THE MEDICAL CENTER OF AURORA

20-029 TMCA IR 3 RENOVATION

1501 S. POTOMAC ST., AURORA, CO 80012

ISSUE DATE: 21 JANUARY 2021
PROJECT #: 20-029

DEMOLITION

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City of Aurora Building Division
Project: *Interior Demo*
Address: *1501 S Potomac Street*
Occupancy Group: *I2*
Construction Type: *1A*
RSN: *1514651*
Permit: *2021-1921185-CT*

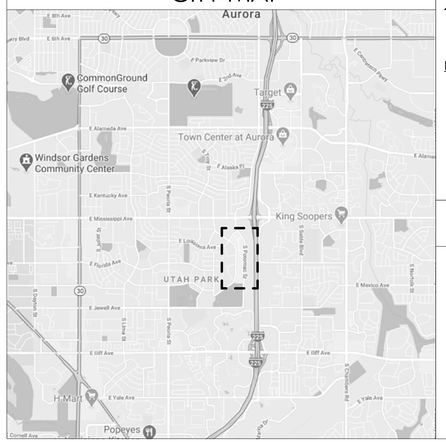
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VICINITY MAP

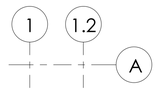


CITY MAP

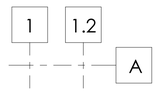


GENERAL SYMBOLS LEGEND

COLUMN GRID DESIGNATION

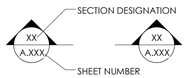


NEW GRID

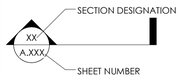


EXISTING GRID

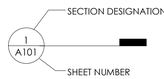
BUILDING SECTION TAG



WALL SECTION TAG



DETAIL CALLOUT TAG



NOTE TAGS

1 NOTE BY NUMBER

XX.XXX SPECIFICATION NOTE

DOOR TAG

XXX DOOR TAG

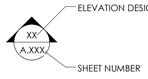
GLAZING TAG

GL-X GLAZING DESIGNATION PER SPECIFICATIONS

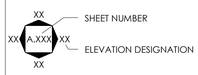
ARCHITECTURAL WOODWORK

24" CABINET WIDTH
A1 CABINET TYPE

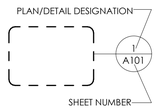
EXTERIOR ELEVATION TAG



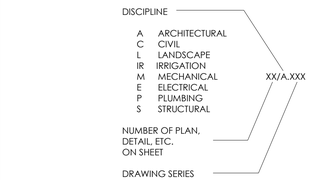
INTERIOR ELEVATION TAG



ENLARGED PLAN / CALLOUT TAG



DRAWING NUMBER KEY



GENERAL PROJECT NOTES

1. REFER TO COMPLETE SET OF ISSUED CONTRACT DOCUMENTS FOR APPLICABLE NOTES, ABBREVIATIONS, AND SYMBOLS.
2. DO NOT SCALE THE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING.
3. DIMENSIONS SHOWN ON THE FLOOR PLANS FOR NEW CONSTRUCTION ARE TO THE FACE OF FINISH OF INTERIOR WALLS, TO CENTERLINE OF COLUMNS, AND TO FACE OF CONCRETE OR MASONRY WALLS, UNLESS NOTED OTHERWISE. DIMENSIONS IN RENOVATED AREAS ARE FROM FINISH FACE OF EXISTING WALLS TO FINISH FACE OF NEW STUD WALLS, UNLESS NOTED OTHERWISE.
4. FIELD MEASURE AND CONFIRM DIMENSIONS FOR OWNER-PROVIDED EQUIPMENT AND FURNISHINGS. COORDINATE WITH THE OWNER ON DELIVERY AND INSTALLATION OF OFCI EQUIPMENT.
6. WHERE NEW GYPSUM BOARD PARTITIONS ARE A CONTINUATION OF AN EXISTING PARTITION OR COLUMN ENCASEMENT, THE FACE OF THE NEW GYPSUM BOARD SHALL BE ALIGNED WITH THE FACE OF THE EXISTING SURFACE. WHERE A ONE-HOUR PARTITION IS SHOWN AS A CONTINUATION OF A TWO-HOUR PARTITION OR COLUMN ENCASEMENT, THE FACE OF THE GYPSUM BOARD SHALL BE OFFSET AS REQUIRED TO PROVIDE FACE ALIGNMENT OF GYPSUM BOARD ON BOTH SIDES.
9. PARTITION TYPES AND FIRE RESISTIVE RATINGS INDICATED ON A WALL ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF A PARTITION.
10. OPENINGS IN RATED WALL, FLOOR, CEILING, AND ROOF ASSEMBLIES SHALL BE SEALED WITH A FIRE RESISTANT JOINT SYSTEM OR PROTECTED WITH A FIRE RATED CHASE.
11. EXIT SIGNS AND SMOKE DETECTORS LOCATED IN CEILINGS SHALL BE POSITIONED AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
12. WHERE MATERIALS ARE APPLIED TO, OR ARE IN DIRECT CONTACT WITH WORK INSTALLED BY ANOTHER SUBCONTRACTOR, COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE SUBSTRATE AS SUITABLE FOR THE APPLICATION INTENDED.
14. SEALANTS EXPOSED TO VIEW SHALL BE CUSTOM COLOR AS SELECTED BY THE ARCHITECT.
15. COORDINATE LOCATION OF SEALANT AND COMPATIBILITY OF SEALANTS WITH ADJACENT WORK, INCLUDING MATERIALS AND OTHER CONTIGUOUS SEALANTS.
16. CAULK AT JUNCTURE OF INTERIOR FACES OF DOOR FRAMES, VIEW WINDOW FRAMES, EXTERIOR WINDOW FRAMES, AND CABINET WORK WITH ADJACENT MATERIALS. MAINTAIN THE FIRE RATING OF CONSTRUCTION AROUND CABINETS, PANELS, AND BOXES RECESSED IN FIRE RATED WALL, FLOOR, AND CEILING ASSEMBLIES.

ABBREVIATIONS LEGEND

ACC	ACCESSIBLE
AFF	ABOVE FINISHED FLOOR
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
B.O.___	BOTTOM OF ___
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COORD	COORDINATE
CORR	CORRIDOR
DBL	DOUBLE
DEMO	DEMOLISH, DEMOLITION
EA	EACH
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EQ	EQUAL
(E), EXST	EXISTING
FF	FINISH FACE
FF EL	FINISHED FLOOR ELEVATION
FLR	FLOOR
FO	FINISHED OPENING
FP	FIRE PROTECTION
FV	FIELD VERIFY
GALV	GALVANIZED
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
INSUL	INSULATION
LAV	LAVATORY
LVR	LOUVER
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OPP	OPPOSITE
PERP	PERPENDICULAR
PLBG	PLUMBING
PLYWD	PLYWOOD
RE:	REFER TO ___
REF	REFRIGERATOR
REINF	REINFORCE, REINFORCING
RO	ROUGH OPENING
ROW	RIGHT OF WAY
SCHED	SCHEDULE
SF	SQUARE FOOT(FEET)
SIM	SIMILAR
SPEC	SPECIFICATION
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
T	TREAD
T&G	TONGUE & GROOVE
TEMP	TEMPORARY
T.O.	TOP OF ___
TOPO	TOPOGRAPHY, TOPOGRAPHIC
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
X	BY

PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT REPRESENTS REPLACEMENT OF THE EQUIPMENT AND MODIFICATIONS AS NECESSARY FOR THE UPGRADE WITHIN THE EXISTING IR ROOM. THE CONTROL ROOM WILL BE MODIFIED TO ACCOMODATE THE NEW EQUIPMENT TECHNOLOGY AND SPACE REQUIREMENTS. MECHANICAL, ELECTRICAL AND LIGHTING UPGRADES WILL BE INCLUDED TO SUPPORT SERVICES PROVIDED WITHIN THE ROOM. FINISHES WILL BE UPGRADED IN THE PROCEDURE ROOM, WITH ADDITIONAL CASEWORK UPGRADES IN THE CONTROL ROOM.

PROJECT DATA

- **CODES/ LAWS:**
  CITY OF AURORA:
  2015 INTERNATIONAL BUILDING CODE (IBC)
  2015 INTERNATIONAL EXISTING BUILDING CODE
  2020 NATIONAL ELECTRICAL CODE (NEC)
  2015 INTERNATIONAL MECHANICAL CODE
  2015 INTERNATIONAL PLUMBING CODE
  2015 INTERNATIONAL FUEL GAS CODE
  2015 INTERNATIONAL FIRE CODE
  2015 INTERNATIONAL ENERGY CONSERVATION CODE

  STATE OF COLORADO:
  2006 COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT - HOSPITAL LICENSING RULES
  2012 NFPA 101 - LIFE SAFETY CODE
  FEDERAL:
  2010 AMERICANS WITH DISABILITIES ACT GUIDELINES
  2009 ICC / ANSI A117.1 ACCESSIBILITY CODE
- **OCCUPANCY CLASSIFICATION:**
  2015 IBC - GROUP I-2 (SECTION 308.4)
  2012 NFPA 101 - EXISTING HEALTHCARE OCCUPANCY (CHAPTER 19)
- **PRINCIPAL OCCUPANCY TYPE:** I-2
- **CONSTRUCTION TYPE:**

  EXISTING: SBC - TYPE 1-A, UNRESTRAINED, FULLY SPRINKLERED

  NEW: 2015 IBC - TYPE 1-A, FULLY SPRINKLERED
  2012 NFPA 220 - TYPE 1 (332)

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *M. Simpkins*
Date: *Jan 27, 2021*
2015 INTERNATIONAL CODES & 2020 NEC

Structural plan review is limited to a general survey for code compliance. No review is implied nor was undertaken to verify structural adequacy.

R-3 occupancy plan review does not include mechanical, plumbing or electrical. Construction is subject to the correction of code violations in these areas during field inspection.

Field Inspection consultation is available upon request. Call 303-739-7420 to request a consultation

Failure to follow approved plans may result in an hourly fee to review the field changes for code compliance.

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JVA
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Denver, CO 80202
ph: 303.444.1951

No.	Description	Date

STATE OF COLORADO
JOHN MENNO NAP
401729
LICENSED ARCHITECT
01/21/2021

20-029 TMCA IR 3 RENOVATION

1501 S. POTOMAC ST., AURORA, CO 80012

Issue	DEMOLITION
Date	21 JANUARY 2021
Project Number	20-029
Drawn by	TB/SL
Checked by	JMN

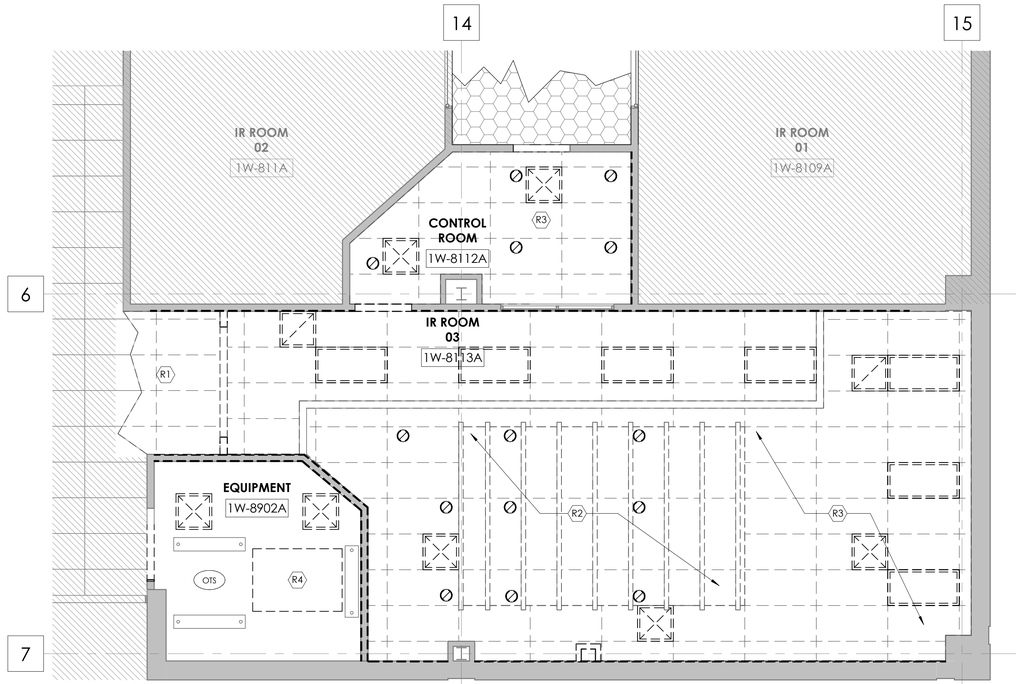
Sheet Title
COVER & DRAWING INDEX

Sheet Number
G.101

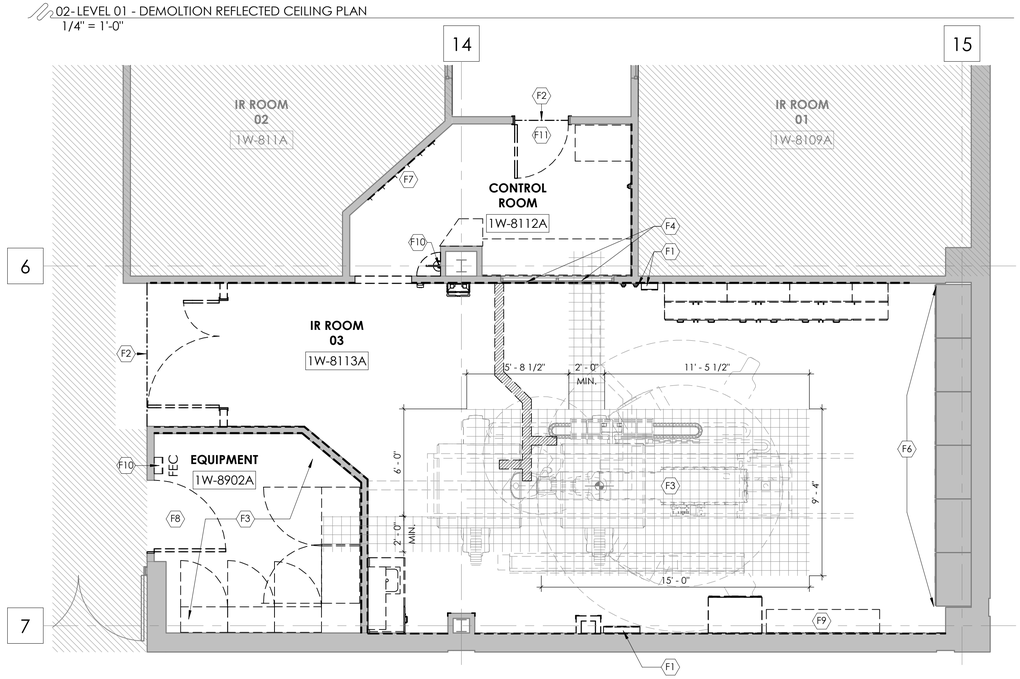
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02- LEVEL 01 - DEMOLTION REFLECTED CEILING PLAN
1/4" = 1'-0"



01- LEVEL 01 - DEMOLITION FLOOR PLAN
1/4" = 1'-0"

DEMOLITION REFLECTED CEILING PLAN NOTES

1. REFER TO SPECIFICATIONS FOR INTERIM LIFE SAFETY MEASURES.
2. THESE DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS, WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. VERIFY THESE DRAWINGS WITH EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES BEFORE PROCEEDING WITH CONSTRUCTION.
3. REPAIR ANY DAMAGED FIRE RATED ASSEMBLIES TO THEIR ORIGINAL SPECIFICATION.
4. REPLACE OR REPAIR ANY EXISTING TO REMAIN FINISHES WHICH ARE DAMAGED DURING DEMOLITION, SUCH AS CEILING GRID, CEILING TILE, WALL COVERING, AND FLOOR COVERING.
5. REMOVE EXISTING CONSTRUCTION AS INDICATED. TYPICAL CEILING INCLUDES FINISHES, MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS CONTAINED THEREIN. REMOVE CEILING TILES, GRID, AND OTHER FIXTURES AS REQUIRED. AFTER REMOVAL OF PIPE CHASES, PATCH HOLES IN EXISTING FLOORS, WALLS, AND CEILINGS TO REMAIN TO MEET ORIGINAL FIRE PROTECTION AND STRUCTURAL REQUIREMENTS.
6. WHERE NEW FINISHES ARE TO BE INSTALLED ON EXISTING CEILING SURFACES, REMOVE THE EXISTING FINISH AND PREPARE SURFACE TO RECEIVE THE NEW FINISH.
7. COORDINATE WITH THE OWNER ANY ITEMS TO BE STORED AND/OR RELOCATED.
8. SEE CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR DEMOLITION OF APPLICABLE UTILITIES.
9. THE EXISTING BUILDING ENVELOPE SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AT ALL TIMES.
10. VERIFY THAT CONSTRUCTION OF EXISTING WALLS WITHIN THE AREA OF RENOVATION (SMOKE COMPARTMENT) MEETS THE FIRE PROTECTION RATINGS DESIGNATED ON THE LIFE SAFETY PLANS.
11. VERIFY THAT EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT CONSTRUCTION.
12. DEMOLITION WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND AS SET FORTH BY ALL GOVERNING AUTHORITIES.
13. BRACE ALL EXISTING STRUCTURES OR STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION.
14. DO NOT CUT ANY STRUCTURAL WORK WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.

DEMOLITION REFLECTED CEILING PLAN LEGEND

- EXISTING PARTITION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
- OUT OF SCOPE
- REMOVE AND RETAIN FOR REPLACEMENT ALL CEILING SYSTEMS AFFECTED BY DUCTWORK REPLACEMENT. RE: MECHANICAL FOR EXTENT OF SCOPE. WORK SCOPE TO BE PERFORMED VIA ICRA CART ON NIGHTS AND/OR WEEKENDS.
- EXISTING SUPPLY DIFFUSER TO BE REMOVED
- EXISTING RETURN DIFFUSER TO BE REMOVED
- EXISTING FLUORESCENT LIGHT FIXTURE TO BE REMOVED
- 2X4 EXISTING CEILING GRID AND TILE TO BE REMOVED
- EXISTING TRACK WITHIN ACT TO BE REMOVED
- EXISTING DOWNLIGHT FIXTURE TO BE REMOVED
- OTS — EXPOSED STRUCTURE

DEMOLITION REFLECTED CEILING PLAN NOTES

- R1 — REMOVE PARTIAL EXISTING CEILING TO ACCOMODATE DOOR RELOCATION
- R2 — REMOVE MEDICAL SUPPORTS ABOVE CEILING. PREPARE OVERHEAD STRUCTURE FOR NEW MEDICAL SUPPORT SYSTEM AND STRUCTURAL IMPROVEMENT. RE: STRUCTURAL. RETAIN ALL MEDICAL SUPPORT RAILS AND FRAME FOR REUSE IN NEW CONSTRUCTION
- R3 — REMOVE/SALVAGE SPEAKERS, CAMERAS, NOTIFICATION DEVICES, ETC. TURN OVER TO FACILITY FOR REUSE OR INVENTORY
- R4 — REMOVE CURRENT MECHANICAL UNIT, RE: MECHANICAL

DEMOLITION GENERAL NOTES

1. REFER TO SPECIFICATIONS FOR INTERIM LIFE SAFETY MEASURES.
2. CONSTRUCT TEMPORARY PARTITIONS AS REQUIRED BY PHASING TO MINIMIZE THE SPREAD OF DUST AND NOISE.
3. THESE DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS, WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. VERIFY THESE DRAWINGS WITH EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES BEFORE PROCEEDING WITH CONSTRUCTION.
4. REMOVE EXISTING CONSTRUCTION AS INDICATED. TYPICAL WALL REMOVAL INCLUDES FINISHES AND MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS CONTAINED THEREIN. REMOVE DOORS, CASEWORK, WINDOWS, FRAMES, AND OTHER FIXTURES AS REQUIRED. AFTER REMOVAL OF PIPE CHASES, PATCH HOLES IN EXISTING FLOORS OR WALLS TO REMAIN TO MEET ORIGINAL FIRE PROTECTION AND STRUCTURAL REQUIREMENTS. PATCH ADJOINING WALLS.
5. WHERE NEW FINISHES ARE TO BE INSTALLED ON EXISTING SURFACES, REMOVE THE EXISTING FINISH AND PREPARE SURFACE TO RECEIVE THE NEW FINISH.
6. COORDINATE WITH THE OWNER ANY ITEMS TO BE STORED AND/OR RELOCATED.
7. SEE CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR DEMOLITION OF UTILITIES.
8. COORDINATE ALL FLOOR CHANNELING AND CORING WITH NEW MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION AND NEW CONSTRUCTION SCOPE. GENERAL SCOPE AREAS INDICATED ON THIS DRAWING.
9. VERIFY THAT EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT CONSTRUCTION.
10. DEMOLITION WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND AS SET FORTH BY ALL GOVERNING AUTHORITIES.
11. BRACE ALL EXISTING STRUCTURES OR STRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION.
12. DO NOT CUT ANY STRUCTURAL WORK WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
13. THE EXISTING BUILDING ENVELOPE SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AT ALL TIMES.
14. REPLACE OR REPAIR ANY EXISTING TO REMAIN FINISHES WHICH ARE DAMAGED DURING DEMOLITION, SUCH AS CEILING GRID, CEILING TILE, WALL COVERING, AND FLOOR COVERING.
15. NOTIFY THE DESIGN TEAM IMMEDIATELY IF THE REMOVAL OF MECHANICAL EXISTING TO REMAIN ELECTRICAL, PLUMBING SYSTEMS OR COMPONENTS WILL ADVERSELY AFFECT THE OPERATION OF MEP SYSTEM OUTSIDE THE LIMIT OF EXISTING TO BE REMOVED - RE: NOTE 5 OF DEMOLITION GENERAL NOTES.
16. SCHEDULE ALL DEMOLITION WITH THE OWNER.

DEMOLITION LEGEND

- EXISTING PARTITION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
- OUT OF SCOPE
- REMOVE CONCRETE FROM FLOOR TO A DEPTH OF 8", PREPARE FOR NEW CONDUITS, RACEWAYS AND STRUCTURAL FOOTINGS. RE: VENDOR, ELECTRICAL AND STRUCTURAL
- REMOVE WALKER DUCT AND CONCRETE FROM FLOOR TO A DEPTH OF 4". RE: STRUCTURAL & MECHANICAL

DEMOLITION KEYNOTES

- F1 — REMOVE AND RETAIN WALL MOUNTED EQUIPMENT FOR REINSTALLATION
- F2 — REMOVE FLOORING WITHIN SCOPE OF DEMOLITION TO THIS LINE
- F3 — VENDOR EQUIPMENT TO BE REMOVED BY VENDOR
- F4 — EXISTING WINDOWS TO REMAIN, PROTECT DURING CONSTRUCTION
- F5 — NOT USED.
- F6 — EXISTING CASEWORK TO REMAIN, PROTECT DURING CONSTRUCTION
- F7 — REMOVE AND SALVAGE EXISTING WALL HOOKS FOR REINSTALLATION
- F8 — SALVAGE ALL DOOR HARDWARE FOR REINSTALLATION
- F9 — SALVAGE EXISTING BINS AND BIN PLATES FOR REINSTALLATION IN NEW MILLWORK
- F10 — REMOVE EXISTING FIRE EXTINGUISHER AND RETAIN FOR REINSTALLATION AT END OF CONSTRUCTION
- F11 — REMOVE DOOR FROM FRAME. RETAIN FRAME AND PREP TO RECEIVE NEW WORK.

KEY PLAN



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No.	Description	Date

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LICENSED ARCHITECT
01/21/2021

20-029 TMCA IR 3 RENOVATION

1501 S. POTOMAC ST., AURORA, CO 80012

Issue	DEMOLITION
Date	21 JANUARY 2021
Project Number	20-029
Drawn by	TB/SL
Checked by	JMN

Sheet Title
DEMOLITION FLOOR & REFLECTED CEILING PLANS

Sheet Number
D.201

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MECHANICAL ABBREVIATIONS

AAV	AUTOMATIC AIR VENT (VALVE)
AB	AIR BLENDER
AC	AIR CONDITIONING UNIT OR AIR COMPRESSOR
ACH	AIR CHANGES PER HOUR
AD	ACCESS DOOR
AF	AIR FILTER
AFC	AUTOMATIC FLOW CONTROL DEVICE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
AMP	AMPERE
AMS	AIR FLOW MEASURING STATION
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARCH	ARCHITECT/ARCHITECTURAL
AS	AIR SEPARATOR
AUTO	AUTOMATIC
AVG	AVERAGE
BAS	BUILDING AUTOMATION SYSTEM
BD	BALANCING DAMPER
BDD	BACK-DRAFT DAMPER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNIT PER HOUR
CAP	CAPACITY
CC	COOLING COIL
CCW	COUNTER CLOCKWISE
CD	CONDENSATE DRAIN
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CL	CENTER LINE
CO	CLEAN OUT OR CARBON MONOXIDE
CONT	CONTINUOUS, CONTINUATION
CP	COIL PUMP
CT	COOLING TOWER
CU	CONDENSING/ER UNIT
CU FT	CUBIC FEET
CV	CONSTANT AIR VOLUME
CW	COLD WATER OR CLOCKWISE
D	DRAIN
DB	DECIBEL OR DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DE	DRYER EXHAUST
DER	DRYER EXHAUST RISER
DEG.F	DEGREE FARENHEIT
DG	DOOR GRILLE
DIA	DIAMETER
DIFF	DIFFUSER
DISCH	DISCHARGE
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DWG	DRAWING
DX	DIRECT EXPANSION
(E)	EXISTING
E	EXHAUST
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EBB	ELECTRIC BASEBOARD HEATER
EC	ELECTRICAL CONTRACTOR
ECH	ELECTRIC CABINET HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	ETHYLENE GLYCOL-WATER SOLUTION (% GLYCOL BY VOLUME)
EHC	ELECTRIC HEATING COIL
ELEC	ELECTRIC/ELECTRICAL
EL/ELEV	ELEVATION
ENT	ENTERING
EQUIP OR EQT	EQUIPMENT
E/RF	EXHAUST/RETURN FAN
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING
F	FILTER
°F	DEGREE FARENHEIT
FA	FREE AREA
FD	FIRE DAMPER
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FPB	FAN POWERED TERMINAL UNIT
FP	FIRE PROTECTION
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FREEZE STAT
F/SD	COMBINATION FIRE/SMOKE DAMPER
FT	FEET OR FLASH TANK
FTR	FIN TUBE RADIATION (HOT WATER)
FV	FACE VELOCITY
GA	GAUGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GD	GRAVITY DAMPER
GEN	GENERAL
GE	GENERAL EXHAUST
GER	GENERAL EXHAUST RISER
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HUMIDISTAT
HC	HEATING COIL
HORIZ	HORIZONTAL
HP	HORSEPOWER OR HEAT PUMP
HR	HOUR
HTG	HEATING
HUM	HUMIDIFIER
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HX	HEAT EXCHANGER
HZ	HERTZ
ID	INSIDE DIAMETER
IN OR "	INCH
INSUL.	INSULATION
IN W.C.	INCHES WATER COLUMN
IN W.G.	INCHES WATER GAUGE
KE	KITCHEN EXHAUST
KER	KTICHEN EXHAUST RISER
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LL	LOW LIMIT OR LANDLORD
LP	LOW PRESSURE GAS
LRA	LOCKED ROTOR AMPERES
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MB	MIXING BOX
MBH	THOUSAND BTU PER HOUR
MIN	MINIMUM OR MINUTE(S)
MD	MOTORIZED DAMPER
MP	MEDIUM PRESSURE GAS
NC	NORMALLY CLOSE OR NOISE CRITERIA
NIC	NOT IN CONTRACT
NK	NECK
NO	NORMALLY OPEN
NO OR #	NUMBER
NR	NOT REQUIRED
NTS	NOT TO SCALE
NV	NATURAL VENTILATION
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OV	OUTLET VELOCITY OR OVAL
P	PUMP
CTP	COOLING TOWER PUMP
CWP	CONDENSER WATER PUMP
PC	PLUMBING CONTRACTOR
PCD	PUMPED CONDENSATE DISCAHRGE
PG	PROPYLENE GLYCOL-WATER SOLUTION (%GLYCOL BY VOLUME)
PLBG	PLUMBING
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
R	RETURN OR RISER
RA	RETURN AIR
REQ'D	REQUIRED
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RO	RELIEF OPENING
RP	RADIANT PANEL
RPM	REVOLUTIONS PER MINUTE
RV	RELIEF VALVE (VENT) OR ROOF VENTILATOR
S	SUPPLY
SA	SOUND ATTENUATOR
SF	SUPPLY FAN OR SQUARE FEET
SHT	SHEET
SL	SENSIBLE LOAD
SP	STATIC PRESSURE
SPECS	SPECIFICATIONS
SQ	SQUARE
SQ.FT.	SQUARE FEET
SS	STAINLESS STEEL
STD	STANDARD
STRUC	STRUCTURE/STRUCTURAL
T	THERMOSTAT/TEMPERATURE SENSOR
TD	TEMPERATURE DIFFERENCE OR TRANSFER DUCT
TEF	TOILET EXHAUST FAN
TER	TOILET EXHAUST RISER
TEMP	TEMPERATURE
TO	TRANSFER OPENING
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UC	UNDER-CUT (DOOR)
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VENT
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
VSD	VARIABLE SPEED DRIVE
W	WATT
W/	WITH
WC	WATER COLUMN
WFD	WATER PRESSURE DROP
WMS	WIRE MESH SCREEN
WT	WEIGHT
XA	VARIABLE LENGTH ACCESS

SOUND ATTENUATOR

UC OR DG — DG: DOOR GRILLE; UC: DOOR UNDERCUT

T — THERMOSTAT

T — THERMOSTAT MOUNTED TO THERMOISOLATING PAD IF ON EXTERIOR COLUMN

T — DUCT MOUNTED THERMOSTAT

H — HUMIDISTAT

SD — SMOKE DETECTOR

CD — CARBON MONOXIDE DETECTOR

CO2 — CARBON DIOXIDE DETECTOR

N.I.C. - FUTURE TENANT BUILDOUT

REQUIRED MAINTENANCE CLEARANCE

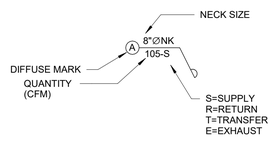
IDENTIFICATION SYMBOLS

X — KEYED NOTE TAG

X / X — EQUIPMENT TAG; EQUIPMENT TAG NO.

X / M-X — SECTION NUMBER; DRAWING ON WHICH SECTION IS SHOWN

AIR DEVICES DATA TAG



DUCTWORK SYMBOLS

DOUBLE LINE

(E)12X12 — EXISTING DUCT

EXISTING DUCT OR ITEM TO BE REMOVED

EXISTING DUCT OR ITEM TO REMAIN

BRANCH TAKE-OFF

RADIUS ELBOW

SQUARE TAP COLLAR

RADIUS TEE

BELLMOUTH CONNECTION TO RECT. DUCT

CONICAL TEE

WYE OR TEE

EXHAUST/RETURN AIR DEVICE

24X12 — RECT. DUCT DIMENSIONS (SIZE IN INCHES. FIRST DIM. IS SHOWN)

24Ø — ROUND DUCT DIMENSIONS DIAMETERS

24/12 — FLAT OVAL (SIZE IN INCHES) (FIRST DIM. IS SHOWN)

DUCT TRANSITION

ELBOW TURNED DOWN

ROUND DUCT DN

SUPPLY AIR DUCT

EXHAUST AND RETURN DUCT

OUTSIDE AIR INTAKE

FLEX. DUCT CONNECTION

FD — FIRE DAMPER

CLEAN OUT

MANUAL DAMPER

MD — MOTORIZED (AUTOMATIC) DAMPER

LLMD — LOW LEAKAGE MOTORIZED DAMPER

AD — ACCESS DOOR

CAP

DN — DUCT OFF-SET DN (IN DIRECTION OF FLOW)

UP — DUCT OFF-SET UP (IN DIRECTION OF FLOW)

FLEXIBLE DUCT

AIR TERMINAL UNIT

AIR TERMINAL UNIT W/REHEAT

PIPING SYMBOLS

(E)SERVICE — EXISTING PIPE

EXISTING PIPE OR ITEM TO BE REMOVED

EXISTING PIPE OR ITEM TO REMAIN

CD — CONDENSATE DRAIN

CWR — CONDENSER WATER RETURN

CWS — CONDENSER WATER SUPPLY

CTWR — COOLING TOWER WATER RETURN

CTWS — COOLING TOWER WATER SUPPLY

D — DRAIN

G — NATURAL GAS

HWR — HOT WATER HEATING RETURN

HWS — HOT WATER HEATING SUPPLY

V — V — VENT

AIR SEPARATOR

DIRECTION OF FLOW ARROW

CONCENTRIC REDUCER

ECCENTRIC REDUCER

TEE

TEE TURNED DOWN

TEE TURNED UP

ELBOW 45°

ELBOW TURNED UP

ELBOW TURNED DOWN

PRESSURE GAUGE

FLANGE

CAPPED END CONNECTION

EXPANSION JOINT

FLEXIBLE CONNECTION

FM — FLOW METER

EXPANSION COMPENSATOR

BALL VALVE

PRESSURE INDEPENDANT FLOW CONTROL AND SHUT-OFF VALVE

BUTTERFLY VALVE

CHECK VALVE

HOSE END DRAIN VALVE

TRIPLE DUTY CHECK VALVE

GATE VALVE

GLOBE VALVE

MANUAL AIR VENT

M / M — MOTORIZED 2-WAY OR 3-WAY CONTROL VALVE

SOLENOID VALVE

PRESSURE REDUCING VALVE

PRESSURE RELIEF VALVE

GAS COCK

PIPE UNION

STRAINER

SAFETY VALVE

VACUUM BREAKER

IN-LINE PUMP

PRESSURE GAUGE WITH COCK

THERMOMETER

FLOW SWITCH

PIPE ANCHOR

PIPE GUIDE

UNION

Y-TYPE STRAINER

Y-TYPE STRAINER WITH HOSE ENDED DRAIN VALVE

BASKET STRAINER

FILTER/DRYER

M — MOTOR ACTUATOR

T — CONDENSATE TRAP

PRESSURE-TEMPERATURE PORT

MECHANICAL SHEET INDEX

SHEET #	SHEET NAME	01.21.2021 - DEMOLITION
M.001	MECHANICAL GENERAL NOTES	Yes
MD.201	MECHANICAL AND PLUMBING DEMOLITION PLAN	Yes

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No.	Description	Date

COLORADO LICENSED MICHAEL P THOMPSON 53150 PROFESSIONAL ENGINEER

01/21/2021

20-029 TMCA IR 3 RENOVATION

1501 S. POTOMAC ST., AURORA, CO 80012

Issue	DEMOLITION
Date	21 JANUARY 2021
Project Number	20-029
Drawn by	SLC
Checked by	JH

Sheet Title

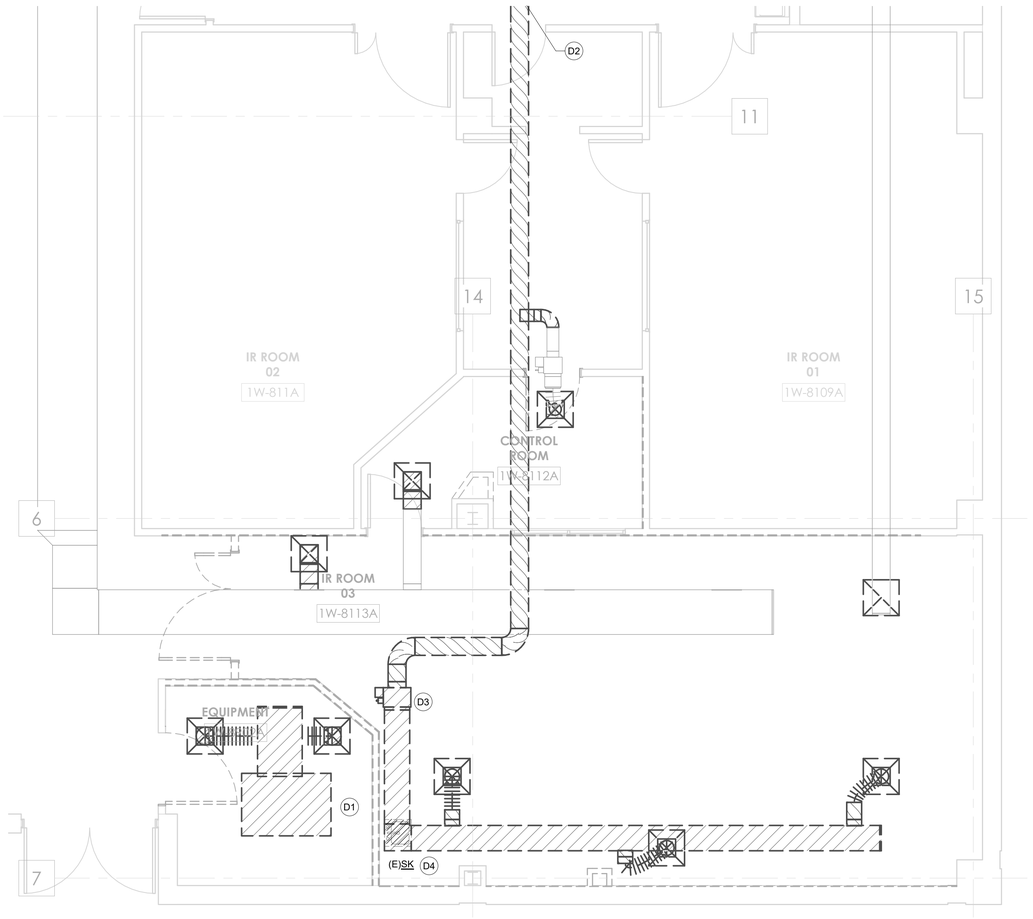
MECHANICAL GENERAL NOTES

Sheet Number

M.001

1/21/2021 1:56:13 PM

RSN: 1514651
Permit: 2021-1921185-CT



1 LEVEL 01-MECHANICAL AND PLUMBING DEMOLITION PLAN

1/4" = 1'-0"

MECHANICAL AND PLUMBING DEMOLITION KEY NOTES:

D1 DEMOLISH EXISTING CRAC UINT, CONDENSING UNIT (ON ROOF) AND ALL ASSOCIATED PIPING, DUCTWORK, DIFFUSERS, SUPPORTS, ACCESSORIES, ETC. PATCH WALLS/ROOF TO MATCH EXISTING.

D2 DEMOLISH BRANCH DUCT BACK TO MAIN ABOVE 1W-8100A PASS. NEW DUCT TO BE CONNECTED TO MAIN AT SAME LOCATION. SEE NEW WORK PLANS.

D3 DEMOLISH EXISTING VAV. DISCONNECT EXISTING HHW PIPING AND TEMPORARILY CAP, SEE NEW WORK PLAN. DEMOLISH ALL EXISTING CONTROLS, SUPPORTS, ACCESSORIES, ETC.

D4 REMOVE EXISTING SINK, TRIM AND ALL RELATED PLUMBING PIPING. REMOVE EXISTING PLUMBING PIPING BACK TO ACTIVE SOURCES LEAVING NO DEAD ENDS. PROVIDE NEW FULL SIZE HW&CW SHUT-OFF VALVES IF NO VALVES CURRENTLY EXIST AT ACTIVE SOURCE.

KEY PLAN



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Issue	DEMOLITION
Date	21 JANUARY 2021
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Drawn by	SLC/BM
Checked by	JH

Sheet Title
MECHANICAL AND PLUMBING DEMOLITION PLAN

Sheet Number
MD.201

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Permit: 2021-1921185-CT

GENERAL ELECTRICAL SYMBOLS

	CONDUIT STUBBED UP
	CONDUIT STUBBED DOWN
	FLEXIBLE CONDUIT
	MULTI-OUTLET ASSEMBLY
	UNDERGROUND DUCTBANK
	UNDERGROUND DIRECT BURIAL CABLE
PB	PULL BOX
	JUNCTION BOX- EXPOSED OR IN CEILING
	JUNCTION BOX – WALL MOUNTED
	JUNCTION BOX WITH FLEXIBLE CONDUIT AND FINAL CONNECTION TO EQUIPMENT.
PDQ 13	EQUIPMENT IDENTIFICATION TAG

LIGHTING SYMBOLS

F1 1a	2' X 4' FLUORESCENT LIGHTING FIXTURE.
F1 1a	2' X 2' FLUORESCENT LIGHTING FIXTURE.
F1 1a	1' X 4' FLUORESCENT LIGHTING FIXTURE.
F1 1a	FLUORESCENT LIGHTING FIXTURE- LENGTH AS INDICATED.
F1 1a	WALL MOUNTED FLUORESCENT LIGHTING FIXTURE- LENGTH AS INDICATED.
F1 F1 1a 1a	INCANDESCENT, HID, OR FLUORESCENT LIGHTING FIXTURE.
F1 F1 1a 1a	WALL MOUNTED INCANDESCENT, HID, OR FLUORESCENT LIGHTING FIXTURE
F1 E1	2' X 4' FLUORESCENT LIGHTING FIXTURE CONNECTED TO EMERGENCY CIRCUIT.
F1 E1	FLUORESCENT LIGHTING FIXTURE CONNECTED TO EMERGENCY CIRCUIT.
F1 F1 E1	INCANDESCENT, HID, OR FLUOR. LIGHTING FIXTURE CONNECTED TO EMERGENCY CIRCUIT.

LIGHTING FIXTURES: "F1" INDICATES LIGHTING FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND MOUNTING. "1" INDICATES CIRCUIT NUMBER "a" INDICATES SWITCH CONTROL. SHADING OF LIGHTING FIXTURE OR "E" INDICATES LIGHTING FIXTURE CONNECTED TO EMERGENCY CIRCUIT.

F1a E2	BATTERY PACK, EMERGENCY LIGHTING UNIT
	REMOTE HEAD CONNECTED TO BATTERY PACK.
NEW #3 E3	"#X" INDICATES INSCRIPTION, ARROWS, AND SINGLE OR DOUBLE FACED, AS SHOWN BELOW. SHADED QUADRANTS INDICATES DIRECTION OF LIGHTED FACES.
NEW #21 E5	
NEW #3N E3	
NEW #21N E5	
EXISTING #3E E3	
EXISTING #21E E5	

"#1"	FIRE ESCAPE	"#14"	TRIANGLE
"#2"	STAIRWAY	"#15"	ELEVATOR
"#2A"	STAIRS	"#16"	FIRE ESCAPE
"#3"	EXIT	"#17"	STAIRWAY
"#4"	FIRE ESCAPE	"#17A"	STAIRS
"#5"	STAIRWAY	"#18"	EXIT
"#5A"	STAIRS	"#19"	FIRE ESCAPE
"#6"	EXIT	"#20"	STAIRWAY
"#7"	FIRE ESCAPE	"#20A"	STAIRS
"#8"	STAIRWAY	"#21"	EXIT
"#8A"	STAIRS	"#22"	FIRE ESCAPE
"#9"	EXIT	"#23"	STAIRWAY
"#10"	FIRE ESCAPE	"#23A"	STAIRS
"#11"	STAIRWAY	"#24"	EXIT
"#11A"	STAIRS		
"#12"	EXIT		
"#13"	EXIT – RECESSED		

3W XXa $	LIGHT SWITCH, SINGLE POLE UNLESS NOTED OTHERWISE:

"a"	INDICATES LIGHTS CONTROLLED	"XX"	INDICATES CIRCUIT NUMBER
"D"	INDICATES DIMMER SWITCH	"WP"	INDICATES WEATHERPROOF
"EP"	INDICATES EXPLOSION PROOF	"2P"	INDICATES 2 POLE
"FD"	INDICATES FLUORESCENT DIMMER	"3P"	INDICATES THREE POLE
"ID"	INDICATES INCANDESCENT DIMMER	"3W"	INDICATES THREE-WAY
"K"	INDICATES KEY OPERATED	"4W"	INDICATES FOUR-WAY
"LV"	INDICATES LOW VOLTAGE	"OS"	INDICATES COMBINATION
"MC"	INDICATES MOMENTARY CONTACT		WITH OCCUPANCY SENSOR
"P"	INDICATES PILOT LIGHT	"V"	INDICATES COMBINATION WITH VACANCY SENSOR

LC	LIGHTING CONTACTOR IN ENCLOSURE
LCC	LIGHTING CONTACTOR CABINET
LRC	LIGHTING RELAY CABINET
TC	TIME CLOCK
PC	PHOTOCELL
TS	TIME SWITCH
OS	OCCUPANCY SENSOR

POWER SYMBOLS

WALL	FLOOR	POKE-THROUGH	
			DUPLEX RECEPTACLE
			DOUBLE DUPLEX RECEPTACLE
			DUPLEX RECEPTACLE – SPLIT WIRED
			SINGLE RECEPTACLE
			SPECIAL RECEPTACLE – NEMA TYPE AS INDICATED
			JUNCTION BOX WITH FLEXIBLE CONDUIT AND FINAL EQUIPMENT OR FURNITURE SYSTEM POWER CONNECTION
WP/GFI			WEATHERPROOF, HINGED TOP OUTLET BOX WITH INTEGRAL BASE (MANUFACTURER: PEDOC) WITH (1) GFI DUPLEX RECEPTACLE (BY EC)
USB			DUPLEX RECEPTACLE WITH 2 USB PORTS
USB			OUTLET WITH 2 USB PORTS
WP XX			ADJACENT LETTERS IN THE SYMBOLS ABOVE INDICATE THE FOLLOWING:

"CR" INDICATES CHILD RESISTANT (SAFETY TYPE)
"E" INDICATES RECEPTACLE FED BY EMERGENCY CIRCUIT
"EP" INDICATES RECEPTACLE IS EXPLOSION PROOF
"EWC" INDICATES RECEPTACLE SERVES ELECTRIC WATER COOLER
"GFI" INDICATES RECEPTACLE HAS GROUND FAULT CIRCUIT INTERRUPTER
"IG" INDICATES RECEPTACLE HAS ISOLATED GROUND
"TVS" INDICATES RECEPTACLE HAS TRANSIENT VOLTAGE SURGE SUPPRESSION
"WP" INDICATES RECEPTACLE HAS WATERPROOF COVER
"XX" INDICATES RECEPTACLE CIRCUIT NUMBER
"S" INDICATES RECEPTACLE IS SAFETY TYPE

	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP
	PUSHBUTTON STATION WITH ONE BUTTON
EPO	EMERGENCY POWER OFF MUSHROOM PUSHBUTTON CONTROL STATION
2P XX $	MANUAL MOTOR CONTROL

"M" INDICATES LOCKOUT MOTOR SWITCH
"K" INDICATES KEY OPERATED
"P" INDICATES PILOT LIGHT
"TH" INDICATES THERMAL OVERLOAD PROTECTION
"XX" INDICATES CIRCUIT NUMBER
"2P" INDICATES 2 POLE SWITCH
"3P" INDICATES 3 POLE SWITCH

	SWITCHGEAR, SWITCHBOARD OR MOTOR CONTROL CENTER, DASHED LINES INDICATE FUTURE SECTIONS, ARROW INDICATES FRONT
	SURFACE MOUNTED DISTRIBUTION PANELBOARD
	SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD
	RECESSED MOUNTED BRANCH CIRCUIT PANELBOARD
D	DAMPER MOTOR
	MOTOR – RATED AS INDICATED
A CB	CIRCUIT BREAKER IN ENCLOSURE, "A" INDICATES AMPERE RATING OF BREAKER
AS	NON-FUSED DISCONNECT SWITCH, "AS" INDICATES AMPERE RATING OF SWITCH
AS/AF	FUSED DISCONNECT SWITCH, "AS" INDICATES AMPERE RATING OF SWITCH AND "AF" INDICATES AMPERE RATING OF FUSE
	MAGNETIC MOTOR STARTER – NEMA SIZE AS INDICATED
T	TRANSFORMER

SINGLE LINE DIAGRAM SYMBOLS

	CABLE LUGS
CT	CURRENT TRANSFORMER
	SWITCH
	FUSE
	GROUND FAULT SENSOR
	GROUNDING ELECTRODE CONDUCTOR
	CIRCUIT BREAKER
MDP	PANELBOARD
3 2R	TRANSFORMER WITH FLEXIBLE CONDUIT AND PAD
ST	SHUNT TRIP

SIGNAL SYMBOLS

CCTV	CLOSED CIRCUIT TELEVISION CAMERA
S	SPEAKER, WALL OR CEILING MOUNTED
CR	CARD READER
DC	DOOR CONTACT
KP	KEYPAD

WALL	FLOOR	POKE-THROUGH	
			SUBSCRIPT INDICATES THE FOLLOWING FOR BELOW WALL MOUNTED OUTLETS, (U.N.O.): "H" HANDICAP MOUNTED AT 48" A.F.F. "P" PAY PHONE MOUNTED AT 54" A.F.F. "W" WALL MOUNTED AT 54" A.F.F.
			COMMUNICATIONS OUTLET – PROVIDE 2-GANG BACKBOX WITH 1-GANG MUDRING AND 1"C STUBBED TO ACCESSIBLE CEILING CAVITY WITH INSULATING BUSHING.
WAP			WIRELESS ACCESS POINT OUTLET
AV1			AUDIOVISUAL OUTLET – PROVIDE 2-GANG BACKBOX WITH 1-GANG MUDRING AND 1"C STUBBED TO ACCESSIBLE CEILING CAVITY WITH INSULATING BUSHING.
AV2			AUDIOVISUAL OUTLET – PROVIDE 2-GANG BACKBOX WITH 2-GANG MUDRING AND 1"C STUBBED TO ACCESSIBLE CEILING CAVITY WITH INSULATING BUSHING.
PM1			PATIENT MONITORING SYSTEM DATA OUTLET – PROVIDE 2-GANG BACKBOX WITH 1-GANG MUDRING AND 1"C STUBBED TO ACCESSIBLE CEILING CAVITY WITH INSULATING BUSHING.
PM2			PATIENT MONITORING SYSTEM VIDEO OUTLET – PROVIDE 4X4 BACKBOX WITH COVER WITH 2" BUSHED OPENING AND 1-1/2"C STUBBED TO ACCESSIBLE CEILING CAVITY WITH INSULATING BUSHING.

FIRE ALARM SYMBOLS

S	FIRE ALARM MANUAL PULL STATION
SD	SMOKE DETECTOR
D	HEAT DETECTOR
DD	DUCT DETECTOR
RA	REMOTE INDICATOR LIGHT FOR SMOKE DETECTOR
S	VOICE SPEAKER
SV	VOICE SPEAKER WITH VISUAL ALARM
V	VISUAL ALARM
T	VOICE COMMUNICATION TELEPHONE
MD	MAGNETIC DOORHOLDER
WFS	WATER FLOW SWITCH
VSS	VALVE SUPERVISION SWITCH
APS	AIR PRESSURE SWITCH
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
VCP	VOICE COMMUNICATION CONTROL PANEL

HEALTHCARE CALL SYMBOLS

1	SINGLE CALL STATION
3	TOILET BATH OR SHOWER CALL STATION
4	SINGLE CORRIDOR DOME ZONE LIGHT
7	MULTIPLE CORRIDOR DOME ZONE LIGHT
8	DUTY STATION
9	STAFF DUTY STATION
23	CODE BLUE STATION

ABBREVIATIONS

ABBREV.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
ACL	ACROSS THE LINE
ALM	ALARM
AC	ALTERNATING CURRENT
A	AMPERE
AMP	AMPERE
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
ANN	ANNUNCIATOR
ATS	AUTOMATIC TRANSFER SWITCH
BAL	BALLAST
BR	BRANCH
BRKR	BREAKER
BGB	BUILDING GROUND BOX
CAB	CABINET
CATV	CABLE TELEVISION
C.B.	CIRCUIT BREAKER
CCT	CIRCUIT
CCTV	CLOSED CIRCUIT TELEVISION
CLO	CLOSET
COAX	COAXIAL
C.U.	COEFFICIENT OF UTILIZATION
COMED	COMMONWEALTH EDISON COMPANY
C	CONDUIT
CONN	CONNECTION
CONV	CONVENIENCE
CU	COPPER
CUH	CABINET UNIT HEATER
CT	CURRENT TRANSFORMER
CTRL	CONTROLLER
HZ	HERTZ (CYCLES/SECOND)
DC	DIRECT CURRENT
DS	DISCONNECT SWITCH
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DO	DRAWOUT
DT	DUSTTIGHT
ELEC	ELECTRIC
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING (THIN WALL CONDUIT)
EQ	EQUIPMENT
EUH	ELECTRIC UNIT HEATER
EX	EXISTING
EP	EXPLOSION PROOF
FPB	FAN POWERED BOX
FA	FIRE ALARM
FDC	FIRE DEPARTMENT CONNECTION
FB	FLOORBOX
FLUOR	FLUORESCENT
F	FUSE
F.S.	FUSED SWITCH
GEN	GENERATOR
GRD	GROUND
GFI	GROUND FAULT INTERRUPTER
GHW	GALVANIZED HEAVYWALL STEEL CONDUIT
HV	HIGH VOLTAGE
HP	HORSE POWER
INC	INCANDESCENT
IC	INTERRUPTING CAPACITY
IMC	INTERMEDIATE GRADE CONDUIT
JB	JUNCTION BOX
KW	KILOWATT
KWH	KILOWATT-HOUR

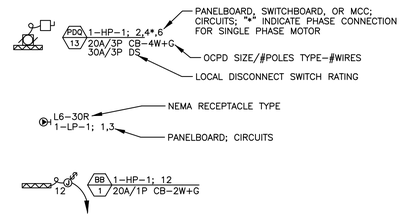
ABBREV.	DESCRIPTION
KVA	KILOVOLT-AMPERE
KO	KNOCKOUT
LTG	LIGHTING
LS	LOUD SPEAKER
LV	LOW VOLTAGE
MH	MANHOLE
MFR	MANUFACTURER
MV	MULTI VAPOR
MERC.	MERCURY VAPOR
MTR	MOTOR
MCC	MOTOR CONTROL CENTER
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NEUT	NEUTRAL
NC	NORMALLY CLOSED
NO	NORMALLY OPENED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PNL	PANEL
PH	PHASE
PT	POTENTIAL TRANSFORMER
PWR	POWER
PRI	PRIMARY
PROT.	PROTECTION OR PROTECTIVE
PA	PUBLIC ADDRESS
PB	PULL BOX
RT	RAINTIGHT
RECP	RECEPTACLE
RC	REMOTE CONTROL
R	RESISTANCE
REL	RELOCATED
SEC	SECONDARY
SC	SHORT CIRCUIT
SP	SINGLE POLE
SPST	SINGLE POLE SINGLE THROW
SPDT	SINGLE POLE DOUBLE THROW
SPKR	SPEAKER
SPEC	SPECIFICATION
SS	STAINLESS STEEL
STA	STATION
S	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
SYS	SYSTEM
TC	TERMINAL CABINET
TEL	TELEPHONE
TEL.CL.	TELEPHONE CLOSET
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TERM.	TERMINAL
TX	TRANSFORMER
T	TRIP
TL	TWIST LOCK
UL	UNDERWRITER'S LABORATORIES
UNG	UNGROUNDED
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
VP	VAPORPROOF
VT	VAPORTIGHT
V	VOLT
VA	VOLT-AMPERE
WT	WATERTIGHT
W	WATT
WP	WEATHERPROOF
XR	EXISTING TO BE REMOVED
XRL	EXISTING TO BE RELOCATED
XRW	EXISTING TO BE REWIRED

BRANCH CIRCUIT WIRING SCHEDULE

OCPD	1P & 2P	2P-3W & 3P-3W	3P-4W
15	2#12, 1#12G, 3/4"C	3#12, 1#12G, 3/4"C	4#12, 1#12G, 3/4"C
20	2#12, 1#12G, 3/4"C	3#12, 1#12G, 3/4"C	4#12, 1#12G, 3/4"C
25	2#10, 1#10G, 3/4"C	3#10, 1#10G, 3/4"C	4#10, 1#10G, 3/4"C
30	2#10, 1#10G, 3/4"C	3#10, 1#10G, 3/4"C	4#10, 1#10G, 3/4"C
35	2#8, 1#10G, 3/4"C	3#8, 1#10G, 3/4"C	4#8, 1#10G, 3/4"C
40	2#8, 1#10G, 3/4"C	3#8, 1#10G, 3/4"C	4#8, 1#10G, 3/4"C
45	2#6, 1#10G, 3/4"C	3#6, 1#10G, 3/4"C	4#6, 1#10G, 1"C
50	2#6, 1#10G, 3/4"C	3#6, 1#10G, 3/4"C	4#6, 1#10G, 1"C
60	2#4, 1#10G, 3/4"C	3#4, 1#10G, 1"C	4#4, 1#10G, 1 1/4"C
70	2#4, 1#8G, 3/4"C	3#4, 1#8G, 1"C	4#4, 1#8G, 1 1/4"C
80	2#3, 1#8G, 1"C	3#3, 1#8G, 1"C	4#3, 1#8G, 1 1/4"C
90	2#2, 1#8G, 1"C	3#2, 1#8G, 1 1/4"C	4#2, 1#8G, 1 1/4"C
100	2#1, 1#8G, 1 1/4"C	3#1, 1#8G, 1 1/4"C	4#1, 1#8G, 1 1/2"C

GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF LIGHTING AND CONTROLS, RECEPTACLES, COMMUNICATIONS DEVICES, FIRE ALARM DEVICES, AND LIFE SAFETY DEVICES.
2. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF HVAC, PLUMBING, AND FIRE PROTECTION EQUIPMENT.
3. REFER TO PANEL DIVISION LINES FOR BRANCH CIRCUIT HOMERUN PANELBOARD DEMARCATION LINES, UNLESS NOTED OTHERWISE.
4. BRANCH CIRCUIT WIRING FOR 120 VOLT 20 AMP CIRCUITS WIRED TO 208Y/120V SYSTEMS SHALL BE AS FOLLOWS:
   A. GENERAL RECEPTACLES AND LIGHTING LOADS:
      UP TO 100 FEET IN LENGTH: 3#12, 1#12N, 1#12G -3/4"C.
      OVER 100 FEET IN LENGTH: 3#10, 1#10N, 1#10G -3/4"C.
5. BRANCH CIRCUIT WIRING FOR 277 VOLT 20 AMP CIRCUITS WIRED TO 480Y/277V SYSTEMS SHALL BE AS FOLLOWS:
   A. LIGHTING LOADS:
      UP TO 150 FEET IN LENGTH: 3#12, 1#10N, 1#12G -3/4"C.
      OVER 150 FEET IN LENGTH: 3#10, 1#8N, 1#10G -3/4"C.
6. DISTANCES FOR BRANCH CIRCUIT WIRING, AS INDICATED IN NOTES 4 & 5 ABOVE, SHALL BE MEASURED FROM THE FINAL OCPD TO THE CENTER OF THE BRANCH CIRCUIT LOAD. SIZES ARE A MINIMUM AND CONTRACTOR MAY BE REQUIRED TO UP-SIZE TO ACCOUNT FOR VOLTAGE DROP.
7. COMPUTER EQUIPMENT OUTLETS, OUTLETS WITHIN WORKSTATIONS, OFFICES, FURNITURE SYSTEMS, AND THE LIKE SHALL BE CONSIDERED NON-LINEAR LOADS.
8. BRANCH CIRCUIT CONDUCTORS SIZED AS INDICATED IN NOTES 4 & 5 ABOVE AND/OR ON PLAN SHALL BE ROUTED TO EACH ELECTRIC DEVICE CONNECTED TO THE INDICATED BRANCH CIRCUIT. PROVIDE WIRENUTS AND PIGTAILS SIZED TO MATCH THE CORRESPONDING OCPD LISTED IN THE BRANCH CIRCUIT WIRING SCHEDULE FOR ELECTRICAL DEVICE TERMINATIONS WHERE THE ELECTRICAL DEVICE LUGS CANNOT ACCOMMODATE THE INCREASED CONDUCTOR SIZE INDICATED ABOVE, U.N.O.
9. REFER TO THE BRANCH CIRCUIT WIRING SCHEDULE FOR MINIMUM INSTALLATION CRITERIA. BRANCH CIRCUIT WIRING SPECIFIED IN NOTES AND/OR ON PLAN OR OTHER SCHEDULES SHALL TAKE PRECEDENCE OVER THE INFORMATION PROVIDED IN THE SCHEDULE.
10. PROVIDE AN EQUIPMENT GROUNDING SCREW WITHIN THE RECEPTACLE OUTLET BOX FOR RECEPTACLES WITHOUT A SIDE-MOUNTED GROUNDING SCREW FOR TERMINATION OF THE BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTOR.
11. ELECTRICAL DEVICE BRANCH CIRCUIT WIRING LEGEND:



12. MOUNTING HEIGHTS OF ELECTRICAL ITEMS SHALL BE AS LISTED BELOW ABOVE FINISHED FLOOR TO CENTERLINE, UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS OR AS REQUIRED BY CODE:

A. GENERAL RECEPTACLES	18"
B. PATIENT RECEPTACLES	18"
C. OUTDOOR RECEPTACLES	24"
D. GENERAL TELE AND DATA OUTLETS	15"
E. PATIENT TELE AND DATA OUTLETS	18"
F. GENERAL TOGGLE SWITCHES	48"
G. FIRE ALARM PULL STATIONS	48"
H. SECURITY CALL STATIONS	48"
I. CLOCK AND PAGING SPEAKER OUTLETS	84"
J. FIRE ALARM AUDIO VISUAL DEVICES	80"
K. GENERAL WALL MOUNTED LIGHTS	90"
L. CORRIDOR WALL SCONCES (>4" DEEP)	66"
M. EXIT SIGNS	90"
N. INDIVIDUAL DISCONNECTS AND STARTERS	60"
O. GROUPED DISCONNECTS AND STARTERS	> 12"
	< 72"
P. PANELBOARD OVERCURRENT DEVICES	> 12"
	< 72"

13. PROVIDE NEW FIRE ALARM DEVICES AS INDICATED IN THE DOCUMENTS OR AS OTHERWISE REQUIRED BY LOCAL CODES. NEW DEVICES SHALL BE PRODUCTS OF THE EXISTING FIRE ALARM MANUFACTURER, JCI/SIMPLEX. CONTACT DAN RAAP – DANIEL.RAAP@JCI.COM.
14. PROVIDE MODIFICATIONS TO THE OVERHEAD AND INTERDEPARTMENTAL PAGING SYSTEM UTILIZING THE HOSPITAL PAGING SYSTEM MAINTENANCE CONTRACTOR, BEACON COMMUNICATIONS. CONTACT ANDREAS KACZANOWSKI – 303-750-6500.
15. PROVIDE NEW NURSE CALL DEVICES AS INDICATED IN THE DOCUMENTS. NEW DEVICES SHALL BE PRODUCTS OF THE EXISTING NURSE CALL SYSTEM MANUFACTURER, RAULAND RESPONDER IV. MODIFICATIONS TO THE NURSE CALL SYSTEM SHALL BE PERFORMED BY THE HOSPITAL PAGING SYSTEM MAINTENANCE CONTRACTOR, BEACON COMMUNICATIONS. CONTACT ANDREAS KACZANOWSKI – 303-750-6500.
16. PROVIDE EMPTY RACEWAY FOR COMMUNICATIONS SYSTEMS. COMMUNICATIONS CABLING AND OUTLETS SHALL BE FURNISHED AND INSTALLED BY THE OWNER'S COMMUNICATIONS CONTRACTOR UNDER SEPARATE CONTRACT. COORDINATE RACEWAY REQUIREMENTS WITH COMMUNICATIONS CONTRACTOR.
17. PROVIDE EMPTY RACEWAY FOR PATIENT MONITORING SYSTEM. PATIENT MONITORING CABLING AND OUTLETS SHALL BE FURNISHED AND INSTALLED BY THE OWNER'S PATIENT MONITORING VENDOR, PHILIPS, UNDER SEPARATE CONTRACT. COORDINATE RACEWAY REQUIREMENTS WITH PATIENT MONITORING VENDOR.

ELECTRICAL CODE REFERENCE

CITY OF AURORA, COLORADO MUNICIPAL CODE
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL FIRE CODE
2020 NATIONAL ELECTRICAL CODE

ELECTRICAL DRAWING LIST

E.101	ELECTRICAL SYMBOL LIST AND GENERAL NOTES	NO SCALE
E.102	ELECTRICAL SPECIFICATIONS	NO SCALE
ED.201	LEVEL 01 – ELECTRICAL DEMOLITION PLAN	1/4"=1'-0"

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No.	Description	Date

COLORADO LICENSED MICHAEL P THOMPSON 58A150 PROFESSIONAL ENGINEER
01/21/2021

20-029 TMCA IR 3 RENOVATION

1501 S. POTOMAC ST., AURORA, CO 80012

Issue	DEMOLITION
Date	21 JANUARY 2021
Project Number	20-029
Drawn by	KDC
Checked by	MT

Sheet Title
ELECTRICAL SYMBOL LIST AND GENERAL NOTES

Sheet Number
E.101

RSN: 1514651
Permit: 2021-1921185-CT

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DIVISION 260000 – ELECTRICAL

1. GENERAL

A. REQUIREMENTS:

1) PRODUCTS AND EXECUTION SHALL BE PROVIDED FOR A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM THROUGHOUT THE EXTENT OF THE PROJECT, IN CONFORMANCE WITH APPLICABLE CODES, LAWS, ORDINANCES AND AGENCY STANDARDS OF GOVERNING BODIES HAVING JURISDICTION, AND IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND BUILDING STANDARDS.

2) PRODUCTS, INCLUDING EQUIPMENT, DEVICES, FIXTURES, AND MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE, UL LISTED, AND BEAR APPROPRIATE LABEL.

3) EXECUTION, INCLUDING PREPARATION, INSTALLATION, STARTING, AND TESTING SHALL BE PERFORMED BY SKILLED TRADES PERSONNEL, IN COMPLIANCE WITH THE ASSOCIATED MANUFACTURERS RECOMMENDATIONS, AND COORDINATED WITH THE OTHER CONSTRUCTION TRADES.

B. APPLICABLE LAWS AND AGENCY STANDARDS:

1)	AMERICAN NATIONAL STANDARDS INSTITUTE	ANSI
2)	AMERICAN SOCIETY FOR TESTING AND MATERIALS	ASTM
3)	AMERICANS WITH DISABILITIES ACT	ADA
4)	ASSOCIATION OF EDISON ILLUMINATING COMPANIES	AEIC
5)	CERTIFIED BALLAST MANUFACTURERS	CBM
6)	ELECTRICAL TESTING LABORATORIES	ETL
7)	ELECTRONIC/TELECOMMUNICATIONS INDUSTRIES ASSOCIATION	EIA/TIA
8)	ENERGY POLICY ACT OF 1992	EPACT
9)	FEDERAL AVIATION ADMINISTRATION	FAA
10)	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA	IESNA
11)	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS	IEEE
12)	INSULATED CABLE ENGINEERS ASSOCIATION	ICEA
13)	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	NEMA
14)	NATIONAL FIRE PROTECTION ASSOCIATION	NFPA
15)	UNDERWRITERS' LABORATORIES	UL

C. SUBMITTALS:

1) PRODUCT DATA SHALL BE PREPARED AND SUBMITTED FOR REVIEW PRIOR TO CONSTRUCTION FOR THE FOLLOWING PRODUCTS: CABINETS, ACCESS PANELS, SUPPORTS, RACEWAY COMPONENTS, FLOOR BOXES, FIRE PROOF FITTINGS, WIRE, FUSES, CIRCUIT BREAKERS, RECEPTACLES, TOGGLE SWITCHES, SLIDE DIMMERS, DISCONNECT SWITCHES, MOTOR STARTERS, CONTACTORS, LIGHTING FIXTURES, BALLASTS, LAMPS, CONTROLS, FIRE ALARM DEVICES, LIFE SAFETY DEVICES, AND ELECTRIC HEATING EQUIPMENT.

2) SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED FOR REVIEW PRIOR TO CONSTRUCTION FOR THE FOLLOWING PRODUCTS: METERING EQUIPMENT, DISTRIBUTION PANELBOARDS, BRANCH PANELBOARDS, TRANSFORMERS, CABLE TRAY, DIMMING EQUIPMENT, FIRE ALARM EQUIPMENT, AND LIFE SAFETY EQUIPMENT.

3) TEST RESULTS SHALL BE PREPARED AND SUBMITTED PRIOR TO PROJECT COMPLETION FOR CABLE INSULATION, GROUNDING SYSTEM, EMERGENCY SYSTEM, FIRE ALARM SYSTEM, AND LIFE SAFETY SYSTEMS IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION, AND APPLICABLE CODES AND AGENCY STANDARDS.

4) MANUFACTURERS INSTRUCTIONS SHALL BE PREPARED AND SUBMITTED PRIOR TO CONSTRUCTION INCLUDING INSTALLATION MANUALS WITH APPLICATION CONDITIONS AND LIMITATIONS FOR ELECTRICAL APPARATUS USE, STORAGE, HANDLING, PROTECTION, EXAMINATION, PREPARATION, INSTALLATION, AND STARTING.

5) PROJECT RECORD DOCUMENTS SHALL BE PREPARED USING AUTOCAD OR EQUIVALENT CAD PACKAGE. PROJECT RECORD DOCUMENTS SHALL BE SUBMITTED ON REPRODUCIBLE MEDIA PRIOR TO PROJECT COMPLETION FOR ELECTRICAL SYSTEMS. RECORD ACTUAL LOCATION OF EQUIPMENT, DEVICES, FIXTURES, ETC. RECORD ACTUAL ROUTING OF OVERHEAD FEEDERS. RECORD ACTUAL ROUTING OF FEEDERS BELOW SLAB AND BRANCH CIRCUITS WITHIN OR BELOW SLAB.

6) MAINTENANCE DATA SHALL BE PREPARED AND SUBMITTED PRIOR TO PROJECT COMPLETION FOR ELECTRICAL APPARATUS INCLUDING OPERATION MANUALS AND MAINTENANCE MANUALS.

D. COORDINATION:

1) ELECTRICAL ENGINEER: NOTIFY THE ENGINEER OF ANY CONFLICTING DESIGN INFORMATION OR ANY DESIGN INTENTIONS WHICH ARE NOT READILY INTERPRETED FROM THE CONTRACT DOCUMENTS PRIOR TO ANY PRODUCT SELECTION OR EXECUTION OF WORK. NOTIFY THE ENGINEER OF ANY PRODUCTS WHICH ARE DAMAGED, UNSUITABLE, INCOMPATIBLE, OR NON-COMPLIANT WITH ANY APPLICABLE CODES OR ORDINANCES OF ANY GOVERNING BODIES HAVING LAWFUL JURISDICTION.

2) CONSTRUCTION TRADES: COORDINATE WORK WITH OTHER CONSTRUCTION TRADES.

3) BUILDING MANAGEMENT: MEET ON SITE WITH THE BUILDING ENGINEER TO BECOME FAMILIAR WITH BUILDING STANDARDS. NORMAL BUILDING WORKING HOURS SHALL BE RECOGNIZED. AFTER-HOURS WORK OR TEMPORARY SERVICES SHALL BE WITH PRIOR WRITTEN APPROVAL FROM BUILDING MANAGEMENT. ENCLOSE CONSTRUCTION AREA FROM OTHER AREAS TO PREVENT TRANSMISSION OF DUST, DIRT AND NOISE INTO OTHER EXISTING TENANT AREAS. PRODUCT AND WASTE TRANSFER SHALL BE COORDINATED WITH BUILDING MANAGEMENT FOR SCHEDULING OF THE ELEVATORS, DELIVERIES, AND WASTE REMOVAL.

4) EXISTING BUILDING SYSTEMS: REVIEW BUILDING STANDARDS WITH THE BUILDING ENGINEER. PERFORM A SITE VISIT TO VERIFY THE EXISTING SITE CONDITIONS. COSTS ASSOCIATED WITH UNFORESEEN CONDITIONS AS RESULT OF NOT PERFORMING A SITE VISIT SHALL NOT BE AN ENTITLEMENT FOR AN INCREASE TO THE CONTRACT. CONSTRUCTION SHALL BE PERFORMED WITHOUT INTERRUPTION TO THE BUILDING POWER, COMMUNICATIONS, SECURITY, FIRE ALARM AND LIFE SAFETY SYSTEMS, OR INTERFERENCE TO COMMON AREAS, CORRIDORS, EXITS OR EXISTING TENANTS. WHERE ANY CONSTRUCTION WOULD INTERFERE WITH THE DAILY OPERATIONS OF THE BUILDING OR OTHER TENANTS, AFTER-HOURS WORK OR TEMPORARY SERVICES SHALL BE PROVIDED AT NO INCREASE TO THE CONTRACT.

E. WARRANTEE AND GUARANTEE

1) PROVIDE WARRANTEE AND MANUFACTURERS CERTIFICATE FOR EACH PRODUCT, MINIMUM OF ONE YEAR OR LONGER AS SPECIFIED, FROM THE DATE OF OCCUPANCY. REPAIR AND/OR REPLACE ANY EQUIPMENT, DEVICES, FIXTURES, MATERIALS, ETC. WITH DEFECT AS REQUIRED AT NO INCREASE TO THE CONTRACT.

2) PROVIDE GUARANTEE OF INSTALLATION FOR A PERIOD OF ONE YEAR FROM THE DATE OF OCCUPANCY. REPAIR AND/OR REINSTALL ANY WORK WITH DEFECT AS REQUIRED AT NO INCREASE TO THE CONTRACT. PROVIDE GUARANTEE OF REWORK FOR A PERIOD OF ONE YEAR FROM THE COMPLETION OF REPAIR OR REINSTALLATION.

3) DAMAGE CAUSED TO FINISHES, SURFACES, CEILING TILES, EQUIPMENT, ETC. SHALL BE REPAIRED AND/OR REPLACED TO MATCH THE PRE-EXISTING CONDITION AT NO INCREASE TO THE CONTRACT.

F. PAY FEES AND OTHER CHARGES INCIDENTAL TO THE ELECTRICAL WORK AND OBTAIN AND PAY FOR REQUIRED LIABILITY AND CASUALTY INSURANCE, PERMITS, LICENSES, INSPECTIONS, TAXES, ETC.

G. CONSTRUCTION SHALL BE DONE DURING NIGHTS AND WEEKENDS, UNLESS OTHERWISE SPECIFIED.

H. ALLOW FOR 2 MAN-HOURS OF TRAINING TO THE OWNERS STAFF FOR THE OPERATION OF THE ELECTRICAL SYSTEMS.

I. SUBSTITUTIONS ARE NOT ACCEPTABLE.

2. PRODUCTS

A. CABINETS, ENCLOSURES AND ACCESS PANELS SHALL BE CODE GAGE STEEL WITH BAKED ENAMEL FINISH AND FLANGELESS HINGES AND FASTENERS. EQUIPMENT BASES SHALL BE 3 INCH HIGH CONCRETE, STEEL BRACED AND REINFORCED WITH 1/4 INCH CHAMFER, AND SHALL EXTEND A MINIMUM OF 2 INCHES AROUND BASE OF EQUIPMENT. VIBRATION ISOLATION SHALL BE SPRING ELEMENTS IN SUSPENDED RODS AND ISOLATION PADS BELOW EQUIPMENT, ELECTRICAL CONNECTIONS SHALL BE FLEXIBLE CONDUIT.

B. CONDUITS SHALL BE HOT-DIPPED GALVANIZED OR ELECTRO-GALVANIZED STEEL, MINIMUM SIZE SHALL BE 3/4 INCH, EXCEPT POWER BRANCH CIRCUITS MAY BE 1/2 INCH (UNLESS NOTED OTHERWISE) AND FLEXIBLE CONNECTIONS TO RECESSED LIGHTING FIXTURES WHICH MAY BE 3/8 INCH. FLEXIBLE STEEL CONDUIT SHALL BE GALVANIZED STEEL, WITH UL LISTED LIQUID TIGHT JACKET AS REQUIRED, FOR FINAL CONNECTIONS TO MOTORS, RECESSED LIGHTING FIXTURES, AND LIFE SAFETY DEVICES. SUPPORTS, INCLUDING CHANNELS, ANGLES, RODS, AND FASTENERS SHALL BE HOT-DIPPED GALVANIZED STEEL. MANUFACTURER SHALL BE ALLIED, LTV/REPUBLIC, STEELDUCT, OR WHEATLAND.

C. CONDUIT FITTINGS SHALL BE STEEL, DIE CAST FITTINGS OF POT METAL ARE NOT ACCEPTABLE. ELECTRICAL METALLIC TUBING (EMT) FITTINGS SHALL BE COMPRESSION TYPE WITH INSULATED THROATS; SET SCREW FITTINGS ARE NOT ACCEPTABLE. INTERMEDIATE METAL CONDUIT (IMC) AND HEAVY WALL CONDUIT (HWG) FITTINGS SHALL BE OF THREADED JOINTS; SET SCREW AND COMPRESSION FITTINGS ARE NOT ACCEPTABLE. MANUFACTURER SHALL BE APPLETON, CROUSE HINDS/MIDWEST, OZ/GGEDNEY, RACO, STEEL CITY, OR T&B.

D. OUTLET BOXES FOR ALL TOGGLE SWITCHES, RECEPTACLES, COMMUNICATIONS DEVICES, FIRE ALARM DEVICES, AND LIFE SAFETY DEVICES SHALL INCLUDE PLASTER RINGS, DEVICE PLATES, AND COVER PLATES WHERE REQUIRED. PROVIDE BOXES SUITABLE FOR PLENUM, WET, OR HAZARDOUS LOCATIONS AS REQUIRED. DEVICE COVER PLATES SHALL BE STAINLESS STEEL PAINTED TO MATCH FINISH. MULTI-GANG OUTLET BOXES SHALL INCLUDE SUITABLE ONE-PIECE DEVICE COVER PLATE. OUTLETS LOCATED ON OPPOSITE SIDES OF A PARTITION SHALL BE STAGGERED BY 12 INCHES, MINIMUM. MANUFACTURER SHALL BE APPLETON, RACO, OR STEEL CITY.

E. CABLE MANAGEMENT RACEWAY SYSTEMS INCLUDING SURFACE MOUNTED, SUSPENDED, OR FLUSH IN-FLOOR OR IN-WALL DUCTS, ADJUSTABLE SUPPORTS, ELVOWS, FITTINGS, AND ALL REQUIRED ACCESSORIES SHALL BE OF UL STANDARD GALVANIZED STEEL, AND SHALL BE SIZED IN ACCORDANCE WITH CODE TO ADEQUATELY FACILITATE PULLING AND CONNECTING THE QUANTITY AND SIZE OF WIRES AND CABLES CONTAINED. MANUFACTURER SHALL BE WIREMOLD OR STEEL CITY.

F. WIRE SHALL BE 600 VOLT INSULATED COPPER, MINIMUM SIZE SHALL BE NO.12 AWG, WIRE SIZES NO.8 AWG AND LARGER SHALL BE STRANDED. MANUFACTURER SHALL BE AMERICAN INSULATED WIRE CORP., CERRO, COLLYER, CAPITOL WIRE AND CABLE, OKONITE, SENETOR, SOUTH WIRE, OR TRIANGLE.

G. HCF-MC CABLE IS ACCEPTABLE FOR BRANCH CIRCUIT WIRING TO FEED NEW DEVICES IN EXISTING WALLS. MC CABLE SHALL BE TERMINATED IN A JUNCTION BOX IN AN ACCESSIBLE CEILING CAVITY WITHIN 24" OF LEAVING THE WALL CAVITY. MC CABLE IS NOT ACCEPTABLE WHERE NOT PERMITTED BY CODE, FOR FEEDERS, OR TO FEED MECHANICAL EQUIPMENT.

H. CABLE SUPPORTS SHALL BE APPROPRIATE FOR THE SIZE OF CONDUIT AND TYPE OF WIRE AND CABLES. CABLE LUBRICANT SHALL BE LESS THAN SIX PERCENT SOLID RESIDUE AFTER DRYING AND SHALL NOT CONTAIN ANY WAXES, GREASES, SILICONES, OR GLYCOL OILS.

I. BRANCH PANELBOARDS SHALL BE FULLY RATED WITH ALUMINUM PHASE, NEUTRAL, AND GROUND BUS, BRACED AT 14,000 AIC FOR 480Y/277 VOLT SYSTEMS AND 10,000 AIC FOR 208Y/120V SYSTEMS, OR MORE TO BE GREATER THAN THE AVAILABLE SHORT CIRCUIT CURRENT. MANUFACTURER SHALL BE EATON OR SQUARE D.

J. LOCAL DISCONNECT SWITCHES FOR ELECTRICALLY OPERATED EQUIPMENT SHALL BE HEAVY DUTY WITHIN ENCLSOURE SUITABLE FOR THE LOCATION. FUSIBLE AND NON-FUSIBLE DISCONNECT SWITCHES 600 AMPS AND SMALLER SHALL BE QUICK-MAKE, QUICK-BREAK TYPE. MANUFACTURER SHALL BE EATON OR SQUARE D.

K. OVERCURRENT AND SHORT CIRCUIT PROTECTION WITHIN FUSIBLE SWITCHES SHALL BE CLASS RK-1 CURRENT LIMITING TIME DELAY FUSES FOR SWITCHES RATED 600 AMPS AND SMALLER. MANUFACTURER SHALL BE BUSSMANN.

L. TRANSFORMERS SHALL BE ALUMINUM WOUND, DRY TYPE VENTILATED, 115°C RISE WITH NEMA STANDARD VOLTAGE TAPS AND SOUND RATINGS. TRANSFORMERS SERVING NON-LINEAR LOADS SHALL BE K-13 RATED OR BETTER FOR THE ORDER AND MAGNITUDE OF HARMONIC CONTENT. TRANSFORMERS SERVING ISOLATED GROUND DISTRIBUTION SYSTEMS SHALL BE SHIELDED ISOLATION TYPE. MANUFACTURER SHALL BE MAGNETEK/JEFFERSON, SOLA/HEAVY DUTY, SQUARE D/SORGEL.

M. GROUNDING SYSTEM, INCLUDING SERVICE AND EQUIPMENT GROUNDING AND BONDING, SHALL BE IN ACCORDANCE WITH CODE AND SHALL CONNECT ALL ELECTRICALLY OPERATED EQUIPMENT. PROVIDE A SEPARATE GREEN GROUND WIRE FOR EACH BRANCH CIRCUIT AND FEEDER.

N. RECEPTACLES SHALL BE DUPLEX NEMA 5-20R, BACK AND SIDE WIRED, HOSPITAL SPECIFICATION GRADE, UNLESS NOTED OTHERWISE. SPECIAL RECEPTACLE CONFIGURATIONS SHALL BE AS REQUIRED OR AS INDICATED ON THE CONTRACT DOCUMENTS. GENERAL RECEPTACLE COLOR SHALL BE IVORY FOR NORMAL POWERED RECEPTACLES AND RED FOR CRITICAL POWERED RECEPTACLES UNLESS SPECIFIED OTHERWISE, VERIFY COLOR WITH ARCHITECT. MANUFACTURER SHALL BE BRYANT, HUBBELL, LEVITON, OR PASS & SEYMOUR.

O. NEW FIRE ALARM DEVICES PROVIDED WITHIN EXISTING SYSTEMS SHALL MATCH EXISTING DEVICE MANUFACTURER AND TYPE. STROBES SHALL MEET ADA GUIDELINES FOR THE APPLICATION AND SHALL BE RATED 75CD. STROBES RATED 15/75CD WITH 75CD ON AXIS ARE NOTE ACCEPTABLE. EXISTING FIRE ALARM DEVICES SHALL BE EXTENDED AS REQUIRED EXISTING FIRE ALARM EQUIPMENT SHALL BE EXPANDED AS REQUIRED WITH ANY ADDITIONAL COMPONENTS FOR PROPER OPERATION OF NEW DEVICES ON EXISTING EQUIPMENT.

3. EXECUTION

A. PENETRATIONS AND CHANNELS IN FLOORS AND WALLS SHALL BE VIA CUTTING AND CORING AS REQUIRED FOR THE SIZE OF PRODUCT, ONLY IN ACCORDANCE WITH THE ARCHITECT AND ENGINEER RECOMMENDATIONS, AND AS SCHEDULED WITH THE BUILDING MANAGEMENT. PATCH AND FILL SLEEVES, INSERTS, PENETRATIONS, AND CHANNELS WITH APPROPRIATE CODE APPROVED FIRE SAFING OR FILLING TO MATCH OR RESTORE THE ORIGINAL FIRE RATING OF THE CONSTRUCTION.

B. INSTALL 3 INCH CONCRETE PAD BELOW FLOOR MOUNTED EQUIPMENT INCLUDING DISTRIBUTION PANELBOARDS, TRANSFORMERS, ETC.

C. MAKE FINAL CONNECTIONS TO VIBRATING EQUIPMENT, FIXTURES, AND EVICES WITH FLEXIBLE METAL CONDUIT OR LIQUIDTIGHT FLEXIBLE METAL CONDUIT AS REQUIERD. EXTEND GROUND WIRE THROUGH FLEXIBLE CONNECTIONS.

D. INSTALL CONDUIT, FITTINGS, SUPPORTS, ETC. IN ACCORDANCE WITH CODES, STANDARDS, AND MANUFACTURERS RECOMMENDATIONS. THE VOLTAGES IDENTIFIED IN THE FOLLOWING SCHEDULES ARE LINE-TO-LINE OR LINE-TO-NEUTRAL. INTERIOR CONCEALED LOCATIONS ARE THOSE LOCATIONS WHICH ARE ABOVE CEILINGS, WITHIN WALLS, WITHIN FLOOR SLABS, AND WITHIN DEDICATED ELECTRICAL ROOMS. CONDUIT INSTALLATION SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

VOLTAGE LOCATION	0V THRU 50V	ABOVE 50V THRU 250V	ABOVE 250V THRU 600V	ABOVE 600V
INTERIOR CONCEALED	EMT	EMT	≤ 2"EMT ≥ 2 1/2"IMC	HWG
INTERIOR EXPOSED	EMT	≤ 2"EMT ≥ 2 1/2"IMC	IMC	HWG
EXTERIOR AND HAZARDOUS LOCATIONS	EMT	IMC	HWG	HWG

E. INSTALL PULL BOXES, JUNCTION BOXES, AND OUTLET BOXES IN ACCORDANCE WITH CODES, STANDARDS, AND MANUFACTURERS RECOMMENDATIONS. BOXES SHALL INCLUDE ACCESSIBLE COVERS, SHALL BE FABRICATED OF HEAVY GAGE GALVANIZED STEEL, AND SHALL BE SIZED WITH CODE TO ADEQUATELY FACILITATE PULLING AND CONNECTING THE QUANTITY OF WIRES, CABLES, AND FEEDERS CONTAINED. CONDUIT TERMINATIONS SHALL BE MADE WITH BUSHINGS AND LOCKNUTS. SUPPORTS FOR CONDUITS AND BOXES SHALL BE SUSPENDED DIRECTLY TO THE BUILDING STRUCTURAL COMPONENTS AND IN NO CASE SHALL THEY BE ATTACHED TO SUSPENDED CEILING GRID, DUCTWORK, OR PIPING COMPONENTS.

F. INSTALL FEEDERS AND BRANCH CIRCUIT WIRING IN ACCORDANCE WITH CODES, STANDARDS, AND MANUFACTURERS RECOMMENDATIONS. COORDINATE INSTALLATION WITH PANEL MANUFACTURERS LUG PROVISIONS. INSTALL NORMAL POWER AND ESSENTIAL SYSTEMS WIRING WITHIN CONTINUOUS METAL RACEWAYS. INSTALL CONCEALED SECURITY AND COMMUNICATIONS WIRING WITHIN CONTINUOUS METAL RACEWAYS. SEPARATE EACH SYSTEM INTO INDEPENDENT RACEWAYS. PROVIDE CABLE SUPPORTS AS REQUIRED. TERMINATE CABLES PER CODE AND MANUFACTURERS RECOMMENDATIONS. PROVIDE (2) HOLE LUGS FOR CABLES 250 KCMIL AND LARGER. POWER WIRING INSULATION SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

WIRE LOCATION	300 KCMIL AND SMALLER	350 KCMIL AND LARGER	ENVIRONMENTAL CONDITIONS
INTERIOR LOCATIONS	THHN/THWN	XHHW	DRY

G. INSTALL ELECTRICAL DISTRIBUTION EQUIPMENT AND DEVICES IN ACCORDANCE WITH CODES, STANDARDS, AND MANUFACTURERS RECOMMENDATIONS.

H. INSTALL GROUNDING SYSTEMS IN ACCORDANCE WITH CODES, STANDARDS, AND MANUFACTURERS RECOMMENDATIONS.

I. INSTALL LIGHTING AND ASSOCIATED CONTROLS, INCLUDING FIXTURES, DRIVERS, TOGGLE SWITCHES, SLIDE DIMMERS, DIMMING EQUIPMENT, LIGHTING CONTACTORS, ETC. IN ACCORDANCE WITH CODEE, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.

J. INSTALL SINGLE AND MULTIPLE DEVICE COVER PLATES AS REQUIRED. EXTEND EXISTING DEVICES TO FINISHED SURFACE AS REQUIRED.

K. INSTALL FIRE ALARM AND OTHER LIFE SAFETY SYSTEMS IN ACCORDANCE WITH CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.

L. INSTALL INSCRIPTION PLATES AND IDENTIFICATION MARKINGS FOR PRODUCTS AND WIRING INCLUDING THE SAME INSCRIPTIONS WHERE INDICATED ON THE CONTRACT DOCUMENTS. INSTALL PLASTIC LAMINATE NAMEPLATES ON ENCLOSURES FOR EACH DEVICE WITHIN METERING EQUIPMENT, DISTRIBUTION PANELBOARDS, BRANCH PANELBOARDS, MOTOR STARTERS, DISCONNECT SWITCHES, TRANSFORMERS, AND CONTACTORS. NAMEPLATES SHALL BE WHITE WITH BLACK CORE, 1-1/4 INCHES BY 3 INCHES MINIMUM, WITH 3/16 INCH LETTERING, SECURED TO EQUIPMENT WITH TWO MACHINE SCREWS. PREPARE AND INSTALL TYPE-WRITTEN PANEL DIRECTORY WITHIN EACH BRANCH PANEL. DEVICE PLATES SHALL BE ENGRAVED FOR TOGGLE SWITCHES AND OTHER DEVICES WHOSE FUNCTION IS NOT READILY APPARENT. MARKERS SHALL BE SELF-STICKING FOR EACH WIRE AND CABLE AT TERMINATIONS AND AT EACH ACCESSIBLE POINT IN EQUIPMENT AND RACEWAY.

M. CLEAN ELECTRICAL APPARATUS PRIOR TO COMPLETION OF CONSTRUCTION. KEEP WORK AREAS CLEAN AT ALL TIMES.

N. ALTERATIONS AND DEMOLITION OF EXISTING SYSTEMS SHALL BE AS FOLLOWS:

1) PROVIDE ALL ALTERATIONS AND DEMOLITION OF THE EXISTING ELECTRICAL INSTALLATION AS REQUIRED, INCLUDING ANY INCIDENTAL MATERIALS TO EXECUTE ALL REMOVAL, REROUTING, RELOCATION, AND ANY OTHER MODIFICATIONS FOR PROPER ACCOMMODATION OF ALL NEW CONSTRUCTION AS INDICATED ON THE CONTRACT DOCUMENTS. ALL ALTERATIONS AND DEMOLITION SHALL BE AS INDICATED ON THE CONTRACT DOCUMENTS OR AS REQUIRED, INCLUDING ANY MODIFICATIONS NOT SPECIFICALLY IDENTIFIED ON ANY CONTRACT DOCUMENTS BUT REQUIRED TO COMPLETE ALL NEW CONSTRUCTION.

2) PROVIDE ALL MODIFICATIONS TO EXISTING EQUIPMENT AS REQUIRED OR AS INDICATED ON THE CONTRACT DOCUMENTS IN STRICT ACCORDANCE WITH THE EXISTING PRODUCT MANUFACTURERS RECOMMENDATIONS.

3) EXISTING RACEWAY, WIRE AND CABLE EXTENDING THROUGH THE CONSTRUCTION AREA BUT SERVING AREAS OUTSIDE THE CONTRACT SHALL BE REROUTED AND RECONNECTED AS REQUIRED. ALL MODIFICATIONS SHALL BE WITHOUT ANY INTERRUPTION TO THE BUILDING POWER, COMMUNICATIONS, SECURITY, FIRE ALARM AND LIFE SAFETY SYSTEMS, OR INTERFERENCE TO OTHER AREAS OR TENANTS. WHERE ANY MODIFICATIONS WOULD INTERFERE WITH THE DAILY OPERATIONS OF THE BUILDING OR OTHER TENANTS, AFTER-HOURS WORK OR TEMPORARY SERVICES SHALL BE PROVIDED WITH PRIOR WRITTEN APPROVAL FROM THE BUILDING.

4) EXISTING CONDUIT, WIRE, CABLE, SUPPORTS, HANGERS, AND OTHER ELECTRICAL INSTALLATION WHICH IS REMOVED, SHALL BE COMPLETELY REMOVED, BACK TO THE FIRST DEVICE OR THAT EQUIPMENT WHICH IS UNAFFECTED BY THE MODIFICATIONS. CONDUIT WHICH IS BURIED IN CONCRETE OR OTHERWISE INACCESSIBLE MAY BE ABANDONED AND CAPPED AT EACH END. ALL WIRE AND CABLE SHALL BE REMOVED FROM ANY ABANDONED CONDUIT.

5) EXISTING ELECTRICAL MATERIALS AND EQUIPMENT, INCLUDING LIGHTING FIXTURES, SWITCHES, RECEPTACLES, SPEAKERS, CONDUIT, OUTLET BOXES, FITTINGS, WIRE, CABLE, AND OTHER EQUIPMENT AND DEVICES WHICH ARE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STORED OR DISCARDED AS DIRECTED.

6) REUSE EXISTING ELECTRICAL PRODUCTS AS INDICATED ON THE CONTRACT DOCUMENTS ONLY AS IS FOUND PRACTICAL. EXAMINE THE CONDITION OF ALL SUCH PRODUCTS, DETERMINE SUITABILITY FOR RE-USE, AND PERIODICALLY NOTIFY THE ARCHITECT/ENGINEER OF FINDINGS FOR FINAL ACCEPTANCE OF RE-USE. WIRE AND CABLE FOR NEW CONSTRUCTION OR EXTENSION OF AN EXISTING INSTALLATION SHALL BE NEW, IN NO CASE SHALL EXISTING WIRE AND CABLE BE REUSED.

7) REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR FULL EXTENT AND SCOPE OF PARTITION AND CEILING MODIFICATIONS.

7)a. EXISTING CEILINGS TO REMAIN SHALL NOT BE ALTERED EXCEPT WHERE REMOVAL AND REPLACEMENT OF SURFACES IS REQUIRED TO MODIFY SYSTEMS WITHIN CEILING SPACE.

7)b. EXISTING CEILINGS TO BE REMOVED SHALL INCLUDE DEMOLITION OF ALL FIXTURES, EQUIPMENT, SPEAKERS, RACEWAY, AND WIRE, INCLUDING ANY OBSOLETE OR PREVIOUSLY ABANDONED PRODUCTS. REMAINING AREAS SHALL ONLY BE ALTERED AS REQUIRED AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

7)c. EXISTING PARTITIONS TO REMAIN SHALL NOT BE ALTERED EXCEPT WHERE REMOVAL AND REPLACEMENT OF SURFACES IS REQUIRED TO MODIFY SYSTEMS WITHIN PARTITIONS.

7)d. EXISTING PARTITIONS TO BE REMOVED SHALL INCLUDE DEMOLITION OF ALL DEVICES, RACEWAY AND WIRE INCLUDING ANY OBSOLETE OR PREVIOUSLY ABANDONED PRODUCTS. RACEWAY AND WIRING SYSTEMS SERVING OTHER REMAINING AREAS SHALL ONLY BE ALTERED AS REQUIRED AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

7)e. EXISTING FLOOR MOUNTED DEVICES SHALL BE DEMOLISHED. PROVIDE ABANDONING PLATES AND FIRE PROOFING AS REQUIRED.

8) REFER TO MECHANICAL AND PLUMBING DEMOLITION DRAWINGS FOR FULL EXTENT AND SCOPE OF ELECTRICALLY OPERATED EQUIPMENT MODIFICATIONS.

8)a. DEMOLITION OF EXISTING MECHANICAL EQUIPMENT SHALL INCLUDE ASSOCIATED DISCONNECTS, RACEWAY, WIRE AND CONTROLS.

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No.	Description	Date

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MICHAEL P THOMASON
PROFESSIONAL ENGINEER
01/21/2021

20-029 TMCA IR 3 RENOVATION

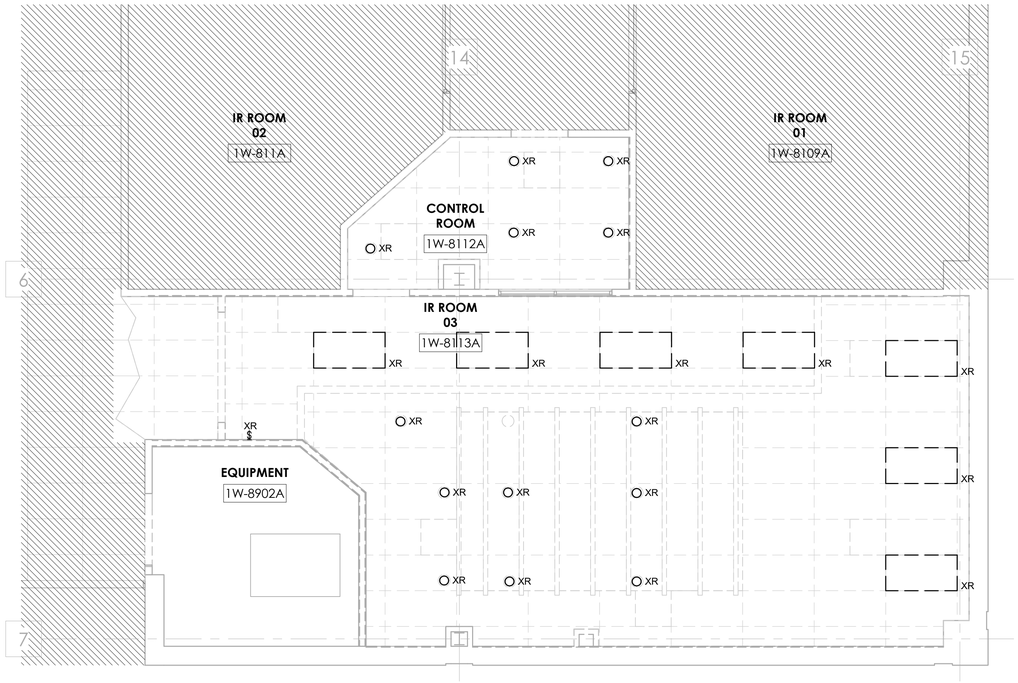
1501 S. POTOMAC ST., AURORA, CO 80012

Issue	DEMOLITION
Date	21 JANUARY 2021
Project Number	20-029
Drawn by	KDC
Checked by	MT

Sheet Title
ELECTRICAL SPECIFICATIONS

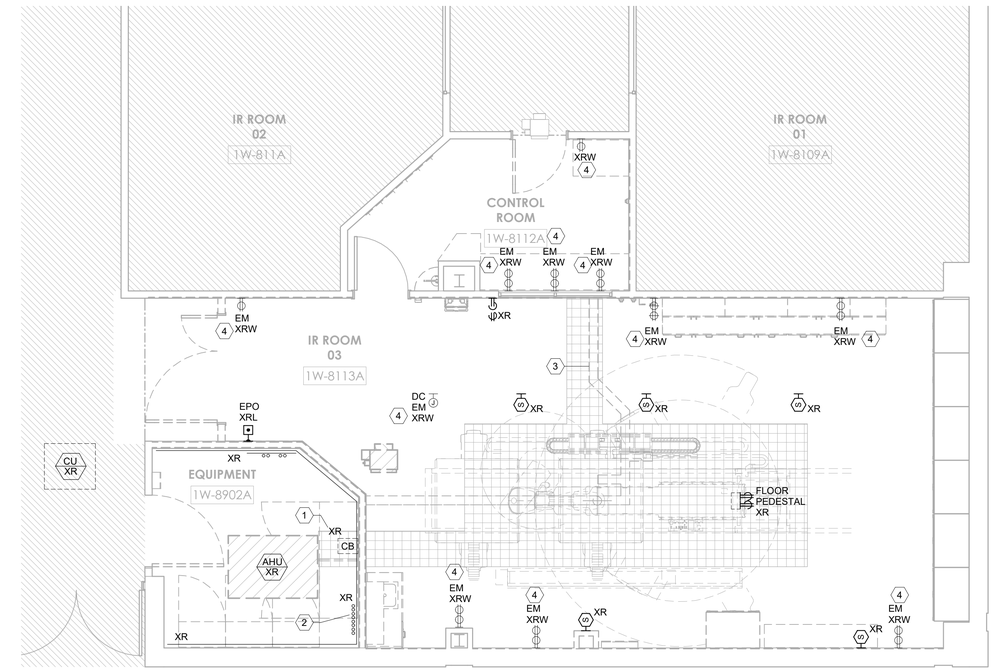
Sheet Number
E.102

RSN: 1514651
Permit: 2021-1921185-CT



1 LEVEL 01 - LIGHTING DEMOLITION PLAN

1/4" = 1'-0"



2 LEVEL 01- POWER DEMOLITION PLAN

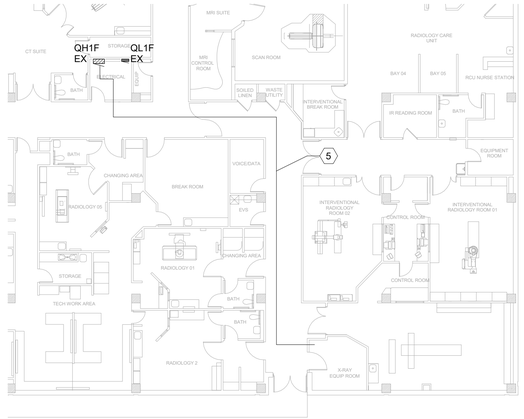
1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET E.101 FOR ELECTRICAL LEGENDS, NOTES, AND ABBREVIATIONS.
2. REFER TO SHEET E.102 FOR ELECTRICAL SPECIFICATIONS.
3. REMOVE/SALVAGE ALL EXISTING SPEAKERS, CAMERAS, NOTIFICATION DEVICES, ETC. AS REQUIRED TO ACCOMMODATE THE NEW WORK. TURN OVER EXISTING EQUIPMENT TO OWNER OR OTHERWISE DISCARD AS DIRECTED (TYPICAL).

KEYED NOTES:

1. EXISTING 125A/3P ENCLOSED CIRCUIT BREAKER AND ASSOCIATED FEEDER TO BE REMOVED. FEEDER ORIGINATES FROM PANEL QH1F CCT. 8,10,12. REMOVE FEEDER BACK TO THE POWER SOURCE.
2. EXISTING WALL-MOUNTED WIREWAY AND ASSOCIATED CONDUIT RELEASED FROM SERVICE SHALL BE REMOVED. PORTIONS OF THE EXISTING WIREWAY AND CONDUIT MAY BE REUSED FOR NEW SYSTEM CABLING WHERE PRACTICABLE. COORDINATE ALL REQUIREMENTS IN FIELD WITH EXISTING CONDITIONS (TYPICAL).
3. EXISTING FLOOR TRENCH DUCT TO BE REMOVED. COORDINATE ALL CABLE REMOVAL WITH EQUIPMENT VENDOR AND ARCHITECT (TYPICAL).
4. REMOVE EXISTING EQUIPMENT BRANCH CIRCUITS ORIGINATING FROM PANEL QL1F. MAINTAIN EXISTING DEVICE LOCATIONS TO BE WIRED TO NEW CRITICAL BRANCH CIRCUITS (TYPICAL).
5. EXISTING IR-3 IMAGING EQUIPMENT FEEDER TO BE REMOVED BACK TO SOURCE, QH1F-8,10,12. VERIFY EXISTING ROUTING IN FIELD.



3 LEVEL 01 - OVERALL ELECTRICAL DEMOLITION PLAN

1/16" = 1'-0"

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No.	Description	Date

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MICHAEL P THOMPSON
53150
PROFESSIONAL ENGINEER
01/21/2021

20-029 TMCA IR 3 RENOVATION

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Date	21 JANUARY 2021
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Drawn by	Author
Checked by	Checker

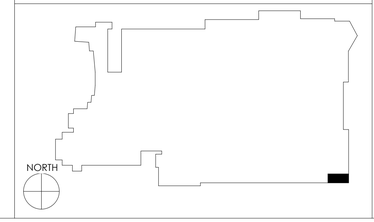
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LEVEL 01 - ELECTRICAL DEMOLITION

Sheet Number

ED.201

KEY PLAN



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