, as indicated in the drawings and specifications. Include doors marked by a double asterisk (**) in the floor plan and door schedule. | The existing north stair is poorly lit and in need of better illumination. Replacement luminaires at stair landings are a priority and therefore exempt from the DEDUCT alternate.<br><br>Should the Owner accept this DEDUCT alternate, all other renovation work in the north stair would be omitted from the project scope and bid price, but the Contractor will still be responsible for installing new luminaires at each landing. Note that the alternative (replacement) fixture type is distinct from the base bid fixture type. | Exhibit 3.1 |
| Alternate No. 4 | Exclude 1975 Window Replacement. | State the amount to be DEDUCTED from the Base Bid to exclude all materials, labor & equipment required to replace existing SF-01 and SF-02 windows. Install storefront windows only at new openings on first floor, as indicated in the drawings and specifications. | | |
| Alternate No. 5 | Exclude West Stair Refresh. | State the amount to be DEDUCTED from the Base Bid to exclude all materials, labor & equipment required for architectural and electrical scopes in the West Stair (Rooms ST2-1 through ST2-4). | All HVAC scope in this area to be provided under base bid and would not be removed under Alternate No. 5.<br><br>Door ST2-1, associated lintel, and nearby cabinet unit heater relocation are not part of the alternate. These elements are necessary to connect the stairwell to the rest of the first floor and complete the egress system. | |
| Alternate No. 6 | Not used. | -- | | |
| Alternate No. 7 | Exclude Air Handler Replacement. | State the amount to be DEDUCTED from the Base Bid to exclude all materials, labor & equipment required to replace AHU-4, 5, and 6, as indicated in the drawings and specifications. | | |
| Alternate No. 8 | Exclude Window Sill Replacement, Floors 2-4. | State the amount to be DEDUCTED from the Base Bid to exclude all materials, labor & equipment required to install new SSM-4 window sills on floors 2 through 4 of the Annex, as indicated in the drawings and specifications. | | |
| Alternate No. 9 | Blinds in lieu of Roller Shades. | State the amount to be DEDUCTED from the Base Bid to exclude all materials, labor & equipment required to install WT-1 roller shades. Install WT-2 blinds instead, as indicated in the drawings and specifications. | | |
| Alternate No. 10 | Renovation for Juvenile Court. | State the amount to be ADDED to the Base Bid to provide all materials, labor & equipment required to renovate the 4th Floor, south wing of the Courthouse, as indicated in the drawings and specifications. | | |
| Alternate No. 11 | Upgrade to CAT6a Throughout Annex. | State the amount to be ADDED to the Base Bid to provide all materials, labor & equipment required to install CAT6a cabling at all locations calling for CAT6 cabling throughout Annex, as indicated in the drawings and specifications. | | |
| Alternate No. 12 | Upgrade to Acoustical Glazing at Meeting Room. | State the amount to be ADDED to the Base Bid to provide all materials, labor & equipment required to install ACOUST GL-1 and ALFRM-2 at room 322 (frames HM-01 and HM-02), as indicated in the drawings and specifications. | | |

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LICENSED ARCHITECT
TRACY JO JORDRE
5/20/2026
(2031)
STATE OF NORTH DAKOTA

**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDM 01 | 05/13/26 |
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
250105

SHEET
G103

PROJECT ALTERNATES

5/20/2026 2:42:39 PM

# OCCUPANCY LOAD SCHEDULE - ANNEX

| NUMBER | NAME | AREA | OCCUPANCY CLASSIFICATION (IBC CHAPTER 3) | IBC CHAPTER 10 FUNCTION OF SPACE | SF PER OCC. LOAD FACTOR (OLF) | SF PER OCC. MEASUREMENT | OCCUPANT LOAD FIXED SEATS | OCCUPANT LOAD MAX. OCC. LOAD | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| (ANNEX) BSMT FLOOR | | | | | | | | | |
| 000 | OFFICE | 5,659 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 38 | |
| 001 | LOBBY | 511 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 4 | |
| 002 | MEETING RM | 2,353 SF | A-3 | ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED | 15 | NET | 0 | 157 | |
| 003 | DEMO KITCHEN | 398 SF | B | EDUCATIONAL - CLASSROOM | 20 | NET | 0 | 20 | |
| 004 | MECH | 471 SF | ACCESSORY USE | ACCESSORY STORAGE, MECH EQUIPMENT ROOM | 300 | GROSS | 0 | 2 | |
| 005 | MECH | 996 SF | ACCESSORY USE | ACCESSORY STORAGE, MECH EQUIPMENT ROOM | 300 | GROSS | 0 | 4 | |
| 006 | ELEC | 91 SF | ACCESSORY USE | ACCESSORY STORAGE, MECH EQUIPMENT ROOM | 300 | GROSS | 0 | 1 | |
| 007 | STRG | 491 SF | S-1 | MERCANTILE - STORAGE | 300 | GROSS | 0 | 2 | |
| 008 | STRG | 987 SF | S-1 | MERCANTILE - STORAGE | 300 | GROSS | 0 | 4 | |
| 009 | MECH | 848 SF | ACCESSORY USE | ACCESSORY STORAGE, MECH EQUIPMENT ROOM | 300 | GROSS | 0 | 3 | |
| | | 12,806 SF | | | | | 0 | 235 | |
| (ANNEX) 1st FLOOR | | | | | | | | | |
| 100 | ENTRY | 1,380 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 10 | |
| 101 | HUMAN SERVICES, PUBLIC | 2,236 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 15 | |
| 101A | LOBBY | 509 SF | A-3 | ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED | 15 | NET | 0 | 34 | |
| 102 | HUMAN SERVICES, OFFICE | 8,880 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 60 | |
| 103 | MECH | 272 SF | ACCESSORY USE | ACCESSORY STORAGE, MECH EQUIPMENT ROOM | 300 | GROSS | 0 | 1 | |
| 104 | MECH | 281 SF | ACCESSORY USE | ACCESSORY STORAGE, MECH EQUIPMENT ROOM | 300 | GROSS | 0 | 1 | |
| | | 13,558 SF | | | | | 0 | 121 | |
| (ANNEX) 2nd FLOOR | | | | | | | | | |
| 200 | LOBBY | 523 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 4 | |
| 201 | COMMON AREA | 1,736 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 12 | |
| 202 | MEETING RM | 673 SF | A-3 | ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED | 15 | NET | 0 | 45 | |
| 203 | MEETING RM | 627 SF | A-3 | ASSEMBLY - W/O FIXED SEATING - UNCONCENTRATED | 15 | NET | 0 | 42 | |
| 204 | I.T. OFFICE | 4,637 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 31 | |
| 205 | S.A. OFFICE | 4,025 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 27 | |
| 206 | CIRCULATION | 932 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 7 | |
| 299 | SKYWALK | 1,551 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 11 | |
| | | 14,705 SF | | | | | 0 | 179 | |
| (ANNEX) 3rd FLOOR | | | | | | | | | |
| 300 | LOBBY | 527 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 4 | |
| 301 | OFFICE | 12,235 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 82 | |
| | | 12,762 SF | | | | | 0 | 86 | |
| (ANNEX) 4th FLOOR | | | | | | | | | |
| 400 | LOBBY | 527 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 4 | |
| 401 | OFFICE | 10,573 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 71 | |
| 402 | MECH | 1,662 SF | ACCESSORY USE | ACCESSORY STORAGE, MECH EQUIPMENT ROOM | 300 | GROSS | 0 | 6 | |
| | | 12,763 SF | | | | | 0 | 81 | |
| | | 66,594 SF | | | | | 0 | 702 | |

# BUILDING CODE REVIEW - ANNEX

## APPLICABLE CODES

BUILDING CODE: 2024 INTERNATIONAL BUILDING CODE W/ LOCAL AMENDMENTS
2024 INTERNATIONAL EXISTING BUILDING CODE
PLUMBING CODE: 2018 NORTH DAKOTA STATE PLUMBING CODE (UPC-2018)
MECHANICAL CODE: 2024 INTERNATIONAL MECHANICAL CODE
2024 INTERNATIONAL FUEL GAS CODE
ELECTRICAL CODE: 2023 NATIONAL ELECTRICAL CODE
2023 LAWS, RULES, AND WIRING STANDARDS OF NORTH DAKOTA
ENERGY CODE: 2024 INTERNATIONAL ENERGY CONSERVATION CODE
ACCESSIBILITY CODE: 2017 ANSI A117.1 AND 2010 ADA

## IEBC SCOPE & PROVISIONS

COMPLIANCE METHOD: PRESCRIPTIVE COMPLIANCE METHOD, CHAPTER 5
ALTERATIONS: (503.1) NOT LESS COMPLYING WITH PROVISIONS OF IBC THAN THE EXISTING BUILDING WAS PRIOR TO ALTERATION.
CHANGE OF OCCUPANCY: (506.1) NEW OCCUPANCY IS LESS HAZARDOUS THAN EXISTING - DETENTION ELIMINATED

## IBC CHAPTER 3 - USE AND OCCUPANCY

OCCUPANCY CLASSIFICATIONS: BUSINESS GROUP B
ASSEMBLY GROUP A-3 (MOST RESTRICTIVE)
STORAGE GROUP S-1
SEPARATED OR NON-SEPARATED: NON-SEPARATED

## IBC CHAPTER 5 - HEIGHTS AND AREAS

ALLOWABLE BUILDING HEIGHT: 75 FT
ACTUAL BUILDING HEIGHT: 70 FT
ALLOWABLE NUMBER OF STORIES: 4 ABOVE GRADE
ACTUAL NUMBER OF STORIES: 4 ABOVE GRADE
FRONTAGE FACTOR: 66% OF PERIMETER HAS 30'+ OPEN SPACE = .5
ALLOWABLE AREA: (506.2.2, Equation 5-3)
LL: 13,475 / [28,500 + (9,500 x .5)] = 0.405
1: 12,861 / [69,000 + (23,000 x .5)] = 0.160
2: 12,282 / [28,500 + (9,500 x .5)] = 0.369
3: 12,157 / [69,000 + (23,000 x .5)] = 0.151
4: 12,130 / [69,000 + (23,000 x .5)] = 0.151
3 > 1.236
ACTUAL AREA: 62,905 SF TOTAL

## IBC CHAPTER 6 - TYPES OF CONSTRUCTION

CONSTRUCTION TYPE: IIB

*Annex was previously classified as "Type II Fire-resistive" under the Uniform Building Code, similar to Type IB under the current IBC. Proposed occupancies do not require such a stringent construction type for a building of this size.*

PRIMARY STRUCTURAL FRAME: 0
BEARING WALLS, EXTERIOR: 0
BEARING WALLS, INTERIOR: 0
NONBEARING WALLS, EXTERIOR: 0 (FSD > 30 FT)
NONBEARING WALLS, INTERIOR: 0
FLOOR CONSTRUCTION: 0
ROOF CONSTRUCTION: 0

## IBC CHAPTER 7 - FIRE & SMOKE PROTECTION

INTERIOR EXIT STAIRWAY: 2HR FIRE BARRIER
SHAFT ENCLOSURE: 2HR FIRE BARRIER
ELEVATOR HOISTWAY ENCLOSURE: 2HR FIRE BARRIER
ELEVATOR LOBBIES: 1HR FIRE PARTITION

## IBC CHAPTER 9 - FIRE PROTECTION & LIFE SAFETY

SPRINKLER SYSTEM: AUTOMATIC SPRINKLER SYSTEM THROUGHOUT

## IBC CHAPTER 10 - MEANS OF EGRESS

TOTAL OCCUPANT LOAD: 702
OCCUPANT LOAD, LARGEST FLOOR: 235 - 2 EXITS REQUIRED
EXIT ACCESS TRAVEL DISTANCE
B/SPRINKLERED: 300 FT
A,S-1/SPRINKLERED: 250 FT
COMMON PATH OF EGRESS
A/SPRINKLERED: 75 FT
B,S/SPRINKLERED: 100 FT
EGRESS CAPACITY FACTOR
STAIRWAYS: 0.3 IN/OCC, 36" MIN.
OTHER: 0.2 IN/OCC

# TRAVEL DISTANCE - ANNEX

| PATH ID | TRAVEL DIST.: COMMON TOTAL | TRAVEL DIST.: COMMON MAX DIST. | TRAVEL DIST.: EXIT TOTAL | TRAVEL DIST.: EXIT MAX. DIST. | OCCUPANTS | OCC. |
|---|---|---|---|---|---|---|
| 002 | 0' - 0" | 75'-0" | 107' - 1" | 250'-0" | 117 | A-3 |
| 006 | 98' - 5" | 100'-0" | 204' - 9" | 250'-0" | 2 | S-1 |
| 101 | 58' - 11" | 100'-0" | 117' - 9" | 300'-0" | 19 | B |
| 102.1 | 27' - 11" | 100'-0" | 129' - 5" | 300'-0" | 20 | B |
| 102.2 | 38' - 2" | 100'-0" | 94' - 1" | 300'-0" | 20 | B |
| 200 | 32' - 4" | 100'-0" | 116' - 4" | 300'-0" | 37 | B |
| 299 | 0' - 0" | 100'-0" | 117' - 3" | 300'-0" | 6 | B |
| 301 | 15' - 1" | 100'-0" | 152' - 2" | 300'-0" | 41 | B |
| 401.1 | 87' - 1" | 100'-0" | 164' - 11" | 300'-0" | 36 | B |
| 401.2 | 17' - 0" | 100'-0" | 102' - 7" | 300'-0" | 41 | B |

# SHEET SPEC ID LIST

| SPEC ID | SPEC SECTION & DESCRIPTION |
|---|---|
| FCAB-1 | 10 4400 - FIRE EXTINGUISHER CABINET |

# LIFE SAFETY LEGEND

*OCC. LOAD TAG*
101 — NUMBER
Name — NAME
150 SF / 100 OCC. — AREA / OCCUPANT LOAD

*EGRESS DATA TAG*
NUMBER — ELEMENT ID NUMBER
WID: 34" — EGRESS WIDTH
LFAC: .2 — EGRESS FACTOR
CAP: 170 — EGRESS CAPACITY
LOAD: ### — EGRESS LOAD

*(UNI-DIRECTION) EGRESS DIRECTION SYMBOL (BI-DIRECTION)*
EXIT — EGRESS DIRECTION TEXT — EXIT
257 (52+67+98) — EGRESS DIRECTION+LOAD (CUMULATIVE COUNTS) — 257 (52+67+98)

*EGRESS SYMBOL*
PE (ADA) — PUBLIC ENTRANCE, DOOR ID / NOTE, (ADA) = ACCESSIBLE ENTRANCE
#12 (EO) — NON-PUBLIC ENTRANCE, DOOR ID, (EO) = EXIT ONLY
ACCESS CONTROL AREA RELEVANT TO EGRESS ANALYSIS - DOES NOT INDICATE FIRE/SMOKE RATING

# LIFE SAFETY

ACCESSORY USE
ASSEMBLY
BUSINESS
STORAGE

# FIRE-RESISTANCE RATINGS

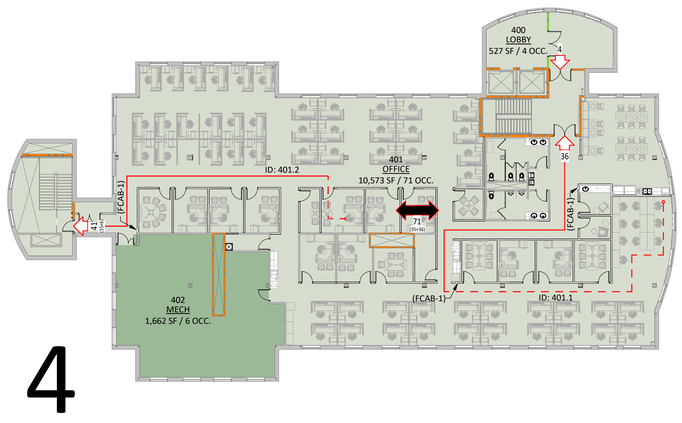
**IBC Table 716.1(2)**

**Enclosures for shafts, interior exit stairways and interior exit ramps** — 2 HOUR RATED WALL

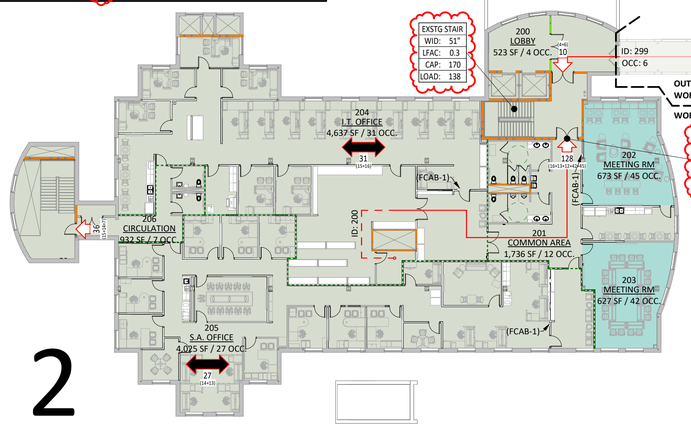
**Other Fire Barriers** — 1 HOUR RATED WALL

**Fire Partitions / Corridor Walls** — 1 HOUR RATED PARTITION

***DARK FILLED WALLS ARE EXISTING WALLS**

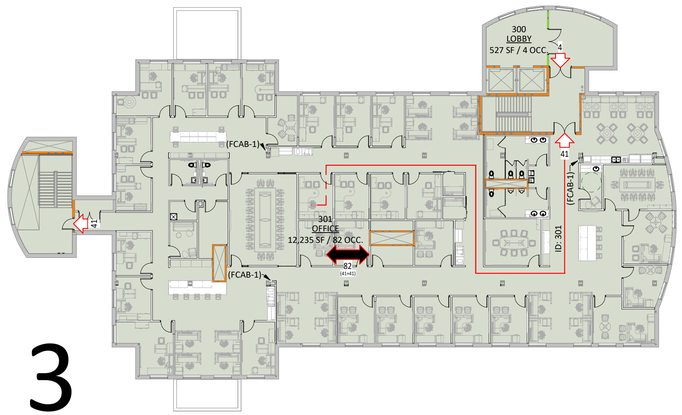



4

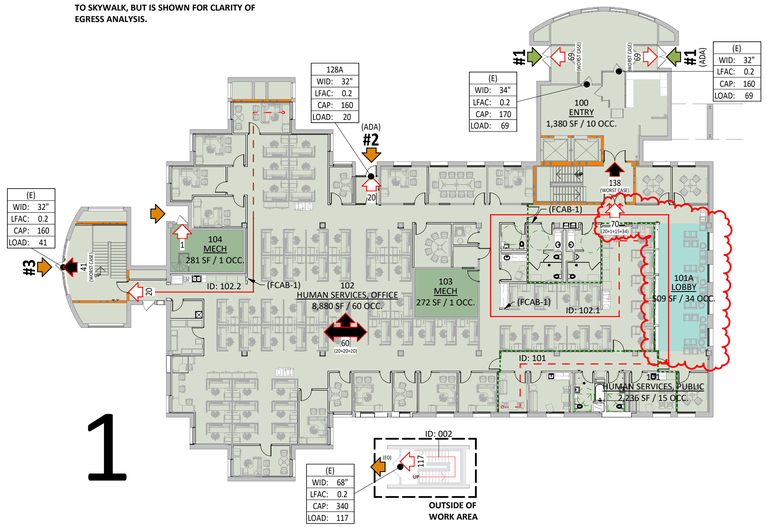



2

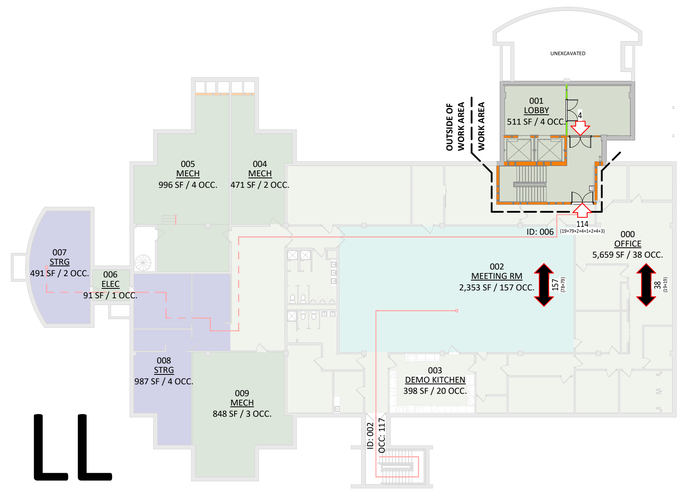
**PROPOSED WORK AREA DOES NOT EXTEND TO SKYWALK, BUT IS SHOWN FOR CLARITY OF EGRESS ANALYSIS.**




3




1




LL

**PROPOSED WORK AREA IS LIMITED TO IMMEDIATE VICINITY OF STAIRS & ELEVATOR. REMAINDER OF LEVEL IS SHOWN FOR CLARITY OF EGRESS ANALYSIS.**


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LICENSED ARCHITECT — TRACY JO JORDRE — 5/20/2026 — (2031) — STATE OF NORTH DAKOTA

# REVISION SCHEDULE

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
250105

SHEET
G111

CODE SUMMARY, LIFE SAFETY PLANS

5/20/2026 2:42:58 PM

# MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

| Classification | Type | Description | Occupant Load | Water Closets (Urinals see section 424.2 of the International Plumbing Code) | | | | | | | Lavatories | | | | | | | Drinking Fountains | | | Other | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Male | Female | Required | | Provided | | | Male | Female | Required | | Provided | | | Count | Req. | Prov. | Count | Req. | Prov. |
| | | | | | | Male | Female | Male | Female | Single | | | Male | Female | Male | Female | Single | | | | | | |
| Assembly | A-3 | Auditoriums without permanent seating, art galleries, exhibition halls, museums, lecture halls, libraries, arcades and gymnasiums | 278 | 1 per 125 | 1 per 65 | 1.11 | 2.14 | | | | 1 per 200 | | 0.70 | 0.70 | | | | 1 per 500 | 0.56 | | 1 service sink | 1 | |
| Business | B | Buildings for the transaction of business, nonmedical professional services, other services involving merchandise, office buildings, banks, light industrial, ambulatory care and similar uses | 418 | 1 per 25 for the first 50<br>1 per 50 for the remainder exceeding 50 | | 5.18 | 5.18 | | | | 1 per 40 for the first 80<br>1 per 80 for the remainder exceeding 80 | | 3.61 | 3.61 | | | | 1 per 100 | 4.18 | | 1 service sink | 1 | |
| Storage | S | Structures for the storage of goods, warehouses, storehouses and freight depots, low and moderate hazard | 6 | 1 per 100 | | 0.03 | 0.03 | | | | 1 per 100 | | 0.03 | 0.03 | | | | 1 per 1000 | 0.01 | | 1 service sink | 1 | |
| | | | 702 | | | Public Total: | 7 | 8 | 16 | 13 | 7 | | Public Total: | 5 | 5 | 10 | 9 | 7 | Total: | 5 | 5 | Service Sink Total: | 1 | 3 |

## OCCUPANCY LOAD SCHEDULE - COURTHOUSE (4th, SOUTH WING)

| NUMBER | NAME | AREA | OCCUPANCY CLASSIFICATION (IBC CHAPTER 3) | IBC CHAPTER 10 | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | FUNCTION OF SPACE | FLOOR AREA PER OCCUPANT | SF PER OCC. MEASUREMENT | OCCUPANT LOAD | | |
| | | | | | | | FIXED SEATS | MAX. OCC. LOAD | |
| 02 WEST COURTHOUSE TRUSS BEARING | | | | | | | | | |
| 400 | OFFICE | 6,048 SF | B | BUSINESS AREA | 150 | GROSS | 0 | 41 | NO CHANGE TO CURRENT OCCUPANCY |
| | | 6,048 SF | | | | | 0 | 41 | |

## BUILDING CODE REVIEW - COURTHOUSE (4th, SOUTH WING)

### APPLICABLE CODES

| | |
|---|---|
| BUILDING CODE: | 2024 INTERNATIONAL BUILDING CODE W/ LOCAL AMENDMENTS<br>2024 INTERNATIONAL EXISTING BUILDING CODE |
| PLUMBING CODE: | 2018 NORTH DAKOTA STATE PLUMBING CODE (UPC-2018) |
| MECHANICAL CODE: | 2024 INTERNATIONAL MECHANICAL CODE<br>2024 INTERNATIONAL FUEL GAS CODE |
| ELECTRICAL CODE: | 2023 NATIONAL ELECTRICAL CODE<br>2023 LAWS, RULES, AND WIRING STANDARDS OF NORTH DAKOTA |
| ENERGY CODE: | 2024 INTERNATIONAL ENERGY CONSERVATION CODE |
| ACCESSIBILITY CODE: | 2017 ANSI A117.1 AND 2010 ADA |

### IEBC SCOPE & PROVISIONS

| | |
|---|---|
| COMPLIANCE METHOD: | PRESCRIPTIVE COMPLIANCE METHOD, CHAPTER 5 |
| ALTERATIONS: (503.1) | NOT LESS COMPLYING WITH PROVISIONS OF IBC THAN THE EXISTING BUILDING WAS PRIOR TO ALTERATION. |

### IBC CHAPTER 3 - USE AND OCCUPANCY

| | |
|---|---|
| OCCUPANCY CLASSIFICATIONS: | BUSINESS GROUP B |
| SEPARATED OR NON-SEPARATED: | NON-SEPARATED |

### IBC CHAPTER 6 - TYPES OF CONSTRUCTION

| | |
|---|---|
| CONSTRUCTION TYPE: | IIB |
| PRIMARY STRUCTURAL FRAME: | 0 |
| BEARING WALLS, EXTERIOR: | 0, 1 (FSD < 5 FT) |
| BEARING WALLS, INTERIOR: | 0 |
| NONBEARING WALLS, EXTERIOR: | 0 (FSD > 30 FT) |
| NONBEARING WALLS, INTERIOR: | 0 |
| FLOOR CONSTRUCTION: | 0 |
| ROOF CONSTRUCTION: | 0 |

### IBC CHAPTER 7 - FIRE & SMOKE PROTECTION

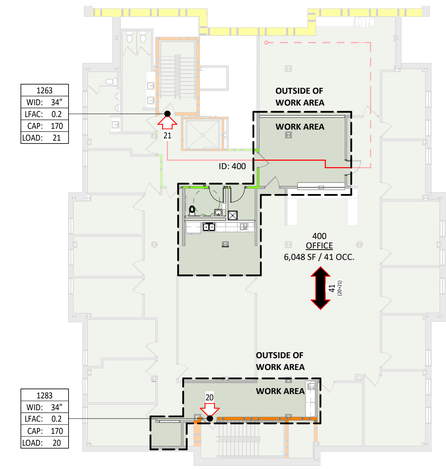
| | |
|---|---|
| INTERIOR EXIT STAIRWAY: | 2HR FIRE BARRIER |
| SHAFT ENCLOSURE: | 2HR FIRE BARRIER |
| ELEVATOR HOISTWAY ENCLOSURE: | 2HR FIRE BARRIER |
| ELEVATOR LOBBIES: | 1HR FIRE PARTITION |

### IBC CHAPTER 9 - FIRE PROTECTION & LIFE SAFETY

| | |
|---|---|
| SPRINKLER SYSTEM: | NONE |

### IBC CHAPTER 10 - MEANS OF EGRESS

| | |
|---|---|
| TOTAL OCCUPANT LOAD: | 41 |
| NUMBER OF EXITS: | 2 EXITS REQUIRED |
| EXIT ACCESS TRAVEL DISTANCE B/WITHOUT SPRINKLER: | 200 FT |
| COMMON PATH OF EGRESS B/WITHOUT SPRINKLER: | 75 FT |
| EGRESS CAPACITY FACTOR STAIRWAYS: | 0.3 IN/OCC, 36" MIN. |
| OTHER: | 0.2 IN/OCC |




4

## TRAVEL DISTANCE - COURTHOUSE

| PATH ID | TRAVEL DIST.: COMMON | | TRAVEL DIST.: EXIT | | OCCUPANTS | OCC. |
|---|---|---|---|---|---|---|
| | TOTAL | MAX DIST. | TOTAL | MAX DIST. | | |
| 400 | 48' - 5" | 75'-0" | 102' - 6" | 200'-0" | 21 | B (NS) |

## LIFE SAFETY LEGEND

*OCC. LOAD TAG*

101 — NUMBER
Name — NAME
150 SF / 100 OCC. — AREA / OCCUPANT LOAD

*EGRESS DATA TAG*

| |
|---|
| NUMBER |
| WID: 34" |
| LFAC: .2 |
| CAP: 170 |
| LOAD: ### |

ELEMENT ID NUMBER
EGRESS WIDTH
EGRESS FACTOR
EGRESS CAPACITY
EGRESS LOAD

*(UNI-DIRECTION)* ***EGRESS DIRECTION SYMBOL*** *(BI-DIRECTION)*

EXIT — EGRESS DIRECTION TEXT — EXIT
257 (92+67+98) — EGRESS DIRECTION+LOAD (CUMULATIVE COUNTS) — 257 (92+67+98)

*EGRESS SYMBOL*

PE (ADA) — PUBLIC ENTRANCE, DOOR ID / NOTE, (ADA) = ACCESSIBLE ENTRANCE
#12 (EO) — NON-PUBLIC ENTRANCE, DOOR ID, (EO) = EXIT ONLY
ACCESS CONTROL AREA RELEVANT TO EGRESS ANALYSIS - DOES NOT INDICATE FIRE/SMOKE RATING

## FIRE-RESISTANCE RATINGS

**IBC Table 716.1(2)**

**Enclosures for shafts, interior exit stairways and interior exit ramps** — 2 HOUR RATED WALL

**Other Fire Barriers** — 1 HOUR RATED WALL

**Fire Partitions / Corridor Walls** — 1 HOUR RATED PARTITION

***DARK FILLED WALLS ARE EXISTING WALLS***

## LIFE SAFETY

BUSINESS


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LICENSED ARCHITECT — TRACY D. JORDRE — 5/20/2026 — (2031) — STATE OF NORTH DAKOTA

**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2ND AVE S., FARGO, ND 58103

DATE
**05/06/26**

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
**250105**

SHEET
**G112**

**CODE SUMMARY, LIFE SAFETY PLANS**

5/20/2026 2:43:02 PM

# CONSTRUCTION PHASE 1

| KEYNOTES - LIFE SAFETY PLAN | | |
|---|---|---|
| NO | NOTE | REV. |
| 1 | EMERGENCY EGRESS PATHS OF TRAVEL MUST BE MAINTAINED AT ALL TIMES AND THROUGH ALL SEQUENCES AND PHASES. | |

## PHASED CONSTRUCTION EGRESS

2

A. THE GENERAL CONTRACTOR SHALL PRODUCE A SITE SAFETY PLAN ACCORDING TO IBC §3302.1 AND SUBMIT TO THE AHJ IN CONJUNCTION WITH THE BUILDING PERMIT APPLICATION.
B. THE SITE SAFETY PLAN SHALL INCLUDE THE FOLLOWING, AS APPLICABLE:
1. NAME AND CONTACT INFORMATION OF SITE SAFETY DIRECTOR.
2. DOCUMENTATION OF THE TRAINING OF THE SITE SAFETY DIRECTOR AND FIRE WATCH PERSONNEL.
3. PROCEDURES FOR REPORTING EMERGENCIES.
4. FIRE DEPARTMENT VEHICLE ACCESS ROUTES.
5. LOCATION OF FIRE PROTECTION EQUIPMENT, INCLUDING PORTABLE FIRE EXTINGUISHERS, STANDPIPES, FIRE DEPARTMENT CONNECTIONS AND FIRE HYDRANTS.
6. SMOKING AND COOKING POLICIES, DESIGNATED AREAS TO BE USED WHERE APPROVED, AND SIGNAGE LOCATIONS IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE.
7. LOCATION AND SAFETY CONSIDERATIONS FOR TEMPORARY HEATING EQUIPMENT.
8. HOT-WORK PERMIT PLAN.
9. PLANS FOR CONTROL OF COMBUSTIBLE WASTE MATERIAL.
10. LOCATIONS AND METHODS FOR STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS AND OTHER HAZARDOUS MATERIALS.
11. PROVISIONS FOR SITE SECURITY AND, WHERE REQUIRED, FOR A FIRE WATCH.
12. CHANGES THAT AFFECT THIS PLAN.
13. OTHER SITE-SPECIFIC INFORMATION REQUIRED BY THE INTERNATIONAL FIRE CODE.

EGRESS DIRECTION DURING PHASED CONSTRUCTION

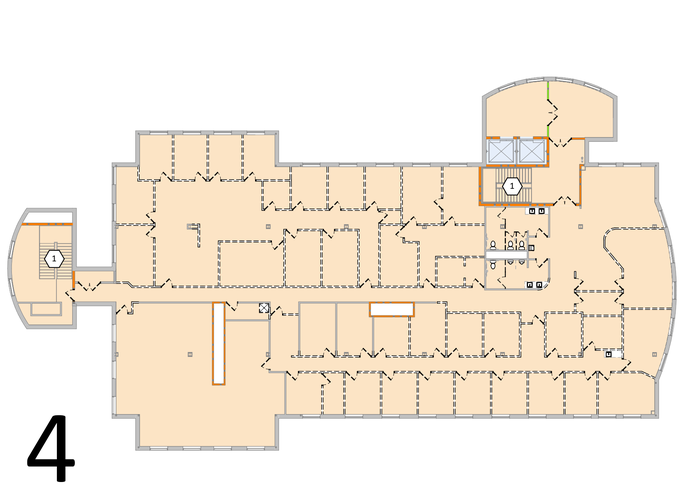
67 EGRESS DIRECTION+LOAD (CUMULATIVE COUNTS)

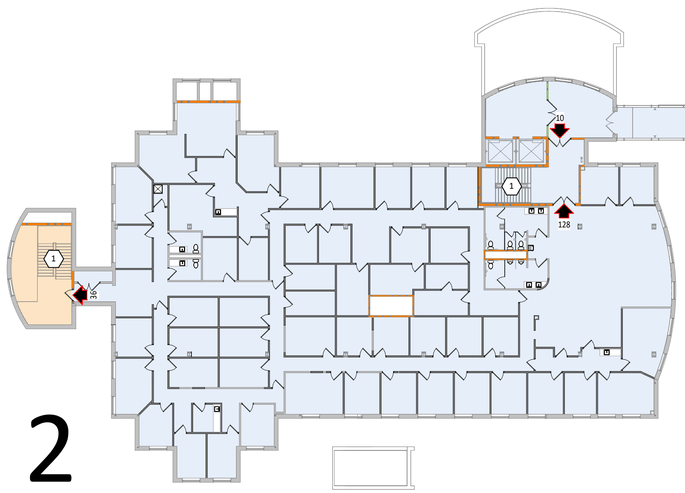
*EGRESS DATA TAG*

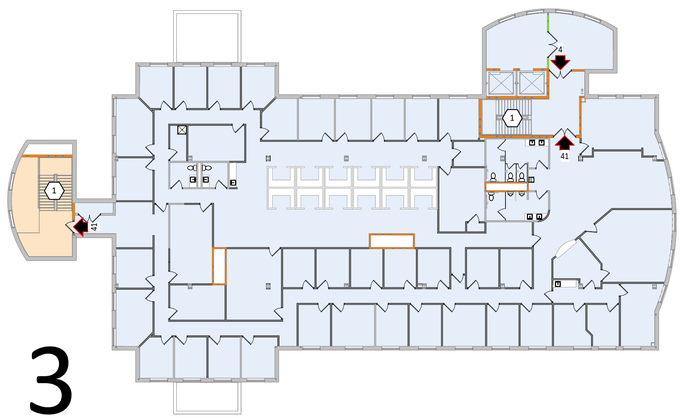
| | |
|---|---|
| NUMBER | ELEMENT ID NUMBER |
| WID: 34" | EGRESS WIDTH |
| LFAC: .2 | EGRESS FACTOR |
| CAP: 170 | EGRESS CAPACITY |
| LOAD: ### | EGRESS LOAD |

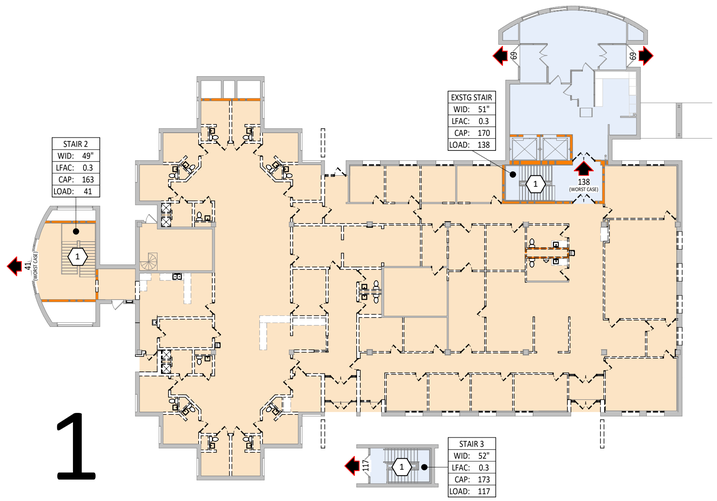
CONTRACTOR AREA

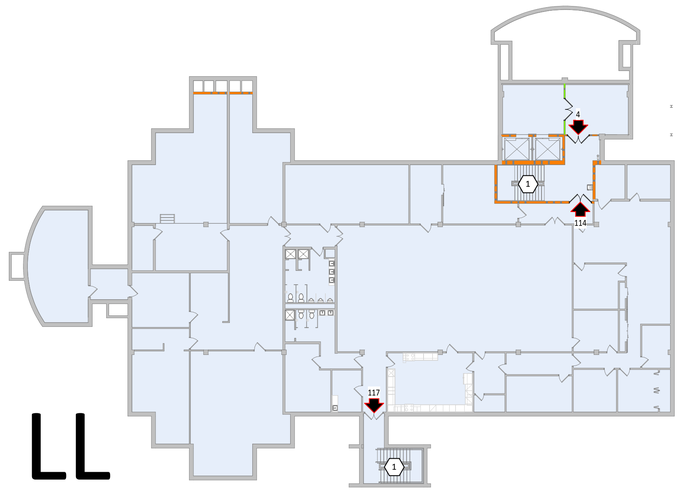
OWNER AREA




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LICENSED ARCHITECT
TRACY JO JORDRE
5/20/2026
(2031)
STATE OF NORTH DAKOTA

**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
250105

SHEET
**G121**
**CONSTRUCTION PHASING EGRESS PLANS**

5/20/2026 2:43:09 PM

# CONSTRUCTION PHASE 2

| KEYNOTES - LIFE SAFETY PLAN | | |
|---|---|---|
| NO | NOTE | REV. |
| 1 | EMERGENCY EGRESS PATHS OF TRAVEL MUST BE MAINTAINED AT ALL TIMES AND THROUGH ALL SEQUENCES AND PHASES. | |

## PHASED CONSTRUCTION EGRESS

2

A. THE GENERAL CONTRACTOR SHALL PRODUCE A SITE SAFETY PLAN ACCORDING TO IBC §3302.1 AND SUBMIT TO THE AHJ IN CONJUNCTION WITH THE BUILDING PERMIT APPLICATION.
B. THE SITE SAFETY PLAN SHALL INCLUDE THE FOLLOWING, AS APPLICABLE:
1. NAME AND CONTACT INFORMATION OF SITE SAFETY DIRECTOR.
2. DOCUMENTATION OF THE TRAINING OF THE SITE SAFETY DIRECTOR AND FIRE WATCH PERSONNEL.
3. PROCEDURES FOR REPORTING EMERGENCIES.
4. FIRE DEPARTMENT VEHICLE ACCESS ROUTES.
5. LOCATION OF FIRE PROTECTION EQUIPMENT, INCLUDING PORTABLE FIRE EXTINGUISHERS, STANDPIPES, FIRE DEPARTMENT CONNECTIONS AND FIRE HYDRANTS.
6. SMOKING AND COOKING POLICIES, DESIGNATED AREAS TO BE USED WHERE APPROVED, AND SIGNAGE LOCATIONS IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE.
7. LOCATION AND SAFETY CONSIDERATIONS FOR TEMPORARY HEATING EQUIPMENT.
8. HOT-WORK PERMIT PLAN.
9. PLANS FOR CONTROL OF COMBUSTIBLE WASTE MATERIAL.
10. LOCATIONS AND METHODS FOR STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS AND OTHER HAZARDOUS MATERIALS.
11. PROVISIONS FOR SITE SECURITY AND, WHERE REQUIRED, FOR A FIRE WATCH.
12. CHANGES THAT AFFECT THIS PLAN.
13. OTHER SITE-SPECIFIC INFORMATION REQUIRED BY THE INTERNATIONAL FIRE CODE.

EGRESS DIRECTION DURING PHASED CONSTRUCTION

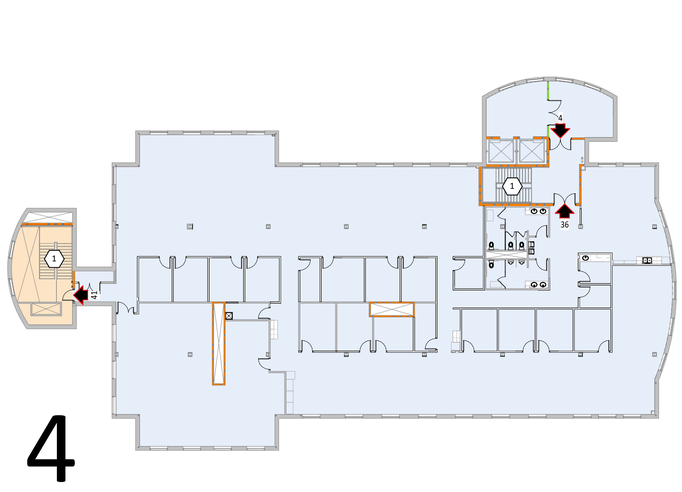
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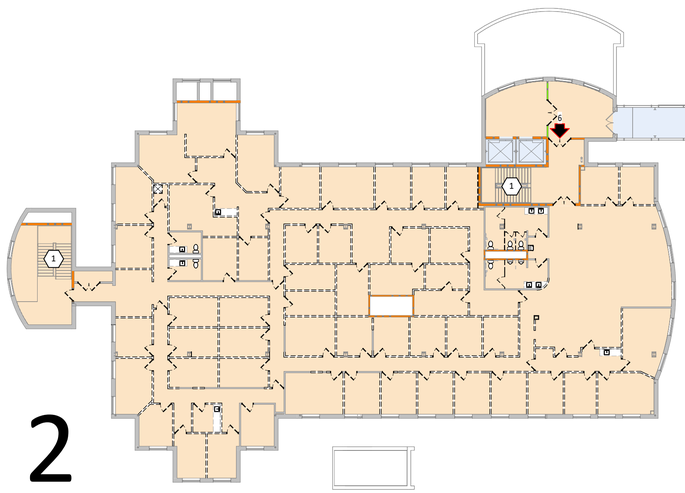
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CONTRACTOR AREA

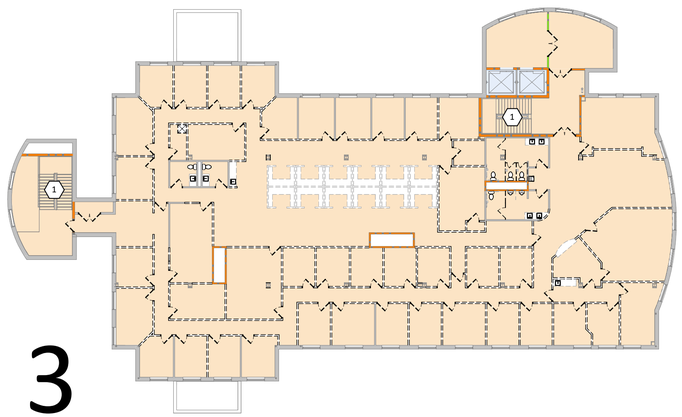
OWNER AREA



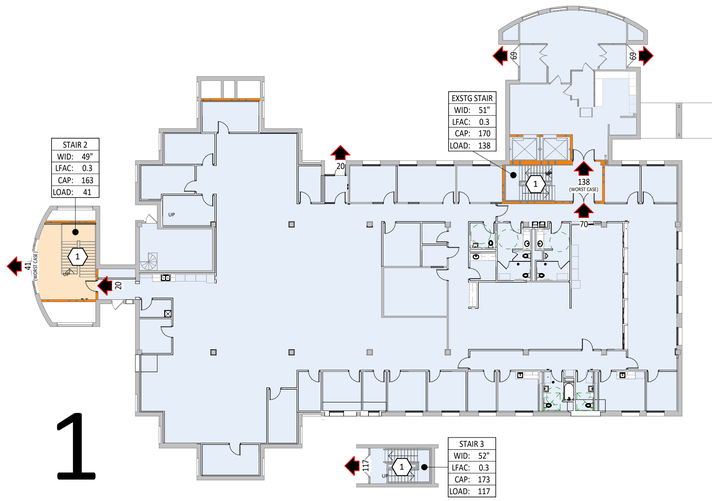

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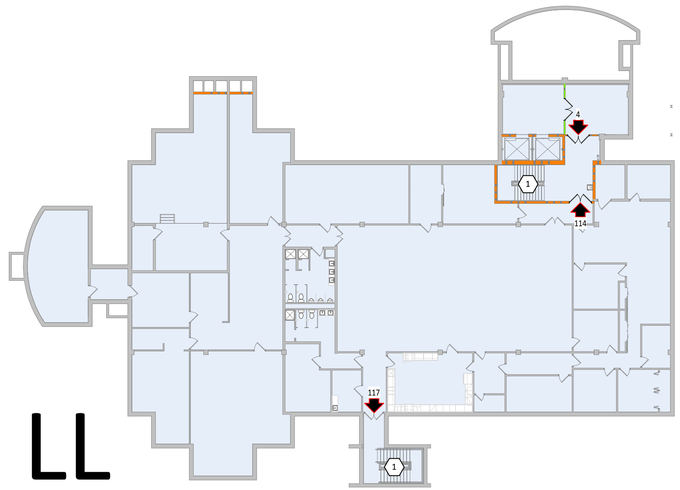

2




3




1




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LICENSED ARCHITECT
TRACY JO JORDRE
5/20/2026
(2031)
STATE OF NORTH DAKOTA

**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
250105

SHEET
**G122**
**CONSTRUCTION PHASING EGRESS PLANS**

5/20/2026 2:43:17 PM

# CONSTRUCTION PHASE 3

| KEYNOTES - LIFE SAFETY PLAN | | |
|---|---|---|
| NO | NOTE | REV. |
| 1 | EMERGENCY EGRESS PATHS OF TRAVEL MUST BE MAINTAINED AT ALL TIMES AND THROUGH ALL SEQUENCES AND PHASES. | |

## PHASED CONSTRUCTION EGRESS

2

A. THE GENERAL CONTRACTOR SHALL PRODUCE A SITE SAFETY PLAN ACCORDING TO IBC §3302.1 AND SUBMIT TO THE AHJ IN CONJUNCTION WITH THE BUILDING PERMIT APPLICATION.
B. THE SITE SAFETY PLAN SHALL INCLUDE THE FOLLOWING, AS APPLICABLE:
1. NAME AND CONTACT INFORMATION OF SITE SAFETY DIRECTOR.
2. DOCUMENTATION OF THE TRAINING OF THE SITE SAFETY DIRECTOR AND FIRE WATCH PERSONNEL.
3. PROCEDURES FOR REPORTING EMERGENCIES.
4. FIRE DEPARTMENT VEHICLE ACCESS ROUTES.
5. LOCATION OF FIRE PROTECTION EQUIPMENT, INCLUDING PORTABLE FIRE EXTINGUISHERS, STANDPIPES, FIRE DEPARTMENT CONNECTIONS AND FIRE HYDRANTS.
6. SMOKING AND COOKING POLICIES, DESIGNATED AREAS TO BE USED WHERE APPROVED, AND SIGNAGE LOCATIONS IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE.
7. LOCATION AND SAFETY CONSIDERATIONS FOR TEMPORARY HEATING EQUIPMENT.
8. HOT-WORK PERMIT PLAN.
9. PLANS FOR CONTROL OF COMBUSTIBLE WASTE MATERIAL.
10. LOCATIONS AND METHODS FOR STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS AND OTHER HAZARDOUS MATERIALS.
11. PROVISIONS FOR SITE SECURITY AND, WHERE REQUIRED, FOR A FIRE WATCH.
12. CHANGES THAT AFFECT THIS PLAN.
13. OTHER SITE-SPECIFIC INFORMATION REQUIRED BY THE INTERNATIONAL FIRE CODE.

EGRESS DIRECTION DURING PHASED CONSTRUCTION

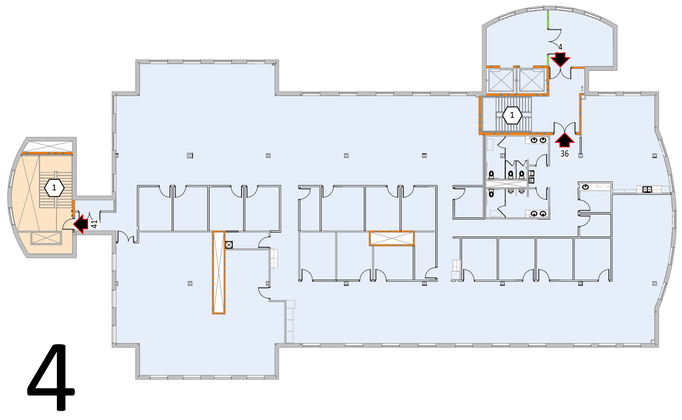
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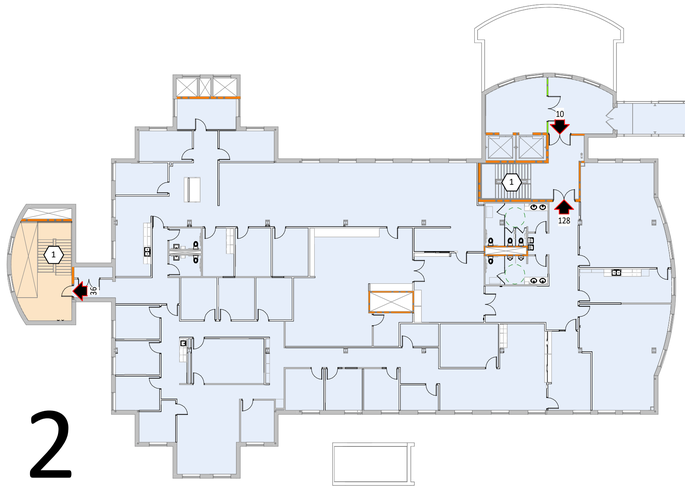
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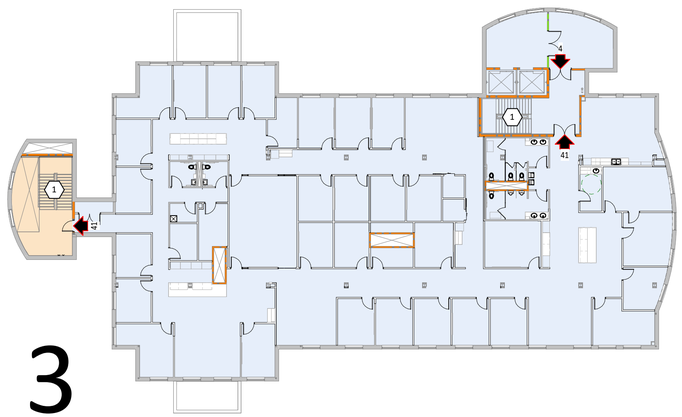
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| CAP: 170 | EGRESS CAPACITY |
| LOAD: ### | EGRESS LOAD |

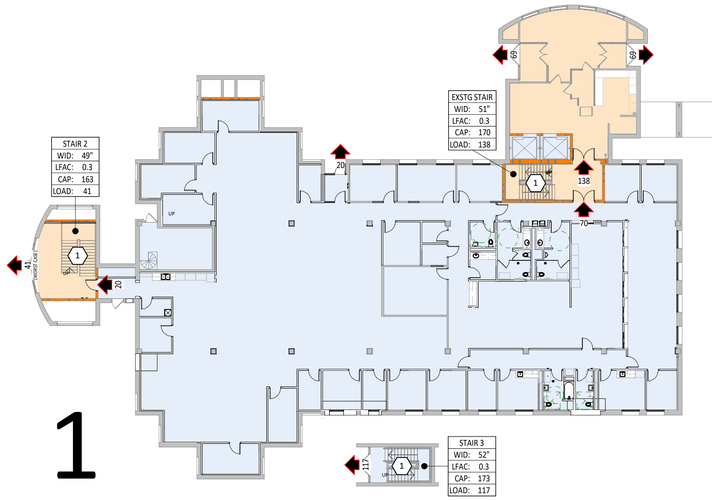
CONTRACTOR AREA

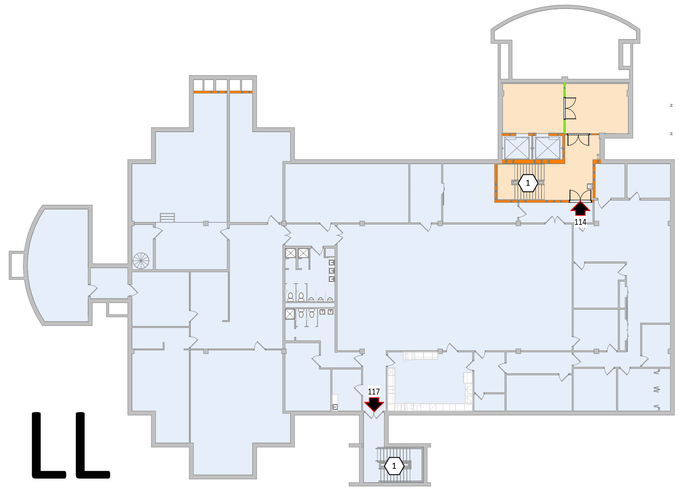
OWNER AREA





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LICENSED ARCHITECT TRACY JO JORDRE 5/20/2026 (2031) STATE OF NORTH DAKOTA

**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2ND AVE S., FARGO, ND 58103

DATE 05/06/26

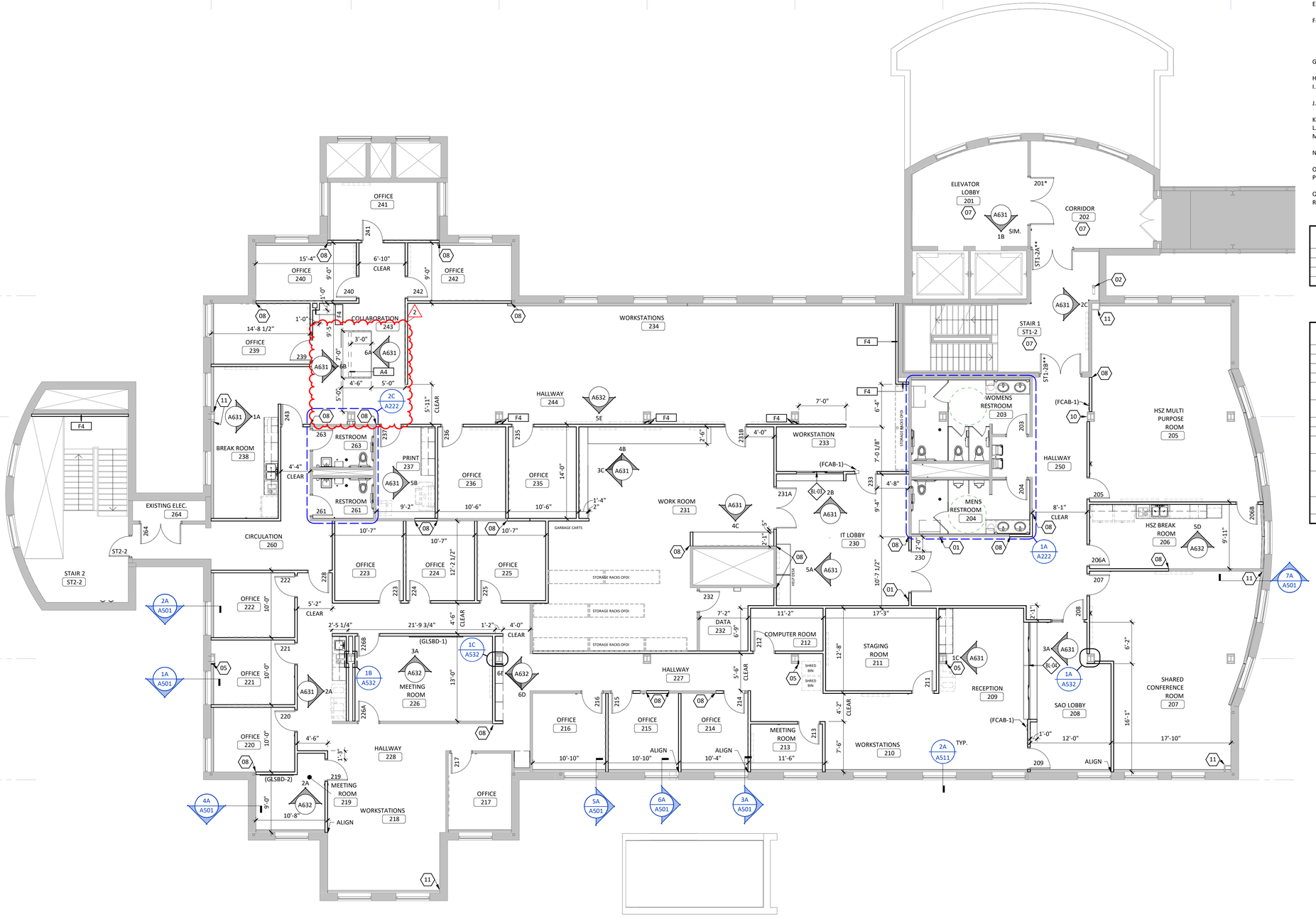
PHASE CONSTRUCTION DOCUMENTS

PROJECT 250105

SHEET **G123**

**CONSTRUCTION PHASING EGRESS PLANS**

5/20/2026 2:43:25 PM




## GENERAL NOTES - FLOOR PLAN

A. FOR TYPICAL BARRIER FREE TOILET ROOM TYPES AND ACCESSORIES REQUIREMENTS AND LOCATIONS SEE DWG G130.
B. FOR TYPICAL HOUSEKEEPING CLOSETS ACCESSORIES REQUIREMENTS AND MOUNTING LOCATIONS SEE DWG G130.
C. ALL PARTITION TYPES ARE "A4" TYPICALLY UNLESS OTHERWISE NOTED.
D. COORDINATE PARTITION FIRE RATED REQUIREMENTS AS INDICATED ON LIFE SAFETY PLANS.
E. TYPICALLY INSTALL SOAP DISPENSERS AND PAPER TOWEL DISPENSER AT ALL SINKS UNLESS NOTED OTHERWISE.
F. PROVIDE WALL REINFORCEMENT PER DETAIL 5C/A630 AT WALL-MOUNTED SHELVES AND STORAGE UNITS, MARKER BOARDS, BULLETIN BOARDS, TACK BOARDS, TELEVISIONS AND OTHER CONTRACTOR OR OWNER FURNISHED WALL-MOUNTED ITEMS (REFER TO ACCESSORIES AND EQUIPMENT SCHEDULE) SEE DWG A800-814 AND A820-A834.
G. FOR ALL CARPET TYPE CHANGES BETWEEN ROOMS, TRANSITION SHALL OCCUR AT CENTERLINE OF DOOR PANEL TYPICALLY - U.N.O. SEE DWG A600-A614.
H. COORDINATE DIMENSIONS WITH ASTERISK (IE - *X'-X") WITH EQUIPMENT VENDOR.
I. FOR INTERIOR METAL STUD CONSTRUCTION ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD, UNLESS NOTED OTHERWISE.
J. ALL DIMENSIONS INDICATED AS 'CLEAR' ARE TO FACE OF FINISH (GYPSUM, TILE, ETC.).
K. ALL MASONRY DIMENSIONS ARE TO FACE OF MASONRY UNLESS NOTED OTHERWISE.
L. ALL EXTERIOR OPENING DIMENSIONS ARE ROUGH OPENINGS.
M. COORDINATE ALL FLOOR OPENING DIMENSIONS AND CLEARANCES FOR DUCTWORK WITH MECHANICAL CONTRACTOR - TYPICAL.
N. COORDINATE AND/OR CONFIRM ANY DIMENSIONAL DISCREPANCIES WITH ARCHITECT PRIOR TO INSTALLATION.
O. GRAY SHADED AREAS DESIGNATE AREAS THAT ARE OUT OF SCOPE.
P. CONTRACTOR TO VERIFY ALL COLUMNS ARE FINISHED. CONTRACTOR SHALL REPAIR/REFINISH EXISTING COLUMN WRAPS.
Q. */** ON DOOR TAGS REFER TO ALTERNATES. SEE G103 OR DOOR SCHEDULE.
R. WINDOW/LOUVER MAY BE REMOVED FOR DELIVERIES OR GARBAGE CHUTE. GC TO CARRY COST OF REMOVAL AND REPLACEMENT TO ORIGINAL CONDITION.

## SHEET SPEC ID LIST

| SPEC ID | SPEC SECTION & DESCRIPTION |
|---|---|
| FCAB-1 | 10 4400 - FIRE EXTINGUISHER CABINET |
| GLSBD-1 | 10 1100 - GLASS BOARD |
| GLSBD-2 | 10 1100 - GLASS BOARD |

## KEYNOTES - FLOOR PLAN

| NO | NOTE | REV. |
|---|---|---|
| 01 | WALL MOUNT, PUSH BUTTON DOOR ACTUATOR. | |
| 02 | EXISTING STANDPIPE TO REMAIN AND BE PAINTED PT-1. | |
| 03 | MOP SINK, SEE PLUMBING AND ROOM FINISH SCHEDULE. | |
| 04 | NEW LOUVER, VERIFY COLOR WITH ARCHITECT AND SIZE WITH MECHANICAL. | |
| 05 | PROVIDE 5/8" GYP ALONG EXTENTS OF DAMAGE FROM DEMOLITION. PROVIDE CONSISTENT FINISH ACROSS NEW AND EXISTING. | |
| 06 | NEW CABINET UNIT HEATER, SEE MECHANICAL. | |
| 07 | SEE FINISH PLANS FOR FINISH UPGRADES. | |
| 08 | ALIGN NEW WALL TO EXISTING. PROVIDE CONSISTENT FINISH ACROSS NEW AND EXISTING; TAPE AND TEXTURE ACROSS JOINT. | |
| 09 | BULLNOSE CMU AT OUTSIDE CORNERS. SEE STRUCTURAL FOR LINTEL INFORMATION. | |
| 10 | FIELD VERIFY EXISTING GYP BD MIGHT NEED TO BE TAKEN DOWN AND REPLACED WITH NEW GYP BD; TAPE AND TEXTURE ACROSS JOINT. REFERENCE DETAIL 5A/A532. | |
| 11 | PATCH/REPAIR EXISTING WALL SURFACE FOLLOWING INSTALLATION OF HYDRONIC PIPING. SEE MECHANICAL. | |
| 12 | RELOCATE GENERATOR ANNUNCIATOR STATION. SEE ELECTRICAL. | |

6A / A202 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

5/20/2026 2:43:31 PM

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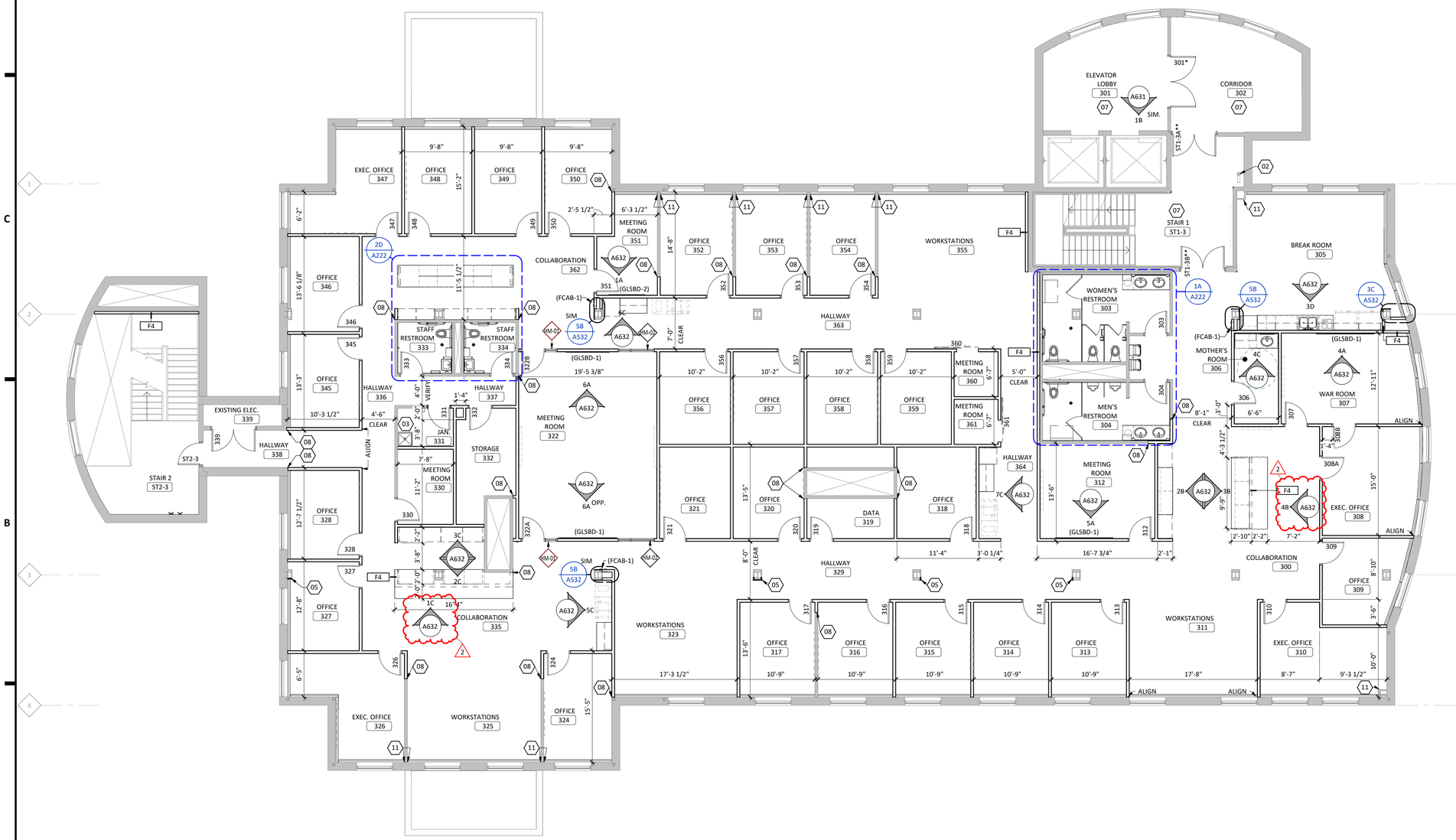
LICENSED ARCHITECT TRACY JO JORDRE 5/20/2026 (2031) STATE OF NORTH DAKOTA

## REVISION SCHEDULE

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE 05/06/26
PHASE CONSTRUCTION DOCUMENTS
PROJECT 250105
SHEET A202
SECOND FLOOR PLAN




## GENERAL NOTES - FLOOR PLAN

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## KEYNOTES - FLOOR PLAN

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| 11 | PATCH/REPAIR EXISTING WALL SURFACE FOLLOWING INSTALLATION OF HYDRONIC PIPING. SEE MECHANICAL. | |
| 12 | RELOCATE GENERATOR ANNUNCIATOR STATION. SEE ELECTRICAL. | |

6A / A203 THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"

5/20/2026 2:43:35 PM

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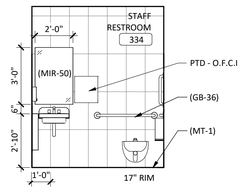
LICENSED ARCHITECT — TRACY JO JORDRE — 5/20/2026 — (2031) — STATE OF NORTH DAKOTA

## REVISION SCHEDULE

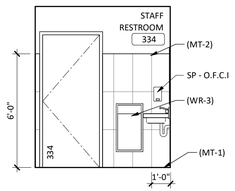
| NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDM 01 | 05/13/26 |
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

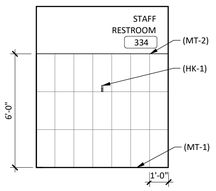
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PROJECT: 250105
SHEET: A203
THIRD FLOOR PLAN



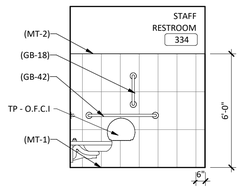

6E A222 STAFF RESTROOM 343 - W. ELEV.
SCALE: 1/4" = 1'-0"



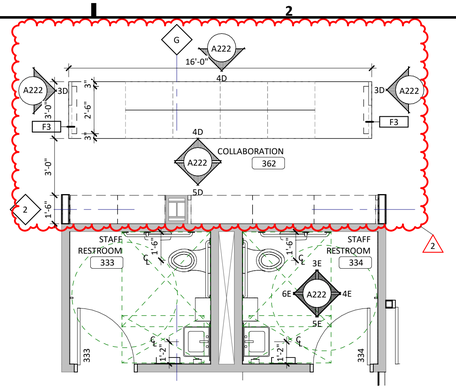

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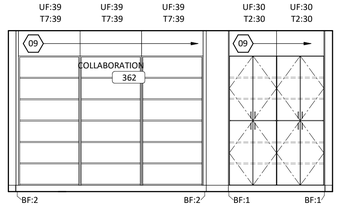

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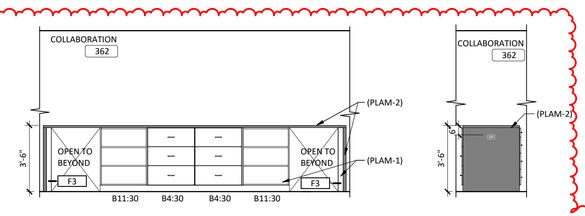

3E A222 STAFF RESTROOM 343 - N. ELEV.
SCALE: 1/4" = 1'-0"




2D A222 ENLARGED 343 & 344 RESTROOMS - ALTERNATE 01
SCALE: 1/4" = 1'-0"



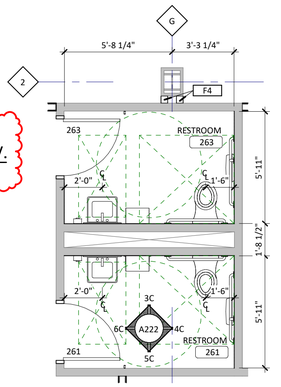

5D A222 NORTH COLLABORATION - S. ELEV.
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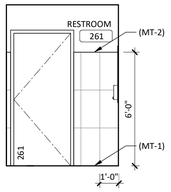



4D A222 NORTH COLLABORATION - N/S ELEV.
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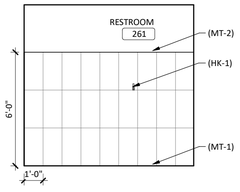



3D A222 NORTH COLLABORATION - E/W ELEV.
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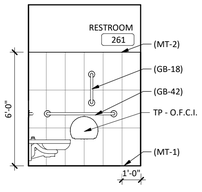


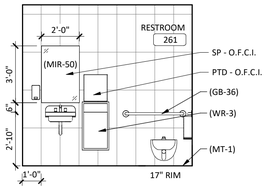

6C A222 RESTROOM 261 - W. ELEV.
SCALE: 1/4" = 1'-0"



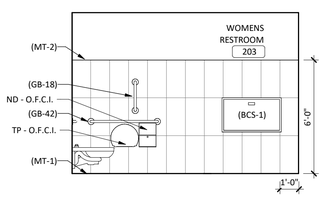

5C A222 RESTROOM 261 - S. ELEV.
SCALE: 1/4" = 1'-0"



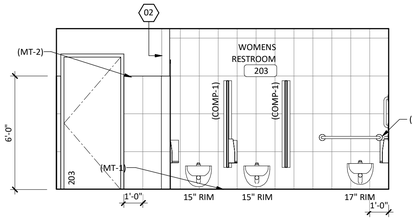

4C A222 RESTROOM 261 - E. ELEV.
SCALE: 1/4" = 1'-0"



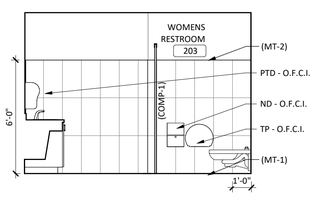

3C A222 RESTROOM 261 - N. ELEV.
SCALE: 1/4" = 1'-0"



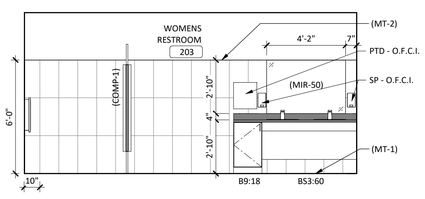

6B A222 WOMENS 203 - W. ELEV.
SCALE: 1/4" = 1'-0"



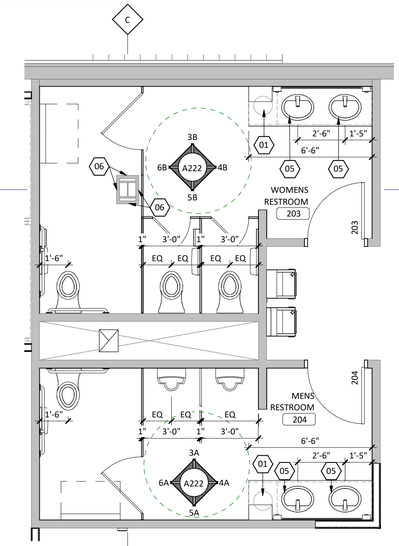

5B A222 WOMENS 203 - S ELEV.
SCALE: 1/4" = 1'-0"



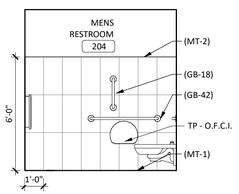

4B A222 WOMENS 203 - E. ELEV.
SCALE: 1/4" = 1'-0"



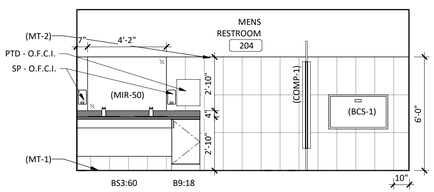

3B A222 WOMENS 203 - N. ELEV.
SCALE: 1/4" = 1'-0"



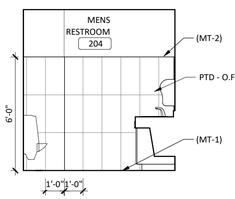

1A A222 ENLARGED 203 & 204 RESTROOM - ALTERNATE 01
SCALE: 1/4" = 1'-0"
THIRD AND FOURTH FLOOR SIMILAR



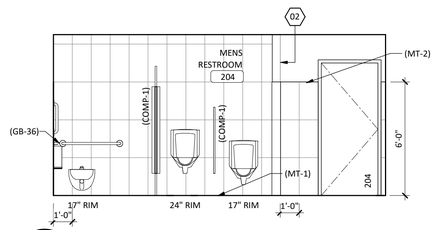

6A A222 MENS 204 - W. ELEV.
SCALE: 1/4" = 1'-0"




5A A222 MENS 204 - S. ELEV.
SCALE: 1/4" = 1'-0"




4A A222 MENS 204 - E. ELEV.
SCALE: 1/4" = 1'-0"




3A A222 MENS 204 - N. ELEV.
SCALE: 1/4" = 1'-0"

## GENERAL NOTES - INTERIOR ELEVATIONS

A. REFER TO A620 & A621 FOR STANDARD CASEWORK ELEVATIONS AND CONSTRUCTION.
B. **ALL WALL SURFACES TO BE (PT-1) UNLESS NOTED OTHERWISE.**
C. PROVIDE LEVEL '5' DRYWALL FINISH AT ALL APPLIED GRAPHICS AND WRITABLE WALL SURFACE LOCATIONS.
D. PROVIDE WALL REINFORCEMENT AT ALL WALL MOUNTED ITEMS.
E. ANY EXPOSED CABINET EDGE OR FACE SHALL BE FINISHED TO MATCH ADJACENT CABINET FINISH.
F. PAINT ALL EXPOSED (VISIBLE) DUCTWORK ABOVE THE CEILING LINE OF CLOUDS **(PT-7)**.
G. SEE SHEET G130-G131 FOR ALL TOILET RIM HEIGHTS AND ACCESSORY MOUNTING HEIGHTS.

●— # - EQUIPMENT TAG : REFER TO SPECIALTY EQUIPMENT SCHEDULE ON THIS SHEET FOR SPECIFIC INFORMATION AND PROVIDER

## SHEET SPEC ID LIST

| SPEC ID | SPEC SECTION & DESCRIPTION |
|---|---|
| BCS-1 | 10 2800 - BABY CHANGING STATION; POLYETHYLENE |
| COMP-1 | 10 2113.19 - PLASTIC TOILET COMPARTMENT |
| GB-18 | 10 2800 - GRAB BAR; 18 INCHES |
| GB-36 | 10 2800 - GRAB BAR; 36 INCHES |
| GB-42 | 10 2800 - GRAB BAR; 42 INCHES |
| HK-1 | 10 2800 - COAT/ROBE HOOK, SINGLE PRONG |
| MIR-50 | 10 2800 - MIRROR; ANGLE FRAMED |
| MT-1 | 09 3000 - TILE TRIM |
| MT-2 | 09 3000 - TILE TRIM |
| PLAM-1 | 06 4100 - PLASTIC LAMINATE FACED CASEWORK |
| PLAM-2 | 06 4100 - PLASTIC LAMINATE FACED CASEWORK |
| WR-3 | 10 2800 - WASTE RECEPTACLE, SEMI-RECESSED |

## KEYNOTES - INTERIOR ELEV.

| NO | NOTE | REV. |
|---|---|---|
| 01 | 12" DIA. S.S. GROMMET CENTERED IN CTOP ABOVE CABINET. | |
| 02 | INSTALL TILE AND METAL TRIM TO 6'-0" A.F.F. ON SIDE/WING WALL. PAINT REMAINDER OF WALL TO MATCH ADJACENT WALLS. | |
| 03 | INSTALL TILE FULL HEIGHT ON SIDE/WING WALL. | |
| 04 | INSTALL (MT-2) METAL TRIM AT OUTSIDE CORNER OF WALL, FULL HEIGHT OF TILE. | |
| 05 | INTEGRAL SOLID SURFACE SINK BOWL BY CTOP PROVIDER, UNDERMOUNT. FAUCET BY M.C. - SEE MECH. | |
| 06 | INSTALL TILE AND METAL TRIM TO 6'-0" A.F.F. ON COLUMN FURRING. PAINT REMAINDER OF SURFACE TO MATCH ADJACENT WALLS. | |
| 07 | CASEWORK DOOR TO OPEN FLUSH WITH FLOORING; NO BASE SUPPORT. | |
| 08 | GLASS BOARDS INCORPORATED WITHIN FURNITURE SCOPE. | |
| 09 | GRAIN PATTERN OF PLAM SHALL RUN VERTICALLY TO MATCH CABINET DOORS. PROVIDE FLUSH SEAMS AS REQUIRED IN PANELS. | |
| 10 | EXISTING STANDPIPE TO REMAIN AND BE PAINTED PT-1. REPEAT AT ALL LOCATIONS. | |
| 11 | GC TO COORDINATE REMOVAL AND REINSTALLATION OF ELEVATOR CALL BUTTONS TO ACCOMODATE NEW SCHEDULE WALL PANELS. RE: FINISH PLAN | |
| 12 | INSTALL WC-1 WRAPPED AROUND CORNER TO TERMINATE AT GLASS | |


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## REVISION SCHEDULE

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
250105
SHEET
A222
ENLARGED PLANS AND ELEVATIONS

5/20/2026 2:43:49 PM

## KEYNOTES - FINISH PLAN

| XX | NOTE | REV. |
|---|---|---|
| 1 | WT-1 BASE BID \| WT-2 ALTERNATE #9 | |
| 2 | INSTALL NEW COUNTERTOP ONLY. PROTECT AND SALAVAGE EXISTING BASE CABINETS DURING CONSTRUCTION. RE: ROOM FINISH SCHEDULE | |
| 3 | WRAP SCHEDULED RUBBER BASE TO DIE INTO ELEVATOR FRAME | |

## GENERAL NOTES - FINISH PLAN

1. PAINT ALL EXPOSED CMU AND GYPSUM BOARD UNLESS NOTED OTHERWISE.
2. PROVIDE LEVEL 5 DRYWALL FINISH AT ALL APPLIED WALL GRAPHICS (WC-1) LOCATIONS.
3. PAINT HORIZONTAL AND VERTICAL FACES OF ALL SOFFITS AND BULKHEADS.
4. PROVIDE APPROPRIATE FLOORING TRANSITION TYPE. CENTER UNDER DOOR UNLESS NOTED OTHERWISE AT DOOR LOCATIONS.
5. REFERENCE SPECIFICATIONS FOR MATERIALS LISTED IN FINISH SCHEDULE.
6. PAINT ALL METAL SURFACES AT STAIRS, INCLUDING, BUT NOT LIMITED TO: STRINGERS, RISERS, AND RAILINGS.
7. SCHLUTER SYSTEMS TRIMS. REFERENCE SPECIFICATIONS.
8. REFERENCE ELEVATIONS.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISHES.
10. ALL ROOM FINISH SCHEDULE DIRECTIONS REFER TO PLAN NORTH.
11. PROVIDE MT-2 AT ALL EXPOSED TILE EDGES.
12. TILE HEIGHT IS MEASURED FROM TOP OF METAL COVE TRIM AT RESTROOMS.
13. INSTALL ALL CORNER GUARDS AT TOP HEIGHT OF WALL BASE.
14. GRAY SHADED AREAS DESIGNATE AREAS THAT ARE OUT OF SCOPE. NO FINISH WORK.
15. ALL EXISTING WALLS WITHIN ROOMS THAT CONTAIN NEW WORK TO RECEIVE SCHEDULED FINISH. RE: ROOM FINISH SCHEDULE.

## FINISH PLAN SYMBOLS LEGEND

- FINISH EXTENT LINE
- FINISH EXTENT TERMINATION POINT
- FLOOR FINISH DIRECTION
- FLOOR TRANSITION POINT
- ## CODE REQUIRED SIGN (SEE SHEET A650 FOR TYPES)

6A / A601 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

5/20/2026 2:43:55 PM

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**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2ND AVE S., FARGO, ND 58103

DATE: 05/06/26
PHASE: CONSTRUCTION DOCUMENTS
PROJECT: 250105
SHEET: **A601**
**FIRST FLOOR FINISH PLAN**

## KEYNOTES - FINISH PLAN

| NO | NOTE | REV. |
|---|---|---|
| 1 | WT-1 BASE BID \| WT-2 ALTERNATE #9 | |
| 2 | INSTALL NEW COUNTERTOP ONLY. PROTECT AND SALAVAGE EXISTING BASE CABINETS DURING CONSTRUCTION; RE: ROOM FINISH SCHEDULE | |
| 3 | WRAP SCHEDULED RUBBER BASE TO DIE INTO ELEVATOR FRAME | |

## GENERAL NOTES - FINISH PLAN

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8. REFERENCE ELEVATIONS.
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## FINISH PLAN SYMBOLS LEGEND

- FINISH EXTENT LINE
- FINISH EXTENT TERMINATION POINT
- FLOOR FINISH DIRECTION
- FLOOR TRANSITION POINT
- ## CODE REQUIRED SIGN (SEE SHEET A650 FOR TYPES)


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| 1 | ADDM 01 | 05/13/26 |
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
250105

SHEET
# A602

SECOND FLOOR FINISH PLAN

6A / A602 SECOND FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

5/20/2026 2:44:00 PM




6A
A603
THIRD FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

## KEYNOTES - FINISH PLAN

| XX | NOTE | REV. |
|---|---|---|
| 1 | WT-1 BASE BID \| WT-2 ALTERNATE #9 | |
| 2 | INSTALL NEW COUNTERTOP ONLY. PROTECT AND SALAVAGE EXISTING BASE CABINETS DURING CONSTRUCTION; RE: ROOM FINISH SCHEDULE | |
| 3 | WRAP SCHEDULED RUBBER BASE TO DIE INTO ELEVATOR FRAME | |

## GENERAL NOTES - FINISH PLAN

1. PAINT ALL EXPOSED CMU AND GYPSUM BOARD UNLESS NOTED OTHERWISE.
2. PROVIDE LEVEL 5 DRYWALL FINISH AT ALL APPLIED WALL GRAPHICS (WC-1) LOCATIONS.
3. PAINT HORIZONTAL AND VERTICAL FACES OF ALL SOFFITS AND BULKHEADS.
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7. SCHLUTER SYSTEMS TRIMS. REFERENCE SPECIFICATIONS.
8. REFERENCE ELEVATIONS.
9. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISHES.
10. ALL ROOM FINISH SCHEDULE DIRECTIONS REFER TO PLAN NORTH.
11. PROVIDE MT-2 AT ALL EXPOSED TILE EDGES.
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14. GRAY SHADED AREAS DESIGNATE AREAS THAT ARE OUT OF SCOPE. NO FINISH WORK.
15. ALL EXISTING WALLS WITHIN ROOMS THAT CONTAIN NEW WORK TO RECEIVE SCHEDULED FINISH. RE: ROOM FINISH SCHEDULE.

## FINISH PLAN SYMBOLS LEGEND

- FINISH EXTENT LINE
- FINISH EXTENT TERMINATION POINT
- FLOOR FINISH DIRECTION
- FLOOR TRANSITION POINT
- ## CODE REQUIRED SIGN (SEE SHEET A650 FOR TYPES)

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|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
250105
SHEET
A603
THIRD FLOOR FINISH PLAN

5/20/2026 2:44:04 PM

## KEYNOTES - FINISH PLAN

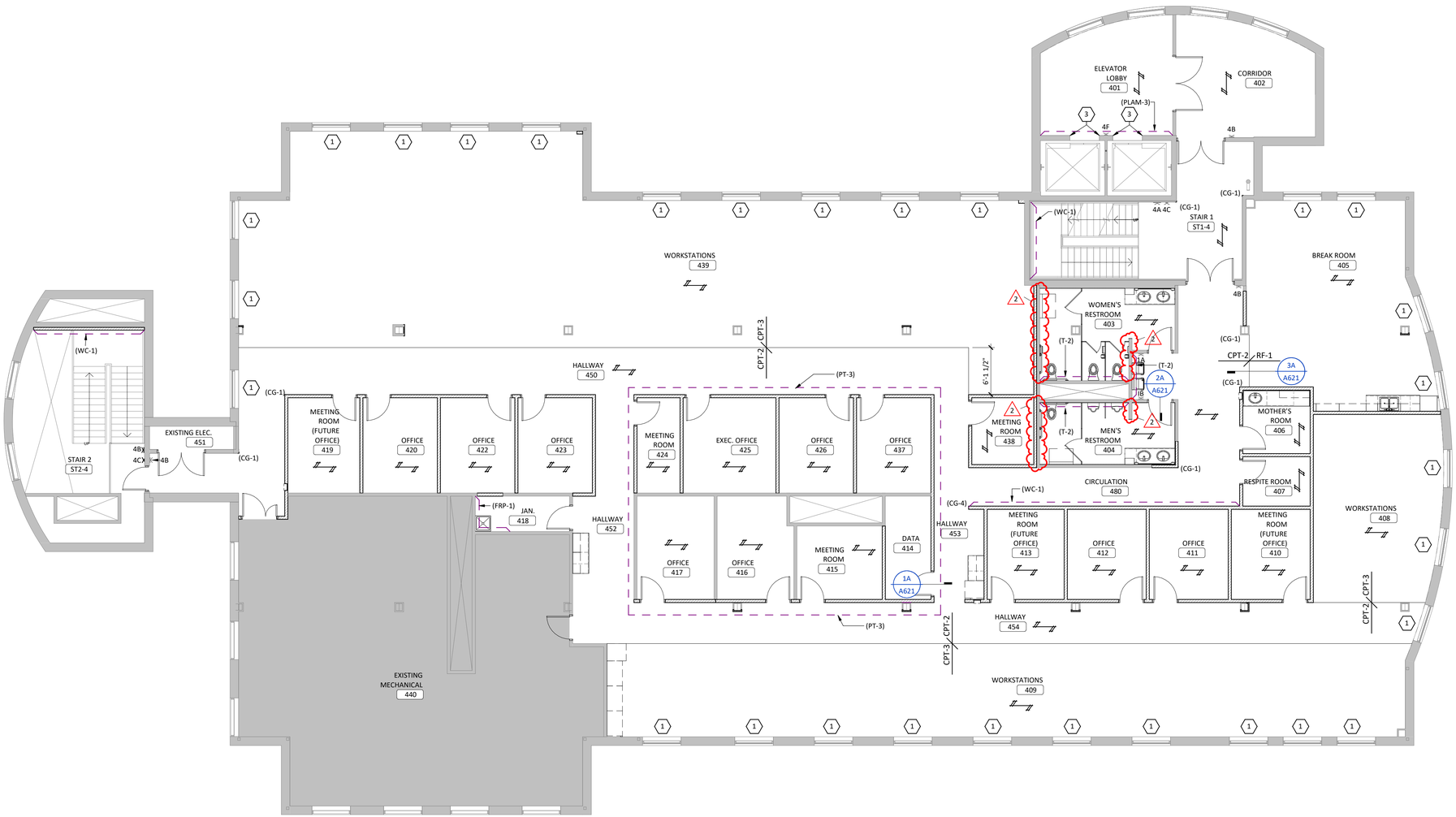
| NO | NOTE | REV. |
|---|---|---|
| 1 | WT-1 BASE BID \| WT-2 ALTERNATE #9 | |
| 2 | INSTALL NEW COUNTERTOP ONLY. PROTECT AND SALAVAGE EXISTING BASE CABINETS DURING CONSTRUCTION; RE: ROOM FINISH SCHEDULE | |
| 3 | WRAP SCHEDULED RUBBER BASE TO DIE INTO ELEVATOR FRAME | |

## GENERAL NOTES - FINISH PLAN

1. PAINT ALL EXPOSED CMU AND GYPSUM BOARD UNLESS NOTED OTHERWISE.
2. PROVIDE LEVEL 5 DRYWALL FINISH AT ALL APPLIED WALL GRAPHICS (WC-1) LOCATIONS.
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11. PROVIDE MT-2 AT ALL EXPOSED TILE EDGES.
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## FINISH PLAN SYMBOLS LEGEND

- FINISH EXTENT LINE
- FINISH EXTENT TERMINATION POINT
- FLOOR FINISH DIRECTION
- FLOOR TRANSITION POINT
- ## CODE REQUIRED SIGN (SEE SHEET A650 FOR TYPES)





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## REVISION SCHEDULE

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| 1 | ADDM 01 | 05/13/26 |
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CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
250105

SHEET
# A604

FOURTH FLOOR FINISH PLAN

6A / A604 FOURTH FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

NORTH

5/20/2026 2:44:07 PM

| PRODUCT CODE | MANUFACTURER | PRODUCT | COLOR | DESCRIPTION | REMARKS |
|---|---|---|---|---|---|
| DIVISION 03 - CONCRETE | | | | | |
| CONCRETE FLOOR FINISHES (03 3000) | | | | | |
| CSLR-1 (SEALED CONCRETE) | REFER TO SPECIFICATIONS | REFER TO SPECIFICATIONS | REFER TO SPECIFICATIONS | REFER TO SPECIFICATIONS | |
| DIVISION 06 - WOOD, PLASTIC AND COMPONENTS | | | | | |
| ARCHITECTURAL WOOD CASEWORK (06 4100) | | | | | |
| PLAM-1 (PLASTIC LAMINATE) | WILSONART | STANDARD | WALNUT HEIGHTS 7965-12 | SOFTGRAIN FINISH | CASEWORK FRONTS |
| DIVISION 08 - OPENINGS | | | | | |
| FLUSH WOOD DOORS (08 1416) | | | | | |
| DR-1 (DOOR) | VT INDUSTRIES | PLAIN SLICED RED OAK VENEER | RAVINE, RA18 | WOOD DOOR | - |
| DIVISION 09 - FINISHES | | | | | |
| TILING (09 3000) | | | | | |
| T-1 (TILE) | ITALGRANITI | I CEMENTI | FLAX CIOTTOLO | 60 X 120 CM, 9MM THICKNESS 24" X 48" | STACKED INSTALL |
| T-2 (TILE) | ITALGRANITI | I CEMENTI | FLAX | 30 X 60 CM , 9MM THICKNESS 12" X 24" | STACKED INSTALL |
| T-3 (TILE) | DALTILE | ARTCRAFTED | COCONUT AC23 GLOSSY | 1" X 6" MOSAIC | VERTICAL STACK |
| GT-1 (GROUT) | LATICRETE | REFERENCE SPECIFICATIONS | DESIGNER TO SELECT FROM FULL RANGE | - | USE WITH T-1 AND T-2 |
| MT-1 (METAL TRIM) | SCHLUTER | DILEX-AHX | SATIN ANODIZED ALUMINUM | METAL COVE BASE | TILE TO TILE WALL BASE |
| MT-2 (METAL TRIM) | SCHLUTER | JOLLY | SATIN ANODIZED ALUMINUM | METAL TRIM | TOPS OF TILE EDGES |
| ACOUSTICAL TILE CEILING (09 5100) | | | | | |
| ACT-1 (ACOUSTICAL CEILING TILE) | ARMSTRONG | CALLA - TEGULAR | WHITE | 24"X24"X1", 0.85 NRC & 35 CAC | 15/16" GRID |
| ACT-2 (ACOUSTICAL CEILING TILE) | ARMSTRONG | OPTIMA - SQUARE LAY-IN | WHITE | 24"X48"X1", 0.95 NRC | EXISTING 15/16" GRID |
| RESILIENT FLOORING (09 6500) | | | | | |
| RB-1 (RESILIENT BASE) | TARKETT (JOHNSONITE) | BASEWORK THERMOSET RUBBER | PEPPERCORN TB1 | 4" HIGH, WITH TOE | - |
| RB-2 (RESILIENT BASE) | TARKETT (JOHNSONITE) | BASEWORK THERMOSET RUBBER | COLOR TO MATCH EXISTING AT COURTHOUSE FOURTH FLOOR | 4" HIGH, WITH TOE | - |
| RST-1 (RESILIENT STAIR TREAD) | NORA | NORAMENT ARAGO TREAD | CALM | 63.54" X 19.76", 5 MM THICKNESS | CUT TO WIDTH OF STAIR |
| FLOORING TRANSITION | TARKETT (JOHNSONITE) | REFERENCE SPECIFICATIONS | PEPPERCORN TB1 | - | - |
| RF-1 (RUBBER FLOORING) | NORA | NORAMENT ARAGO TILE | CALM | 39.53" X 19.76", 3.5 MM THICKNESS | MONOLITHIC INSTALL |
| CARPET (09 6813) | | | | | |
| CPT-1 (CARPET TILE) | J+J INVISION | INCOGNITO 7069 | OPERATIVE 1837 | 24" x 24" TILE NEXUS MODULAR BACKING | ASHLAR INSTALL |
| CPT-2 (CARPET TILE) | J+J INVISION | COMPOSITION 7507 | SOFT ADOBE 3691 | 24" x 24" TILE NEXUS MODULAR BACKING | ASHLAR INSTALL |
| CPT-3 (CARPET TILE) | J+J INVISION | CURATE 7508 | SOFT ADOBE 3691 | 24" x 24" TILE NEXUS MODULAR BACKING | ASHLAR INSTALL |
| CPT-4 (CARPET TILE) | J+J INVISION | FLOW 7512 | PECAN 3760 | 18" x 36" TILE NEXUS MODULAR BACKING | ASHLAR INSTALL |
| CPT-5 (CARPET TILE) | J+J INVISION | COMPOSITION 7507 | BRINDLE 3690 | 24" x 24" TILE NEXUS MODULAR BACKING | ASHLAR INSTALL |
| CPT-6 (CARPET TILE) | J+J INVISION | CUMULUS 7480 | NIMBUS NATURAL | 18" x 36" TILE NEXUS MODULAR BACKING | ASHLAR INSTALL |
| CPT-7 (CARPET TILE) | J+J INVISION | KINETEX - DOWNTOWN 1850 | ROUTE 66 3153 | 24" x 24" TILE KINETEX FELT CUSHION BACKING | ASHLAR INSTALL |
| WALLCOVERINGS (09 7200) | | | | | |
| WC-1 (WALLCOVERING) | MDC | DIGITAL | CUSTOM | TYPE II, 20 OZ., DREAMSCAPE SUEDE | |
| FIBERGLASS REINFORCED PANELS (09 7733) | | | | | |
| FRP -1 | MARLITE | STANDARD FRP | BRIGHT WHITE | PEBBLE FINISH | CLASS A RATED |
| SOUND ABSORBING WALL AND CEILING UNITS (09 8430) | | | | | |
| SAWP-1 (SOUND ABSORBING WALL PANEL) | ZINTRA | ETCHED RIVERS | PEBBLE | 48" X 108" X 1/2" | DIRECT GLUE INSTALLATION |
| SAWP-2 (SOUND ABSORBING WALL PANEL) | TURF | 9MM SHEET | 11 CELADON | BEVELED EDGE, 48" X 120" | DIRECT GLUE INSTALLATION |
| SAWP-3 (SOUND ABSORBING WALL PANEL) | ZINTRA | 1/2" SHEET | TWILIGHT | 48" X 108" X 1/2" | DIRECT GLUE INSTALLATION |
| SAWP-4 (SOUND ABSORBING WALL PANEL) | ZINTRA | ETCHED RIVERS | TWILIGHT | 48" X 108" X 1/2" | DIRECT GLUE INSTALLATION |
| PAINTING AND COATING (09 9000) | | | | | |
| PT-1 (PAINT) | SHERWIN WILLIAMS | REFERENCE SPECIFICATIONS FOR PAINT TYPE PER SUBSTRATE | ALBASTER SW 7008 | SATIN FINISH | |
| PT-2 (PAINT) | SHERWIN WILLIAMS | REFERENCE SPECIFICATIONS FOR PAINT TYPE PER SUBSTRATE | WORDLY GRAY SW 7043 | SATIN FINISH | |
| PT-3 (PAINT) | SHERWIN WILLIAMS | REFERENCE SPECIFICATIONS FOR PAINT TYPE PER SUBSTRATE | ROCKY RIVER SW 6215 | SATIN FINISH | |
| PT-4 (PAINT) | SHERWIN WILLIAMS | REFERENCE SPECIFICATIONS FOR PAINT TYPE PER SUBSTRATE | RIVERWAY SW 6222 | SATIN FINISH | |
| PT-5 (PAINT) | SHERWIN WILLIAMS | REFERENCE SPECIFICATIONS FOR PAINT TYPE PER SUBSTRATE | GALE FORCE SW 7605 | SATIN FINISH | |
| PT-6 (PAINT) | SHERWIN WILLIAMS | REFERENCE SPECIFICATIONS FOR PAINT TYPE PER SUBSTRATE | TAUPE TONE SW 7633 | SEMI-GLOSS FINISH | STAIR STRINGERS, RAILINGS, AND UNDERSTRUCTURE, HOLLOW METAL FRAMES |
| PT-7 (PAINT) | SHERWIN WILLIAMS | REFERENCE SPECIFICATIONS FOR PAINT TYPE PER SUBSTRATE | HIGH REFLECTIVE WHITE SW 7757 | FLAT FINISH | DRYWALL CEILINGS ONLY |
| PT-8 (PAINT) | SHERWIN WILLIAMS | REFERENCE SPECIFICATIONS FOR PAINT TYPE PER SUBSTRATE | WORDLY GRAY SW 7043 | FLAT FINISH | DRYWALL CEILING ONLY AT LOBBY 116 |
| PT-9 (PAINT) | SHERWIN WILLIAMS | REFERENCE SPECIFICATIONS FOR PAINT TYPE PER SUBSTRATE | CUSTOM COLOR TO MATCH EXISTING AT COURTHOUSE FOURTH FLOOR | MATCH EXISTING FINISH | |
| DIVISION 10 - SPECIALTY EQUIPMENT | | | | | |
| VISUAL DISPLAY BOARDS (10 1100) | | | | | |
| GLSBD-1 (GLASS BOARD) | DEKO | DEKO PREMIER GLASSBOARDS | DIAMOND FX | 4' X 8', MAGNETIC, FIT MOUNT, CROWN CORNERS WITH BRILLIANCE EDGE, MAGNETIC ACCESSORY KIT INCLUDED | REFERENCE DRAWINGS FOR LOCATIONS |
| GLSBD-2 (GLASS BOARD) | DEKO | DEKO PREMIER GLASSBOARDS | DIAMOND FX | 4' X 5', MAGNETIC, FIT MOUNT, CROWN CORNERS WITH BRILLIANCE EDGE, MAGNETIC ACCESSORY KIT INCLUDED | REFERENCE DRAWINGS FOR LOCATIONS |
| GLSBD-3 (GLASS BOARD) | DEKO | DEKO PREMIER GLASSBOARDS | DIAMOND FX | 4' X 6', MAGNETIC, FIT MOUNT, CROWN CORNERS WITH BRILLIANCE EDGE, MAGNETIC ACCESSORY KIT INCLUDED | REFERENCE DRAWINGS FOR LOCATIONS |
| COMPARTMENTS - TOILET/ SHOWER/ DRESSING (10 2113) | | | | | |
| COMP-1 (TOILET PARTITION) | SCRANTON | HINY HIDERS | SHALE | FINISH: ORANGE PEEL | FLOOR MOUNTED, OVERHEAD BRACED |
| PROTECTION - WALL AND DOOR (10 2600) | | | | | |
| CG-1 (CORNER) | INPRO | 160 HIGH IMPACT CORNER GUARD | WHITE SAND 0103 | SIZE: 2" WING SIZE, 8' HIGH INSTALL: HEAVY DUTY ADHESIVE | REFERENCE DRAWINGS FOR LOCATIONS |
| CG-2 (CORNER) | FRY REGLET | DRMCB1875 | FINISH AS SELECTED BY ARCHITECT FROM MFR'S FULL AND EXTENDED LINES OF AVAILABLE COLORS | DRYWALL CORNER BEAD | REFERENCE DRAWINGS FOR LOCATIONS |
| CG-3 (CORNER) | FRY REGLET | WCTOSC | FINISH AS SELECTED BY ARCHITECT FROM MFR'S FULL AND EXTENDED LINES OF AVAILABLE COLORS | WALLCOVERING OUTSIDE CORNER | REFERENCE DRAWINGS FOR LOCATIONS |
| CG-4 (CORNER) | FRY REGLET | WCTOSCTR125-217 | FINISH AS SELECTED BY ARCHITECT FROM MFR'S FULL AND EXTENDED LINES OF AVAILABLE COLORS | DRYWALL TO WALLCOVERING TRANSITION CORNER | REFERENCE DRAWINGS FOR LOCATIONS |
| PLAM-3 (PLASTIC LAMINATE) | FORMICA | HARDSTOP | CHESTNUT WOODLINE 5884-58 | SIZE: 48" X 120" PANELS COLOR MATCHED SILICONE JOINTS, INCLUDE OUTSIDE CORNER TRIM COLOR 103 DARK BRONZE | WALL PROTECTION |
| DIVISION 12 - FURNISHINGS | | | | | |
| COUNTERTOPS (12 3600) | | | | | |
| PLAM-2 (PLASTIC LAMINATE) | WILSONART | STANDARD | CASUAL LINEN 4942-38 | | |
| SSM-1 (SOLID SURFACE) | CORIAN | STANDARD SOLID SURFACE | ASH AGGREGATE | THICKNESS: 1/2", EASED EDGE | |
| SSM-2 (SOLID SURFACE) | CORIAN | STANDARD SOLID SURFACE | NATURAL AGGREGATE | THICKNESS: 1/2", EASED EDGE | |
| SSM-3 (SOLID SURFACE) | CORIAN | STANDARD SOLID SURFACE | CAMEO WHITE | THICKNESS: 1/2", EASED EDGE | INTEGRAL SINK BOWLS |
| SSM-4 (SOLID SURFACE) | CORIAN | STANDARD SOLID SURFACE | NEUTRAL CONCRETE | THICKNESS: 1/2", EASED EDGE | WINDOW SILLS DEDUCT ALTERNATE |
| QTZ-1 (QUARTZ SURFACE) | LX HAUSYS | VIATERA | SUGAR WHITE CQ518 | 2CM THICKNESS, EASED EDGE, POLISHED FINISH | |
| HORIZONTAL LOUVER BLINDS (12 2113) | | | | | |
| WT-2 (WINDOW TREATMENT) | HUNTER DOUGLAS ARCHITECTURAL | RIVIERA COMMERCIAL ALUMINUM BLINDS | DESIGNER TO SELECT FROM FULL RANGE | 1" MINI BLIND | DEDUCT ALTERNATE |
| WINDOW SHADES (12 2400) | | | | | |
| WT-1 (WINDOW TREATMENT) | MECHO SHADE | MECHO/5 | FABRIC: SOHO 1600 SERIES - ONYX TWEED | MANUAL, SINGLE SHADE, 3% OPEN, REVERSE ROLL, WITHOUT FASCIA | BASE BID |

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LICENSED ARCHITECT TRACY JO JORDRE 5/20/2026 (2031) STATE OF NORTH DAKOTA

**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDM 01 | 05/13/26 |
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2ND AVE S., FARGO, ND 58103

DATE
**05/06/26**
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
**250105**
SHEET
**A620**
**FINISH / SPEC INFORMATION**

5/20/2026 2:44:10 PM

## ROOM FINISH SCHEDULE - BASEMENT

| ROOM NUMBER | ROOM NAME | BASE | FLOOR | WALLS NORTH | WALLS EAST | WALLS SOUTH | WALLS WEST | CASEWORK | COUNTERS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 001 | ELEVATOR LOBBY | RB-1 | CPT-5 | PT-1 | PT-1 | PT-1/*PLAM-3 | PT-1 | - | - | *C |
| 002 | CORRIDOR | RB-1 | CPT-5 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| ST1-B | STAIR 1 | RB-1 | *CPT-5/RST-1/RF-1 | PT-1 | PT-1 | PT-1 | WC-1 | - | - | *B, RF-1 LANDINGS, PAINT STRINGERS, RAILINGS, AND UNDERSTRUCTURE PT-6 |

## ROOM FINISH SCHEDULE - FIRST FLOOR

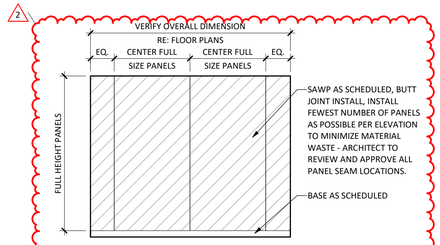
| ROOM NUMBER | ROOM NAME | BASE | FLOOR | WALLS NORTH | WALLS EAST | WALLS SOUTH | WALLS WEST | CASEWORK | COUNTERS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 101 | VESTIBULE | RB-1 | CPT-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 102 | BUILDING LOBBY | RB-1 | CPT-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 103 | VESTIBULE | RB-1 | CPT-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 104 | ELEVATOR LOBBY | RB-1 | CPT-1 | PT-1 | PT-1 | PT-1/*PLAM-3 | PT-1 | - | - | *C |
| 106 | SECURITY STATION | RB-1 | CPT-1 | PT-1 | PT-1 | PT-1 | PT-1/*PLAM-3 | - | QTZ-1 | *C |
| 107 | SECURITY STORAGE | RB-1 | CPT-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 109 | HALLWAY | RB-1 | CPT-7 | PT-1 | PT-1 | PT-1/T-2/*PLAM-3/WC-1 | PT-1 | - | QTZ-1 | *C |
| 110 | MEETING | RB-1 | CPT-7 | PT-3 | SAWP-2 | PT-3 | PT-3 | - | - | |
| 111 | MEETING | RB-1 | CPT-7 | PT-3 | PT-3 | PT-3 | SAWP-2 | - | - | |
| 112 | WOMEN'S RESTROOM | MT-1 | T-1 | *T-2/PT-1 | T-2 | *T-2/PT-1 | *T-2/PT-1 | PLAM-1 | SSM-1 | *C |
| 113 | MEN'S RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | T-2 | PLAM-1 | SSM-1 | *C |
| 114 | RECEPTION | RB-1 | CPT-3 | PT-1 | PT-1 | PT-1 | PT-1 | PLAM-1 | PLAM-2 | |
| 115 | WORKSTATIONS | RB-1 | CPT-3 | PT-1 | PT-3 | PT-1 | PT-1 | - | - | |
| 116 | LOBBY | RB-1 | CPT-7 | P-1 | P-1 | P-1 | *PT-1/PT-3/PLAM-3/WC-1 | - | QTZ-1 | *C |
| 117 | MEETING | RB-1 | CPT-7 | PT-3 | PT-3 | PT-3 | PT-3 | - | - | |
| 118 | HALLWAY | RB-1 | CPT-2 | PT-1 | PT-1 | PT-3 | PT-1 | PLAM-1 | PLAM-2 | |
| 119 | EXISTING MECHANICAL | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | - | - | |
| 120 | DATA | RB-1 | CRSL-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 121 | RESPITE | RB-1 | CPT-4 | PT-3 | PT-3 | PT-3 | SAWP-1 | - | - | |
| 122 | MOTHER'S ROOM | RB-1 | CPT-7 | PT-3 | SAWP-2 | PT-3 | PT-3 | PLAM-1 | SSM-1 | |
| 123 | STAFF RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | T-2 | *T-2/PT-1 | | - | *C |
| 124 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 125 | MEETING | RB-1 | CPT-4 | PT-2 | SAWP-1 | PT-2 | PT-2 | - | - | |
| 126 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 127 | MEETING | RB-1 | CPT-4 | PT-2 | PT-2 | SAWP-1 | PT-2 | - | - | |
| 128 | VESTIBULE | RB-1 | CPT-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 129 | MEETING | RB-1 | CPT-4 | PT-3 | PT-3 | PT-3 | SAWP-2 | - | - | |
| 130 | WORKSTATIONS | RB-1 | CPT-3 | PT-2 | PT-2 | - | PT-2 | - | - | |
| 131 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 132 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 133 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 134 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 135 | KITCHENETTE | RB-1 | *RF-1/CPT-2 | **PT-1/T-3 | PT-1 | PT-1 | PT-1 | PLAM-1 | SSM-2 | *B, **C |
| 137 | JANITOR | RB-1 | CRSL-1 | PT-1 | PT-1/*FRP-1 | PT-1/*FRP-1 | PT-1 | - | - | *D |
| 138 | STORAGE | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 139 | INTERNS | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 140 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 141 | WORKSTATIONS | RB-1 | CPT-3 | - | PT-1 | PT-1 | PT-1 | - | - | |
| 142 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 143 | MEETING | RB-1 | CPT-4 | PT-3 | SAWP-1 | PT-3 | PT-3 | - | - | |
| 144 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 145 | MEETING | RB-1 | CPT-4 | PT-3 | SAWP-1 | PT-3 | PT-3 | - | - | |
| 146 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 147 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 148 | HALLWAY | RB-1 | CPT-2 | P-1 | P-1 | P-1 | P-1 | - | - | |
| 149 | WORKSTATIONS | RB-1 | CPT-3 | PT-1 | PT-3 | PT-1 | PT-1 | - | - | |
| 150 | HALLWAY | RB-1 | CPT-2 | PT-1 | PT-1 | *PT-1/PT-3 | PT-1 | - | - | *C |
| 151 | MEETING | RB-1 | CPT-7 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 152 | FAMILY ROOM | RB-1 | CPT-7 | *PT-2/T-3 | PT-3 | PT-2 | PT-2 | PLAM-1 | SSM-1 | *C |
| 153 | FAMILY RESTROOM | MT-1 | T-1 | T-2 | T-2 | T-2 | T-2 | PLAM-1 | SSM-1 | |
| 154 | FAMILY RESTROOM | MT-1 | T-1 | T-2 | T-2 | T-2 | T-2 | PLAM-1 | SSM-1 | |
| 155 | FAMILY ROOM | RB-1 | CPT-7 | *PT-2/T-3 | PT-3 | PT-2 | PT-2 | PLAM-1 | SSM-1 | *C |
| 160 | HALLWAY | RB-1 | CPT-8 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 163 | HALLWAY | RB-1 | CPT-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 186 | EXISTING MECHANICAL | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | - | - | |
| EL-A | ELEVATOR A | - | CPT-1 | PLAM-3 | PLAM-3 | PLAM-3 | PLAM-3 | - | - | |
| EL-B | ELEVATOR B | - | CPT-1 | PLAM-3 | PLAM-3 | PLAM-3 | PLAM-3 | - | - | |
| ST1-1 | STAIR 1 | RB-1 | *CPT-1/RST-1/RF-1 | PT-1 | PT-1 | PT-1 | WC-1 | - | - | *B, RF-1 LANDINGS, PAINT STRINGERS, RAILINGS, AND UNDERSTRUCTURE PT-6 |
| ST2-1 | STAIR 2 | RB-1 | *CPT-1/RST-1/RF-1 | WC-1 | PT-1 | PT-1 | PT-1 | - | - | *B, RF-1 LANDINGS, PAINT STRINGERS, RAILINGS, AND UNDERSTRUCTURE PT-6 |
| ST3-1 | STAIR 3 | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | - | - | |

## ROOM FINISH SCHEDULE - SECOND FLOOR

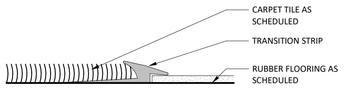
| ROOM NUMBER | ROOM NAME | BASE | FLOOR | WALLS NORTH | WALLS EAST | WALLS SOUTH | WALLS WEST | CASEWORK | COUNTERS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 201 | ELEVATOR LOBBY | RB-1 | CPT-5 | PT-1 | PT-1 | PLAM-3 | PT-1 | - | - | |
| 202 | CORRIDOR | RB-1 | CPT-5 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 203 | WOMENS RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | PLAM-1 | SSM-1 | *C |
| 204 | MENS RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | PLAM-1 | SSM-1 | *C |
| 205 | HSZ MULTI PURPOSE ROOM | RB-1 | CPT-6 | PT-1 | PT-1 | PT-1 | PT-1 | PLAM-1 | - | |
| 206 | HSZ BREAK ROOM | RB-1 | RF-1 | *PT-1/T-3 | PT-1 | PT-1 | PT-1 | PLAM-1 | SSM-2 | *C |
| 207 | SHARED CONFERENCE ROOM | RB-1 | CPT-7 | SAWP-4 | PT-1 | PT-1 | PT-1 | PLAM-1 | - | |
| 208 | SAO LOBBY | RB-1 | CPT-5 | PT-1 | PT-1 | PT-1 | *PT-5/PLAM-3/WC-1 | - | QTZ-1 | *C |
| 209 | RECEPTION | RB-1 | CPT-3 | PT-1 | PT-1 | PT-1 | PT-1 | PLAM-1 | PLAM-2 | |
| 210 | WORKSTATIONS | RB-1 | CPT-3 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 211 | STAGING ROOM | RB-1 | CPT-8 | PT-2 | PT-2 | PT-2 | PT-5 | PLAM-1 | PLAM-2 | |
| 212 | COMPUTER ROOM | RB-1 | CPT-3 | SAWP-3 | PT-5 | PT-5 | PT-5 | | | |
| 213 | MEETING ROOM | RB-1 | CPT-4 | PT-5 | SAWP-1 | PT-5 | PT-5 | - | - | |
| 214 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 215 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 216 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 217 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 218 | WORKSTATIONS | RB-1 | CPT-3 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 219 | MEETING ROOM | RB-1 | CPT-4 | PT-5 | PT-5 | PT-5 | *PT-5/SAWP-3 | - | - | *C |
| 220 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 221 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 222 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 223 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 224 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 225 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 226 | MEETING ROOM | RB-1 | CPT-4 | PT-2 | SAWP-1 | PT-2 | PT-2 | - | - | |
| 227 | HALLWAY | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 228 | HALLWAY | RB-1 | CPT-2 | PT-1 | PT-1/T-3 | PT-1 | PT-1 | PLAM-1 | *PLAM-2/SSM-1 | *C |
| 230 | IT LOBBY | RB-1 | CPT-5 | *PT-1/PT-4/PLAM-3/WC-1 | PT-1 | PT-1 | PT-1 | - | QTZ-1 | *C |
| 231 | WORK ROOM | RB-1 | RF-1 | PT-1 | PT-1 | *PT-1/PLAM-3 | PT-1 | PLAM-1 | PLAM-2 | *C |
| 232 | DATA | RB-1 | CSLR-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 233 | WORKSTATION | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 234 | WORKSTATIONS | RB-1 | CPT-3 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 235 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 236 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 237 | PRINT | RB-1 | RF-1 | PT-1 | PT-1 | PT-1 | PT-1 | PLAM-1 | PLAM-2 | |
| 238 | BREAK ROOM | RB-1 | RF-1 | PT-1 | *PT-1/T-3 | PT-1 | PT-1 | PLAM-1 | SSM-2 | *C |
| 239 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 240 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 241 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 242 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 243 | COLLABORATION | RB-1 | CPT-2 | PT-1 | PT-1 | - | PT-1 | - | - | |
| 244 | HALLWAY | RB-1 | CPT-2 | PT-1 | PT-1 | PT-4 | PT-1 | - | - | |
| 250 | HALLWAY | RB-1 | CPT-5 | PT-1 | PT-1 | PT-1 | *PT-1/T-2 | - | - | *C |
| 260 | CIRCULATION | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 261 | RESTROOM | MT-1 | T-1 | T-2 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | | - | *C |
| 263 | RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | T-2 | *T-2/PT-1 | | - | *C |
| 264 | EXISTING ELEC. | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | - | - | |
| ST1-2 | STAIR 1 | RB-1 | *CPT-5/RST-1/RF-1 | PT-1 | PT-1 | PT-1 | WC-1 | - | - | *B; RF-1 LANDINGS, PAINT STRINGERS, RAILINGS, AND UNDERSTRUCTURE PT-6 |
| ST2-2 | STAIR 2 | RB-1 | *CPT-5/RST-1/RF-1 | WC-1 | PT-1 | PT-1 | PT-1 | - | - | *B; RF-1 LANDINGS, PAINT STRINGERS, RAILINGS, AND UNDERSTRUCTURE PT-6 |

## ROOM FINISH SCHEDULE REMARKS

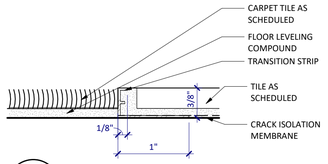
A. PAINT ALL METAL SURFACES AT STAIRS, INCLUDING, BUT NOT LIMITED TO: STRINGERS, RISERS, AND RAILINGS.
B. REFERENCE FINISH PLANS FOR FLOORING TRANSITION LOCATIONS.
C. REFERENCE INTERIOR ELEVATIONS AND FINISH PLANS FOR LOCATION OF FINISHES.
D. WALL PROTECTION TO BE LOCATED 48" ON EITHER SIDE OF FLOOR SINK UP TO 48" ABOVE FINISHED FLOOR.



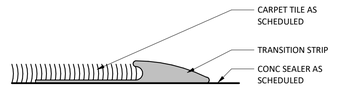

4A / A621 TYPICAL SAWP ELEVATION
SCALE: 1/4" = 1'-0"




3A / A621 CPT TO RUBBER
SCALE: 12" = 1'-0"




2A / A621 CPT TO CER TILE
SCALE: 12" = 1'-0"




1A / A621 CPT TO CONCRETE
SCALE: 12" = 1'-0"

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LICENSED ARCHITECT TRACY JO JORDRE 5/20/2026 (2031) STATE OF NORTH DAKOTA

**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
250105
SHEET
A621
ROOM FINISH SCHEDULE

5/20/2026 2:44:14 PM

## ROOM FINISH SCHEDULE - THIRD FLOOR

| ROOM NUMBER | ROOM NAME | BASE | FLOOR | WALLS NORTH | WALLS EAST | WALLS SOUTH | WALLS WEST | CASEWORK | COUNTERS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 300 | COLLABORATION | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | PLAM-1 | PLAM-2 | |
| 301 | ELEVATOR LOBBY | RB-1 | CPT-5 | PT-1 | PT-1 | *PT-1/PLAM-3 | PT-1 | - | - | *C |
| 302 | CORRIDOR | RB-1 | CPT-5 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 303 | WOMEN'S RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | PLAM-1 | SSM-1 | *C |
| 304 | MEN'S RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | PLAM-1 | SSM-1 | *C |
| 305 | BREAK ROOM | RB-1 | RF-1 | PT-4 | PT-1 | *PT-7/T-3 | PT-1 | PLAM-1 | SSM-2 | *C |
| 306 | MOTHER'S ROOM | RB-1 | CPT-7 | PT-3 | SAWP-2 | PT-3 | PT-3 | PLAM-1 | SSM-1 | |
| 307 | WAR ROOM | RB-1 | CPT-4 | SAWP-1 | PT-2 | PT-2 | PT-2 | - | - | |
| 308 | EXEC. OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 309 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 310 | EXEC. OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 311 | WORKSTATIONS | RB-1 | CPT-3 | - | PT-1 | PT-1 | PT-1 | - | - | |
| 312 | MEETING ROOM | RB-1 | CPT-4 | SAWP-1 | PT-2 | PT-2 | PT-2 | - | - | |
| 313 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 314 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 315 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 316 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 317 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 318 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 319 | DATA | RB-1 | CSLR-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 320 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 321 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 322 | MEETING ROOM | RB-1 | CPT-4 | PT-2 | PT-2 | PT-2 | SAWP-1 | - | - | |
| 323 | WORKSTATIONS | RB-1 | CPT-3 | - | PT-1 | PT-1 | PT-1 | - | - | |
| 324 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 325 | WORKSTATIONS | RB-1 | CPT-3 | - | PT-1 | PT-1 | PT-1 | - | - | |
| 326 | EXEC. OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 327 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 328 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 329 | HALLWAY | RB-1 | *CPT-2/CPT-3 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | *B |
| 330 | MEETING ROOM | RB-1 | CPT-4 | PT-5 | SAWP-3 | PT-5 | PT-3 | - | - | |
| 331 | JAN. | RB-1 | CSLR-1 | PT-1 | PT-1 | PT-1/*FRP-1 | PT-1/*FRP-1 | - | - | *D |
| 332 | STORAGE | RB-1 | CSLR-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 333 | STAFF RESTROOM | MT-1 | T-1 | *T-2/PT-1 | T-2 | *T-2/PT-1 | *T-2/PT-1 | - | - | *C |
| 334 | STAFF RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | T-2 | - | - | *C |
| 335 | COLLABORATION | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | PLAM-1 | PLAM-2 | |
| 336 | HALLWAY | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 337 | HALLWAY | RB-1 | CPT-2 | P-1 | P-1 | P-1 | P-1 | - | - | |
| 338 | HALLWAY | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 339 | EXISTING ELEC. | - | - | - | - | - | - | - | - | |
| 345 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 346 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 347 | EXEC. OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 348 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 349 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 350 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 351 | MEETING ROOM | RB-1 | CPT-4 | PT-5 | SAWP-3 | PT-5 | PT-5 | - | - | |
| 352 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 353 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 354 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 355 | WORKSTATIONS | RB-1 | CPT-3 | PT-1 | PT-1 | - | PT-1 | - | - | |
| 356 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 357 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 358 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 359 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 360 | MEETING ROOM | RB-1 | CPT-4 | PT-5 | SAWP-3 | PT-5 | PT-5 | - | - | |
| 361 | MEETING ROOM | RB-1 | CPT-4 | PT-5 | PT-5 | PT-5 | SAWP-3 | - | - | |
| 362 | COLLABORATION | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-1 | PLAM-1 | PLAM-2 | |
| 363 | HALLWAY | RB-1 | *CPT-2/CPT-3 | P-1 | P-1 | P-1 | P-1 | PLAM-1 | PLAM-2 | *B |
| 364 | HALLWAY | RB-1 | CPT-2 | - | PT-5 | - | PT-1 | PLAM-1 | PLAM-2 | |
| ST1-3 | STAIR 1 | RB-1 | *CPT-5/RST-1/RF-1 | PT-1 | PT-1 | PT-1 | WC-1 | - | - | *B; RF-1 LANDINGS, PAINT STRINGERS, RAILINGS, AND UNDERSTRUCTURE PT-6 |
| ST2-3 | STAIR 2 | RB-1 | *CPT-5/RST-1/RF-1 | WC-1 | PT-1 | PT-1 | PT-1 | - | - | *B; RF-1 LANDINGS, PAINT STRINGERS, RAILINGS, AND UNDERSTRUCTURE PT-6 |

## ROOM FINISH SCHEDULE - FOURTH FLOOR

| ROOM NUMBER | ROOM NAME | BASE | FLOOR | WALLS NORTH | WALLS EAST | WALLS SOUTH | WALLS WEST | CASEWORK | COUNTERS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 401 | ELEVATOR LOBBY | RB-1 | CPT-5 | PT-1 | PT-1 | PLAM-3 | PT-1 | - | - | |
| 402 | CORRIDOR | RB-1 | CPT-5 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 403 | WOMEN'S RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | PLAM-1 | SSM-1 | *C |
| 404 | MEN'S RESTROOM | MT-1 | T-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | *T-2/PT-1 | PLAM-1 | SSM-1 | *C |
| 405 | BREAK ROOM | RB-1 | RF-1 | PT-4 | PT-1 | *PT-7/T-3 | PT-1 | PLAM-1 | SSM-2 | |
| 406 | MOTHER'S ROOM | RB-1 | CPT-7 | PT-3 | SAWP-2 | PT-3 | PT-3 | PLAM-1 | SSM-1 | |
| 407 | RESPITE ROOM | RB-1 | CPT-4 | PT-3 | SAWP-1 | PT-3 | PT-3 | - | - | |
| 408 | WORKSTATIONS | RB-1 | CPT-3 | PT-1 | PT-1 | - | PT-1 | - | - | |
| 409 | WORKSTATIONS | RB-1 | CPT-3 | - | PT-1 | PT-1 | PT-1 | PLAM-1 | PLAM-2 | |
| 410 | MEETING ROOM (FUTURE OFFICE) | RB-1 | CPT-4 | PT-2 | PT-2 | PT-2 | SAWP-1 | - | - | |
| 411 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 412 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 413 | MEETING ROOM (FUTURE OFFICE) | RB-1 | CPT-4 | PT-2 | SAWP-1 | PT-2 | PT-2 | - | - | |
| 414 | DATA | RB-1 | CSLR-1 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 415 | MEETING ROOM | RB-1 | CPT-4 | SAWP-2 | PT-3 | PT-3 | PT-3 | - | - | |
| 416 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 417 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 418 | JAN. | RB-1 | CSLR-1 | PT-1 | PT-1 | PT-1/*FRP-1 | PT-1/*FRP-1 | - | - | *D |
| 419 | MEETING ROOM (FUTURE OFFICE) | RB-1 | CPT-4 | PT-2 | PT-2 | SAWP-1 | PT-2 | - | - | |
| 420 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 422 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 423 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 424 | MEETING ROOM | RB-1 | CPT-4 | PT-3 | PT-3 | SAWP-2 | PT-3 | - | - | |
| 425 | EXEC. OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 426 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 437 | OFFICE | RB-1 | CPT-3 | PT-2 | PT-2 | PT-2 | PT-2 | - | - | |
| 438 | MEETING ROOM | RB-1 | CPT-4 | PT-3 | SAWP-2 | PT-3 | PT-3 | - | - | |
| 439 | WORKSTATIONS | RB-1 | CPT-3 | PT-1 | PT-1 | PT-1 | PT-1 | - | - | |
| 440 | EXISTING MECHANICAL | - | - | - | - | - | - | - | - | |
| 450 | HALLWAY | RB-1 | CPT-2 | PT-1 | PT-1 | *PT-1/PT-3 | PT-1 | - | - | *C |
| 451 | EXISTING ELEC. | - | - | - | - | - | - | - | - | |
| 452 | HALLWAY | RB-1 | CPT-2 | - | PT-3 | PT-1 | PT-1 | PLAM-1 | PLAM-2 | |
| 453 | HALLWAY | RB-1 | CPT-2 | PT-1 | PT-1 | PT-1 | PT-5 | PLAM-1 | PLAM-2 | |
| 454 | HALLWAY | RB-1 | CPT-2 | *PT-1/PT-3 | PT-1 | PT-1 | PT-1 | - | - | *C |
| 480 | CIRCULATION | RB-1 | CPT-2 | PT-1/T-2 | PT-1 | *PT-1/WC-1 | PT-1 | PLAM-1 | PLAM-2 | *C |
| ST1-4 | STAIR 1 | RB-1 | *CPT-5/RST-1/RF-1 | PT-1 | PT-1 | PT-1 | WC-1 | - | - | *B; RF-1 LANDINGS, PAINT STRINGERS, RAILINGS, AND UNDERSTRUCTURE PT-6 |
| ST2-4 | STAIR 2 | RB-1 | *CPT-5/RST-1/RF-1 | WC-1 | PT-1 | PT-1 | PT-1 | - | - | *B; RF-1 LANDINGS, PAINT STRINGERS, RAILINGS, AND UNDERSTRUCTURE PT-6 |

## ROOM FINISH SCHEDULE - COURTHOUSE FOURTH FLOOR

| ROOM NUMBER | ROOM NAME | BASE | FLOOR | WALLS NORTH | WALLS EAST | WALLS SOUTH | WALLS WEST | CASEWORK | COUNTERS | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 401 | EXEC. OFFICE | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | - | - | |
| 408A | RESTROOM | MT-1 | T-1 | *PT-1/T-2 | *PT-1/T-2 | T-2 | T-2 | - | - | *C |
| 408B | JANITOR | RB-1 | CSLR-1 | PT-1 | PT-1 | PT-1/*FRP-1 | PT-1/*FRP-1 | - | - | *D |
| 409 | BREAK ROOM | RB-2 | RF-1 | *PT-9/T-3 | PT-9 | PT-9 | PT-9 | PLAM-1 | SSM-1 | *C |
| 410 | CIRCULATION | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | PLAM-1 | PLAM-2 | *C |
| 413 | LOBBY | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | EXISTING | - | - | |
| 423 | STORAGE | EXISTING | - | - | - | EXISTING | - | - | - | |

## ROOM FINISH SCHEDULE REMARKS

A. PAINT ALL METAL SURFACES AT STAIRS, INCLUDING, BUT NOT LIMITED TO: STRINGERS, RISERS, AND RAILINGS.
B. REFERENCE FINISH PLANS FOR FLOORING TRANSITION LOCATIONS.
C. REFERENCE INTERIOR ELEVATIONS AND FINISH PLANS FOR LOCATION OF FINISHES.
D. WALL PROTECTION TO BE LOCATED 48" ON EITHER SIDE OF FLOOR SINK UP TO 48" ABOVE FINISHED FLOOR.

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LICENSED ARCHITECT
TRACY JO JORDRE
5/20/2026
(2031)
STATE OF NORTH DAKOTA

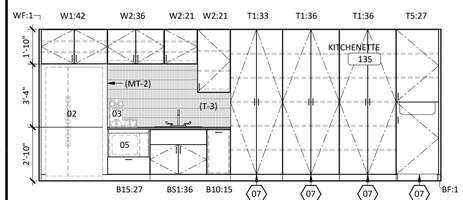
**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

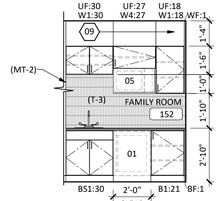
CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
250105
SHEET
A622
ROOM FINISH SCHEDULE

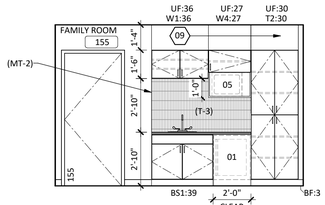
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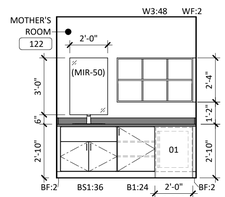

6E A631 BREAK ROOM 135 - N. ELEV.
SCALE: 1/4" = 1'-0"




5E A631 FAMILY ROOM 152 - N. ELEV.
SCALE: 1/4" = 1'-0"



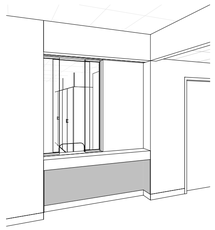

4E A631 FAMILY ROOM 160 - N. ELEV.
SCALE: 1/4" = 1'-0"



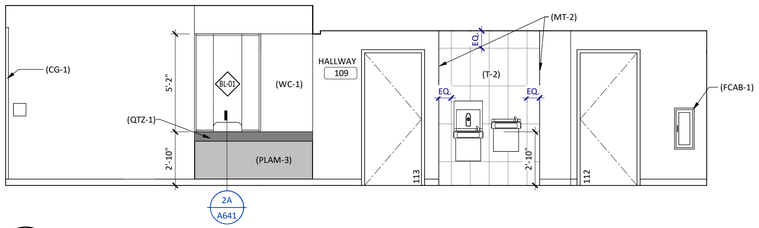

3E A631 MOTHER'S 122 - N. ELEV.
SCALE: 1/4" = 1'-0"



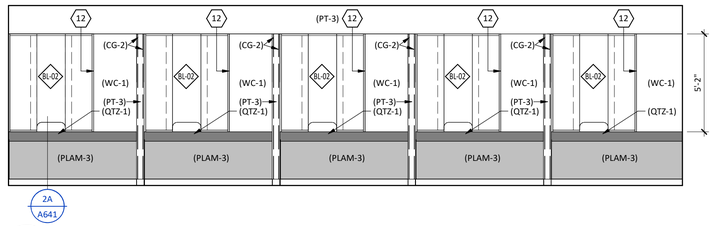
2E A631 ZONE RECEPTION 3D VIEW
SCALE:



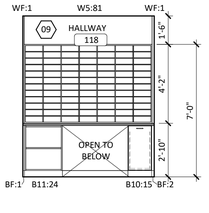
6D A631 HALLWAY 109 3D VIEW
SCALE:



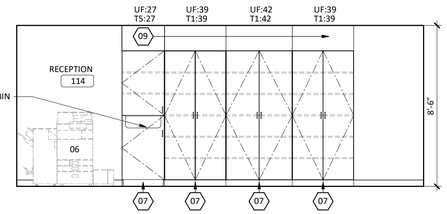

5D A631 HALLWAY 109 - S. ELEV.
SCALE: 1/4" = 1'-0"



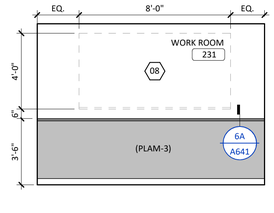

3D A631 LOBBY 114 - W. ELEV.
SCALE: 1/4" = 1'-0"



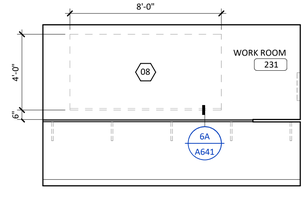

6C A631 HALLWAY 118 - MAIL ELEV.
SCALE: 1/4" = 1'-0"



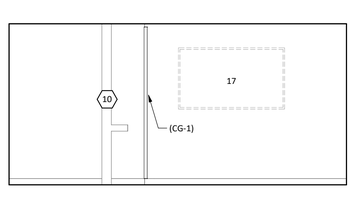

5C A631 RECEPTION 114 - W. ELEV.
SCALE: 1/4" = 1'-0"



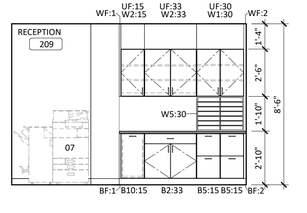

4C A631 WORK ROOM 231 - S. ELEV.
SCALE: 1/4" = 1'-0"



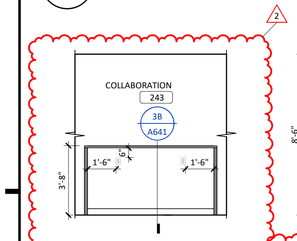

3C A631 WORK ROOM 231 - W. ELEV.
SCALE: 1/4" = 1'-0"



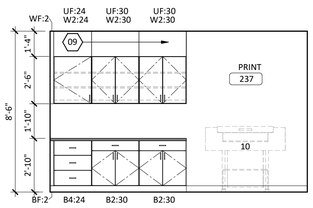

2C A631 STAIR 1 - E. ELEVATION
SCALE: 1/4" = 1'-0"



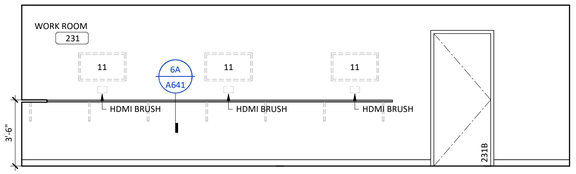

1C A631 WORKSTATION PRINT 209 - W. ELEV.
SCALE: 1/4" = 1'-0"



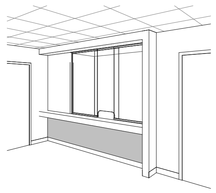

6B A631 IT COLLAB 243 - E. ELEV.
SCALE: 1/4" = 1'-0"



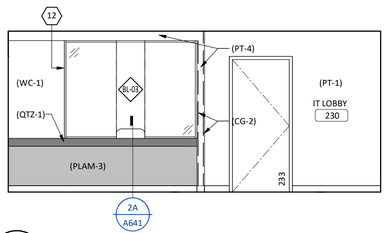

5B A631 PRINT 237 - E. ELEV.
SCALE: 1/4" = 1'-0"



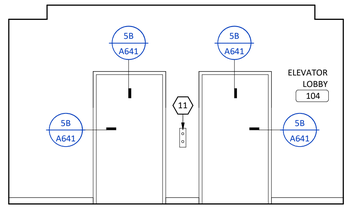

4B A631 WORK ROOM 231 - N. ELEV.
SCALE: 1/4" = 1'-0"



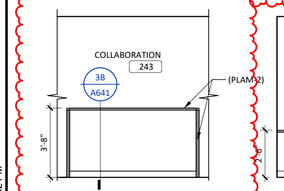
3B A631 IT LOBBY 3D VIEW
SCALE:



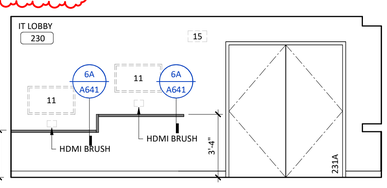

2B A631 IT LOBBY 230 - N. ELEV.
SCALE: 1/4" = 1'-0"



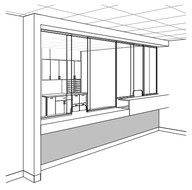

1B A631 ELEVATOR LOBBY 104 - S. ELEV.
SCALE: 1/4" = 1'-0"



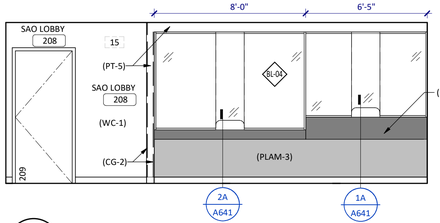

6A A631 IT COLLAB 243 - W. ELEV.
SCALE: 1/4" = 1'-0"



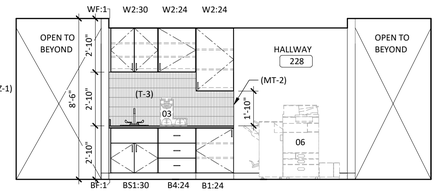

5A A631 IT LOBBY 230 - W. ELEV.
SCALE: 1/4" = 1'-0"



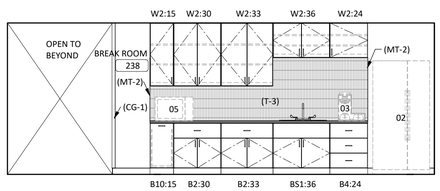
4A A631 SAO LOBBY 3D VIEW
SCALE:




3A A631 SAO LOBBY 208 - W. ELEV.
SCALE: 1/4" = 1'-0"




2A A631 HALLWAY 228 - PRINT ELEVATION
SCALE: 1/4" = 1'-0"




1A A631 BREAK ROOM 238 - E. ELEV.
SCALE: 1/4" = 1'-0"

## GENERAL NOTES - INTERIOR ELEVATIONS

A. REFER TO A620 & A621 FOR STANDARD CASEWORK ELEVATIONS AND CONSTRUCTION.
B. **ALL WALL SURFACES TO BE (PT-1) UNLESS NOTED OTHERWISE.**
C. PROVIDE LEVEL '5' DRYWALL FINISH AT ALL APPLIED GRAPHICS AND WRITABLE WALL SURFACE LOCATIONS.
D. PROVIDE WALL REINFORCEMENT AT ALL WALL MOUNTED ITEMS.
E. ANY EXPOSED CABINET EDGE OR FACE SHALL BE FINISHED TO MATCH ADJACENT CABINET FINISH.
F. PAINT ALL EXPOSED (VISIBLE) DUCTWORK ABOVE THE CEILING LINE OF CLOUDS **(PT-7)**.
G. SEE SHEET G130-G131 FOR ALL TOILET RIM HEIGHTS AND ACCESSORY MOUNTING HEIGHTS.

●— # - EQUIPMENT TAG : REFER TO SPECIALTY EQUIPMENT SCHEDULE ON THIS SHEET FOR SPECIFIC INFORMATION AND PROVIDER

## SHEET SPEC ID LIST

| SPEC ID | SPEC SECTION & DESCRIPTION |
|---|---|
| CG-1 | 10 2600 - CORNER GUARD |
| CG-2 | 10 2600 - CORNER GUARD |
| FCAB-1 | 10 4400 - FIRE EXTINGUISHER CABINET |
| MIR-50 | 10 2800 - MIRROR; ANGLE FRAMED |
| MT-2 | 09 3000 - TILE TRIM |
| PLAM-2 | 06 4100 - PLASTIC LAMINATE FACED CASEWORK |
| PLAM-3 | 10 2600 - DECORATIVE PROTECTION PANEL |
| PT-1 | 09 9123 - PAINT |
| PT-3 | 09 9123 - PAINT |
| PT-4 | 09 9123 - PAINT |
| PT-5 | 09 9123 - PAINT |
| QTZ-1 | 12 3600 - NATURAL QUARTZ AND RESIN COUNTERTOP |
| T-2 | 09 3000 - TILE |
| T-3 | 09 3000 - TILE |
| WC-1 | 09 7200 - WALL COVERINGS |

## KEYNOTES - INTERIOR ELEV.

| NO | NOTE | REV. |
|---|---|---|
| 01 | 12" DIA. S.S. GROMMET CENTERED IN CTOP ABOVE CABINET. | |
| 02 | INSTALL TILE AND METAL TRIM TO 6'-0" A.F.F. ON SIDE/WING WALL. PAINT REMAINDER OF WALL TO MATCH ADJACENT WALLS. | |
| 03 | INSTALL TILE FULL HEIGHT ON SIDE/WING WALL. | |
| 04 | INSTALL (MT-2) METAL TRIM AT OUTSIDE CORNER OF WALL, FULL HEIGHT OF TILE. | |
| 05 | INTEGRAL SOLID SURFACE SINK BOWL BY CTOP PROVIDER, UNDERMOUNT. FAUCET BY M.C. - SEE MECH. | |
| 06 | INSTALL TILE AND METAL TRIM TO 6'-0" A.F.F. ON COLUMN FURRING. PAINT REMAINDER OF SURFACE TO MATCH ADJACENT WALLS. | |
| 07 | CASEWORK DOOR TO OPEN FLUSH WITH FLOORING; NO BASE SUPPORT. | |
| 08 | GLASS BOARDS INCORPORATED WITHIN FURNITURE SCOPE. | |
| 09 | GRAIN PATTERN OF PLAM SHALL RUN VERTICALLY TO MATCH CABINET DOORS. PROVIDE FLUSH SEAMS AS REQUIRED IN PANELS. | |
| 10 | EXISTING STANDPIPE TO REMAIN AND BE PAINTED PT-1. REPEAT AT ALL LOCATIONS. | |
| 11 | GC TO COORDINATE REMOVAL AND REINSTALLATION OF ELEVATOR CALL BUTTONS TO ACCOMODATE NEW SCHEDULE WALL PANELS. RE: FINISH PLAN | |
| 12 | INSTALL WC-1 WRAPPED AROUND CORNER TO TERMINATE AT GLASS | |

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LICENSED ARCHITECT · TRACY JO JORDRE · 5/20/2026 · (2031) · STATE OF NORTH DAKOTA

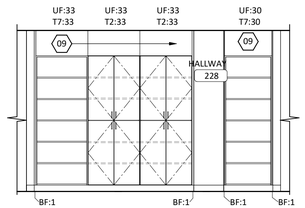
## REVISION SCHEDULE

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDM 01 | 05/13/26 |
| 2 | ADDM 02 | 05/20/26 |

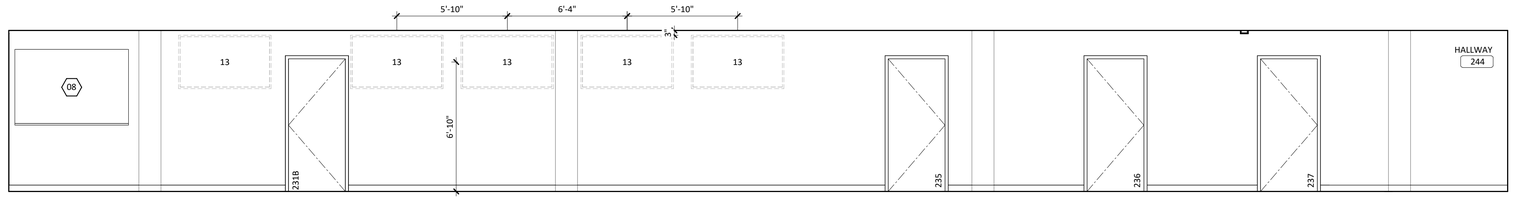
CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
250105
SHEET
A631
INTERIOR ELEVATIONS

5/20/2026 2:44:32 PM




6E A632 HALLWAY 228 - W. ELEV.
SCALE: 1/4" = 1'-0"




5E A632 HALLWAY 244 - S. ELEV.
SCALE: 1/4" = 1'-0"

## GENERAL NOTES - INTERIOR ELEVATIONS

A. REFER TO A620 & A621 FOR STANDARD CASEWORK ELEVATIONS AND CONSTRUCTION.
B. **ALL WALL SURFACES TO BE (PT-1) UNLESS NOTED OTHERWISE.**
C. PROVIDE LEVEL 'S' DRYWALL FINISH AT ALL APPLIED GRAPHICS AND WRITABLE WALL SURFACE LOCATIONS.
D. PROVIDE WALL REINFORCEMENT AT ALL WALL MOUNTED ITEMS.
E. ANY EXPOSED CABINET EDGE OR FACE SHALL BE FINISHED TO MATCH ADJACENT CABINET FINISH.
F. PAINT ALL EXPOSED (VISIBLE) DUCTWORK ABOVE THE CEILING LINE OF CLOUDS **(PT-7)**.
G. SEE SHEET G130-G131 FOR ALL TOILET RIM HEIGHTS AND ACCESSORY MOUNTING HEIGHTS.

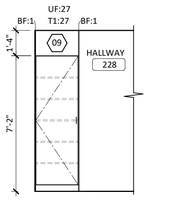
●—# - EQUIPMENT TAG : REFER TO SPECIALTY EQUIPMENT SCHEDULE ON THIS SHEET FOR SPECIFIC INFORMATION AND PROVIDER

## SHEET SPEC ID LIST

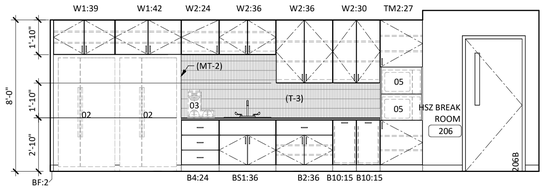
| SPEC ID | SPEC SECTION & DESCRIPTION |
|---|---|
| GLSBD-1 | 10 1100 - GLASS BOARD |
| GLSBD-2 | 10 1100 - GLASS BOARD |
| GLSBD-3 | 10 1100 - GLASS BOARD |
| MIR-50 | 10 2800 - MIRROR, ANGLE FRAMED |
| MT-2 | 09 3000 - TILE TRIM |
| PLAM-2 | 06 4100 - PLASTIC LAMINATE FACED CASEWORK |
| SAWP-1 | 09 8430 - SOUND ABSORBING WALL PANEL |
| T-3 | 09 3000 - TILE |

## KEYNOTES - INTERIOR ELEV.

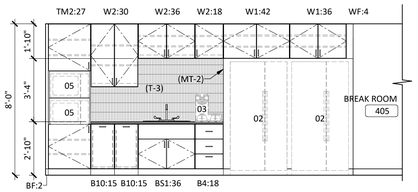
| NO | NOTE | REV. |
|---|---|---|
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| 03 | INSTALL TILE FULL HEIGHT ON SIDE/WING WALL. | |
| 04 | INSTALL (MT-2) METAL TRIM AT OUTSIDE CORNER OF WALL, FULL HEIGHT OF TILE. | |
| 05 | INTEGRAL SOLID SURFACE SINK BOWL BY CTOP PROVIDER, UNDERMOUNT. FAUCET BY M.C. - SEE MECH. | |
| 06 | INSTALL TILE AND METAL TRIM TO 6'-0" A.F.F. ON COLUMN FURRING. PAINT REMAINDER OF SURFACE TO MATCH ADJACENT WALLS. | |
| 07 | CASEWORK DOOR TO OPEN FLUSH WITH FLOORING; NO BASE SUPPORT. | |
| 08 | GLASS BOARDS INCORPORATED WITHIN FURNITURE SCOPE. | |
| 09 | GRAIN PATTERN OF PLAM SHALL RUN VERTICALLY TO MATCH CABINET DOORS. PROVIDE FLUSH SEAMS AS REQUIRED IN PANELS. | |
| 10 | EXISTING STANDPIPE TO REMAIN AND BE PAINTED PT-1. REPEAT AT ALL LOCATIONS. | |
| 11 | GC TO COORDINATE REMOVAL AND REINSTALLATION OF ELEVATOR CALL BUTTONS TO ACCOMODATE NEW SCHEDULE WALL PANELS. RE: FINISH PLAN | |
| 12 | INSTALL WC-1 WRAPPED AROUND CORNER TO TERMINATE AT GLASS | |



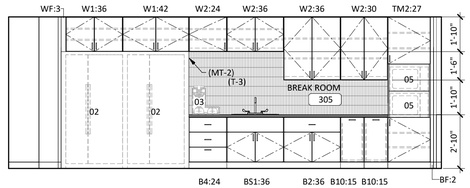

6D A632 HALLWAY 228 - S. ELEV.
SCALE: 1/4" = 1'-0"



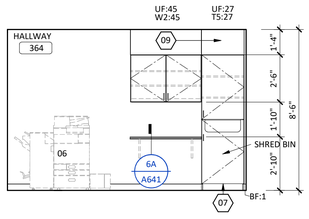

5D A632 HSZ BREAK ROOM 206 - N. ELEV.
SCALE: 1/4" = 1'-0"



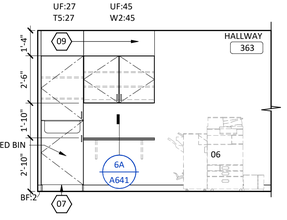

4D A632 BREAK ROOM 405 - S. ELEV.
SCALE: 1/4" = 1'-0"



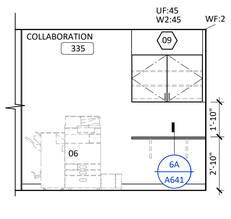

3D A632 BREAK ROOM 305 - S. ELEV.
SCALE: 1/4" = 1'-0"



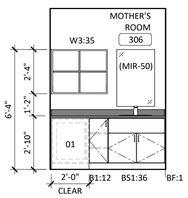

7C A632 HALLWAY 364 - W. ELEV.
SCALE: 1/4" = 1'-0"



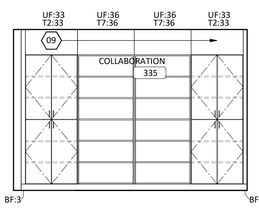

6C A632 HALLWAY 363 - N. ELEV.
SCALE: 1/4" = 1'-0"



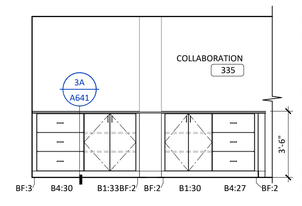

5C A632 COLLAB 335 PRINT - E. ELEV.
SCALE: 1/4" = 1'-0"



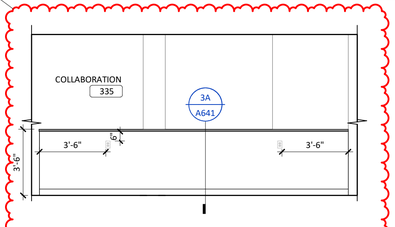

4C A632 MOTHER'S 306 - N. ELEV.
SCALE: 1/4" = 1'-0"



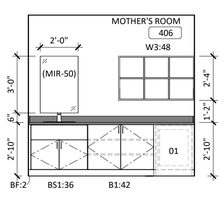

3C A632 COLLABORATION 335 - N. ELEV.
SCALE: 1/4" = 1'-0"



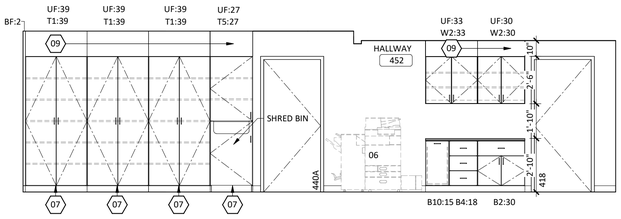

2C A632 COLLABORATION 335 - S. ELEV.
SCALE: 1/4" = 1'-0"



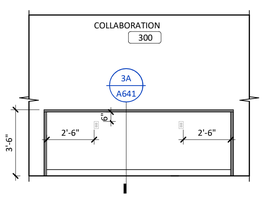

1C A632 COLLABORATION 335 - ISLAND
SCALE: 1/4" = 1'-0"



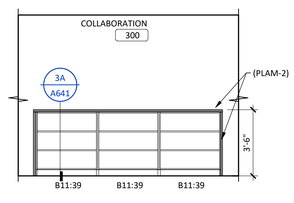

6B A632 MOTHER'S 406 - N. ELEV.
SCALE: 1/4" = 1'-0"



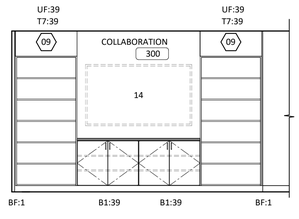

5B A632 HALLWAY 452 - W. ELEV.
SCALE: 1/4" = 1'-0"



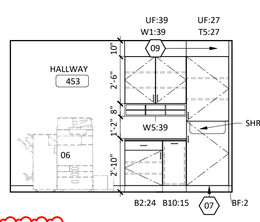

4B A632 COLLABORATION 300 - ISLAND
SCALE: 1/4" = 1'-0"



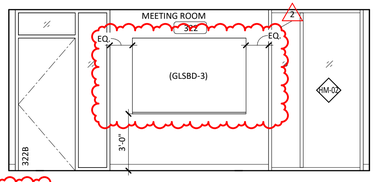

3B A632 COLLABORATION 300 - E. ELEV.
SCALE: 1/4" = 1'-0"



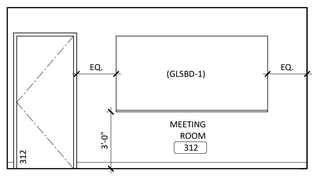

2B A632 COLLABORATION 300 - W. ELEV.
SCALE: 1/4" = 1'-0"



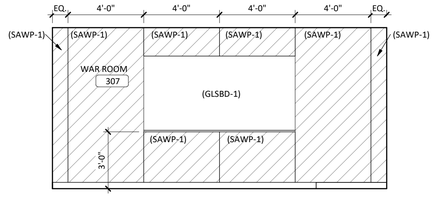

1B A632 HALLWAY 453 - E. ELEV.
SCALE: 1/4" = 1'-0"



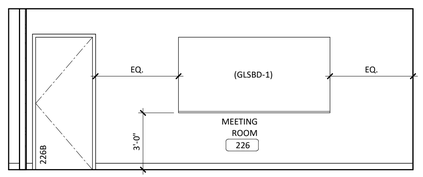

6A A632 MEETING 322 - N. ELEV.
SCALE: 1/4" = 1'-0"



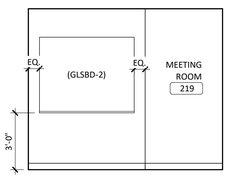

5A A632 MEETING 312 - S. ELEV.
SCALE: 1/4" = 1'-0"



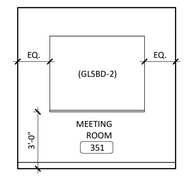

4A A632 WAR ROOM 307 - N. ELEV.
SCALE: 1/4" = 1'-0"




3A A632 MEETING 226 - N. ELEV.
SCALE: 1/4" = 1'-0"




2A A632 MEETING 219 - N. ELEV.
SCALE: 1/4" = 1'-0"




1A A632 MEETING 351 - S. ELEV.
SCALE: 1/4" = 1'-0"

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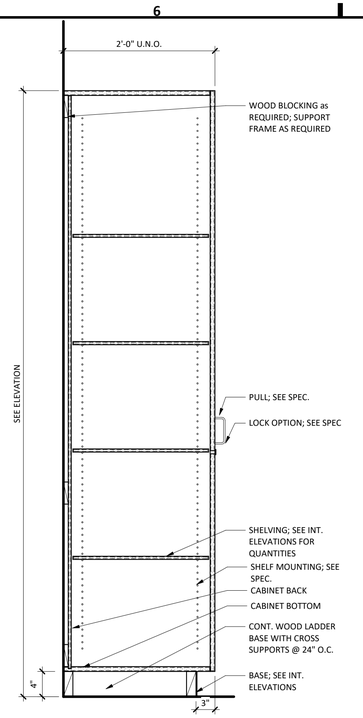
## REVISION SCHEDULE

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDM 01 | 05/13/26 |
| 2 | ADDM 02 | 05/20/26 |

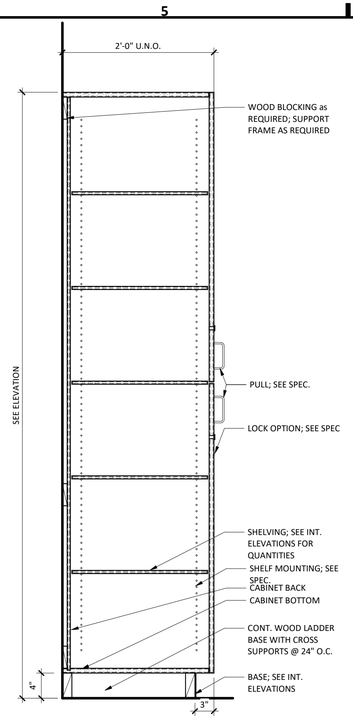
CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
250105
SHEET
A632
INTERIOR ELEVATIONS

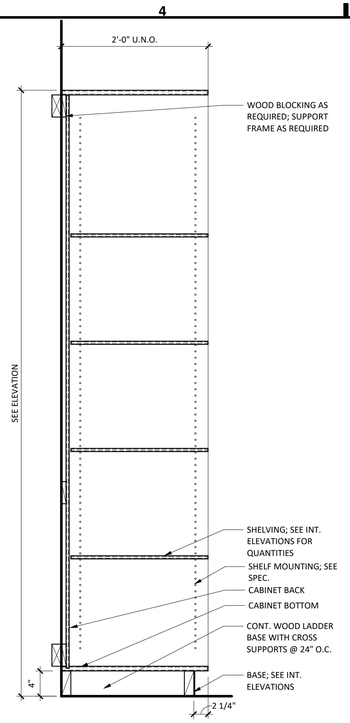
5/20/2026 2:44:43 PM



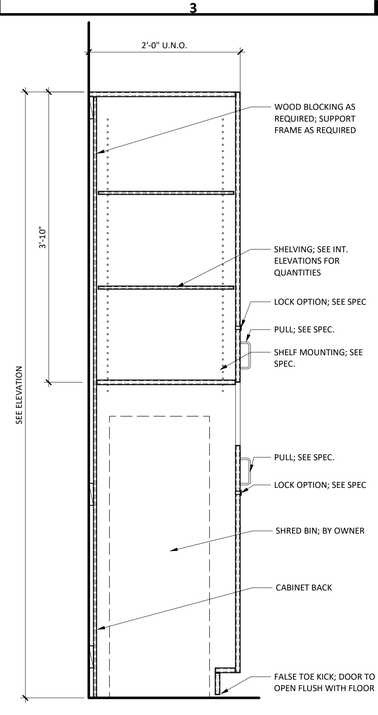

6C A641 T1 - TALL CAB - DOOR(S)
SCALE: 1" = 1'-0"



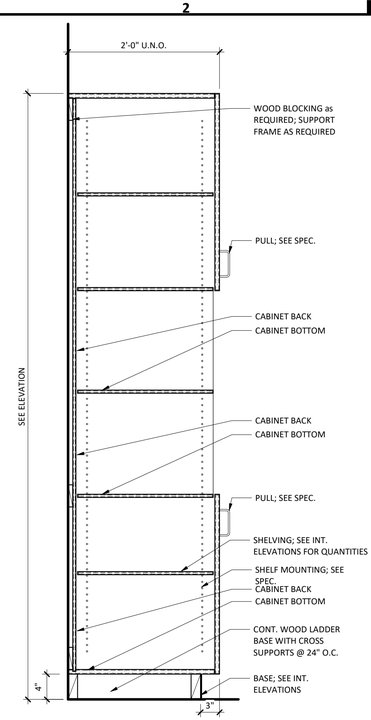

5C A641 T2 - DOUBLE UPPER & BASE
SCALE: 1" = 1'-0"




4C A641 T7 - OPEN SHELVING
SCALE: 1" = 1'-0"

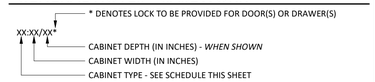



3C A641 T5 - UPPER DOOR LOWER TRASH
SCALE: 1" = 1'-0"




2C A641 TM2 - BASE & UPPER & OPEN SHELVING
SCALE: 1" = 1'-0"

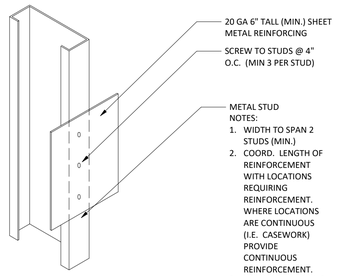
## GENERAL NOTES - CASEWORK



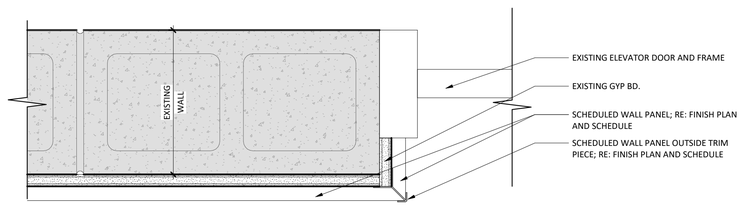

1. CASEWORK & ARCHITECTURAL WOODWORK CONTRACTOR(S) SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS TO PROPERLY DETERMINE CONTRACTUAL RESPONSIBILITIES.
2. FOR ACTUAL ROOM DIMENSIONS REFER TO FLOOR PLANS. CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS BEFORE FABRICATION.
3. OVERALL LENGTH OF TOPS SHALL BE DETERMINED BY CASEWORK DIMENSIONS AS INDICATED ON PLANS. SUCH LENGTHS SHALL REMAIN CONSTANT REGARDLESS OF SUCCESSFUL BIDDER'S STANDARDS.
4. OVERALL HEIGHT OF BASE CABINET TOPS MUST BE MAINTAINED AS SHOWN ON INTERIOR ELEVATIONS.
5. INSTALLATION OF CASEWORK SHALL BEGIN AT THE HIGH POINT OF THE ROOM WITH ANY LEVELERS IN AS FAR AS POSSIBLE.
6. COUNTERTOPS AND SPLASHES SHALL BE SCRIBED TO MATCH IRREGULARITIES AND CONTOURS OF WALLS.
7. CASEWORK SHALL BE INSTALLED ON TOP OF FINISHED VCT, OR WELDED SHEET FLOORING WHERE THESE FLOOR FINISHES ARE SCHEDULED.
8. PROVIDE FINISHED BACK & END PANELS TO COMPLETE THE ENCLOSURE OF ALL CABINETRY TO WALLS AND ADJACENT CABINETRY.
9. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. PROVIDE EQUAL SIZED FILLERS AT WALLS WHERE CONTINUOUS RUN OF CASEWORK ABUTS TWO WALLS.
11. PROVIDE BRACKET(S) AT ANY COUNTER OR SHELF SPANNING MORE THAN 4'-0" UNSUPPORTED.
12. DOORS IN TALL CABINETS (*TYPE 'I' CABINETS*) SHALL BE 3/4" THICK.
13. SEE INTERIOR ELEVATIONS FOR LOCKING CONFIGURATIONS AND LOCATIONS.
14. SEE INTERIOR ELEVATIONS FOR ALL FINISHES.
15. PROVIDE GROMMET HOLES AT ALL COUNTERTOPS WITH KNEE SPACE. LOCATE GROMMETED OPENINGS IN FIELD (COORDINATE WITH MISC. EQUIPMENT) AT 4'-0" O.C. MAX, AND 1 PER COUNTER MIN.
16. BASE FINISH AT CABINETS SHALL BE RESILIENT BASE, U.N.O.
17. INTERIOR FINISH AT OPEN CABINETS WITHOUT DOORS SHALL MATCH THE COLOR, MATERIAL AND FINISH OF ADJACENT CABINET EXTERIORS, U.N.O.
18. CONCEALED CABINET BACKS, DRAWER BODY, AND DRAWER BOTTOMS: 1/2" THICKNESS.
19. DOOR AND DRAWER FACE, WALL AND TALL CABINET TOP AND BOTTOMS, CABINET SIDES, DRAWER SPREADERS, CABINET BACK REAR HANGSTRIPS, STRUCTURAL DIVIDERS, EXPOSED CABINET BACKS, AND SHELVES OF LESS THAN 30 INCH SPACE: 3/4" THICKNESS.
20. SHELVES OVER 30 INCH SPAN AND LIBRARY STACK SHELVING: 1" THICKNESS.

## SHEET SPEC ID LIST

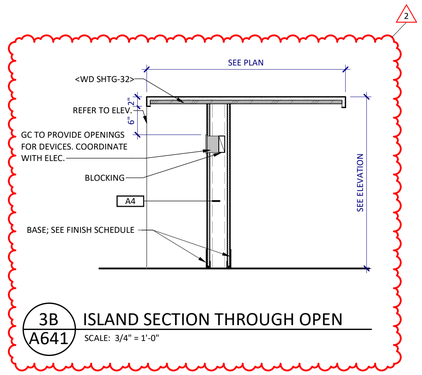
| SPEC ID | SPEC SECTION & DESCRIPTION |
|---|---|
| GYP BD-1 | 09 2116 - 5/8" TYPE X GYPSUM BOARD |
| MET STUD-2 | 09 2116 - NON-LOADBEARING METAL STUDS, 20 GA. |
| SEALANT-1 | 07 9200 - JOINT SEALANT OR CAULKING WITH OR WITHOUT BACKER ROD |
| WD BLKG | 06 1000 - WOOD BLOCKING |
| WD SHTG-32 | 06 1000 - 3/4" SHEATHING |



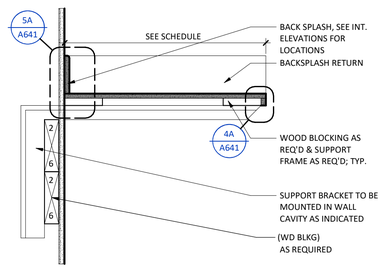

6B A641 WALL REINFORCEMENT
SCALE: 3" = 1'-0"



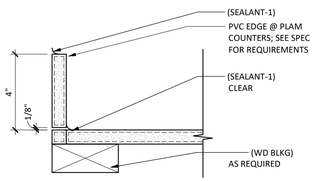

5B A641 TYP. WALL PANEL DETAIL AT ELEVATORS
SCALE: 3" = 1'-0"



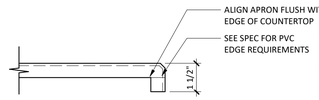

3B A641 ISLAND SECTION THROUGH OPEN
SCALE: 3/4" = 1'-0"



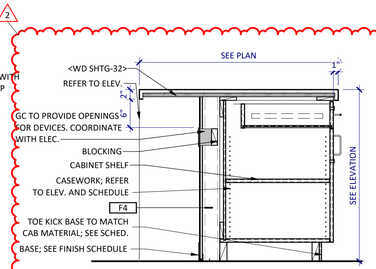

6A A641 COUNTERTOP DETAIL
SCALE: 1 1/2" = 1'-0"



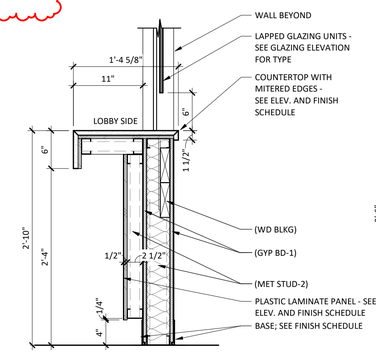

5A A641 COUNTERTOP BACKSPLASH SCRIBE
SCALE: 3" = 1'-0"



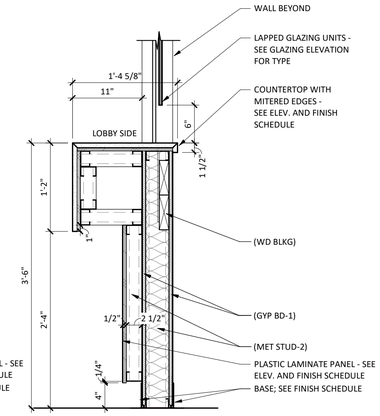

4A A641 COUNTERTOP EDGE
SCALE: 3" = 1'-0"




3A A641 ISLAND SECTION THROUGH CASEWORK
SCALE: 3/4" = 1'-0"




2A A641 TRANSACTION COUNTER - LOW
SCALE: 1" = 1'-0"




1A A641 TRANSACTION COUNTER - HIGH
SCALE: 1" = 1'-0"

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LICENSED ARCHITECT
TRACY JO JORDRE
5/20/2026
(2031)
STATE OF NORTH DAKOTA

## REVISION SCHEDULE

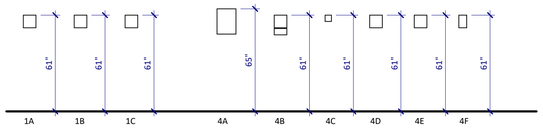
| NO. | DESCRIPTION | DATE |
|---|---|---|
| 1 | ADDM 01 | 05/13/26 |
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2ND AVE S., FARGO, ND 58103

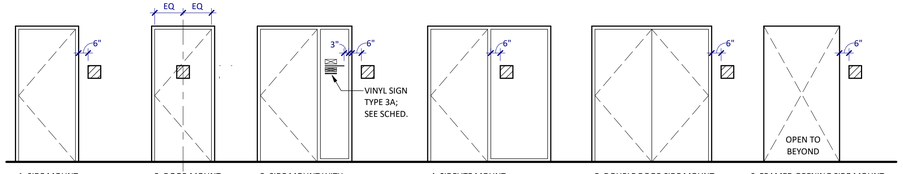
DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
250105
SHEET
A641
CASEWORK SCHEDULE

5/20/2026 2:44:48 PM

## TYPICAL SIGNAGE MOUNTING HEIGHTS, U.N.O.

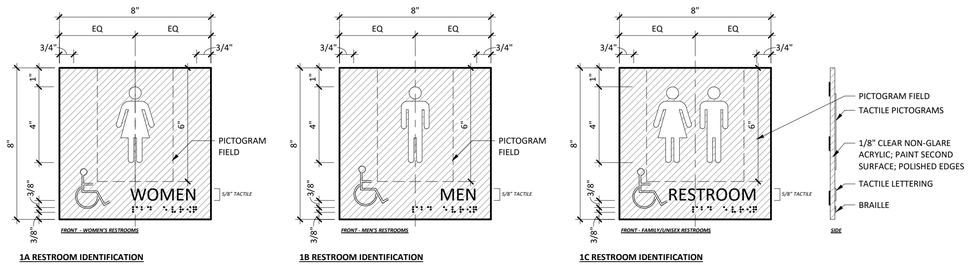



## TYPICAL SIGNAGE LOCATIONS, U.N.O.

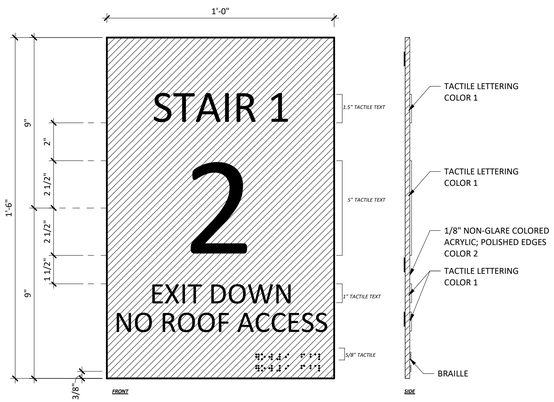



## SIGNAGE SCHEDULE

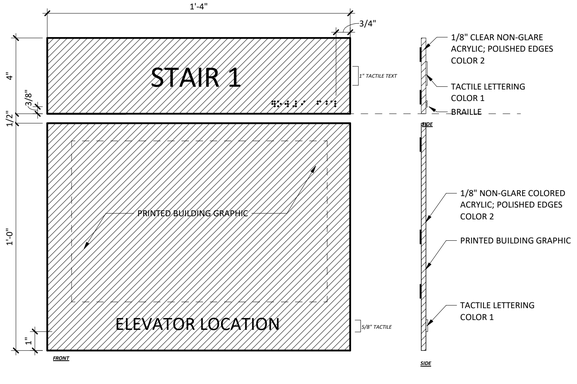
## ROOM SIGNAGE - '1' SERIES



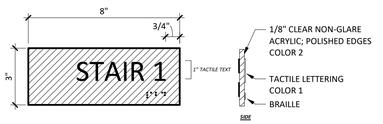

## CODE REQUIRED SIGNAGE - '4' SERIES



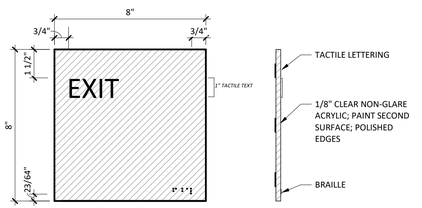

4A - STAIRWELL FIRE CODE SIGN



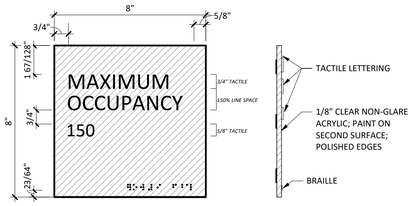

4B - STAIR IDENTIFICATION SIGNS



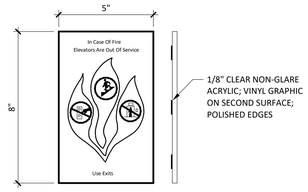

4C - STAIR LEVEL ID SIGN




4D - EXIT IDENTIFICATION SIGNS




4E - MAXIMUM OCCUPANCY




4F - IN CASE OF FIRE

## SIGNAGE SCHEDULE

| ROOM NO. | ROOM NAME | TYPE | REMARKS |
|---|---|---|---|
| (ANNEX) 1st FLOOR | | | |
| 104 | ELEVATOR LOBBY | 1F | |
| ST1-1 | STAIR 1 | 4A | |
| ST1-1 | STAIR 1 | 4C | |
| ST2-1 | STAIR 2 | 4B | |
| ST2-1 | STAIR 2 | 4C | |
| ST2-1 | STAIR 2 | 4D | |
| 112 | WOMEN'S RESTROOM | 1A | |
| 113 | MEN'S RESTROOM | IB | |
| 116 | LOBBY | 4E | 2 |
| 123 | STAFF RESTROOM | 1C | |
| 153 | FAMILY RESTROOM | 1C | |
| 154 | FAMILY RESTROOM | 1C | |
| ST1-1 | STAIR 1 | 4B | |
| ST1-1 | STAIR 1 | 4B | |
| ST2-1 | STAIR 2 | 4B | |
| (ANNEX) 2nd FLOOR | | | |
| 201 | ELEVATOR LOBBY | 4F | |
| ST1-2 | STAIR 1 | 4A | |
| ST1-2 | STAIR 1 | 4C | |
| ST2-2 | STAIR 2 | 4B | |
| ST2-2 | STAIR 2 | 4C | |
| 203 | WOMENS RESTROOM | 1A | |
| 204 | MENS RESTROOM | IB | |
| 250 | HALLWAY | 4E | |
| 250 | HALLWAY | 4E | |
| 261 | RESTROOM | 1C | |
| 263 | RESTROOM | 1C | |
| ST1-2 | STAIR 1 | 4B | |
| ST1-2 | STAIR 1 | 4B | |
| ST2-2 | STAIR 2 | 4B | |
| (ANNEX) 3rd FLOOR | | | |
| 301 | ELEVATOR LOBBY | 4F | |
| ST1-3 | STAIR 1 | 4A | |
| ST1-3 | STAIR 1 | 4C | |
| ST2-3 | STAIR 2 | 4B | |
| ST2-3 | STAIR 2 | 4C | |
| 303 | WOMEN'S RESTROOM | 1A | |
| 304 | MEN'S RESTROOM | IB | |
| 333 | STAFF RESTROOM | 1C | |
| 334 | STAFF RESTROOM | 1C | |
| ST1-3 | STAIR 1 | 4B | |
| ST1-3 | STAIR 1 | 4B | |
| ST2-3 | STAIR 2 | 4B | |
| (ANNEX) 4th FLOOR | | | |
| 401 | ELEVATOR LOBBY | 4F | |
| ST1-4 | STAIR 1 | 4A | |
| ST1-4 | STAIR 1 | 4C | |
| ST2-4 | STAIR 2 | 4B | |
| 403 | WOMEN'S RESTROOM | 1A | |
| 404 | MEN'S RESTROOM | IB | |
| ST2-4 | STAIR 2 | 4C | |
| ST1-4 | STAIR 1 | 4B | |
| ST1-4 | STAIR 1 | 4B | |
| ST2-4 | STAIR 2 | 4B | |
| 02 WEST COURTHOUSE TRUSS BEARING | | | |
| 408A | RESTROOM | 1F | |

## SIGNAGE GENERAL NOTES

- COLOR TO BE SELECTED DURING SHOP DRAWINGS

1. ALL FONT AND PICTOGRAMS TO BE SELECTED DURING SHOP DRAWINGS UNLESS NOTED OTHERWISE.
2. FONT DISPLAYED IN SIGNAGE TYPES IS FOR REFERENCE ONLY; ALL LETTERING TO BE VERIFIED PRIOR TO PRODUCTION OF SIGNAGE.
3. ALL FONT TO BE ARIAL FONT FACE UNLESS NOTED OTHERWISE.
4. CONTRACTOR TO PROVIDE FIRE TREATED BLOCKING IN WALLS AND CEILINGS AS REQUIRED FOR MOUNTING OF SIGNAGE.
5. ACRYLIC SIGNAGE TO BE SURFACE MOUNTED WITH GRAY VHB TAPE AS REQUIRED UNLESS NOTED OTHERWISE.
6. VISUAL CHARACTERS SHALL BE UPPERCASE, LOWER CASE, OR A COMBINATION OF BOTH.
7. VISUAL CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OTHER UNUSUAL FORMS.
8. FOR VISUAL CHARACTERS THE UPPERCASE LETTER 'I' SHALL BE USED TO DETERMINE THE ALLOWABLE HEIGHT OF ALL CHARACTERS OF A FONT. THE UPPERCASE LETTER 'I' OF THE FONT SHALL HAVE A THE FOLLOWING MINIMUMS RELATIVE TO HORIZONTAL VIEWING DISTANCE (HVD) AND VERTICAL MOUNTING HEIGHT (VMH):
   -VMH 40-70" + HVD<6'-0" = 5/8" + 1/8" PER FOOT OF HVD ABOVE 6'-0".
   -VMH 70-120" + HVD<15'-0" = 2" + 1/8" PER FOOT OF HVD ABOVE 15'-0".
   -VMH >120" + HVD<21'-0" = 3" + 1/8" PER FOOT OF HVD ABOVE 21'-0".
   -FOR ASSEMBLY SEATING WHERE THE MAXIMUM VIEWING DISTANCE IS 100'-0" OR GREATER, THE HEIGHT OF THE UPPERCASE 'I' OF FONTS SHALL BE PERMITTED TO BE 1 INCH FOR EVERY 30'-0" OF VIEWING DISTANCE PROVIDED THE HEIGHT IS 8 INCHES MINIMUM. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND WHERE SOMEONE IS EXPECTED TO VIEW THE SIGN.
9. FOR VISUAL CHARACTERS THE UPPERCASE LETTER 'O' SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF AL CHARACTERS OF A FONT. THE WIDTH OF THE UPPERCASE LETTER 'O' OF THE FONT SHALL BE 55% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE 'I' OF THE FONT.
10. FOR VISUAL CHARACTERS THE UPPERCASE LETTER 'I' SHALL BE USED TO DETERMINE THE ALLOWABLE STROKE WIDTH OF ALL CHARACTERS OF A FONT. THE STROKE WIDTH SHALL BE 10% MINIMUM AND 30% MAXIMUM OF THE HEIGHT OF THE UPPERCASE 'I' OF THE FONT.
11. SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10% MINIMUM AND 35% MAXIMUM OF THE CHARACTER HEIGHT.
12. FOR VISUAL CHARACTERS, SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135% MINIMUM AND 170% MAXIMUM OF THE CHARACTER HEIGHT.
13. VISUAL CHARACTERS SHALL BE 40" MINIMUM ABOVE THE FLOOR OF THE VIEWING POSITION MEASURED TO THE BASELINE OF THE CHARACTER.
14. VISUAL CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND.
15. FOR RAISED CHARACTERS THE UPPERCASE LETTER I SHALL BE USED TO DETERMINE THE ALLOWABLE HEIGHT OF ALL CHARACTERS OF A FONT. THE HEIGHT OF THE UPPERCASE LETTER 'I' OF THE FONT, MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" MINIMUM AND 2" MAXIMUM.
16. FOR RAISED CHARACTERS THE UPPERCASE LETTER 'O' SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF ALL CHARACTERS IN A FONT. THE WIDTH OF THE UPPERCASE LETTER 'O' OF THE FONT SHALL BE 55% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE 'I' IN THE FONT.
17. FOR RAISED CHARACTERS THE UPPERCASE LETTER 'I' OF THE FONT SHALL BE USED TO DETERMINE THE ALLOWABLE STROKE WIDTH OF ALL CHARACTERS OF A FONT. THE STROKE WIDTH SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER 'I' MEASURED AT THE TOP SURFACE OF THE CHARACTER, AND 30% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER 'I' MEASURED AT THE BASE OF THE CHARACTER. WHEN CHARACTERS ARE BOTH VISUAL AND RAISED, THE STROKE WIDTH SHALL BE 10% MINIMUM OF THE HEIGHT OF THE UPPERCASE LETTER 'I'.
18. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MINIMUM MEASURED AT THE TOP SURFACE OF THE CHARACTERS, 1/16" MINIMUM MEASURED AT THE BASE OF THE CHARACTER, AND FOUR TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" MINIMUM.
19. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% MINIMUM AND 170% PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.
20. RAISED CHARACTERS/BRAILLE SHALL BE 48" MINIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST RAISED CHARACTER/BRAILLE AND 60" MAXIMUM ABOVE THE FLOOR MEASURED TO THE BASELINE OF THE HIGHEST RAISED CHARACTER.
21. WHERE A SIGN CONTAINING RAISED CHARACTERS AND BRAILLE IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A SIGN CONTAINING RAISED CHARACTERS AND BRAILLE IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A SIGN CONTAINING RAISED CHARACTERS AND BRAILLE IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR. WHERE THERE NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING RAISED CHARACTERS AND BRAILLE SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18"X18" MINIMUM, CENTERED ON THE RAISED CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE POSITION.
22. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND.
23. BRAILLE SHALL BE CONTRACTED (GRADE II) BRAILLE.
24. FOR BRAILLE THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS OR ACRONYMS.
25. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE.
26. BRAILLE SHALL BE BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI LINED, BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8" MINIMUM FROM ANY OTHER RAISED CHARACTERS AND 3/8" MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS. BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/16" MINIMUM EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.
27. PICTOGRAMS SHALL HAVE A FIELD 6" MINIMUM IN HEIGHT. CHARACTERS OR BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.
28. PICTOGRAMS AND THEIR FIELDS SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELDS, WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD.


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LICENSED ARCHITECT
TRACY JO JORDRE
5/20/2026
(2031)
STATE OF NORTH DAKOTA

**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM 02 | 05/20/26 |

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2ND AVE S., FARGO, ND 58103

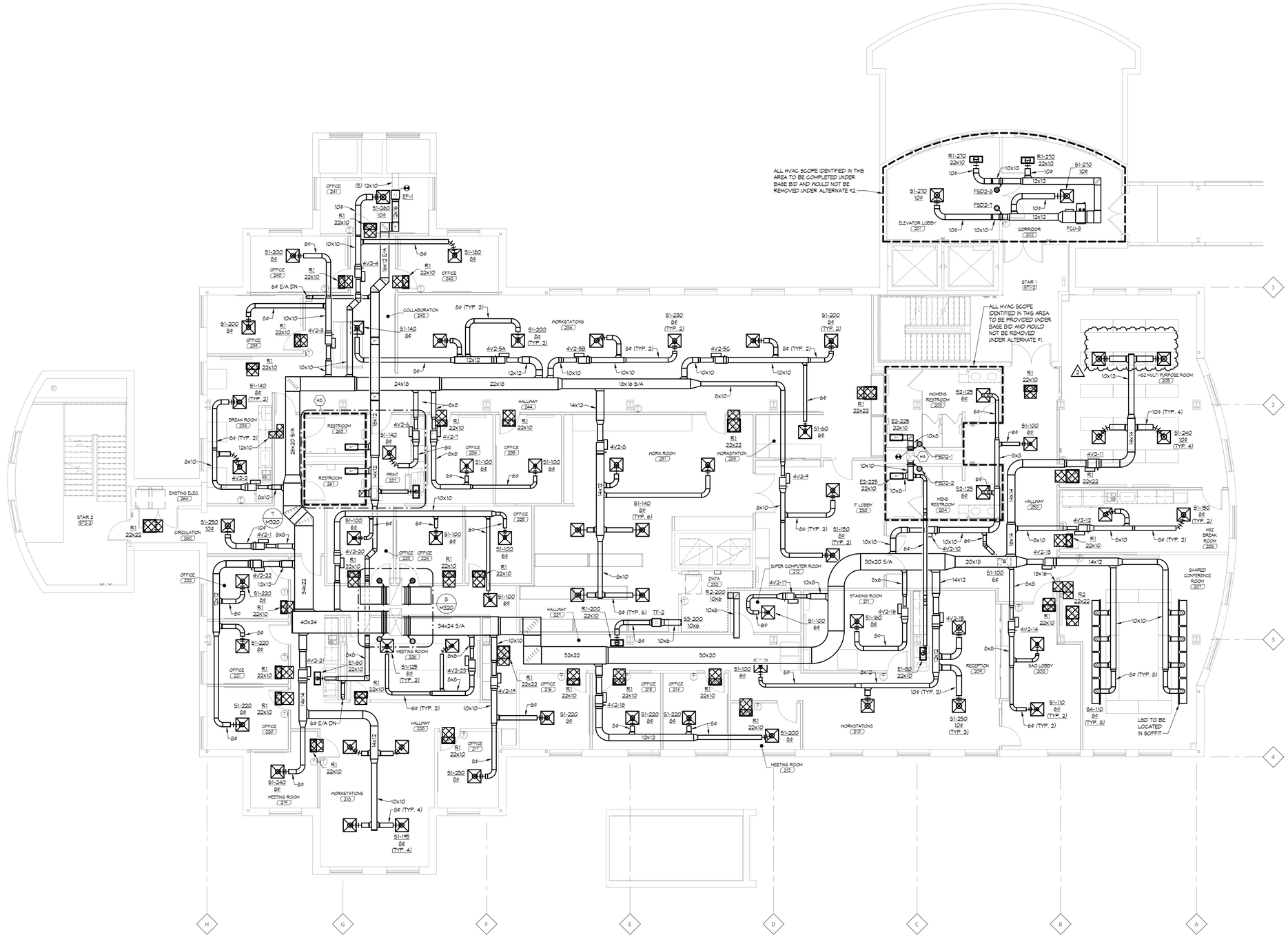
DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
250105
SHEET
**A650**
SIGNAGE ELEVATIONS & DETAILS

5/20/2026 2:44:51 PM

## SHEET NOTES

H4 12x14 E/A DOWN & EXISTING 14X14 E/A UP

H5 REPLACEMENT OF AIR TERMINALS IDENTIFIED IN THIS AREA TO BE PROVIDED UNDER BASE BID AND WOULD BE REMOVED UNDER ALTERNATE #1.




1 LEVEL 2 - HVAC

SCALE: 1/8" = 1'-0"

NORTH

5/20/2026 11:01:38 AM


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| REVISION SCHEDULE | | |
|---|---|---|
| NO. | DESCRIPTION | DATE |
| 2 | ADD2 | 05.20.26 |

REGISTERED PROFESSIONAL ENGINEER
CODY D. ELLINGSON
PE - 7116
DATE 05/20/26
NORTH DAKOTA

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2nd AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
2025217

SHEET
# M302

SECOND FLOOR PLAN - HVAC

## DIFFUSER, REGISTER AND GRILLE SCHEDULE

| UNIT NO. | MANUFACTURER & MODEL NO. | TYPE | FRAME STYLE | NC | MOUNTING | AIR | NOTES |
|---|---|---|---|---|---|---|---|
| S1 | PRICE SPD | SPD | 31 | <20 | LIT | SA | 1 |
| S2 | PRICE SPD | SPD | 3 | <20 | SUR | SA | 1 |
| S3 | PRICE 520 | GR | F | <20 | DUCT/SUR | SA | 1 |
| S4 | PRICE SDS75 | LSD | TYPE 15 | <20 | LIT | SA | 1,3,5 |
| S4 | PRICE SDS100 | LSD | TYPE 15 | <20 | LIT | SA | 1,4,5 |
| | | | | | | | |
| R1 | PRICE 80 | EGG | F | <20 | LIT | RA | 1 |
| R2 | PRICE 530 | GR | F | <20 | SUR | RA | 1, 2 |
| | | | | | | | |
| E1 | PRICE 80 | EGG | F | <20 | LIT | EA | 1 |
| E2 | PRICE 530 | GR | F | <20 | SUR | EA | 1, 2 |
| | | | | | | | |

SPD SQUARE PLAQUE DIFFUSER
REG REGISTER
EGG EGG CRATE GRILLE
GR GRILLE
RGD ROUND GONDE DIFFUSER
SGD SQUARE GONE DIFFUSER
LIT LAY-IN TILE
SUR SURFACE
SA SUPPLY AIR
RA RETURN AIR
EA EXHAUST AIR

NOTES:
1. 51-200 '51' INDICATES UNIT NO. ON SCHEDULE
   8@ '200' INDICATES AIR QUANTITY IN 'CFM'
   TYP(2) '8@' INDICATES NECK/DIGT SIZE
   'TYP (2)' INDICATES QUANTITY OF SIMILAR UNITS IN THE SAME ROOM OR GENERAL AREA
2. PROVIDE WITH OPPOSED BLADE DAMPER.
3. 2-SLOT, X-X MITRED END CONDITION.
4. 4-SLOT, X-X MITRED END CONDITION.
5. PROVIDE WITH SBD PLENUM.

## RADIANT PANEL SCHEDULE

| UNIT NO. | MANUFACTURER & MODEL NO. | TYPE | FLUID | PANEL WIDTH (IN) | PANEL LENGTH (IN) | HEATING BTU/ PANEL | EAT °F | LAT °F | GPM | FINISH | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RP1-1 | SIGMA SLC | EA | EG | 18 | 48 | 768 | 180 | 170 | 0.5 | SM | ALL |
| RP1-2 | SIGMA SLC | EA | EG | 18 | 48 | 768 | 180 | 170 | 0.5 | SM | ALL |
| | | | | | | | | | | | |

EG WATER W/ 35% ETHYLENE GLYCOL
EA EXTRUDED ALUMINUM
FM FORMED METAL
SM SMOOTH
V V-GROOVE
F FLUTED
SC SILK SCREENED TO MATCH TILE

NOTES:
1. RADIANT CEILING PANEL LENGTH SHALL BE FIELD VERIFIED PRIOR TO ORDERING.
2. PANEL COLOR TO BE SELECTED BY ARCHITECT FROM STANDARD COLORS.
3. BTU/PANEL BASED ON 384 BTU PER LINEAL FOOT OF PANEL.
4. PROVIDE FRAME FOR MOUNTING IN GYP CEILING

## LOUVER SCHEDULE

| UNIT NO. | MANUFACTURER & MODEL NO. | WIDTH | HEIGHT | FRAME TYPE | DEPTH | CFM | FREE AREA | PD | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| LVR-3 | GREENHECK ESD-635 | 60" | 24" | CH | 6" | 2,388 | 48% | 0.05 | ALL |
| | | | | | | | | | |

PD PRESSURE DROP, IN.W.G.
CH CHANNEL
F FLANGE

NOTES:
1.

## AIR HANDLING UNIT COIL SCHEDULE

| UNIT NO. | COIL TYPE | UNIT SERVED | CFM | MAX FV | MAX APD | EAT DB | EAT WB | LAT DB | LAT WB | SENS MBH | TOTAL MBH | FLUID | EAT | LAT | GPM | NO. OF COILS | MAX WPD | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC-2 | CHW | (E) AC-2 | 7,120 | 425 | 0.69 | 79.5 | 66.0 | 55.0 | 54.5 | 115.4 | 245.6 | EG | 42 | 54 | 41.8 | 1 | 9.8 | |
| CC-3 | CHW | (E) AC-3 | 4,100 | 425 | 0.62 | 79.5 | 66.0 | 55.0 | 54.5 | 66.4 | 144.2 | EG | 42 | 54 | 24.0 | 1 | 6.9 | |
| CC-4 | CHW | AHU-4 | 11,650 | 475 | 0.59 | 76.4 | 63.2 | 51.5 | 51.4 | 318.7 | 394.4 | EG | 42 | 54 | 77.2 | 1 | 13.9 | 1,2 |
| CC-5 | CHW | AHU-5 | 11,870 | 475 | 0.62 | 76.4 | 63.2 | 51.5 | 51.1 | 324.7 | 410.4 | EG | 42 | 54 | 80.3 | 1 | 15.0 | 1,2 |
| CC-6 | CHW | AHU-6 | 9,430 | 475 | 0.46 | 76.4 | 63.2 | 51.5 | 51.4 | 258.0 | 326.9 | EG | 42 | 54 | 63.9 | 1 | 9.2 | 1,2 |
| | | | | | | | | | | | | | | | | | | |
| HC-2 | HW | (E) AC-2 | 1,165 | 890 | 1.01 | 47.6 | -- | 90.0 | -- | -- | 314.1 | EG | 180 | 140 | 15.7 | 1 | 1.1 | |
| HC-3 | HW | (E) AC-3 | 4,100 | 655 | 0.60 | 47.6 | -- | 90.0 | -- | -- | 180.9 | EG | 180 | 140 | 9.0 | 1 | 0.7 | |
| HC-4 | HW | AHU-4 | 11,650 | 475 | 0.10 | 45.0 | -- | 77.7 | -- | -- | 413.3 | EG | 180 | 140 | 22.9 | 2 | 3.0 | 1,2 |
| HC-5 | HW | AHU-5 | 11,870 | 475 | 0.10 | 45.0 | -- | 77.7 | -- | -- | 421.1 | EG | 180 | 140 | 23.3 | 2 | 3.0 | 1,2 |
| HC-6 | HW | AHU-6 | 9,430 | 475 | 0.10 | 45.0 | -- | 77.7 | -- | -- | 334.5 | EG | 180 | 140 | 18.5 | 1 | 3.0 | 1,2 |
| | | | | | | | | | | | | | | | | | | |

CHW CHILLED WATER
HW HOT WATER
WPD WATER PRESSURE DROP, FT.
APD AIR PRESSURE DROP, IN
FV FACE VELOCITY
EG WATER W/ 35% ETHYLENE GLYCOL

NOTES:
1. CONTRACTOR TO FIELD VERIFY COIL LH/RH ORIENTATION PRIOR TO ORDERING.
2. COILS TO BE PROVIDED AS PART OF DEDUCT #7.

## FAN SCHEDULE

| UNIT NO. | MODEL NO. | TYPE | CFM | ESP (IN WG) | ELECTRICAL HP | BHP | VOLT | PH | CTRL | ECM | DISC BY | FAN RPM | DRIVE | SONES | CONT. BY | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RF-1 | SQ-20 | IL | 7,755 | 1.25 | 5 | 3.16 | 208 | 3 | VFD | N | MC | 1160 | D | 22 | ATC | 1,2,8 |
| RF-4 | SQ-22 | IL | 10,340 | 1.25 | 5 | 3.82 | 208 | 3 | VFD | N | MC | 1160 | D | 25 | ATC | 1,2,8 |
| RF-5 | SQ-22 | IL | 9,900 | 1.25 | 5 | 3.57 | 208 | 3 | VFD | N | MC | 1160 | D | 24 | ATC | 1,2,8 |
| RF-6 | SQ-22 | IL | 9,020 | 1 | 3 | 2.64 | 208 | 3 | VFD | N | MC | 1160 | D | 20 | ATC | 1,2,8 |
| | | | | | | | | | | | | | | | | |
| EF-1 | SQ-100 | IL | 850 | 0.5 | 1/4 | 0.14 | 120 | 1 | ATC | N | EC | 1725 | D | 7.8 | ATC | 1,5,7,8 |
| EF-2 | SQ-140 | IL | 2,530 | 0.75 | 1-1/2 | 0.99 | 208 | 3 | ATC | N | MC | 1725 | D | 18.2 | ATC | 1,2,5,8 |
| EF-3 | SQ-70 | IL | 125 | 0.375 | 1/15 | 0.03 | 120 | 1 | ATC | N | EC | 1725 | D | 5.4 | ATC | 1,5,7,8 |
| EF-4 | G-080 | DB | 150 | 0.375 | 1/20 | 0.05 | 120 | 1 | ATC | N | EC | 1725 | D | 7.8 | ATC | 1,5,7 |
| | | | | | | | | | | | | | | | | |
| TF-1 | SQ-90 | IL | 200 | 0.25 | 1/6 | 0.02 | 120 | 1 | ATC | N | EC | 1800 | D | 4.4 | ATC | 1,4,5,8 |
| TF-2 | SQ-90 | IL | 200 | 0.25 | 1/6 | 0.02 | 120 | 1 | ATC | N | EC | 1800 | D | 4.4 | ATC | 1,4,5,8 |
| TF-3 | SQ-90 | IL | 200 | 0.25 | 1/6 | 0.02 | 120 | 1 | ATC | N | EC | 1800 | D | 4.4 | ATC | 1,4,5,8 |
| TF-4 | SQ-90 | IL | 200 | 0.25 | 1/6 | 0.02 | 120 | 1 | ATC | N | EC | 1800 | D | 4.4 | ATC | 1,4,5,8 |
| | | | | | | | | | | | | | | | | |

IL IN LINE
RV ROOF VENTILATOR
CEF CEILING EXHAUST FAN
UT UTILITY SET
SW SIDE WALL
UB UPBLAST
B BELT DRIVE
D DIRECT DRIVE
DISC DISCONNECT

MC MECHANICAL CONTRACTOR
EC ELECTRICAL CONTRACTOR
CTRL MOTOR CONTROL
VFD VARIABLE FREQUENCY DRIVE
ECM ELECTRONICALLY COMMUTATED MOTOR
RELAY TEMPERATURE CONTROLS RELAY
CB COMBINATION MOTOR STARTER DISCONNECT SWITCH (PROVIDED BY EC)

NOTES:
1. MANUFACTURER BASED ON GREENHECK.
2. PROVIDE BIRD SCREEN AND UNIT MOUNTED DISCONNECT.
3. PROVIDE MOTORIZED DAMPER.
4. PROVIDE LINE VOLTAGE REVERSE ACTING THERMOSTAT.
5. PROVIDE GRAVITY BACKDRAFT DAMPER.
6. PROVIDE SIDE INLET AND END OUTLET.
7. UNIT SHALL BE CONTROLLED VIA BUILDING OCCUPANCY SCHEDULE.
8. PROVIDE INSULATED FAN HOUSING.

## FAN COIL UNIT SCHEDULE

| UNIT NO. | MANUFACTURER & MODEL NO. | TYPE | CFM | ESP | COOLING FLUID | EAT | GPM | WPD | EAT DB | EAT WB | TOTAL MBH | SENS MBH | HEATING FLUID | EAT | GPM | WPD | EAT | MBH | ELECTRICAL HP | VOLT | CTRL | PH | DISC BY | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCU-1 | PRICE FCHG-60 | H | 1320 | 0.6 | EG | 42 | 5.0 | 2.4 | 75 | 63 | 28.9 | 25.3 | EG | 180 | 4.9 | 1.4 | 70 | 50.3 | 1/2 (2) | 208 | ECM | 1 | EC | ALL |
| FCU-2 | PRICE FCHG-50 | H | 1100 | 0.6 | EG | 42 | 5.4 | 2.8 | 75 | 63 | 24.8 | 21.3 | EG | 180 | 2.2 | 0.4 | 70 | 31.0 | 1/2 (2) | 208 | ECM | 1 | EC | ALL |
| FCU-3 | PRICE FCHG-30 | H | 540 | 0.5 | EG | 42 | 2.1 | 1.0 | 75 | 63 | 12.5 | 10.4 | EG | 180 | 1.6 | 0.7 | 70 | 16.6 | 1/2 | 115 | ECM | 1 | EC | ALL |
| FCU-4 | PRICE FCHG-30 | H | 540 | 0.5 | EG | 42 | 2.1 | 1.0 | 75 | 63 | 12.5 | 10.4 | EG | 180 | 1.6 | 0.7 | 70 | 16.6 | 1/2 | 115 | ECM | 1 | EC | ALL |
| FCU-5 | PRICE FCHG-30 | H | 540 | 0.5 | EG | 42 | 2.1 | 1.0 | 75 | 63 | 12.5 | 10.4 | EG | 180 | 1.6 | 0.7 | 70 | 16.6 | 1/2 | 115 | ECM | 1 | EC | ALL |
| | | | | | | | | | | | | | | | | | | | | | | | | |

H HORIZONTAL
EG ETHYLENE GLYCOL (35%)
DISC DISCONNECT
MC MECHANICAL CONTRACTOR
EC ELECTRICAL CONTRACTOR
CTRL MOTOR CONTROL
ECM ELECTRONICALLY COMMUTATED MOTOR
RELAY TEMPERATURE CONTROLS RELAY

NOTES:
1. PROVIDE OVERFLOW DRAIN PAN WITH CONDENSATE SENSOR.
2. PROVIDE WITH MERV 8 FILTER

## AIR HANDLING UNIT SCHEDULE

| UNIT NO. | MANUFACTURER & MODEL NO. | TYPE | SUPPLY FAN SECTION DATA # OF FANS | WHEEL DIA | FAN TYPE | CLASS | CTRL | TOTAL CFM | ESP | HP | TOTAL HP | TOTAL BHP | VOLTS | PH | DISC BY | MCA | MOCP | SCCR | EXHAUST FAN SECTION DATA # OF FANS | WHEEL DIA | FAN TYPE | CLASS | CTRL | TOTAL CFM | ESP | HP | TOTAL HP | TOTAL BHP | VOLTS | PH | DISC BY | MCA | MOCP | COOLING COIL | HEATING COIL | ENERGY RECOVERY UNIT | MIN OA CFM | FILTERS MERV | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AHU-4 | TRANE PSCA | H/DT | 4 | 12.2" | PL | 2 | VFD | 11,650 | 1.75 | 4.02 | 16.08 | 13.08 | 208 | 3 | MC | 40.8 | 50 | 65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | CC-4 | HC-4 | -- | 3,400 | 8/13 | ALL |
| AHU-5 | TRANE PSCA | H/DT | 4 | 12.2" | PL | 2 | VFD | 11,870 | 1.75 | 4.02 | 16.08 | 12.32 | 208 | 3 | MC | 40.82 | 50 | 65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | CC-5 | HC-5 | -- | 3,020 | 8/13 | ALL |
| AHU-6 | TRANE PSCA | H/DT | 4 | 12.2" | PL | 2 | VFD | 9,430 | 1.75 | 4.02 | 16.08 | 11.13 | 208 | 3 | MC | 40.82 | 50 | 65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | CC-6 | HC-6 | -- | 3,000 | 8/13 | ALL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

H HORIZONTAL
V VERTICAL
ST STACKED
DT DRAW THRU
MZ MULTI ZONE
BT BLOW THRU
PL PLENUM
FC FORWARD CURVE
CTRL MOTOR CONTROL

VFD VARIABLE FREQUENCY DRIVE
ECM ELECTRONICALLY COMMUTATED MOTOR
RELAY TEMPERATURE CONTROLS RELAY
CB COMBINATION MOTOR STARTER DISCONNECT SWITCH (PROVIDED BY EC)
DISC DISCONNECT
MC MECHANICAL CONTRACTOR
EC ELECTRICAL CONTRACTOR
MCA MIN. CURRENT AMPACITY
MOCP MAX. OVERCURRENT PROTECTION

NOTES:
1. PROVIDE CONDENSATE OVERFLOW SWITCH TO ALL UNITS LOCATED ABOVE FINISHED CEILINGS
2. MC SHALL VERIFY UNIT DIMENSIONS PRIOR TO ORDERING. UNITS SHALL BE NO LARGER THAN 148"X104".
3. VERIFY ACCESS DOOR AND COIL CONNECTION ORIENTATIONS PRIOR TO ORDERING.
4. UNITS TO BE PROVIDED AS PART OF DEDUCT #1.
5. PROVIDE IN SHORT SHIPPING SPLITS TO FIT N BUILDING/EXISTING MECHANICAL ROOM, OR BREAKDOWN TO BE INSTALLED IN EXISTING MECHANICAL ROOM

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**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADD2 | 05.20.26 |

REGISTERED PROFESSIONAL ENGINEER
CODY D. ELLINGSON
PE - 7116
DATE 05/20/26
NORTH DAKOTA

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2nd AVE S., FARGO, ND 58103

DATE 05/06/26
PHASE CONSTRUCTION DOCUMENTS
PROJECT 2025217
SHEET M700
MECHANICAL SCHEDULES

5/20/2026 11:01:38 AM

## ABBREVIATIONS

| | |
|---|---|
| A | AMPERE |
| AC | ABOVE COUNTER |
| AFF | ABOVE FINISHED FLOOR |
| AS | ABOVE GRADE |
| A/V | AUDIO / VISUAL |
| APPROX | APPROXIMATE |
| AQS | AQUA STAT |
| ATC | AUTOMATIC TEMPERATURE CONTROLS |
| ATS | AUTOMATIC TRANSFER SWITCH |
| BESS | BATTERY ENERGY STORAGE SYSTEM |
| C | CONDUIT |
| CAB | CABINET |
| CCTV | CLOSED CIRCUIT TELEVISION |
| CCT | CORRELATED COLOR TEMPERATURE |
| CLG | CEILING MOUNTED |
| COMB | COMBINATION |
| COMM | COMMUNICATION |
| CP | CONTROL PANEL |
| CRI | COLOR RENDERING INDEX |
| DN | DOWN |
| DO | DOOR OPENER |
| DWG | DRAWING |
| DSD | DUST SMOKE DETECTOR |
| EC | ELECTRICAL CONTRACTOR |
| ECM | ELECTRONICALLY COMMUTATED MOTOR |
| ELEC | ELECTRICAL |
| ELEV | ELEVATION OR ELEVATOR |
| ENCL | ENCLOSURE |
| EPO | EMERGENCY POWER OFF |
| ES | EQUIPMENT SUPPLIER |
| ESD | EMERGENCY SHUTDOWN |
| ETM | ELAPSED TIME METER |
| EWC | ELECTRIC WATER COOLER |
| (E) | EXISTING |
| EXH | EXHAUST FAN |
| EXP | EXPLOSION PROOF |
| FA | FIRE ALARM |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL |
| FACP | FIRE ALARM CONTROL PANEL |
| FAR | FIRE ALARM RELAY |
| FHP | FRACTIONAL HORSEPOWER |
| FLA | FULL LOAD AMPERES |
| FO | FIBER OPTIC |
| FS | FLOAT SWITCH |
| FSEC | FOOD SERVICE EQUIPMENT SUPPLIER |
| FT | FEET |
| GC | GENERAL CONTRACTOR |
| HOA | HAND-OFF-AUTO |
| HW | HARDWIRED |
| IDF | INTERMEDIATE DISTRIBUTION FRAME |
| LED | LIGHT EMITTING DIODE |
| LS | LIFE SAFETY |
| MAG | MAGNETIC |
| MC | MECHANICAL CONTRACTOR |
| MCA | MINIMUM CIRCUIT AMPACITY |
| MCC | MOTOR CONTROL CENTER |
| MDF | MAIN DISTRIBUTION FRAME |
| MECH | MECHANICAL |
| MFG | MANUFACTURER |
| MFS | MAXIMUM FUSE SIZE |
| MIN | MINIMUM |
| MM | MANUAL MOTOR STARTER |
| MP | METERING PUMP |
| MRS | MANUAL REVERSE SWITCH |
| MS | MANUFACTURER STANDARD |
| MTD | MOUNTED |
| MTS | MANUAL TRANSFER SWITCH |
| N/A | NOT APPLICABLE |
| NC | NORMALLY CLOSED |
| NEC | NATIONAL ELECTRICAL CODE |
| NF | NON-FUSED |
| NIC | NOT IN CONTRACT |
| NL | NIGHT LIGHT |
| NTS | NOT TO SCALE |
| NO | NORMALLY OPEN |
| OAH | OVERALL HEIGHT |
| OS | OCCUPANCY SENSOR |
| PA | PUBLIC ADDRESS |
| PH | PHASE |
| PL | PILOT LIGHT |
| PLS | PILOT LIGHT SWITCH |
| PNL | PANELBOARD |
| R | RELAY |
| REC | RECEPTACLE / CORD & PLUG |
| RGP | REFERENCE GROUND POINT |
| SC | SELF CONTAINED |
| SE | SERVICE ENTRANCE |
| SPC | SINGLE POINT CONNECTION |
| SPST | SINGLE POLE SINGLE THROW |
| SS | SOLID STATE |
| ST | SHUNT TRIP |
| STRUCT | STRUCTURAL |
| SUSE | SUITABLE FOR USE AS SERVICE EQUIPMENT |
| TCR | TELECOMMUNICATIONS ROOM |
| TELE | TELEPHONE |
| TGB | TELECOMMUNICATIONS GROUNDING BUSBAR |
| THRU | THROUGH |
| TMGB | TELECOMMUNICATIONS MAIN GROUNDING BUSBAR |
| TS | TIME SWITCH |
| T-STAT | THERMOSTAT |
| TV | TELEVISION |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| V | VOLT |
| VFD | VARIABLE FREQUENCY DRIVE |
| W/ | WITH |
| WAP | WIRELESS ACCESS POINT |
| WG | WIRE GUARD |
| WH | WATER HEATER |
| WP | WEATHERPROOF |
| XFMR | TRANSFORMER |

### CIRCUIT BREAKER IDENTIFICATION

| CIRCUIT BREAKER SYMBOL | CODE |
|---|---|
| ARC FAULT CURRENT INTERRUPT | (AFI) |
| COMBINATION GFCI AND SHUNT TRIP | (GFIST) |
| GFCI FOR EQUIPMENT PROTECTION | (GFIE) |
| GFCI FOR PERSONNEL PROTECTION | (GFIP) |
| GROUND FAULT RELAY | (GR) |
| LOCKING ACCESSORY | (LA) |
| SHUNT TRIP | (ST) |
| LONG TIME + SHORT TIME + INSTANTANEOUS + GROUND FAULT | (LSIG) |

## ELECTRICAL SYMBOLS

### SHEET

| | DESCRIPTION |
|---|---|
| 1 | SHEET NOTE REFERENCE |
| E000 | NUMBER OF DETAIL ON SHEET<br>NUMBER OF SHEET WHERE DETAIL APPEARS |
| 1 | REVISION NOTE REFERENCE |
| | DARK DASHED LINES INDICATES ITEMS TO BE REMOVED |

### WIRING AND RACEWAY

| | DESCRIPTION |
|---|---|
| | CONDUIT IN WALL OR CEILING |
| | CONDUIT IN FLOOR OR UNDERGROUND |
| | CONDUIT STUB UP / DOWN |
| | GROUND |
| | BREAK OR CONTINUATION |
| | STUB-OUT / TERMINATION |
| 16"x2" | CABLE TRAY (NUMBERS INDICATE SIZE) |
| | WIRE MESH CABLE TRAY (NUMBERS INDICATE SIZE) |
| | LADDER TRAY |
| | NON-CONTINUOUS CABLE SUPPORTS |
| | MULTI-OUTLET ASSEMBLY (PLUGMOLD) |

### LIGHTING

| | DESCRIPTION |
|---|---|
| | WALL MOUNTED LIGHT FIXTURE |
| | SURFACE/SUSPENDED LIGHT FIXTURE |
| | RECESSED LIGHT FIXTURE |
| | LIGHT FIXTURE ON EMERGENCY POWER |
| | SURFACE DOWNLIGHT FIXTURE |
| | RECESSED DOWNLIGHT FIXTURE |
| | SURFACE DOWNLIGHT, EMERGENCY POWER |
| | RECESSED DOWNLIGHT, EMERGENCY POWER |
| | WALL EXIT LIGHT FIXTURE |
| | CEILING EXIT LIGHT FIXTURE |
| | EMERGENCY BATTERY LIGHT FIXTURE |
| | PENDANT FIXTURE |
| | TRACK HEAD |
| | SINGLE HEAD PARKING LOT LIGHT FIXTURE |

### LIGHTING CONTROL

LOWERCASE, UNDERLINED LETTER (g) INDICATES SWITCH ID.

| | DESCRIPTION |
|---|---|
| LCN | LIGHTING CONTROL NOTE REFERENCE |
| $ | SINGLE POLE SWITCH<br>3 - THREE-WAY SWITCH<br>4 - FOUR-WAY SWITCH<br>K - KEYED SWITCH<br>LV - LOW-VOLTAGE SWITCH<br>P - PILOT LIGHT SWITCH |
| $D | DIMMER SWITCH |
| $3 | THREE-WAY DIMMER SWITCH |
| LTS | LIGHTING TOUCH SCREEN |
| | PHOTOCELL |
| $TS | TIME SWITCH |
| RB | REMOTE BATTERY |
| RD | REMOTE DRIVER |
| | PIR (WALL) - STAND ALONE |
| | DUAL TECHNOLOGY (WALL) - STAND ALONE |
| R 424 | UL924 RELAY |

### DISTRIBUTION

| | DESCRIPTION |
|---|---|
| | MAGNETIC MOTOR STARTER |
| | COMBINATION STARTER DISCONNECT |
| | DISCONNECT |
| R | RELAY |
| C | CONTACTOR |
| | LOW VOLTAGE TRANSFORMER |
| | TELEPHONE/DATA BACKBOARD |
| | PANELBOARD |
| | EQUIPMENT/CONTROL CABINET |
| | HAND OFF-AUTO SWITCH |
| G x | GROUND BAR (LETTER INDICATES TYPE)<br>TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR<br>TGB - TELECOMMUNICATIONS GROUNDING BUSBAR |

### ELECTRICAL DEVICE

| | DESCRIPTION |
|---|---|
| | DUPLEX RECEPTACLE (LETTER INDICATES TYPE)<br>D - DEDICATED CIRCUIT<br>SM - SURFACE MOUNT<br>TR - TAMPER RESISTANT<br>U - WITH USB<br>WP - WEATHERPROOF |
| | DOUBLE DUPLEX RECEPTACLE |
| | GFCI DUPLEX RECEPTACLE |
| | GFCI DOUBLE DUPLEX RECEPTACLE |
| | DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT |
| | DUPLEX RECEPTACLE WITH ISOLATED GROUND |
| | SINGLE POLE RECEPTACLE |
| | HORIZONTAL DUPLEX RECEPTACLE |
| DP | REMOTE DEAD FRONT GFCI TEST/RESET SWITCH |
| | SPECIAL RECEPTACLE |
| | MOTOR |
| $M | MANUAL MOTOR SWITCH |
| | MOTOR WITH MOTOR RATED TOGGLE SWITCH DISCONNECT |
| HD | HAND DRYER |
| PP | POWER POLE |
| GEN | GEN-SET ANNUNCIATOR PANEL |
| PTX | POKE-THRU FLOOR BOX (LETTER INDICATES TYPE) |
| | JUNCTION BOX |
| MD | WALL MOUNTED JUNCTION BOX |
| MD | WALL MOUNTED TV ENCLOSURE WITH 2D DATA & DUPLEX RECEPTACLE. REFER TO RECESSED MONITOR BOX DETAIL |
| T | THERMOSTAT BY DIVISION 26 |
| ELEV 2-WAY CS | ELEVATOR LOBBY 2-WAY COMMUNICATION SYSTEM, CALL STATION |
| ELEV 2-WAY MS | ELEVATOR LOBBY 2-WAY COMMUNICATION SYSTEM, MASTER STATION |

### AUDIO / VISUAL

| | DESCRIPTION |
|---|---|
| S A | RECESSED CEILING SPEAKER (LETTER INDICATES TYPE)<br>SM - SOUND MASKING |
| IC x | INTERCOM (LETTER INDICATES TYPE)<br>M - MASTER CALL STATION<br>S - SECONDARY CALL STATION<br>C - CAMERA INTERCOM |
| M | CEILING MICROPHONE OUTLET |
| $ V | VOLUME CONTROL SWITCH |
| C | WALL MOUNTED CLOCK |
| P | PROJECTOR |
| AV | AV ROUGH-IN / JACKS |
| C | CAMERA |
| | MOTION DETECTOR (MD) |

### ACCESS

| | DESCRIPTION |
|---|---|
| DA | DOOR ALARM / POSITION SWITCH |
| ML | MAGNETIC LOCK(S) |
| PS | DOOR POWER SUPPLY |
| DP | DOOR DELAYED EGRESS |
| ES | ELECTRIC STRIKE |
| AD | AUTOMATIC DOOR CONNECTION |
| PP | DOOR RELEASE PUSH-PLATE |
| KS | DOOR RELEASE KEYSWITCH STATION |
| KP | DOOR RELEASE KEYPAD STATION |
| CR x | DOOR RELEASE CARD READER STATION<br>PROX - PROXIMITY<br>M - MULLION MOUNT |
| FA | FIRE ALARM CONNECTION |
| MS | MOTION SENSOR |
| RX | REQUEST-TO-EXIT |
| PE | PUSH-TO-EXIT BUTTON |
| SEC-A | ACCESS CONTROL POWER SUPPLIES / CONTROL PANEL |

### DATA

| | DESCRIPTION |
|---|---|
| | SERVER RACK (2-POST, 4-POST) |
| 4x | SYSTEMS OUTLET<br># & LETTER INDICATES QUANTITY AND TYPE<br>#V - QUANTITY OF VOICE CABLES<br>#D - QUANTITY OF DATA CABLES<br>#T - QUANTITY OF COAX CATV CABLES<br>#LTD - WALL PHONE (ONE DATA CABLE)<br>#WAP - WIRELESS ACCESS POINT |

### HEATING

| | DESCRIPTION |
|---|---|
| CUH-XX | CABINET UNIT HEATER (CUH) |
| FF-XX | FAN FORCED HEATER |

### FIRE ALARM

| | DESCRIPTION |
|---|---|
| F | MANUAL PULL STATION |
| | FIRE ALARM STROBE LIGHT |
| H | FIRE ALARM HORN |
| H | COMBINATION AUDIO/VISUAL FIRE ALARM |
| H | COMBINATION RATE OF RISE HEAT DETECTOR |
| S | SMOKE DETECTOR (LETTER INDICATES TYPE)<br>(blank) - PHOTO ELECTRIC<br>DPE - DUCT SMOKE DETECTOR, PHOTO ELECTRIC |
| FA | FIRE ALARM ANNUNCIATOR PANEL |
| FSD | FIRE/SMOKE DAMPER |
| RTS | REMOTE TEST SWITCH |
| | INDIVIDUAL ADDRESSABLE MONITOR MODULE |
| | INDIVIDUAL ADDRESSABLE CONTROL MODULE |
| TS | TAMPER SWITCH |
| FS | FLOW SWITCH |
| R | FIRE ALARM RELAY |
| | MAGNETIC DOOR HOLDER |

## GENERAL ELECTRICAL NOTES:

A. INSTALL ELECTRICAL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, STATE, COUNTY, MUNICIPAL AND FEDERAL LAWS AND ORDINANCES GOVERNING THE PROJECT. IF THE PLANS AND SPECIFICATIONS ARE IN DIRECT CONFLICT WITH SUCH CODES, LAWS OR ORDINANCES, NOTIFY THE ENGINEER OF CONFLICT IN WRITING PRIOR TO MAKING CHANGES FROM PLANS AND/OR SPECIFICATIONS. WORK SHALL BE PERFORMED UNDER THE SUPERVISION OF A LICENSED MASTER ELECTRICIAN, LICENSED IN THE STATE IN WHICH THE WORK WILL OCCUR.

B. BRANCH CIRCUIT CONDUITS, JUNCTION BOXES AND CONNECTIONS ARE NOT SHOWN. PROVIDE COMPLETE RACEWAY SYSTEM AND CONDUCTORS AS REQUIRED FOR THE INDICATED CIRCUITRY.

C. ALTHOUGH FEEDER AND BRANCH CIRCUIT WIRING AND CONDUIT ARE NOT SPECIFICALLY SHOWN, PROVIDE A COMPLETE FEEDER AND BRANCH CIRCUIT WIRING SYSTEM.

D. HOMERUN CIRCUITS SHALL BE 3/4 INCH CONDUIT, 2#12, 1#12 GROUND MINIMUM TO A 20A/1P CIRCUIT BREAKER IN PRESCRIBED PANEL. THE NUMBERS SHOWN AT EACH DEVICE/HOMERUN REPRESENT BRANCH CIRCUIT NUMBER(S) IN PANELBOARD.

E. EXTERIOR LUMINAIRE/DEVICE CIRCUITS SHALL BE 3/4 INCH CONDUIT, 2#10, 1#10 GROUND MINIMUM TO 20A/1P CIRCUIT BREAKER IN DESIGNATED PANEL. THE NUMBERS SHOWN AT EACH DEVICE REPRESENT BRANCH CIRCUIT NUMBER(S) IN PANELBOARD.

F. ALL CONDUIT AND WIRING SIZES SHOWN ARE MINIMUMS, DEPENDING ON EXACT ROUTING. PROVIDE LARGER AS REQUIRED FOR VOLTAGE DROP, AMBIENT TEMPERATURE, OR OTHER DERATING.

G. WIRE AND RACEWAY SIZES INDICATED ON HOMERUNS/CIRCUITS SHALL BE CONTINUOUS FOR ENTIRE LENGTH.

H. A MAXIMUM OF THREE CIRCUITS SHALL BE INSTALLED IN A CONDUIT.
PROVIDE DEDICATED NEUTRAL FOR EACH SINGLE PHASE CIRCUIT.

J. RACEWAYS SHALL BE LIMITED TO SIX CURRENT CARRYING CONDUCTORS (THREE PHASE AND THREE NEUTRALS) AND GROUNDING CONDUCTOR.

K. CONDUCTORS MUST BE DERATED PER THE NATIONAL ELECTRICAL CODE WHEN MORE THAN THREE CURRENT CARRYING CONDUCTORS ARE RUN IN THE SAME RACEWAY.

L. INSTALL WIRING CONCEALED IN RACEWAYS AND CONCEAL RACEWAYS IN WALLS, FLOORS, AND CEILINGS. NO SURFACE RACEWAYS SHALL BE INSTALLED ON NEW FINISHED WALLS UNLESS NOTE OTHERWISE.

M. CABLING THAT IS NOT IN CONDUIT AND IS LOCATED IN AIR HANDLING SPACE SHALL BE PLENUM RATED. REFER TO MECHANICAL PLANS FOR PLENUM AREAS.

N. DO NOT INSTALL ELECTRICAL EQUIPMENT THAT PHYSICALLY INTERFERES WITH SERVICING OF MECHANICAL EQUIPMENT.

O. ELECTRICAL CONDUITS, WIRING, BOXES, ETC. SHALL NOT PENETRATE STAIR ENCLOSURE UNLESS THEY ARE FEEDING DEVICES LOCATED WITHIN THE STAIR ENCLOSURE.

P. PROVIDE ELECTRICAL OUTLET PLATE GASKET SEALS AT RECEPTACLES, SWITCHES, OTHER ELECTRICAL BOXES ON EXTERIOR WALLS AND INTERIOR WALLS BETWEEN CONDITIONED AND UNCONDITIONED SPACES.

Q. PROVIDE UNIVERSAL BLANK PLUGS ON SPARE CONDUITS SIZED FOR CONDUIT.

R. SEAL CONDUITS AT THE LAST STRUCTURE PRIOR TO CONDUITS ENTERING A BUILDING AND WHERE CONDUITS ENTER A BUILDING. INSTALL NYLON PULL STRING AND FOOTAGE TAPE IN SPARE CONDUITS.

S. RACEWAY AND WIRING INDICATED ON THE DRAWINGS ARE RECOMMENDATIONS FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR EXACT ROUTING.

T. 120 VOLT BRANCH CIRCUITS OVER 75 FEET IN CONDUCTOR LENGTH SHALL BE INCREASED ONE WIRE SIZE OVER CIRCUIT AMPACITY AND CIRCUITS OVER 150 FEET IN CONDUCTOR LENGTH SHALL BE INCREASED TWO WIRE SIZES.

U. 277 VOLT BRANCH CIRCUITS OVER 200 FEET IN CONDUCTOR LENGTH SHALL BE INCREASED ONE WIRE SIZE OVER CIRCUIT AMPACITY AND CIRCUITS OVER 350 FEET IN CONDUCTOR LENGTH SHALL BE INCREASED TWO WIRE SIZES.

V. ELEVATIONS AND HEIGHTS ON ELECTRICAL DRAWINGS AND SPECIFICATIONS ARE APPROXIMATE. FOR WALL MOUNTED DEVICES REFER TO ARCHITECTURAL ELEVATIONS. FOR LOCATION OF CEILING MOUNTED DEVICES REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.

W. REFERENCES TO MECHANICAL INDICATES DIVISIONS 21, 22, 23, & 25 CONTRACTORS. REFERENCES TO ELECTRICAL INDICATES DIVISIONS 26, 27 & 28 CONTRACTORS.

X. PAINT CONDUIT AND BOXES WHERE CONDUIT OR BOXES ARE VISIBLE IN FINISHED SPACES. COORDINATE WITH OTHER TRADES.

Y. PROVIDE NEW, FIRST QUALITY MATERIAL FOR ALL PRODUCTS PROVIDED UNDER THIS CONTRACT.

Z. DO NOT INSTALL OUTLETS BACK TO BACK. PROVIDE MINIMUM OF 24 INCH HORIZONTAL SPACING IN FIRE RATED WALLS. MOUNT LOW VOLTAGE AND POWER OUTLETS IN DIFFERENT STUD WALL CAVITIES. PROVIDE PUTTY PADS AT EACH BOX WHERE A JUNCTION BOX OR OUTLET IS INSTALLED WITHIN THE SAME STUD WALL CAVITY AS ANOTHER OUTLET OR JUNCTION BOX ON THE OTHER SIDE OF THE WALL. PROVIDE PUTTY PADS WHERE REQUIRED TO MAINTAIN THE FIRE RATING OR THE SOUND TRANSMISSION LEVEL OF THE OR FINISH.

## GENERAL ELECTRICAL DEMOLITION NOTES:

A. DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE NOT INTENDED TO INDICATE ALL DEVICES OR CONDITIONS ASSOCIATED WITH DEMOLITION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ACTUAL CONDITIONS INVOLVED IN THE DEMOLITION AND SUBSEQUENT RECONSTRUCTION REQUIRED TO COMPLETE THE ELECTRICAL INSTALLATION.

B. DASHED ELECTRICAL DEVICES INDICATE DEVICES THAT ARE TO BE DEMOLISHED. SOLID/BOLD LINED ELECTRICAL DEVICES INDICATE DEVICES THAT ARE TO BE SCREENED/LIGHT LINED ELECTRICAL DEVICES INDICATE DEVICES THAT ARE EXISTING TO REMAIN AND ARE SHOWN FOR REFERENCE ONLY.

C. DEMOLITION AND CONSTRUCTION SHALL BE PERFORMED IN PHASES AS DESCRIBED IN THE DRAWING PACKAGE AND SPECIFICATIONS. REVIEW THE ENTIRE DRAWING SET AND PROJECT MANUAL FOR ADDITIONAL INFORMATION.

D. CIRCUIT CONTINUITY SHALL BE MAINTAINED TO EXISTING LIGHTING, DEVICES, AND EQUIPMENT REMAINING, BUT AFFECTED BY DEMOLITION. PROVIDE NEW CONDUIT AND WIRING AS NECESSARY TO MAINTAIN CONTINUITY TO EXISTING EQUIPMENT AND DEVICES. FIELD VERIFICATION OF BRANCH CIRCUIT CONFIGURATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

E. VERIFY EXISTING CONDITIONS BEFORE COMMENCING DEMOLITION OF AN AREA. WHERE NEEDED DURING CONSTRUCTION FOR PHASING, TEMPORARILY RECONNECT CIRCUITS AND DEVICES AFTER DEMOLITION UNTIL PERMANENT INSTALLATION IS COMPLETED. DEMOLISH AFTER INSTALLATION IS COMPLETED.

F. REMOVE JUNCTION BOXES, SUPPORTS, CONDUIT AND WIRING TO THE POINT OF ORIGIN UNLESS NOTED OTHERWISE.

G. COORDINATE EQUIPMENT DEMOLITION WITH OTHER CONTRACTORS. DEMOLISH EQUIPMENT, CONTROLS, AND INSTRUMENTATION WIRING OF EQUIPMENT BEING DEMOLISHED.

H. RELOCATE, EXTEND, AND RECONNECT POWER, ELECTRICAL CONTROLS, AND INSTRUMENTATION WIRING OF EQUIPMENT BEING RELOCATED.

I. SEAL OPENINGS IN BOXES AND ENCLOSURES THAT HAVE CONDUIT REMOVED AND OPENINGS ARE NOT REUSED. PROVIDE BLANK COVER PLATES ON ALL JUNCTION BOXES AND ENCLOSURES THAT HAVE DEVICES DEMOLISHED BUT BOXES ARE EXISTING TO REMAIN.

J. DEMOLISH ALL EQUIPMENT IN A MANNER THAT WILL NOT DESTROY OR DAMAGE EQUIPMENT OR DEVICES THAT ARE TO BE SALVAGED, EXISTING TO REMAIN, OR BE REUSED.

K. REPLACE ALL CONDUITS AND RACEWAYS THAT ARE DAMAGED DURING CONSTRUCTION.

L. DO NOT REUSE MATERIALS (CONDUIT, CABLING, WIRING, DEVICES, SUPPORTS, EQUIPMENT, ETC.) UNLESS SPECIFICALLY INDICATED OR APPROVED. ALL CONDUIT, PATHWAYS, AND WIRING SHALL BE NEW UNLESS SPECIFICALLY INDICATED AS "EXISTING TO REMAIN" OR "EXISTING TO BE REUSED".

## GENERAL LIGHTING NOTES:

A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN DRAWINGS FOR LOCATION OF LUMINAIRES AND CEILING MOUNTED ELECTRICAL DEVICES.

B. REFER TO ARCHITECTURAL ELEVATIONS AND DETAILS FOR LOCATION OF WALL MOUNTED LUMINAIRES, TASK LIGHTING, DISPLAY LIGHTING, AND COVE LIGHTING.

C. SWITCHING SHOWN ON PLANS DO NOT SHOW SWITCH LEG/TRACER WIRE BETWEEN LINE-VOLTAGE SWITCHES OR CONTROLS WIRING. PROVIDE REQUIRED WIRING FOR SWITCHING AND CONTROL OF LIGHTING.

D. CONNECT EXIT SIGNS TO THE LINE SIDE OF THE EMERGENCY LIGHTING CIRCUIT SERVING THE SAME AREA, SUCH THAT THEY HAVE CONTINUOUS ILLUMINATION CHARGING AND AC CIRCUIT MONITORING.

E. CONNECT LUMINAIRES NOTED WITH THE SUBSCRIPT 'NL' (NIGHT LIGHT) FOR CONTINUOS NON-SWITCHED ILLUMINATION.

F. LUMINAIRES IN SERVICE SPACES SUCH AS MECHANICAL ROOMS AND TELEGOM ROOMS ARE SHOWN FOR QUANTITY ONLY. COORDINATE LUMINAIRE LOCATIONS WITH THE MECHANICAL EQUIPMENT, DUCTWORK, PIPING, ETC. TO PROVIDE ADEQUATE, DISTRIBUTED ILLUMINATION LEVELS THROUGHOUT THE SPACE AND AT ALL WALKWAYS.

G. INSTALL CONDUIT AND WIRING FOR EXTERIOR BUILDING MOUNTED DEVICES AND LUMINAIRES CONCEALED WITHIN THE BUILDING, NOT EXPOSED ON BUILDING EXTERIOR.

H. UNLESS NOTED OTHERWISE, CONNECT UNDERCABINET LIGHTING TO LOCAL CONVENIENCE BRANCH RECEPTACLE CIRCUIT.

I. WHERE CIRCUITING IS NOT SHOWN, CONNECT TO NEAREST LIGHTING CIRCUIT OF THE SAME VOLTAGE SERVING THE AREA SHOWN. CONNECT SUCH THAT NO MORE THAN 1800VA PER 20A, 120V CIRCUIT.

J. SWITCHES OR LIGHTING CONTROLS IN A SPACE SHALL CONTROL LIGHTING IN THAT SPACE UNLESS NOTED OTHERWISE.

K. FOR EVERY SWITCHED OR DIMMED LUMINAIRE (OR GROUP OF LUMINAIRES) CONNECTED TO A GENERATOR/INVERTER CIRCUIT, PROVIDE (1) 924 RELAY. IN ADDITION TO CIRCUIT FROM GENERATOR/INVERTER TO RELAY, FOR AC CIRCUIT MONITORING PROVIDE POWER CIRCUITING THAT IS CONNECTED AHEAD OF THE TRANSFER SWITCH USING NORMAL BRANCH CIRCUITS SERVING THE SAME AREA SUCH THAT LUMINAIRE ILLUMINATES UPON FAILURE OF LOCAL LIGHTING POWER.

## GENERAL POWER NOTES:

A. COORDINATE LOCATION OF ELECTRICAL DEVICES SUCH AS RECEPTACLES, SWITCHES, WIRING DEVICES, ETC. WITH ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS AND EQUIPMENT VENDOR DRAWINGS PRIOR TO START OF WORK. REQUEST CLARIFICATIONS FROM CONSTRUCTION MANAGER PRIOR TO INSTALLATION.

B. REFER TO MOTOR & EQUIPMENT SCHEDULE AND EQUIPMENT SCHEDULES ON MECHANICAL, PLUMBING, HVAC, AND OTHER DRAWINGS SHEETS FOR ELECTRICAL REQUIREMENTS OF EQUIPMENT.

C. REFER TO EQUIPMENT SUBMITTALS AND SHOP DRAWINGS FOR LOCATION AND CONNECTION REQUIREMENTS OF EQUIPMENT.

D. COORDINATE LOCATION OF MODULAR SYSTEMS FURNITURE POWER AND DATA/TELEPHONE ENTRANCE LOCATIONS WITH FURNITURE SUPPLIER PRIOR TO CONSTRUCTION.

E. WHERE CIRCUITING IS NOT SHOWN, CONNECT CONVENIENCE RECEPTACLES SUCH THAT NO MORE THAN 6 RECEPTACLES (YOKES) ARE ON A CIRCUIT. CONNECT TO THE NEAREST 120/208V PANEL SERVING THE AREA SHOWN.

F. PROVIDE GFCI TYPE PROTECTION OF PERSONNEL CIRCUIT BREAKER TO FEED A NON-GFCI RECEPTACLE IF RECEPTACLE IS DESIGNATED GFCI BUT IS NOT READILY ACCESSIBLE (SUCH AS BEING LOCATED BEHIND PERMANENTLY INSTALLED EQUIPMENT OR REQUIRES A TOOL OR LADDER TO ACCESS IT).

## GENERAL TECHNOLOGY NOTES:

A. COORDINATE LOCATION OF ELECTRICAL DEVICES WITH ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS PRIOR TO START OF WORK. REQUEST CLARIFICATIONS FROM ARCHITECT PRIOR TO INSTALLATION.

B. TECHNOLOGY CABLING, EQUIPMENT, OR DEVICES OF CERTAIN SYSTEMS MAY BE SPECIFIED, FURNISHED, INSTALLED, PROGRAMMED, OR PROVIDED BY OTHERS. UNLESS NOTED OTHERWISE IN SPECIFICATIONS, PROVIDE COMPLETE SYSTEMS INCLUDING BUT NOT LIMITED TO CABLING, EQUIPMENT, DEVICES, PROGRAMMING, LICENSES, INTERFACES, EXTENDERS, UPS UNITS, SWITCHES, STORAGE, COORDINATION, JACKS, ETC., REQUIRED FOR A COMPLETE SYSTEM. REFER TO SPECIFICATIONS.

C. CABLE TRAY SHALL BE CONTINUOUS. INTERRUPTIONS IN CABLE TRAY RUNS SHALL ONLY BE ALLOWED FOR SLEEVES THROUGH WALLS, FLOORS, AND FOR TRANSITION TO SLEEVES FOR ROUTING ABOVE INACCESSIBLE CEILINGS. COORDINATE CABLE TRAY ROUTING ABOVE CORRIDOR CEILINGS WITH MECHANICAL EQUIPMENT, PIPING, ELECTRICAL CONDUIT, CEILING PLANES, AND ELECTRICAL DEVICES. ADJUST CABLE TRAY ROUTING AS REQUIRED. CABLE TRAY RUN SHALL BE CONTINUOUS AND SHALL NOT BE INTERRUPTED MERELY BECAUSE COORDINATION WITH OTHER EQUIPMENT IS DIFFICULT OR WAS NOT COMPLETED PRIOR TO INSTALLATION.

D. REFER TO TECHNOLOGY DRAWINGS FOR TELECOMMUNICATIONS, SECURITY, AUDIO/VIDEO, FIRE ALARM, AND OTHER SYSTEMS AS SHOWN. PROVIDE REQUIRED RACEWAYS FOR THESE SYSTEMS FOR A COMPLETE INSTALLATION. REFER TO ELECTRICAL, TELECOMMUNICATIONS, SECURITY AND AUDIO/VISUAL SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS.

E. COORDINATE LOCATION OF JUNCTION BOXES FOR EQUIPMENT THAT IS FURNISHED BY OTHERS. COORDINATE WITH THE EQUIPMENT SUPPLIER PRIOR TO INSTALLATION. PROVIDE ALL CABLING FROM JUNCTION BOX TO EQUIPMENT CONNECTION AS REQUIRED.

F. COORDINATE LOCATION OF MODULAR SYSTEMS FURNITURE DATA/TELEPHONE ENTRANCE LOCATIONS WITH FURNITURE SUPPLIER PRIOR TO CONSTRUCTION. PROVIDE MODULAR FACEPLATES AS REQUIRED FOR FURNITURE SUPPLIED.

G. COORDINATE REQUIREMENTS AND LOCATIONS OF FLOORBOXES AND TABLE BOXES WITH FLOORBOX SUPPLIER PRIOR TO CONSTRUCTION. PROVIDE MODULAR FACEPLATES AS REQUIRED FOR BOX OPENINGS AVAILABLE.

H. WHERE WIRELESS ACCESS POINTS ARE LOCATED WITHIN AN INACCESSIBLE (5YR OR OTHER) CEILING, PROVIDE 1" EMT J-BOX IN CEILING WITH 3/4" CONDUIT TO NEAREST ACCESSIBLE CEILING. COORDINATE EXACT LOCATIONS IN CEILING WITH OWNER PRIOR TO INSTALL.

I. FOR TECHNOLOGY DEVICE LOCATIONS, PROVIDE TWO-GANG BOX MIN WITH SINGLE-GANG MUD RING AND 1" CONDUIT MIN INTO ACCESSIBLE CEILING SPACE.
FOR AUDIO/VIDEO INPUT AND OUTPUT DEVICE LOCATIONS, PROVIDE 4-11/16" X 4-11/16" BOX MIN WITH 1-1/2" CONDUIT MIN INTO ACCESSIBLE CEILING SPACE. PROVIDE MUD RING SIZED AS NEEDED FOR DEVICES.

K. NOT ALL TECHNOLOGY PATHWAYS ARE SHOWN ON DRAWINGS IN ORDER TO ALLOW CONTRACTOR TO ROUTE AS NEEDED. PROVIDE ADDITIONAL CONDUITS, SLEEVES, AND PATHWAYS FOR A FULL AND COMPLETE INSTALLATION. TYPICALLY, ROUTE PATHWAYS TO LIMIT CABLE DISTANCE. PROVIDE ADDITIONAL PATHWAYS IF REQUIRED TO MAINTAIN PERMANENT LINK UTP CABLE DISTANCE OF 295'-0" FROM PATCH PANEL TO OUTLET. NO UTP CABLE DISTANCE MAY BE LONGER THAN 295'-0" UNLESS SPECIFICALLY NOTED. PROVIDE 30% SPARE CABLE FILL CAPACITY MINIMUM IN PATHWAYS.

L. TYPICALLY, NOT ALL ACCESS CONTROL DEVICES ARE SHOWN ON FLOOR PLANS. PROVIDE CONDUIT AND CONNECTIONS FOR ALL ELECTRONIC DOOR HARDWARE AT ANY LOCATIONS SHOWING DOOR CONTACTS OR CARD READERS OR SHOWN IN ARCH DWGS/SPECS. TYPICALLY OTHER DEVICES (ELECTRIC STRIKES, ELECTRONIC LOCKS, MAG LOCKS, REQUEST-TO-EXITS, ELECTRIC HINGES, DOOR OPENERS, ETC.,) WILL ALSO BE REQUIRED AS PER THE EXACT LOCATION AS PER THE ARCH DOOR HARDWARE SCHEDULE AND DIV 8 SPECIFICATIONS. PROVIDE ALL CONNECTIONS REQUIRED AND REFER TO ELEC DETAILS FOR TYPICAL CONNECTION REQUIREMENTS. COORDINATE ALL REQUIREMENTS WITH DIV 8 SUPPLIER.

M. FIRE ALARM SYSTEM WIRING IS NOT SHOWN. PROVIDE CONDUIT AND WIRING NECESSARY FOR A COMPLETE AND OPERATING SYSTEM.

N. FIRE ALARM DEVICES TO BE WIRED BACK INTO EXISTING FIRE ALARM SYSTEM.

## GENERAL SAFETY & SECURITY NOTES:

A. COORDINATE LOCATION OF ELECTRICAL DEVICES WITH ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS PRIOR TO START OF WORK. REQUEST CLARIFICATIONS FROM ARCHITECT PRIOR TO INSTALLATION.

B. TECHNOLOGY CABLING, EQUIPMENT, OR DEVICES OF CERTAIN SYSTEMS MAY BE SPECIFIED, FURNISHED, INSTALLED, PROGRAMMED, OR PROVIDED BY OTHERS. UNLESS NOTED OTHERWISE IN SPECIFICATIONS, PROVIDE COMPLETE SYSTEMS INCLUDING BUT NOT LIMITED TO CABLING, EQUIPMENT, DEVICES, PROGRAM

## SHEET NOTES

- ED1 TO BE REPLACED WITH NEW. REMOVE, PREPARE CIRCUITING FOR NEW CONNECTION.
- ED2 DEMOLISH LIGHT FIXTURE, BOX AND CONDUCTORS. WALL PATCHING BY GENERAL CONTRACTOR. EC SHALL FIELD VERIFY WORK.
- ED3 ELECTRICAL EQUIPMENT TO BE REPLACED WITH NEW. EC SHALL DISCONNECT, REMOVE AND DEMO. CONDUCTORS AND BRANCH CIRCUITS SHALL REMAIN AND PREPARE FOR NEW CONNECTIONS.
- ED4 DISCONNECT AND REMOVE FOR REUSE. CIRCUITING TO BE PREPARED FOR NEW LOCATION.
- ED5 EC SHALL DISCONNECT MECHANICAL EQUIPMENT FOR REPLACEMENT BY MC. EC SHALL PREPARE CIRCUITING FOR NEW MECHANICAL EQUIPMENT CONNECTION. COORDINATE WORK WITH MC.

ALTERNATE NO. 2

SEE ALT. NO. 3

SEE ALT. NO. 5

L2A L2B

1 SECOND FLOOR PLAN - ELECTRICAL DEMOLITION

SCALE: 1/8" = 1'-0"

NORTH

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PE - 8251
DATE 05/20/2026
NORTH DAKOTA

CASS COUNTY COURTHOUSE
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SHEET
# E102
SECOND FLOOR PLAN - ELECTRICAL DEMOLITION

## SHEET NOTES

ED1 TO BE REPLACED WITH NEW. REMOVE, PREPARE CIRCUITING FOR NEW CONNECTION.

ED2 DEMOLISH LIGHT FIXTURE, BOX AND CONDUCTORS. WALL PATCHING BY GENERAL CONTRACTOR. EC SHALL FIELD VERIFY WORK.

ED3 ELECTRICAL EQUIPMENT TO BE REPLACED WITH NEW. EC SHALL DISCONNECT, REMOVE AND DEMO. CONDUCTORS AND BRANCH CIRCUITS SHALL REMAIN AND PREPARE FOR NEW CONNECTIONS.

ED4 DISCONNECT AND REMOVE FOR REUSE. CIRCUITING TO BE PREPARED FOR NEW LOCATION.

ED5 EC SHALL DISCONNECT MECHANICAL EQUIPMENT FOR REMOVAL BY MC. EC SHALL DEMO CIRCUITING AND ASSOCIATED DISCONNECT. COORDINATE WORK WITH MC.

ED7 EXISTING DATA CLOSET. DEMOLITION OF THIS ROOM SHALL NOT OCCUR UNTIL EXPLICITLY DIRECTED BY THE ARCHITECT AND OWNER. CABLING SERVING WALL JACKS DEMOLISHED IN OTHER PHASES MAY BE REMOVED. ROOM SHALL BE DEMO'D AND REMODELED AS PART OF THE LAST PHASE OF CONSTRUCTION AFTER ALL PERMANENT DATA/IT ROOMS HAVE BEEN INSTALLED AND ARE OPERATIONAL. PROTECT EXISTING BACKBONE CABLING FROM THIS ROOM TO THE MAIN DATA ROOM AT THE COURTHOUSE UNTIL ALL NEW BACKBONE IS INSTALLED AND ALL OTHER DATA ROOMS ARE OPERATIONAL. THEN EXISTING BACKBONE CABLING SHALL BE REMOVED.

ED10 BASE BID, CONTRACTOR SHALL DISCONNECT AND REMOVE ALL VFD'S AND CONDUCTORS SERVING AHUS AND RAF'S. EXISTING PLYWOOD BACKBOARD, CONDUITS, DUCT BANK, AND WALL MOUNTED PULL BOX SHALL REMAIN UNDISTURBED AND SHALL BE MAINTAINED FOR FUTURE VFD REPLACEMENT AND RECONNECTION. DEDUCT ALTERNATE NO 1. - NO WORK.

SEE ALTERNATE NO. 2

SEE ALTERNATE NO. 3

SEE ALTERNATE NO. 1

(E) MCC

(E) LAC

L4A

L4B

1 FOURTH FLOOR PLAN - ELECTRICAL DEMOLITION
SCALE: 1/8" = 1'-0"

NORTH

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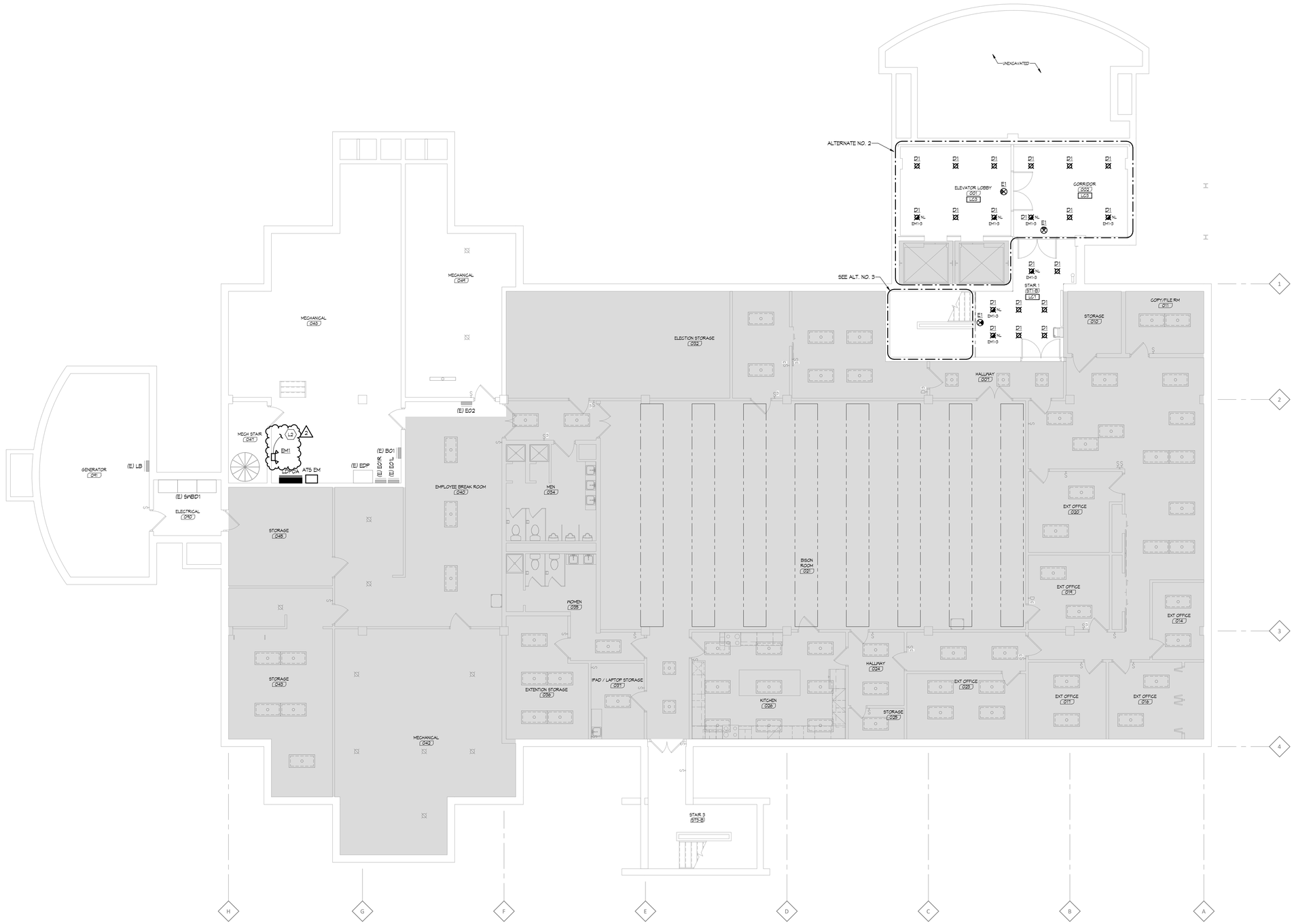
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SHEET
# E104
FOURTH FLOOR PLAN - ELECTRICAL DEMOLITION




1 BASEMENT PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

NORTH

## LIGHTING CONTROL NOTES:

GENERAL NOTES:

A. WINDOW DAYLIGHTING ZONE DEPTH IS AS DEEP AS THE WINDOW HEIGHT FROM THE FLOOR AND WIDTH IS 2'-0" WIDER FROM EACH EDGE OF WINDOW.
B. LUMINAIRES INDICATED WITH "NL" SHALL BE CIRCUITED AS NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
C. PROVIDE POWER PACKS AND ACCESSORIES AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM.
D. OCCUPANCY SENSOR AND PHOTOCELL FUNCTION MAY BE COMBINED INTO ONE DEVICE.
E. WHERE UNDER CABINET LIGHTING CONTROLS ARE NOTED, CONNECT SECONDARY TO ROOM'S OCCUPANCY SENSOR CONTROL. SEE UNDER CABINET LIGHTING CONTROL DETAIL.
F. WHERE DAYLIGHT ZONES ARE SHOWN, PROVIDE AUTOMATIC DIMMING BASED ON AVAILABLE DAYLIGHT PER ECC. EACH ZONE SHALL HAVE A DEDICATED LIGHT SENSOR.

LC3 AUTO-ON/OFF VIA CONTROLLED TIME OF DAY DURING NORMAL BUILDING HOURS OF OPERATION. AUTO-ON/OFF AFTER HOURS VIA CEILING MOUNT DIGITAL ULTRA SONIC OCCUPANCY SENSORS (HALLWAY TYPE) CONTROL FOR AFTER NORMAL HOURS. PROGRAM TIME OUTS FOR 20 MINUTES HALF LUMEN OUTPUT, 80 MINUTES FULL OFF.

LC1 ENCLOSED STAIRWELLS: ON 24/7, FIXTURE ON 100% DURING OCCUPANCY, DIMMED TO 30% LUMEN OUTPUT WHEN STAIRWELL IS UNOCCUPIED, VIA PIR CEILING OR FIXTURE MOUNTED OCCUPANCY SENSORS, TIME OUT 20 MIN, FIXTURE TO FAIL TO 100% LUMEN OUTPUT UPON NORMAL BRANCH POWER FAILURE.

## SHEET NOTES

L2 CONNECT TO NEARBY LIGHTING CIRCUIT. VERIFY EXISTING LOAD.

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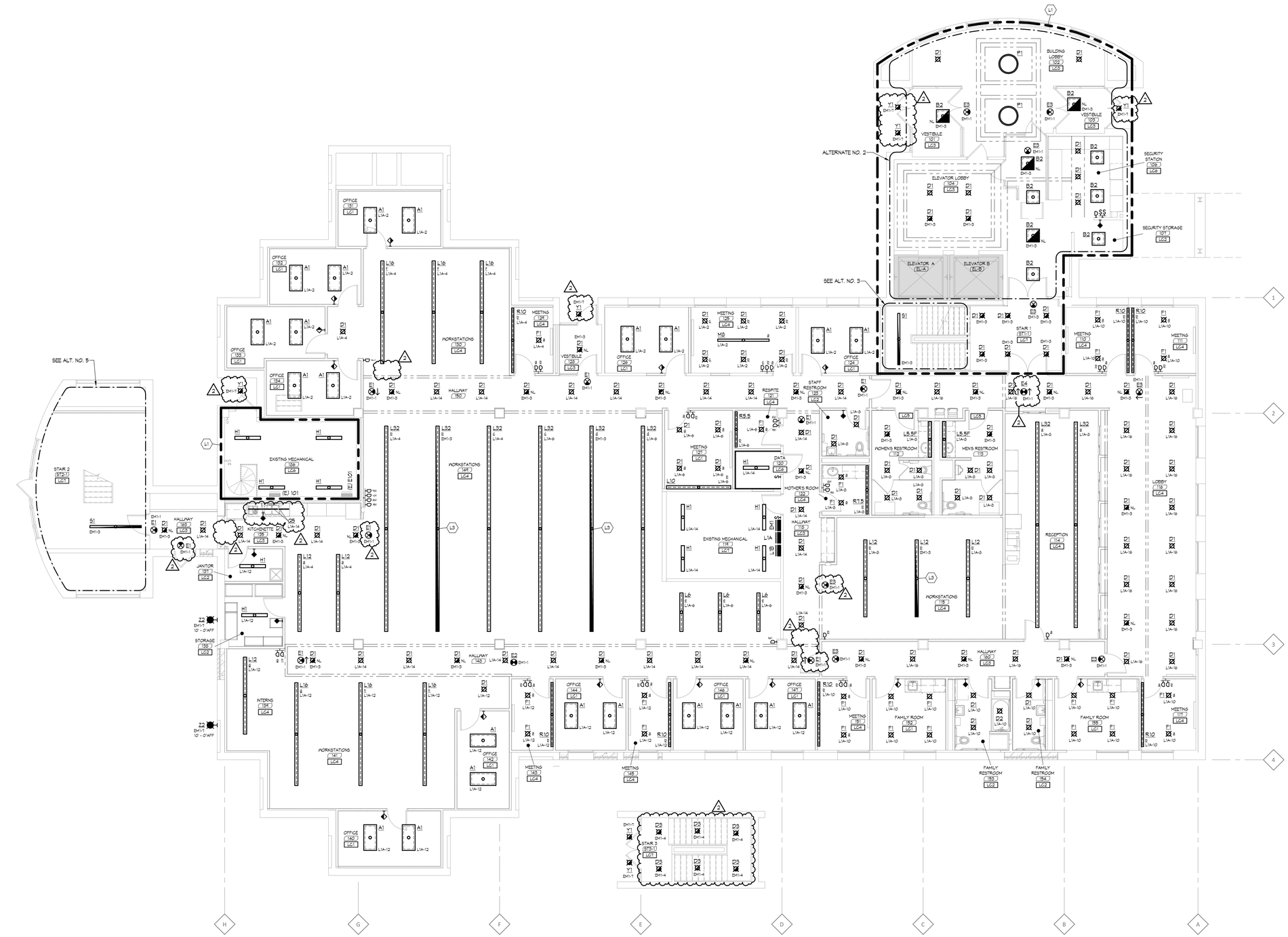
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SHEET
**E200**

**BASEMENT FLOOR PLAN - LIGHTING**

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1 FIRST FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

NORTH

5/20/2026 1:43:49 PM

## LIGHTING CONTROL NOTES:

GENERAL NOTES:

A. WINDOW DAYLIGHTING ZONE DEPTH IS AS DEEP AS THE WINDOW HEIGHT FROM THE FLOOR AND WIDTH IS 2'-0" WIDER FROM EACH EDGE OF WINDOW.
B. LUMINARES INDICATED WITH "NL" SHALL BE CIRCUITED AS NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
C. PROVIDE POWER PACKS AND ACCESSORIES AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM.
D. OCCUPANCY SENSOR AND PHOTOCELL FUNCTION MAY BE COMBINED INTO ONE DEVICE.
E. WHERE UNDER CABINET LIGHTING CONTROLS ARE NOTED, CONNECT SECONDARY TO ROOM'S OCCUPANCY SENSOR CONTROL. SEE UNDER CABINET LIGHTING CONTROL DETAIL.
F. WHERE DAYLIGHT ZONES ARE SHOWN, PROVIDE AUTOMATIC DIMMING BASED ON AVAILABLE DAYLIGHT PER ECC. EACH ZONE SHALL HAVE A DEDICATED LIGHT SENSOR.

LC1 MANUAL ON/OFF / DIMMING VIA STAND ALONE DUAL TECHNOLOGY WITH INTEGRAL 0-10V DIMMING.
LC2 MANUAL ON/OFF, AUTO-OFF VIA WALL MOUNT STAND ALONE PIR OCCUPANCY SENSOR. PROGRAM FOR 10MIN TIME-OUT.
LC3 AUTO-ON/OFF VIA CONTROLLED TIME OF DAY DURING NORMAL BUILDING HOURS OF OPERATION. AUTO-ON/OFF AFTER HOURS VIA CEILING MOUNT DIGITAL ULTRA SONIC OCCUPANCY SENSORS (HALLWAY TYPE) CONTROL FOR AFTER NORMAL HOURS. PROGRAM TIME OUTS FOR 20 MINUTES HALF LUMEN OUTPUT, 80 MINUTES FULL OFF.
LC4 MANUAL ON/OFF, AUTO-OFF VIA DIGITAL WALL CONTROLLER(S) AND CEILING/CORNER MOUNT DIGITAL DUAL TECHNOLOGY SENSORS.
LC5 AUTO - ON/OFF VIA STAND ALONE CEILING SENSORS, ONE PIR NEAR ROOM ENTRANCE, AND ONE DIRECTIONAL MICROPHONIC/ULTRA SONIC DIRECTED OVER URINAL/TOILET PARTITIONS.
LC6 FOR SAFETY OF PERSONNEL, LINE VOLTAGE MANUAL ON/OFF ONLY. CONTROLS ARE AS INDICATED ON FLOOR PLAN. INCLUDE 3-WAY AND 4-WAY SWITCHING WHERE MULTIPLE CONTROL LOCATIONS ARE SHOWN.
LC7 ENCLOSED STAIRWELLS: ON 24/7, FIXTURE ON 100% DURING OCCUPANCY, DIMMED TO 30% LUMEN OUTPUT WHEN STAIRWELL IS UNOCCUPIED, VIA PIR CEILING OR FIXTURE MOUNTED OCCUPANCY SENSORS. TIME OUT 20 MIN. FIXTURE TO FAIL TO 100% LUMEN OUTPUT UPON NORMAL BRANCH POWER FAILURE.

## SHEET NOTES

L1 NEW LIGHTING SHALL BE CONNECTED TO EXISTING CIRCUITS WITHIN THE AREA. EXISTING LIGHTING CONTROLS SHALL BE REPLACED ON A ONE-FOR-ONE BASIS UNLESS NOTED OTHERWISE. PROVIDE ADDITIONAL WIRE AS REQUIRED FOR NEW DIMMING WALL CONTROLS WHERE APPLICABLE.
L3 PROVIDE ULI24 RELAY TO CONTROL THE FIXTURE ON EMERGENCY POWER. RELAY SHALL ALLOW THE FIXTURE TO BE CONTROLLED WITH THE ADJACENT FIXTURES (SWITCHED OR DIMMING) UNDER NORMAL CONDITIONS BUT SHALL DRIVE THE FIXTURE TO 100% IF NORMAL POWER IS LOST.

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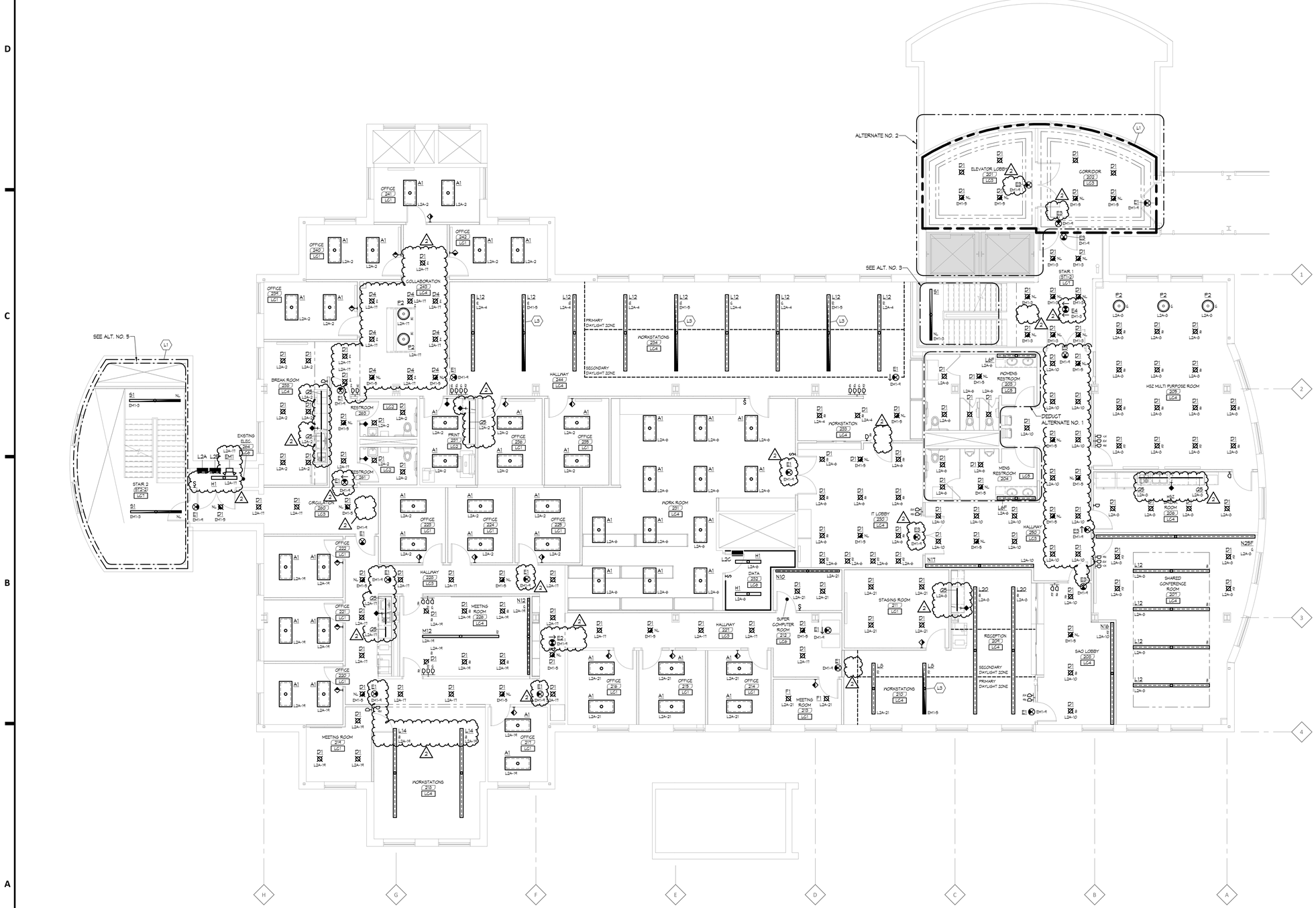
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SHEET
**E201**

**FIRST FLOOR PLAN - LIGHTING**




1 SECOND FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

NORTH

## LIGHTING CONTROL NOTES:

GENERAL NOTES:

A. WINDOW DAYLIGHTING ZONE DEPTH IS AS DEEP AS THE WINDOW HEIGHT FROM THE FLOOR AND WIDTH IS 2'-0" WIDER FROM EACH EDGE OF WINDOW.
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LC1 MANUAL ON/OFF / DIMMING VIA STAND ALONE DUAL TECHNOLOGY WITH INTEGRAL 0-10V DIMMING.

LC2 MANUAL ON/OFF, AUTO-OFF VIA WALL MOUNT STAND ALONE PIR OCCUPANCY SENSOR. PROGRAM FOR 10MIN TIME-OUT.

LC3 AUTO-ON/OFF VIA CONTROLLED TIME OF DAY DURING NORMAL BUILDING HOURS OF OPERATION. AUTO-ON/OFF AFTER HOURS VIA CEILING MOUNT DIGITAL ULTRA SONIC OCCUPANCY SENSORS (HALLWAY TYPE) CONTROL FOR AFTER NORMAL HOURS. PROGRAM TIME OUTS FOR 20 MINUTES HALF LUMEN OUTPUT, 80 MINUTES FULL OFF.

LC4 MANUAL ON/OFF, AUTO-OFF VIA DIGITAL WALL CONTROLLER(S) AND CEILING/CORNER MOUNT DIGITAL DUAL TECHNOLOGY SENSORS.

LC5 AUTO - ON/OFF VIA STAND ALONE CEILING SENSORS, ONE PIR NEAR ROOM ENTRANCE, AND ONE DIRECTIONAL MICROPHONIC/ULTRA SONIC DIRECTED OVER URINAL/TOILET PARTITIONS.

LC6 FOR SAFETY OF PERSONNEL, LINE VOLTAGE MANUAL ON/OFF ONLY. CONTROLS ARE AS INDICATED ON FLOOR PLAN. INCLUDE 3-WAY AND 4-WAY SWITCHING WHERE MULTIPLE CONTROL LOCATIONS ARE SHOWN.

LC7 ENCLOSED STAIRWELLS: ON 24/7, FIXTURE ON 100% DURING OCCUPANCY, DIMMED TO 30% LUMEN OUTPUT WHEN STAIRWELL IS UNOCCUPIED, VIA PIR CEILING OR FIXTURE MOUNTED OCCUPANCY SENSORS, TIME OUT 20 MIN. FIXTURE TO FAIL TO 100% LUMEN OUTPUT UPON NORMAL BRANCH POWER FAILURE.

## SHEET NOTES

L1 NEW LIGHTING SHALL BE CONNECTED TO EXISTING CIRCUITS WITHIN THE AREA. EXISTING LIGHTING CONTROLS SHALL BE REPLACED ON A ONE-FOR-ONE BASIS UNLESS NOTED OTHERWISE. PROVIDE ADDITIONAL WIRE AS REQUIRED FOR NEW DIMMING WALL CONTROLS WHERE APPLICABLE.

L3 PROVIDE UL924 RELAY TO CONTROL THE FIXTURE ON EMERGENCY POWER. RELAY SHALL ALLOW THE FIXTURE TO BE CONTROLLED WITH THE ADJACENT FIXTURES (SWITCHED OR DIMMING) UNDER NORMAL CONDITIONS BUT SHALL DRIVE THE FIXTURE TO 100% IF NORMAL POWER IS LOST.

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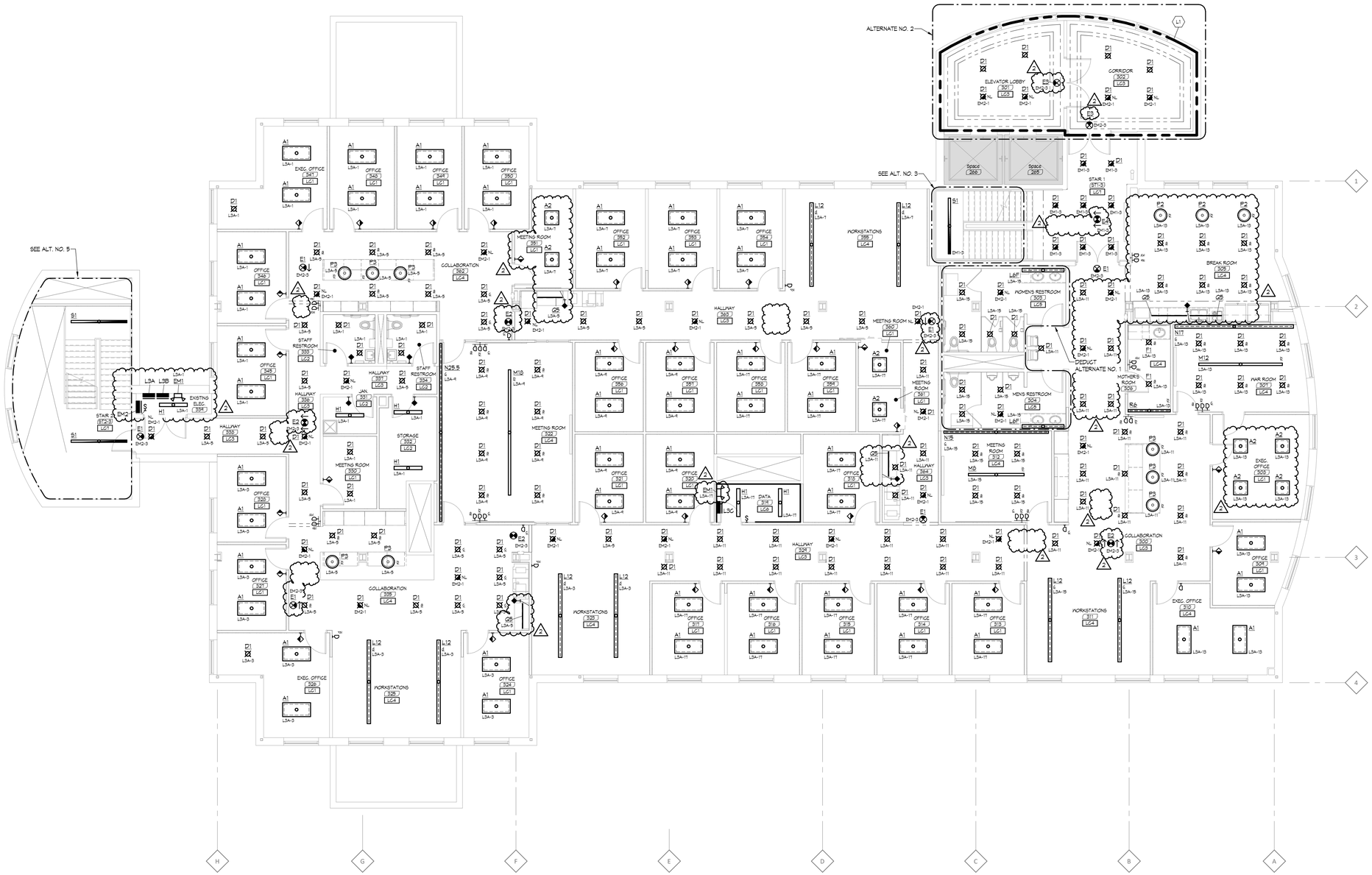
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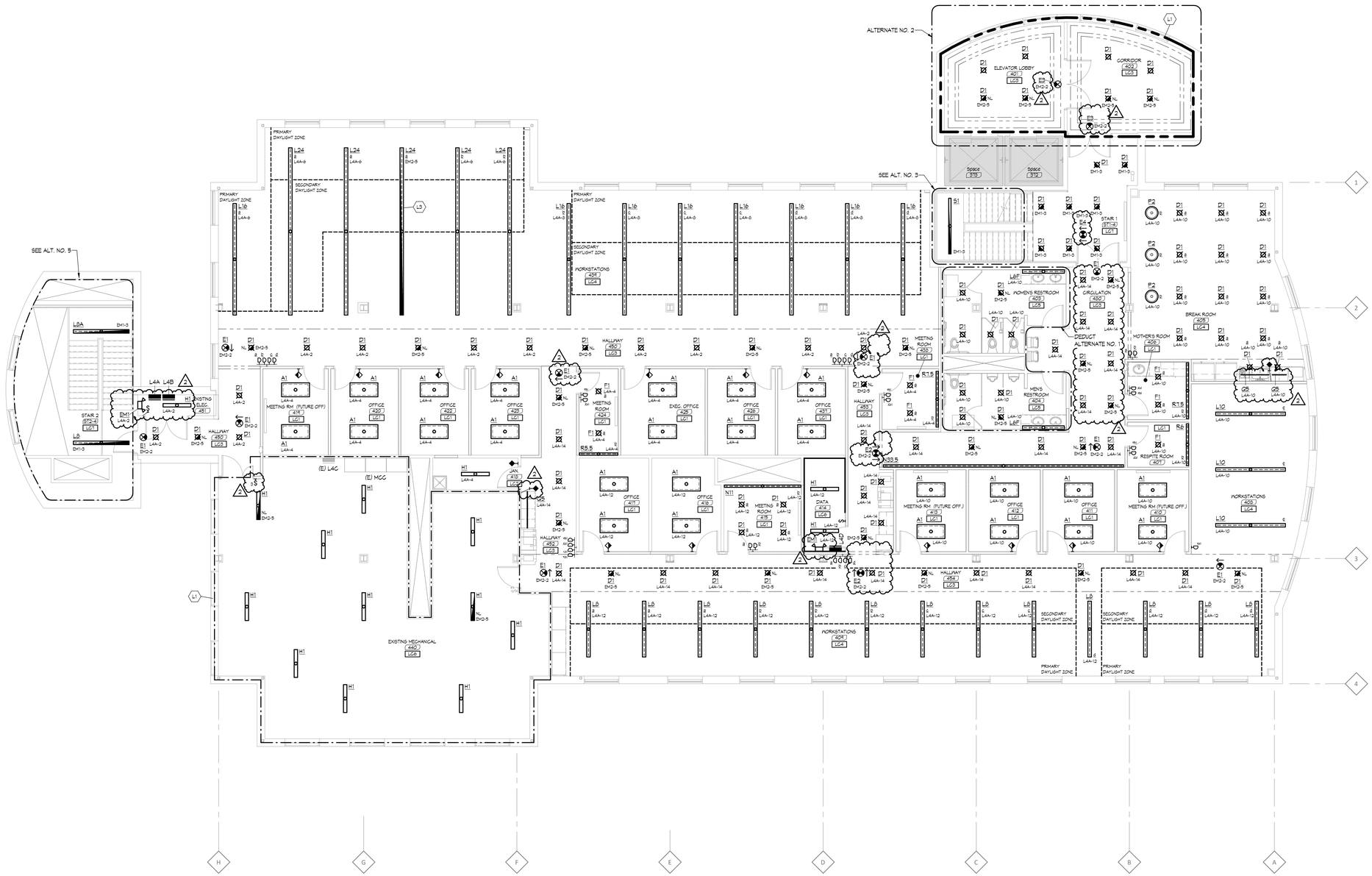
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SHEET
**E202**
**SECOND FLOOR PLAN - LIGHTING**

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ALTERNATE NO. 2
SEE ALT. NO. 3
SEE ALT. NO. 5
ELEVATOR LOBBY 301 LG3
CORRIDOR 302 LG3
Space 286
Space 285
STAIR 1 ST1-3 LG1
WORKSTATIONS 395 LG4
MEETING ROOM 381 LG1
COLLABORATION 382 LG4
HALLWAY 383 LG3
MEETING ROOM 300 LG1
WOMENS RESTROOM 303 LG6
MENS RESTROOM 304 LG6
BREAK ROOM 305 LG4
MOTHERS ROOM 306 LG6
PARTICIPANT ALTERNATE NO. 1
MEETING ROOM 319 LG4
EXEC. OFFICE 308 LG1
EXEC. OFFICE 309 LG4
COLLABORATION 320 LG3
WORKSTATIONS 311 LG4
EXEC. OFFICE 310 LG4
OFFICE 347 LG1
OFFICE 348 LG1
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OFFICE 346 LG1
EXEC. OFFICE 345 LG1
STAFF RESTROOM 333 LG2
HALLWAY 331 LG3
STAFF RESTROOM 334 LG2
JAN. 332 LG2
HALLWAY 335 LG3
HALLWAY 336 LG3
STAIR 3 ST2-3 LG1
ELEC. 358
EXISTING ELEC. 359
STORAGE 332 LG2
MEETING ROOM 330 LG1
MEETING ROOM 329 LG4
OFFICE 327 LG1
OFFICE 328 LG1
COLLABORATION 338 LG4
EXEC. OFFICE 326 LG1
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DATA 314 LG6
WORKSTATIONS 312 LG4
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EXEC. OFFICE 310 LG4
BREAK ROOM 309 LG4
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COLLABORATION 338 LG4
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WORKSTATIONS 328 LG4
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WORKSTATIONS 311 LG4
WORKSTATIONS 312 LG4
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HALLWAY 324 LG3
HALLWAY 383 LG3
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STAFF RESTROOM 334 LG2
JAN. 332 LG2
MEN'S RESTROOM 304 LG6
WOMEN'S RESTROOM 303 LG6
MOTHER'S ROOM 306 LG6
DATA 314 LG6
BREAK ROOM 305 LG4
BAR ROOM 307 LG4
STAIR 3 ST2-3 LG1
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1 FOURTH FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

NORTH

## LIGHTING CONTROL NOTES:

GENERAL NOTES:

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LC4 MANUAL ON/OFF, AUTO-OFF VIA DIGITAL WALL CONTROLLER(S) AND CEILING/CORNER MOUNT DIGITAL DUAL TECHNOLOGY SENSORS.

LC5 AUTO - ON/OFF VIA STAND ALONE CEILING SENSORS, ONE PIR NEAR ROOM ENTRANCE, AND ONE DIRECTIONAL MICROPHONIC/ULTRA SONIC DIRECTED OVER URINAL/TOILET PARTITIONS.

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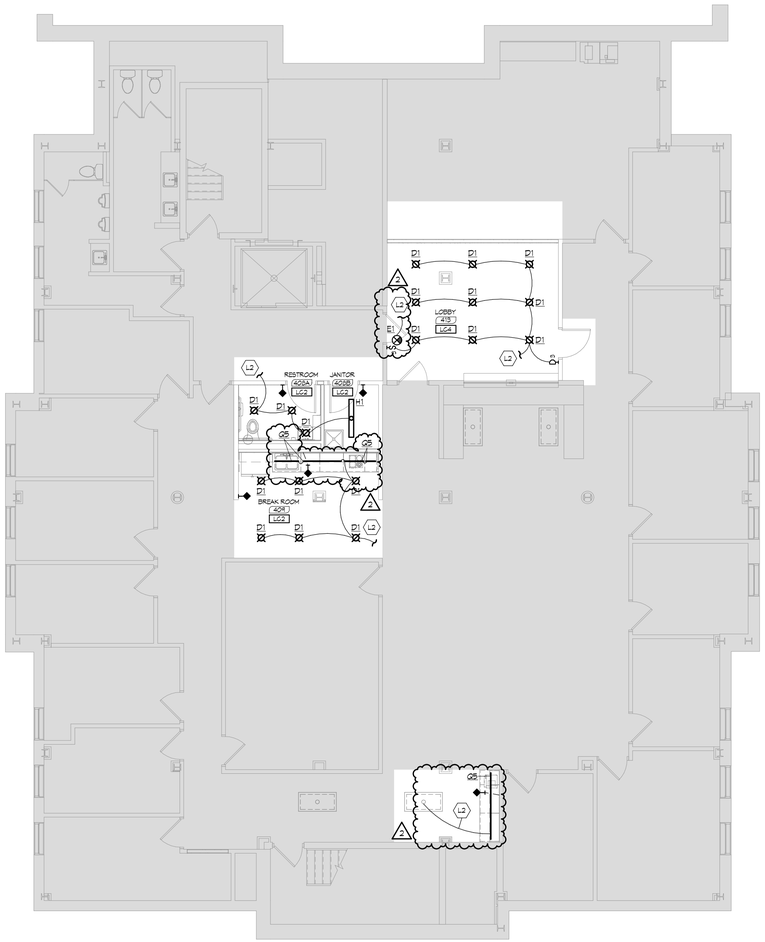
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SHEET
# E204
FOURTH FLOOR PLAN - LIGHTING

5/20/2026 1:44:00 PM




NORTH

1 COURTHOUSE FOURTH FLOOR - LIGHTING - ALTERNATE NO 10

SCALE: 1/8" = 1'-0"

## LIGHTING CONTROL NOTES:

GENERAL NOTES:

A. WINDOW DAYLIGHTING ZONE DEPTH IS AS DEEP AS THE WINDOW HEIGHT FROM THE FLOOR AND WIDTH IS 2'-0" WIDER FROM EACH EDGE OF WINDOW.
B. LUMINARES INDICATED WITH "NL" SHALL BE CIRCUITED AS NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
C. PROVIDE POWER PACKS AND ACCESSORIES AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM.
D. OCCUPANCY SENSOR AND PHOTOCELL FUNCTION MAY BE COMBINED INTO ONE DEVICE.
E. WHERE UNDER CABINET LIGHTING CONTROLS ARE NOTED, CONNECT SECONDARY TO ROOM'S OCCUPANCY SENSOR CONTROL. SEE UNDER CABINET LIGHTING CONTROL DETAIL.
F. WHERE DAYLIGHT ZONES ARE SHOWN, PROVIDE AUTOMATIC DIMMING BASED ON AVAILABLE DAYLIGHT PER ECC. EACH ZONE SHALL HAVE A DEDICATED LIGHT SENSOR.

LC2 MANUAL ON/OFF, AUTO-OFF VIA WALL MOUNT STAND ALONE PIR OCCUPANCY SENSOR. PROGRAM FOR 10MIN TIME-OUT.

LC4 MANUAL ON/OFF, AUTO-OFF VIA DIGITAL WALL CONTROLLER(S) AND CEILING/CORNER MOUNT DIGITAL DUAL TECHNOLOGY SENSORS.

## ALTERNATE GENERAL NOTES:

A. INCLUDE ALL WORK UNDER ALTERNATE NO. 10.

## SHEET NOTES

L2 CONNECT TO NEARBY LIGHTING CIRCUIT. VERIFY EXISTING LOAD.

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**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM2 | 05.20.26 |

REGISTERED PROFESSIONAL ENGINEER
ANTHONY R. NELSON
PE - 8251
DATE 05/20/2026
NORTH DAKOTA

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2nd AVE S., FARGO, ND 58103

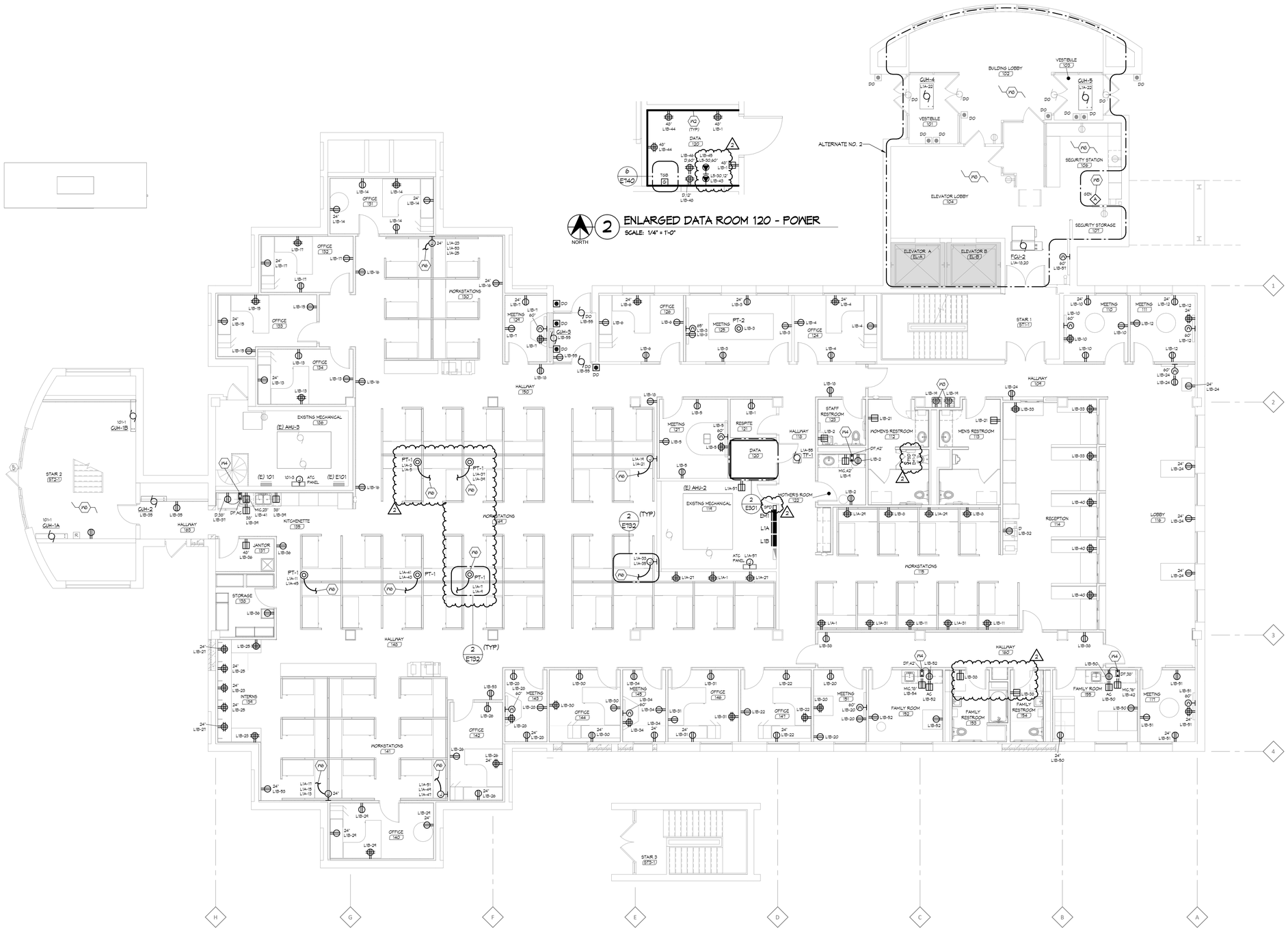
DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
2025217

SHEET
E214
COURTHOUSE FOURTH FLOOR - LIGHTING - ALTERNATE NO 10

5/20/2026 1:44:01 PM




## 2 ENLARGED DATA ROOM 120 - POWER

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

## 1 FIRST FLOOR PLAN - POWER

SCALE: 1/8" = 1'-0"

## GENERAL NOTES

A. RECEPTACLES LOCATED ALONG EXTERIOR WALLS WITH HYDRONIC FIN-TUBE RADIATION SHALL BE INSTALLED ABOVE THE RADIATION. INDICATED MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE FIELD-COORDINATED WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN.

## SHEET NOTES

N2 PROVIDE 3/4" TYPE AC PLYWOOD BACKBOARD OVER AREA SHOWN IN ROOM FROM 6" AFF TO 8'-6" AFF. EC SHALL PAINT WITH TWO (2) COATS FIRE RESISTANT GRAY ENAMEL.

N3 PROVIDE A RECEPTACLE MOUNTED INTO THE BACKPLATE OF ELECTRIC WATER COOLER. GFCI PROTECTION PROVIDED BY GFCI BREAKER. COORDINATE REQUIRED LOCATION OF RECEPTACLE WITH THE EWC INSTALLER PRIOR TO ROUGH-IN AND INSTALL SO ALL CORDS ARE CONCEALED. NO EXPOSED CORDS WILL BE ACCEPTABLE.

N4 PROVIDE DEAD FRONT GFCI PROTECTS DOWNSTREAM INACCESSIBLE RECEPTACLE / POWER CONNECTION. LOCATION TO BE ADJACENT AT SAME ELEVATION UNLESS NOTED OTHERWISE.

N5 INSTALL EXISTING GENERATOR ANNUNCIATOR AT THIS LOCATION. PROVIDE NEW ANNUNCIATOR WIRING BACK TO THE EXISTING GENERATOR CONTROL PANEL. EXTEND EXISTING CONDUIT AS NECESSARY.

N6 PROVIDE FLEXIBLE POWER WHIP TO ELECTRIFIED MODULAR FURNITURE BASE. PROVIDE 90° CONNECTOR AT FLOOR BOX FURNITURE COVER OR WALL MOUNTED JUNCTION BOX. SEE MODULAR FURNITURE OUTLET DETAIL ON SHEET E640.

N8 PROVIDE NEW 120V, 20A CIRCUIT FROM NEW PANEL TO EXISTING DEVICES. PROVIDE NEW DEVICES AND FACEPLATES. VERIFY REQUIREMENTS.

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ANTHONY R. NELSON
PE - 8251
DATE 05/20/2026
NORTH DAKOTA

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2nd AVE S., FARGO, ND 58103

DATE
**05/06/26**

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
**2025217**

SHEET
**E301**

**FIRST FLOOR PLAN - POWER**

5/20/2026 1:44:04 PM

## GENERAL NOTES

A. RECEPTACLES LOCATED ALONG EXTERIOR WALLS WITH HYDRONIC FIN-TUBE RADIATION SHALL BE INSTALLED ABOVE THE RADIATION. INDICATED MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE FIELD-COORDINATED WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN.

## SHEET NOTES

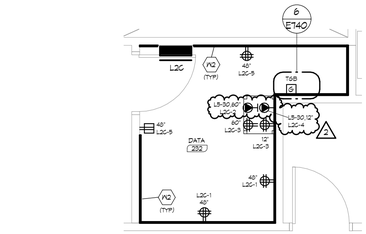
- #1 NEW DEVICE AT EXISTING LOCATION. RECONNECT AS EXISTING.
- #2 PROVIDE 3/4" TYPE AC PLYWOOD BACKBOARD OVER AREA SHOWN IN ROOM FROM 6" AFF TO 8'-6" AFF. EC SHALL PAINT WITH TWO (2) COATS FIRE RESISTANT GRAY ENAMEL.
- #4 PROVIDE DEAD FRONT GFCI PROTECTS DOWNSTREAM INACCESSIBLE RECEPTACLE / POWER CONNECTION. LOCATION TO BE ADJACENT AT SAME ELEVATION UNLESS NOTED OTHERWISE.
- #10 PROVIDE NEW 120V, 20A CIRCUIT FROM NEW PANEL TO EXISTING DEVICES. PROVIDE NEW DEVICES AND FACEPLATES. VERIFY REQUIREMENTS.
- #9 PROVIDE NEW 120V, 20A CIRCUIT FROM NEW PANEL TO EXISTING WATER COOLER. VERIFY REQUIREMENTS. PROVIDE NEW DEVICE. CONNECT TO GFCI BREAKER.
- #11 INSTALL RECEPTACLE SUCH THAT THE TOP OF THE DEVICE PLATE IS 4" BELOW THE COUNTERTOP. COORDINATE ALL ROUGH-IN LOCATIONS WITH THE CASEWORK INSTALLER. ALL REQUIRED OPENINGS SHALL BE PROVIDED BY THE CASEWORK INSTALLER.

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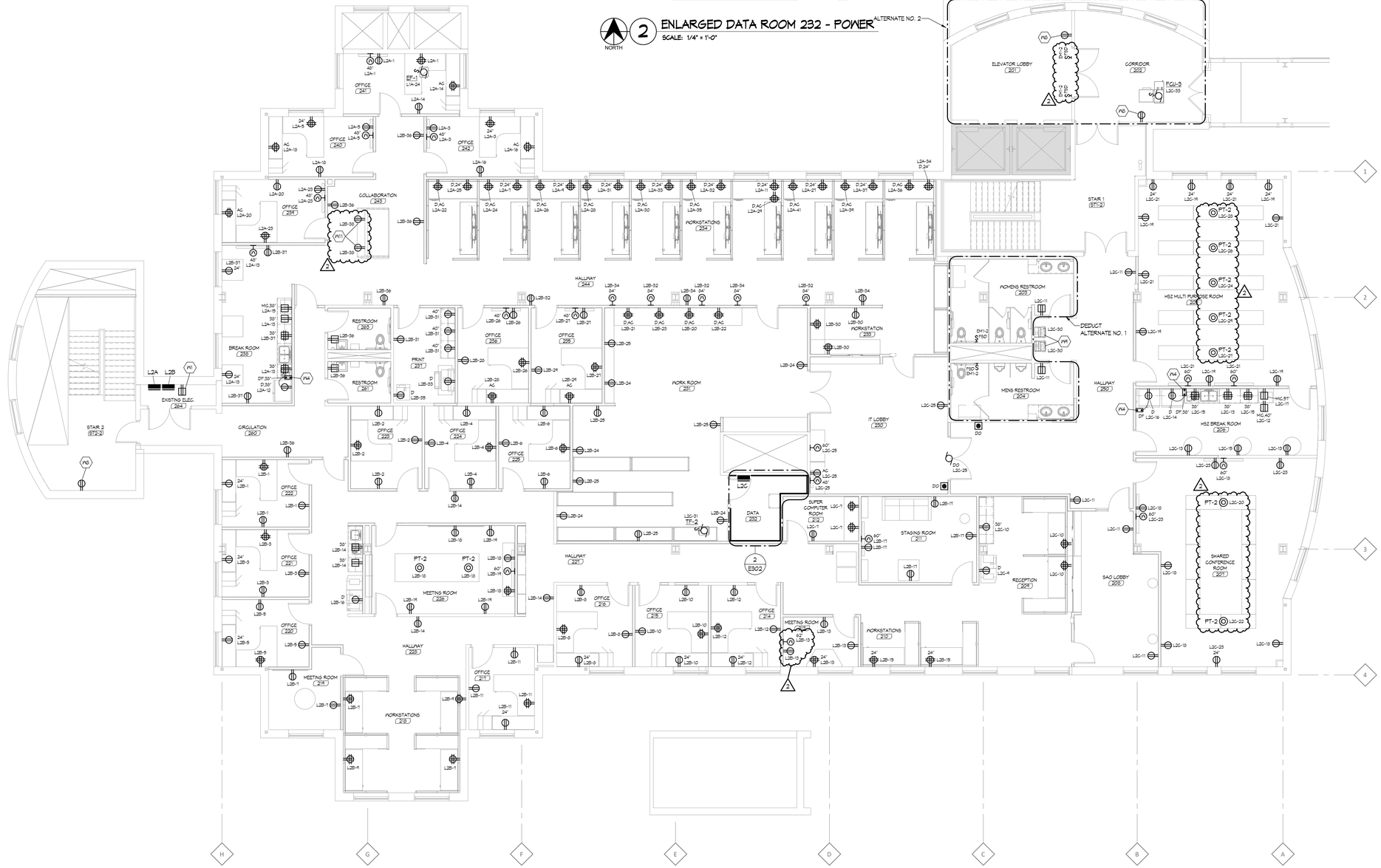
## 2 ENLARGED DATA ROOM 232 - POWER

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




## 1 SECOND FLOOR PLAN - POWER

SCALE: 1/8" = 1'-0"





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CASS COUNTY COURTHOUSE
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05/06/26

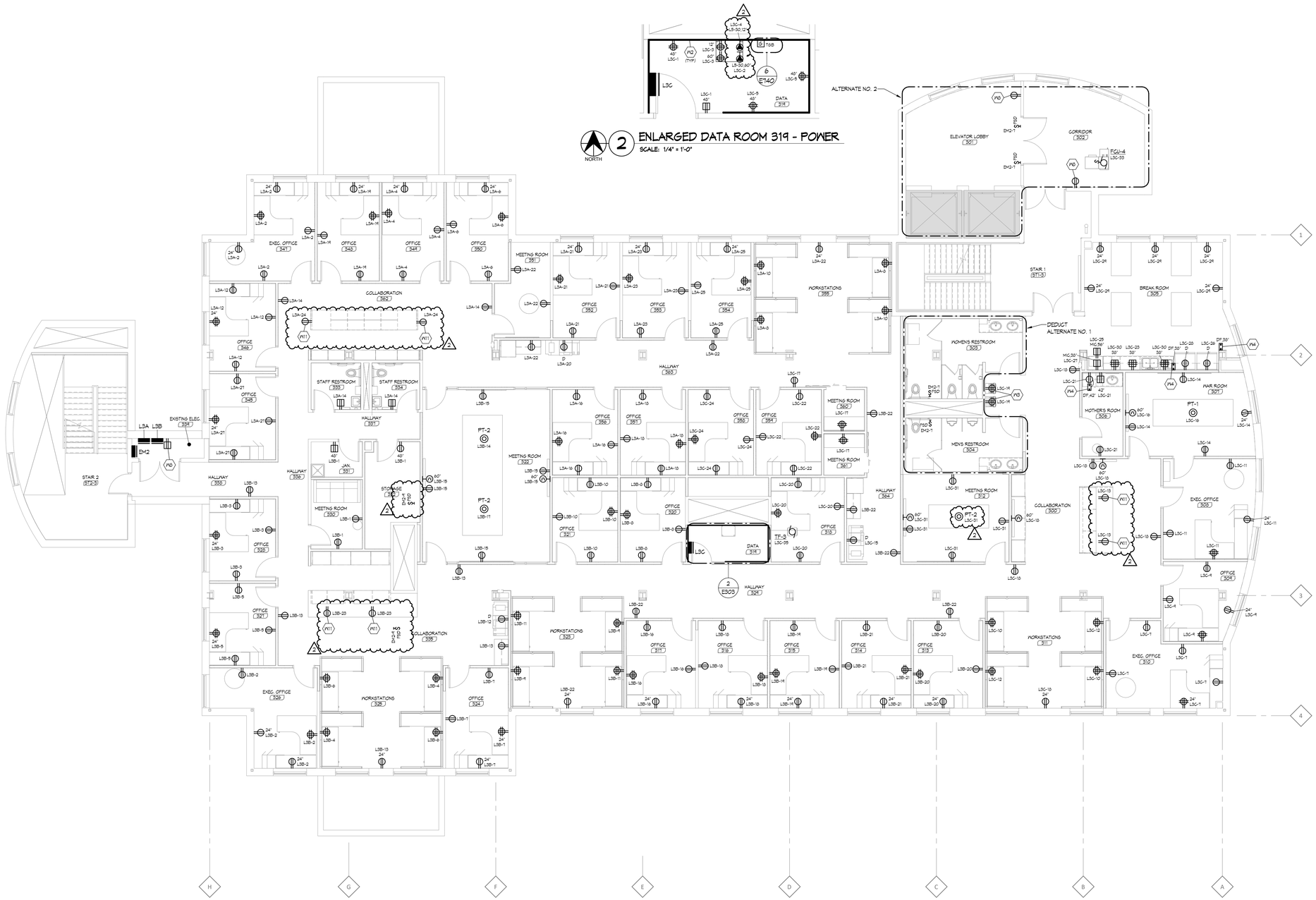
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CONSTRUCTION DOCUMENTS

PROJECT
2025217

SHEET
# E302

SECOND FLOOR PLAN - POWER

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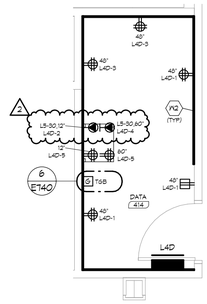

ALTERNATE NO. 2
DEDUCT ALTERNATE NO. 1
ELEVATOR LOBBY 301
CORRIDOR 302
STAIR 1 ST1-3
STAIR 2 ST2-3
EXEC. OFFICE 347
OFFICE 348
OFFICE 349
OFFICE 350
COLLABORATION 352
STAFF RESTROOM 333
STAFF RESTROOM 334
HALLWAY 351
EXISTING ELEC 354
MEETING ROOM 351
OFFICE 355
OFFICE 356
OFFICE 357
OFFICE 358
OFFICE 359
OFFICE 364
WORKSTATIONS 365
HALLWAY 383
WOMENS RESTROOM 305
MENS RESTROOM 304
MEETING ROOM 360
MEETING ROOM 361
HALLWAY 364
MEETING ROOM 312
COLLABORATION 306
BREAK ROOM 309
WAR ROOM 307
MOTHERS ROOM 308
EXEC. OFFICE 305
OFFICE 304
HALLWAY 356
JAN. 351
STORAGE 353
MEETING ROOM 350
MEETING ROOM 352
OFFICE 335
OFFICE 327
EXEC. OFFICE 326
WORKSTATIONS 326
COLLABORATION 336
OFFICE 324
HALLWAY 324
WORKSTATIONS 325
OFFICE 315
OFFICE 316
OFFICE 317
OFFICE 318
OFFICE 319
OFFICE 314
WORKSTATIONS 311
EXEC. OFFICE 310
OFFICE 328
DATA 314
E303
E740
FCU-4
FCU-5
FT-1
FT-2
FT-3
EM2
DN2-1
DP2-1
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## GENERAL NOTES

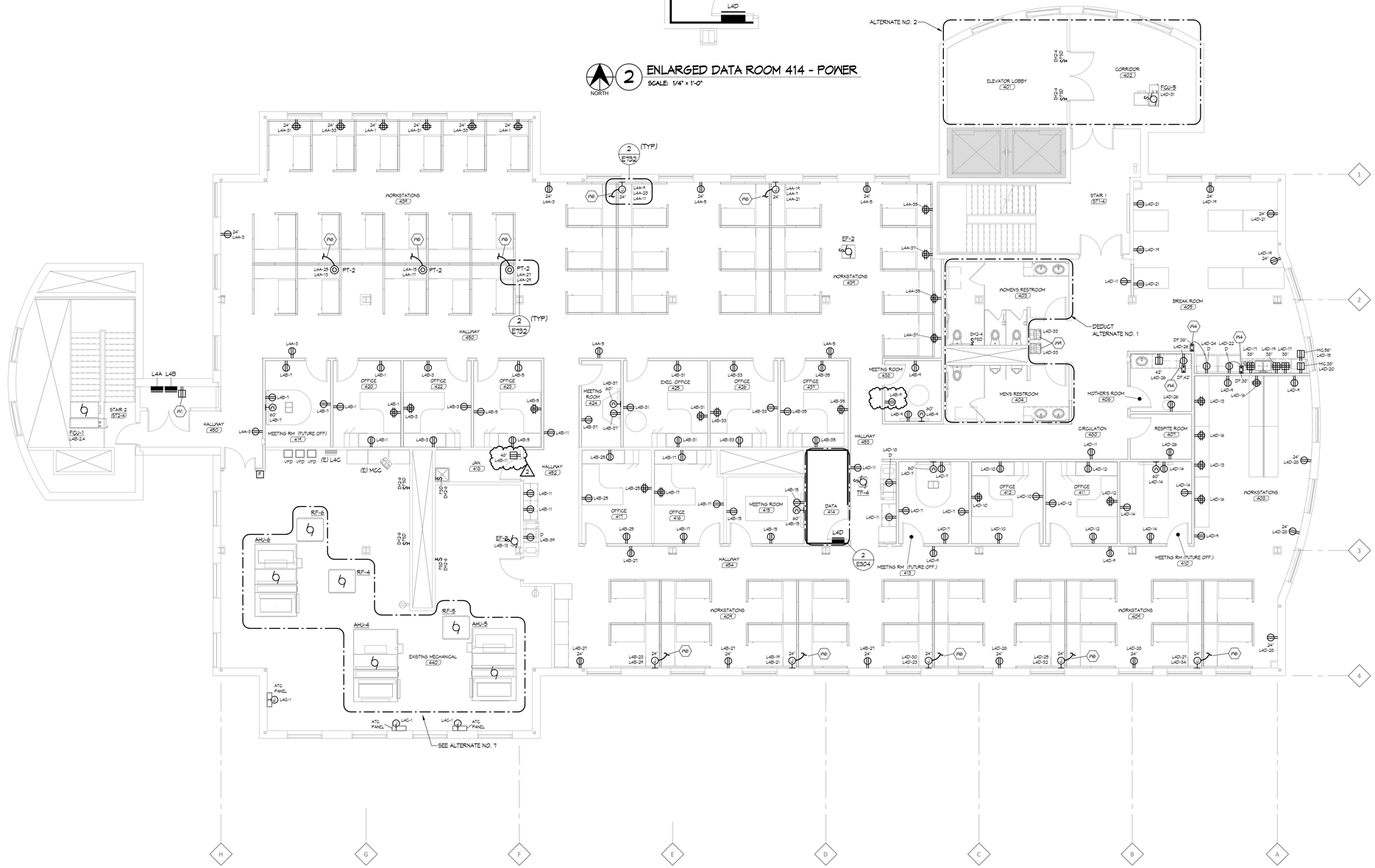
A. RECEPTACLES LOCATED ALONG EXTERIOR WALLS WITH HYDRONIC FIN-TUBE RADIATION SHALL BE INSTALLED ABOVE THE RADIATION. INDICATED MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE FIELD-COORDINATED WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN.

## SHEET NOTES

- #1 NEW DEVICE AT EXISTING LOCATION. RECONNECT AS EXISTING.
- #2 PROVIDE 3/4" TYPE AC PLYWOOD BACKBOARD OVER AREA SHOWN IN ROOM FROM 6" AFF TO 8'-6" AFF. EC SHALL PAINT WITH TWO (2) COATS FIRE RESISTANT GRAY ENAMEL.
- #4 PROVIDE DEAD FRONT GFCI PROTECTS DOWNSTREAM INACCESSIBLE RECEPTACLE / POWER CONNECTION. LOCATION TO BE ADJACENT AT SAME ELEVATION UNLESS NOTED OTHERWISE.
- #6 PROVIDE FLEXIBLE POWER WHIP TO ELECTRIFIED MODULAR FURNITURE BASE. PROVIDE 90° CONNECTOR AT FLOOR BOX FURNITURE COVER OR WALL MOUNTED JUNCTION BOX. SEE MODULAR FURNITURE OUTLET DETAIL ON SHEET E640.
- #9 PROVIDE NEW 120V, 20A CIRCUIT FROM NEW PANEL TO EXISTING WATER COOLER. VERIFY REQUIREMENTS. PROVIDE NEW DEVICE. CONNECT TO GFCI BREAKER.




2 ENLARGED DATA ROOM 414 - POWER
SCALE: 1/4" = 1'-0"




1 FOURTH FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"


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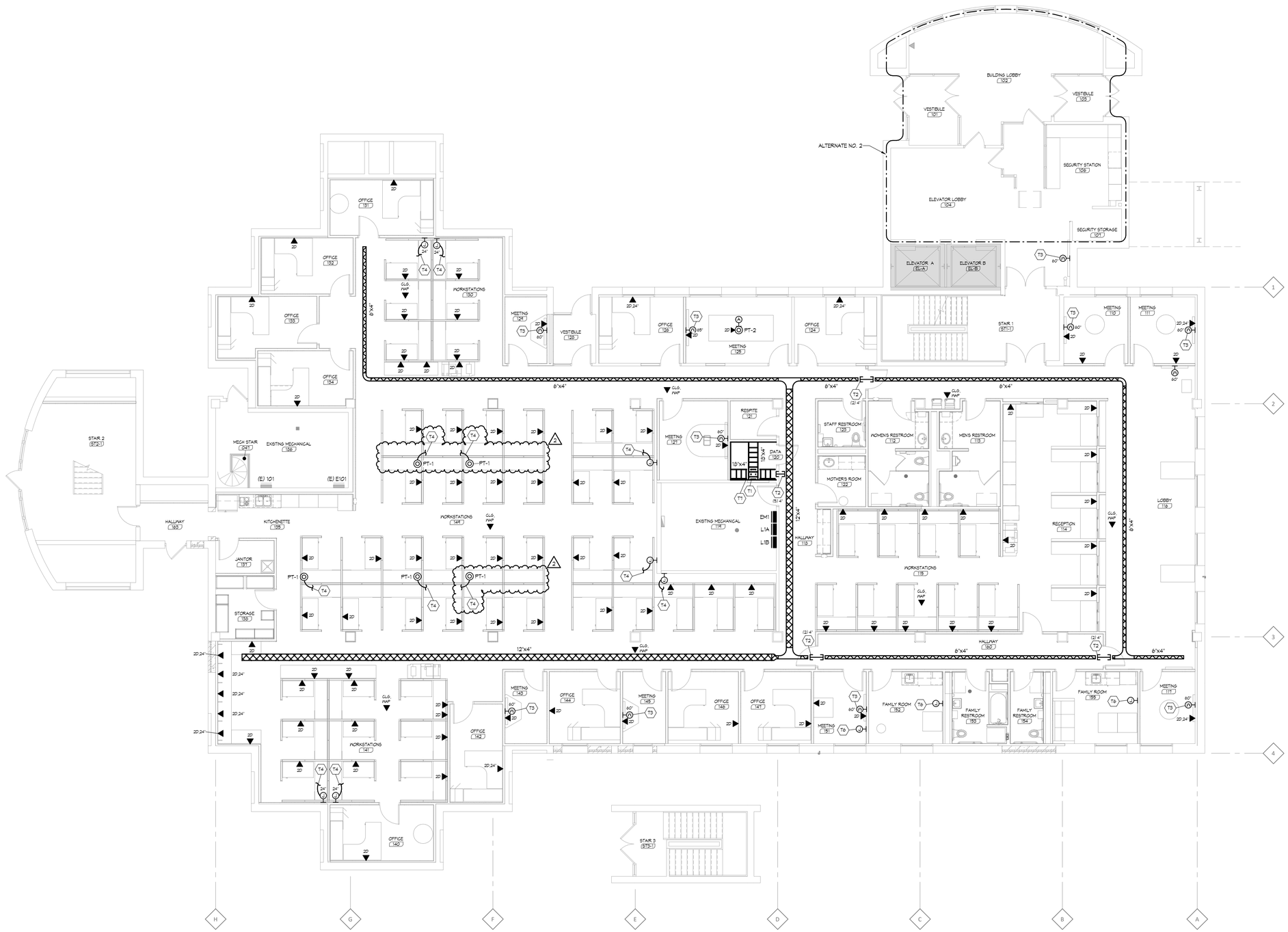
PHASE
CONSTRUCTION DOCUMENTS

PROJECT
2025217

SHEET
# E304

FOURTH FLOOR PLAN - POWER

5/20/2026 1:44:14 PM




## GENERAL NOTES

A. WIRELESS ACCESS POINTS (WAPs) ARE SHOWN DIAGRAMMATICALLY FOR GENERAL COVERAGE. PROVIDE TWO (2) CAT6A CABLES TO EACH WAP LOCATION. FINAL WAP LOCATIONS AND SPACING SHALL BE COORDINATED WITH OWNER AND IT/WIRELESS SYSTEM PROVIDER BASED ON RF REQUIREMENTS AND SITE CONDITIONS.

B. ALL DATA CABLING SHALL BE CAT 6 UNDER BASE BID. PROVIDE CAT 6A UNDER ALTERNATE BID (WAP CABLING SHALL BE CAT6A UNDER BASE BID AND ALTERNATE).

C. DEVICES LOCATED ALONG EXTERIOR WALLS WITH HYDRONIC FIN-TUBE RADIATION SHALL BE INSTALLED ABOVE THE RADIATION. INDICATED MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE FIELD-COORDINATED WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN.

D. PROVIDE A MINIMUM OF 1" CONDUIT SLEEVE THROUGH THE WALL ABOVE CEILING FOR EACH ROOM WITH DATA JACKS SHOWN. PROVIDE PLASTIC BUSHING ON EACH SIDE OF THE CONDUIT. PROVIDE LARGER CONDUIT SLEEVES AS NECESSARY FOR THE QUANTITY OF JACKS SHOWN.

E. EC SHALL FIELD COORDINATE CABLE TRAY ROUTING WITH OTHER TRADES. WHERE POSSIBLE THE BOTTOM OF CABLE TRAY SHALL BE INSTALLED A MINIMUM OF 4-6 INCHES ABOVE CEILING AND BELOW PIPING AND DUCTWORK. CABLE TRAY ROUTING SHOWN IS DIAGRAMMATIC AND APPROXIMATE. FINAL ROUTING SHALL BE ADJUSTED AS REQUIRED TO AVOID CONFLICTS WITH EXISTING CONDITIONS AND OTHER TRADES.

F. ALL LOW VOLTAGE CONDUITS NOT TERMINATED AT A BOX OR EQUIPMENT SHALL HAVE A PLASTIC BUSHING ON THE END TO PROTECT CABLING.

## SHEET NOTES

T1 DATA RACK IS BELOW CABLE TRAY. EC SHALL PROVIDE (1) FLOOR MOUNTED 2-POST DATA RACK.

T2 PROVIDE CONDUIT SLEEVES THROUGH THE WALL ABOVE CEILING FOR LOW VOLTAGE CABLING. PROVIDE PLASTIC BUSHINGS ON EACH SIDE OF THE CONDUIT TO PROTECT CABLING. SIZE AND QUANTITIES ARE AS INDICATED.

T3 RECESSED MONITOR BOX WITH TWO (2) DATA OUTLETS. ELEVATION SHOWN IS APPROXIMATE. EC SHALL REVIEW ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. SEE RECESSED MONITOR BOX DETAIL.

T4 EC SHALL PROVIDE FLEXIBLE LIQUID TIGHT WHIP WITH 90° CONNECTOR FROM FLOOR BOX OR WALL BOX TO MODULAR FURNITURE. DATA JACKS SHOWN INDICATE QUANTITY ONLY. COORDINATE FINAL OUTLET LOCATIONS WITH FURNITURE VENDOR. EXACT OUTLET PLACEMENT IS DESIGN BUILD COORDINATION AND IS NOT DIMENSIONED. SEE MODULAR FURNITURE OUTLET DETAIL SHEET E640. CONDUIT IN THE WALL FROM THE CEILING SPACE TO THE JUNCTION BOX SHALL BE 1-1/4".

T6 PROVIDE 4" SQUARE BACK BOX WITH SINGLE GANG MUD RING AND BLANK COVER. PROVIDE 1" CONDUIT ROUTED TO ACCESSIBLE CEILING SPACE FOR FUTURE OFCI MICROPHONE SYSTEM. EC SHALL VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.

T7 PROVIDE (2) 4" CONDUIT SLEEVES THROUGH THE FLOOR TO THE ROOM BELOW FOR COMMUNICATIONS CABLING. FILL WITH REMOVABLE/RESTORABLE FIRE STOPPING PUTTY.

1 FIRST FLOOR PLAN - TELECOMMUNICATIONS
SCALE: 1/8" = 1'-0"
NORTH

5/20/2026 1:44:17 PM

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| 2 | ADDM2 | 05.20.26 |

REGISTERED PROFESSIONAL ENGINEER
ANTHONY R. NELSON
PE - 8251
DATE 05/20/2026
NORTH DAKOTA

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2nd AVE S., FARGO, ND 58103

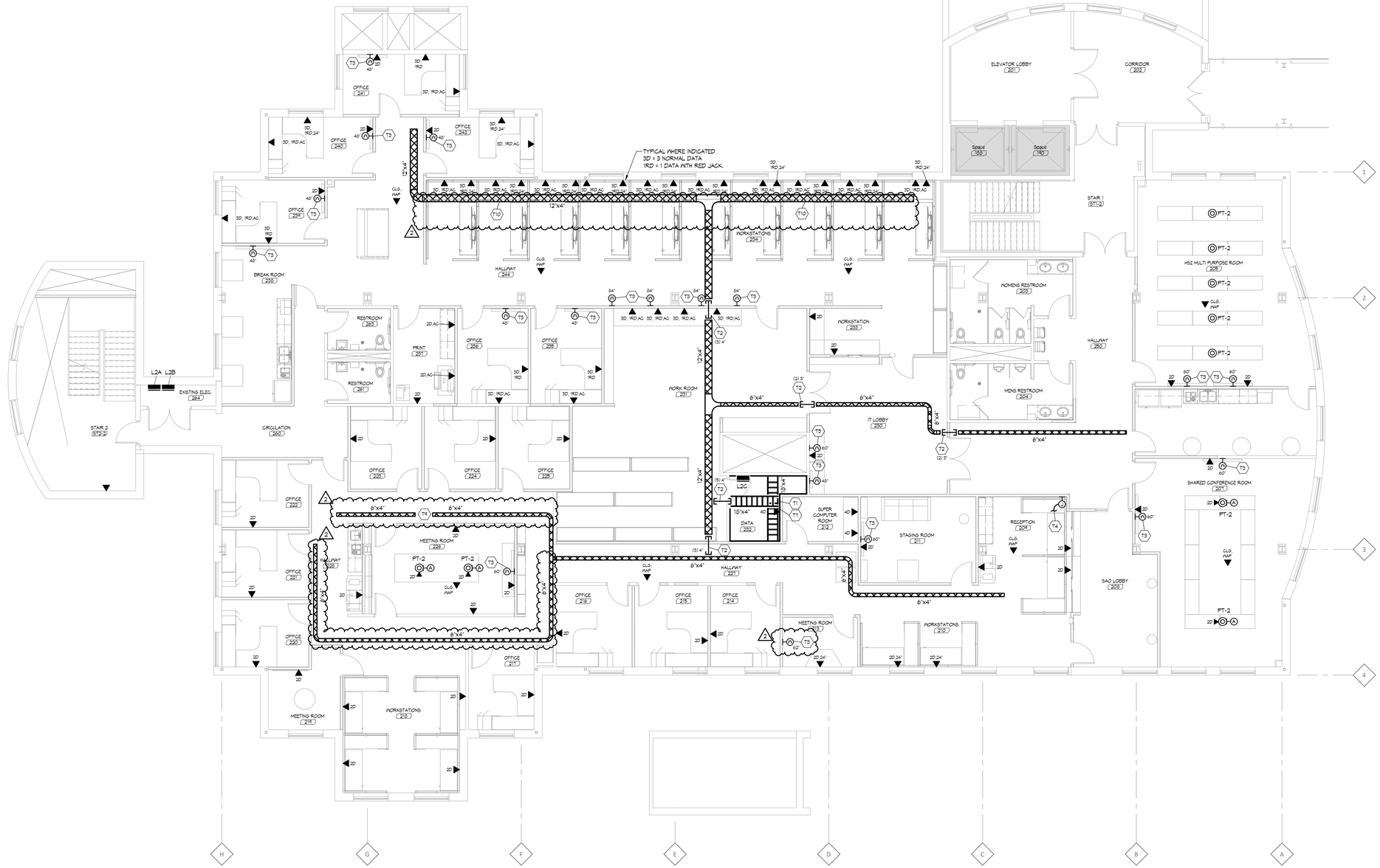
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PHASE
CONSTRUCTION DOCUMENTS

PROJECT
2025217

SHEET
# E401

FIRST FLOOR PLAN - TELECOMMUNICATIONS




1 SECOND FLOOR PLAN - TELECOMMUNICATIONS
SCALE: 1/8" = 1'-0"

NORTH

## GENERAL NOTES

A. WIRELESS ACCESS POINTS (WAPs) ARE SHOWN DIAGRAMMATICALLY FOR GENERAL COVERAGE. PROVIDE TWO (2) CAT6A CABLES TO EACH WAP LOCATION. FINAL WAP LOCATIONS AND SPACING SHALL BE COORDINATED WITH OWNER AND IT/WIRELESS SYSTEM PROVIDER BASED ON RF REQUIREMENTS AND SITE CONDITIONS.

B. ALL DATA CABLING SHALL BE CAT 6 UNDER BASE BID. PROVIDE CAT 6A UNDER ALTERNATE BID (WAP CABLING SHALL BE CAT6A UNDER BASE BID AND ALTERNATE).

C. DEVICES LOCATED ALONG EXTERIOR WALLS WITH HYDRONIC FIN-TUBE RADIATION SHALL BE INSTALLED ABOVE THE RADIATION. INDICATED MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE FIELD-COORDINATED WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN.

D. PROVIDE A MINIMUM OF 1" CONDUIT SLEEVE THROUGH THE WALL ABOVE CEILING FOR EACH ROOM WITH DATA JACKS SHOWN. PROVIDE PLASTIC BUSHING ON EACH SIDE OF THE CONDUIT. PROVIDE LARGER CONDUIT SLEEVES AS NECESSARY FOR THE QUANTITY OF JACKS SHOWN.

E. EC SHALL FIELD COORDINATE CABLE TRAY ROUTING WITH OTHER TRADES. WHERE POSSIBLE THE BOTTOM OF CABLE TRAY SHALL BE INSTALLED A MINIMUM OF 4-6 INCHES ABOVE CEILING AND BELOW PIPING AND DUCTWORK. CABLE TRAY ROUTING SHOWN IS DIAGRAMMATIC AND APPROXIMATE. FINAL ROUTING SHALL BE ADJUSTED AS REQUIRED TO AVOID CONFLICTS WITH EXISTING CONDITIONS AND OTHER TRADES.

F. ALL LOW VOLTAGE CONDUITS NOT TERMINATED AT A BOX OR EQUIPMENT SHALL HAVE A PLASTIC BUSHING ON THE END TO PROTECT CABLING.

## SHEET NOTES

T1 DATA RACK IS BELOW CABLE TRAY. EC SHALL PROVIDE (1) FLOOR MOUNTED 2-POST DATA RACK.

T2 PROVIDE CONDUIT SLEEVES THROUGH THE WALL ABOVE CEILING FOR LOW VOLTAGE CABLING. PROVIDE PLASTIC BUSHINGS ON EACH SIDE OF THE CONDUIT TO PROTECT CABLING. SIZE AND QUANTITIES ARE AS INDICATED.

T3 RECESSED MONITOR BOX WITH TWO (2) DATA OUTLETS. ELEVATION SHOWN IS APPROXIMATE. EC SHALL REVIEW ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. SEE RECESSED MONITOR BOX DETAIL.

T4 EC SHALL PROVIDE FLEXIBLE LIQUID TIGHT WHIP WITH 90° CONNECTOR FROM FLOOR BOX OR WALL BOX TO MODULAR FURNITURE. DATA JACKS SHOWN INDICATE QUANTITY ONLY. COORDINATE FINAL OUTLET LOCATIONS WITH FURNITURE VENDOR. EXACT OUTLET PLACEMENT IS DESIGN BUILD COORDINATION AND IS NOT DIMENSIONED. SEE MODULAR FURNITURE OUTLET DETAIL SHEET E640. CONDUIT IN THE WALL FROM THE CEILING SPACE TO THE JUNCTION BOX SHALL BE 1-1/4".

T7 PROVIDE (2) 4" CONDUIT SLEEVES THROUGH THE FLOOR TO THE ROOM BELOW FOR COMMUNICATIONS CABLING. FILL WITH REMOVABLE/RESTORABLE FIRE STOPPING PUTTY.

T8 PROVIDE BREAK IN CABLE TRAY AT DUCTWORK CONFLICTS. ROUTE CABLING TO SPAN BELOW DUCTWORK AND MAINTAIN CONTINUITY ACROSS THE INTERRUPTION. COORDINATE EXACT CONFIGURATION WITH FIELD CONDITIONS AND OTHER TRADES.

T10 CABLE TRAY LOCATION SHOWN FOR CLARITY. CABLE TRAY TO BE CLOSER TO THE WALL.

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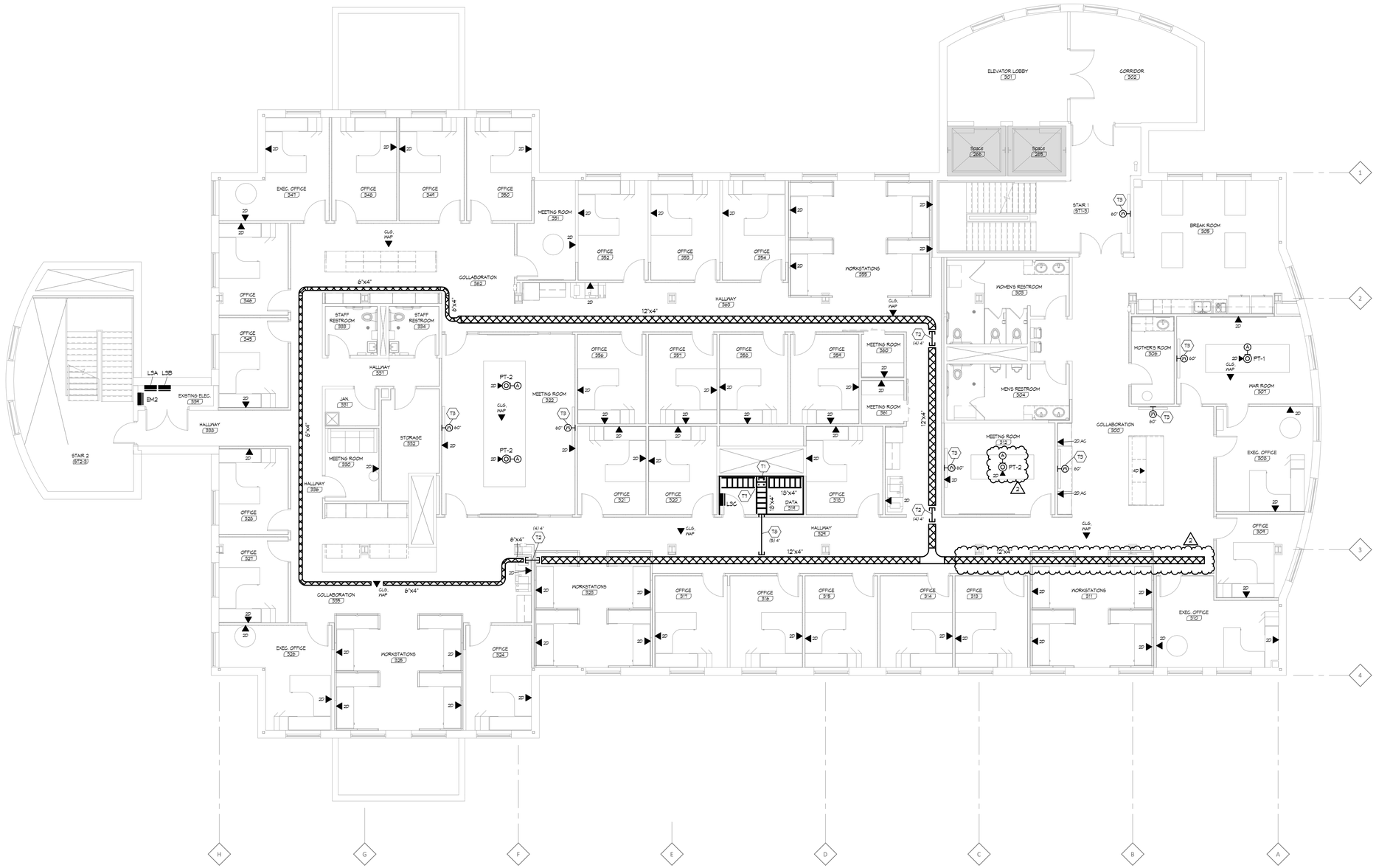
DATE
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CONSTRUCTION DOCUMENTS

PROJECT
2025217

SHEET
# E402
SECOND FLOOR PLAN - TELECOMMUNICATIONS

5/20/2026 1:44:20 PM




1 THIRD FLOOR PLAN - TELECOMMUNICATIONS

SCALE: 1/8" = 1'-0"

NORTH

## GENERAL NOTES

A. WIRELESS ACCESS POINTS (WAPs) ARE SHOWN DIAGRAMMATICALLY FOR GENERAL COVERAGE. PROVIDE TWO (2) CAT6A CABLES TO EACH WAP LOCATION. FINAL WAP LOCATIONS AND SPACING SHALL BE COORDINATED WITH OWNER AND IT/WIRELESS SYSTEM PROVIDER BASED ON RF REQUIREMENTS AND SITE CONDITIONS.

B. ALL DATA CABLING SHALL BE CAT 6 UNDER BASE BID. PROVIDE CAT 6A UNDER ALTERNATE BID (WAP CABLING SHALL BE CAT6A UNDER BASE BID AND ALTERNATE).

C. DEVICES LOCATED ALONG EXTERIOR WALLS WITH HYDRONIC FIN-TUBE RADIATION SHALL BE INSTALLED ABOVE THE RADIATION. INDICATED MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE FIELD-COORDINATED WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN.

D. PROVIDE A MINIMUM OF 1" CONDUIT SLEEVE THROUGH THE WALL ABOVE CEILING FOR EACH ROOM WITH DATA JACKS SHOWN. PROVIDE PLASTIC BUSHING ON EACH SIDE OF THE CONDUIT. PROVIDE LARGER CONDUIT SLEEVES AS NECESSARY FOR THE QUANTITY OF JACKS SHOWN.

E. EC SHALL FIELD COORDINATE CABLE TRAY ROUTING WITH OTHER TRADES. WHERE POSSIBLE THE BOTTOM OF CABLE TRAY SHALL BE INSTALLED A MINIMUM OF 4-6 INCHES ABOVE CEILING AND BELOW PIPING AND DUCTWORK. CABLE TRAY ROUTING SHOWN IS DIAGRAMMATIC AND APPROXIMATE. FINAL ROUTING SHALL BE ADJUSTED AS REQUIRED TO AVOID CONFLICTS WITH EXISTING CONDITIONS AND OTHER TRADES.

F. ALL LOW VOLTAGE CONDUITS NOT TERMINATED AT A BOX OR EQUIPMENT SHALL HAVE A PLASTIC BUSHING ON THE END TO PROTECT CABLING.

## SHEET NOTES

T1 DATA RACK IS BELOW CABLE TRAY. EC SHALL PROVIDE (1) FLOOR MOUNTED 2-POST DATA RACK.

T2 PROVIDE CONDUIT SLEEVES THROUGH THE WALL ABOVE CEILING FOR LOW VOLTAGE CABLING. PROVIDE PLASTIC BUSHINGS ON EACH SIDE OF THE CONDUIT TO PROTECT CABLING. SIZE AND QUANTITIES ARE AS INDICATED.

T3 RECESSED MONITOR BOX WITH TWO (2) DATA OUTLETS. ELEVATION SHOWN IS APPROXIMATE. EC SHALL REVIEW ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. SEE RECESSED MONITOR BOX DETAIL.

T7 PROVIDE (2) 4" CONDUIT SLEEVES THROUGH THE FLOOR TO THE ROOM BELOW FOR COMMUNICATIONS CABLING. FILL WITH REMOVABLE/RESTORABLE FIRE STOPPING PUTTY.

T8 PROVIDE CONDUIT ABOVE INACCESSIBLE CEILING AND THROUGH THE WALL FOR LOW VOLTAGE CABLING. PROVIDE PLASTIC BUSHINGS ON EACH SIDE OF THE CONDUIT TO PROTECT CABLING. SIZE AND QUANTITIES ARE AS INDICATED.

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REGISTERED PROFESSIONAL ENGINEER
ANTHONY R. NELSON
PE - 8251
DATE 05/20/2026
NORTH DAKOTA

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2nd AVE S., FARGO, ND 58103

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05/06/26

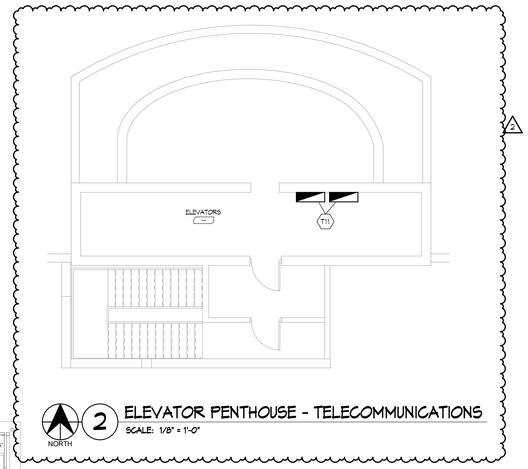
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CONSTRUCTION DOCUMENTS

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2025217

SHEET
# E403

THIRD FLOOR PLAN - TELECOMMUNICATIONS

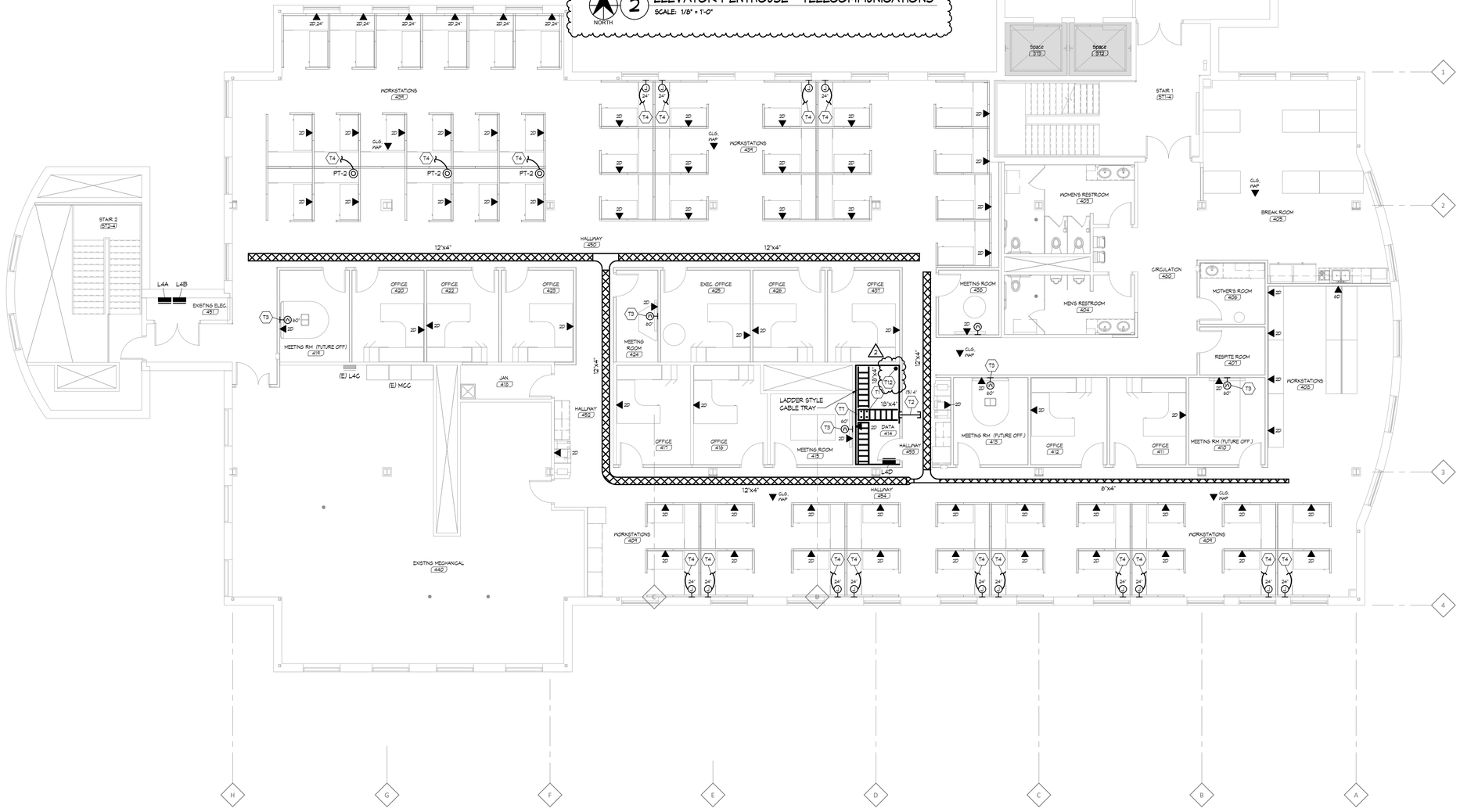
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NORTH

## 2 ELEVATOR PENTHOUSE - TELECOMMUNICATIONS

SCALE: 1/8" = 1'-0"




NORTH

## 1 FOURTH FLOOR PLAN - TELECOMMUNICATIONS

SCALE: 1/8" = 1'-0"

## GENERAL NOTES

A. WIRELESS ACCESS POINTS (WAPs) ARE SHOWN DIAGRAMMATICALLY FOR GENERAL COVERAGE. PROVIDE TWO (2) CAT6A CABLES TO EACH WAP LOCATION. FINAL WAP LOCATIONS AND SPACING SHALL BE COORDINATED WITH OWNER AND IT/WIRELESS SYSTEM PROVIDER BASED ON RF REQUIREMENTS AND SITE CONDITIONS.

B. ALL DATA CABLING SHALL BE CAT 6 UNDER BASE BID. PROVIDE CAT 6A UNDER ALTERNATE BID (WAP CABLING SHALL BE CAT6A UNDER BASE BID AND ALTERNATE).

C. DEVICES LOCATED ALONG EXTERIOR WALLS WITH HYDRONIC FIN-TUBE RADIATION SHALL BE INSTALLED ABOVE THE RADIATION. INDICATED MOUNTING HEIGHTS ARE APPROXIMATE AND SHALL BE FIELD-COORDINATED WITH THE MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN.

D. PROVIDE A MINIMUM OF 1" CONDUIT SLEEVE THROUGH THE WALL ABOVE CEILING FOR EACH ROOM WITH DATA JACKS SHOWN. PROVIDE PLASTIC BUSHING ON EACH SIDE OF THE CONDUIT. PROVIDE LARGER CONDUIT SLEEVES AS NECESSARY FOR THE QUANTITY OF JACKS SHOWN.

E. EC SHALL FIELD COORDINATE CABLE TRAY ROUTING WITH OTHER TRADES. WHERE POSSIBLE THE BOTTOM OF CABLE TRAY SHALL BE INSTALLED A MINIMUM OF 4-6 INCHES ABOVE CEILING AND BELOW PIPING AND DUCTWORK. CABLE TRAY ROUTING SHOWN IS DIAGRAMMATIC AND APPROXIMATE. FINAL ROUTING SHALL BE ADJUSTED AS REQUIRED TO AVOID CONFLICTS WITH EXISTING CONDITIONS AND OTHER TRADES.

F. ALL LOW VOLTAGE CONDUITS NOT TERMINATED AT A BOX OR EQUIPMENT SHALL HAVE A PLASTIC BUSHING ON THE END TO PROTECT CABLING.

## SHEET NOTES

T1 DATA RACK IS BELOW CABLE TRAY. EC SHALL PROVIDE (1) FLOOR MOUNTED 2-POST DATA RACK.

T2 PROVIDE CONDUIT SLEEVES THROUGH THE WALL ABOVE CEILING FOR LOW VOLTAGE CABLING. PROVIDE PLASTIC BUSHINGS ON EACH SIDE OF THE CONDUIT TO PROTECT CABLING. SIZE AND QUANTITIES ARE AS INDICATED.

T3 RECESSED MONITOR BOX WITH TWO (2) DATA OUTLETS. ELEVATION SHOWN IS APPROXIMATE. EC SHALL REVIEW ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. SEE RECESSED MONITOR BOX DETAIL.

T4 EC SHALL PROVIDE FLEXIBLE LIQUID TIGHT FMHP WITH 90° CONNECTOR FROM FLOOR BOX OR WALL BOX TO MODULAR FURNITURE. DATA JACKS SHOWN INDICATE QUANTITY ONLY. COORDINATE FINAL OUTLET LOCATIONS WITH FURNITURE VENDOR. EXACT OUTLET PLACEMENT IS DESIGN BUILD COORDINATION AND IS NOT DIMENSIONED SEE MODULAR FURNITURE OUTLET DETAIL SHEET E640. CONDUIT IN THE WALL FROM THE CEILING SPACE TO THE JUNCTION BOX SHALL BE 1-1/4".

T1 PROVIDE (2) 4" CONDUIT SLEEVES THROUGH THE FLOOR TO THE ROOM BELOW FOR COMMUNICATIONS CABLING. FILL WITH REMOVABLE/RESTORABLE FIRE STOPPING PUTTY.

T11 PROVIDE NEW PHONE LINE CONNECTIONS. FURNISH ONE PHONE LINE CONNECTION TO EACH ELEVATOR CONTROL PANEL. FIELD VERIFY EXACT LOCATIONS OF ELEVATOR CONTROL PANELS.

T12 PROVIDE 1-1/2" CONDUIT FOR GPS WIRING FROM MECH ROOM TO THE ROOF. SEAL ANY ROOF PENETRATIONS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

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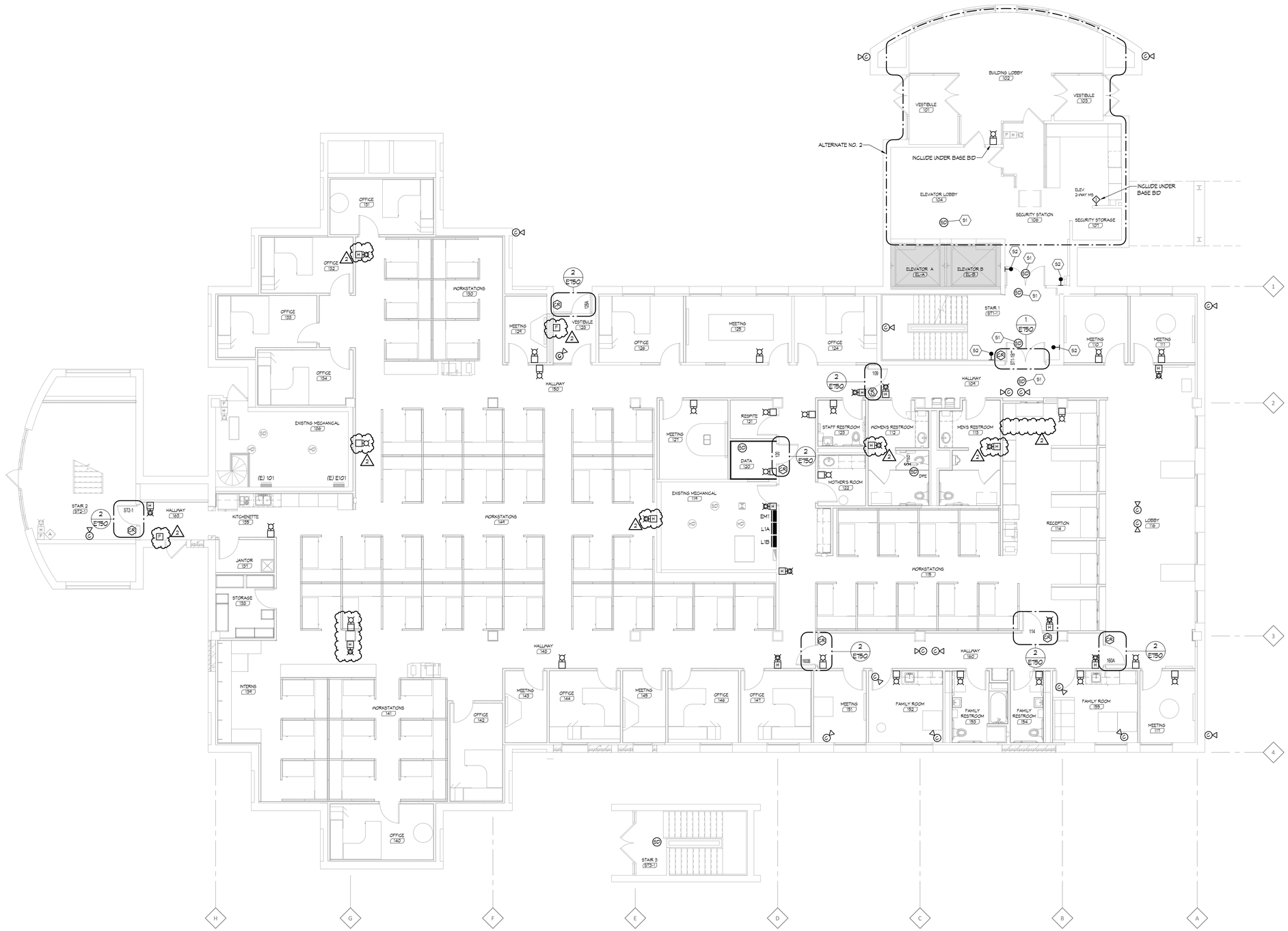
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SHEET
# E404
FOURTH FLOOR PLAN - TELECOMMUNICATIONS

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## GENERAL NOTES

A. FOR CAMERA LOCATIONS SHOWN, EC SHALL PROVIDE CABLING AND JACKS. CAMERA EQUIPMENT IS BY OWNER. PROVIDE (2) NETWORK CABLE DROPS (YELLOW COLOR) TO EACH LOCATION TERMINATED AT A SURFACE MOUNTED JACK SECURED ABOVE CEILING. FOR LOCATIONS SHOWN AT INTERIOR INACCESSIBLE CEILINGS, PROVIDE A 2-GANG BOX WITH 1-GANG MUDRING AND 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING. INSTALL THE CABLES TO THE BOX AND TERMINATE EACH WITH A MALE RJ45 JACK. PROVIDE A 12' SERVICE LOOP NEATLY SECURED TO STRUCTURE WITH VELCRO TIE WRAPS AT THE NEAREST ACCESSIBLE CEILING TO THE CAMERA LOCATION.

B. CAMERA CABLING SHALL BE TERMINATED AT DEDICATED PATCH PANELS AT THE DATA RACKS.

C. FOR EXTERNAL CAMERA LOCATIONS, PROVIDE A 3/4" CONDUIT THROUGH THE WALL TO A CAST METAL WEATHER TIGHT BOX (BELL BOX).

## SHEET NOTES

S1 CLEAN AND INSTALL SALVAGED FIRE ALARM DEVICE. CONNECT AS EXISTING.

S2 NEW FIRE ALARM DEVICE AT EXISTING LOCATION. CONNECT AS EXISTING.

1 FIRST FLOOR PLAN - ELECTRONIC SAFETY & SECURITY
SCALE: 1/8" = 1'-0"

NORTH

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PE - 8251
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NORTH DAKOTA

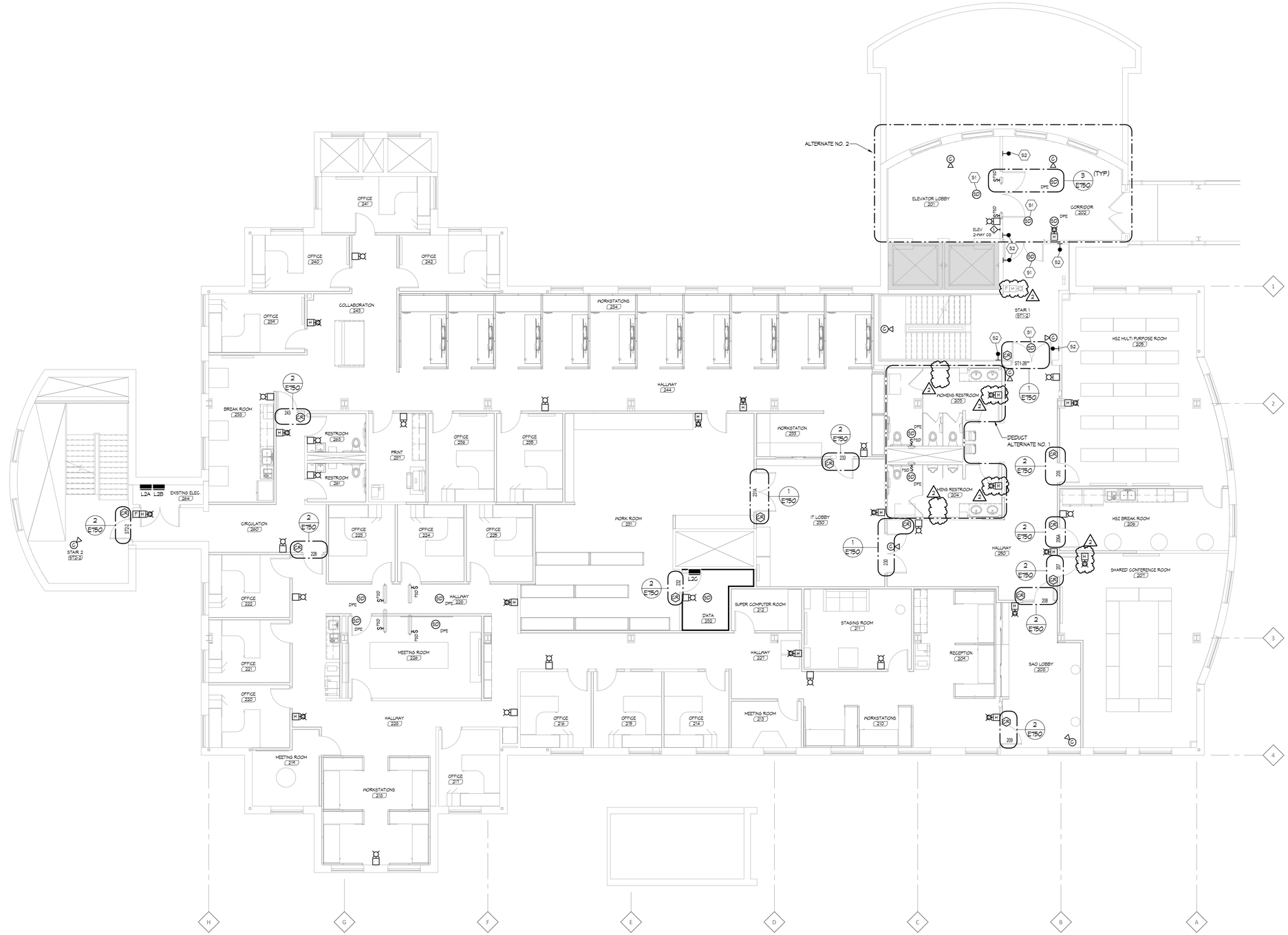
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SHEET
# E501
FIRST FLOOR PLAN - ELECTRONIC SAFETY & SECURITY




1 SECOND FLOOR PLAN - ELEC SAFETY & SECURITY

SCALE: 1/8" = 1'-0"

NORTH

## GENERAL NOTES

A. FOR CAMERA LOCATIONS SHOWN, EC SHALL PROVIDE CABLING AND JACKS. CAMERA EQUIPMENT IS BY OWNER. PROVIDE (2) NETWORK CABLE DROPS (YELLOW COLOR) TO EACH LOCATION TERMINATED AT A SURFACE MOUNTED JACK SECURED ABOVE CEILING. FOR LOCATIONS SHOWN AT INTERIOR INACCESSIBLE CEILINGS, PROVIDE A 2-GANG BOX WITH 1-GANG MUDRING AND 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING. INSTALL THE CABLES TO THE BOX AND TERMINATE EACH WITH A MALE RJ45 JACK. PROVIDE A 12' SERVICE LOOP NEATLY SECURED TO STRUCTURE WITH VELCRO TIE WRAPS AT THE NEAREST ACCESSIBLE CEILING TO THE CAMERA LOCATION.

B. CAMERA CABLING SHALL BE TERMINATED AT DEDICATED PATCH PANELS AT THE DATA RACKS.

C. FOR EXTERNAL CAMERA LOCATIONS, PROVIDE A 3/4" CONDUIT THROUGH THE WALL TO A CAST METAL WEATHER TIGHT BOX (BELL BOX).

## SHEET NOTES

S1 CLEAN AND INSTALL SALVAGED FIRE ALARM DEVICE. CONNECT AS EXISTING.

S2 NEW FIRE ALARM DEVICE AT EXISTING LOCATION. CONNECT AS EXISTING.

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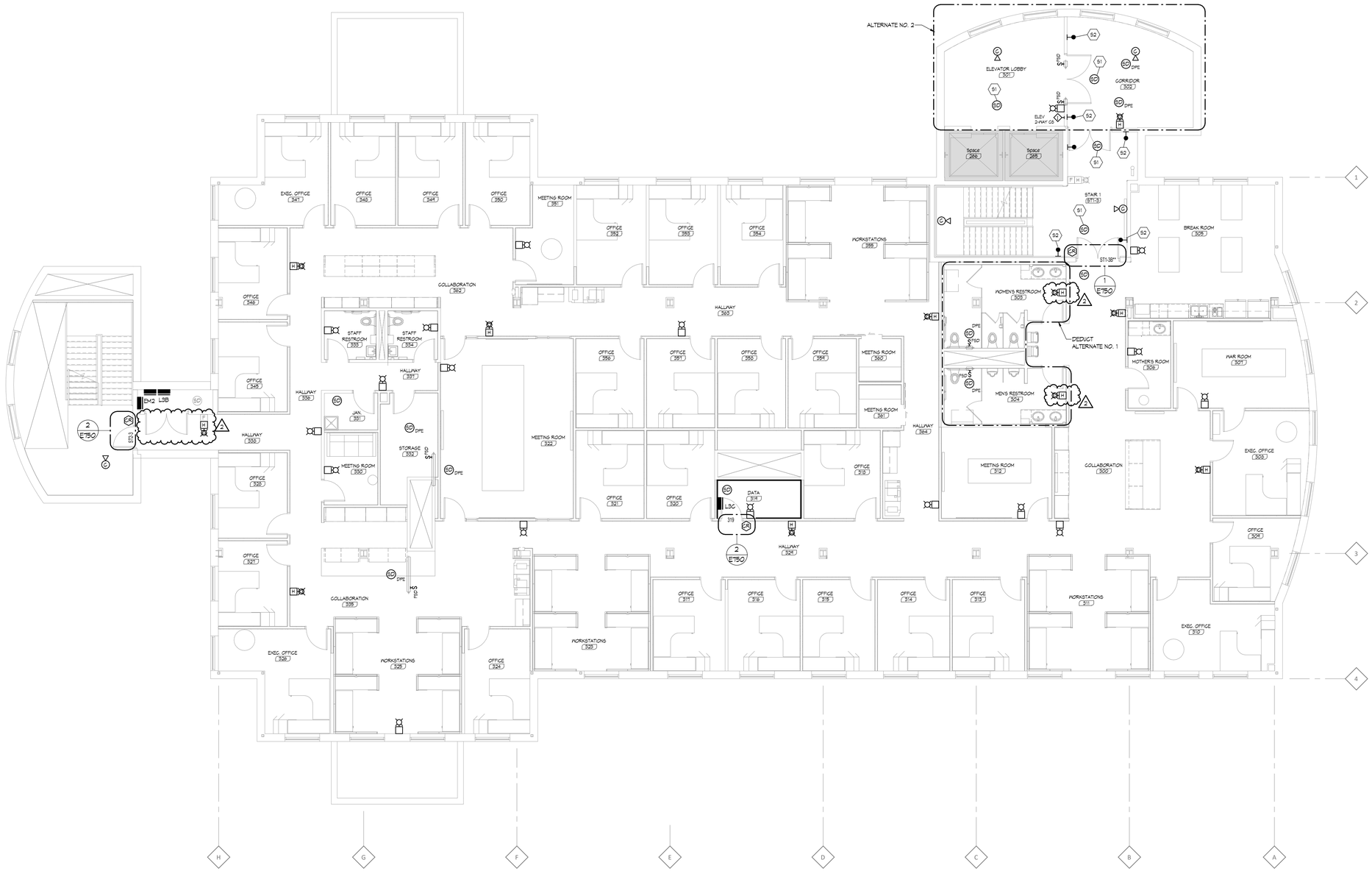
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PROJECT
**2025217**

SHEET
**E502**
**SECOND FLOOR PLAN - ELECTRONIC SAFETY & SECURITY**

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1 THIRD FLOOR PLAN - ELEC SAFETY & SECURITY

SCALE: 1/8" = 1'-0"

NORTH

## GENERAL NOTES

A. FOR CAMERA LOCATIONS SHOWN, EC SHALL PROVIDE CABLING AND JACKS. CAMERA EQUIPMENT IS BY OWNER. PROVIDE (2) NETWORK CABLE DROPS (YELLOW COLOR) TO EACH LOCATION TERMINATED AT A SURFACE MOUNTED JACK SECURED ABOVE CEILING. FOR LOCATIONS SHOWN AT INTERIOR INACCESSIBLE CEILINGS, PROVIDE A 2-GANG BOX WITH 1-GANG MUDRING AND 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING. INSTALL THE CABLES TO THE BOX AND TERMINATE EACH WITH A MALE RJ45 JACK. PROVIDE A 12' SERVICE LOOP NEATLY SECURED TO STRUCTURE WITH VELCRO TIE WRAPS AT THE NEAREST ACCESSIBLE CEILING TO THE CAMERA LOCATION.

B. CAMERA CABLING SHALL BE TERMINATED AT DEDICATED PATCH PANELS AT THE DATA RACKS.

C. FOR EXTERNAL CAMERA LOCATIONS, PROVIDE A 3/4" CONDUIT THROUGH THE WALL TO A CAST METAL WEATHER TIGHT BOX (BELL BOX).

## SHEET NOTES

S1 CLEAN AND INSTALL SALVAGED FIRE ALARM DEVICE. CONNECT AS EXISTING.

S2 NEW FIRE ALARM DEVICE AT EXISTING LOCATION. CONNECT AS EXISTING.

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CASS COUNTY COURTHOUSE
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SHEET
# E503
THIRD FLOOR PLAN - ELECTRONIC SAFETY & SECURITY

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## GENERAL NOTES

A. FOR CAMERA LOCATIONS SHOWN, EC SHALL PROVIDE CABLING AND JACKS. CAMERA EQUIPMENT IS BY OWNER. PROVIDE (2) NETWORK CABLE DROPS (YELLOW COLOR) TO EACH LOCATION TERMINATED AT A SURFACE MOUNTED JACK SECURED ABOVE CEILING. FOR LOCATIONS SHOWN AT INTERIOR INACCESSIBLE CEILINGS, PROVIDE A 2-GANG BOX WITH 1-GANG MUDRING AND 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING. INSTALL THE CABLES TO THE BOX AND TERMINATE EACH WITH A MALE RJ45 JACK. PROVIDE A 12' SERVICE LOOP NEATLY SECURED TO STRUCTURE WITH VELCRO TIE WRAPS AT THE NEAREST ACCESSIBLE CEILING TO THE CAMERA LOCATION.

B. CAMERA CABLING SHALL BE TERMINATED AT DEDICATED PATCH PANELS AT THE DATA RACKS.

C. FOR EXTERNAL CAMERA LOCATIONS, PROVIDE A 3/4" CONDUIT THROUGH THE WALL TO A CAST METAL WEATHER TIGHT BOX (BELL BOX).

## SHEET NOTES

S1 CLEAN AND INSTALL SALVAGED FIRE ALARM DEVICE. CONNECT AS EXISTING.

S2 NEW FIRE ALARM DEVICE AT EXISTING LOCATION. CONNECT AS EXISTING.




1 FOURTH FLOOR PLAN - ELEC SAFETY & SECURITY

SCALE: 1/8" = 1'-0"

NORTH

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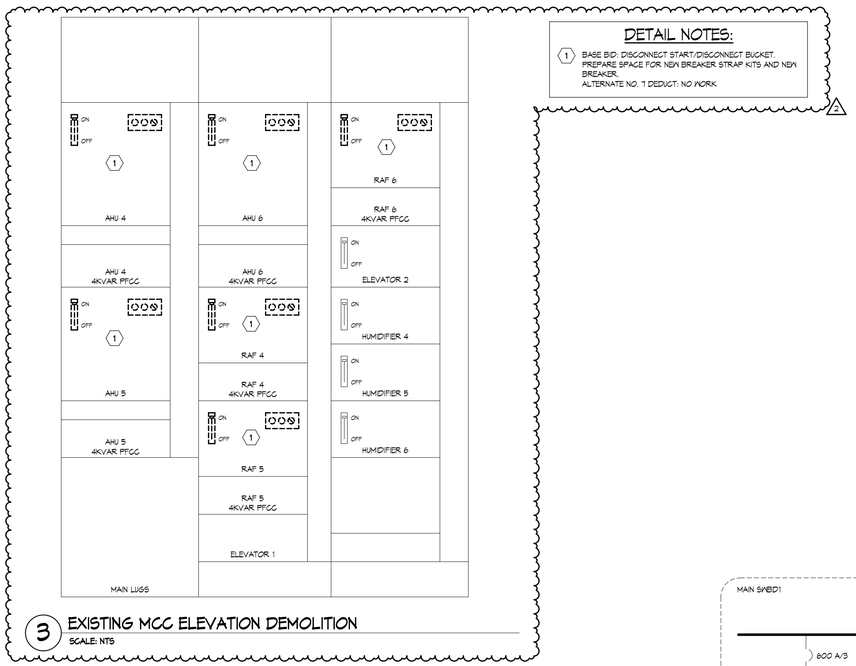
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SHEET
# E504
FOURTH FLOOR PLAN - ELECTRONIC SAFETY & SECURITY

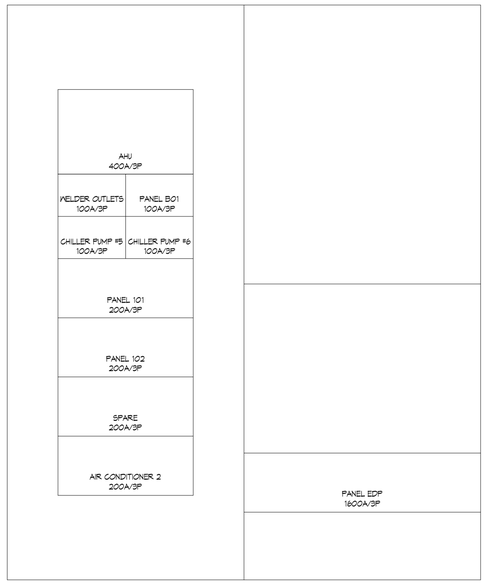



## 3 EXISTING MCC ELEVATION DEMOLITION

SCALE: NTS

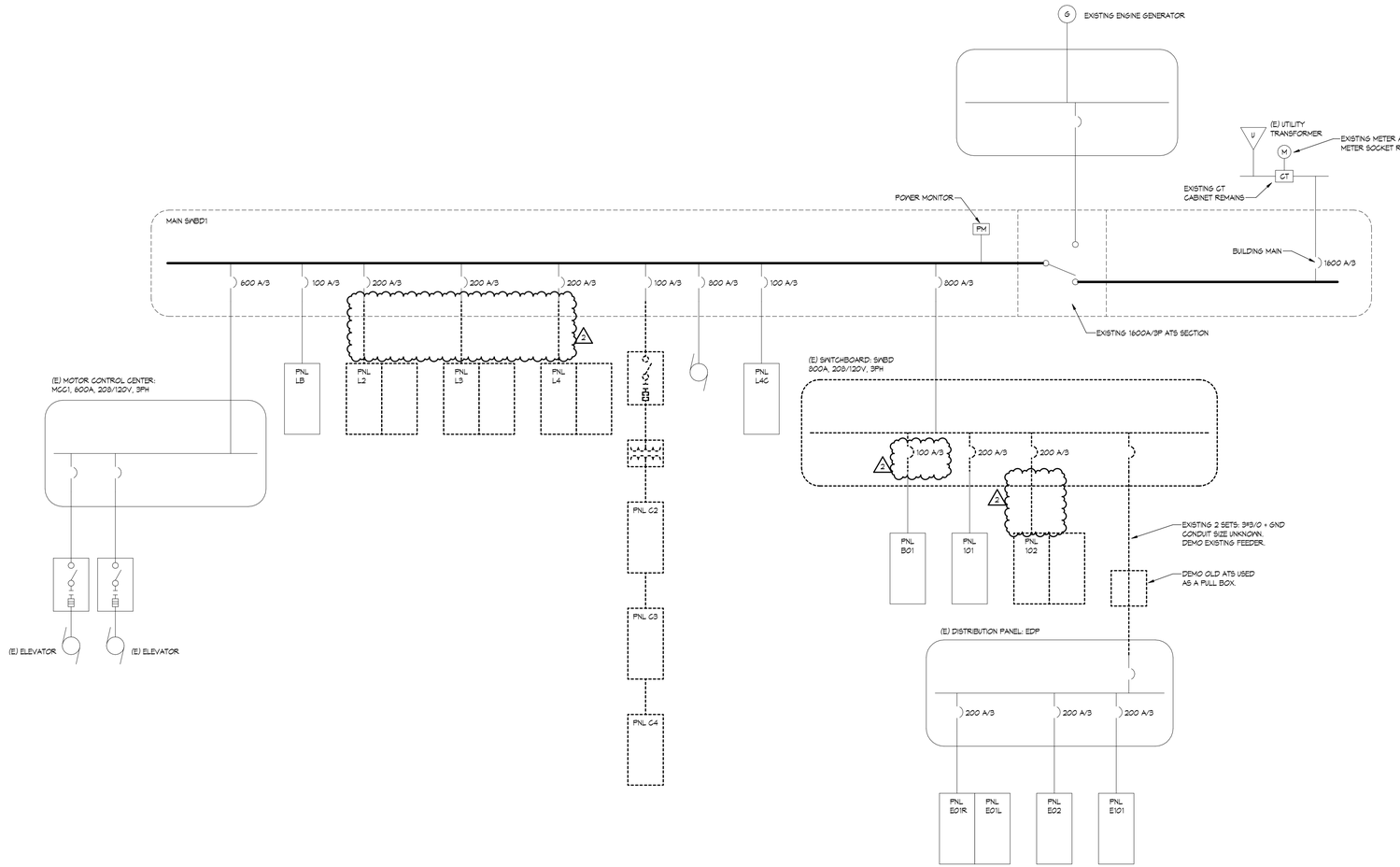
### DETAIL NOTES:

1 BASE BID: DISCONNECT START/DISCONNECT BUCKET. PREPARE SPACE FOR NEW BREAKER STRAP KITS AND NEW BREAKER.
ALTERNATE NO. 1 DEDUCT: NO WORK




## 2 EXISTING SWITCHBOARD ELEVATION

SCALE: NTS




## 1 ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION

SCALE: NTS

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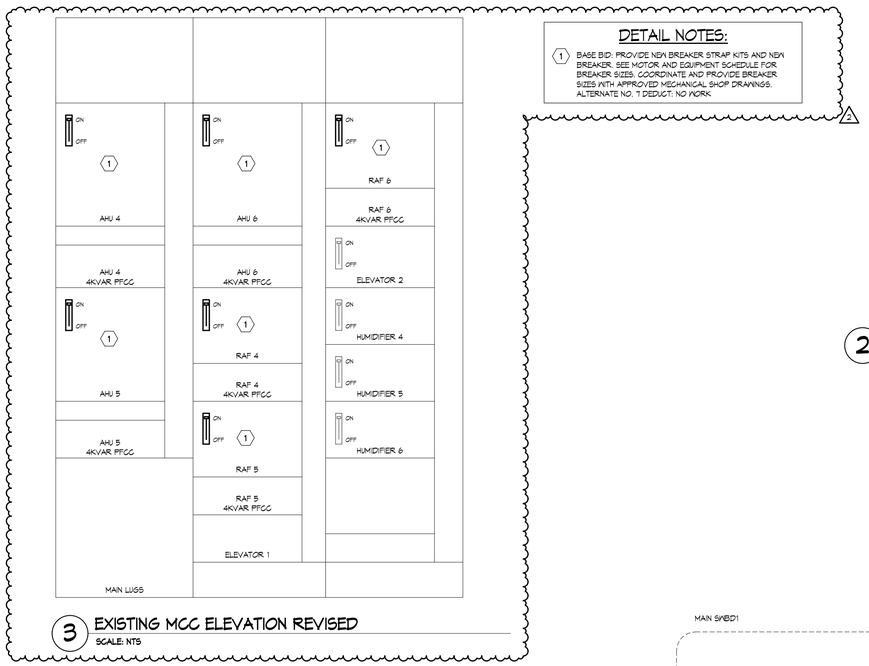
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SHEET
**E731**

**ELECTRICAL ONE-LINE DIAGRAM - DEMOLITION**

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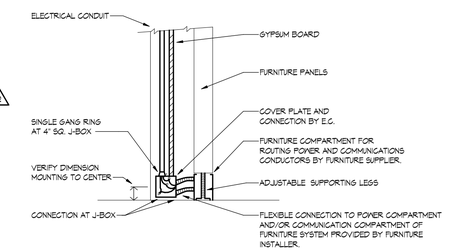



## 3 EXISTING MCC ELEVATION REVISED

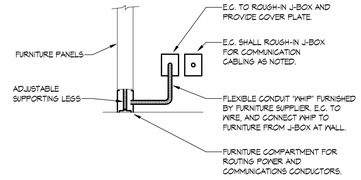
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### DETAIL NOTES:

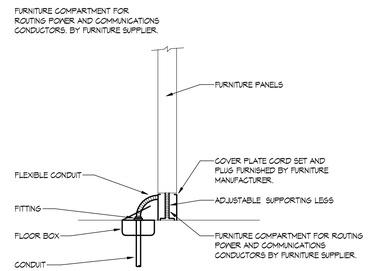
1. BASE BID: PROVIDE NEW BREAKER STRAP KITS AND NEW BREAKER. SEE MOTOR AND EQUIPMENT SCHEDULE FOR BREAKER SIZES. COORDINATE AND PROVIDE BREAKER SIZES WITH APPROVED MECHANICAL SHOP DRAWINGS. ALTERNATE NO. 1 DEDUCT: NO WORK.




WALL INSTALLATION



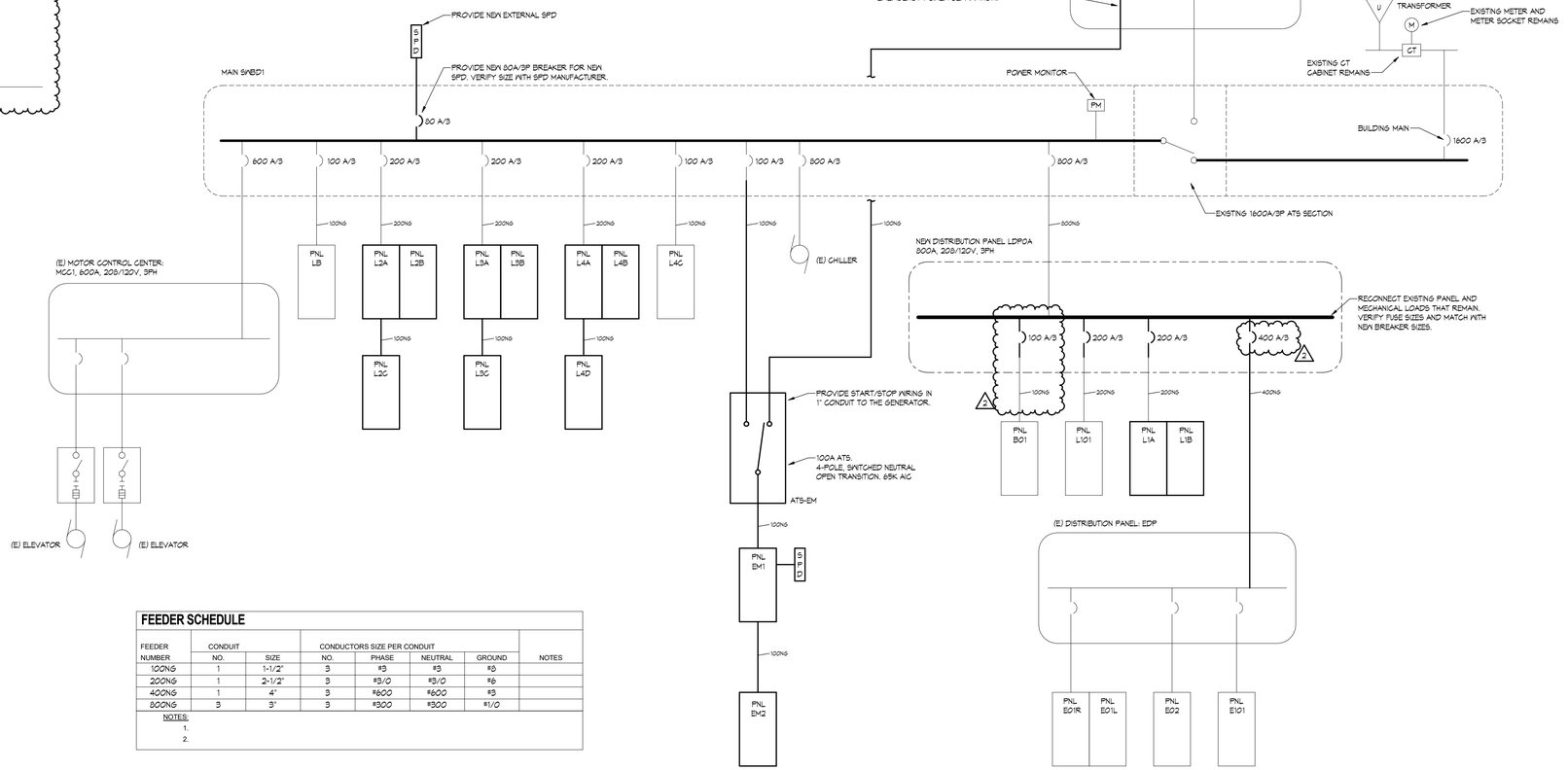

FLOOR INSTALLATION




FLOOR INSTALLATION

## 2 MODULAR FURNITURE OUTLET DETAIL

SCALE: NTS




### FEEDER SCHEDULE

| FEEDER NUMBER | CONDUIT NO. | CONDUIT SIZE | CONDUCTORS SIZE PER CONDUIT NO. | PHASE | NEUTRAL | GROUND | NOTES |
|---|---|---|---|---|---|---|---|
| 100NS | 1 | 1-1/2" | 3 | #3 | #3 | #6 | |
| 200NS | 1 | 2-1/2" | 3 | #3/0 | #3/0 | #6 | |
| 400NS | 1 | 4" | 3 | #600 | #600 | #3 | |
| 800NS | 3 | 3" | 3 | #300 | #300 | #1/0 | |

NOTES:
1.
2.

## 1 ELECTRICAL ONE-LINE DIAGRAM - NEW

SCALE: NTS

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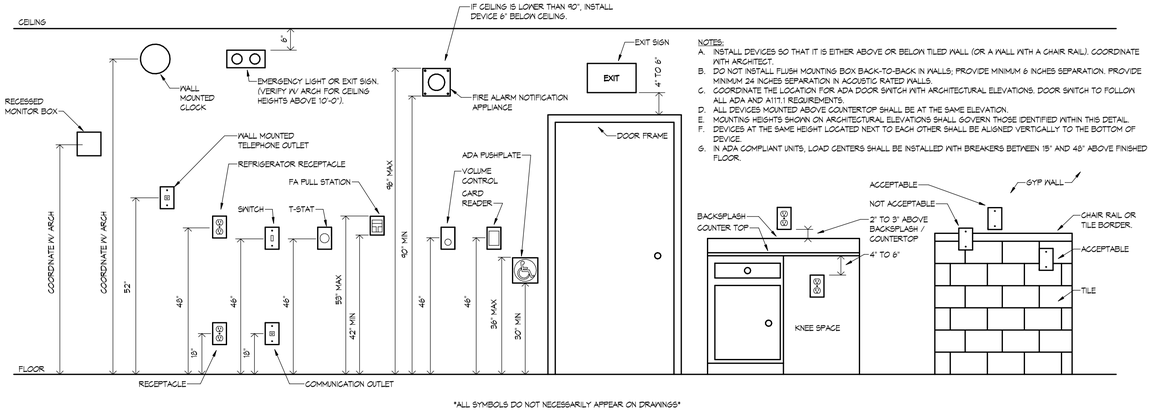
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SHEET
**E732**
ELECTRICAL
ONE-LINE DIAGRAM - NEW & POWER DETAILS

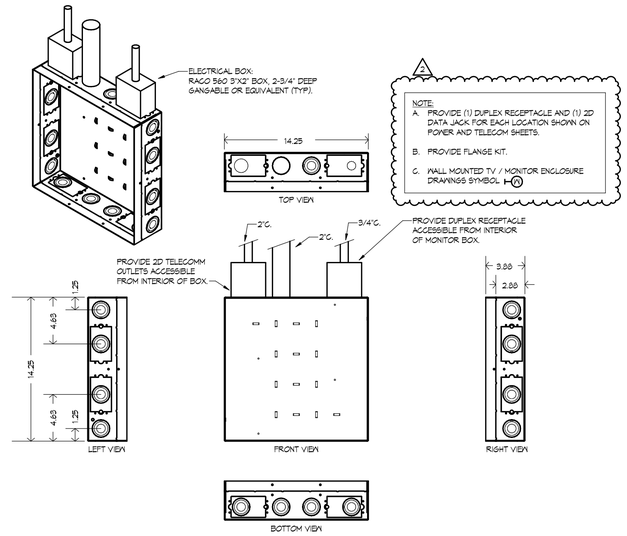
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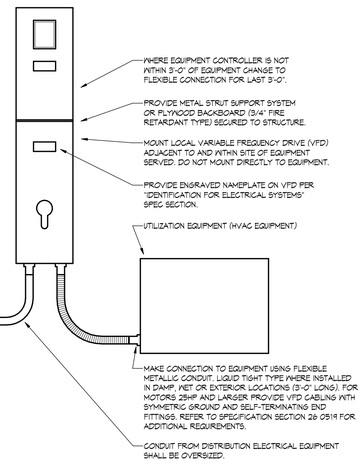

NOTES:
A. INSTALL DEVICES SO THAT IT IS EITHER ABOVE OR BELOW TILED WALL (OR A WALL WITH A CHAIR RAIL). COORDINATE WITH ARCHITECT.
B. DO NOT INSTALL FLUSH MOUNTING BOX BACK-TO-BACK IN WALLS; PROVIDE MINIMUM 6 INCHES SEPARATION. PROVIDE MINIMUM 24 INCHES SEPARATION IN ACOUSTIC RATED WALLS.
G. COORDINATE THE LOCATION FOR ADA DOOR SWITCH WITH ARCHITECTURAL ELEVATIONS. DOOR SWITCH TO FOLLOW ALL ADA AND A117.1 REQUIREMENTS.
D. ALL DEVICES MOUNTED ABOVE COUNTERTOP SHALL BE AT THE SAME ELEVATION.
E. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN THOSE IDENTIFIED WITHIN THIS DETAIL.
F. DEVICES AT THE SAME HEIGHT LOCATED NEXT TO EACH OTHER SHALL BE ALIGNED VERTICALLY TO THE BOTTOM OF DEVICE.
G. IN ADA COMPLIANT UNITS, LOAD CENTERS SHALL BE INSTALLED WITH BREAKERS BETWEEN 15" AND 48" ABOVE FINISHED FLOOR.

*ALL SYMBOLS DO NOT NECESSARILY APPEAR ON DRAWINGS*

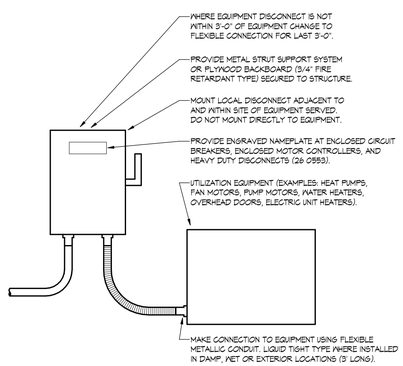
## 3 DEVICE MOUNTING ELEVATIONS
SCALE: NTS



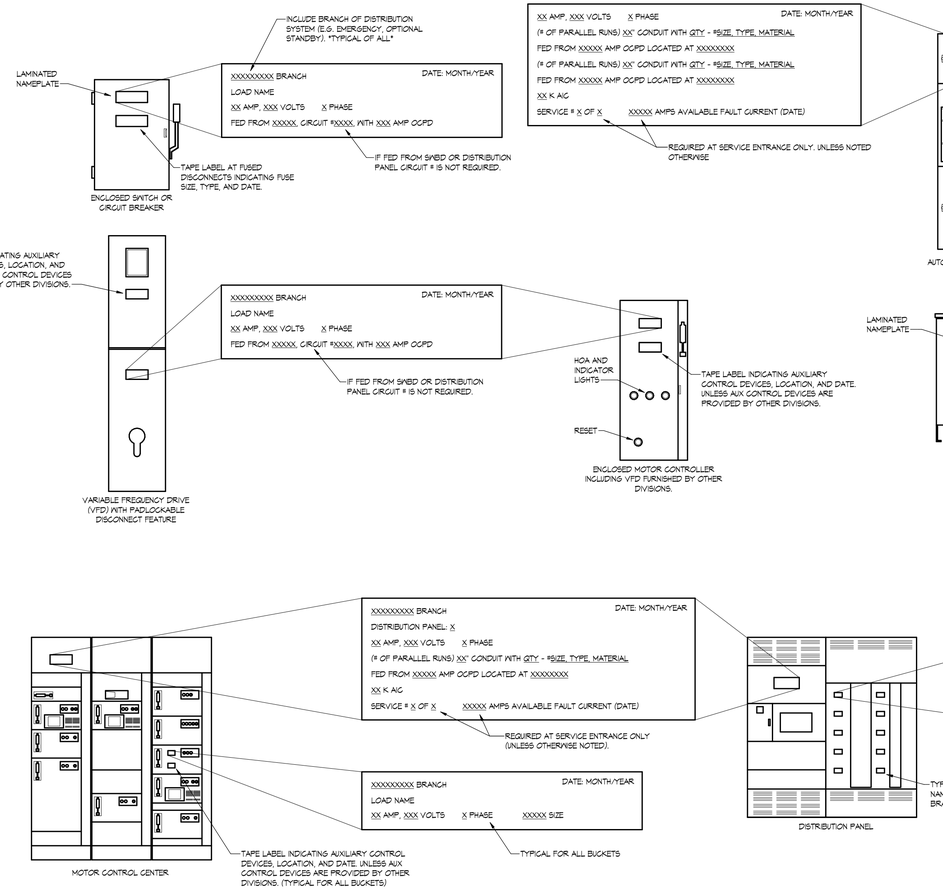

## 2 RECESSED MONITOR BOX
SCALE: NTS




## 5 VFD CONNECTION DETAIL
SCALE: NTS




## 4 EQUIPMENT CONNECTION DETAIL
SCALE: NTS




## 1 EQUIPMENT NAMEPLATE DETAIL
SCALE: NTS

### EQUIPMENT NAMEPLATE NOTES:

A. SEE SPEC SECTION "IDENTIFICATION FOR ELECTRICAL SYSTEMS" FOR LABELING INFORMATION.
B. SECURE NAMEPLATE WITH SCREWS OR RIVETS PER SPEC SECTION "IDENTIFICATION FOR ELECTRICAL SYSTEMS". UTILIZE STAINLESS STEEL SCREWS AT EXTERIOR LOCATIONS.
C. UTILIZE BLACK LETTERS ON WHITE BACKGROUND (UNLESS NOTED OTHERWISE).
D. DATE INDICATED SHALL BE DATE OF INSTALL/ OR SUBSTANTIAL COMPLETION (UNLESS NOTED OTHERWISE).
E. UTILIZE WHITE LETTERS ON RED BACKGROUND FOR EMERGENCY BRANCH(ES).
F. UTILIZE RED LETTERS ON WHITE BACKGROUND FOR OPTIONAL STAND-BY BRANCH.
G. UTILIZE GREEN LETTERS ON WHITE BACKGROUND FOR BRANCH(ES) LEGALLY REQUIRED.
H. UTILIZE BLACK LETTERS ON ORANGE BACKGROUND FOR HIGH LEG SYSTEMS.




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**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM2 | 05.20.26 |

REGISTERED PROFESSIONAL ENGINEER
ANTHONY R. NELSON
PE - 8251
DATE 05/20/2026
NORTH DAKOTA

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2nd AVE S., FARGO, ND 58103

DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
2025217
SHEET
**E733**
**POWER DETAILS**

5/20/2026 1:44:31 PM

# LIGHT FIXTURE SCHEDULE

GENERAL NOTES:

A. SEE SPEC SECTION 26 0000 AND 26 5100 FOR ADDITIONAL REQUIREMENTS AS REQUIRED.
B. EQUAL TO AND OR EQUAL: WHERE MATERIALS ARE SPECIFICALLY IDENTIFIED WITH EQUAL TO / OR EQUAL, SUBSTITUTE MANUFACTURERS COMPLYING WITH THE REQUIREMENTS OF THESE SPECIFICATIONS BUT NOT LISTED MAY BE INCORPORATED IN THE WORK. SUCH MATERIAL EQUAL TO OR SUPERIOR, IN ENGINEER'S OPINION, TO THAT SPECIFIED IN CONSTRUCTION, EFFICIENCY, APPEARANCE, AND UTILITY.
C. ALL DIMENSIONS ARE NOMINAL UNLESS NOTED OTHERWISE.
D. RATED LIFE OF LED LUMINARIES SHALL BE 50,000 HOURS UNLESS OTHERWISE NOTED.
E. EMERGENCY LUMINAIRES SHALL BE EQUIPPED WITH SELF-DIAGNOSTIC BATTERIES UNLESS OTHERWISE NOTED.
F. COLOR TEMPERATURE OF LED LUMINAIRES IS NOMINAL UNLESS OTHERWISE NOTED.
G. SYSTEM WATTAGE SCHEDULED IS NOMINAL UNLESS NOTED OTHERWISE.
H. 0-10V LED DRIVERS TO BE FURNISHED WITH ISOLATED GROUNDS. COMMON WIRE SHALL BE ISOLATED FROM THE POWER SYSTEM GROUND WIRE OF THE POWER SUPPLY.
J. DIMMING COMPONENTS SHALL BE COMPATIBLE WITH SPECIFIED LIGHTING CONTROL SYSTEMS.
K. LINEAR LUMINAIRE LENGTHS GREATER THAN 8'-0": LENS & REFLECTOR SHALL BE CONTINUOUS FROM END TO END (WITHOUT VISIBLE JOINTS) FOR THE TOTAL RUN LENGTH.
L. REFER TO ARCHITECTURAL, LANDSCAPING, AND CIVIL PLANS FOR COORDINATION AND ADDITIONAL INFORMATION, DETAILS, MOUNTING, AND LOCATION OF EQUIPMENT.
M. FOR SITE POLE LIGHTING, PROVIDE ROUND, TAPERED, STEEL POLE, WITH HANDHOLE, ANCHOR BOLTS, BOLT TEMPLATE, VIBRATION DAMPER, AND BASE COVER. SHALL BE FACTORY FINISHED TO MATCH LUMINAIRE. REFER TO POLE BASE DETAILS FOR ADDITIONAL INFORMATION.
N. PROVIDE T-GRID MOUNTING HARDWARE WHERE REQUIRED. REFER TO ARCHITECTURAL RCP PLANS FOR MORE INFORMATION.

NOTES:

1. PROVIDE FIXTURE MOUNTED BI-LEVEL MOTION SENSOR. POWER SUPPLY TO BE 0-10V DIMMING TO DIM WATTAGE DOWN IN 1% INCREMENTS TO REDUCE LIGHT LEVEL WHEN AREA IS UNOCCUPIED.

| TYPE | MANUFACTURER | SERIES | VOLT | LIGHT SOURCE CCT | CRI | LUMENS | POWER SUPPLY/DIMMING SYSTEM WATTAGE | DIMMING | DIMENSIONS | MOUNTING | FINISH | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A1 | EQUAL TO:<br>COLUMBIA<br>DAYBRITE<br>METALUX<br>LITHONIA | LCAT<br>EVO<br>24G22<br>2BLT4 | MVOLT | 3500K | 85 | 4800 | 54 W | 10% 0-10V DIM | 4' H<br>2' X 4' | RECESSED T-GRID | WHITE | SPECIFICATION GRADE LED VOLUMETRIC, ONE-PIECE COLD-ROLLED STEEL COATED POLYESTER FRAME. SMOOTH CURVED DROP DOWN OPTICAL GRADE CENTER ACRYLIC LENS. |
| A2 | EQUAL TO:<br>COLUMBIA<br>DAYBRITE<br>METALUX<br>LITHONIA | LCAT<br>EVO<br>22G22<br>2BLT2 | MVOLT | 3500K | 85 | 4800 | 54 W | 10% 0-10V DIM | 4' H<br>2' X 4' | RECESSED T-GRID | WHITE | SPECIFICATION GRADE LED VOLUMETRIC, ONE-PIECE COLD-ROLLED STEEL COATED POLYESTER FRAME. SMOOTH CURVED DROP DOWN OPTICAL GRADE CENTER ACRYLIC LENS. |
| B2 | EQUAL TO:<br>SIGNIFY<br>COLUMBIA<br>METALUX<br>LITHONIA | 2FPZ<br>CBT22<br>22FPX<br>CPX2X2 | MVOLT | 3500K | (MIN) 80 | 3200 | 30 W | 10% 0-10V DIM | 2.25" DEPTH<br>2' X 2' | RECESSED T-GRID | WHITE | BACK LIT FLAT PANEL. RIGID HOUSING DIE-FORMED STEEL FRAME CONSTRUCTION, SATIN WHITE LENS, NO VISIBLE LED DIODES. SUITABLE FOR DAMP LOCATION. |
| D1 | EQUAL TO:<br>MAXLUME<br>LITHONIA<br>HALO<br>H.E. WILLIAMS | HH6-LED<br>LDN6<br>HC6<br>6DR | MVOLT | 3500K | 80 | 1000 | 10 W | 10% 0-10V DIM | 6-5/8"H<br>6" TRIM<br>5-13/16" DIA APERTURE | RECESSED | WHITE | 6" DOWNLIGHT, SPUN ALUMINUM SMOOTH SEMI-SPECULAR REFLECTOR, WHITE ALUMINUM TRIM HOUSING, FORGED ALUMINUM HEAT SINK, FROSTED ACRYLIC LENS. |
| D2 | EQUAL TO:<br>MAXLUME<br>LITHONIA<br>HALO<br>H.E. WILLIAMS | HH6-LED<br>LDN6<br>HC6<br>6DR | MVOLT | 3500K | 80 | 1000 | 9 W | 10% 0-10V DIM | 6-5/8"H<br>6" TRIM<br>5-13/16" DIA APERTURE | RECESSED | WHITE | 6" DOWNLIGHT, SPUN ALUMINUM SMOOTH SEMI-SPECULAR REFLECTOR, WHITE DEAD FRONT TRIM, SHOWER RATED, HOUSING, FORGED ALUMINUM HEAT SINK, FROSTED ACRYLIC LENS. |
| D3 | EQUAL TO:<br>MAXLUME<br>LITHONIA<br>HALO<br>H.E. WILLIAMS | HH6-LED<br>LDN6<br>HC6<br>6DR | MVOLT | 3500K | 80 | 2000 | 19 W | 10% 0-10V DIM | 6-5/8"H<br>6" TRIM<br>5-13/16" DIA APERTURE | RECESSED | WHITE | 6" DOWNLIGHT, SPUN ALUMINUM SMOOTH SEMI-SPECULAR REFLECTOR, WHITE ALUMINUM TRIM HOUSING, FORGED ALUMINUM HEAT SINK, FROSTED ACRYLIC LENS. |
| D4 | EQUAL TO:<br>MAXLUME<br>LITHONIA<br>HALO<br>H.E. WILLIAMS | HH6-LED<br>LDN6<br>HC6<br>6DR | MVOLT | 3500K | 80 | 1500 | 17 W | 10% 0-10V DIM | 6-5/8"H<br>6" TRIM<br>5-13/16" DIA APERTURE | RECESSED | WHITE | 6" DOWNLIGHT, SPUN ALUMINUM SMOOTH SEMI-SPECULAR REFLECTOR, WHITE ALUMINUM TRIM HOUSING, FORGED ALUMINUM HEAT SINK, FROSTED ACRYLIC LENS. |
| E1 | EQUAL TO:<br>CHLORIDE<br>DUAL-LITE<br>EVENLITE<br>SURE-LITES | VE<br>EVE<br>TLX<br>LPX | MVOLT | MS | MS | MS | 2.5 W | -- | STANDARD | UNIVERSAL | WHITE | SINGLE FACE THERMOPLASTIC / POLYCARBONATE EXIT SIGN, STENCIL FACE WITH GREEN OPTICAL DIFFUSER. AC ONLY. |
| E2 | EQUAL TO:<br>CHLORIDE<br>DUAL-LITE<br>EVENLITE<br>SURE-LITES | VE<br>EVE<br>TLX<br>LPX | MVOLT | MS | MS | MS | 2.5 W | -- | STANDARD | UNIVERSAL | WHITE | DOUBLE FACE THERMOPLASTIC / POLYCARBONATE EXIT SIGN, STENCIL FACE WITH GREEN OPTICAL DIFFUSER. AC ONLY. |
| E3 | EQUAL TO:<br>ATLITE<br>CHLORIDE<br>DUAL-LITE<br>EVENLITE<br>SURE-LITES | AUX5-SD-6<br>CN<br>LES<br>SOV<br>ELX | MVOLT | MS | MS | MS | 2.5 W | -- | STANDARD | CEILING | WHITE | ARCHITECTURAL FLUSH MOUNTED EDGE LIT EXIT SIGN, GREEN LETTERS ON CLEAR BACKGROUND, SEE FLOOR PLANS FOR CHEVRONS. AC ONLY. |
| E4 | EQUAL TO:<br>ATLITE<br>CHLORIDE<br>DUAL-LITE<br>EVENLITE<br>SURE-LITES | AUX5-SD-6<br>CN<br>LES<br>SOV<br>ELX | MVOLT | MS | MS | MS | 2.5 W | -- | STANDARD | CEILING | WHITE | ARCHITECTURAL FLUSH MOUNTED DUAL SIDED EDGE LIT EXIT SIGN, GREEN LETTERS ON MIRROR BACKGROUND, SEE FLOOR PLANS FOR CHEVRONS. AC ONLY. |
| EM1 | EQUAL TO:<br>LITHONIA<br>DUAL-LITE<br>ISOLITE<br>SURE-LITES | ELM2L<br>EV<br>EUG<br>AFELH2 | MVOLT | MS | MS | MS | 1.5 W | -- | 4-1/2"H<br>9"W<br>2-15/16"D | WALL | WHITE | SELF-CONTAINED EMERGENCY LIGHTING UNIT, 2-FULLY ADJUSTABLE HEADS, NO MAINTENANCE FREE NICKEL CADMIUM BATTERY, 5-YEAR WARRANTY |
| F1 | EQUAL TO:<br>MAXLUME<br>LITHONIA<br>HALO<br>H.E. WILLIAMS | HH6-LED<br>LDN6<br>HC6<br>6DR | MVOLT | 3000K | 80 | 1000 | 10 W | 10% 0-10V DIM | 6-5/8"H<br>6" TRIM<br>5-13/16" DIA APERTURE | RECESSED | WHITE | 6" DOWNLIGHT, DIE-CAST ALUMINUM TRIM HOUSING WITH FORGED ALUMINUM HEAT SINK, REGRESSED ACRYLIC LENS. |
| H1 | EQUAL TO:<br>ELITE LIGHTING<br>COLUMBIA<br>LITHONIA<br>METALUX | 4-DEC-LED<br>MPS<br>ZL1D<br>SNLED | MVOLT | 3500K | 80 | 5000 | 50 W | -- | 4"H<br>3"W<br>4'-0"L | CHAIN SUSPENDED | WHITE | INDUSTRIAL LED STRIPLIGHT, DIE FORMED COLD ROLLED STEEL CHANNEL. RUST RESISTANT FINISH. NO DIMMING. EXTRUDED CURVED FROSTED LENS. WIDE BEAM DISTRIBUTION. |
| L5.5F | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 23 W | 1% 0-10V DIM | 4-1/2" H<br>4" W<br>5'-6" L | RECESSED GYP | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. FLANGE KIT |
| L6 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 35 W | 1% 0-10V DIM | 4-1/2" H<br>4" W<br>6'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| L6F | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 35 W | 1% 0-10V DIM | 4-1/2" H<br>4" W<br>6'-0" L | RECESSED GYP | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. FLANGE KIT |
| L8 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 46 W | 1% 0-10V DIM | 4-1/2" H<br>4" W<br>8'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| L8A | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 1000 LM/FT | 63.2 W | 1% 0-10V DIM | 4-1/2" H<br>4" W<br>8'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| L10 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 51 W | 1% 0-10V DIM | 4-1/2" H<br>4" W<br>10'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| L12 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 68.4 W | 1% 0-10V DIM | 4-1/2" H<br>4" W<br>12'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| L14 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 80 W | 1% 0-10V DIM | 4-1/2" H<br>4" W<br>14'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |

# LIGHT FIXTURE SCHEDULE

GENERAL NOTES:

A. SEE SPEC SECTION 26 0000 AND 26 5100 FOR ADDITIONAL REQUIREMENTS AS REQUIRED.
B. EQUAL TO AND OR EQUAL: WHERE MATERIALS ARE SPECIFICALLY IDENTIFIED WITH EQUAL TO / OR EQUAL, SUBSTITUTE MANUFACTURERS COMPLYING WITH THE REQUIREMENTS OF THESE SPECIFICATIONS BUT NOT LISTED MAY BE INCORPORATED IN THE WORK. SUCH MATERIAL EQUAL TO OR SUPERIOR, IN ENGINEER'S OPINION, TO THAT SPECIFIED IN CONSTRUCTION, EFFICIENCY, APPEARANCE, AND UTILITY.
C. ALL DIMENSIONS ARE NOMINAL UNLESS NOTED OTHERWISE.
D. RATED LIFE OF LED LUMINARIES SHALL BE 50,000 HOURS UNLESS OTHERWISE NOTED.
E. EMERGENCY LUMINAIRES SHALL BE EQUIPPED WITH SELF-DIAGNOSTIC BATTERIES UNLESS OTHERWISE NOTED.
F. COLOR TEMPERATURE OF LED LUMINAIRES IS NOMINAL UNLESS OTHERWISE NOTED.
G. SYSTEM WATTAGE SCHEDULED IS NOMINAL UNLESS NOTED OTHERWISE.
H. 0-10V LED DRIVERS TO BE FURNISHED WITH ISOLATED GROUNDS. COMMON WIRE SHALL BE ISOLATED FROM THE POWER SYSTEM GROUND WIRE OF THE POWER SUPPLY.
J. DIMMING COMPONENTS SHALL BE COMPATIBLE WITH SPECIFIED LIGHTING CONTROL SYSTEMS.
K. LINEAR LUMINAIRE LENGTHS GREATER THAN 8'-0": LENS & REFLECTOR SHALL BE CONTINUOUS FROM END TO END (WITHOUT VISIBLE JOINTS) FOR THE TOTAL RUN LENGTH.
L. REFER TO ARCHITECTURAL, LANDSCAPING, AND CIVIL PLANS FOR COORDINATION AND ADDITIONAL INFORMATION, DETAILS, MOUNTING, AND LOCATION OF EQUIPMENT.
M. FOR SITE POLE LIGHTING, PROVIDE ROUND, TAPERED, STEEL POLE, WITH HANDHOLE, ANCHOR BOLTS, BOLT TEMPLATE, VIBRATION DAMPER, AND BASE COVER. SHALL BE FACTORY FINISHED TO MATCH LUMINAIRE. REFER TO POLE BASE DETAILS FOR ADDITIONAL INFORMATION.
N. PROVIDE T-GRID MOUNTING HARDWARE WHERE REQUIRED. REFER TO ARCHITECTURAL RCP PLANS FOR MORE INFORMATION.

NOTES:

1. PROVIDE FIXTURE MOUNTED BI-LEVEL MOTION SENSOR. POWER SUPPLY TO BE 0-10V DIMMING TO DIM WATTAGE DOWN IN 1% INCREMENTS TO REDUCE LIGHT LEVEL WHEN AREA IS UNOCCUPIED.

| TYPE | MANUFACTURER | SERIES | VOLT | LIGHT SOURCE CCT | CRI | LUMENS | POWER SUPPLY/DIMMING SYSTEM WATTAGE | DIMMING | DIMENSIONS | MOUNTING | FINISH | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L16 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 91.2 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>16'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| L20 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 115 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>20'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| L24 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 136.8 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>24'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| L32 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 600 LM/FT | 182 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>32'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| M8 | ALLOWANCE OF $2,150 EA (DISTRIBUTOR NET PRICING)<br>A-LIGHT | ABH | MVOLT | 3500K | (MIN) 80 | 900 LM/FT | 150 W | 1% 0-10V DIM | 3-3/4" H<br>4' W<br>8'-0" L | FULLY ADJUSTABLE AIR-CRAFT CABLE | DEEP TEAL | LINEAR LED DIRECT LIGHT DISTRIBUTION SINGLE CIRCUIT CONFIGURATION. FIXTURE SHALL HAVE NO LIGHT LEAKAGE THROUGH THE HOUSING. CONSTRUCTED OF EXTRUDED ALUMINUM HOUSING INCORPORATING A HOLLOW CORE AGCUSTICAL SURFACE ON BOTH SIDES, EXTENDING THE FULL LENGTH OF THE LUMINAIRE. ACOUSTICAL SURFACES SHALL BE FLUSH WITH THE HOUSING. FLUSH SATIN WHITE ACRYLIC LENS. |
| M12 | ALLOWANCE OF $3,250 EA (DISTRIBUTOR NET PRICING)<br>A-LIGHT | ABH | MVOLT | 3500K | (MIN) 80 | 900 LM/FT | 224.4 W | 1% 0-10V DIM | 3-3/4" H<br>4' W<br>12'-0" L | FULLY ADJUSTABLE AIR-CRAFT CABLE | DEEP TEAL | LINEAR LED DIRECT LIGHT DISTRIBUTION SINGLE CIRCUIT CONFIGURATION. FIXTURE SHALL HAVE NO LIGHT LEAKAGE THROUGH THE HOUSING. CONSTRUCTED OF EXTRUDED ALUMINUM HOUSING INCORPORATING A HOLLOW CORE AGCUSTICAL SURFACE ON BOTH SIDES, EXTENDING THE FULL LENGTH OF THE LUMINAIRE. ACOUSTICAL SURFACES SHALL BE FLUSH WITH THE HOUSING. FLUSH SATIN WHITE ACRYLIC LENS. |
| M18 | ALLOWANCE OF $4,850 EA (DISTRIBUTOR NET PRICING)<br>A-LIGHT | ABH | MVOLT | 3500K | (MIN) 80 | 900 LM/FT | 336.6 W | 1% 0-10V DIM | 3-3/4" H<br>4' W<br>18'-0" L | FULLY ADJUSTABLE AIR-CRAFT CABLE | DEEP TEAL | LINEAR LED DIRECT LIGHT DISTRIBUTION SINGLE CIRCUIT CONFIGURATION. FIXTURE SHALL HAVE NO LIGHT LEAKAGE THROUGH THE HOUSING. CONSTRUCTED OF EXTRUDED ALUMINUM HOUSING INCORPORATING A HOLLOW CORE AGCUSTICAL SURFACE ON BOTH SIDES, EXTENDING THE FULL LENGTH OF THE LUMINAIRE. ACOUSTICAL SURFACES SHALL BE FLUSH WITH THE HOUSING. FLUSH SATIN WHITE ACRYLIC LENS. |
| N10 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3500K | 80+ | 600 LM/FT | 51 W | 1% 0-10V DIM | 4-1/2" H<br>3" W<br>10'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| N11 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3500K | 80+ | 600 LM/FT | 68.4 W | 1% 0-10V DIM | 4-1/2" H<br>3" W<br>11'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| N12 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3500K | 80+ | 600 LM/FT | 68.4 W | 1% 0-10V DIM | 4-1/2" H<br>3" W<br>12'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| N15 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3500K | 80+ | 600 LM/FT | 85.5 W | 1% 0-10V DIM | 4-1/2" H<br>3" W<br>15'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| N16 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3500K | 80+ | 600 LM/FT | 91.2 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>16'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| N17 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3500K | 80+ | 600 LM/FT | 97 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>17'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| N25.5 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3500K | 80+ | 600 LM/FT | 145.4 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>25'-6" L | RECESSED GYP | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| N25F | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3500K | 80+ | 600 LM/FT | 142.5 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>25'-0" L | RECESSED GYP | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| N35.5 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3500K | 80+ | 600 LM/FT | 198.7 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>34'-6" L | RECESSED GYP | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| P1 | ALLOWANCE OF $4,400 EA (DISTRIBUTOR NET PRICING)<br>VISA LIGHTING | CPS102 | MVOLT | 3500K | 90 | 9200 | 125 W | 1% 0-10V DIM | 8-1/2" H<br>36" DIA | AIR-CRAFT SUSPENDED W/ CANOPY | TO BE SELECTED BY ARCH | DECORATIVE RING PENDANT, FROSTED ACRYLIC RING UP/DOWN LIGHTING. ALUMINUM HEAT SINK. CENTRAL CANOPY. SUPPORTD BY THREE (3) AIR CRAFT CABLES. |
| P2 | ALLOWANCE OF $950 EA (DISTRIBUTOR NET PRICING)<br>LIGHT ART | ACC-SHPE-EMP | MVOLT | 3500K | 80+ | 900 | 12 W | 0-10V 1% | 22"Ø<br>12"H | ADJUSTABLE AIR CRAFT CABLES | STEEL BLUE OUTER SHADE NICKEL INNER SHADE | SUSPENDED DUAL FELT SHADE WITH INTEGRAL LED MODULE. SUPPORTED BY THREE (3) AIR CRAFT CABLES TO A SINGLE CANOPY, WHITE RECESSED CANOPY, WHITE POWER CORD. WDE DISTRIBUTION. |
| P3 | ALLOWANCE OF $950 EA (DISTRIBUTOR NET PRICING)<br>LIGHT ART | ACC-SHPE-EMP | MVOLT | 3500K | 80+ | 900 | 12 W | 0-10V 1% | 22"Ø<br>12"H | ADJUSTABLE AIR CRAFT CABLES | ADMIRAL OUTER SHADE NICKEL INNER SHADE | SUSPENDED DUAL FELT SHADE WITH INTEGRAL LED MODULE. SUPPORTED BY THREE (3) AIR CRAFT CABLES TO A SINGLE CANOPY, WHITE RECESSED CANOPY, WHITE POWER CORD. WDE DISTRIBUTION. |
| Q5 | APPROVED EQUAL TO:<br>ACOLYTE<br>OPTIC ARTS<br>XICATO<br>NOVA FLEX | NEONLYTE FLEX DC SL412 BOXA 5W XLF-5W PRO 80 | 120V | 3500K | 80 | 115 LM/FT | 3 W/FT | 10% 0-10V DIM | SEE PLANS FOR LENGTH | STRAIGHT THIN ALUMINUM CHANNEL | -- | FURNISH AND INSTALL FIELD-CUTTABLE LED TAPE LIGHTING MOUNTED WITHIN CASEWORK FOR INDIRECT GLOW. INSTALL IN STRAIGHT ALUMINUM CHANNEL WITH FROSTED DIFFUSER, EQUAL TO NOVA FLEX 1107. PROVIDE REMOTE LINE VOLTAGE TO LOW VOLTAGE DRIVER. ONE DRIVER PER LOCATION SERVING MULTIPLE LED TAPE SECTIONS. FIELD LOCATE DRIVER, INSTALLED ABOVE ACCESSIBLE CEILING. INCLUDE ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION. |
| R5.5 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3000K | 80+ | 600 LM/FT | 36 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>5'-6" L | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| R6 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3000K | 80+ | 600 LM/FT | 39 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>6'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| R7.5 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3000K | 80+ | 600 LM/FT | <varies> W | 1% 0-10V DIM | <varies> | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| R10 | EQUAL TO:<br>PRUDENTIAL | BIONIC 3 | MVOLT | 3000K | 80+ | 600 LM/FT | 58 W | 1% 0-10V DIM | 4-1/2" H<br>3' W<br>10'-0" L | RECESSED T-GRID | WHITE | RECESSED LINEAR PERIMETER WALL WASH. EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| S1 | EQUAL TO:<br>NULITE<br>FOCAL POINT<br>CORONET<br>AXIS LIGHTING | RP44<br>FSM4LS<br>L54 LED<br>BEAM4 | MVOLT | 3500K | 80+ | 1000 LM/FT | 69.2 W | 1% 0-10V DIM | 4-1/2" H<br>4' W<br>8'-0" L | SURFACE CEILING | WHITE VERIFY W/ ARCH | RECESSED LINEAR, EXTRUDED ALUMINUM HOUSING AND REFLECTORS, WITH DIE-FORMED COLD ROLLED STEEL INTERNAL BRACKETS. SNAP-IN ACRYLIC LENS. POWDER COAT FINISH. |
| Y1 | EQUAL TO:<br>MAXLUME<br>LITHONIA<br>HALO<br>H.E. WILLIAMS | HHR6-LED<br>LBR6<br>HC6R<br>6DR-REMODEL | MVOLT | 4000K | 80 | 1000 | 10 W | 10% 0-10V DIM | 6-5/8"H<br>6" TRIM<br>5-13/16" DIA APERTURE | RECESSED (T-GRID OR GYP) | WHITE | 6" LENSLESS RECESSED DOWNLIGHT, SPUN ALUMINUM SEMI-SPECULAR REFLECTOR, WHITE ALUMINUM TRIM, REMODEL HOUSING WITH FORGED ALUMINUM HEAT SINK. |
| Z2 | EQUAL TO:<br>NLS LIGHTING<br>MCGRAW EDISON | NV-W<br>GNC | MVOLT | 4000K | 80 | 4900 | 34 W | 30% 0-10V DIM | 8-1/2" H<br>16" W<br>12" D | EXTERIOR WALL | DARK BRONZE | WALL MOUNTED FIXTURE. LOW-PROFILE WEDGE DESIGN HEAD W/ CURVED TOP. EXTRUDED ALUMINUM DRIVER & HEAVY-

## Distribution Panel: LDP0A

**LOCATION:** MECHANICAL 046 | **SUPPLY FROM:** SWBD1 | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1
**VOLTS:** 208/120 Wye | **PHASES:** 3 | **WIRES:** 4 | **OPTIONS:**
**A.I.C. RATING:** 65K | **MAINS TYPE:** MLO | **MAINS RATING:** 800 A | **BUSSING:** 800 A

| CKT | CIRCUIT DESCRIPTION | | # OF POLES | TRIP RATING | Load | REMARKS |
|---|---|---|---|---|---|---|
| 1 | PANELS L1A / L1B | | 3 | 200 A | 88922 | |
| 2 | EXISTING PANEL 101 | | 3 | 200 A | 442 | NOTE 1 |
| 3 | SPARE | -- | 3 | 200 A | 0 | |
| 4 | SPARE | -- | 3 | 200 A | 0 | |
| 5 | EXISTING PANEL EDP | | 3 | 400 A | 0 | NOTE 1 |
| 6 | EXISTING WELDER OUTLETS | | 3 | 50 A | 0 | NOTE 1 |
| 7 | EXISTING PANEL BO1 | | 3 | 100 A | 0 | NOTE 1 |
| 8 | EXISTING CHILLER PUMP #5 | | 3 | 100 A | 0 | NOTE 1 |
| 9 | EXISTING CHILLER PUMP #6 | | 2 | 100 A | 0 | NOTE 1 |
| 10 | EXISTING AIR CONDITIONER 2 | | 3 | 200 A | 0 | NOTE 1 |
| 11 | SPARE | -- | 3 | 100 A | 0 | |
| 12 | SPARE | -- | 3 | 60 A | 0 | |
| 13 | SPARE | -- | 3 | 30 A | 0 | |
| 14 | SPARE | -- | 3 | 30 A | 0 | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| | | | | | 89364 VA | |
| | | | | | 248 A | |

**NOTES:**
1. RECONNECT EXISTING LOAD. VERIFY BREAKER SIZE TO MATCH EXISTING FUSE SIZE. EXTEND EXISTING CONDUIT AND CONDUCTORS AS NECESSARY.

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS | |
|---|---|---|---|---|---|
| Motor/HVAC/Mech | 3754 VA | 100% | 3754 VA | | |
| Other | 0 VA | 0% | 0 VA | TOTAL CONN. LOAD: | 89364 VA |
| Receptacle, Convenience | 80340 VA | 56.22% | 45170 VA | TOTAL EST. DEMAND: | 55512 VA |
| Lighting | 5213 VA | 125% | 6591 VA | TOTAL CONN.: | 248 A |
| Receptacle,Non-Convenience/Power | 0 VA | 0% | 0 VA | TOTAL EST. DEMAND: | 154 A |
| Power | 0 VA | 0% | 0 VA | | |

## PANELBOARD: L1A

**LOCATION:** EXISTING MECHANICAL 119 | **SUPPLY FROM:** LDP0A | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1
**VOLTS:** 208/120 Wye | **PHASES:** 3 | **WIRES:** 4 | **OPTIONS:** FEED THRU LUGS
**A.I.C. RATING:** 22K | **MAINS TYPE:** MLO | **MAINS RATING:** 200 A | **BUSSING:** 200 A

**Notes:**

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLES, RM 119, 149 | 20 A | 1 | 720 552 | | | 1 | 20 A | LIGHTING, RM 124-126, 131-134, 136 | 2 |
| 3 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | 1080 552 | | 1 | 20 A | LIGHTING, WORKSTATIONS 130, 149 | 4 |
| 5 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | | 1080 612 | 1 | 20 A | LIGHTING, RM 121, 127, 149 | 6 |
| 7 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | 1080 716 | | | 1 | 20 A | LIGHTING, RM 112-119, 122, 123 | 8 |
| 9 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | 1080 441 | | 1 | 20 A | LIGHTING, RM 110, 111, 116, 117, 151-155 | 10 |
| 11 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | | 1080 1143 | 1 | 20 A | LIGHTING, RM 131-147 | 12 |
| 13 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 141 | 20 A | 1 | 1080 482 | | | 1 | 20 A | LIGHTING, RM 118-120, 135, 148, 150, 163 | 14 |
| 15 | RECEPTACLE, WORKSTATIONS 141 | 20 A | 1 | | 1080 180 | | 1 | 20 A | LIGHTING, RM 101-104, 108, 160, 871-1 | 16 |
| 17 | RECEPTACLE, WORKSTATIONS 141 | 20 A | 1 | | | 1080 832 | 2 | 15 A | FCU-2, ELEVATOR LOBBY 104 | 18 |
| 19 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | 1080 832 | | | | | | 20 |
| 21 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | 1080 212 | | 1 | 15 A | GUH-4 4 GUH-5, ROOMS 101, 103 | 22 |
| 23 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 150 | 20 A | 1 | | | 1080 696 | 1 | 15 A | EF-1, OFFICE 241 | 24 |
| 25 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 150 | 20 A | 1 | 1080 0 | | | 1 | 20 A | -- SPARE | 26 |
| 27 | RECEPTACLES, WORKSTATIONS 149 | 20 A | 1 | | 720 0 | | 1 | 20 A | -- SPARE | 28 |
| 29 | RECEPTACLES, WORKSTATIONS 115 | 20 A | 1 | | | 720 0 | 1 | 20 A | -- SPARE | 30 |
| 31 | RECEPTACLES, WORKSTATIONS 115 | 20 A | 1 | 720 0 | | | 1 | 20 A | -- SPARE | 32 |
| 33 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | 1080 0 | | 1 | 20 A | -- SPARE | 34 |
| 35 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | | 1080 0 | 1 | 20 A | -- SPARE | 36 |
| 37 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | 1080 0 | | | 1 | 20 A | -- SPARE | 38 |
| 39 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | 1080 0 | | 1 | 20 A | -- SPARE | 40 |
| 41 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | | 1080 0 | 1 | 20 A | -- SPARE | 42 |
| 43 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | 1080 0 | | | 1 | 20 A | -- SPARE | 44 |
| 45 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 149 | 20 A | 1 | | 1080 0 | | 1 | 20 A | -- SPARE | 46 |
| 47 | RECEPTACLE, WORKSTATIONS 141 | 20 A | 1 | | | 1080 0 | 1 | 20 A | -- SPARE | 48 |
| 49 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 141 | 20 A | 1 | 1080 0 | | | 1 | 20 A | -- SPARE | 50 |
| 51 | RECEPTACLE, WORKSTATIONS 141 | 20 A | 1 | | 1080 0 | | 1 | 20 A | -- SPARE | 52 |
| 53 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 150 | 20 A | 1 | | | 1080 0 | 1 | 20 A | -- SPARE | 54 |
| 55 | TF-1 | 15 A | 1 | 528 0 | | | 1 | 20 A | -- SPARE | 56 |
| 57 | RECEPTACLE 4 ATG PNL, EXISTING MECHANICAL 119 | 20 A | 1 | | 180 0 | | 1 | 20 A | -- SPARE | 58 |
| 59 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 60 |
| | TOTAL LOAD (VA): | | | 30288... | 30965... | 27889... | | | | |
| | TOTAL AMPS: | | | 256 A | 261 A | 230.7 A | | | | |

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS | |
|---|---|---|---|---|---|
| Motor/HVAC/Mech | 3312 VA | 100% | 3312 VA | | |
| Receptacle, Convenience | 80340 VA | 56.22% | 45170 VA | TOTAL CONN. LOAD (VA): | 88922 VA |
| Lighting | 5213 VA | 125% | 6591 VA | TOTAL EST. DEMAND (VA): | 55070 VA |
| Power | 0 VA | 0% | 0 VA | TOTAL CONNECTED: | 247 A |
| | | | | TOTAL EST. DEMAND: | 153 A |

## PANELBOARD: L1B

**LOCATION:** EXISTING MECHANICAL 119 | **SUPPLY FROM:** L1A | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1
**VOLTS:** 208/120 Wye | **PHASES:** 3 | **WIRES:** 4 | **OPTIONS:**
**A.I.C. RATING:** 22K | **MAINS TYPE:** MLO | **MAINS RATING:** 200 A | **BUSSING:** 200 A

**Notes:**
1. PROVIDE GFCI BREAKER.

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLE, RESPITE 121 | 20 A | 1 | 720 540 | | | 1 | 20 A | RECEPTACLE, RM 112, 123, 122 | 2 |
| 3 | RECEPTACLE, MEETING 125 | 20 A | 1 | | 1260 900 | | 1 | 20 A | RECEPTACLE, OFFICE 124 | 4 |
| 5 | RECEPTACLE, MEETING 121 | 20 A | 1 | | | 1080 900 | 1 | 20 A | RECEPTACLE, OFFICE 126 | 6 |
| 7 | RECEPTACLE, MEETING 124 | 20 A | 1 | 900 720 | | | 1 | 20 A | RECEPTACLES, WORKSTATIONS 115 | 8 |
| 9 | MICROWAVE, MOTHER'S ROOM 122 | 20 A | 1 | | 1500 1080 | | 1 | 20 A | RECEPTACLE, MEETING 110 | 10 |
| 11 | RECEPTACLE, WORKSTATIONS 115 | 20 A | 1 | | | 720 1080 | 1 | 20 A | RECEPTACLE, MEETING 111 | 12 |
| 13 | RECEPTACLE, OFFICE 134 | 20 A | 1 | 900 1080 | | | 1 | 20 A | RECEPTACLE, OFFICE 131 | 14 |
| 15 | RECEPTACLE, OFFICE 133 | 20 A | 1 | | 900 720 | | 1 | 20 A | RECEPTACLE, HALLWAY 150 | 16 |
| 17 | RECEPTACLE, OFFICE 132 | 20 A | 1 | | | 900 540 | 1 | 20 A | RECEPTACLE, HALLWAY 150 | 18 |
| 19 | RECEPTACLE, HALLWAY 109 (NOTE 1) | 20 A | 1 | 720 1080 | | | 1 | 20 A | RECEPTACLE, MEETING 151 | 20 |
| 21 | RECEPTACLE, RM 113, 112 | 20 A | 1 | | 360 900 | | 1 | 20 A | RECEPTACLE, OFFICE 147 | 22 |
| 23 | RECEPTACLE, INTERNS 134 | 20 A | 1 | | | 720 1260 | 1 | 20 A | RECEPTACLE, LOBBY 116 | 24 |
| 25 | RECEPTACLE, INTERNS 134 | 20 A | 1 | 1080 900 | | | 1 | 20 A | RECEPTACLE, OFFICE 142 | 26 |
| 27 | RECEPTACLE, INTERNS 134 | 20 A | 1 | | 720 1080 | | 1 | 20 A | RECEPTACLE, MEETING 143 | 28 |
| 29 | RECEPTACLE, OFFICE 140 | 20 A | 1 | | | 900 900 | 1 | 20 A | RECEPTACLE, OFFICE 144 | 30 |
| 31 | RECEPTACLE, OFFICE 146 | 20 A | 1 | 900 180 | | | 1 | 20 A | COPIER, RECEPTION 114 | 32 |
| 33 | RECEPTACLE, RECEPTION 114 | 20 A | 1 | | 1080 1080 | | 1 | 20 A | RECEPTACLE, MEETING 149 | 34 |
| 35 | RECEPTACLE, RM 872-1, 163 | 20 A | 1 | | | 286 540 | 1 | 20 A | RECEPTACLE, RM 137, 130 | 36 |
| 37 | REFRIGERATOR, KITCHENETTE 138 | 20 A | 1 | 1500 720 | | | 1 | 20 A | RECEPTACLE, HALLWAY 160 | 38 |
| 39 | RECEPTACLE, KITCHENETTE 138 | 20 A | 1 | | 540 1080 | | 1 | 20 A | RECEPTACLE, RECEPTION 114 | 40 |
| 41 | MICROWAVE, KITCHENETTE 138 | 20 A | 1 | | | 1500 1500 | 1 | 20 A | MICROWAVE, FAMILY ROOM 155 | 42 |
| 43 | L5-30 RECEPTACLE, DATA 120 | 30 A | 1 | 2880 720 | | | 1 | 20 A | RECEPTACLE, DATA 120 | 44 |
| 45 | L5-30 RECEPTACLE, DATA 120 | 30 A | 1 | | 2880 360 | | 1 | 20 A | DEDICATED RECEPTACLE, DATA 120 | 46 |
| 47 | SPARE -- | 20 A | 1 | | | 0 360 | 1 | 20 A | DEDICATED RECEPTACLE, DATA 120 | 48 |
| 49 | SPARE -- | 20 A | 1 | 0 2040 | | | 1 | 20 A | RECEPTACLE, FAMILY ROOM 155 | 50 |
| 51 | RECEPTACLE, MEETING 117 | 20 A | 1 | | 1080 2040 | | 1 | 20 A | RECEPTACLE, FAMILY ROOM 152 | 52 |
| 53 | RECEPTACLE, WORKSTATIONS 141 | 20 A | 1 | | | 360 1500 | 1 | 20 A | MICROWAVE, FAMILY ROOM 152 | 54 |
| 55 | RECEPTACLE, GUH-3, VESTIBULE 120 | 20 A | 1 | 286 0 | | | 1 | 20 A | -- SPARE | 56 |
| 57 | MONITOR RECEPT., SECURITY STATION 106 | 20 A | 1 | | 180 0 | | 1 | 20 A | -- SPARE | 58 |
| 59 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 60 |
| | TOTAL LOAD (VA): | | | 17866... | 19740... | 15046... | | | | |
| | TOTAL AMPS: | | | 152 A | 168 A | 125.4 A | | | | |

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS | |
|---|---|---|---|---|---|
| Motor/HVAC/Mech | 212 VA | 100% | 212 VA | | |
| Receptacle, Convenience | 52440 VA | 54.53% | 31220 VA | TOTAL CONN. LOAD (VA): | 52652 VA |
| | | | | TOTAL EST. DEMAND (VA): | 31432 VA |
| | | | | TOTAL CONNECTED: | 146 A |
| | | | | TOTAL EST. DEMAND: | 87 A |

## PANELBOARD: L2A

**LOCATION:** EXISTING ELEC. 264 | **SUPPLY FROM:** SWBD1 | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1
**VOLTS:** 208/120 Wye | **PHASES:** 3 | **WIRES:** 4 | **OPTIONS:** FEED THRU LUGS
**A.I.C. RATING:** 42K | **MAINS TYPE:** MLO | **MAINS RATING:** 200 A | **BUSSING:** 200 A

**Notes:**

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLE, OFFICE 241 | 20 A | 1 | 720 1231 | | | 1 | 20 A | LIGHTING, RM 223-225, 235-242, 261, 263 | 2 |
| 3 | RECEPTACLE, OFFICE 242 | 20 A | 1 | | 720 430 | | 1 | 20 A | LIGHTING, WORKSTATIONS 233, 234 | 4 |
| 5 | RECEPTACLE, OFFICE 240 | 20 A | 1 | | | 720 493 | 1 | 20 A | LIGHTING, RM 203, 204, 230-232 | 6 |
| 7 | RECEPTACLE, WORKSTATIONS 234 | 20 A | 1 | 360 961 | | | 1 | 20 A | LIGHTING, RM 205-207, 209 | 8 |
| 9 | RECEPTACLE, WORKSTATIONS 234 | 20 A | 1 | | 360 350 | | 1 | 20 A | LIGHTING, RM 208, 250 | 10 |
| 11 | RECEPTACLE, WORKSTATIONS 234 | 20 A | 1 | | | 360 1500 | 1 | 20 A | REFRIGERATOR RECEPTACLE, BREAK ROOM 238 | 12 |
| 13 | RECEPTACLE, BREAK ROOM 238 | 20 A | 1 | 900 540 | | | 1 | 20 A | RECEPTACLE, OFFICE 241 | 14 |
| 15 | MICROWAVE RECEPTACLE, BREAK ROOM 238 | 20 A | 1 | | 1500 540 | | 1 | 20 A | RECEPTACLE, OFFICE 242 | 16 |
| 17 | LIGHTING, RM 227, 228, 243, 260 | 20 A | 1 | | | 382 540 | 1 | 20 A | RECEPTACLE, OFFICE 240 | 18 |
| 19 | LIGHTING, RM 217-222, 226 | 20 A | 1 | 988 540 | | | 1 | 20 A | RECEPTACLE, OFFICE 239 | 20 |
| 21 | LIGHTING, RM 212-216, 231 | 20 A | 1 | | 507 360 | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 234 | 22 |
| 23 | RECEPTACLE, OFFICE 234 | 20 A | 1 | | | 720 360 | 1 | 20 A | RECEPTACLE, WORKSTATIONS 234 | 24 |
| 25 | RECEPTACLE, WORKSTATIONS 234 | 20 A | 1 | 360 360 | | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 234 | 26 |
| 27 | RECEPTACLE, WORKSTATIONS 234 | 20 A | 1 | | 360 360 | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 234 | 28 |
| 29 | RECEPTACLE, WORKSTATIONS 234 | 20 A | 1 | | | 360 360 | 1 | 20 A | RECEPTACLE, WORKSTATIONS 234 | 30 |
| 31 | RECEPTACLE, WORKSTATIONS 234 | 20 A | 1 | 360 360 | | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 234 | 32 |
| 33 | RECEPTACLE, WORKSTATIONS 234 | 20 A | 1 | | 360 360 | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 234 | 34 |
| 35 | COPIER RECEPTACLE, PRINT 231 | 20 A | 1 | | | 360 360 | 1 | 20 A | RECEPTACLE, WORKSTATIONS 234 | 36 |
| 37 | RECEPTACLE, BREAK ROOM 238 | 20 A | 1 | 360 9768 | | | | | | 38 |
| 39 | SPARE -- | 20 A | 1 | | 360 11736 | | 3 | 100 A | PANEL L2C | 40 |
| 41 | SPARE -- | 20 A | 1 | | | 360 7320 | | | | 42 |
| | TOTAL LOAD (VA): | | | 28924... | 28152... | 26045... | | | | |
| | TOTAL AMPS: | | | 244 A | 237 A | 217.5 A | | | | |

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS | |
|---|---|---|---|---|---|
| Motor/HVAC/Mech | 1704 VA | 100% | 1704 VA | | |
| Receptacle, Convenience | 75660 VA | 56.81% | 42930 VA | TOTAL CONN. LOAD (VA): | 88170 VA |
| Lighting | 5307 VA | 125% | 7254 VA | TOTAL EST. DEMAND (VA): | 51791 VA |
| | | | | TOTAL CONNECTED: | 231 A |
| | | | | TOTAL EST. DEMAND: | 144 A |

## PANELBOARD: L2B

**LOCATION:** EXISTING ELEC. 264 | **SUPPLY FROM:** L2A | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1
**VOLTS:** 208/120 Wye | **PHASES:** 3 | **WIRES:** 4 | **OPTIONS:**
**A.I.C. RATING:** 42K | **MAINS TYPE:** MLO | **MAINS RATING:** 200 A | **BUSSING:** 200 A

**Notes:**

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLES, OFFICE 222 | 20 A | 1 | 900 900 | | | 1 | 20 A | RECEPTACLE, OFFICE 223 | 2 |
| 3 | RECEPTACLE, OFFICE 221 | 20 A | 1 | | 900 900 | | 1 | 20 A | RECEPTACLE, OFFICE 224 | 4 |
| 5 | RECEPTACLE, OFFICE 220 | 20 A | 1 | | | 900 900 | 1 | 20 A | RECEPTACLE, OFFICE 225 | 6 |
| 7 | RECEPTACLE, RM 210, 214 | 20 A | 1 | 1080 900 | | | 1 | 20 A | RECEPTACLE, OFFICE 216 | 8 |
| 9 | RECEPTACLE, WORKSTATIONS 210 | 20 A | 1 | | 720 900 | | 1 | 20 A | RECEPTACLE, OFFICE 215 | 10 |
| 11 | RECEPTACLE, OFFICE 217 | 20 A | 1 | | | 900 900 | 1 | 20 A | RECEPTACLE, OFFICE 214 | 12 |
| 13 | RECEPTACLE, MEETING ROOM 213 | 20 A | 1 | 1080 900 | | | 1 | 20 A | RECEPTACLE, HALLWAY 220 | 14 |
| 15 | RECEPTACLE, WORKSTATIONS 210 | 20 A | 1 | | 720 1500 | | 1 | 20 A | COPIER RECEPTACLE, HALLWAY 228 | 16 |
| 17 | RECEPTACLE, STAGING ROOM 211 | 20 A | 1 | | | 900 1440 | 1 | 20 A | RECEPTACLE, MEETING ROOM 228 | 18 |
| 19 | RECEPTACLE, MEETING ROOM 228 | 20 A | 1 | 720 360 | | | 1 | 20 A | DEDICATED RECEPTACLE, WORK ROOM 231 | 20 |
| 21 | DEDICATED RECEPTACLE, WORK ROOM 231 | 20 A | 1 | | 360 360 | | 1 | 20 A | DEDICATED RECEPTACLE, WORK ROOM 231 | 22 |
| 23 | DEDICATED RECEPTACLE, WORK ROOM 231 | 20 A | 1 | | | 360 900 | 1 | 20 A | RECEPTACLE, WORK ROOM 231 | 24 |
| 25 | RECEPTACLE, WORK ROOM 231 | 20 A | 1 | 900 720 | | | 1 | 20 A | RECEPTACLE, OFFICE 236 | 26 |
| 27 | RECEPTACLE, OFFICE 235 | 20 A | 1 | | 720 540 | | 1 | 20 A | RECEPTACLE, OFFICE 236 | 28 |
| 29 | RECEPTACLE, OFFICE 235 | 20 A | 1 | | | 540 900 | 1 | 20 A | RECEPTACLE, HALLWAY 244 | 30 |
| 31 | RECEPTACLE, PRINT 231 | 20 A | 1 | 720 720 | | | 1 | 20 A | RECEPTACLE, HALLWAY 244 | 32 |
| 33 | PLOTTER RECEPTACLE, PRINT 231 | 20 A | 1 | | 1500 720 | | 1 | 20 A | RECEPTACLE, HALLWAY 244 | 34 |
| 35 | COPIER RECEPTACLE, PRINT 231 | 20 A | 1 | | | 1500 1260 | 1 | 20 A | RECEPTACLE, RM 243, 260, 261, 263 | 36 |
| 37 | RECEPTACLE, BREAK ROOM 238 | 20 A | 1 | 900 360 | | | 1 | 20 A | RECEPTACLES, COLLABORATION 240 | 38 |
| 39 | SPARE -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- SPARE | 40 |
| 41 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 42 |
| | TOTAL LOAD (VA): | | | 11160 VA | 9840 VA | 11400... | | | | |
| | TOTAL AMPS: | | | 93 A | 82 A | 95.7 A | | | | |

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS | |
|---|---|---|---|---|---|
| Receptacle, Convenience | 32400 VA | 65.43% | 21200 VA | | |
| | | | | TOTAL CONN. LOAD (VA): | 32400 VA |
| | | | | TOTAL EST. DEMAND (VA): | 21200 VA |
| | | | | TOTAL CONNECTED: | 90 A |
| | | | | TOTAL EST. DEMAND: | 54 A |

## PANELBOARD: L2C

**LOCATION:** DATA 252 | **SUPPLY FROM:** L2A | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1
**VOLTS:** 208/120 Wye | **PHASES:** 3 | **WIRES:** 4 | **OPTIONS:**
**A.I.C. RATING:** 10K | **MAINS TYPE:** MLO | **MAINS RATING:** 100 A | **BUSSING:** 100 A

**Notes:**
1. PROVIDE GFCI BREAKER.

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLE, DATA 252 | 20 A | 1 | 720 2880 | | | 1 | 30 A | L5-30 RECEPTACLE, DATA 252 | 2 |
| 3 | RECEPTACLE, DATA 252 | 20 A | 1 | | 720 2880 | | 1 | 30 A | L5-30 RECEPTACLE, DATA 252 | 4 |
| 5 | RECEPTACLE, DATA 252 | 20 A | 1 | | | 540 0 | 1 | 20 A | -- SPARE | 6 |
| 7 | RECEPTACLE, SUPER COMPUTER ROOM 212 | 20 A | 1 | 900 0 | | | 1 | 20 A | -- SPARE | 8 |
| 9 | COPIER RECEPTACLE, RECEPTION 209 | 20 A | 1 | | 1500 900 | | 1 | 20 A | RECEPTACLE, RECEPTION 209 | 10 |
| 11 | RECEPTACLE, RM 208, 250 | 20 A | 1 | | | 1080 1500 | 1 | 20 A | MICROWAVE RECEPTACLE, HSZ BREAK ROOM 206 | 12 |
| 13 | RECEPTACLE, HSZ BREAK ROOM 206 | 20 A | 1 | 720 1500 | | | 1 | 20 A | REFRIGERATOR RECEPTACLE, HSZ BREAK ROOM 206 | 14 |
| 15 | RECEPTACLE, HSZ BREAK ROOM 206 | 20 A | 1 | | 900 1500 | | 1 | 20 A | REFRIGERATOR RECEPTACLE, HSZ BREAK ROOM 206 | 16 |
| 17 | MICROWAVE RECEPTACLE, HSZ BREAK ROOM 206 | 20 A | 1 | | | 1500 900 | 1 | 20 A | RECEPTACLE, SHARED CONFERENCE ROOM 207 | 18 |
| 19 | RECEPTACLE, HSZ MULTI PURPOSE ROOM 205 | 20 A | 1 | 1080 360 | | | 1 | 20 A | FLOOR RECEPTACLE, SHARED CONFERENCE ROOM 207 | 20 |
| 21 | RECEPTACLE, HSZ MULTI PURPOSE ROOM 205 | 20 A | 1 | | 1080 360 | | 1 | 20 A | FLOOR RECEPTACLE, SHARED CONFERENCE ROOM 207 | 22 |
| 23 | RECEPTACLE, SHARED CONFERENCE ROOM 207 | 20 A | 1 | | | 720 360 | 1 | 20 A | FLOOR RECEPTACLE, HSZ MULTI PURPOSE ROOM 205 | 24 |
| 25 | RECEPTACLE, IT LOBBY 230 | 20 A | 1 | 720 360 | | | 1 | 20 A | FLOOR RECEPTACLE, HSZ MULTI PURPOSE ROOM 205 | 26 |
| 27 | FLOOR RECEPTACLE, HSZ MULTI PURPOSE ROOM 205 | 20 A | 1 | | 360 360 | | 1 | 20 A | FLOOR RECEPTACLE, HSZ MULTI PURPOSE ROOM 205 | 28 |
| 29 | FLOOR RECEPTACLE, HSZ MULTI PURPOSE ROOM 205 | 20 A | 1 | | | 360 360 | 1 | 20 A | EXISTING EMC HALLWAY 250 | 30 |
| 31 | TF-2, WORK ROOM 231 | 15 A | 1 | 528 0 | | | 1 | 20 A | -- SPARE | 32 |
| 33 | FCU-3, CORRIDOR 202 | 20 A | 1 | | 1178 0 | | 1 | 20 A | -- SPARE | 34 |
| 35 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 36 |
| 37 | SPARE -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- SPARE | 38 |
| 39 | SPARE -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- SPARE | 40 |
| 41 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE (NOTE 1) | 42 |
| | TOTAL LOAD (VA): | | | 9768 VA | 11736 VA | 7320 VA | | | | |
| | TOTAL AMPS: | | | 85 A | 101 A | 61 A | | | | |

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS | |
|---|---|---|---|---|---|
| Motor/HVAC/Mech | 1704 VA | 100% | 1704 VA | | |
| Receptacle, Convenience | 27120 VA | 66.44% | 18560 VA | TOTAL CONN. LOAD (VA): | 28824 VA |
| | | | | TOTAL EST. DEMAND (VA): | 20264 VA |
| | | | | TOTAL CONNECTED: | 80 A |
| | | | | TOTAL EST. DEMAND: | 56 A |


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**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM2 | 05.20.26 |

REGISTERED PROFESSIONAL ENGINEER
ANTHONY R. NELSON
PE - 8251
DATE 05/20/2026
NORTH DAKOTA

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2nd AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
2025217

SHEET
**E831**

**PANEL SCHEDULES**

5/20/2026 1:44:33 PM

## PANELBOARD: L3A

**LOCATION:** EXISTING ELEC. 334 — **VOLTS:** 208/120 Wye — **A.I.C. RATING:** 42K
**SUPPLY FROM:** SMBD1 — **PHASES:** 3 — **MAINS TYPE:** MLO
**MOUNTING:** SURFACE — **WIRES:** 4 — **MAINS RATING:** 200 A
**ENCLOSURE:** NEMA 1 — **OPTIONS:** FEED THRU LUGS — **BUSSING:** 200 A

**Notes:**

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LIGHTING, RM 330-334, 336, 345-350 | 20 A | 1 | 912 1080 | | | 1 | 20 A | RECEPTACLE, EXEC. OFFICE 347 | 2 |
| 3 | LIGHTING, RM 322-328 | 20 A | 1 | | 716 900 | | 1 | 20 A | RECEPTACLE, OFFICE 345 | 4 |
| 5 | LIGHTING, RM 335-338, 362, 363 | 20 A | 1 | | | 361 900 | 1 | 20 A | RECEPTACLE, OFFICE 350 | 6 |
| 7 | LIGHTING, RM 351-355 | 20 A | 1 | 569 720 | | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 355 | 8 |
| 9 | LIGHTING, RM 320-322, 356, 357 | 20 A | 1 | | 693 720 | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 355 | 10 |
| 11 | LIGHTING, RM 300, 324, 364 | 20 A | 1 | | | 347 900 | 1 | 20 A | RECEPTACLE, OFFICE 348 | 12 |
| 13 | LIGHTING, RM 309-310 | 20 A | 1 | 900 720 | | | 1 | 20 A | RECEPTACLE, RM 333, 334, 362 | 14 |
| 15 | LIGHTING, RM 303, 304, 311, 312 | 20 A | 1 | | 547 900 | | 1 | 20 A | RECEPTACLE, OFFICE 356 | 16 |
| 17 | LIGHTING, RM 313-314, 350-361 | 20 A | 1 | | | 1069 900 | 1 | 20 A | RECEPTACLE, OFFICE 357 | 18 |
| 19 | RECEPTACLE, OFFICE 345 | 20 A | 1 | 900 1500 | | | 1 | 20 A | COPIER RECEPTACLE, HALLWAY 363 | 20 |
| 21 | RECEPTACLE, OFFICE 352 | 20 A | 1 | | 900 900 | | 1 | 20 A | RECEPTACLE, RM 351, 363 | 22 |
| 23 | RECEPTACLE, OFFICE 353 | 20 A | 1 | | | 900 360 | 1 | 20 A | RECEPTACLES, COLLABORATION 362 | 24 |
| 25 | RECEPTACLE, OFFICE 354 | 20 A | 1 | 900 0 | | | 1 | 20 A | -- SPARE | 26 |
| 27 | RECEPTACLE, OFFICE 345 | 20 A | 1 | | 900 0 | | 1 | 20 A | -- SPARE | 28 |
| 29 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 30 |
| 31 | SPARE -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- SPARE | 32 |
| 33 | SPARE -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- SPARE | 34 |
| 35 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 36 |
| 37 | SPARE -- | 20 A | 1 | 0 112.. | | | 3 100 A | | PANEL L3C | 38 |
| 39 | SPARE -- | 20 A | 1 | | 0 1541.. | | | | | 40 |
| 41 | SPARE -- | 20 A | 1 | | | 0 1541 | | | | 42 |

**TOTAL LOAD (VA):** 26044... 28074... 18744...
**TOTAL AMPS:** 226 A 243 A 156.2 A

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS |
|---|---|---|---|---|
| Motor/HVAC/Mech | 1704 VA | 100% | 1704 VA | |
| Receptacle, Convenience | 64680 VA | 57.73% | 37340 VA | TOTAL CONN. LOAD (VA): 72862 VA |
| Lighting | 6485 VA | 125% | 8107 VA | TOTAL EST. DEMAND (VA): 47149 VA |
| Receptacle,Non-Convenience/Power | 0 VA | 0% | 0 VA | TOTAL CONNECTED: 202 A |
| | | | | TOTAL EST. DEMAND: 131 A |

## PANELBOARD: L3B

**LOCATION:** EXISTING ELEC. 334 — **VOLTS:** 208/120 Wye — **A.I.C. RATING:** 42K
**SUPPLY FROM:** L3A — **PHASES:** 3 — **MAINS TYPE:** MLO
**MOUNTING:** SURFACE — **WIRES:** 4 — **MAINS RATING:** 200 A
**ENCLOSURE:** NEMA 1 — **OPTIONS:** — **BUSSING:** 200 A

**Notes:**

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLE, RM 330, 331, 332 | 20 A | 1 | 720 900 | | | 1 | 20 A | RECEPTACLE, EXEC. OFFICE 326 | 2 |
| 3 | RECEPTACLE, OFFICE 328 | 20 A | 1 | | 900 720 | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 325 | 4 |
| 5 | RECEPTACLE, OFFICE 327 | 20 A | 1 | | | 900 720 | 1 | 20 A | RECEPTACLE, WORKSTATIONS 325 | 6 |
| 7 | RECEPTACLE, OFFICE 324 | 20 A | 1 | 900 900 | | | 1 | 20 A | RECEPTACLE, OFFICE 320 | 8 |
| 9 | RECEPTACLE, WORKSTATIONS 323 | 20 A | 1 | | 720 900 | | 1 | 20 A | RECEPTACLE, OFFICE 321 | 10 |
| 11 | RECEPTACLE, WORKSTATIONS 323 | 20 A | 1 | | | 720 1500 | 1 | 20 A | RECEPTACLE, COLLABORATION 335 | 12 |
| 13 | RECEPTACLE, RM 335, 336 | 20 A | 1 | 900 360 | | | 1 | 20 A | FLOOR RECEPTACLE, MEETING ROOM 322 | 14 |
| 15 | RECEPTACLE, MEETING ROOM 322 | 20 A | 1 | | 1080 900 | | 1 | 20 A | RECEPTACLE, OFFICE 317 | 16 |
| 17 | FLOOR RECEPTACLE, MEETING ROOM 322 | 20 A | 1 | | | 360 900 | 1 | 20 A | RECEPTACLE, OFFICE 316 | 18 |
| 19 | RECEPTACLE, OFFICE 315 | 20 A | 1 | 900 900 | | | 1 | 20 A | RECEPTACLE, OFFICE 313 | 20 |
| 21 | RECEPTACLE, OFFICE 314 | 20 A | 1 | | 900 1080 | | 1 | 20 A | RECEPTACLE, RM 364, 365, 329 | 22 |
| 23 | RECEPTACLES, COLLABORATION 335 | 20 A | 1 | | | 360 0 | 1 | 20 A | -- SPARE | 24 |
| 25 | SPARE -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- SPARE | 26 |
| 27 | SPARE -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- SPARE | 28 |
| 29 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 30 |
| 31 | SPARE -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- SPARE | 32 |
| 33 | SPARE -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- SPARE | 34 |
| 35 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 36 |
| 37 | SPARE -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- SPARE | 38 |
| 39 | SPARE -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- SPARE | 40 |
| 41 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 42 |

**TOTAL LOAD (VA):** 6480 VA 7200 VA 5460 VA
**TOTAL AMPS:** 55 A 61 A 45.5 A

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS |
|---|---|---|---|---|
| Receptacle, Convenience | 19140 VA | 76.12% | 14570 VA | |
| | | | | TOTAL CONN. LOAD (VA): 19140 VA |
| | | | | TOTAL EST. DEMAND (VA): 14570 VA |
| | | | | TOTAL CONNECTED: 53 A |
| | | | | TOTAL EST. DEMAND: 40 A |

## PANELBOARD: L3C

**LOCATION:** DATA 314 — **VOLTS:** 208/120 Wye — **A.I.C. RATING:** 10K
**SUPPLY FROM:** L3A — **PHASES:** 3 — **MAINS TYPE:** MLO
**MOUNTING:** SURFACE — **WIRES:** 4 — **MAINS RATING:** 100 A
**ENCLOSURE:** NEMA 1 — **OPTIONS:** — **BUSSING:** 100 A

**Notes:**
1. PROVIDE GFCI BREAKER.

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLE, DATA 314 | 20 A | 1 | 540 2880 | | | 1 | 30 A | L5-30 RECEPTACLE, DATA 314 | 2 |
| 3 | RECEPTACLE, DATA 314 | 20 A | 1 | | 720 2880 | | 1 | 30 A | L5-30 RECEPTACLE, DATA 314 | 4 |
| 5 | RECEPTACLE, DATA 314 | 20 A | 1 | | | 720 0 | 1 | 20 A | -- SPARE | 6 |
| 7 | RECEPTACLE, EXEC. OFFICE 310 | 20 A | 1 | 1080 0 | | | 1 | 20 A | -- SPARE | 8 |
| 9 | RECEPTACLE, OFFICE 309 | 20 A | 1 | | 900 720 | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 311 | 10 |
| 11 | RECEPTACLE, EXEC. OFFICE 308 | 20 A | 1 | | | 900 720 | 1 | 20 A | RECEPTACLE, WORKSTATIONS 311 | 12 |
| 13 | FLOOR RECEPTACLE, COLLABORATION 300 | 20 A | 1 | 360 720 | | | 1 | 20 A | RECEPTACLE, IVAR ROOM 307 | 14 |
| 15 | COPIER RECEPTACLE, HALLWAY 364 | 20 A | 1 | | 1500 1080 | | 1 | 20 A | FLOOR RECEPTACLE, IVAR ROOM 307 | 16 |
| 17 | RECEPTACLE, RM 360, 361 | 20 A | 1 | | | 900 900 | 1 | 20 A | RECEPTACLE, RM 300, 324 | 18 |
| 19 | RECEPTACLE, COLLABORATION 300 | 20 A | 1 | 720 900 | | | 1 | 20 A | RECEPTACLE, OFFICE 310 | 20 |
| 21 | RECEPTACLE, MOTHERS ROOM 306 | 20 A | 1 | | 540 900 | | 1 | 20 A | RECEPTACLE, OFFICE 359 | 22 |
| 23 | RECEPTACLE, BREAK ROOM 305 | 20 A | 1 | | | 360 900 | 1 | 20 A | RECEPTACLE, OFFICE 358 | 24 |
| 25 | MICROWAVE RECEPTACLE, BREAK ROOM 305 | 20 A | 1 | 1500 1500 | | | 1 | 20 A | REFRIGERATOR RECEPTACLE, BREAK ROOM 305 | 26 |
| 27 | MICROWAVE RECEPTACLE, BREAK ROOM 305 | 20 A | 1 | | 1500 1500 | | 1 | 20 A | REFRIGERATOR RECEPTACLE, BREAK ROOM 305 | 28 |
| 29 | RECEPTACLE, BREAK ROOM 305 | 20 A | 1 | | | 900 720 | 1 | 20 A | RECEPTACLE, BREAK ROOM 305 | 30 |
| 31 | MEETING ROOM 312 | 20 A | 1 | 1080 0 | | | 1 | 20 A | -- SPARE | 32 |
| 33 | FCU-4, CORRIDOR 302 | 20 A | 1 | | 1176 0 | | 1 | 20 A | -- SPARE | 34 |
| 35 | TF-3, OFFICE 310 | 20 A | 1 | | | 528 0 | 1 | 20 A | -- SPARE | 36 |
| 37 | SPARE -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- SPARE | 38 |
| 39 | SPARE -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- SPARE | 40 |
| 41 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE (NOTE 1) | 42 |

**TOTAL LOAD (VA):** 11280... 13416 VA 7548 VA
**TOTAL AMPS:** 99 A 117 A 62.9 A

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS |
|---|---|---|---|---|
| Motor/HVAC/Mech | 1704 VA | 100% | 1704 VA | |
| Receptacle, Convenience | 30540 VA | 66.37% | 20270 VA | TOTAL CONN. LOAD (VA): 32244 VA |
| Receptacle,Non-Convenience/Power | 0 VA | 0% | 0 VA | TOTAL EST. DEMAND (VA): 21974 VA |
| | | | | TOTAL CONNECTED: 90 A |
| | | | | TOTAL EST. DEMAND: 61 A |

## PANELBOARD: L4A

**LOCATION:** EXISTING ELEC. 451 — **VOLTS:** 208/120 Wye — **A.I.C. RATING:** 42K
**SUPPLY FROM:** SMBD1 — **PHASES:** 3 — **MAINS TYPE:** MLO
**MOUNTING:** SURFACE — **WIRES:** 4 — **MAINS RATING:** 200 A
**ENCLOSURE:** NEMA 1 — **OPTIONS:** FEED THRU LUGS — **BUSSING:** 200 A

**Notes:**

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLE, WORKSTATIONS 451 | 20 A | 1 | 720 180 | | | 1 | 20 A | LIGHTING HALLWAY 450 | 2 |
| 3 | RECEPTACLE, RM 450, 451 | 20 A | 1 | | 720 425 | | 1 | 20 A | LIGHTING MEETING RM (FUTURE OFF.) 411 | 4 |
| 5 | RECEPTACLE, RM 453, 450, 451 | 20 A | 1 | | | 720 638 | 1 | 20 A | LIGHTING WORKSTATIONS 451 | 6 |
| 7 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | 1080 638 | | | 1 | 20 A | LIGHTING WORKSTATIONS 451 | 8 |
| 9 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | | 1080 1052 | | 1 | 20 A | LIGHTING, RM 403-409, 410-413 | 10 |
| 11 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | | | 1080 1014 | 1 | 20 A | LIGHTING, RM 409, 414-417 | 12 |
| 13 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | 0 452 | | | 1 | 20 A | LIGHTING, RM 452-454, 460 | 14 |
| 15 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | | 360 0 | | 1 | 20 A | -- SPARE | 16 |
| 17 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 18 |
| 19 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | 1080 0 | | | 1 | 20 A | -- SPARE | 20 |
| 21 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | | 1080 0 | | 1 | 20 A | -- SPARE | 22 |
| 23 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | | | 1080 0 | 1 | 20 A | -- SPARE | 24 |
| 25 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | 360 0 | | | 1 | 20 A | -- SPARE | 26 |
| 27 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | | 360 0 | | 1 | 20 A | -- SPARE | 28 |
| 29 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 451 | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 30 |
| 31 | RECEPTACLE, WORKSTATIONS 451 | 20 A | 1 | 720 829 | | | | | | 32 |
| 33 | RECEPTACLE, WORKSTATIONS 451 | 20 A | 1 | | 720 829 | | 3 | 15 A | EF-2, WORKSTATIONS 451 | 34 |
| 35 | RECEPTACLE, WORKSTATIONS 451 | 20 A | 1 | | | 720 829 | | | | 36 |
| 37 | RECEPTACLE, WORKSTATIONS 451 | 20 A | 1 | 720 127... | | | | | | 38 |
| 39 | SPARE -- | 20 A | 1 | | 0 134... | | 3 | 100 A | PANEL L4D | 40 |
| 41 | SPARE -- | 20 A | 1 | | | 0 8748 | | | | 42 |

**TOTAL LOAD (VA):** 25547... 27931... 20408...
**TOTAL AMPS:** 220 A 241 A 170.1 A

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS |
|---|---|---|---|---|
| Motor/HVAC/Mech | 6065 VA | 100% | 6065 VA | |
| Receptacle, Convenience | 63000 VA | 57.44% | 36500 VA | TOTAL CONN. LOAD (VA): 73943 VA |
| Lighting | 4079 VA | 125% | 6098 VA | TOTAL EST. DEMAND (VA): 48663 VA |
| | | | | TOTAL CONNECTED: 205 A |
| | | | | TOTAL EST. DEMAND: 135 A |

## PANELBOARD: L4B

**LOCATION:** EXISTING ELEC. 451 — **VOLTS:** 208/120 Wye — **A.I.C. RATING:** 42K
**SUPPLY FROM:** L4A — **PHASES:** 3 — **MAINS TYPE:** MLO
**MOUNTING:** SURFACE — **WIRES:** 4 — **MAINS RATING:** 200 A
**ENCLOSURE:** NEMA 1 — **OPTIONS:** — **BUSSING:** 200 A

**Notes:**

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLE, OFFICE 420 | 20 A | 1 | 900 832 | | | 2 | 15 A | FCU-1 | 2 |
| 3 | RECEPTACLE, OFFICE 422 | 20 A | 1 | | 900 832 | | | | | 4 |
| 5 | RECEPTACLE, OFFICE 423 | 20 A | 1 | | | 900 0 | 1 | 20 A | -- SPARE | 6 |
| 7 | RECEPTACLE, MEETING RM (FUTURE OFF) 414 | 20 A | 1 | 720 0 | | | 1 | 20 A | -- SPARE | 8 |
| 9 | RECEPTACLE, MEETING ROOM 430 | 20 A | 1 | | 720 0 | | 1 | 20 A | -- SPARE | 10 |
| 11 | RECEPTACLE, HALLWAY 452 | 20 A | 1 | | | 720 0 | 1 | 20 A | -- SPARE | 12 |
| 13 | CEF-1 | 20 A | 1 | 211 0 | | | 1 | 20 A | -- SPARE | 14 |
| 15 | RECEPTACLE, MEETING ROOM 415 | 20 A | 1 | | 720 0 | | 1 | 20 A | -- SPARE | 16 |
| 17 | RECEPTACLE, OFFICE 416 | 20 A | 1 | | | 900 0 | 1 | 20 A | -- SPARE | 18 |
| 19 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 404 | 20 A | 1 | 1080 0 | | | 1 | 20 A | -- SPARE | 20 |
| 21 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 404 | 20 A | 1 | | 1080 0 | | 1 | 20 A | -- SPARE | 22 |
| 23 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 404 | 20 A | 1 | | | 1080 0 | 1 | 20 A | -- SPARE | 24 |
| 25 | RECEPTACLE, OFFICE 417 | 20 A | 1 | 900 0 | | | 1 | 20 A | -- SPARE | 26 |
| 27 | RECEPTACLE, RM 409, 454 | 20 A | 1 | | 720 0 | | 1 | 20 A | -- SPARE | 28 |
| 29 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 404 | 20 A | 1 | | | 1080 0 | 1 | 20 A | -- SPARE | 30 |
| 31 | RECEPTACLE, EXEC. OFFICE 425 | 20 A | 1 | 900 0 | | | 1 | 20 A | -- SPARE | 32 |
| 33 | RECEPTACLE, OFFICE 428 | 20 A | 1 | | 900 0 | | 1 | 20 A | -- SPARE | 34 |
| 35 | RECEPTACLE, OFFICE 431 | 20 A | 1 | | | 900 0 | 1 | 20 A | -- SPARE | 36 |
| 37 | RECEPTACLE, MEETING ROOM 424 | 20 A | 1 | 540 0 | | | 1 | 20 A | -- SPARE | 38 |
| 39 | COPIER RECEPTACLE, HALLWAY 452 | 20 A | 1 | | 1500 0 | | 1 | 20 A | -- SPARE | 40 |
| 41 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 42 |

**TOTAL LOAD (VA):** 6083 VA 7512 VA 5580 VA
**TOTAL AMPS:** 51 A 62 A 46.5 A

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS |
|---|---|---|---|---|
| Motor/HVAC/Mech | 1875 VA | 100% | 1875 VA | |
| Receptacle, Convenience | 17160 VA | 78.14% | 13500 VA | TOTAL CONN. LOAD (VA): 19035 VA |
| | | | | TOTAL EST. DEMAND (VA): 15455 VA |
| | | | | TOTAL CONNECTED: 53 A |
| | | | | TOTAL EST. DEMAND: 43 A |

## PANELBOARD: L4D

**LOCATION:** DATA 414 — **VOLTS:** 208/120 Wye — **A.I.C. RATING:** 10K
**SUPPLY FROM:** L4A — **PHASES:** 3 — **MAINS TYPE:** MLO
**MOUNTING:** SURFACE — **WIRES:** 4 — **MAINS RATING:** 100 A
**ENCLOSURE:** NEMA 1 — **OPTIONS:** — **BUSSING:** 100 A

**Notes:**
1. PROVIDE GFCI BREAKER.

| CKT | CIRCUIT DESCRIPTION | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RECEPTACLE, DATA 414 | 20 A | 1 | 900 2880 | | | 1 | 30 A | L5-30 RECEPTACLE, DATA 414 | 2 |
| 3 | RECEPTACLE, DATA 414 | 20 A | 1 | | 720 2880 | | 1 | 30 A | L5-30 RECEPTACLE, DATA 414 | 4 |
| 5 | RECEPTACLE, DATA 414 | 20 A | 1 | | | 720 0 | 1 | 20 A | -- SPARE | 6 |
| 7 | RECEPTACLE, MEETING RM (FUTURE OFF.) 413 | 20 A | 1 | 900 0 | | | 1 | 20 A | -- SPARE | 8 |
| 9 | RECEPTACLE, RM 409, 454 | 20 A | 1 | | 900 900 | | 1 | 20 A | RECEPTACLE, OFFICE 412 | 10 |
| 11 | RECEPTACLE, RM 453, 460 | 20 A | 1 | | | 720 900 | 1 | 20 A | RECEPTACLE, OFFICE 411 | 12 |
| 13 | RECEPTACLE, WORKSTATIONS 405 | 20 A | 1 | 720 900 | | | 1 | 20 A | RECEPTACLE, MEETING RM (FUTURE OFF.) 410 | 14 |
| 15 | MICROWAVE RECEPTACLE, BREAK ROOM 409 | 20 A | 1 | | 1500 1080 | | 1 | 20 A | RECEPTACLE, WORKSTATIONS 405 | 16 |
| 17 | RECEPTACLE, BREAK ROOM 409 | 20 A | 1 | | | 720 1500 | 1 | 20 A | COPIER RECEPTACLE, HALLWAY 453 | 18 |
| 19 | RECEPTACLE, BREAK ROOM 409 | 20 A | 1 | 900 1500 | | | 1 | 20 A | MICROWAVE RECEPTACLE, BREAK ROOM 409 | 20 |
| 21 | RECEPTACLE, BREAK ROOM 409 | 20 A | 1 | | 540 1500 | | 1 | 20 A | REFRIGERATOR RECEPTACLE, BREAK ROOM 409 | 22 |
| 23 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 409 | 20 A | 1 | | | 1080 1500 | 1 | 20 A | REFRIGERATOR RECEPTACLE, BREAK ROOM 409 | 24 |
| 25 | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 409 | 20 A | 1 | 1080 720 | | | 1 | 20 A | RECEPTACLE, RM 409, 401 | 26 |
| 27 | RECEPTACLE, CONVENIENCE WORKSTATIONS 409 | 20 A | 1 | | 1080 900 | | 1 | 20 A | RECEPTACLE, RM 409, 409 | 28 |
| 29 | TF-4, HALLWAY 453 | 15 A | 1 | | | 528 1080 | 1 | 20 A | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 409 | 30 |
| 31 | FCU-5, CORRIDOR 402 | 20 A | 1 | 1176 1080 | | | 1 | 20 A | ELECTRIFIED FURNITURE BASE, WORKSTATIONS 409 | 32 |
| 33 | RECEPTACLE, CONVENIENCE CIRCULATION 450 (GFCI) | 20 A | 1 | | 360 1080 | | 1 | 20 A | RECEPTACLE, CONVENIENCE WORKSTATIONS 409 | 34 |
| 35 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE | 36 |
| 37 | SPARE -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- SPARE | 38 |
| 39 | SPARE -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- SPARE | 40 |
| 41 | SPARE -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- SPARE (NOTE 1) | 42 |

**TOTAL LOAD (VA):** 12756... 13440... 8748 VA
**TOTAL AMPS:** 111 A 117 A 72.9 A

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS |
|---|---|---|---|---|
| Motor/HVAC/Mech | 1704 VA | 100% | 1704 VA | |
| Receptacle, Convenience | 33240 VA | 65.04% | 21620 VA | TOTAL CONN. LOAD (VA): 34944 VA |
| | | | | TOTAL EST. DEMAND (VA): 23324 VA |
| | | | | TOTAL CONNECTED: 97 A |
| | | | | TOTAL EST. DEMAND: 65 A |


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**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM2 | 05.20.26 |

REGISTERED PROFESSIONAL ENGINEER
ANTHONY R. NELSON
PE - 8251
DATE 05/20/2026
NORTH DAKOTA

CASS COUNTY COURTHOUSE
**ANNEX RENOVATION**
1010 2nd AVE S., FARGO, ND 58103

DATE
05/06/26

PHASE
CONSTRUCTION DOCUMENTS

PROJECT
2025217

SHEET
**E832**

PANEL SCHEDULES

5/20/2026 1:44:34 PM

## PANELBOARD: EM1

**LOCATION:** EXISTING MECHANICAL 119
**SUPPLY FROM:** ATS EM
**MOUNTING:** SURFACE
**ENCLOSURE:** NEMA 1

**VOLTS:** 208/120 Wye
**PHASES:** 3
**WIRES:** 4
**OPTIONS:** FEED THRU LUGS

**A.I.C. RATING:** 10K
**MAINS TYPE:** MCB
**MAINS RATING:** 100 A
**BUSSING:** 100 A

**Notes:**

| CKT | CIRCUIT DESCRIPTION | | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1ST FLOOR EXIT LIGHTS | | 20 A | 1 | 45 300 | | | 1 | 20 A | | FIRE SMOKE DAMPERS, ROOM 204, 203 | 2 |
| 3 | 1ST FLOOR EM LIGHTING | | 20 A | 1 | | 1442 114 | | 1 | 20 A | | LIGHTING STAIR 3 ST3-1 | 4 |
| 5 | EMERGENCY LIGHTING | | 20 A | 1 | | | 535 0 | 1 | 20 A | -- | SPARE | 6 |
| 7 | EXTERIOR EGRESS LIGHTING | | 20 A | 1 | 138 0 | | | 1 | 20 A | -- | SPARE | 8 |
| 9 | LIGHTING | | 20 A | 1 | | 56 0 | | 1 | 20 A | -- | SPARE | 10 |
| 11 | SPARE | -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- | SPARE | 12 |
| 13 | SPARE | -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- | SPARE | 14 |
| 15 | SPARE | -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- | SPARE | 16 |
| 17 | SPARE | -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- | SPARE | 18 |
| 19 | SPARE | -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- | SPARE | 20 |
| 21 | SPARE | -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- | SPARE | 22 |
| 23 | SPARE | -- | 20 A | 1 | | | 0 0 | | 20 A | | SPARE | 24 |
| 25 | SPARE | -- | 20 A | 1 | 0 0 | | | 3 | 30 A | | SURGE PROTECTION DEVICE (SPD), EXISTING MECHANICAL 119 | 26 |
| 27 | SPARE | -- | 20 A | 1 | | 0 0 | | | | | | 28 |
| 29 | SPARE | -- | 20 A | 1 | | | 0 0 | | | | | 30 |
| | TOTAL LOAD (VA): | | | | 1026 VA | 2441 VA | 1267 VA | | | | | |
| | TOTAL AMPS: | | | | 9 A | 21 A | 10.9 A | | | | | |

2

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS | |
|---|---|---|---|---|---|
| Other | 1080 VA | 100% | 1080 VA | | |
| Lighting | 3653 VA | 125% | 4566 VA | TOTAL CONN. LOAD (VA): | 4731 VA |
| Receptacle,Non-Convenience/Power | 0 VA | 0% | 0 VA | TOTAL EST. DEMAND (VA): | 5644 VA |
| | | | | TOTAL CONNECTED: | 19 A |
| | | | | TOTAL EST. DEMAND: | 16 A |
| | | | | | |

## PANELBOARD: EM2

**LOCATION:** EXISTING ELEC. 334
**SUPPLY FROM:** EM1
**MOUNTING:** SURFACE
**ENCLOSURE:** NEMA 1

**VOLTS:** 208/120 Wye
**PHASES:** 3
**WIRES:** 4
**OPTIONS:**

**A.I.C. RATING:** 10k
**MAINS TYPE:** MLO
**MAINS RATING:** 100 A
**BUSSING:** 100 A

**Notes:**

| CKT | CIRCUIT DESCRIPTION | | TRIP | POLE | A (VA) | B (VA) | C (VA) | POLE | TRIP | | CIRCUIT DESCRIPTION | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | EMERGENCY LIGHTING | | 20 A | 1 | 270 33 | | | 1 | 20 A | | LIGHTING | 2 |
| 3 | LIGHTING | | 20 A | 1 | | 30 180 | | 1 | 20 A | | FIRE SMOKE DAMPER, ROOM 403, 401 | 4 |
| 5 | EMERGENCY LIGHTING | | 20 A | 1 | | | 493 240 | 1 | 20 A | | FIRE SMOKE DAMPERS, ROOM 418, 440 | 6 |
| 7 | SMOKE DAMPERS, ROOM 303, 304, 301 | | 20 A | 1 | 240 0 | | | 1 | 20 A | -- | SPARE | 8 |
| 9 | OTHER ROOM 332, 335 | | 20 A | 1 | | 120 0 | | 1 | 20 A | -- | SPARE | 10 |
| 11 | SPARE | -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- | SPARE | 12 |
| 13 | SPARE | -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- | SPARE | 14 |
| 15 | SPARE | -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- | SPARE | 16 |
| 17 | SPARE | -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- | SPARE | 18 |
| 19 | SPARE | -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- | SPARE | 20 |
| 21 | SPARE | -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- | SPARE | 22 |
| 23 | SPARE | -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- | SPARE | 24 |
| 25 | SPARE | -- | 20 A | 1 | 0 0 | | | 1 | 20 A | -- | SPARE | 26 |
| 27 | SPARE | -- | 20 A | 1 | | 0 0 | | 1 | 20 A | -- | SPARE | 28 |
| 29 | SPARE | -- | 20 A | 1 | | | 0 0 | 1 | 20 A | -- | SPARE | 30 |
| | TOTAL LOAD (VA): | | | | 548 VA | 330 VA | 732 VA | | | | | |
| | TOTAL AMPS: | | | | 5 A | 3 A | 6.4 A | | | | | |

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED DEMAND | PANEL TOTALS | |
|---|---|---|---|---|---|
| Other | 720 VA | 100% | 720 VA | | |
| Lighting | 825 VA | 125% | 1031 VA | TOTAL CONN. LOAD (VA): | 1605 VA |
| | | | | TOTAL EST. DEMAND (VA): | 1811 VA |
| | | | | TOTAL CONNECTED: | 4 A |
| | | | | TOTAL EST. DEMAND: | 5 A |
| | | | | | |


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**REVISION SCHEDULE**

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 2 | ADDM2 | 05.20.26 |

REGISTERED PROFESSIONAL ENGINEER
ANTHONY R. NELSON
PE - 8251
DATE 05/20/2026
NORTH DAKOTA

CASS COUNTY COURTHOUSE
# ANNEX RENOVATION
1010 2nd AVE S., FARGO, ND 58103

DATE
05/06/26
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
2025217
SHEET
E833
PANEL SCHEDULES

5/20/2026 1:44:35 PM