ELECTRICAL SYMBOLS

CONDUIT AND RACEWAY		MOUNTING (UON)
	CONDUIT RUN IN OR ON CEILING OR WALL.	NA
	CONDUIT RUN IN FLOOR, UNDER FLOOR, OR UNDERGROUND.	NA
	MARKS INDICATE QTY OF CONDUCTORS IN CONDUIT EXCLUDING GROUND. NO MARKS INDICATE (2) CONDUCTORS. ADD GROUND PER NEC FOR EMT & NON-METALLIC CONDUIT.	NA
	LONG MARK INDICATES GROUND FOR ISOLATED GROUNDING SYSTEM. SIZE PER NEC.	NA
	BRANCH CIRCUIT (DIAGRAMMATIC)	NA
LA-1	HOMERUN INDICATING PANEL AND CIRCUIT NUMBER.	NA
LA-[1,3,5]	HOMERUN WITH CIRCUIT NUMBER IN BRACKETS INDICATING MULT-PHASE LOAD.	NA
ON HA-1	"ON" INDICATES CIRCUITING SPLIT AT DIFFERENT LOCATIONS	NA
	CONDUIT DOWN.	NA
	CONDUIT UP.	NA
	CONDUIT STUB AND CAP.	NA
POWER DEVICES		MOUNTING (UON)
	DUPLEX CONVENIENCE OUTLET, +18" AFF (TYPICAL).	W, +18" AFF
	DUPLEX CONVENIENCE OUTLET, COUNTER HEIGHT +48" AFF (TYPICAL).	W, FVMH
	CONVENIENCE OUTLET W/ GFCI PROTECTION.	W, +18" AFF
WP	CONVENIENCE OUTLET W/ GFCI PROTECTION & WEATHER PROOF-IN-USE COVER.	W, +18" AFF
IG	DUPLEX CONVENIENCE OUTLET W/ DEDICATED CIRCUIT & ISOLATED GROUND.	W, +18" AFF
MON	DUPLEX CONVENIENCE OUTLET FOR MONITOR. COORDINATE WITH ARCH/OWNER.	W, +60" AFF
USB	DUPLEX CONVENIENCE OUTLET WITH INTEGRAL USB CHARGING PORTS.	W, +18" AFF
DF	DUPLEX CONVENIENCE OUTLET FOR DRINKING FOUNTAIN. COORDINATE WITH MECH.	W, +30" AFF
REF	DUPLEX CONVENIENCE OUTLET W/ DEDICATED CIRCUIT FOR REFRIGERATOR.	W, +42" AFF
DISP	DUPLEX CONVENIENCE OUTLET W/ DEDICATED CIRCUIT FOR WASTE DISPOSAL.	W, +18" AFF
	DOUBLE DUPLEX CONVENIENCE OUTLET.	W, +18" AFF
	DOUBLE DUPLEX CONVENIENCE OUTLET, COUNTER HEIGHT +48"AFF (TYPICAL).	
	DUPLEX CONVENIENCE OUTLET, CEILING MOUNTED, FVMH.	C, FVMH
	QUAD RECEPTACLE IN FLOOR BOX, UNLESS NOTED OTHERWISE.	FL
	DUPLEX RECEPTACLE IN FLOOR BOX, UNLESS NOTED OTHERWISE.	FL
	SPECIAL PURPOSE OUTLET, NEMA CONFIGURATION AND VOLTAGE AS NOTED.	W, FVMH
USE	JUNCTION BOX, SPECIFIC USE AS NOTED.	W, FVMH
PD	FURNITURE POWER AND DATA WHIP CONNECTION IN FLOOR BOX, UNLESS NOTED OTHERWISE.	FL
TV	POWER/DATA BOX FOR USE WITH TV.	W, +60AFF

TELECOMMUNICATION DEVICES		MOUNTING (UON)
#	DATA OUTLET (SINGLE DATA OUTLET UNLESS OTHERWISE NOTED ON DRAWINGS.) DATA OUTLET BACK BOX	W
	TELEPHONE OUTLET	W
WAP	WIRELESS ACCESS POINT (WAP)	C
SECURITY DEVICES		
CR	CARD READER, BACK BOX FOR ROUGH IN.	W
CCTV	SECURITY CAMERA, BACK BOX FOR ROUGH IN.	C
CCTV	SECURITY CAMERA, BACK BOX FOR ROUGH IN.	W
LIGHTING (REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS)		MOUNTING (UON)
(L#)	LIGHTING FIXTURE TAG, INDICATING FIXTURE ID.	
EM	HALF SHADING AND/OR 'EM' TAG INDICATES FIXTURE W/ 90 MIN. EMEGENCY BACKUP.	W
	RECESSED VOLUMETRIC TROFFER, 1'X4', 2'X2', 2'X4'	C
	TROFFER, 2'X4'	C
	STRIP LIGHT FIXTURE.	C
	LINEAR LIGHTING FIXTURE.	C, W, FL
	RECESSED SQUARE DOWNLIGHT FIXTURE.	C
	RECESSED AND/OR SEMI-RECESSED ROUND DOWNLIGHT FIXTURE.	C
	TRACK AND TRACK LIGHT FIXTURE.	C, W
WALL	VANITY FIXTURE.	W
	EXIT SIGN, SINGLE FACE. ARROWS INDICATE PATH OF EGRESS. REFER TO PLANS FOR MOUNTING. ON UNSWITCHED LEG ON CIRCUIT.	FVM
	EXIT SIGN, DOUBLE FACE. ARROWS INDICATE PATH OF EGRESS. REFER TO PLANS FOR MOUNTING. ON UNSWITCHED LEG ON CIRCUIT.	FVM

ELECTRICAL SYMBOLS

LIGHTING CONTROLS		MOUNTING (UON)
$	LOW VOLTAGE LIGHT SWITCH, SINGLE POLE, +48" AFF.	W, +48" AFF
$3	THREE-WAY SWITCH, +48" AFF.	W, +48" AFF
$4	FOUR-WAY SWITCH, +48" AFF.	W, +48" AFF
$K	KEYED SWITCH, +48" AFF.	W, +48" AFF
$L	LIGHT SWITCH, SINGLE POLE, LIGHTED HANDLE, +48" AFF.	W, +48" AFF
$O	MOMENTARY OVERRIDE SWITCH, +48" AFF.	W, +48" AFF
$T	DIGITAL TIME SWITCH, +48" AFF.	W, +48" AFF
$O	MOMENTARY CONTACT SWITCH, +48" AFF.	W, +48" AFF
OS	OCCUPANCY SENSOR, DUAL TECHNOLOGY.	C
PC	PHOTOELECTRIC SENSOR.	C
H#	CONTROL ETHERNET GATEWAY HUB. REFER TO LIGHTING CONTROLS RISER DIAGRAM.	FVM
PP	CONTROL POWER PACK. REFER TO LIGHTING CONTROLS RISER DIAGRAM.	FVM
S#	CONTROL DEVICE. REFER TO LIGHTING CONTROLS RISER DIAGRAM.	W, +48" AFF
ONELINE		
M	UTILITY CT METER	
CT	CUSTOMER CT METER	
PQM	DIGITAL POWER QUALITY METER	
SPD	SURGE PROTECTIVE DEVICE	
	BREAKER.	
LSI	BREAKER WITH GFI PROTECTION, "LSI" INDICATES TRIP SETTINGS LONG, SHORT, & INSTANTANEOUS.	
	GROUND.	
GND	GROUND BUSBAR.	
NEUT	NEUTRAL BUSBAR.	
	TRANSFORMER PAD MOUNTED.	
ATS	ATS.	
	PANELBOARD.	
EQUIPMENT		MOUNTING (UON)
$M	MOTOR RATED SWITCH.	FVM
	MOTOR RATED HAND-OFF-AUTO SWITCH.	FVM
	EMERGENCY POWER OFF SWITCH, MUSHROOM TYPE.	W, FVMH
	DISCONNECT, HEAVY DUTY, NON-FUSIBLE.	W
	DISCONNECT, HEAVY DUTY, FUSIBLE.	W, FVMH
	MAGNETIC MOTOR STARTER.	W
	COMBINATION MOTOR STARTER & DISCONNECT.	W, FVMH
	VARIABLE FREQUENCY DRIVE.	W
WALL	ELECTRICAL PANEL, SURFACE MOUNTED.	W
WALL	ELECTRICAL PANEL, FLUSH MOUNTED.	W
	TRANSFORMER.	FL
	DISTRIBUTION PANELBOARD.	W, FVMH
WALL	INVERTER.	W, FVMH
WH-1 AC1 AC 1	EQUIPMENT CALLOUT.	
WALL	AUXILIARY SYSTEM CABINET.	W, FVMH

ELECTRICAL ABBREVIATIONS

1P	ONE POLE
1PH	SINGLE PHASE
2/C	TWO-CONDUCTOR
2P	TWO POLE
3/C	THREE-CONDUCTOR
3P	THREE POLE
3PH	THREE PHASE
3W	THREE WIRE
4PDT	FOUR POLE DOUBLE THROW
4PST	FOUR POLE SINGLE THROW
4W	FOUR WIRE
A/C	AIR CONDITIONIG
AC	ALTERNATING CURRENT
ACS	ACCESS CONTROL SYSTEM
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT
AFC	AVAILABLE FAULT CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ALCP	AREA LIGHT CONTACTOR PANEL
ALT	ALTERNATE
AMP	AMPERE
APPROX.	APPROXIMATE / APPROXIMATELY
AR	AS REQUIRED
ARCH	ARCHITECTURAL / ARCHITECT
ARMS	ARC REDUCTION MAINTENANCE SWITCH
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BB	BUCK BOOST
BFB	BACK FEED BREAKER
BLDG	BUILDING
BRKR	BREAKER
BTU	BRITISH THERMAL UNIT
C	CEILING
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CFBA	CUSTOM COLOR / FINISH SELECTED BY ARCHITECT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CKT	CIRCUIT
CL	CENTERLINE
CLG	CEILING
CO	CONVENIENCE OUTLET, RECEPTACLE
CU	COPPER
DA	DAMPER ACTUATOR
dB	DECIBLE, UNIT OF SOUND LEVEL
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DPDT	DOUBLE POLE DOUBLE THROW
DWG	DRAWINGS
E	EAST
EA	EACH
EC	EMPTY CONDUIT WITH PULL WIRE
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EMB	EXTERNAL MAINTENANCE BYPASS
EMT	ELECTRICAL METALLIC CONDUIT
ENT	ELECTRICAL NONMETALLIC CONDUIT
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
EX	EXISTING
F	FUTURE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUCIATOR
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FPEN	FUSE PER EQUIPMENT NAMEPLATE
FSD	FIRE SMOKE DAMPER
FVM	FIELD VERIFY MOUNTING
FVMH	FIELD VERIFY MOUNTING HEIGHT
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
G	GROUND
GALV	GALVANIZED
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION

ELECTRICAL ABBREVIATIONS

GND	GROUND
HD	HEAVY DUTY
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH-PRESSURE SODIUM
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATION & AIR CONDITIONING
Hz	HERTZ, UNIT OF FREQUENCY
I/O	INPUT / OUTPUT
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IN/IS	INSULATED / ISOLATED
IR	INFRARED
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LPS	LOW-PRESSURE SODIUM
LRA	LOCKED ROTOR AMPERES
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MBJ	MAIN BONDING JUMPER
MC	METAL CLAD
MCA	MINIMUM CIRCUIT AMPERES
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MAN HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER-CURRENT PROTECTION
MON	MONITOR
N	NORTH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
OAE	OR APPROVED EQUAL
OC	ON CENTER
OCP	OVER-CURRENT PROTECTION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED

ELECTRICAL ABBREVIATIONS

OFOI	OWNER FURNISHED OWNER INSTALLED
OHD	OVERHEAD DOOR
OL	OVERLOAD
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PROJ	PROJECTOR
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
R	RELOCATED DEVICE / EQUIPMENT
RAU	REMOTE ANNUNCIATOR UNIT
RCP	REFLECTED CEILING PLAN
REF	REFRIGERATOR
REV	REVISIONS / REVISED
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
RPM	REVOLUTIONS PER MINUTE
RR	REMOVE & RELOCATE
S	SOUTH
S/N	SWITCH NEUTRAL
S/S	START / STOP
SCA	SHORT CIRCUIT AMPERES
SF	SQUARE FOOT / FEET
SFBA	STANDARD FINISH / COLOR BY ARCHITECT
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPEC	SPECIFICATION
SPST	SINGLE POLE SINGLE THROW
SQ	SQUARE
ST	SINGLE THROW
STRUCT	STRUCTURAL
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TEMP	TEMPORARY
TL	TWISTLOCK
TP	TWISTED PAIR
TSP	TWISTED SHIELDED PAIR
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION (CABLE)
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UF	UNDERFLOOR / UNDERSLAB
UGND	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UNSW	UNSWITCHED
UPS	UNINTERRUPTIBLE POWER SOURCE
V	VOLTS / VOLTAGE
VA	VOLT AMPERE
VFD	VARIABLE FREQUENCY DRIVE
W	WEST
W/	WITH
W/O	WITHOUT
WH	WATER HEATER
WL	WET LISTED
WP	WEATHER PROOF W/ IN-USE COVER
X	REMOVE / DEMOLISH
XF	TRANSFORMER
XP	EXPLOSION PROOF
Y	WYE

ELECTRICAL DRAWING SCHEDULE

SHEET NUMBER	SHEET NAME
E-001	ELECTRICAL SYMBOL LEGEND & ABBREVIATIONS
E-101	SITE ELECTRICAL PLAN
E-102	ELECTRICAL PLAN - OVERALL FIRST FLOOR
E-103	ELECTRICAL PLAN - OVERALL SECOND FLOOR
E-104	ELECTRICAL PLAN - OVERALL THIRD FLOOR
E-105	ELECTRICAL PLAN - OVERALL ROOF
E-106	EV SPECIFICATION PLAN - OVERALL FIRST FLOOR PLAN
E-107	SITE ELECTRICAL PHOTOMETRICS PLAN
E-111	ENLARGED POWER PLAN - FIRST FLOOR, AREA 1
E-112	ENLARGED POWER PLAN - FIRST FLOOR, AREA 2
E-113	ENLARGED POWER PLAN - FIRST FLOOR, AREA 3
E-114	ENLARGED POWER PLAN - FIRST FLOOR, AREA 4
E-122	ENLARGED POWER PLAN - SECOND FLOOR, AREA 2
E-124	ENLARGED POWER PLAN - SECOND FLOOR, AREA 4
E-131	ENLARGED POWER PLAN - THIRD FLOOR, AREA 1
E-132	ENLARGED POWER PLAN - THIRD FLOOR, AREA 2
E-133	ENLARGED POWER PLAN - THIRD FLOOR, AREA 3
E-134	ENLARGED POWER PLAN - THIRD FLOOR, AREA 4
E-211	ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 1
E-212	ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 2
E-213	ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 3
E-214	ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 4
E-222	ENLARGED LIGHTING PLAN - SECOND FLOOR, AREA 2
E-224	ENLARGED LIGHTING PLAN - SECOND FLOOR, AREA 4
E-231	ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 1
E-232	ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 2
E-233	ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 3
E-234	ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 4
E-601	SINGLE LINE DIAGRAM
E-602	SINGLE LINE DIAGRAM
E-611	ELECTRICAL DETAILS
E-612	ELECTRICAL DETAILS
E-621	PANEL SCHEDULES
E-622	PANEL SCHEDULES
E-623	PANEL SCHEDULES
E-624	PANEL SCHEDULES
E-625	PANEL SCHEDULES
E-626	PANEL SCHEDULES
E-627	PANEL SCHEDULES
E-628	RESIDENTIAL LOAD CALCULATIONS
E-631	ELECTRICAL SCHEDULES
E-632	ELECTRICAL SCHEDULES
E-633	ELECTRICAL SCHEDULES
E-634	VOLTAGE DROP AND FAULT CALCULATIONS

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024	CONSULTANTS PROJECT #	SOLICITATION NO.:	CONTRACT NO.:
FILE NUMBER:			
DESIGN BY: FV/ZWD	D2C PROJECT NUMBER 202102	CKD BY: PMS	
DRAWN BY: FV/ZWD	SBMT BY: PMS	PLOT DATE: 11/6/2024 2:31:04 PM	
PLOT SCALE: 1" = 1'-0"	SIZE: 22" x 34"	FILE NAME:	

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

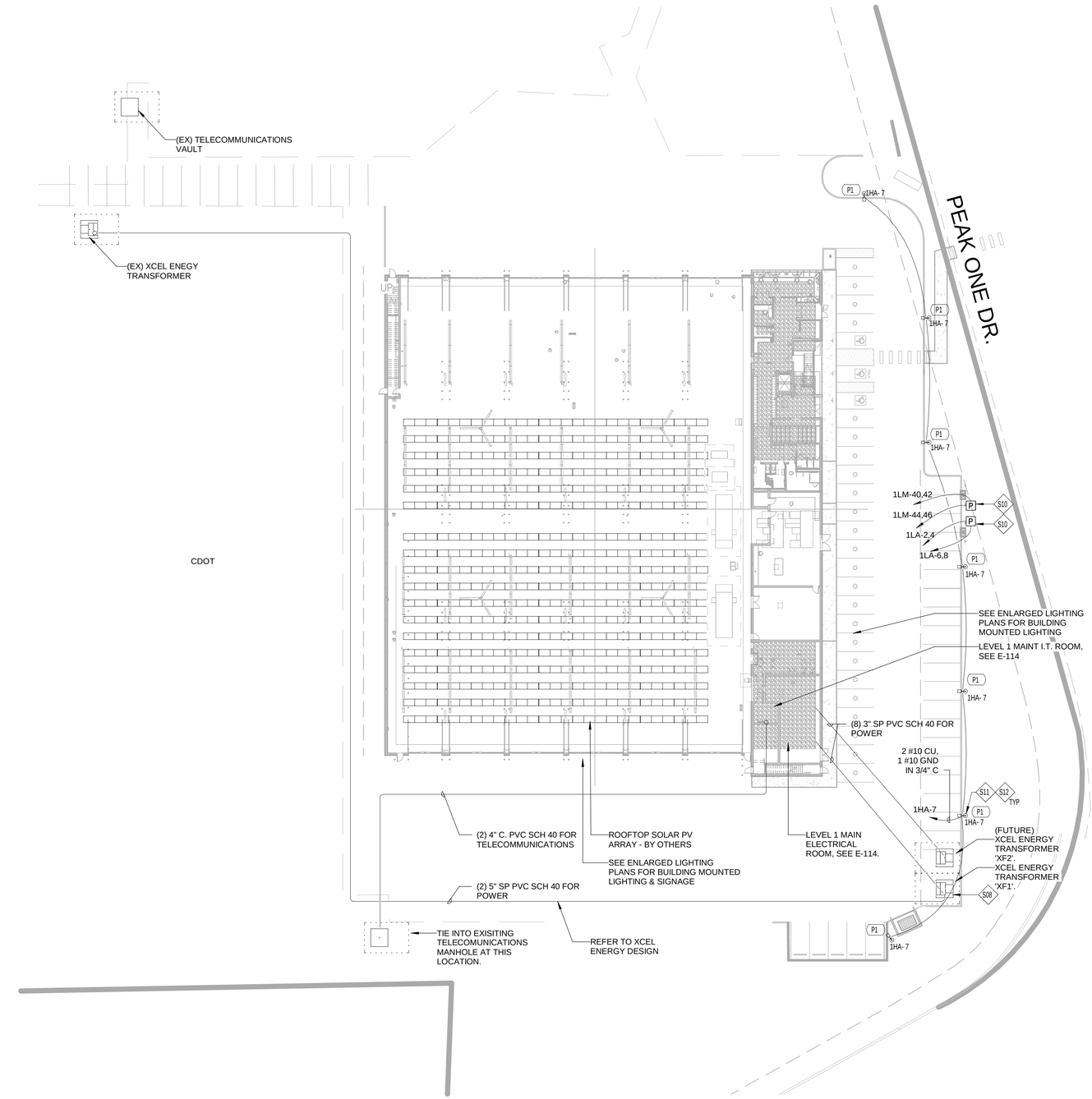
TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

ELECTRICAL SYMBOL LEGEND & ABBREVIATIONS

SHEET IDENTIFICATION

E-001



1 SITE ELECTRICAL PLAN

1" = 30'-0"

SHEET KEYNOTES

S08 NEW XCEL ENERGY TRANSFORMER SHALL BE INSTALLED ON NEW CONCRETE PAD. COORDINATE WITH UTILITY COMPANY SPECIFICATIONS FOR EXACT MEASUREMENTS AND REQUIREMENTS.

S10 APPROXIMATE LOCATION FOR DUAL HEAD, LEVEL 2, EV CHARGER WITH INTEGRAL DISCONNECT. CONTRACTOR SHALL ROUTE 2#4CU, 1#8 GND, IN 1-1/2"C. TO SPECIFIED BRANCH PANEL. ROUTE 1-1/2" EMPTY CONDUIT BACK TO IT ROOM FOR COMMUNICATION WIRING. REFER TO DETAIL #1 ON SHEET E-612 FOR ACTUAL DIMENSIONS.

S11 CIRCUIT EXTERIOR LIGHTING THROUGH LIGHTING CONTROL PANEL 'LCP-1' LOCATED IN ELECTRICAL ROOM 1303. REFER TO LIGHTING CONTROL PANEL SCHEDULE ON SHEET E-627 AND DETAIL #3 ON SHEET E-612 FOR CIRCUITING & WIRING INFORMATION.

S12 APPROXIMATE LOCATION OF POLE MOUNTED SITE LUMINAIRE. REFER TO DETAIL #6 ON SHEET E-611 FOR POLE FOUNDATION MOUNTING DETAIL

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

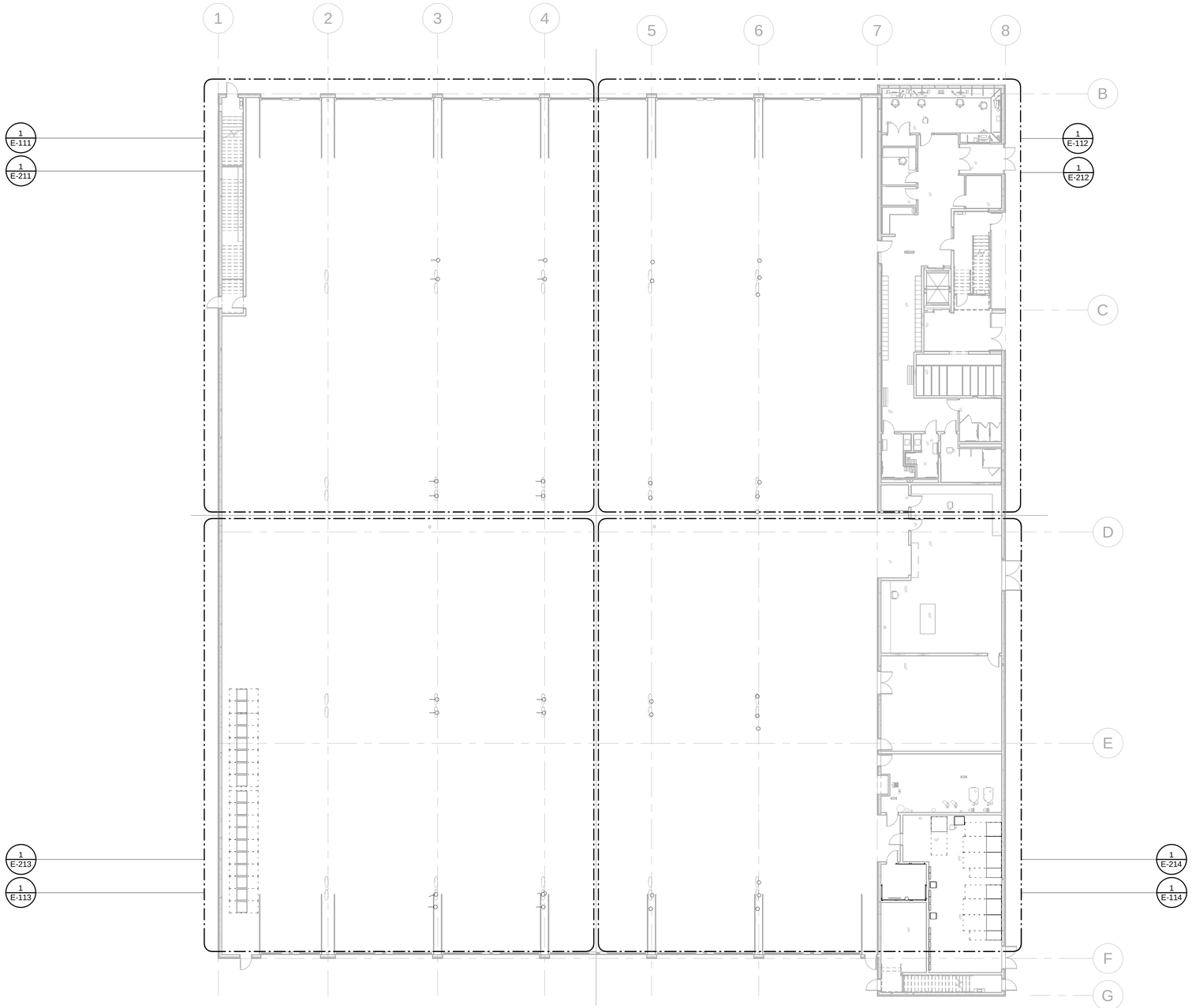
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SBMT BY: PMS
ISSUE DATE: NOVEMBER 7, 2024
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SOLICITATION NO.:
CONTRACT NO.:
CKD BY: PMS
PLOT DATE: 11/6/2024 11:19:31 AM
PLOT SCALE: 1" = 30'-0"
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NOT FOR CONSTRUCTION

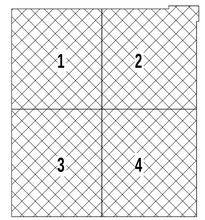
SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
SITE ELECTRICAL PLAN

SHEET IDENTIFICATION
E-101



1 ELECTRICAL PLAN - OVERALL FIRST FLOOR

1/16" = 1'-0"



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
CKD BY: PMS
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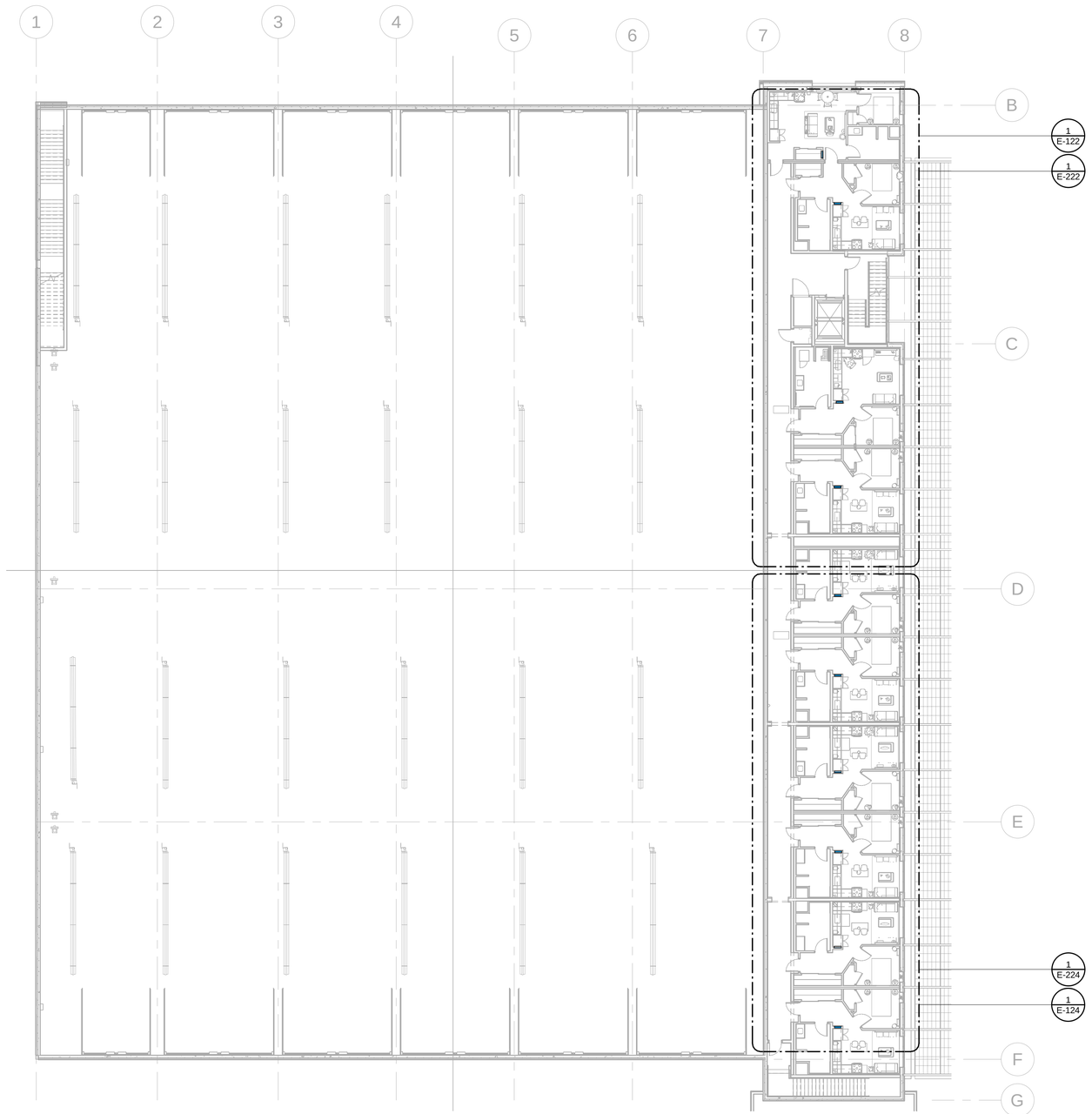
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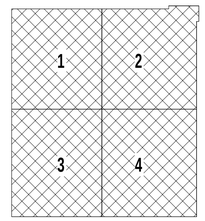
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SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ELECTRICAL PLAN - OVERALL FIRST FLOOR

SHEET IDENTIFICATION
E-102





N

KEY PLAN
NOT TO SCALE

1 ELECTRICAL PLAN - OVERALL SECOND FLOOR

1/16" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
DRAWN BY: FV/ZWD
SBMT BY: PMS
D2C PROJECT NUMBER 202102
CKD BY: PMS
PLOT DATE: 11/6/2024 11:28:00 AM
PLOT SCALE: 1/16" = 1'-0"
SIZE: 22" x 34"
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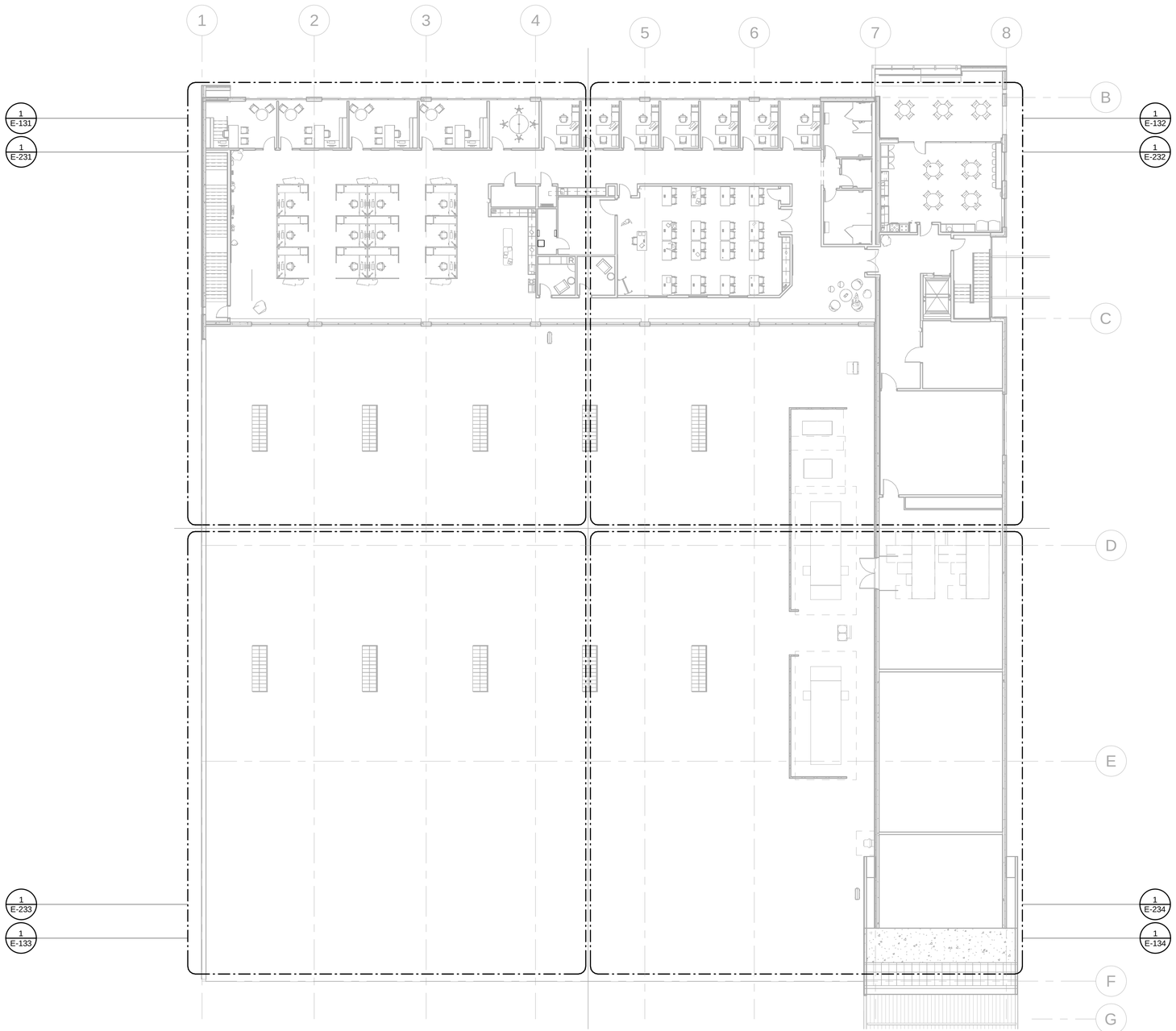
NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ELECTRICAL PLAN - OVERALL SECOND FLOOR

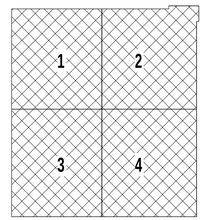
SHEET IDENTIFICATION
E-103

E-103-



1 ELECTRICAL PLAN - OVERALL THIRD FLOOR

1/16" = 1'-0"



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
SBMT BY: PMS
SIZE 22" x 34"
ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
CKD BY: PMS
PLOT DATE: 11/6/2024 11:20:49 AM
PLOT SCALE: 1 = 1'-0"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

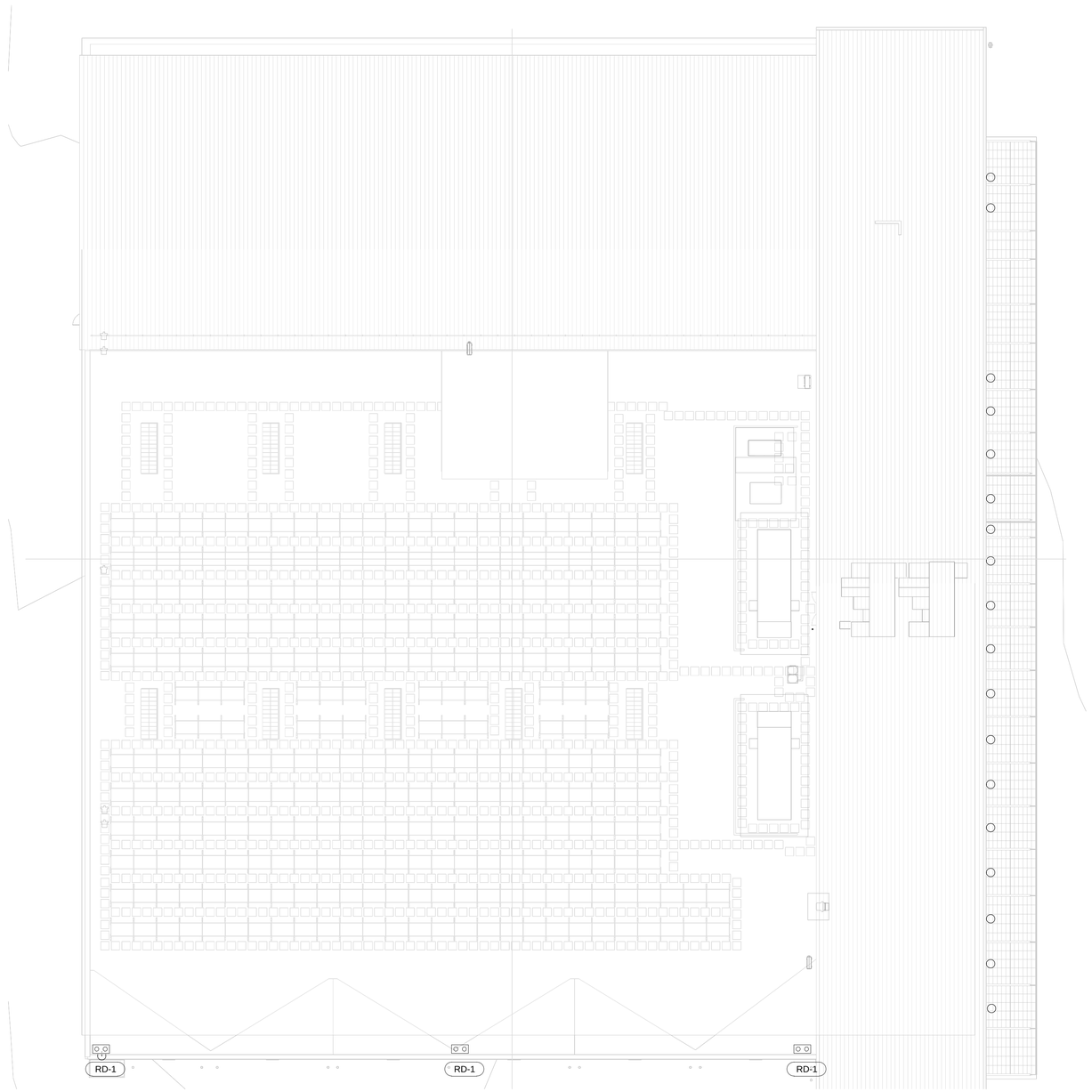
NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ELECTRICAL PLAN - OVERALL THIRD FLOOR

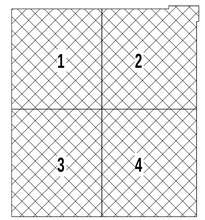
SHEET IDENTIFICATION
E-104

E-104-



1 ROOF POWER PLAN

1/16" = 1'-0"



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FV/ZWD		ISSUE DATE: NOVEMBER 7, 2024	CONSULTANTS PROJECT #
D2C PROJECT NUMBER 202102		SOLICITATION NO.:	
DRAWN BY: FV/ZWD	CKD BY: PMS	CONTRACT NO.:	
SBMT BY: PMS	PLOT DATE: 11/6/2024 11:21:29 AM	FILE NUMBER:	
PLOT SCALE: 1 1/16" = 1'-0"			
SIZE: 22" x 34"	FILE NAME:		

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

TRANSIT HEADQUARTERS

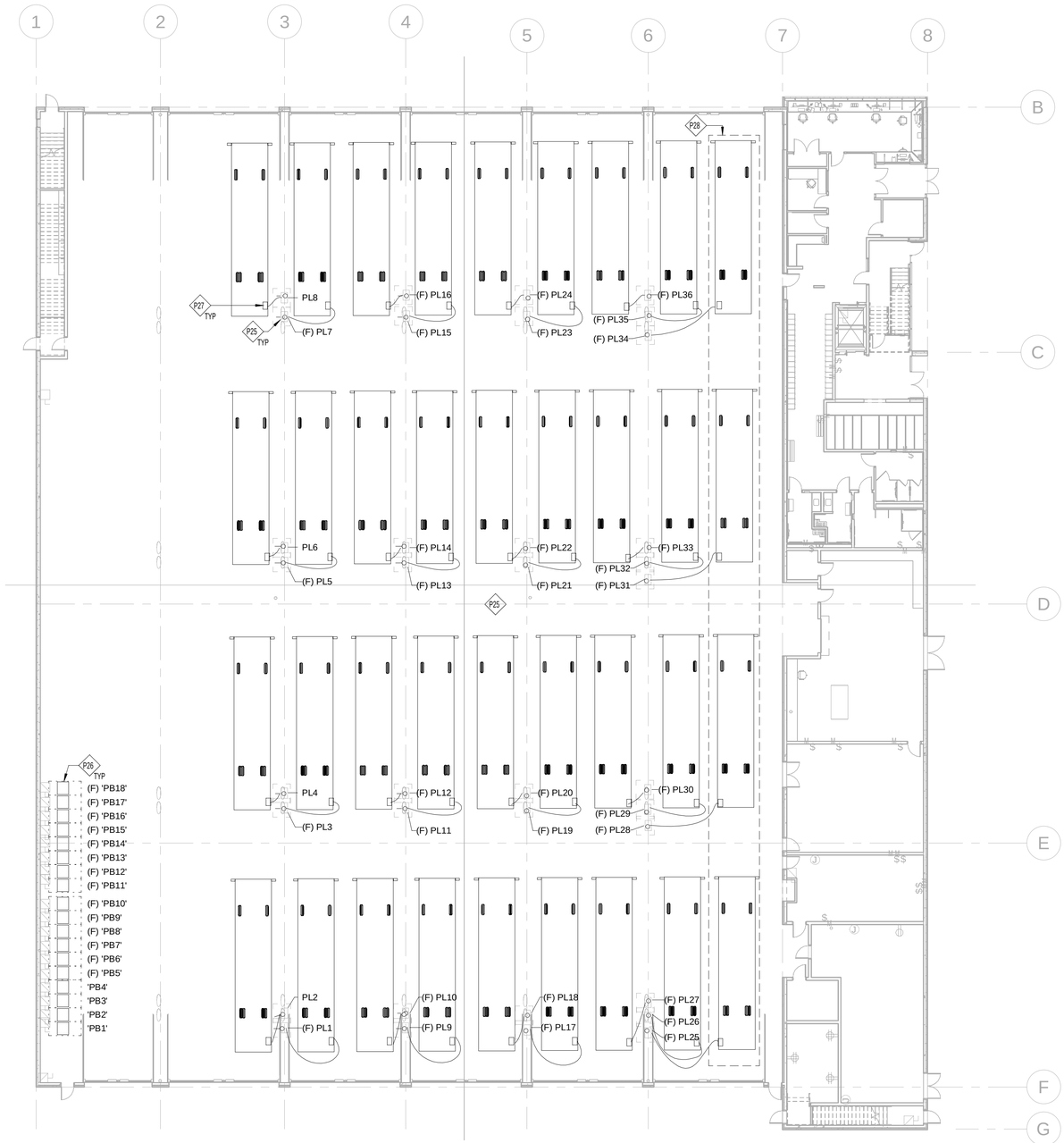
FRISCO, COLORADO 80424

ELECTRICAL PLAN - OVERALL ROOF

SHEET IDENTIFICATION

E-105

E-105-

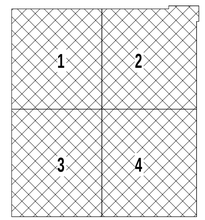


ELECTRICAL PLAN - OVERALL FIRST FLOOR EV CHARGERS LAYOUT

1 — 1/16" = 1'-0"

SHEET KEYNOTES

- P25 CHARGEPOINT EXPRESS PLUG POWER LINK WITH SINGLE WAND AND OPTIONAL 7.6M (25FT) LENGTH, MEGAWATT CHARGING SYSTEM.
- P26 CHARGEPOINT EXPRESS PLUS POWER BLOCK FOR UP TO 2000KW OUTPUT.
- P27 LOCATION OF ELECTRIC BUS'S CHARGEPORT.
- P28 THIS BAY SHALL BE RESTRICTED FOR USE WITH BUSSES THAT CONTAIN A CHARGEPORT ON THE REAR, STREET SIDE OF THE BUS TO ALLOW FOR CONNECTION OF 25FT CHARGING CABLE



N

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FILE NAME:
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PLOT DATE: 11/6/2024 11:21:44 AM
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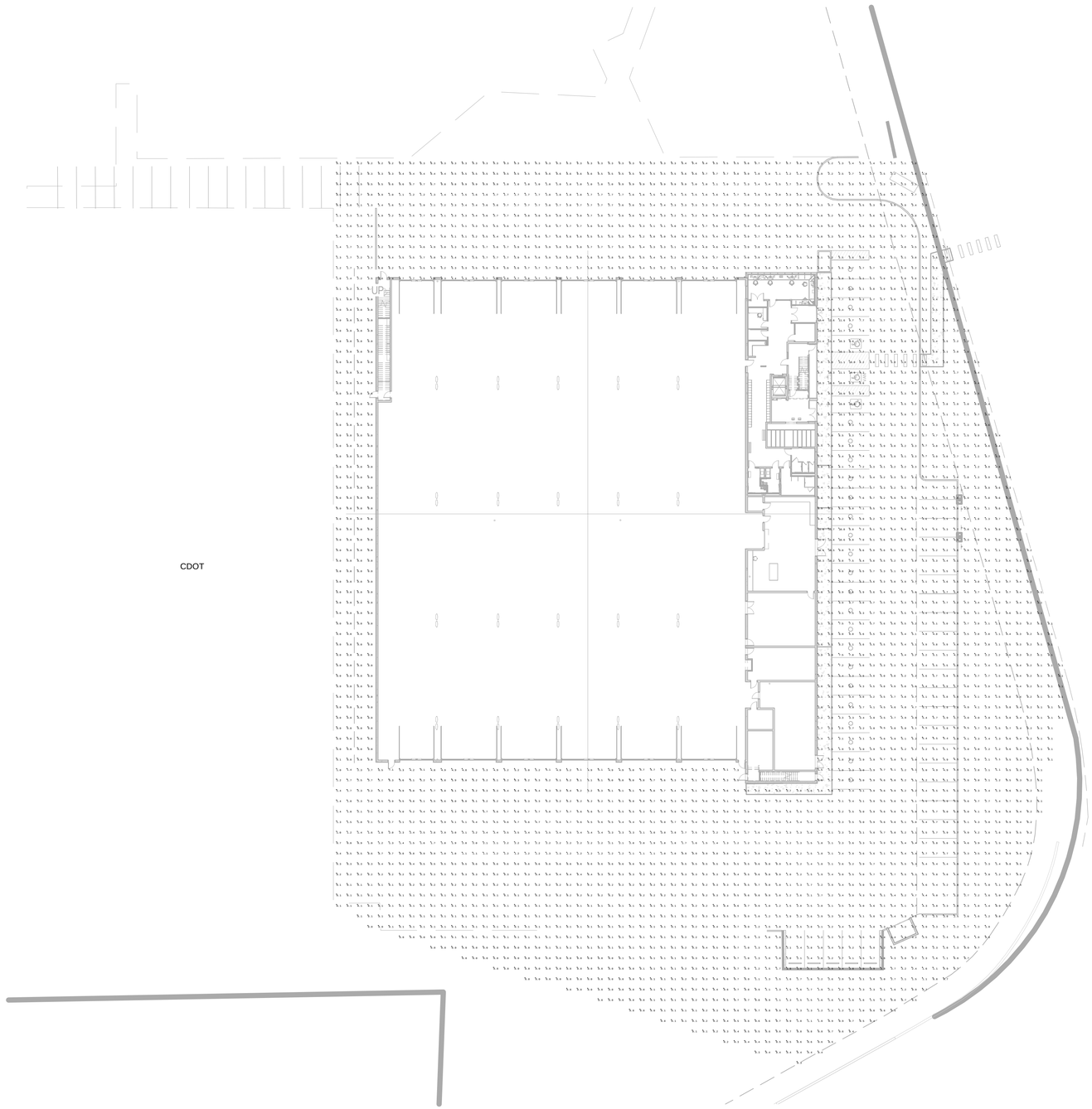
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SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

EV SPECIFICATION PLAN - OVERALL FIRST FLOOR PLAN

SHEET IDENTIFICATION
E-106



PHOTOMETRIC CALCULATIONS		
AREA	AVG. ILLUMINANCE (FC)	AVG/MIN RATIO (FC)
PARKING DRIVE AISLE	4.41	4.51
SIDEWALK	6.66	5.55
PARKING EAST	5.04	1.87
BUS ENTRY	4.53	3.48
BUS EXIT	4.34	3.10

1 SITE ELECTRICAL PHOTOMETRICS PLAN

1" = 30'-0"

D2C ARCHITECTS

Kimley»Horn

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DESIGN BY: FVZEWD
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SBMT BY: PMS
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SIZE: 22" x 34"
ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
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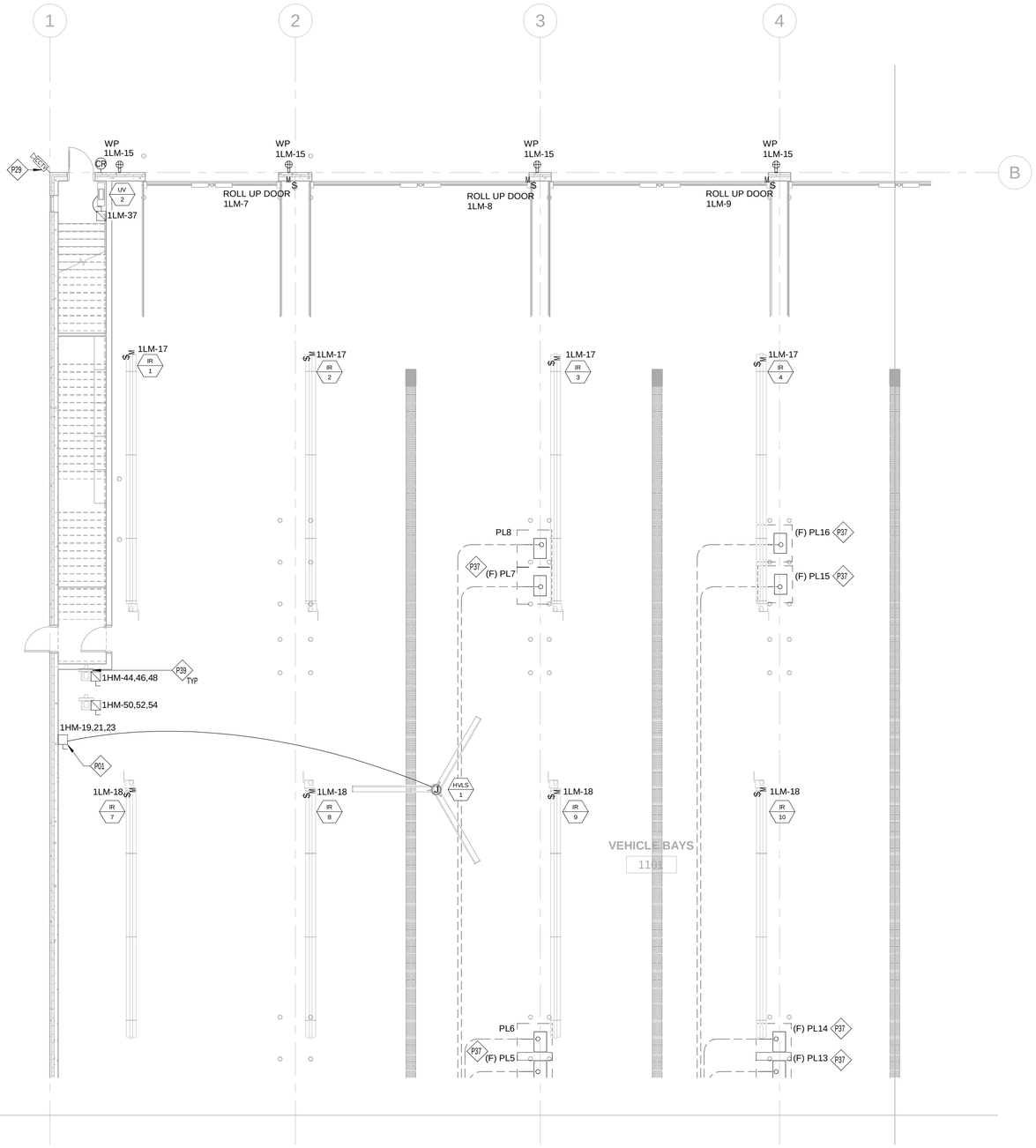
NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

SITE ELECTRICAL PHOTOMETRICS PLAN

SHEET IDENTIFICATION
E-107

E-107-



1 ENLARGED POWER PLAN - FIRST FLOOR, AREA 1

1/8" = 1'-0"

GENERAL NOTES:

1. ALL EQUIPMENT, MATERIALS, AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
2. VERIFY EXACT LOCATION OF ALL RECEPTACLES ABOVE OR ADJACENT TO COUNTERS, FIXTURES, MIRRORS OUTDOOR FIXTURES AND MOUNTING HEIGHTS AND LOCATIONS OF ALL FIXTURES AND BOXES PRIOR TO ROUGH-IN. NO EXTRA COSTS WILL BE ALLOWED FOR FALURE TO COMPLY
3. ALL RECEPTACLES SHALL MATCH THE MALE PLUG CONNECTOR OF ALL EQUIPMENT PROVIDED, VERIFY PRIOR TO PURCHASE.
4. COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN DUCT WORK, SUPPLY & EXHAUST DIFFUSERS, LIGHTING, SOUND SYSTEMS, AND FIRE ALARM SYSTEM FIXTURES.
5. VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
   NOTE: COORDINATE LUMINAIRE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
6. TYPE MC OR TYPE AC CABLE SHALL ONLY BE USED WITH THE SPECIFIC WRITTEN PERMISSION OF THE PROGRAM/PROJECT MANAGER. ENT TYPE CONDUIT IS NOT ALLOWED.
7. CONDUIT/CONDUCTOR RUNS SHOWN ARE DIAGRAMMATICAL ONLY. THE BEST FINAL CONDUIT ROUTING SHALL BE AS DETERMINED BY THE ELECTRICAL CONTRACTOR AT THE TIME OF CONSTRUCTION.
8. ALL WIRE SHALL BE COPPER. MINIMUM SIZE FOR POWER WIRING SHALL BE #12 AWG. STRANDED UNLESS OTHERWISE NOTED. MINIMUM SIZE FOR CONTROL WIRING SHALL BE #14 AWG.
9. ALL 15A AND 20A, 120 VOLT AND 240 VOLT RECEPTACLES IN DWELLING UNITS SHALL BE LISTED AS TAMPER-RESISTANT RECEPTACLES.
10. PROVIDE AFCI CIRCUIT BREAKERS FOR BRANCH CIRCUITS SERVING KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS , OR SIMILAR ROOMS PER N.E.C. 210.12.
11. PROVIDE GFCI PROTECTION FOR ALL RECEPTACLES IN THE KITCHEN, COUNTERTOPS, BATHROOMS, LAUNDRY AREA, AND WITHIN 6' OF THE OUTSIDE EDGE OF A SINK PER NEC 210.8. FEED-THRU GFCI RECEPTACLES ARE PERMITTED. LABEL ALL DOWNSTREAM RECEPTACLES AS "GFCI PROTECTED".
12. GFCI PROTECTED RECEPTACLES AT RESTROOM SINKS SHALL NOT BE LOCATED LESS THAN 12" BELOW THE TOP OF THE BASIN OR BASIN COUNTERTOP AND MUST BE WITHIN 3' OF EACH BASIN PER NEC 210.52(D).
13. CONTRACTOR WILL MAINTAIN CLEARANCES ABOUT ELECTRICAL EQUIPMENT PER 2017 N.E.C. 110.26.
13. REFER TO SHEET E-602 FOR FEEDER SCHEDULE.
14. CONTRACTOR SHALL UTILIZE NM CABLE WHERE PERMITTED BY NEC FOR BRANCH CIRCUITS WITHIN DWELLING UNITS.
15. ALL WORK IS TO BE PERFORMED BY QUALIFIED TRADESMEN WITH EXPERIENCE IN THE TYPE OF WORK TO BE PERFORMED. ALL WORK WILL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.

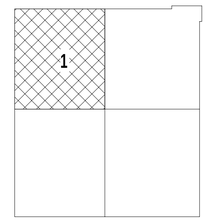
SHEET KEYNOTES

P01 ROUTE POWER CONDUCTORS TO HVLS UNIT THROUGH MULTI-SPEED CONTROLLER. COORDINATE FINAL LOCATION OF DISCONNECT AND SPEED CONTROLLER WITH MECHANICAL CONTRACTOR.

P29 PROVIDE AND INSTALL RECESSED BACKBOX, +12" AFG FOR 360 DEGREE CAMERA. COORDINATE WITH LOW VOLTAGE PLANS FOR ADDITIONAL INFORMATION.

P37 CONTRACTOR SHALL STUB UP AND CAP 4" EMPTY CONDUIT, 18" AFF FOR USE WITH FUTURE BUS EV CHARGER. CONTRACTOR SHALL MARK CONDUIT ABOVE GRADE SO THAT IT IS EASILY VISIBLE TO VEHICULAR AND PEDESTRIAN TRAFFIC.

P39 APPROXIMATE LOCATION FOR VACUUM PUMP. COORDINATE WITH MECHANICAL PLANS FOR EXACT SPECIFICATIONS.



KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

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PLOT SCALE: As indicated
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FILE NAME:

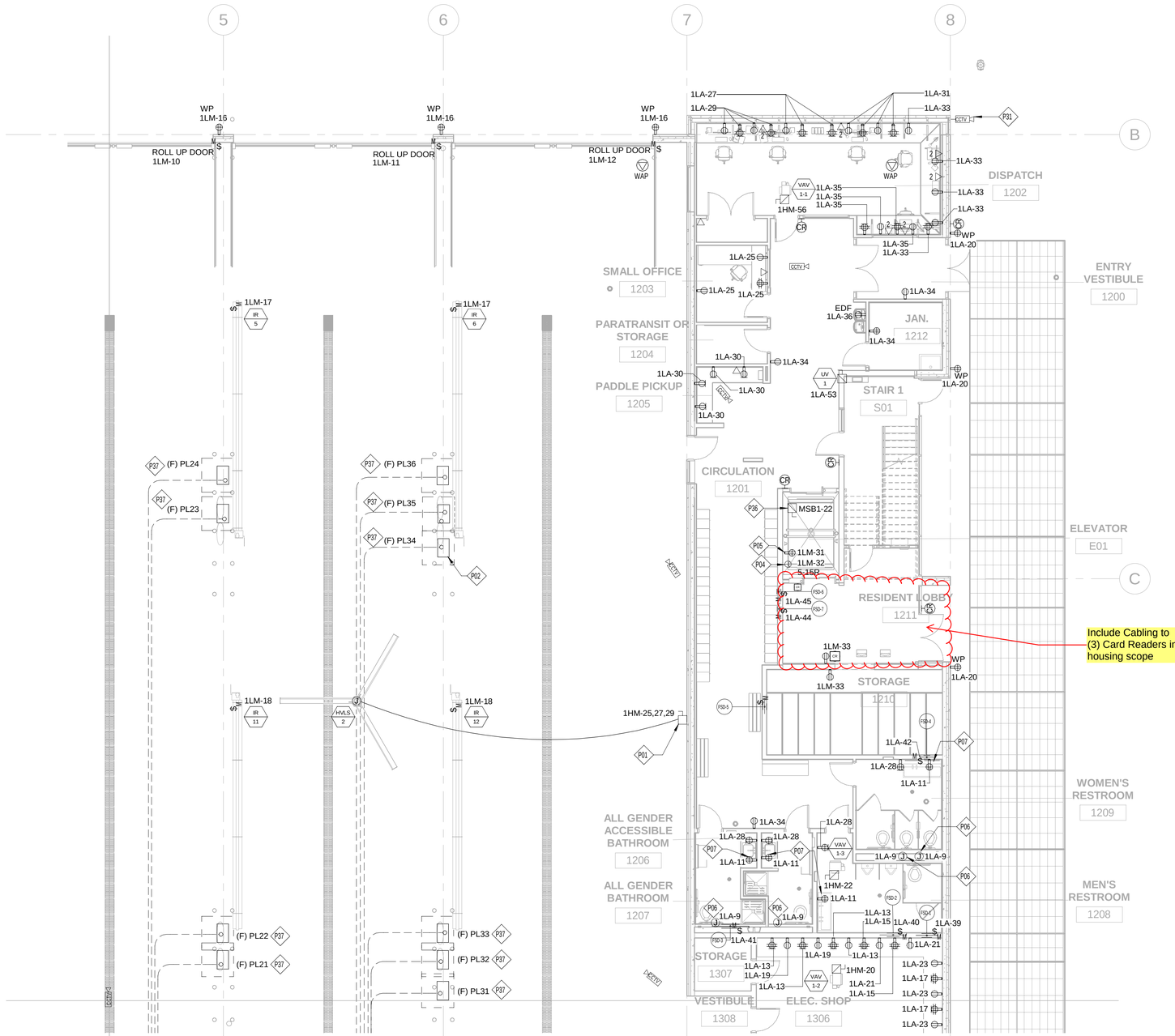
90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
ENLARGED POWER PLAN - FIRST FLOOR, AREA 1

SHEET IDENTIFICATION
E-111

E-111-



1 ENLARGED POWER PLAN - FIRST FLOOR, AREA 2

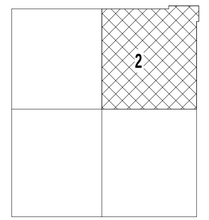
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SHEET KEYNOTES

P01 ROUTE POWER CONDUCTORS TO HVLS UNIT THROUGH MULTI-SPEED CONTROLLER. COORDINATE FINAL LOCATION OF DISCONNECT AND SPEED CONTROLLER WITH MECHANICAL CONTRACTOR.
P02 ELECTRIC VEHICLE CHARGING POWER LINK (PL) UNIT (TYPICAL OF 36).
P04 DEDICATED SIMPLEX RECEPTACLE FOR ELEVATOR PIT SUMP PUMP WITH IN-USE COVER. COORDINATE LOCATION OF SUMP PUMP IN THE FIELD. VERIFY PLUG TYPE PRIOR TO INSTALL.
P05 MAINTENANCE RECEPTACLE IN ELEVATOR PIT. PROVIDE WITH IN-USE COVER.
P06 POWER CONNECTION TO WATER CLOSET FIXTURE AUTO-FLUSH SENSOR. COORDINATE QUANTITY OF LOW-VOLTAGE TRANSFORMERS AND ACCESS PANELS WITH PLUMBING CONTRACTOR.
P07 POWER CONNECTION TO LAVATORY AND SOAP DISPENSER AUTOMATIC SENSOR. COORDINATE QUANTITY OF LOW-VOLTAGE TRANSFORMERS AND ACCESS PANELS WITH PLUMBING CONTRACTOR.
P31 PROVIDE AND INSTALL RECESSED BACKBOX, FOR SINGLE LENS CAMERA +12" AFG FOR ENTRY LOBBY. COORDINATE WITH LOW VOLTAGE PLANS FOR ADDITIONAL INFORMATION
P36 PROVIDE AND INSTALL 200AS/150AF/3P DISCONNECT FOR ELEVATOR MOTOR. LOCATED IN ELEVATOR PIT. COORDINATE WITH ELEVATOR MANUFACTURER FOR EXACT LOCATION. REFER TO SINGLE LINE DIAGRAM ON SHEET E602 FOR WIRING INFORMATION.
P37 CONTRACTOR SHALL STUB UP AND CAP 4" EMPTY CONDUIT, 18" AFF FOR USE WITH FUTURE BUS EV CHARGER. CONTRACTOR SHALL MARK CONDUIT ABOVE GRADE SO THAT IT IS EASILY VISIBLE TO VEHICULAR AND PEDESTRIAN TRAFFIC.



N
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NOT TO SCALE

D2C ARCHITECTS
Kimley»Horn

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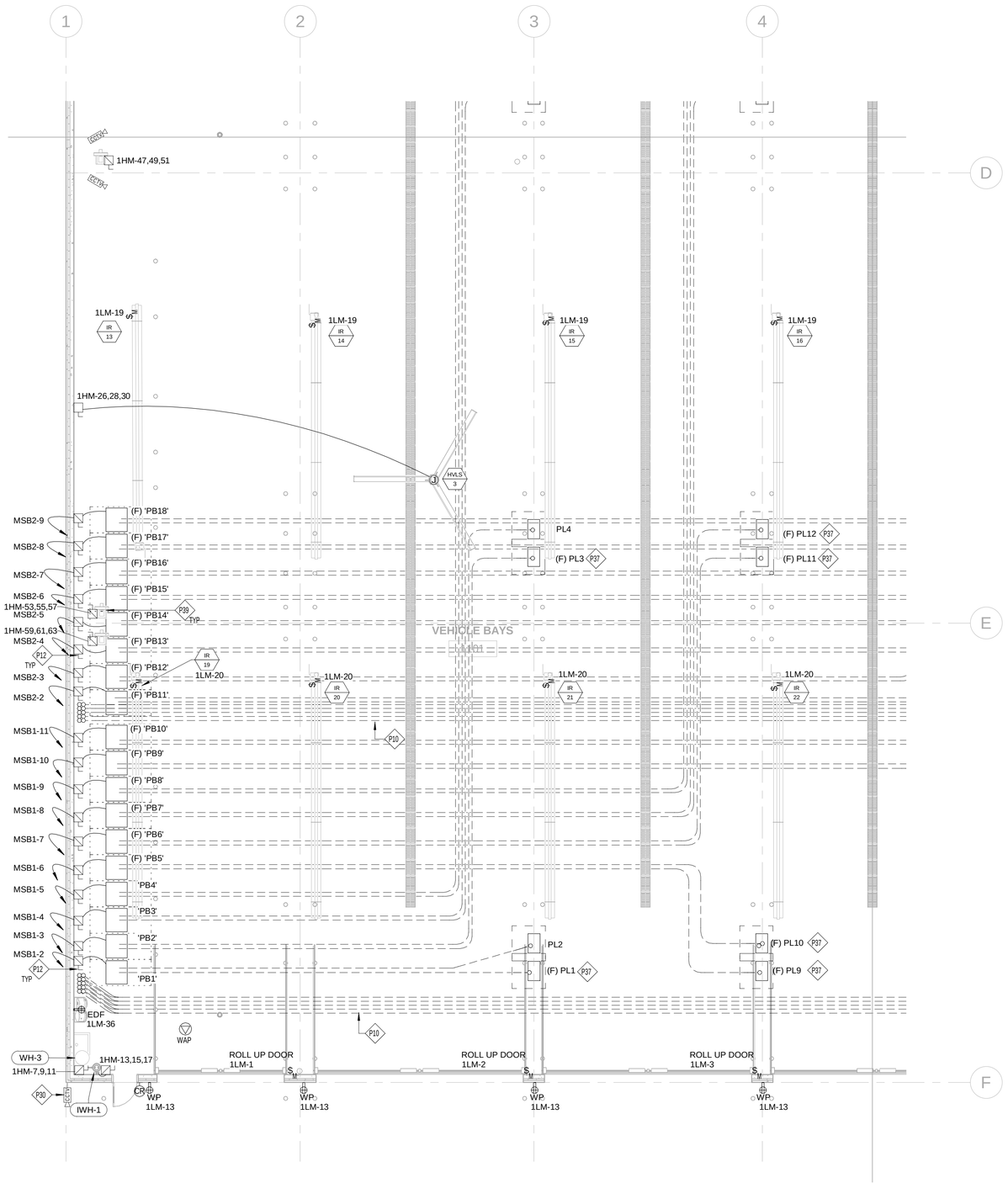
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NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
ENLARGED POWER PLAN - FIRST FLOOR, AREA 2

SHEET IDENTIFICATION
E-112



1 ENLARGED POWER PLAN - FIRST FLOOR, AREA 3

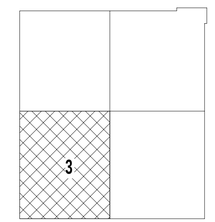
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SHEET KEYNOTES

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P10	PROVIDE (1) 4"C TO EACH EV CHARGING POWER BLOCK DISCONNECT SWITCH. TYPICAL OF 20 POWER BLOCK UNITS (20-4"C IN TOTAL).
P12	DISCONNECT SWITCH FOR EV CHARGING POWER BLOCK UNIT. COORDINATE LOCATION WITH INCOMING UNDERGROUND CONDUIT. TYPICAL OF 20.
P30	PROVIDE AND INSTALL BACKBOX, +12" FEET FOR SINGLE LENS CAMERA COORDINATE WITH LOW VOLTAGE PLANS FOR ADDITIONAL PLANS.
P37	CONTRACTOR SHALL STUB UP AND CAP 4" EMPTY CONDUIT, 18" AFF FOR USE WITH FUTURE BUS EV CHARGER. CONTRACTOR SHALL MARK CONDUIT ABOVE GRADE SO THAT IT IS EASILY VISIBLE TO VEHICULAR AND PEDESTRIAN TRAFFIC.
P39	APPROXIMATE LOCATION FOR VACUUM PUMP. COORDINATE WITH MECHANICAL PLANS FOR EXACT SPECIFICATIONS.



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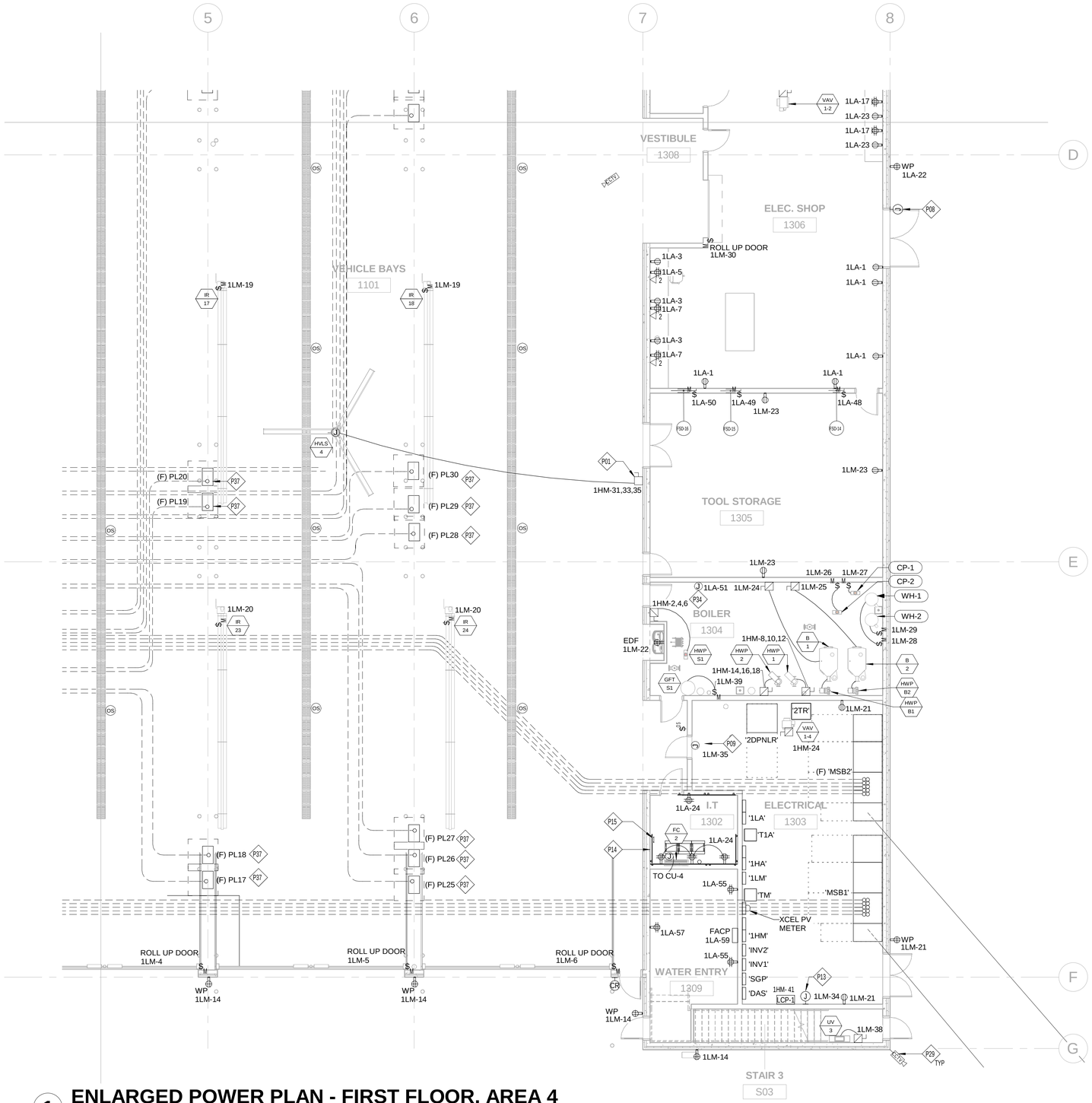
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TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
ENLARGED POWER PLAN - FIRST FLOOR, AREA 3

SHEET IDENTIFICATION
E-113



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14. CONTRACTOR SHALL UTILIZE NM CABLE WHERE PERMITTED BY NEC FOR BRANCH CIRCUITS WITHIN DWELLING UNITS.
15. ALL WORK IS TO BE PERFORMED BY QUALIFIED TRADESMEN WITH EXPERIENCE IN THE TYPE OF WORK TO BE PERFORMED. ALL WORK WILL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.

(#) SHEET KEYNOTES

P01 ROUTE POWER CONDUCTORS TO HVLS UNIT THROUGH MULTI-SPEED CONTROLLER. COORDINATE FINAL LOCATION OF DISCONNECT AND SPEED CONTROLLER WITH MECHANICAL CONTRACTOR.

P08 POWER CONNECTION TO BUILDING SIGNAGE. VERIFY REQUIREMENTS WITH SIGNAGE VENDOR PRIOR TO ROUGH-IN. BUILDING SIGNAGE SHALL BE CIRCUITED THROUGH LIGHT CONTROL PANEL 'LCP-1' FOR AUTONOMOUS DAYLIGHTING CONTROL.

P09 120V/1PH POWER CONNECTION FOR BAS ABOVE DOOR.

P13 120V/1PH CONNECTION TO FIRE ALARM CONTROL PANEL.

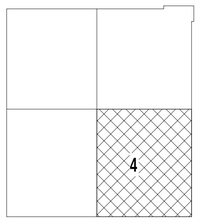
P14 PROVIDE 3/4" D X 8'-0" H X 10'-0" W PLYWOOD TELECOM BACKBACKBOARD, MOUNTED VERTICALLY FROM 0'-6" TO 8'-6" AFF. VERIFY BACKBOARD WIDTH WITH OWNER'S IT DEPARTMENT PRIOR TO INSTALL..

P15 TELECOMMUNICATIONS GROUND BAR MOUNTED ON TELECOM BACKBOARD.

P29 PROVIDE AND INSTALL RECESSED BACKBOX, +12" AFG FOR 360 DEGREE CAMERA. COORDINATE WITH LOW VOLTAGE PLANS FOR ADDITIONAL INFORMATION.

P34 120V/1PH POWER CONNECTION FOR BMS WALL MOUNTED.

P37 CONTRACTOR SHALL STUB UP AND CAP 4" EMPTY CONDUIT, 18" AFF FOR USE WITH FUTURE BUS EV CHARGER. CONTRACTOR SHALL MARK CONDUIT ABOVE GRADE SO THAT IT IS EASILY VISIBLE TO VEHICULAR AND PEDESTRIAN TRAFFIC.



N

KEY PLAN
NOT TO SCALE

1 ENLARGED POWER PLAN - FIRST FLOOR, AREA 4

1/8" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: FVZ/DVD
D2C PROJECT NUMBER 202102
DRAWN BY: FVZ/WD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:23:44 AM
PLOT SCALE: As indicated
SIZE: 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

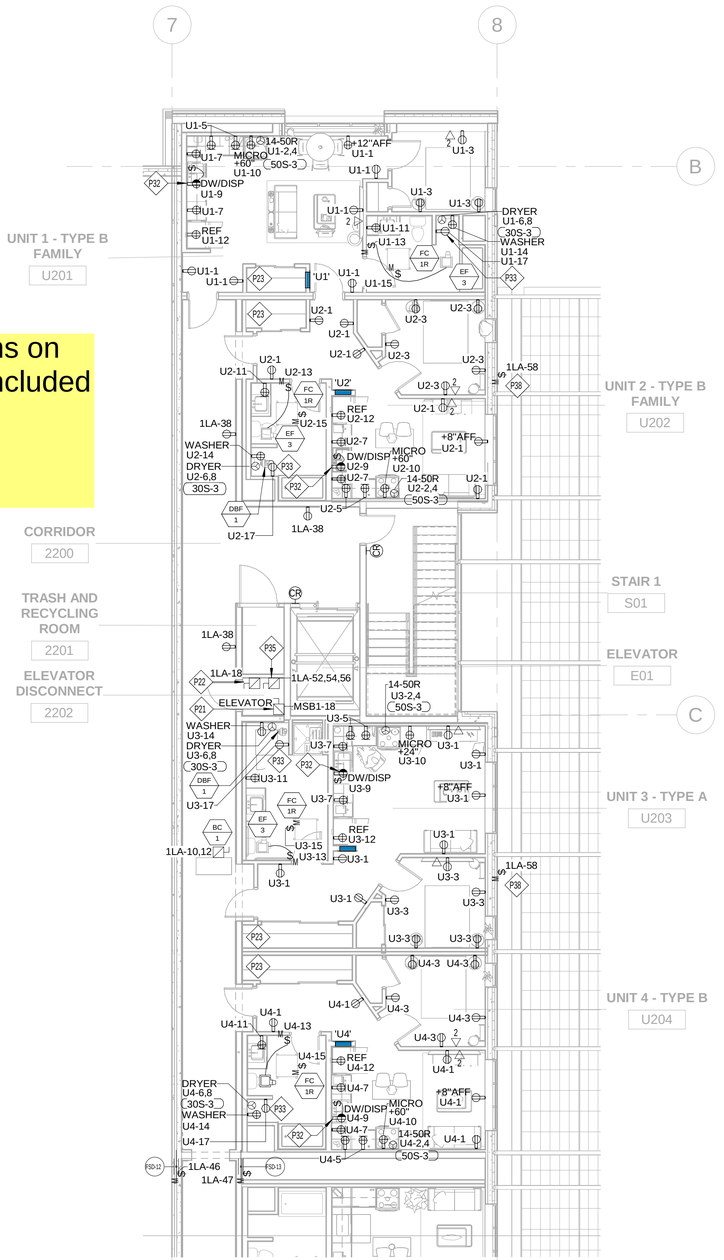
NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED POWER PLAN - FIRST FLOOR, AREA 4

SHEET IDENTIFICATION
E-114

ALL Low Voltage items on this page should be included into housing scope / proposal



1 ENLARGED POWER PLAN - SECOND FLOOR, AREA 2

1/8" = 1'-0"

GENERAL NOTES:

1. ALL EQUIPMENT, MATERIALS, AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
2. VERIFY EXACT LOCATION OF ALL RECEPTACLES ABOVE OR ADJACENT TO COUNTERS, FIXTURES, MIRRORS OUTDOOR FIXTURES AND MOUNTING HEIGHTS AND LOCATIONS OF ALL FIXTURES AND BOXES PRIOR TO ROUGH-IN. NO EXTRA COSTS WILL BE ALLOWED FOR FALUIRE TO COMPLY
3. ALL RECEPTACLES SHALL MATCH THE MALE PLUG CONNECTOR OF ALL EQUIPMENT PROVIDED, VERIFY PRIOR TO PURCHASE.
4. COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN DUCT WORK, SUPPLY & EXHAUST DIFFUSERS, LIGHTING, SOUND SYSTEMS, AND FIRE ALARM SYSTEM FIXTURES.
5. VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
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10. PROVIDE AFCI CIRCUIT BREAKERS FOR BRANCH CIRCUITS SERVING KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS , OR SIMILAR ROOMS PER N.E.C. 210.12.
11. PROVIDE GFCI PROTECTION FOR ALL RECEPTACLES IN THE KITCHEN, COUNTERTOPS, BATHROOMS, LAUNDRY AREA, AND WITHIN 6' OF THE OUTSIDE EDGE OF A SINK PER NEC 210.8. FEED-THRU GFCI RECEPTACLES ARE PERMITTED. LABEL ALL DOWNSTREAM RECEPTACLES AS "GFCI PROTECTED".
12. GFCI PROTECTED RECEPTACLES AT RESTROOM SINKS SHALL NOT BE LOCATED LESS THAN 12" BELOW THE TOP OF THE BASIN OR BASIN COUNTERTOP AND MUST BE WITHIN 3' OF EACH BASIN PER NEC 210.52(D).
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SHEET KEYNOTES

P21 POWER MODULE SWITCH PROVIDED BY TK ELEVATOR, LOCATED IN ELEVATOR CONTROL ROOM WHERE READILY ACCESSIBLE TO QUALIFIED PERSONS. SWITCH SHALL BE 200AS/150AF, 480V, 3P, AND SHALL CONTAIN SHUNT TRIP, KEY TO TEST SWITCH, GREEN PILOT LIGHT, MECHANICAL INTERLOCK AUXILIARY CONTACTS, FIRE SAFETY INTERFACE RELAY AND NEMA 3R ENCLOSURE. SHUNT TRIP SHALL BE ACTIVATED FROM THE FIRE SENSORS LOCATED AT THE TOP OF THE ELEVATOR SHAFT. POWER MODULE SWITCH - 'BUSSMAN SERIES QUICK SPEC POWER MODULE SWITCH ELEVATOR DISCONNECT' OR SIMILAR POWER MODULE SWITCH THAT MEETS NEC 620.51.

P22 PROVIDE AND INSTALL 120 CONNECTION TO ELEVATOR CAB LIGHTING AND GENERAL POWER. VERIFY EXACT POWER REQUIREMENTS WITH ELEVATOR SPECIFICATIONS PRIOR TO ROUGH IN

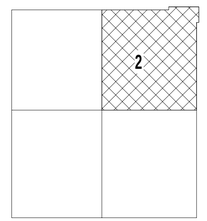
P23 APPROXIMATE LOCATION FOR TELECOM BLOCK CONNECTOR CONFIRM WITH ARCHITECT FOR EXACT LOCATION.

P32 SPLIT-WIRE RECEPTACLE SHALL BE DOWNSTREAM OF ADJACENT GFCI RECEPTACLE AND MARKED AS 'GFCI PROTECTED'. SWITCHED RECEPTACLE SHALL CONTROL GARBAGE DISPOSAL. UNSWITCHED RECEPTACLE SHALL CONTROL DISHWASHER

P33 RECEPTACLE MOUNTED ABOVE CEILING FOR DRYER BOOSTER FAN.

P35 PROVIDE AND INSTALL 208V, 3P, 30A, NEMA-3R FUSED DISCONNECT FOR ELEVATOR HEATING AND AIR CONDITIONING. VERIFY EXACT POWER REQUIREMENTS WITH ELEVATOR SPECIFICATIONS PRIOR TO ROUGH-IN.

P38 APPROXIMATE LOCATION OF 120V HEAT TRACE INSTALLED IN ROOF DRAIN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FVZ/VD
DZC PROJECT NUMBER 202102
DRAWN BY: FVZ/VD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024
PLOT SCALE: As indicated
SIZE: 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

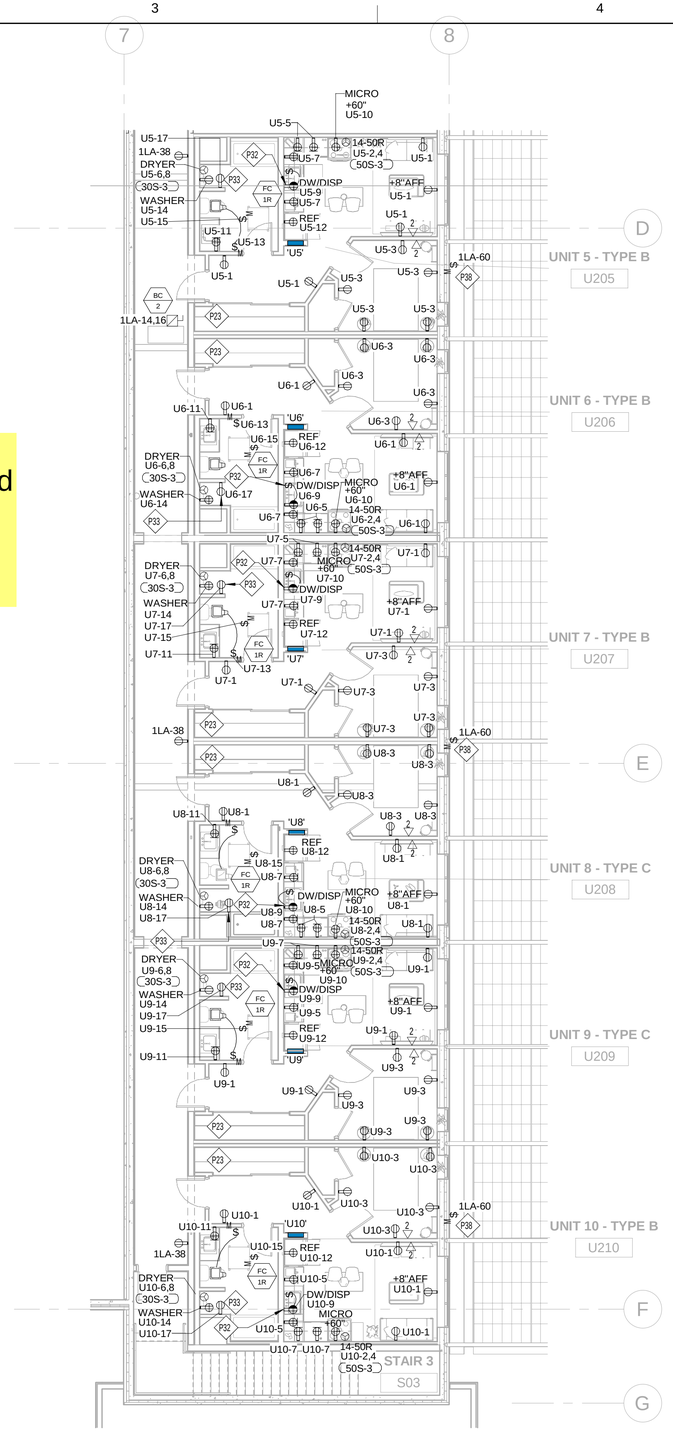
NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED POWER PLAN - SECOND FLOOR, AREA 2

SHEET IDENTIFICATION
E-122

ALL Low Voltage items on this page should be included into housing scope / proposal



1 ENLARGED POWER PLAN - SECOND FLOOR, AREA 4

1/8" = 1'-0"

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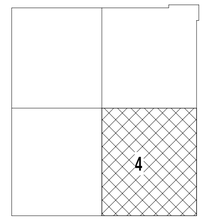
SHEET KEYNOTES

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N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR.

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: PV/DWD
DRAWN BY: PV/2WD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:24:25 AM
PLOT SCALE: As indicated
SIZE: 22" x 34"
FILE NAME:
DSC PROJECT NUMBER 202102

90% CONSTRUCTION DOCUMENTS

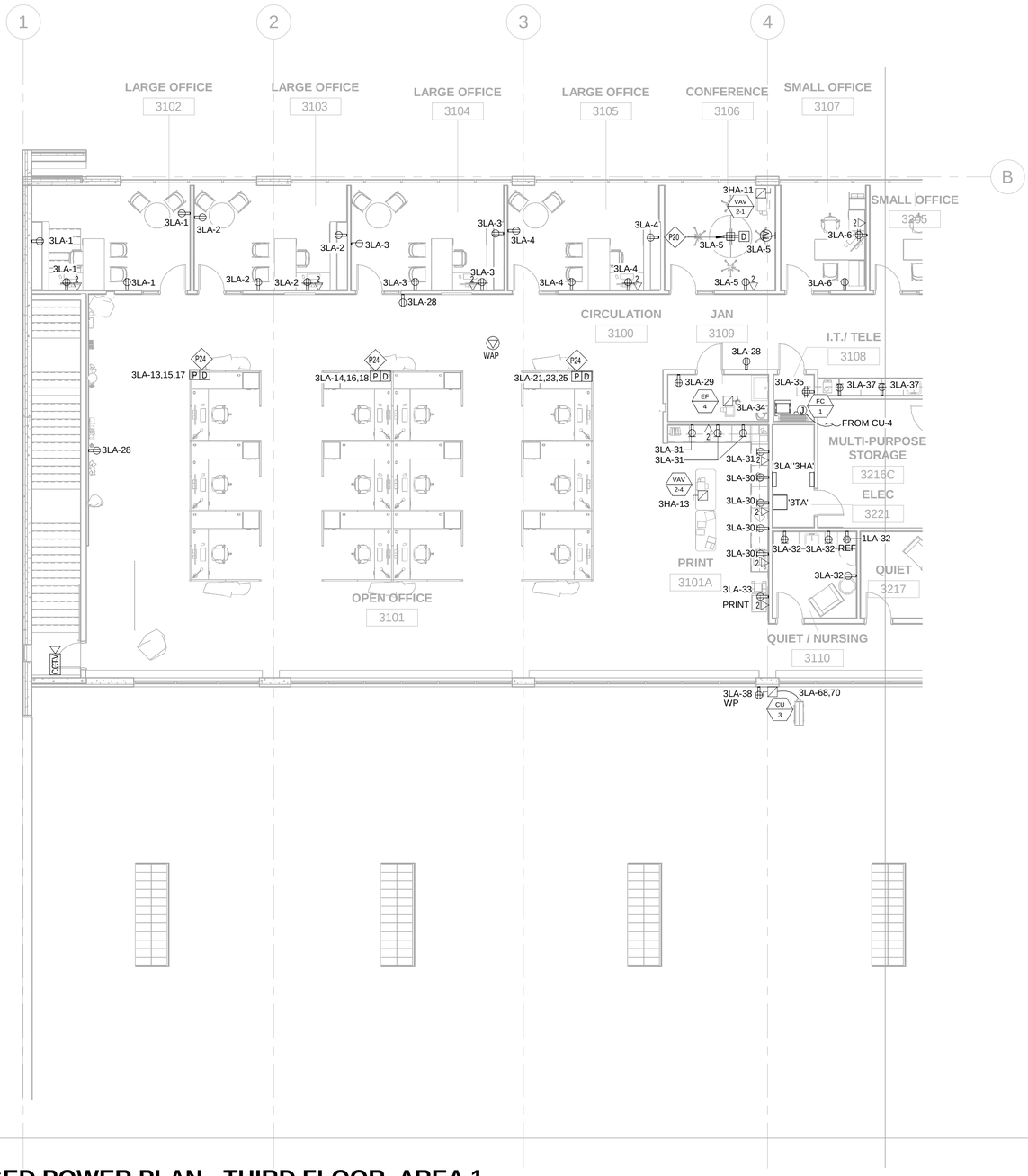
NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED POWER PLAN - SECOND FLOOR, AREA 4

SHEET IDENTIFICATION
E-124

E-124-



1 ENLARGED POWER PLAN - THIRD FLOOR, AREA 1

1/8" = 1'-0"

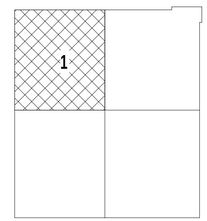
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SHEET KEYNOTES

P20 POKE-THRU DEVICE WITH QUADRUPLEX RECEPTACLE AND COMMUNICATIONS. COORDINATE CABLING REQUIREMENTS AND QUANTITY WITH OWNER.

P24 PROVIDE WIREMOLD 6AT POKE THRU DEVICE FOR POWER AND DATA CONNECTION TO MODULAR FURNITURE.



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
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FILE NUMBER:
DESIGN BY: FV/ZMD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZMD
CKD BY: PMS
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PLOT DATE: 11/6/2024 2:33:39 PM
PLOT SCALE: As indicated
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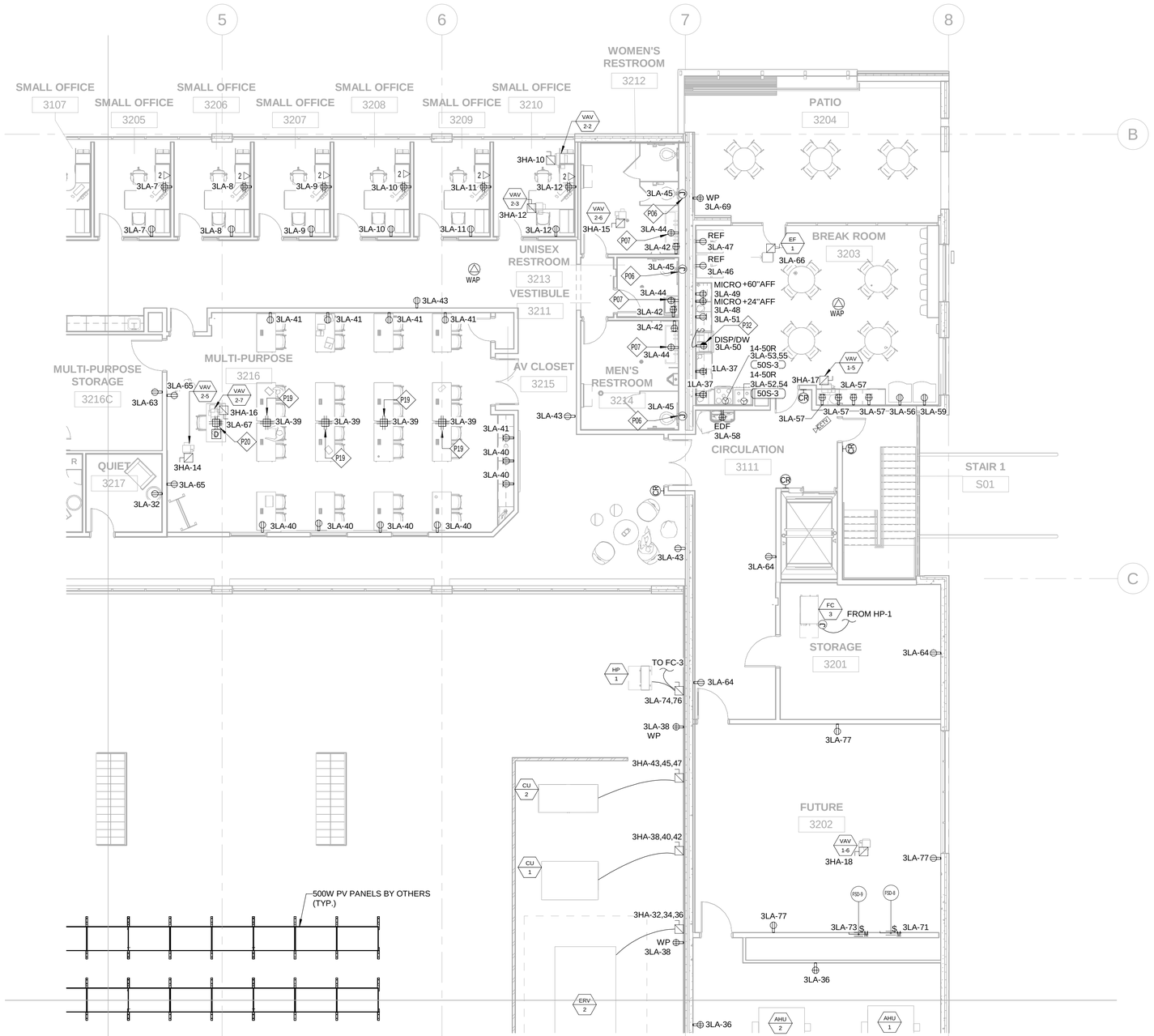
90% CONSTRUCTION DOCUMENTS

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SUMMIT COUNTY
TRANSIT HEADQUARTERS
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ENLARGED POWER PLAN - THIRD FLOOR, AREA 1

SHEET IDENTIFICATION
E-131



1 ENLARGED POWER PLAN - THIRD FLOOR, AREA 2

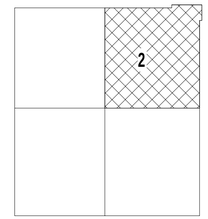
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SHEET KEYNOTES

P06	POWER CONNECTION TO WATER CLOSET FIXTURE AUTO-FLUSH SENSOR. COORDINATE QUANTITY OF LOW-VOLTAGE TRANSFORMERS AND ACCESS PANELS WITH PLUMBING CONTRACTOR.
P07	POWER CONNECTION TO LAVATORY AND SOAP DISPENSER AUTOMATIC SENSOR. COORDINATE QUANTITY OF LOW-VOLTAGE TRANSFORMERS AND ACCESS PANELS WITH PLUMBING CONTRACTOR.
P19	POKE-THRU DEVICE WITH QUADRUPLEX RECEPTACLE.
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N

KEY PLAN
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PLOT DATE: 11/6/2024 11:25:47 AM
PLOT SCALE: As indicated
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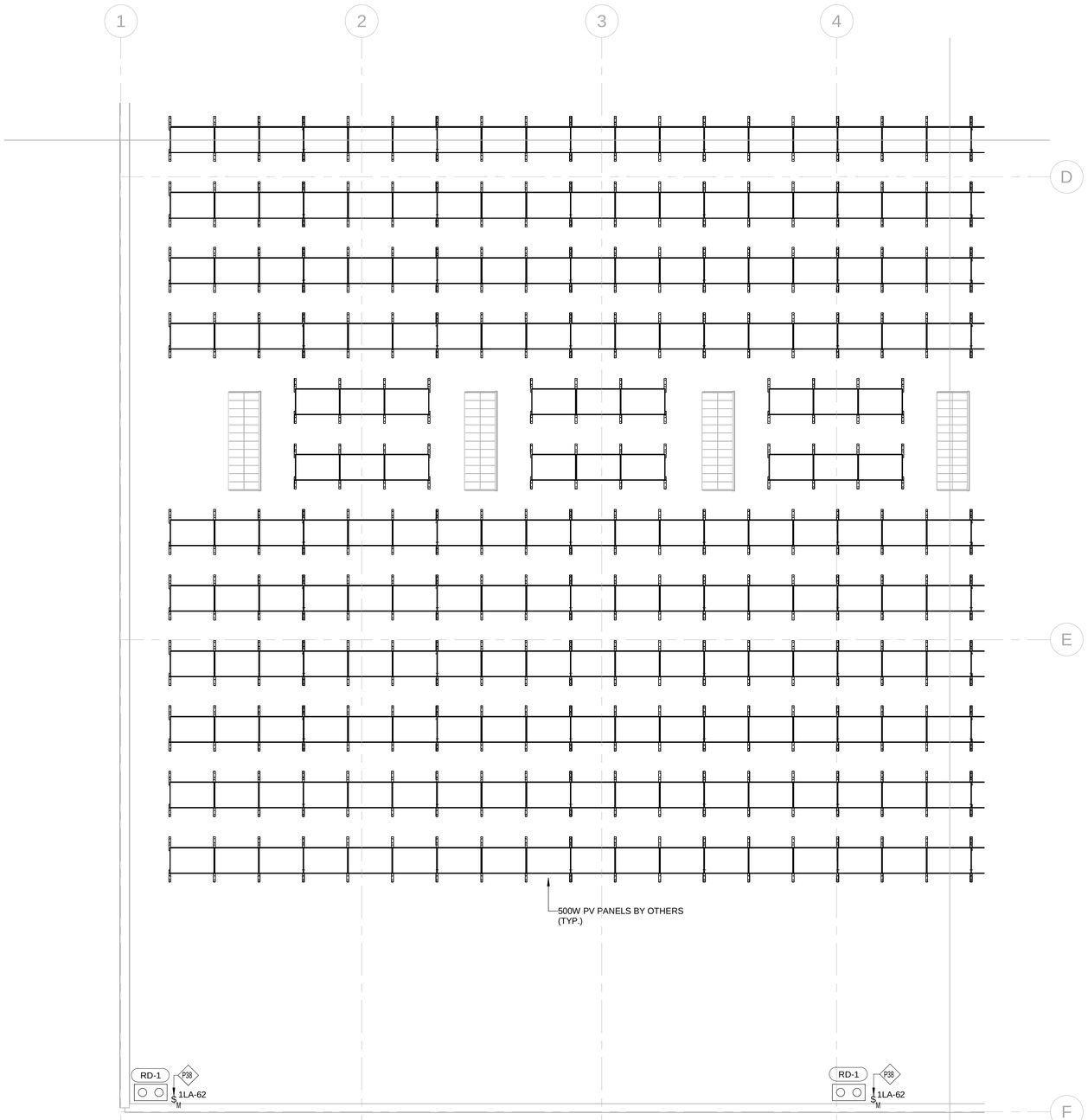
90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED POWER PLAN - THIRD FLOOR, AREA 2

SHEET IDENTIFICATION
E-132



1 ENLARGED POWER PLAN - THIRD FLOOR, AREA 3

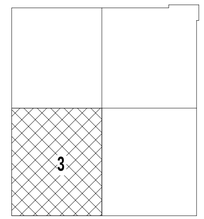
1/8" = 1'-0"

GENERAL NOTES:

1. ALL EQUIPMENT, MATERIALS, AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
2. VERIFY EXACT LOCATION OF ALL RECEPTACLES ABOVE OR ADJACENT TO COUNTERS, FIXTURES, MIRRORS OUTDOOR FIXTURES AND MOUNTING HEIGHTS AND LOCATIONS OF ALL FIXTURES AND BOXES PRIOR TO ROUGH-IN. NO EXTRA COSTS WILL BE ALLOWED FOR FALUIRE TO COMPLY
3. ALL RECEPTACLES SHALL MATCH THE MALE PLUG CONNECTOR OF ALL EQUIPMENT PROVIDED, VERIFY PRIOR TO PURCHASE.
4. COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN DUCT WORK, SUPPLY & EXHAUST DIFFUSERS, LIGHTING, SOUND SYSTEMS, AND FIRE ALARM SYSTEM FIXTURES.
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8. ALL WIRE SHALL BE COPPER. MINIMUM SIZE FOR POWER WIRING SHALL BE #12 AWG. STRANDED UNLESS OTHERWISE NOTED. MINIMUM SIZE FOR CONTROL WIRING SHALL BE #14 AWG.
9. ALL 15A AND 20A, 120 VOLT AND 240 VOLT RECEPTACLES IN DWELLING UNITS SHALL BE LISTED AS TAMPER-RESISTANT RECEPTACLES.
10. PROVIDE AFCI CIRCUIT BREAKERS FOR BRANCH CIRCUITS SERVING KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS , OR SIMILAR ROOMS PER N.E.C. 210.12.
11. PROVIDE GFCI PROTECTION FOR ALL RECEPTACLES IN THE KITCHEN, COUNTERTOPS, BATHROOMS, LAUNDRY AREA, AND WITHIN 6' OF THE OUTSIDE EDGE OF A SINK PER NEC 210.8. FEED-THRU GFCI RECEPTACLES ARE PERMITTED. LABEL ALL DOWNSTREAM RECEPTACLES AS "GFCI PROTECTED".
12. GFCI PROTECTED RECEPTACLES AT RESTROOM SINKS SHALL NOT BE LOCATED LESS THAN 12" BELOW THE TOP OF THE BASIN OR BASIN COUNTERTOP AND MUST BE WITHIN 3' OF EACH BASIN PER NEC 210.52(D).
13. CONTRACTOR WILL MAINTAIN CLEARANCES ABOUT ELECTRICAL EQUIPMENT PER 2017 N.E.C. 110.26.
13. REFER TO SHEET E-602 FOR FEEDER SCHEDULE.
14. CONTRACTOR SHALL UTILIZE NM CABLE WHERE PERMITTED BY NEC FOR BRANCH CIRCUITS WITHIN DWELLING UNITS.
15. ALL WORK IS TO BE PERFORMED BY QUALIFIED TRADESMEN WITH EXPERIENCE IN THE TYPE OF WORK TO BE PERFORMED. ALL WORK WILL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.

SHEET KEYNOTES

P38 APPROXIMATE LOCATION OF 120V HEAT TRACE INSTALLED IN ROOF DRAIN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.



KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

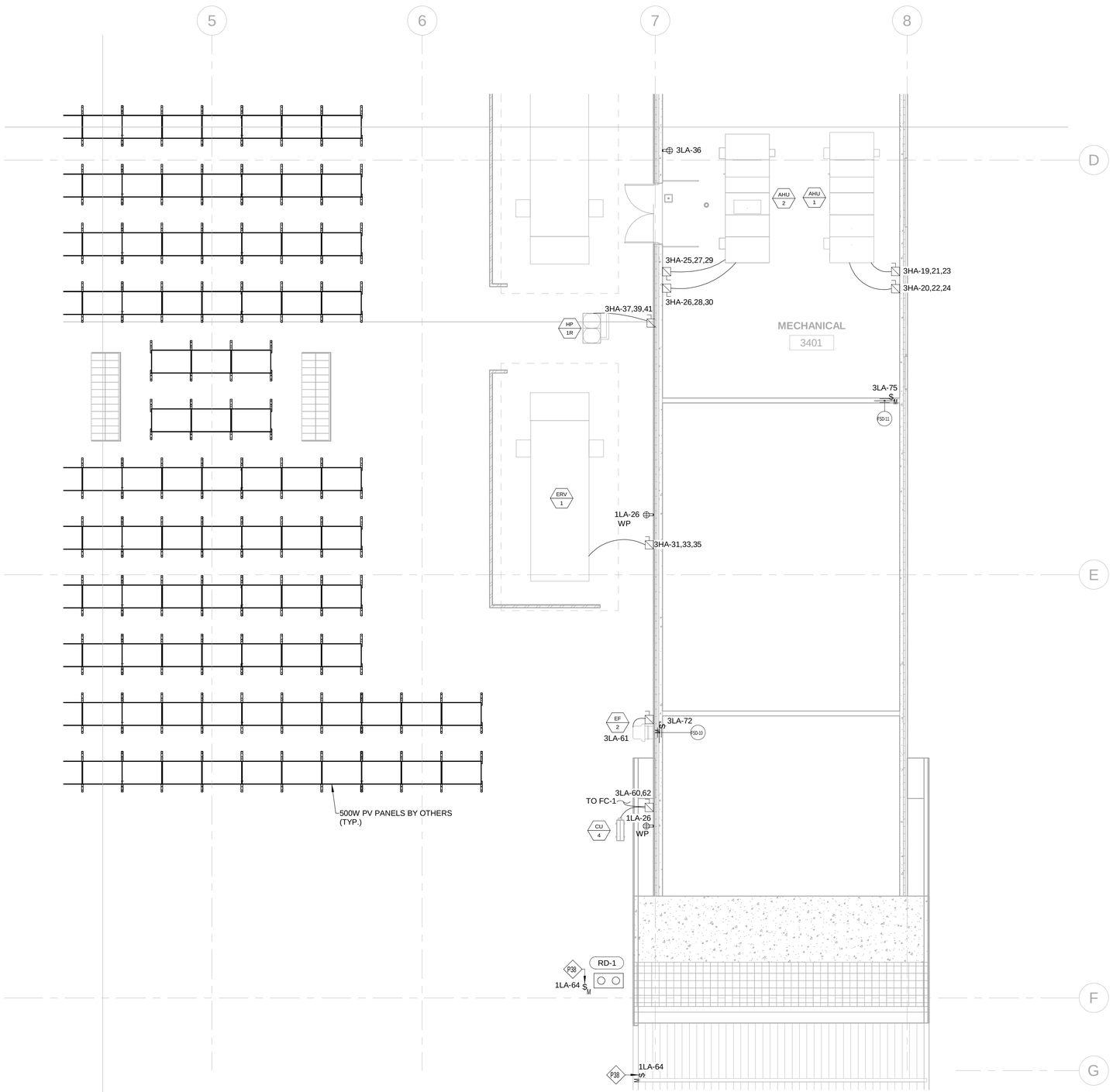
DESIGN BY: FVIZ/WD
D2C PROJECT NUMBER 202102
DRAWN BY: FVIZ/WD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 2:32:42 PM
PLOT SCALE: As shown
SIZE: 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
ENLARGED POWER PLAN - THIRD FLOOR, AREA 3

SHEET IDENTIFICATION
E-133



1 ENLARGED POWER PLAN - THIRD FLOOR, AREA 4

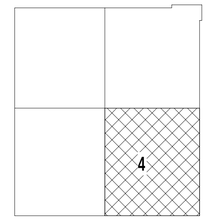
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SHEET KEYNOTES

P38 APPROXIMATE LOCATION OF 120V HEAT TRACE INSTALLED IN ROOF DRAIN. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FVIZ/WD	ISSUE DATE: NOVEMBER 7, 2024
D2C PROJECT NUMBER 202102	CONSULTANTS PROJECT #
DRAWN BY: FVIZ/WD	CKD BY: PMS
	SOLICITATION NO.:
SBMT BY: PMS	PLOT DATE: 11/6/2024 2:33:05 PM
	CONTRACT NO.:
PLOT SCALE: As indicated	FILE NUMBER:
SIZE: 22" x 34"	FILE NAME:

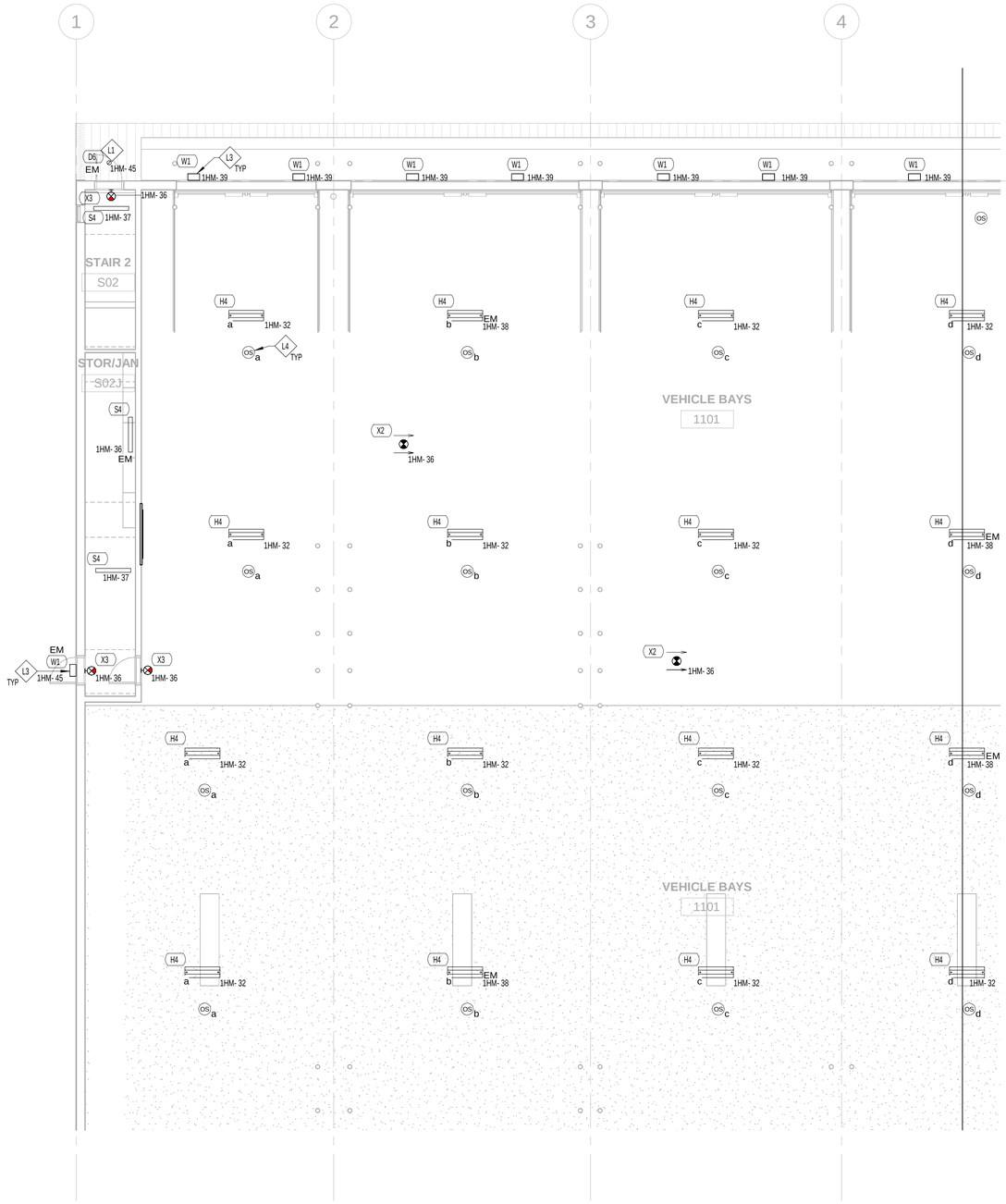
90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED POWER PLAN - THIRD FLOOR, AREA 4

SHEET IDENTIFICATION
E-134



1 ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 1

1/8" = 1'-0"

GENERAL NOTES:

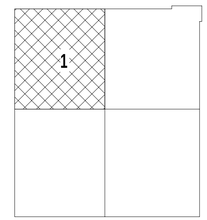
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8. PROVIDE AFCI CIRCUIT BREAKERS FOR BRANCH CIRCUITS SERVING KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS , OR SIMILAR
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SHEET KEYNOTES

L1 EXTERIOR EGRESS LIGHTING SHALL BE CONTROLLED FROM TWO SEPARATE DRIVERS, ONE FOR NORMAL OPERATIONS AND ONE FOR EMERGENCY OPERATION.

L3 CIRCUIT EXTERIOR LIGHTING THROUGH LIGHTING CONTROL PANEL 'LCP-1' LOCATED IN ELECTRICAL ROOM 1303. REFER TO LIGHTING CONTROL PANEL SCHEDULE ON SHEET E-627 FOR CIRCUITING INFORMATION.

L4 PROVIDE AND INSTALL PENDANT MOUNTED OCCUPANCY/DAYLIGHTING SENSOR +20:-0"AFF, WITH MINIMUM 40FT DIAMETER COVERAGE, FOR CONTROL OF HIGH BAY LIGHTING



KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FVZ/DXD	ISSUE DATE: NOVEMBER 7, 2024
D2C PROJECT NUMBER 202102	CONSULTANTS PROJECT #
DRAWN BY: FVZ/WD	CKD BY: PMS
SBMT BY: PMS	PLOT DATE: 11/6/2024 11:27:40 AM
PLOT SCALE: As indicated	FILE NUMBER:
SIZE: 22" x 34"	FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

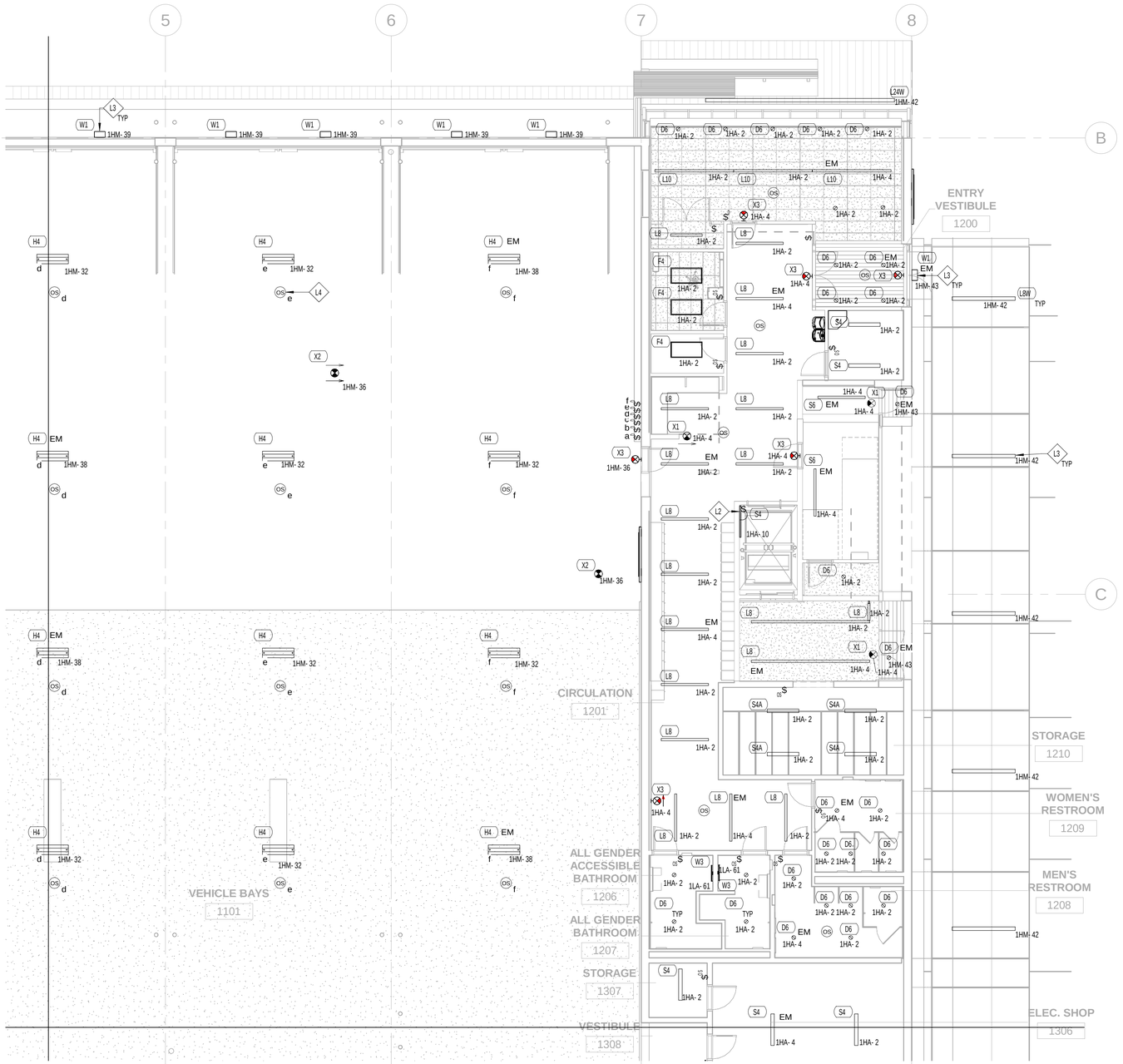
TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 1

SHEET IDENTIFICATION

E-211



1 ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 2

1/8" = 1'-0"

GENERAL NOTES:

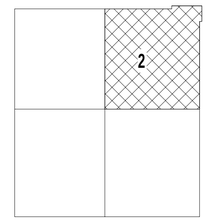
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8. PROVIDE AFCI CIRCUIT BREAKERS FOR BRANCH CIRCUITS SERVING KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS , OR SIMILAR
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◇ SHEET KEYNOTES

L2 PROVIDE 120V PIT LUMINAIRE AND SWITCH ON LINE SIDE OF GFCI PIT RECEPTACLE CIRCUIT.

L3 CIRCUIT EXTERIOR LIGHTING THROUGH LIGHTING CONTROL PANEL 'LCP-1' LOCATED IN ELECTRICAL ROOM 1303. REFER TO LIGHTING CONTROL PANEL SCHEDULE ON SHEET E-627 FOR CIRCUITING INFORMATION.

L4 PROVIDE AND INSTALL PENDANT MOUNTED OCCUPANCY/DAYLIGHTING SENSOR +20;-0"AFF, WITH MINIMUM 40FT DIAMETER COVERAGE, FOR CONTROL OF HIGH BAY LIGHTING



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/CWD
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 2:33:23 PM
PLOT SCALE: As indicated
SIZE: ANSI D 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

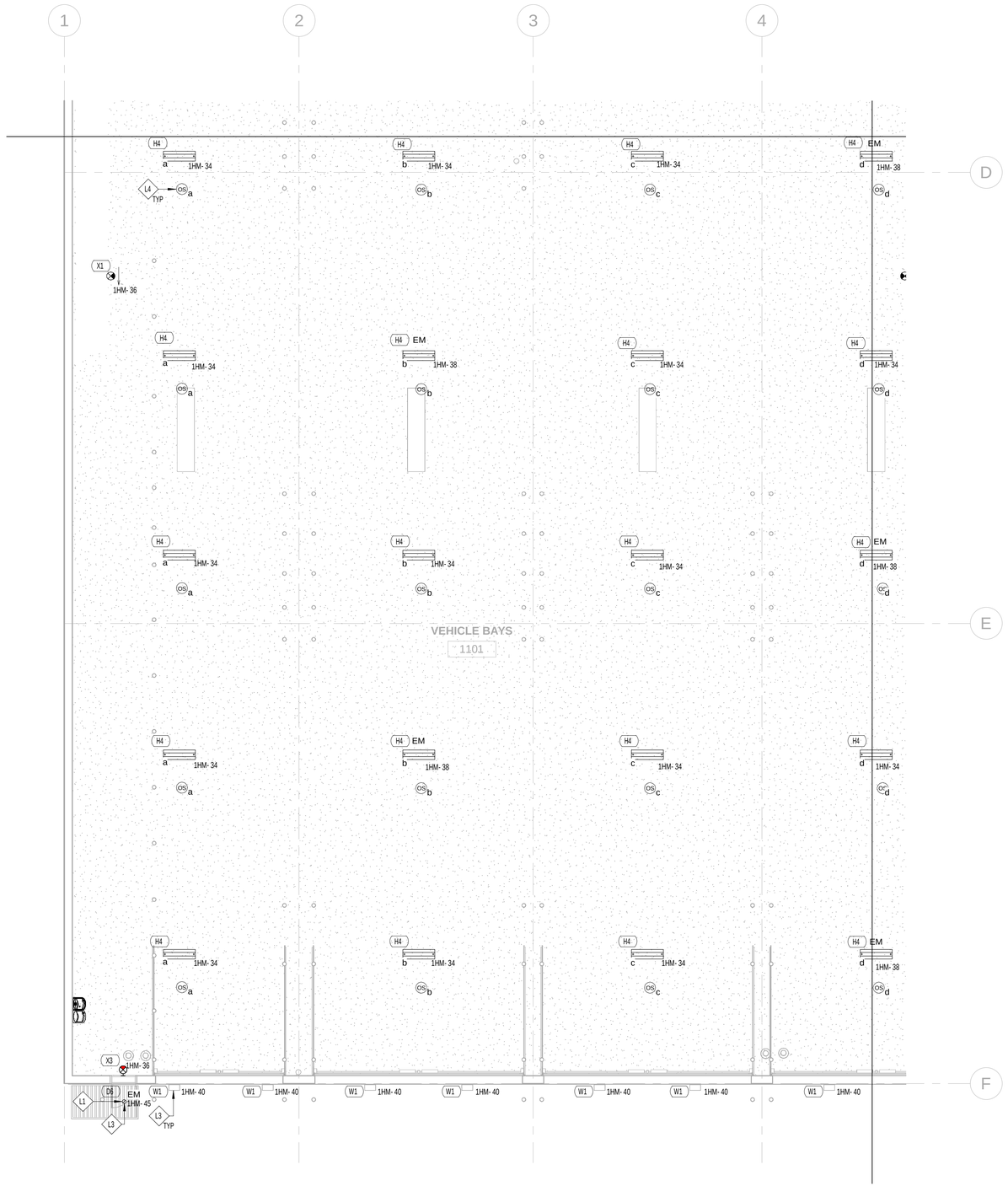
NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 2

SHEET IDENTIFICATION
E-212

E-212-



1 ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 3

1/8" = 1'-0"

GENERAL NOTES:

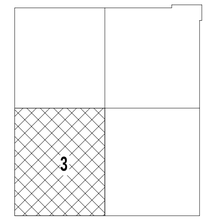
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KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: FVZ/WD
D2C PROJECT NUMBER 202102
DRAWN BY: FVZ/WD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:28:39 AM
PLOT SCALE: 1:1 AS MEASURED
SIZE: 22" x 34"
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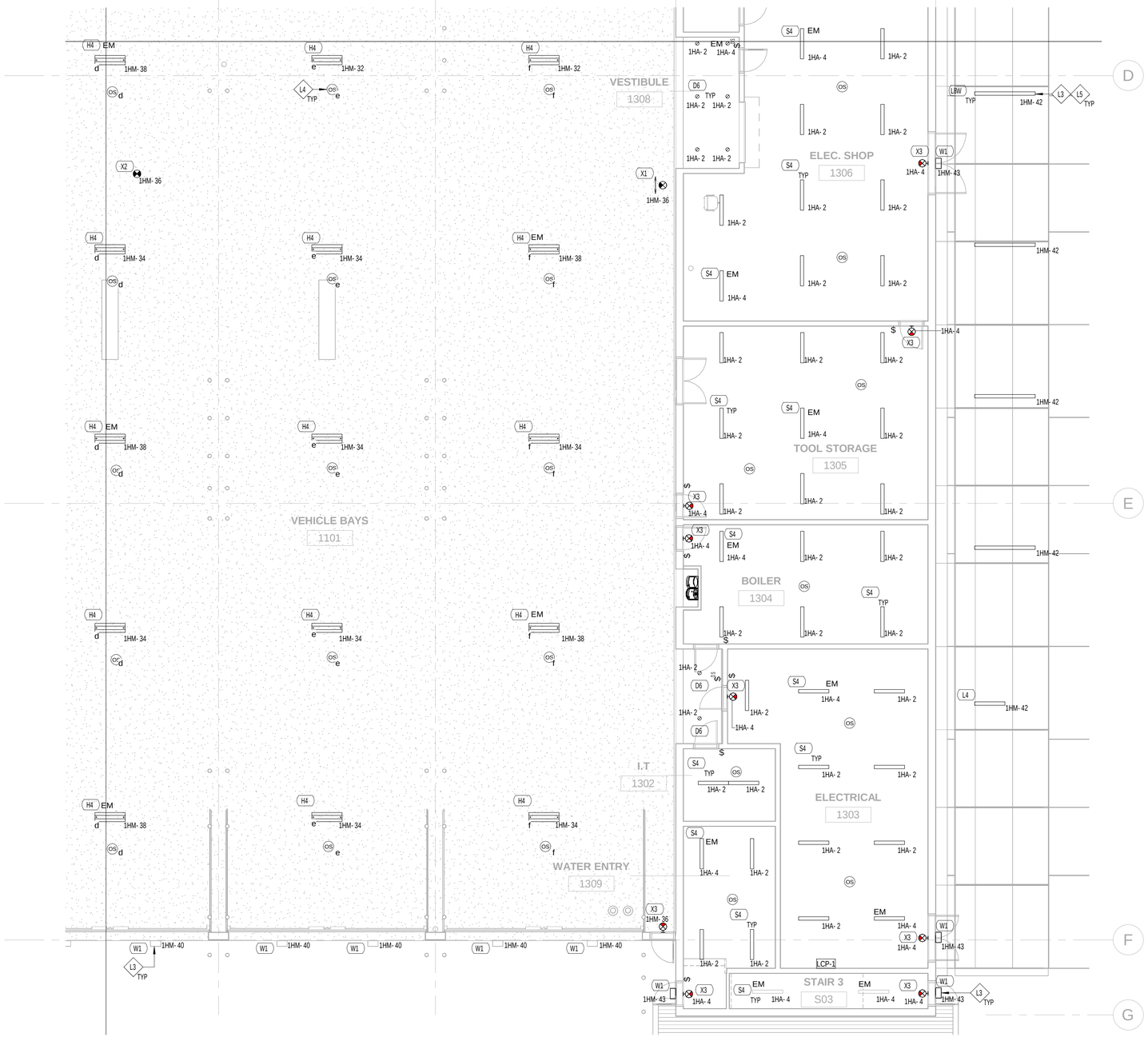
90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 3

SHEET IDENTIFICATION
E-213



1 ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 4

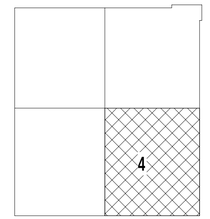
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7. ALL EMERGENCY FIXTURES SHALL BE ALWAYS ON AS NIGHT LIGHTS AND WIRED TO THE UNSWITCHED HOT LEG OF THE CIRCUIT
8. PROVIDE AFCI CIRCUIT BREAKERS FOR BRANCH CIRCUITS SERVING KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS , OR SIMILAR ROOMS PER N.E.C. 210.12.
9. REFER TO SHEET E-602 FOR FEEDER SCHEDULE.
10. CONTRACTOR SHALL UTILIZE NM CABLE WHERE PERMITTED BY NEC FOR BRANCH CIRCUITS WITHIN DWELLING UNITS.
11. ALL WORK IS TO BE PERFORMED BY QUALIFIED TRADESMEN WITH EXPERIENCE IN THE TYPE OF WORK TO BE PERFORMED. ALL WORK WILL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.

SHEET KEYNOTES

- L3 CIRCUIT EXTERIOR LIGHTING THROUGH LIGHTING CONTROL PANEL 'LCP-1' LOCATED IN ELECTRICAL ROOM 1303. REFER TO LIGHTING CONTROL PANEL SCHEDULE ON SHEET E-627 FOR CIRCUITING INFORMATION.
- L4 PROVIDE AND INSTALL PENDANT MOUNTED OCCUPANCY/DAYLIGHTING SENSOR +20;-0"AFF, WITH MINIMUM 40FT DIAMETER COVERAGE, FOR CONTROL OF HIGH BAY LIGHTING
- L5 EXTERIOR LINEAR LUMINAIRE MOUNTED TO BOTTOM OF SLOPED CANOPY. COORDINATE WITH ARCHITECT FOR EXACT LOCATION.



KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:29:05 AM
PLOT SCALE: ANSI B(11.00 x 17.00 Inches)
SIZE: 22" x 34"
FILE NAME:

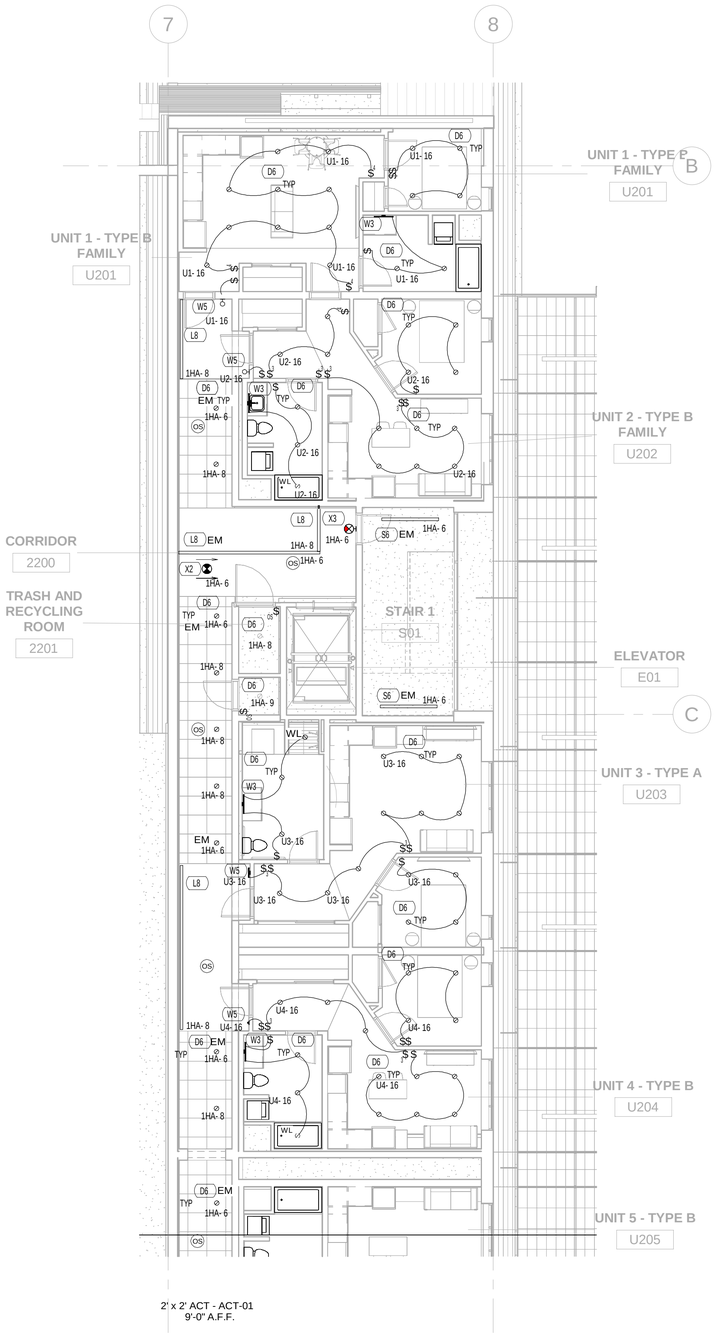
90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - FIRST FLOOR, AREA 4

SHEET IDENTIFICATION
E-214

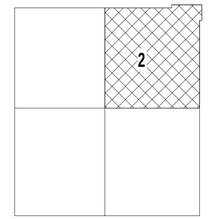


1 ENLARGED LIGHTING PLAN - SECOND FLOOR, AREA 2

1/8" = 1'-0"

GENERAL NOTES:

1. ALL EQUIPMENT, MATERIALS, AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
2. COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN DUCT WORK, SUPPLY & EXHAUST DIFFUSERS, LIGHTING, SOUND SYSTEMS, AND FIRE ALARM SYSTEM FIXTURES.
3. VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
   NOTE: COORDINATE LUMINAIRE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
4. TYPE MC OR TYPE AC CABLE SHALL ONLY BE USED WITH THE SPECIFIC WRITTEN PERMISSION OF THE PROGRAM/PROJECT MANAGER. ENT TYPE CONDUIT IS NOT ALLOWED.
5. CONDUIT/CONDUCTOR RUNS SHOWN ARE DIAGRAMMATICAL ONLY. THE BEST FINAL CONDUIT ROUTING SHALL BE AS DETERMINED BY THE ELECTRICAL CONTRACTOR AT THE TIME OF CONSTRUCTION.
6. ALL WIRE SHALL BE COPPER. MINIMUM SIZE FOR POWER WIRING SHALL BE #12 AWG, STRANDED UNLESS OTHERWISE NOTED. MINIMUM SIZE FOR CONTROL WIRING SHALL BE #14 AWG.
7. ALL EMERGENCY FIXTURES SHALL BE ALWAYS ON AS NIGHT LIGHTS AND WIRED TO THE UNSWITCHED HOT LEG OF THE CIRCUIT
8. PROVIDE AFCI CIRCUIT BREAKERS FOR BRANCH CIRCUITS SERVING KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS , OR SIMILAR ROOMS PER N.E.C. 210.12.
9. REFER TO SHEET E-602 FOR FEEDER SCHEDULE.
10. CONTRACTOR SHALL UTILIZE NM CABLE WHERE PERMITTED BY NEC FOR BRANCH CIRCUITS WITHIN DWELLING UNITS.
11. ALL WORK IS TO BE PERFORMED BY QUALIFIED TRADESMEN WITH EXPERIENCE IN THE TYPE OF WORK TO BE PERFORMED. ALL WORK WILL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FVZDVD	D2C PROJECT NUMBER 202102	DRAWN BY: FV/ZVD	SBMT BY: PMS
ISSUE DATE: NOVEMBER 7, 2024	CONSULTANTS PROJECT #	SOLICITATION NO.:	CONTRACT NO.:
CKD BY: PMS	PLOT DATE: 11/6/2024 2:33:32 PM	PLOT SCALE: As indicated	SIZE: 22" x 34"
FILE NUMBER:	FILE NAME:		

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

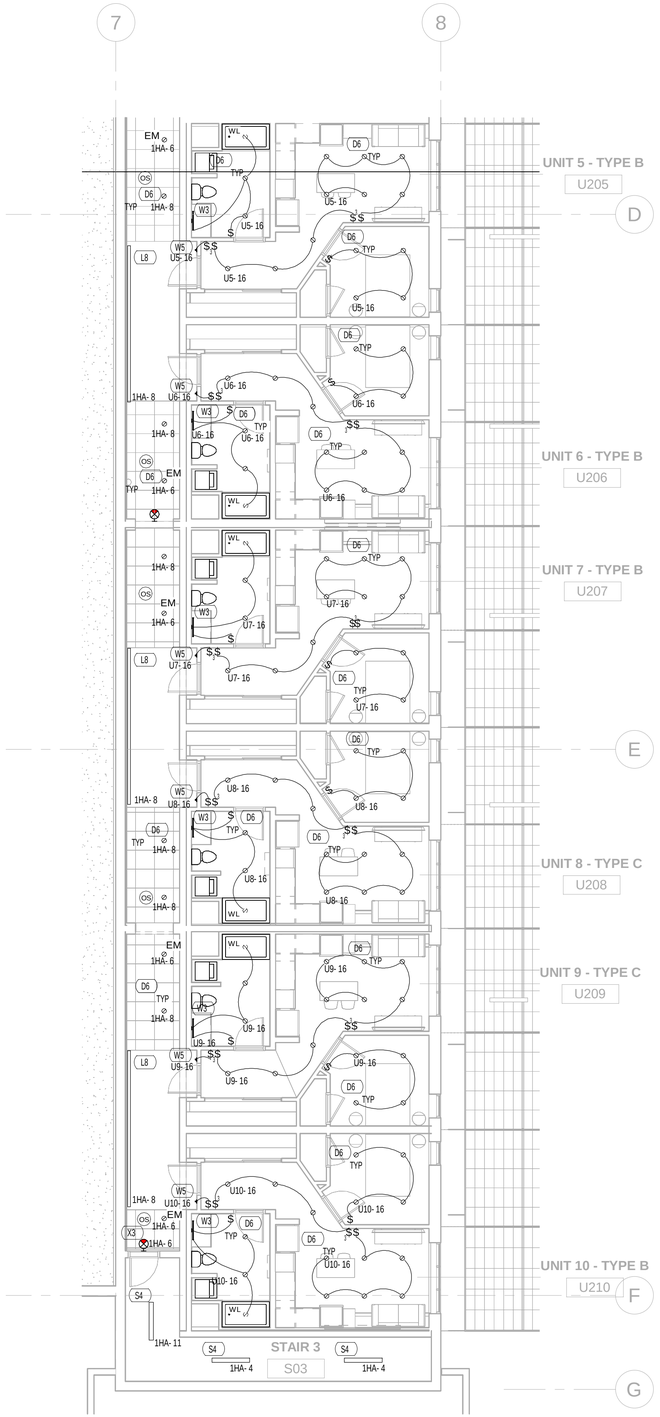
SUMMIT COUNTY

TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - SECOND FLOOR, AREA 2

SHEET IDENTIFICATION
E-222

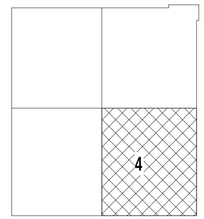


GENERAL NOTES:

1. ALL EQUIPMENT, MATERIALS, AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
2. COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN DUCT WORK, SUPPLY & EXHAUST DIFFUSERS, LIGHTING, SOUND SYSTEMS, AND FIRE ALARM SYSTEM FIXTURES.
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1 ENLARGED LIGHTING PLAN - SECOND FLOOR, AREA 4

1/8" = 1'-0"



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: FV/ZWD
DDC PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:29:32 AM
PLOT SCALE: As indicated
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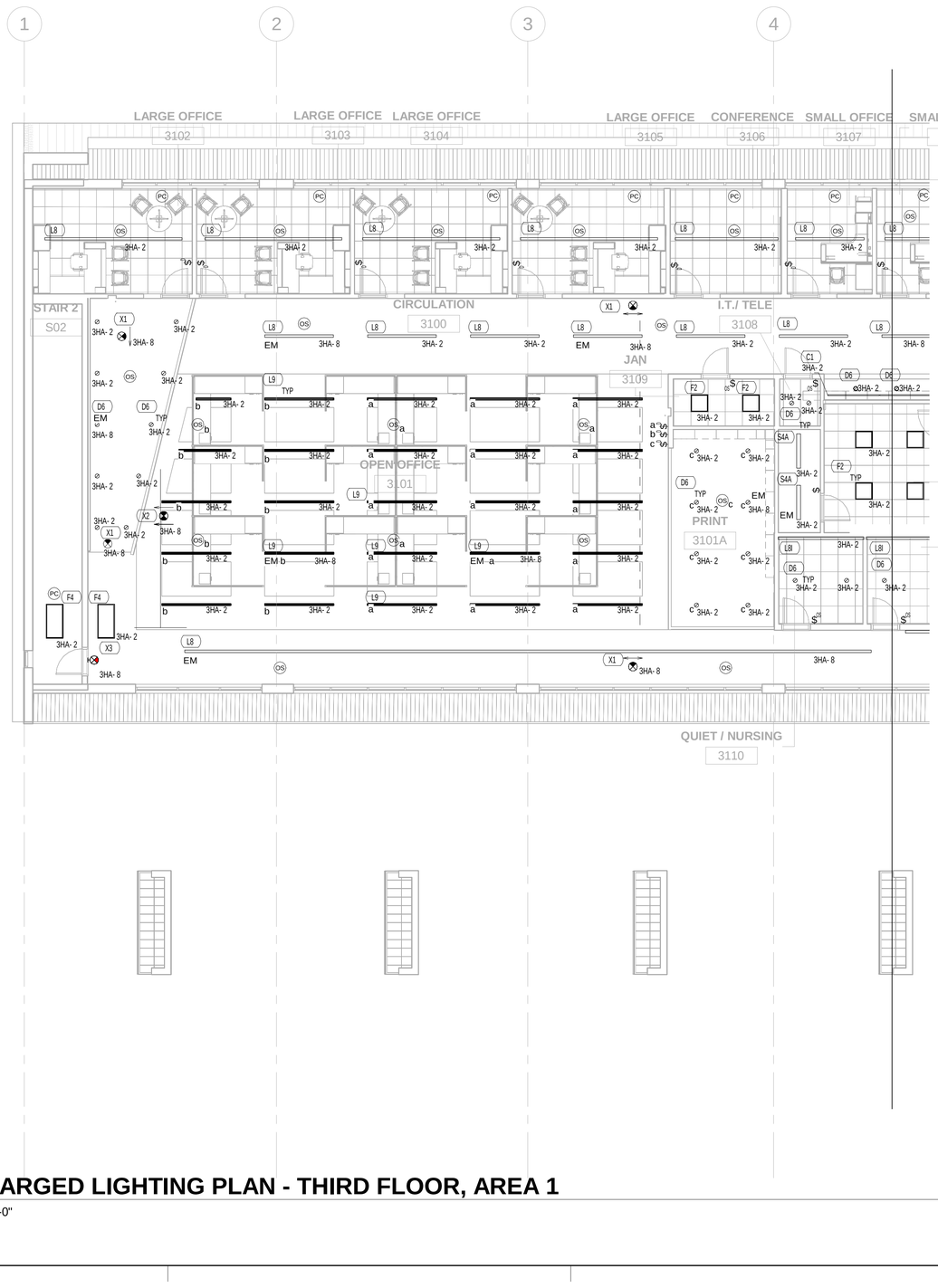
90% CONSTRUCTION DOCUMENTS

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SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - SECOND FLOOR, AREA 4

SHEET IDENTIFICATION
E-224

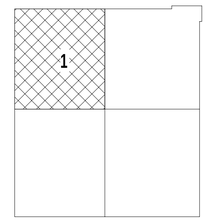


1 ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 1

1/8" = 1'-0"

GENERAL NOTES:

1. ALL EQUIPMENT, MATERIALS, AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
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10. CONTRACTOR SHALL UTILIZE NM CABLE WHERE PERMITTED BY NEC FOR BRANCH CIRCUITS WITHIN DWELLING UNITS.
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N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
SBMT BY: PMS
CKD BY: PMS
PLOT DATE: 11/6/2024 11:30:25 AM
PLOT SCALE: As indicated
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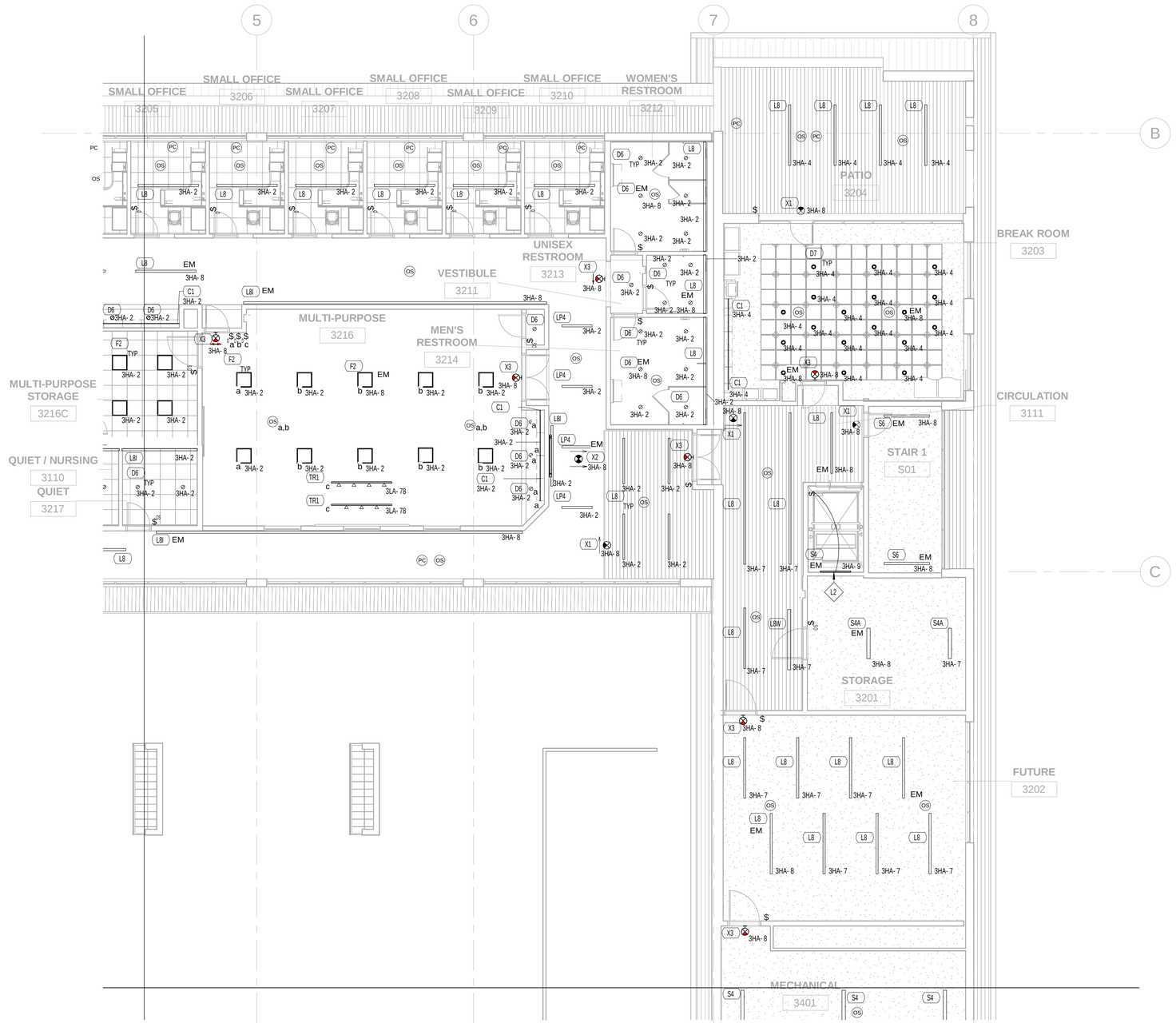
90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 1

SHEET IDENTIFICATION
E-231



GENERAL NOTES:

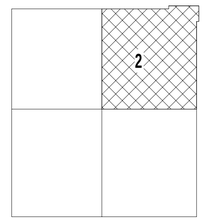
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8. PROVIDE AFCI CIRCUIT BREAKERS FOR BRANCH CIRCUITS SERVING KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS , OR SIMILAR
   ROOMS PER N.E.C. 210.12.
9. REFER TO SHEET E-602 FOR FEEDER SCHEDULE.
10. CONTRACTOR SHALL UTILIZE NM CABLE WHERE PERMITTED BY NEC FOR BRANCH CIRCUITS WITHIN DWELLING UNITS.
11. ALL WORK IS TO BE PERFORMED BY QUALIFIED TRADESMEN WITH EXPERIENCE IN THE TYPE OF WORK TO BE PERFORMED. ALL WORK WILL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.

SHEET KEYNOTES

L2 PROVIDE 120V PIT LUMINAIRE AND SWITCH ON LINE SIDE OF GFCI PIT RECEPTACLE CIRCUIT.

1 ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 2

1/8" = 1'-0"



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:33:04 AM
PLOT SCALE: As indicated
SIZE: 22" x 34"
FILE NAME:

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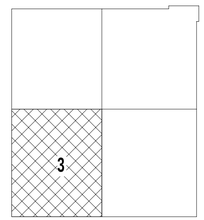
SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 2

SHEET IDENTIFICATION
E-232

1 ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 3

1/8" = 1'-0"



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FV/ZWD		ISSUE DATE: NOVEMBER 7, 2024	CONSULTANTS PROJECT #
D2C PROJECT NUMBER 202102		SOLICITATION NO.:	
DRAWN BY: FV/ZWD	CKD BY: PMS	CONTRACT NO.:	
SBMT BY: PMS	PLOT DATE: 11/6/2024 11:31:07 AM	FILE NUMBER:	
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90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

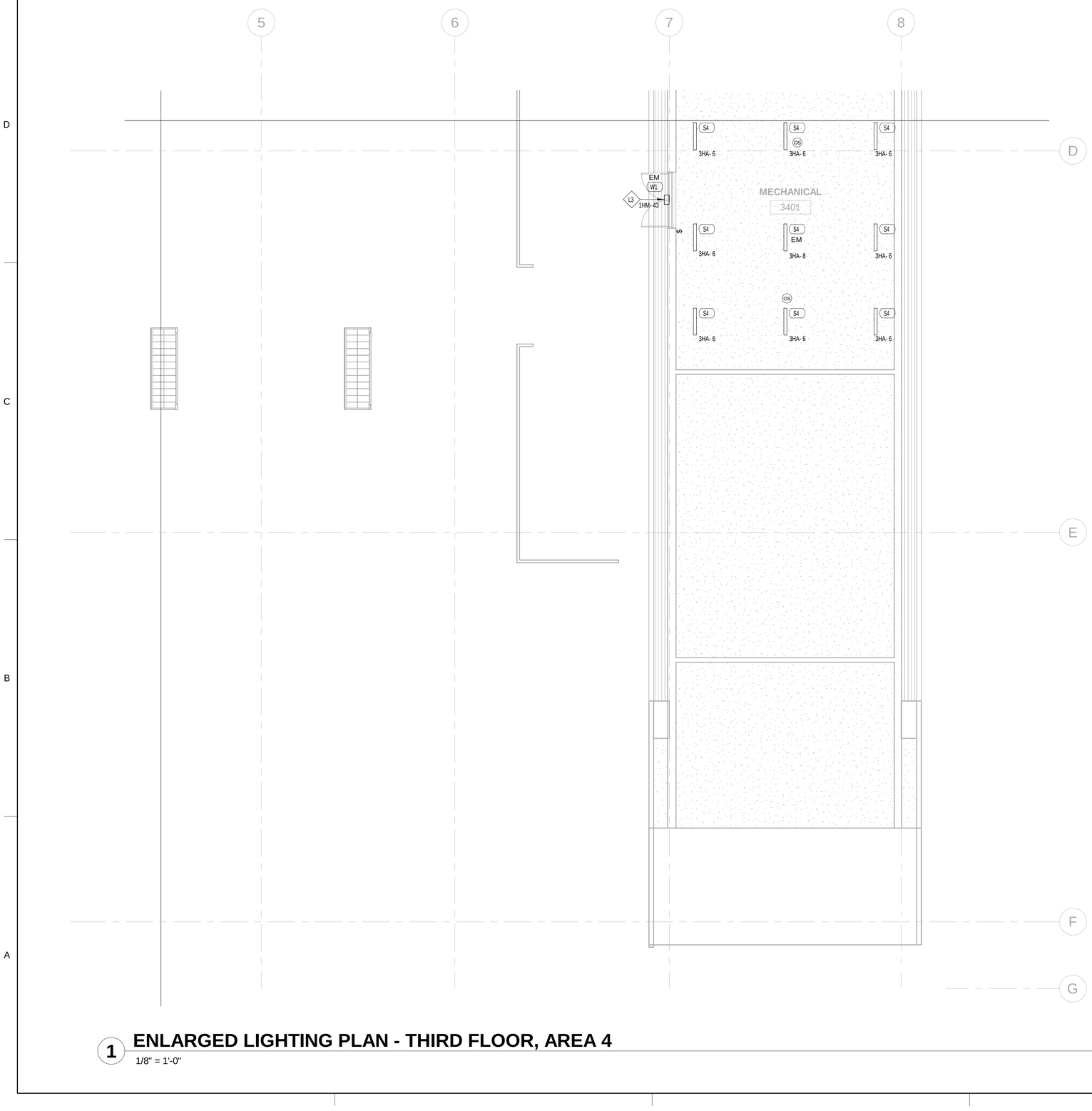
TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 3

SHEET IDENTIFICATION

E-233



1 ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 4

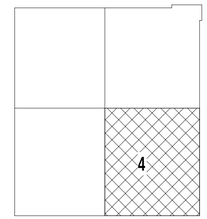
1/8" = 1'-0"

GENERAL NOTES:

1. ALL EQUIPMENT, MATERIALS, AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
2. VERIFY EXACT LOCATION OF ALL RECEPTACLES ABOVE OR ADJACENT TO COUNTERS, FIXTURES, MIRRORS OUTDOOR FIXTURES AND MOUNTING HEIGHTS AND LOCATIONS OF ALL FIXTURES AND BOXES PRIOR TO ROUGH-IN. NO EXTRA COSTS WILL BE ALLOWED FOR FALUIRE TO COMPLY
3. ALL RECEPTACLES SHALL MATCH THE MALE PLUG CONNECTOR OF ALL EQUIPMENT PROVIDED, VERIFY PRIOR TO PURCHASE.
4. COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN DUCT WORK, SUPPLY & EXHAUST DIFFUSERS, LIGHTING, SOUND SYSTEMS, AND FIRE ALARM SYSTEM FIXTURES.
5. VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
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8. ALL WIRE SHALL BE COPPER. MINIMUM SIZE FOR POWER WIRING SHALL BE #12 AWG. STRANDED UNLESS OTHERWISE NOTED. MINIMUM SIZE FOR CONTROL WIRING SHALL BE #14 AWG.
9. ALL 15A AND 20A, 120 VOLT AND 240 VOLT RECEPTACLES IN DWELLING UNITS SHALL BE LISTED AS TAMPER-RESISTANT RECEPTACLES.
10. PROVIDE AFCI CIRCUIT BREAKERS FOR BRANCH CIRCUITS SERVING KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS , OR SIMILAR ROOMS PER N.E.C. 210.12.
11. PROVIDE GFCI PROTECTION FOR ALL RECEPTACLES IN THE KITCHEN, COUNTERTOPS, BATHROOMS, LAUNDRY AREA, AND WITHIN 6' OF THE OUTSIDE EDGE OF A SINK PER NEC 210.8. FEED-THRU GFCI RECEPTACLES ARE PERMITTED. LABEL ALL DOWNSTREAM RECEPTACLES AS "GFCI PROTECTED".
12. GFCI PROTECTED RECEPTACLES AT RESTROOM SINKS SHALL NOT BE LOCATED LESS THAN 12" BELOW THE TOP OF THE BASIN OR BASIN COUNTERTOP AND MUST BE WITHIN 3' OF EACH BASIN PER NEC 210.52(D).
13. CONTRACTOR WILL MAINTAIN CLEARANCES ABOUT ELECTRICAL EQUIPMENT PER 2017 N.E.C. 110.26.
13. REFER TO SHEET E-602 FOR FEEDER SCHEDULE.
14. CONTRACTOR SHALL UTILIZE NM CABLE WHERE PERMITTED BY NEC FOR BRANCH CIRCUITS WITHIN DWELLING UNITS.
15. ALL WORK IS TO BE PERFORMED BY QUALIFIED TRADESMEN WITH EXPERIENCE IN THE TYPE OF WORK TO BE PERFORMED. ALL WORK WILL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.

SHEET KEYNOTES

L3 CIRCUIT EXTERIOR LIGHTING THROUGH LIGHTING CONTROL PANEL 'LCP-1' LOCATED IN ELECTRICAL ROOM 1303. REFER TO LIGHTING CONTROL PANEL SCHEDULE ON SHEET E-627 FOR CIRCUITING INFORMATION.



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FV/ZWD	ISSUE DATE: NOVEMBER 7, 2024
D2C PROJECT NUMBER 202102	CONSULTANTS PROJECT #
DRAWN BY: FV/ZWD	CKD BY: PMS
SBMT BY: PMS	PLOT DATE: 11/6/2024 2:33:36 PM
PLOT SCALE: As indicated	SOLICITATION NO.:
SIZE: 22" x 34"	CONTRACT NO.:
FILE NAME:	FILE NUMBER:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

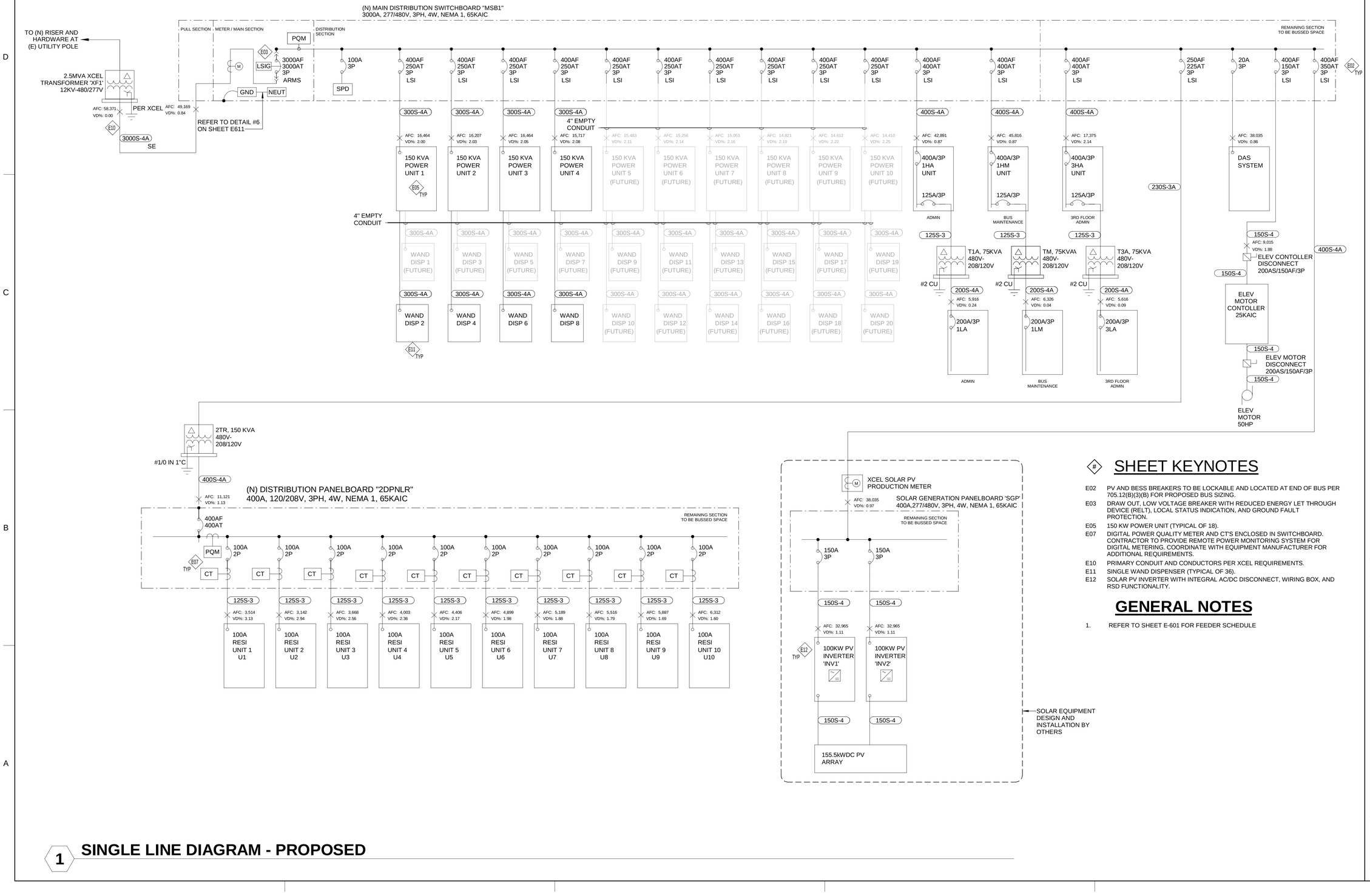
TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

ENLARGED LIGHTING PLAN - THIRD FLOOR, AREA 4

SHEET IDENTIFICATION

E-234



SHEET KEYNOTES

- E02 PV AND BESS BREAKERS TO BE LOCKABLE AND LOCATED AT END OF BUS PER 705.12(B)(3)(B) FOR PROPOSED BUS SIZING.
- E03 DRAW OUT, LOW VOLTAGE BREAKER WITH REDUCED ENERGY LET THROUGH DEVICE (RELT), LOCAL STATUS INDICATION, AND GROUND FAULT PROTECTION.
- E05 150 KW POWER UNIT (TYPICAL OF 18).
- E07 DIGITAL POWER QUALITY METER AND CT'S ENCLOSED IN SWITCHBOARD. CONTRACTOR TO PROVIDE REMOTE POWER MONITORING SYSTEM FOR DIGITAL METERING. COORDINATE WITH EQUIPMENT MANUFACTURER FOR ADDITIONAL REQUIREMENTS.
- E10 PRIMARY CONDUIT AND CONDUCTORS PER XCEL REQUIREMENTS.
- E11 SINGLE WAND DISPENSER (TYPICAL OF 36).
- E12 SOLAR PV INVERTER WITH INTEGRAL AC/DC DISCONNECT, WIRING BOX, AND RSD FUNCTIONALITY.

GENERAL NOTES

1. REFER TO SHEET E-601 FOR FEEDER SCHEDULE

1 SINGLE LINE DIAGRAM - PROPOSED

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

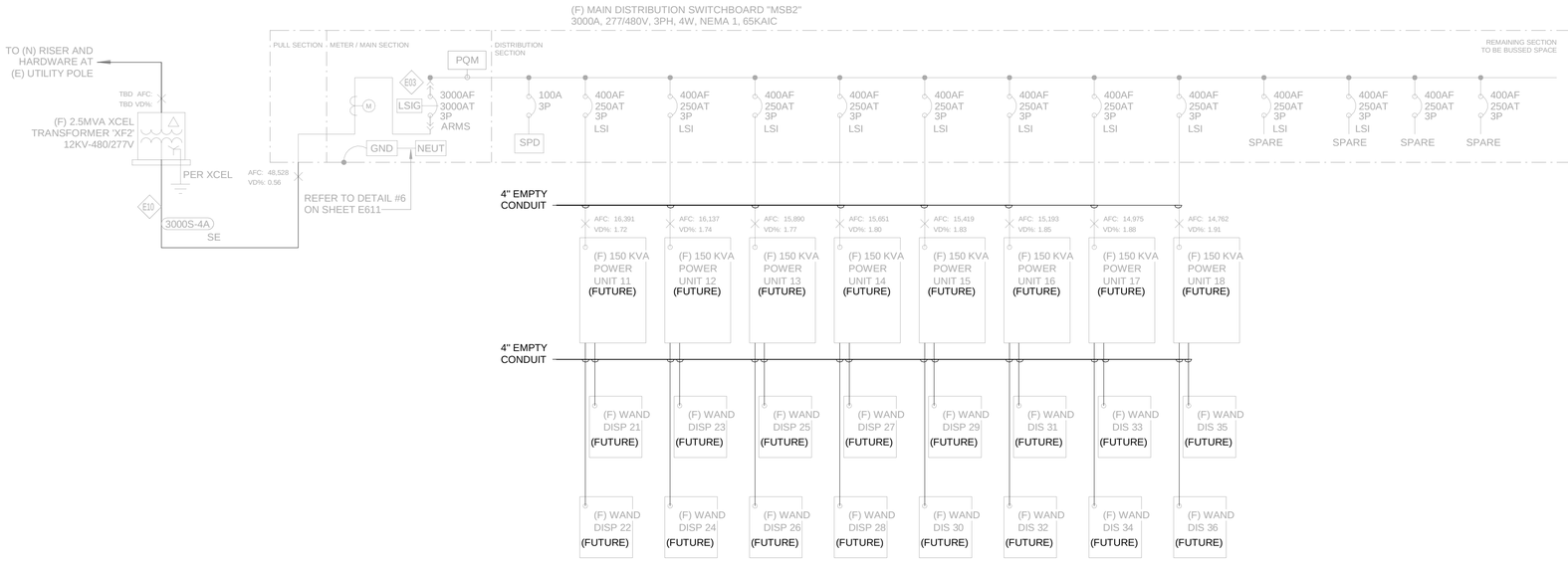
ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 2:33:38 PM
PLOT SCALE: AS SHOWN
SIZE: 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
SINGLE LINE DIAGRAM

SHEET IDENTIFICATION
E-601



1 SINGLE LINE DIAGRAM - INFRASTRUCTURE FOR FUTURE

FEEDER SCHEDULE (CU)

SCHEDULE NUMBER (2-4 DIGIT #) — ALL COPPER CONDUCTORS
RACEWAY TYPE (NOTE 5)
XXXXZ-# GND (E.G.) 150E-4 SE
SUBSCRIPT (NOTE 4)
NUMBER OF CURRENT CARRYING CONDUCTORS (1-2 DIGIT#, NOTE 3)

TAG	TYPICAL OCP DEVICE	CONDUCTOR AMPACITY	CONDUIT SIZE	CONDUCTOR (NOTE 6) SIZE (AWG)	CONDUCTOR (NOTE 6) GND (CU)	IG (CU)	SE (CU)	NOTES
15Z-#	15	15	1"	12	12	12	8	
20Z-#	20	20	1"	12	12	12	8	
30Z-#	30	30	1"	10	10	10	8	
40Z-#	40	40	1"	8	10	10	8	
50Z-#	50	55	1"	6	10	10	8	
60Z-#	60	70	1"	4	8	8	8	
70Z-#	70	70	1-1/4"	4	8	8	8	
80Z-#	80	85	1-1/4"	3	8	8	8	
90Z-#	90	85	1-1/4"	3	8	8	8	
100Z-#	100	95	1-1/4"	2	8	8	8	
125Z-#	125	130	1-1/2"	1	6	6	8	
150Z-#	150	150	2"	1/0	6	6	6	
175Z-#	175	175	2"	2/0	6	6	4	
200Z-#	200	200	2"	3/0	6	6	4	
225Z-#	225	230	3"	4/0	4	4	2	
250Z-#	250	255	3"	250	4	4	2	
300Z-#	300	310	4"	350	3	3	1/0	
350Z-#	350	335	4"	400	3	3	1/0	
400Z-#	400	400	(2) 3"	3/0	2	2	1/0	
450Z-#	450	460	(2) 3"	4/0	2	2	1/0	
500Z-#	500	510	(2) 3"	250	2	2	1/0	
600Z-#	600	620	(2) 3"	350	1	1	2/0	
700Z-#	700	670	(2) 4"	400	1/0	1/0	2/0	
800Z-#	800	840	(3) 3"	300	1/0	1/0	3/0	
3000Z-#	3000	3040	(8) 4"	500	400	400	3/0	

FEEDER SCHEDULE (AL)

SCHEDULE NUMBER (2-4 DIGIT #) — ALL ALUMINUM CONDUCTORS
RACEWAY TYPE (NOTE 5)
ALUMINUM CONDUCTOR
XXXXZ-#A GND (E.G.) 150E-4A SE
SUBSCRIPT (NOTE 4)
NUMBER OF CURRENT CARRYING CONDUCTORS (1-2 DIGIT#, NOTE 3)

TAG	TYPICAL OCP DEVICE	CONDUCTOR AMPACITY	CONDUIT SIZE	CONDUCTOR (NOTE 6) SIZE (AWG)	CONDUCTOR (NOTE 6) GND (AL)	IG (AL)	SE (AL)	NOTES
200Z-#A	200	205	3"	250	4	4	2	
230Z-#A	225	230	3"	300	2	2	1/0	
250Z-#A	250	250	4"	350	2	2	1/0	
300Z-#A	300	310	4"	500	2	2	1/0	
350Z-#A	350	340	4"	600	1	1	3/0	
400Z-#A	400	410	(2) 3"	250	1	1	3/0	
450Z-#A	450	460	(2) 3"	300	1/0	1/0	4/0	
500Z-#A	500	500	(2) 3"	350	1/0	1/0	4/0	
600Z-#A	600	620	(2) 4"	500	2/0	2/0	250	
700Z-#A	700	690	(3) 3"	300	3/0	3/0	250	
800Z-#A	800	810	(3) 3"	400	3/0	3/0	250	
900Z-#A	900	930	(3) 4"	500	4/0	4/0	250	
1000Z-#A	1000	1000	(4) 3"	350	4/0	4/0	250	
1200Z-#A	1200	1250	(5) 3"	350	250	250	250	
3000Z-#A	3000	3150	(9) 3.5"	500	600	600	600	

SHEET KEYNOTES

E03 DRAW OUT, LOW VOLTAGE BREAKER WITH REDUCED ENERGY LET THROUGH DEVICE (RELT), LOCAL STATUS INDICATION, AND GROUND FAULT PROTECTION.

E10 PRIMARY CONDUIT AND CONDUCTORS PER XCEL REQUIREMENTS.

FEEDER SCHEDULE NOTES:

1. GROUND "GND" CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
2. EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED PER TABLE 250-122 (NEC 2017) WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
3. INDICATES THE QUANTITY OF CURRENT CARRYING CONDUCTORS (GROUND CONDUCTORS NOT INCLUDED) TO BE PULLED IN EACH RACEWAY.
4. GROUNDING SUBSCRIPTS ARE AS FOLLOWS:

   NO SUBSCRIPT = PROVIDE GROUND WIRE SIZE PER "GND" COLUMN
   R =PROVIDE RACEWAY ONLY, CONDUCTORS FURNISHED AND INSTALLED BY OTHERS
   SE = SERVICE ENTRANCE OR TRANSFORMER SECONDARY, PROVIDE
   IG = PROVIDE AN ISOLATED GROUND CONDUCTOR PER "IG" COLUMN
   NG = DO NOT PROVIDE GROUNDING CONDUCTOR IN RACEWAY.
5. RACEWAY SUBSCRIPTS "Z" ARE AS FOLLOWS:

   P = PVC SCH-40 OR SCH-80
   E = EMT
   R = RIGID
   AF = ALUMINUM FLEX
   SF = STEELE FLEX
   LT = LIQUID TIGHT FLEX
   C= CABLE TRAY (SIZE SHOWN ON CABLE TRAY PLAN SHEET
   S = SEE SPECIFICATIONS FOR REQUIRED TYPE BASED ON USE AND LOCATION.
   SE = SERVICE ENTRANCE RATED (SER) CABLE

   *FAULT CURRENT CALCULATIONS BASED ON NON-MAGNETIC CONDUIT WORSE CASE SCENARIO.
6. ALL CONDUCTORS SHOWN ARE THWN UNLESS OTHERWISE NOTED.
7. CONDUCTORS RATED 200 AMPS AND OVER SHALL BE STRANDED ALUMINUM UNLESS NOTED OTHERWISE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

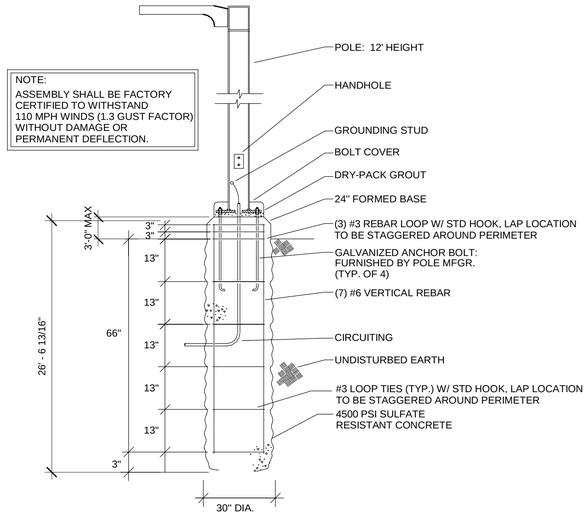
ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: FV/ZWD
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:31:20 AM
PLOT SCALE: 1" = 1'-0"
SIZE: 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

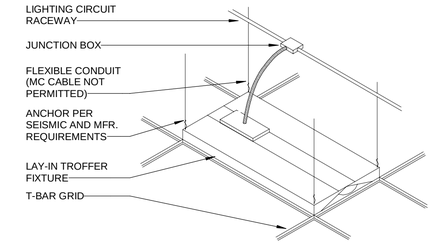
SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
SINGLE LINE DIAGRAM

SHEET IDENTIFICATION
E-602



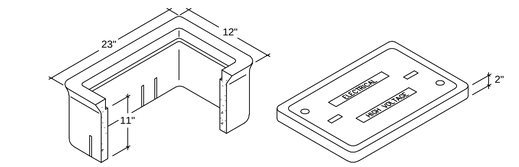
6 LIGHT POLE DETAIL

N.T.S



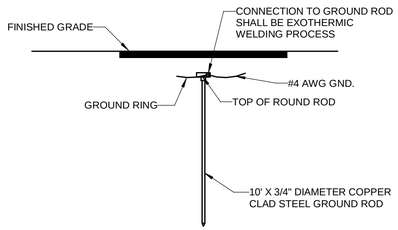
5 RECESSED TROFFER MOUNTING DETAIL

N.T.S



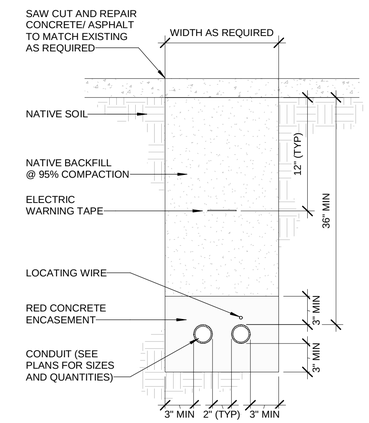
4 PULL BOX DETAIL

N.T.S



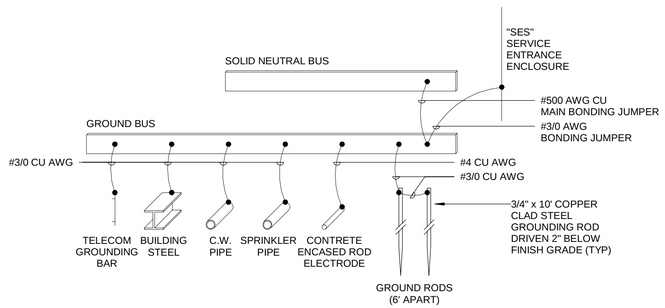
3 GROUNDING ROD DETAIL

N.T.S



2 TRENCH DETAIL

N.T.S



1 TYPICAL SERVICE ENTRANCE GROUNDING DETAIL

N.T.S

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FV/ZWD	ISSUE DATE: NOVEMBER 7, 2024
D2C PROJECT NUMBER 202102	CONSULTANTS PROJECT #
DRAWN BY: FV/ZWD	CKD BY: PMS
SBMT BY: PMS	PLOT DATE: 11/6/2024 11:31:23 AM
PLOT SCALE: As noted	FILE NUMBER:
SIZE: 22" x 34"	FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

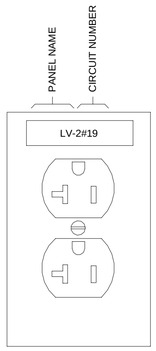
TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

ELECTRICAL DETAILS

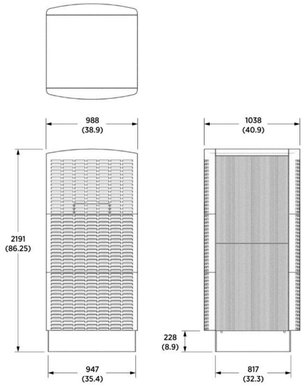
SHEET IDENTIFICATION

E-611



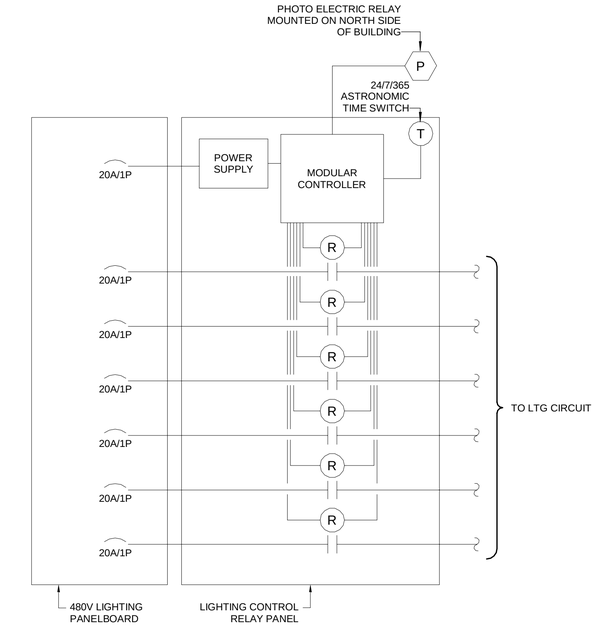
6 RECEPTACLE LABEL DETAIL

N.T.S



5 LEVEL 3 EV CHARGER CUTSHEET - CHARGEPOINT EXPRESS PLUS POWER BLOCK

N.T.S

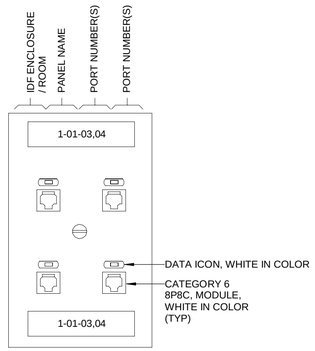


NOTES:

1. CONTRACTOR SHALL VERIFY ALL CIRCUIT INFORMATION AND CONFIRM LOADS ON PANEL, PRIOR TO CONNECTING CIRCUITS. PROVIDE AND INSTALL NEW CABLING TO NEW EQUIPMENT AND PROVIDE UPDATED PANEL SCHEDULE AS NECESSARY.

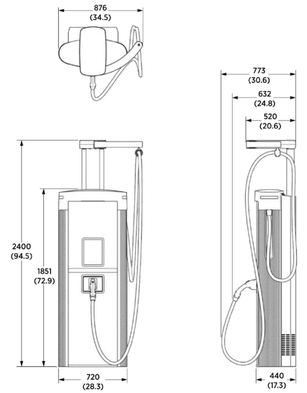
4 LIGHTING CONTROL PANEL DETAIL

N.T.S



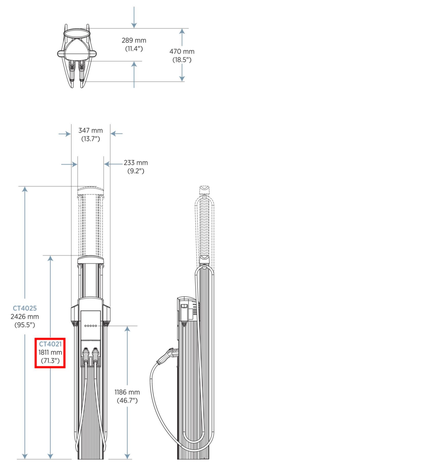
3 TELECOM LABEL DETAIL

N.T.S



2 LEVEL 3 EV CHARGER CUTSHEET - CHARGEPOINT EXPRESS PLUS POWERLINK 2000

N.T.S



1 LEVEL 2 EV CHARGER CUTSHEET - CHARGEPOINT CT4021

N.T.S

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FVZ/DVD
D2C PROJECT NUMBER 202102
DRAWN BY: FVZ/DVD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:31:25 AM
PLOT SCALE: 1'-1" = 1'-1"
SIZE: 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
ELECTRICAL DETAILS

SHEET IDENTIFICATION
E-612

FUTURE SWITCHBOARD: MSB2

LOCATION: ELECTRICAL 1303
SUPPLY FROM: UTILITY XFMR
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 480/277 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: 65K
MAINS TYPE: MCB
MAINS RATING: 3000 A
MCB RATING: 3000 A

CKT	CIRCUIT DESCRIPTION	# OF POLES	FRAME SIZE	TRIP RATING	LOAD	REMARKS
1	SPD	3	100 A	100 A	10000 VA	
2	PU11	3	400 A	250 A	150000 VA	
3	PU12	3	400 A	250 A	150000 VA	
4	PU13	3	400 A	250 A	150000 VA	
5	PU14	3	400 A	250 A	150000 VA	
6	PU15	3	400 A	250 A	150000 VA	
7	PU16	3	400 A	250 A	150000 VA	
8	PU17	3	400 A	250 A	150000 VA	
9	PU18	3	400 A	250 A	150000 VA	
10	SPARE	1	400 A	20 A	0 VA	
11	SPARE	1	400 A	250 A	0 VA	
12	SPARE	1	400 A	250 A	0 VA	
13	SPARE	1	400 A	250 A	0 VA	
14	SPACE	1	--	--	--	
15	SPACE	1	--	--	--	
16	SPACE	1	--	--	--	
17	SPACE	1	--	--	--	
18	SPACE	1	--	--	--	
19	SPACE	1	--	--	--	
20	SPACE	1	--	--	--	
21						
				TOTAL CONN. LOAD:	1210000 VA	
				TOTAL AMPS:	1455 A	

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	1210000 VA	100.00%	1210000 VA		
				TOTAL CONN. LOAD:	1210000 VA
				TOTAL EST. DEMAND:	1210000 VA
				TOTAL CONN.:	1455 A
				TOTAL EST. DEMAND:	1455 A

NOTES:

SWITCHBOARD: MSB1

LOCATION: ELECTRICAL 1303
SUPPLY FROM: UTILITY XFMR
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

480/277 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: 65KAIC
MAINS TYPE: MCB
MAINS RATING: 3000 A
MCB RATING: 3000 A

CKT	CIRCUIT DESCRIPTION	# OF POLES	FRAME SIZE	TRIP RATING	LOAD	REMARKS
1	SPD	3	100 A	100 A	10000 VA	
2	PU1	3	400 A	250 A	150000 VA	
3	PU2	3	400 A	250 A	150000 VA	
4	PU3	3	400 A	250 A	150000 VA	
5	PU4	3	400 A	250 A	150000 VA	
6	PU5	3	400 A	250 A	150000 VA	
7	PU6	3	400 A	250 A	150000 VA	
8	PU7	3	400 A	250 A	150000 VA	
9	PU8	3	400 A	250 A	150000 VA	
10	PU9	3	400 A	250 A	150000 VA	
11	PU10	3	400 A	250 A	150000 VA	
12	PANEL '1HA'	3	400 A	400 A	57090 VA	
13	PANEL '1HM'	3	400 A	400 A	141593 VA	
14	PANEL '3HA'	3	400 A	400 A	254649 VA	
15	XFMR '2TR'	3	250 A	225 A	93934 VA	
16	DAS	3	20 A	20 A	10000 VA	
17	SGP	3	400 A	350 A	0 VA	
18	ELEV	3	400 A	150 A	64485 VA	
19	SPARE	1	400 A	20 A	0 VA	
20	SPARE	1	400 A	20 A	0 VA	
21						
				TOTAL CONN. LOAD:	2131694 VA	
				TOTAL AMPS:	2564 A	

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	1677111 VA	100.00%	1677111 VA		
HVAC	283916 VA	100.00%	283916 VA	TOTAL CONN. LOAD:	2131694 VA
Other	1325 VA	100.00%	1325 VA	TOTAL EST. DEMAND:	2138820 VA
RECEPTACLE	53615 VA	59.33%	31808 VA	TOTAL CONN.:	2564 A
Power	94604 VA	125.00%	118255 VA	TOTAL EST. DEMAND:	2573 A
LIGHTING	21545 VA	125.00%	26931 VA		

NOTES:

SWITCHBOARD: 2DPNLR

LOCATION:
SUPPLY FROM: XFMR 2TR
MOUNTING: RECESSED
ENCLOSURE: NEMA 1

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

A.I.C. RATING:
MAINS TYPE: MCB
MAINS RATING: 400 A
MCB RATING: 400 A

CKT	CIRCUIT DESCRIPTION	# OF POLES	FRAME SIZE	TRIP RATING	LOAD	REMARKS
1	U1	2	100 A	100 A	16220 VA	
2	U2	2	100 A	100 A	17780 VA	
3	U3	2	100 A	100 A	17789 VA	
4	U4	2	100 A	100 A	17429 VA	
5	U5	2	100 A	100 A	17429 VA	
6	U6	2	100 A	100 A	17429 VA	
7	U7	2	100 A	100 A	17429 VA	
8	U8	2	100 A	100 A	17429 VA	
9	U9	2	100 A	100 A	18929 VA	
10	U10	2	100 A	100 A	16409 VA	
11	SPACE	1	--	--	--	
12	SPACE	1	--	--	--	
13	SPACE	1	--	--	--	
14	SPACE	1	--	--	--	
15	SPACE	1	--	--	--	
16	SPACE	1	--	--	--	
17	SPACE	1	--	--	--	
18	SPACE	1	--	--	--	
19	SPACE	1	--	--	--	
20	SPACE	1	--	--	--	
21						
				TOTAL CONN. LOAD:	174271 VA	
				TOTAL AMPS:	484 A	

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-634 FOR CALCULATED LOAD ON THIS PANEL.

MSB2	MSB1
-	2DPNLR

D2C ARCHITECTS

Kimley»Horn

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PLOT SCALE:
FILE NAME:
SIZE: 22" x 34"

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
PANEL SCHEDULES

SHEET IDENTIFICATION
E-621

BRANCH PANEL: 1LM

LOCATION: ELECTRICAL 1303
SUPPLY FROM: TM
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

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

A.I.C. RATING: 10K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	ROLL UP DOOR S 1	20 A	1	1500 VA			1	20 A	ROLL UP DOOR S 2	2
3	ROLL UP DOOR S 3	20 A	1		1500 VA		1	20 A	ROLL UP DOOR S 4	4
5	ROLL UP DOOR S 5	20 A	1			1500 VA	1	20 A	ROLL UP DOOR S 6	6
7	ROLL UP DOOR N 1	20 A	1	1500 VA			1	20 A	ROLL UP DOOR N 2	8
9	ROLL UP DOOR N 3	20 A	1		1500 VA		1	20 A	ROLL UP DOOR N 4	10
11	ROLL UP DOOR N 5	20 A	1			1500 VA	1	20 A	ROLL UP DOOR N 6	12
13	EXT S. WP RECEPTS 1	20 A	1	720 VA			1	20 A	EXT S. WP RECEPTS 2	14
15	EXT N. WP RECEPTS 1	20 A	1		720 VA		1	20 A	EXT N. WP RECEPTS 2	16
17	IR 1	20 A	1			1020 VA	1	20 A	IR 2	18
19	IR 3	20 A	1	900 VA			1	20 A	IR 4	20
21	LEVEL 1 ELEC RM RECEPT	20 A	1		540 VA		1	20 A	EDF BUS MAINT. 1	22
23	TOOL STORAGE RECPT	20 A	1			540 VA	1	20 A	BOILER B-1	24
25	BOILER B-2	20 A	1	150 VA			1	20 A	CP-1	26
27	CP-2	20 A	1		168 VA		1	20 A	WH-1	28
29	WH-2	20 A	1			168 VA	1	20 A	ROLL UP DOOR ELEC SHOP	30
31	ELEV PIT RECPET	20 A	1	180 VA			1	20 A	SUMP PUMP RECEPT	32
33	LOBBY/STORAGE RECEPTS	20 A	1		360 VA		1	20 A	FIRE ALARM CONTROL PANEL	34
35	BAS	20 A	1			0 VA	1	20 A	EDF BUS MAINT. 2	36
37	UV-2	35 A	1	3203 VA			1	20 A	UV-3	38
39	GFT-S1	20 A	1		168 VA		2	40 A	EV CHARGER 3	40
41	SPARE					3327 VA				42
43				3327 VA			2	40 A	EV CHARGER 4	44
45					3327 VA					46
47									SPARE	48
49										50
51										52
53	SPARE	20 A	1			0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA			1	20 A	SPARE	56
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59	SPACE	--	1			--	1	--	SPACE	60
61	SPACE	--	1	--			1	--	SPACE	62
63	SPACE	--	1		--		1	--	SPACE	64
65	SPACE	--	1			--	1	--	SPACE	66
67	SPACE	--	1	--			1	--	SPACE	68
69	SPACE	--	1		--		1	--	SPACE	70
71	SPACE	--	1			--	1	--	SPACE	72
73	SPACE	--	1	--			1	--	SPACE	74
75	SPACE	--	1		--		1	--	SPACE	76
77	SPACE	--	1			--	1	--	SPACE	78
79	SPACE	--	1	--			1	--	SPACE	80
81	SPACE	--	1		--		1	--	SPACE	82
83	SPACE	--	1			--	1	--	SPACE	84
	TOTAL LOAD:			18787 VA	15798 VA	13785 VA				
	TOTAL AMPS:			159 A	134 A	115 A				

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS	
EQUIPMENT	33168 VA	100.00%	33168 VA		
HVAC	10102 VA	100.00%	10102 VA	TOTAL CONN. LOAD:	48370 VA
Other	0 VA	0.00%	0 VA	TOTAL EST. DEMAND:	48475 VA
RECEPTACLE	4680 VA	100.00%	4680 VA	TOTAL CONN.:	134 A
Power	420 VA	125.00%	525 VA	TOTAL EST. DEMAND:	135 A

NOTES:

BRANCH PANEL: 1HM

LOCATION: ELECTRICAL 1303
SUPPLY FROM: MSB1
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 480/277 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: 65K
MAINS TYPE: MCB
MAINS RATING: 400 A
MCB RATING: 400 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				18787 VA	2105 VA					2
3	XFMR 'TM'	125 A	3			15798 VA	2105 VA	3	20 A	HWP-S1	4
5							13785 VA	2105 VA			6
7				833 VA	2105 VA						8
9	WH-3	20 A	3			833 VA	2105 VA	3	20 A	HWP-1	10
11							833 VA	2105 VA			12
13				6667 VA	2105 VA						14
15	IWH-1 WATER HEATER	30 A	3			6667 VA	2105 VA	3	20 A	HWP-2	16
17							6667 VA	2105 VA			18
19				1533 VA	4500 VA			1	25 A	VAV 1-2	20
21	EQ 1101 HVLS-1	20 A	3			1533 VA	3500 VA	1	20 A	VAV 1-3	22
23							1533 VA	1994 VA	1	30 A	VAV 1-4	24
25				1533 VA	1533 VA						26
27	EQ HVLS-2	20 A	3			1533 VA	1533 VA	3	20 A	EQ 1101 HVLS-3	28
29							1533 VA	1533 VA			30
31				1533 VA	3940 VA			1	20 A	MAINT BAY LTG 1	32
33	EQ 1101 HVLS-4	20 A	3			1533 VA	4137 VA	1	20 A	MAINT BAY LTG 2	34
35							1533 VA	45 VA	1	20 A	LEVEL 1 EM LTG	36
37	STOR/JAN LTG/STAIR	20 A	1	60 VA	2561 VA			1	20 A	MAINT BAY LTG EM	38
39	EXTERIOR WALL LTG N	20 A	1			204 VA	204 VA	1	20 A	EXTERIOR WALL LTG S	40
41	LIGHTING	20 A	1					500 VA	330 VA	1	20 A	CANOPY LTG	42
43	EXT EGRESS LTG E.	20 A	1	121 VA	576 VA						44
45	EXT EGRESS LTG W.	20 A	1			48 VA	576 VA	3	20 A	VACUUM PUMP 1	46
47							576 VA	576 VA			48
49	VACUUM PUMP 3	20 A	3	576 VA	576 VA						50
51						576 VA	576 VA	3	20 A	VACUUM PUMP 2	52
53							576 VA	576 VA			54
55	VACUUM PUMP 4	20 A	3	576 VA	3500 VA			1	20 A	VAV 1-1	56
57						576 VA	0 VA	1	20 A	SPARE	58
59							576 VA	0 VA	1	20 A	SPARE	60
61	HVAC	20 A	3	576 VA	0 VA						62
63						576 VA	0 VA	1	20 A	SPARE	64
65	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	66
67	SPARE	20 A	1	0 VA	0 VA						68
69	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	70
71	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	72
73	SPARE	20 A	1	0 VA	0 VA						74
75	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	76
77	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	78
79	SPARE	20 A	1	0 VA	0 VA						80
81	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	82
83	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	84
	TOTAL LOAD:			56154 VA		46304 VA			39136 VA			
	TOTAL AMPS:			207 A		171 A			141 A			

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS	
EQUIPMENT	52114 VA	100.00%	52114 VA		
HVAC	73136 VA	100.00%	73136 VA	TOTAL CONN. LOAD:	141593 VA
Other	0 VA	0.00%	0 VA	TOTAL EST. DEMAND:	144510 VA
RECEPTACLE	4680 VA	100.00%	4680 VA	TOTAL CONN.:	170 A
Power	420 VA	125.00%	525 VA	TOTAL EST. DEMAND:	174 A
LIGHTING	11283 VA	125.00%	14103 VA		

NOTES:

1LM	1HM
-	-

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
SBMT BY: PMS
PLOT SCALE:
CKD BY: PMS
PLOT DATE: 11/6/2024 11:31:28 AM
FILE NAME:
SIZE: 22" x 34"

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
PANEL SCHEDULES

SHEET IDENTIFICATION
E-622

BRANCH PANEL: 1LA

LOCATION: ELECTRICAL 1303
SUPPLY FROM: T1A
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

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

A.I.C. RATING: 65K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	ELEC SHOP GEN RECEPT	20 A	1	900 VA	3327 VA		2	40 A	EV CHARGER 1	2
3	ELEC SHOP RECEPTS A	20 A	1		540 VA	3327 VA				4
5	ELEC SHOP QUAD A	20 A	1			360 VA	3327 VA	2	40 A	EV CHARGER 2	6
7	ELEC SHOP QUADS B	20 A	1	720 VA	3327 VA						8
9	RESTROOM AUTO FLUSH	20 A	1		600 VA	116 VA	2	20 A	BC-1	10
11	RESTROOM SINK AUTO...	20 A	1			720 VA	116 VA				12
13	ELEC SHOP RECEPTS 1	20 A	1	1260 VA	116 VA		2	20 A	BC-2	14
15	ELEC SHOP RECEPTS 2	20 A	1		720 VA	116 VA				16
17	ELEC SHOP RECEPTS 3	20 A	1			720 VA	3952 VA	1	20 A	ELEV LTG/GEN POWER	18
19	ELEC SHOP RECEPTS 4	20 A	1	360 VA	540 VA			1	20 A	EXT WP RECEPT E. 1	20
21	ELEC SHOP RECEPTS 5	20 A	1		360 VA	180 VA		1	20 A	EXT. WP RECEPT E. 2	22
23	ELEC SHOP RECEPTS 6	20 A	1			540 VA	720 VA	1	20 A	I.T. 1302	24
25	LEVEL 1 SMALL OFFICE	20 A	1	720 VA	540 VA			1	20 A	CO BUS BAY WP	26
27	DISPATCH DESK RECEPTS 1	20 A	1		900 VA	720 VA		1	20 A	RESTROOM RECEPT	28
29	DISPATCH DESK RECPETS 2	20 A	1			1080 VA	720 VA	1	20 A	PADDEL PICKUP RECEPTS	30
31	DISPATCH DESK RECEPTS 3	20 A	1	1080 VA	800 VA			1	20 A	QUIET/NURSING REF	32
33	DISPATCH DESK RECEPTS 4	20 A	1		1080 VA	720 VA		1	20 A	GEN RECEPT CIRCULATION	34
35	DISPATCH DESK RECEPTS 5	20 A	1			1080 VA	180 VA	1	20 A	LEVEL 1 EDF CIRCULATION	36
37	BREAKROOM KITCHEN RECEP...	20 A	1	360 VA	1080 VA			1	20 A	LEVEL 2 CORRIDOOR RECEPTS	38
39	FSD-1 (1)	20 A	1		200 VA	200 VA		1	20 A	FSD-2 (1)	40
41	FSD-3 (1)	20 A	1			200 VA	200 VA	1	20 A	FSD-4 (1)	42
43	FSD-5 (1)	20 A	1	200 VA	200 VA			1	20 A	FSD-7 (1)	44
45	FSD-6 (1)	20 A	1		200 VA	200 VA		1	20 A	FSD-12 (1)	46
47	FSD-13 (1)	20 A	1			200 VA	200 VA	1	20 A	FSD-14 (1)	48
49	FSD-15 (1)	20 A	1	200 VA	200 VA			1	20 A	FSD-16 (1)	50
51	BMS	20 A	1		250 VA	1317 VA					52
53	UV-1	25 A	1			2159 VA	1317 VA	3	20 A	ELEV HEATING/AC	54
55	WATER ENTRY RECEPT A	20 A	1	720 VA	1317 VA						56
57	WATER ENTRY RECEPT B	20 A	1		360 VA	1000 VA		1	20 A	HEAT TRACE - N 2ND FLR	58
59	FACP - WATER ENTRY RM (1)	20 A	1			500 VA	1500 VA	1	20 A	HEAT TRACE - S 2ND FLR	60
61	BATHROOM LTG	20 A	1	18 VA	1000 VA			1	20 A	HEAT TRACE - W 3RD FLR	62
63	SPARE	20 A	1		0 VA	1000 VA		1	20 A	HEAT TRACE - E 3RD FLR	64
65	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	66
67	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	68
69	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	70
71	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	72
73	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	74
75	SPARE	20 A	1		0 VA	0 VA		1	20 A	SPARE	76
77	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	78
79	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	80
81	SPACE	--	1		--	--		1	--	SPACE	82
83	SPACE	--	1			--	--	1	--	SPACE	84
		TOTAL LOAD:		18985 VA	14106 VA	19791 VA					
		TOTAL AMPS:		164 A	118 A	171 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS	
EQUIPMENT	29262 VA	100.00%	29262 VA		
HVAC	2623 VA	100.00%	2623 VA	TOTAL CONN. LOAD:	52883 VA
Other	200 VA	100.00%	200 VA	TOTAL EST. DEMAND:	47498 VA
RECEPTACLE	20780 VA	74.06%	15390 VA	TOTAL CONN.:	147 A
LIGHTING	18 VA	125.00%	23 VA	TOTAL EST. DEMAND:	132 A

NOTES:
1. PROVIDE RED, 'LOCKED-ON' CIRCUIT BREAKER FOR USE WITH FIRE ALARM EQUIPMENT.

BRANCH PANEL: 1HA

LOCATION: ELECTRICAL 1303
SUPPLY FROM: MSB1
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 480/277 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: 65K
MAINS TYPE: MCB
MAINS RATING: 400 A
MCB RATING: 400 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				18985 VA	2083 VA		1	20 A	LEVEL 1 ADMIN LTG	2
3	XFMR 'T1A'	125 A	3			14106 VA	514 VA	1	20 A	ADMIN EM LTG	4
5							19791 VA	321 VA	1	20 A	LEVEL 2 EM LTG	6
7	LTG PARKING	20 A	1	1463 VA	539 VA				1	20 A	LEVEL 2 GEN LTG	8
9	ELEV EQUIP RM LTG	20 A	1			20 VA	30 VA		1	20 A	ELEV PIT LTG	10
11	LEVEL 2 STAIR LTG	20 A	1					30 VA	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
43	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	44
45	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
61	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	62
63	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	64
65	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	66
67	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	68
69	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	70
71	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	72
73	SPACE	--	1	--	--					1	--	SPACE	74
75	SPACE	--	1			--	--			1	--	SPACE	76
77	SPACE	--	1					--	--	1	--	SPACE	78
79	SPACE	--	1	--	--					1	--	SPACE	80
81	SPACE	--	1			--	--			1	--	SPACE	82
83	SPACE	--	1					--	--	1	--	SPACE	84
		TOTAL LOAD:		22478 VA		14552 VA			20108 VA				
		TOTAL AMPS:		84 A		53 A			76 A				

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS	
EQUIPMENT	29262 VA	100.00%	29262 VA		
HVAC	2623 VA	100.00%	2623 VA	TOTAL CONN. LOAD:	57090 VA
Other	200 VA	100.00%	200 VA	TOTAL EST. DEMAND:	52781 VA
RECEPTACLE	20780 VA	74.06%	15390 VA	TOTAL CONN.:	69 A
LIGHTING	4875 VA	125.00%	6094 VA	TOTAL EST. DEMAND:	63 A

NOTES:

1LA	1HA
-	-

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT SCALE:
PLOT DATE: 11/6/2024 2:33:40 PM
FILE NAME:
SIZE: 22" x 34"

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
PANEL SCHEDULES

SHEET IDENTIFICATION
E-623

E-623-

BRANCH PANEL: 3LA

LOCATION: ELEC 3221
SUPPLY FROM: 3TA
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

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

A.I.C. RATING: 65K
MAINS TYPE: MCB
MAINS RATING: 200 A
MCB RATING: 200 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	LARGE OFFICE 3102	20 A	1	900 VA	900 VA					1	20 A	LARGE OFFICE 3103	2
3	LARGE OFFCIE 3104	20 A	1			900 VA	900 VA			1	20 A	LARGE OFFICE 3105	4
5	CONFERENCE RM 3106	20 A	1					790 VA	540 VA	1	20 A	SMALL OFFICE 3107	6
7	SMALL OFFICE 3205	20 A	1	540 VA	540 VA					1	20 A	SMALL OFFICE 3206	8
9	SMALL OFFICE 3207	20 A	1			540 VA	540 VA			1	20 A	SMALL OFFICE 3208	10
11	SMALL OFFICE 3209	20 A	1					540 VA	540 VA	1	20 A	SMALL OFFICE 3210	12
13				1125 VA	1125 VA								14
15	OPEN OFFICE 3101 DESKS 1	20 A	3			0 VA	0 VA			3	20 A	OPEN OFFICE 3101 DESKS 2	16
17								0 VA	0 VA				18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21						1125 VA	375 VA			1	20 A	PWR 3112 FURNITURE	22
23	OPEN OFFCIE 3101 DESKS 3	20 A	3					0 VA	375 VA	1	20 A	PWR 3112 FURNITURE	24
25				0 VA	375 VA					1	20 A	PWR 3112 FURNITURE	26
27	SPARE	20 A	1			0 VA	540 VA			1	20 A	LEVEL 3 GEN RECEPTS	28
29	JAN 3109	20 A	1					180 VA	720 VA	1	20 A	PRINT 3101A RECEPTS 2	30
31	PRINT 3101A RECEPTS	20 A	1	720 VA	720 VA					1	20 A	QUIET/NURSING 3110	32
33	PRINTER 3101A PRINTER	20 A	1			1500 VA	60 VA			1	20 A	EF-4	34
35	I.T. RECEPT	20 A	1					360 VA	360 VA	1	20 A	LEVEL 3 MECH RM RECEPTS	36
37	LEVEL 3 GEN RECEPTS CIRU.	20 A	1	360 VA	540 VA					1	20 A	ROOF RECEPTS	38
39	MULTI. PURP. RM DESKS 1	20 A	1			1440 VA	1080 VA			1	20 A	MULTI. PURP. GEN RECPETS 2	40
41	MULTI. PURP. GEN RECPETS	20 A	1					900 VA	540 VA	1	20 A	LEVEL 3 RESTROOM RECEPTS	42
43	LEVEL 3 GEN RECEPTS CIRU.	20 A	1	540 VA	540 VA					1	20 A	RESTROOM SINK AUTO...	44
45	RESTROOM AUTO FLUSH	20 A	1			150 VA	800 VA			1	20 A	BREAKROOM REF 2	46
47	BREAKROOM REF 1	20 A	1					800 VA	1200 VA	1	20 A	BREAKROOM MICRO 2	48
49	BREAKROOM MICRO 1	20 A	1	1200 VA	500 VA					1	20 A	DW/DISP	50
51	BREAKROOM KITCHEN RECEP...	20 A	1			1200 VA	1750 VA			2	20 A	BREAKROOM OVEN	52
53	BREAKROOM RANGE	20 A	2					1750 VA	1750 VA				54
55				1750 VA	180 VA					1	20 A	BREAKROOM VEND A (2)	56
57	BREAKROOM GEN RECEPT	20 A	1			720 VA	180 VA			1	20 A	LEVEL 3 EDF	58
59	BREAKROOM VEND B (2)	20 A	1					180 VA	1581 VA	2	25 A	CU-4	60
61	EF-2	20 A	1	696 VA	1581 VA								62
63	MULTI. PURP. STOR. RECEPTS	20 A	1			180 VA	540 VA			1	20 A	LEVEL 3 CIRCULATION...	64
65	MULTI. PURP. RM RECEPT	20 A	1					360 VA	75 VA	1	20 A	EF-1	66
67	MULTI. PURP. RM DESK 2	20 A	1	360 VA	1581 VA					2	25 A	CU-3	68
69	PATIO RECEPT	20 A	1			180 VA	1581 VA						70
71	FSD-8 (1)	20 A	1					200 VA	200 VA	1	20 A	FSD-10 (1)	72
73	FSD-9 (1)	20 A	1	200 VA	2736 VA					2	25 A	HP-1	74
75	FSD-11 (1)	20 A	1			200 VA	2736 VA						76
77	RM 3202 RECEPTS	20 A	1					540 VA	77 VA	1	20 A	LIGHTING	78
79	SPACE	--	1	--	--					1	--	SPACE	80
81	SPACE	--	1			--	--			1	--	SPACE	82
			TOTAL LOAD:	19708 VA		19217 VA		14557 VA					
			TOTAL AMPS:	170 A		166 A		121 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS	
EQUIPMENT	11250 VA	100.00%	11250 VA		
HVAC	12625 VA	100.00%	12625 VA	TOTAL CONN. LOAD:	53482 VA
Other	1125 VA	100.00%	1125 VA	TOTAL EST. DEMAND:	44486 VA
RECEPTACLE	28155 VA	67.76%	19078 VA	TOTAL CONN.:	148 A
Power	250 VA	125.00%	313 VA	TOTAL EST. DEMAND:	123 A
LIGHTING	77 VA	125.00%	96 VA		

NOTES:
1. PROVIDE RED, 'LOCKED-ON' CIRCUIT BREAKER FOR USE WITH FIRE ALARM EQUIPMENT.
2. CIRCUIT BREAKER SHALL BE CLASS A, GFCI PROTECTED.

BRANCH PANEL: 3HA

LOCATION: ELEC 3221
SUPPLY FROM: MSB1
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 480/277 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: 65K
MAINS TYPE: MCB
MAINS RATING: 400 A
MCB RATING: 400 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				19708 VA	3790 VA					1	20 A	LEVEL 3 OFFICE LTG	2
3	XFMR 3TA	125 A	3			19217 VA	564 VA			1	20 A	LEVEL 3 BREAKROOM/PATIO...	4
5								14557 VA	240 VA	1	20 A	LEVEL 3 MECH LTG	6
7	LEVEL 3 GEN LTG	20 A	1	463 VA	841 VA					1	20 A	LEVEL 3 EM LTG	8
9	ELEV SHAFT LTG	20 A	1			30 VA	6000 VA			1	30 A	VAV 2-2	10
11	VAV 2-1	35 A	1					7500 VA	2500 VA	1	20 A	VAV 2-3	12
13	VAV 2-4	20 A	1	3500 VA	2500 VA					1	15 A	VAV 2-5	14
15	VAV 2-6	20 A	1			1500 VA	4000 VA			1	20 A	VAV 2-6	16
17	VAV 1-5	30 A	1					6500 VA	2000 VA	1	15 A	VAV 1-6	18
19				4033 VA	3878 VA								20
21	EQ AHU-1 SUPPLY FAN	30 A	3			4033 VA	3878 VA			3	30 A	EQ AHU-1 EXHAUST FAN	22
23								4033 VA	3878 VA				24
25				3191 VA	3047 VA								26
27	EQ AHU-2 SUPPLY FAN	25 A	3			3191 VA	3047 VA			3	25 A	EQ AHU-2 EXHAUST FAN	28
29								3191 VA	3047 VA				30
31				8930 VA	8930 VA								32
33	ERV-1	45 A	3			8930 VA	8930 VA			3	45 A	ERV-2	34
35								8930 VA	8930 VA				36
37				10415 VA	6656 VA								38
39	CU-1R	70 A	3			10415 VA	6656 VA			3	70 A	CU-1	40
41								10415 VA	6656 VA				42
43				4096 VA	0 VA					1	20 A	SPARE	44
45	CU-2	40 A	3			4096 VA	0 VA			1	20 A	SPARE	46
47								4096 VA	0 VA	1	20 A	SPARE	48
49	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	50
51	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	52
53	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	54
55	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	56
57	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	58
59	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	60
61	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	62
63	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	64
65	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	66
67	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	68
69	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	70
71	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	72
73	SPACE	--	1	--	--					1	--	SPACE	74
75	SPACE	--	1			--	--			1	--	SPACE	76
77	SPACE	--	1					--	--	1	--	SPACE	78
79	SPACE	--	1	--	--					1	--	SPACE	80
81	SPACE	--	1			--	--			1	--	SPACE	82
			TOTAL LOAD:	83957 VA		84458 VA		86235 VA					
			TOTAL AMPS:	303 A		305 A		312 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS	
EQUIPMENT	11250 VA	100.00%	11250 VA		
HVAC	208157 VA	100.00%	208157 VA	TOTAL CONN. LOAD:	254649 VA
Other	1125 VA	100.00%	1125 VA	TOTAL EST. DEMAND:	247062 VA
RECEPTACLE	28155 VA	67.76%	19078 VA	TOTAL CONN.:	306 A
Power	250 VA	125.00%	313 VA	TOTAL EST. DEMAND:	297 A
LIGHTING	5760 VA	125.00%	7200 VA		

NOTES:

3LA	3HA
-	-

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 2:33:42 PM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
PANEL SCHEDULES

SHEET IDENTIFICATION
E-624

BRANCH PANEL: U1

LOCATION: UNIT 1 - TYPE B FAMILY...
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RCPT - LIVING	20 A	1	1080 VA	1750 VA			2	50 A	RANGE 14-50R	2
3	RCPT - BEDROOM	20 A	1			540 VA	1750 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	30 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DW/DISP	20 A	1	180 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	REFRIGERATOR	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	969 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
		TOTAL LOAD:		8655 VA		7568 VA					
		TOTAL AMPS:		82 A		73 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

BRANCH PANEL: U2

LOCATION: UNIT 2 - TYPE B FAMILY...
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RCPT - LIVING	20 A	1	1260 VA	1750 VA			2	50 A	RANGE 14-50R	2
3	RCPT - BEDROOM	20 A	1			900 VA	1750 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	30 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DW/DISP	20 A	1	1200 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	REFRIGERATOR	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	969 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
		TOTAL LOAD:		9855 VA		7928 VA					
		TOTAL AMPS:		92 A		76 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

BRANCH PANEL: U3

LOCATION: UNIT 3 - TYPE A U203
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RCPT - LIVING	20 A	1	1260 VA	1750 VA			2	50 A	RANGE 14-50R	2
3	RCPT - BEDROOM	20 A	1			900 VA	1750 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	30 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DW/DISP	20 A	1	1200 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	REFRIGERATOR	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	977 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
		TOTAL LOAD:		9855 VA		7937 VA					
		TOTAL AMPS:		92 A		76 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

BRANCH PANEL: U4

LOCATION: UNIT 4 - TYPE B U204
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RCPT - LIVING	20 A	1	900 VA	1750 VA			2	50 A	RANGE 14-50R	2
3	RECEPTACLE	20 A	1			900 VA	1750 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	30 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DW/DISP	20 A	1	1200 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	RECEPTACLE	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	977 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
		TOTAL LOAD:		9495 VA		7937 VA					
		TOTAL AMPS:		89 A		76 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

U1	U2
U3	U4

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:31:34 AM
PLOT SCALE:
FILE NAME:
SIZE: 22" x 34"

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
PANEL SCHEDULES

SHEET IDENTIFICATION
E-625

E-625-

BRANCH PANEL: U5

LOCATION: UNIT 5 - TYPE B U205
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RCPT - LIVING	20 A	1	900 VA	1750 VA			2	50 A	RANGE 14-50R	2
3	RCPT - BEDROOM	20 A	1			900 VA	1750 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	30 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DW/DISP	20 A	1	1200 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	REFRIGERATOR	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	977 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
			TOTAL LOAD:	9495 VA		7937 VA					
			TOTAL AMPS:	89 A		76 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

BRANCH PANEL: U6

LOCATION: UNIT 6 - TYPE B U206
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RCPT - LIVING	20 A	1	900 VA	1750 VA			2	50 A	RANGE 14-50R	2
3	RCPT - BEDROOM	20 A	1			900 VA	1750 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	20 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DW/DISP	20 A	1	1200 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	REFRIGERATOR	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	977 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
			TOTAL LOAD:	9495 VA		7937 VA					
			TOTAL AMPS:	89 A		76 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

BRANCH PANEL: U7

LOCATION: UNIT 7 - TYPE B U207
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RCPT - LIVING	20 A	1	900 VA	1750 VA			2	50 A	RANGE 14-50R	2
3	RCPT - BEDROOM	20 A	1			900 VA	1750 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	30 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DW/DISP	20 A	1	1200 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	REFRIGERATOR	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	977 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
			TOTAL LOAD:	9495 VA		7937 VA					
			TOTAL AMPS:	89 A		76 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

BRANCH PANEL: U8

LOCATION: UNIT 8 - TYPE C U208
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RCPT - LIVING	20 A	1	900 VA	1750 VA			2	20 A	RANGE 14-50R	2
3	RCPT - BEDROOM	20 A	1			900 VA	1750 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	30 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DW/DISP	20 A	1	1200 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	REFRIGERATOR	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	977 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
			TOTAL LOAD:	9495 VA		7937 VA					
			TOTAL AMPS:	89 A		76 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

U4	U5
U6	U7

D2C ARCHITECTS

Kimley»Horn

MARK | DESCRIPTION | DATE | APPR

DESIGN BY: FVZ/EWD
D2C PROJECT NUMBER 202102
DRAWN BY: FVZ/WD
SBMT BY: PMS
ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
CKD BY: PMS
PLOT SCALE:
SOLICITATION NO.:
PLOT DATE: 11/6/2024 11:31:36 AM
CONTRACT NO.:
FILE NUMBER:
FILE NAME:
SIZE: 22" x 34"

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
PANEL SCHEDULES

SHEET IDENTIFICATION
E-626

BRANCH PANEL: U9

LOCATION: UNIT 9 - TYPE C U209
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECPT - LIVING	20 A	1	900 VA	2500 VA			2	50 A	RANGE 14-50R	2
3	RECEPT - BEDROOM	20 A	1			900 VA	2500 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	30 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DISPOSAL	20 A	1	1200 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	REFRIGERATOR	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	977 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
			TOTAL LOAD:	10245 VA		8687 VA					
			TOTAL AMPS:	97 A		84 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

BRANCH PANEL: U10

LOCATION: UNIT 10 - TYPE B U210
SUPPLY FROM: 2DPNLR
MOUNTING: FLUSH
ENCLOSURE: Type 1

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

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

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RCPT - LIVING	20 A	1	900 VA	1750 VA			2	50 A	RANGE 14-50R	2
3	RCPT - BEDROOM	20 A	1			900 VA	1750 VA				4
5	RCPT - COUNTER A	20 A	1	360 VA	2500 VA			2	30 A	DRYER	6
7	RCPT - COUNTER B	20 A	1			360 VA	2500 VA				8
9	DW/DISP	20 A	1	180 VA	1200 VA			1	20 A	MICROWAVE	10
11	RCPT - BATHROOM	20 A	1			180 VA	1200 VA	1	20 A	REFRIGERATOR	12
13	EF-3	20 A	1	15 VA	1320 VA			1	20 A	WASHING MACHINE	14
15	FC-1R	20 A	1			111 VA	977 VA	1	20 A	LTG	16
17	DBF-1	20 A	1	250 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	28
29	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	30
			TOTAL LOAD:	8475 VA		7937 VA					
			TOTAL AMPS:	81 A		76 A					

NOTES: REFER TO DWELLING UNIT LOAD CALCULATIONS ON SHEET E-628 FOR CALCULATED LOAD ON THIS PANEL.

LOW VOLTAGE RELAY PANEL: LCP-1

LOCATION: ELEC RM 1303
SUPPLY FROM: 1HM-41
MOUNTING: SURFACE

MIN RELAY SCCR: 65,000

RELAY NO.	USE AND/OR AREA SERVED
1	NORTH BUILDING EXTERIOR LIGHTING (1HM-39)
2	SOUTH BUILDING EXTERIOR LIGHTING (1HM-40)
3	PARKING LOT POLE LIGHTING (1HA-7)
4	EXT EGRESS LIGHTING E. (1HM-43)
5	EXT EGRESS LIGHTING W. (1HM-45)
6	SPARE
7	SPARE
8	SPARE

U9	U10
LCP-1	-

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
SBMT BY: PMS
CKD BY: PMS
PLOT DATE: 11/6/2024 2:33:43 PM
PLOT SCALE: 1" = 1'-0"
SIZE: 22" x 34"
ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
PANEL SCHEDULES

SHEET IDENTIFICATION
E-627

SUMMIT COUNTY
DB-2DPNLR
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	20	1,500	30,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	10	1,500	15,000
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
	UNIT 1 AREA	550	3	1,650
	UNIT 2 AREA	590	3	1,770
	UNIT 3 AREA	605	3	1,815
	UNIT 4 AREA	520	3	1,560
	UNIT 5 AREA	540	3	1,620
	UNIT 6 AREA	520	3	1,560
	UNIT 7 AREA	530	3	1,590
	UNIT 8 AREA	520	3	1,560
	UNIT 9 AREA	520	3	1,560
	UNIT 10 AREA	530	3	1,590
	TOTAL AREA	5425	3	16,275
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	10	7,900	79,000
	MICROWAVE / RANGE HOOD	10	1,000	10,000
	DISHWASHER	10	1,068	10,680
	GARBAGE DISPOSAL	10	864	8,640
	CLOTHES DRYER	10	5,000	50,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	10	24	240
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	10	150	1,500
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	219,835		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	83,934		
	REDUCED GENERAL LOAD (VA)	93,934		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	1,500		
	NET COMPUTED LOAD IN kVA	95		
	NET COMPUTED LOAD IN AMPS (120/208V, 3-PHASE, 4-WIRE)	265		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	400		

SUMMIT COUNTY
UNIT 1
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		550	3	1,650
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	22,006		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,802		
	REDUCED GENERAL LOAD (VA)	14,802		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	72		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

SUMMIT COUNTY
UNIT 2
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		590	3	1,770
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	22,126		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,850		
	REDUCED GENERAL LOAD (VA)	14,850		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	73		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

SUMMIT COUNTY
UNIT 3
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		605	3	1,815
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	22,171		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,868		
	REDUCED GENERAL LOAD (VA)	14,868		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	73		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

SUMMIT COUNTY
UNIT 4
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		520	3	1,560
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	21,916		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,766		
	REDUCED GENERAL LOAD (VA)	14,766		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	72		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

SUMMIT COUNTY
UNIT 5
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		540	3	1,620
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	21,976		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,790		
	REDUCED GENERAL LOAD (VA)	14,790		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	72		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

SUMMIT COUNTY
UNIT 6
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		520	3	1,560
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	21,916		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,766		
	REDUCED GENERAL LOAD (VA)	14,766		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	72		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

SUMMIT COUNTY
UNIT 7
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		530	3	1,590
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	21,946		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,778		
	REDUCED GENERAL LOAD (VA)	14,778		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	72		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

SUMMIT COUNTY
UNIT 8
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		520	3	1,560
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	21,916		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,766		
	REDUCED GENERAL LOAD (VA)	14,766		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	72		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

SUMMIT COUNTY
UNIT 9
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		520	3	1,560
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	21,946		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,778		
	REDUCED GENERAL LOAD (VA)	14,778		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	72		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

SUMMIT COUNTY
UNIT 10
OPTIONAL CALCULATION DWELLING UNIT: NEC 220.82

LOAD ITEM	DESCRIPTION	QTY	LOAD	TOTAL
220.52 &220.84(C)(2)	1500 VOLT-AMPERES FOR EACH 2-WIRE, 20-AMPERE SMALL-APPLIANCE BRANCH CIRCUIT AND EACH LAUNDRY BRANCH CIRCUIT SPECIFIED IN 220.52.			
	1500VA PER SMALL APPLIANCE CIRCUIT - NEC 220.52(A)	2	1,500	3,000
	1500VA PER LAUNDRY CIRCUIT - NEC 220.52(B)	1	1,500	1,500
220.14(J) & 220.84(C)(1)	3VA/SF GENERAL LIGHTING AND GENERAL USE RECEPTACLES - NEC 220.12			
		530	3	1,590
220.53 & 220.84(C)(3)	APPLIANCES - NAMEPLATE RATING OF APPLIANCES THAT ARE FASTENED IN PLACE, PERMANENTLY CONNECTED, OR LOCATED TO BE ON A SPECFIC CIRCUIT, RANGES, WALL-MOUNTED OVENS, COUNTER-MOUNTED COOKING UNITS, CLOTHES DRYERS, AND WATER HEATERS.			
	RANGE	1	7,900	7,900
	MICROWAVE / RANGE HOOD	1	1,000	1,000
	DISHWASHER	1	1,068	1,068
	GARBAGE DISPOSAL	1	864	864
	CLOTHES DRYER	1	5,000	5,000
220.84(C)(4)	THE NAMEPLATE RATING OR KVA RATING OF ALL MOTORS AND OF ALL LOW-POWER FACTOR LOADS.			
	BATHROOM EXHAUST FAN	1	24	24
220.84(C)(5)	LARGEST HEATING/COOLING LOAD			
	CONDENSING UNIT FC-1R	1	150	150
	SERVICE SIZE CALCULATION SUMMARY			
	TOTAL GENERAL LOAD 220.82(B)	21,946		
	FIRST 10KVA OF GENERAL LOAD AT 100% (VA)	10,000		
	REMAINDER AT 40% (VA)	4,778		
	REDUCED GENERAL LOAD (VA)	14,778		
	TOTAL MECHANICAL LOAD 220.82(C) (VA)	150		
	NET COMPUTED LOAD IN kVA	15		
	NET COMPUTED LOAD IN AMPS (120/208V, 1-PHASE, 3-WIRE)	72		
	RECOMMENDED MAIN CIRCUIT BREAKER SIZE (AMPS)	100		

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024
PLOT SCALE: 1" = 1'-0"
SIZE: 22" X 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
RESIDENTIAL LOAD CALCULATIONS

SHEET IDENTIFICATION
E-628

SUMMIT COUNTY TRANSIT HEADQUARTERS
LIGHTING CONTROLS SEQUENCE OF OPERATIONS

1. GENERAL
   1. ALL LIGHTING CONTROLS SHALL COMPLY WITH THE 2018 IECC.
   2. ALL LIGHTING SHALL BE HIGH EFFICIENCY LED WITH DIMMING CONTROLS. THE OWNER SHALL HAVE THE ABILITY TO REDUCE TOTAL LUMEN OUTPUT TO NOT LESS THAN 80 PERCENT AS DESIRED.
   3. ALL EMERGENCY LIGHTING SHALL BE EMERGENCY BATTERY BACKUP EITHER REMOTELY MOUNTED OR INTEGRAL TO THE FIXTURE WITH AN EMERGENCY TEST SWITCH MOUNTED ON OR ADJACENT TO THE FIXTURE. FIXTURES WITH EMERGENCY BATTERY BACKUP ARE INDICATED ON THE PLANS.
   4. INTERIOR LIGHTING CONTROLS SHALL BE LOW VOLTAGE, 0-10V DIMMING COMPATIBLE.
   5. EXTERIOR LIGHTING BUILDING MOUNTED LIGHTING AND BUILDING MOUNTED SIGNAGE CONTROLS SHALL BE BY RELAY PANEL WITH TIME CLOCK AND PHOTOCELL INPUTS. PROVIDE EXTERIOR PHOTOCELL ON NORTH FACING WALL OF BUILDING UNDER EAVE OR PROVIDE TIE-IN FOR NEW EXTERIOR LIGHTING TO EXISTING LIGHTING CONTROLS, INCLUDING BUT NOT LIMITED TO OCCUPANY SENSORS, PHOTOCELLS, MANUAL SWITCHES. FIELD VERIFY.
   6. DAYLIGHTING
      A. WHERE REQUIRED BY THE 2018 IECC, LIGHTING CONTROLS SHALL INCLUDE PHOTOCELL DIMMING IN DAYLIGHTING ZONES.
   7. OCCUPANCY
      A. ALL LIGHTING SHALL BE CONTROLLED BY AUTOMATIC OFF/MANUAL ON OCCUPANCY SENSOR CONTROLS, EXPECT WHERE PERMITTED UNDER 2018 IECC. CONTRACTOR SHALL COORDINATE WITH END USER TO SET DELAY TIMES FOR OCCUPANCY SENSORS TO A MAXIMUM OF 30 MINUTES.

1 LIGHTING CONTROLS SEQUENCE OF OPERATIONS

N.T.S

LIGHTING CONTROLS LEGEND	
OS	OCCUPANCY SENSOR, CEILING MOUNTED (WATTSTOPPER LMPC-100 OAE, LMPC-100-5 FOR HIGH BAY APPLICATION).
PC	PHOTOCELL SENSOR, CEILING MOUNTED (WATTSTOPPER LMLS-400 OAE).
S1	PUSH BUTTON DIMMER SWITCH (WATTSTOPPER LMDN-R OAE).
S2	PUSH BUTTON DIMMER (WATTSTOPPER PW-100 OAE).

2 LIGHTING CONTROLS LEGEND

N.T.S

RY1-P1CF-14-MW-BKP-LED135K-UNV-48-DM1

LIGHTING FIXTURE SCHEDULE

FIXTURE ID	DESCRIPTION	SOURCE	VOLTAGE	LOAD	MOUNTING	MANUFACTURER & MODEL NUMBER	NOTES
C1	UNDER CABINET LIGHTING	T-8	277 V	60 VA	CEILING, SURFACE	WE1SW-5.0-30-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-WH-48"-O OR APPROVED EQUAL	QTM-eLED-60W-UNV-12VDC-0-10V_ (POWER SUPPLY)
D6	6" ROUND SURFACE MOUNTED DOWNLIGHT, EDGE LIT	LED	277 V	20 VA	CEILING, SURFACE	FIELD SELECT 4FDR-LS8CS-CS-(EM/10W)-DIM-UNV	
D7	ROYALE PENDANT	LED	277 V	15 VA	PENDANT	OCL RY1-P1FE-14-MW-_-LED1/35K-UNV-36-DM1	EM BATTERY BACKUP FOR EM FIXTURES.
F2	2X2 TROFFER	LED	277 V	25 VA	CEILING, RECESSED	FEILD SELECT FT-22-LS/8CS-AF-DIM-UNV-(EM10W)	
F4	2'X4' LED LIGHT FIXTURE, 80CRI, 3500K, 1750 LUMEN, 0-10V DIMMING	LED	277 V	27 VA	CEILING, RECESSED	COLUMBIA SRP24-35-VW-G-ED-U OR APPROVED EQUAL	
H4	4-FOOT HIGH BAY	LED	277 V	197 VA	PENDANT MOUNTED AT +20' AFF	COLUMBIA PEL4-40MV-FAW-EDU OR APPROVED EQUAL	
L4	4' RECESSED LINEAR, EXTERIOR	LED	277 V	30 VA	CEILING, SURFACE	COLUMBIA CNW4-3540 OR APPROVED EQUAL	
L8	LINEAR PENDANT	LED	277 V	51 VA	PENDANT	OCL UA1-P1EB-XX-MW-BKP-LED1/35K-UNV-48-DM1	VERFIY LENGTH WITH ARCHITECTUAL PLAN, EM BATTERY BACKUP FOR EM FIXTURES
L8I	WALL MOUNTED LINEAR LED SCONCE	LED	277 V	51 VA	WALL	UA1-S1SA-XX-MW-BKP-LED1/35K-UNV-DM1	VERFIY LENGTH WITH ARCHITECTUAL PLAN, EM BATTERY BACKUP FOR EM FIXTURES
L8W	8' RECESSED LINEAR, EXTERIOR	LED	277 V	30 VA	CEILING, SURFACE	COLUMBIA CNW4-3540 OR APPROVED EQUAL	
L9	ACOUSTIC SILENCIO JAM BAR LINEAR PENDANT	LED	277 V	42 VA	PENDANT	ALLURE AJB-X-PT/LPAR-X-35-90-50-_-(EM-ITA)	VERFIY LENGTH WITH ARCHITECTUAL PLAN
L10	2" SUSPENDED LINEAR, INTERIOR	LED	277 V	44 VA	CEILING, SUSPENDED	ALW LPX-2-D-SP-F-S10-05-35-90-WS-V01-N-N-N-N-N-__-B04-1C OR APPROVED EQUAL	
L24W	24' RECESSED LINEAR, EXTERIOR	LED	277 V	30 VA	CEILING, SURFACE	COLUMBIA CNW4-3540 OR APPROVED EQUAL	
LP4	1.5" RECESSED LINEAR, INTERIOR	LED	277 V	12 VA	CEILING, SURFACE	3G LIGHTING 3G-1RL1-WC-L500-S80-35K-UNV-DIM-CXTR-FL OR APPROVED EQUAL	
P1	30' POLE MOUNTED AREA FIXTURE, TYPE 3 DISTRIBUTION.	LED	277 V	209 VA	POLE MOUNTED AT +30' AFG	LEOTEK EC7-24M2-MV-NW-3-DB-700-FFA-LLPC OR APPROVED EQUAL	
S4	4' STRIP LIGHT	LED	UNV	30 VA	CEILING, SURFACE	FIELD SELECT FS-4-LS/8CS-(EM/10WLP)-DIM-UNV	
S4A	4' STRIP LIGHT	LED	277 V	30 VA	CEILING, SURFACE	FIELD SELECT FS-4-LS/8CS-(EM/10WLP)-DIM-UNV	
S6	3.5" SUSPENDED LINEAR, INTERIOR. W/ 90 MIN BATTERY BACKUP	LED	277 V	43 VA	CEILING, PENDANT	ALW NV3.5S-S6-MED-90-3500K-0/10V/1%-LENS-__-UNV-EMB OR APPROVED EQUAL	
TR1	8' TRACK LIGHTING WITH ADJUSTABLE TILT	LED	120 V	44 VA	CEILING, SURFACE	TRACK: TCS-TRACK-I8 LUMINAIRE: CTM1-A-SL-1-BK-BK-BK-B-90S11A-35-25-CE3-4	
W1	WALL PACK	LED	277 V	17 VA	WALL MOUNTED AT +6" ABOVE DOOR FRAME	WILLIAMS VWMH-L17/830-T3-BLK-SDGL-DIM-UNV CLSW-24"-60X2HO-30K-F-WH	
W3	2' VANITY FIXTURE	LED	120 V	19 VA	WALL MOUNTED	CLSW-24"-60X2HO-30K-F-WH	
W4	4' VANITY FIXTURE	LED	277 V	30 VA	WALL MOUNTED AT +7' AFF	RP LIGHTING 4907BN-48 OR APPROVED EQUAL	
W5	WALL SCONCE	LED	120 V	19 VA	WALL MOUNTED		
X1	SINGLE FACE, GREEN LETTERS, LED EXIT SIGN	LED	277 V	2 VA	CEILING, SURFACE	ISOLITE ELT-FT-EM-G-1C-BA OR APPROVED EQUAL	
X2	DOUBLE SIDED FACE, GREEN LETTERS, LED EXIT SIGN	LED	277 V	2 VA	CEILING, SURFACE	ISOLITE ELT-FT-EM-G-2M-BA OR APPROVED EQUAL	
X3	SINGLE FACE, GREEN LETTERS, LED EXIT SIGN	LED	277 V	2 VA	WALL MOUNTED	ISOLITE ELT-FT-EM-G-1C-BA OR APPROVED EQUAL	

D2C ARCHITECTS
Kimley»Horn

MARK	DESCRIPTION	DATE	APPR.

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: FV/ZVD
D2C PROJECT NUMBER 2021.02
DRAWN BY: FV/ZVD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 2:33:44 PM
PLOT SCALE: As indicated
FILE NAME:
SIZE: 22" x 34"

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ELECTRICAL SCHEDULES

SHEET IDENTIFICATION
E-631

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIP ID	EQUIPMENT DESCRIPTION	COORDINATING DISCIPLINE	VOLTAGE/POLES-LOAD	APPARENT LOAD	CONDUIT AND WIRE SIZE*	DISCONNECT SIZE	NEMA RATING	DISCONNECT PROVIDED BY	PANEL - CIRCUIT	NOTES	EQUIP ID
AHU-1EF	AIR HANDLER EXHAUST FAN	MECHANICAL	480 V/3-11634 VA	11634 VA	30S-3	30AS/30AF/3P	1	EC	3HA-20,22,24		AHU-1EF
AHU-1SF	AIR HANDLER SUPPLY FAN	MECHANICAL	480 V/3-12099 VA	12099 VA	30S-3	30AS/30AF/3P	1	EC	3HA-19,21,23		AHU-1SF
AHU-2EF	AIR HANDLER EXHAUST FAN	MECHANICAL	480 V/3-9141 VA	9141 VA	30S-3	30AS/25AF/3P	1	EC	3HA-26,28,30		AHU-2EF
AHU-2SF	AIR HANDLER SUPPLY FAN	MECHANICAL	480 V/3-9573 VA	9573 VA	30S-3	30AS/25AF/ 3P	1	EC	3HA-25,27,29		AHU-2SF
B-1	CONDENSING BOILER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	30AS/20AF/1P	1	EC	1LM-24		B-1
B-2	CONDENSING BOILER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	30AS/20AF/3P	1	EC	1LM-25		B-2
BC-1	VRF	MECHANICAL	208 V/2-232 VA	232 VA	15S-3	30AS/20AF/2P	1	EC	1LA-10,12		BC-1
BC-2	VRF	MECHANICAL	208 V/2-232 VA	232 VA	15S-3	30AS/20AF/2P	1	EC	1LA-14,16		BC-2
CU-1	CONDENSING UNIT	MECHANICAL	480 V/3-19968 VA	19968 VA	70S-3	100AS/70AF/3P	3R	EC	3HA-38,40,42		CU-1
CU-2	CONDENSING UNIT	MECHANICAL	480 V/3-12288 VA	12288 VA	40S-3	60AS/40AF /3P	3R	EC	3HA-43,45,47		CU-2
CU-3	CONDENSING UNIT	MECHANICAL	208 V/2-3162 VA	3162 VA	30S-2	30AS/25AF/2P	3R	EC	3LA-68,70		CU-3
CU-4	CONDENSING UNIT	MECHANICAL	208 V/2-3161 VA	3161 VA	30S-2	30AS/25AF/2P	3R	EC	3LA-60,62		CU-4
EF-1	EXHAUST FAN	MECHANICAL	120 V/1-75 VA	75 VA	20S-2	30AS/20AF/1P	1	EC	3LA-66		EF-1
EF-2	EXHAUST FAN	MECHANICAL	120 V/1-696 VA	696 VA	20S-2	30AS/20AF/1P	1	EC	3LA-61		EF-2
EF-3	EXHUST FAN	MECHANICAL	120 V/1-15 VA	15 VA	20S-2	SWITCH		EC	U3-13		EF-3
EF-4	VARIABLE AIR VOLUME UNIT	MECHANICAL	120 V/1-60 VA	60 VA	20S-2	30AS/20AF/1P		EC	3LA-34		EF-4
ERV-1	ENERGY RECOVERY VENTILATOR	MECHANICAL	480 V/3-26791 VA	26791 VA	55S-3	60AS/45AF/3P	3R	EC	3HA-31,33,35		ERV-1
ERV-2	ENERGY RECOVERY VENTILATOR	MECHANICAL	480 V/3-26791 VA	26791 VA	55S-3	60AS/45AF/3P	3R	EC	3HA-32,34,36		ERV-2
FC-1	INDOOR FAN COIL	MECHANICAL	208 V/2-208 VA	208 VA	PER MFG	SWITCH		EC			FC-1
FC-1R	RESIDENTIAL INDOOR FAN COIL	MECHANICAL	120 V/1-111 VA	111 VA	PER MFG	SWITCH		EC	U1-15		FC-1R
FC-2	INDOOR FAN COIL	MECHANICAL	208 V/2-0 VA	0 VA	PER MFG	SWITCH		EC			FC-2
HP-1	CONDENSING UNIT	MECHANICAL	208 V/2-5472 VA	5472 VA	30S-4	30AS/25AF /2P	3R	EC	3LA-74,76		HP-1
HP-1R	RESIDENTIAL CONDENSING UNIT	MECHANICAL	480 V/3-31246 VA	31246 VA	70S-2	100AS/70AF/3P	3R	EC	3HA-37,39,41		HP-1R
HVLS-1	DESTRATIFICATION FAN	MECHANICAL	480 V/3-0 VA	0 VA	20S-4	30A / 3P	1	EC	1HM-19,21,23		HVLS-1
HVLS-2	DESTRATIFICATION FAN	MECHANICAL	480 V/3-0 VA	0 VA	20S-4	30A / 3P	1	EC	1HM-25,27,29		HVLS-2
HVLS-3	DESTRATIFICATION FAN	MECHANICAL	480 V/3-0 VA	0 VA	20S-4	30A / 3P	1	EC	1HM-26,28,30		HVLS-3
HVLS-4	DESTRATIFICATION FAN	MECHANICAL	480 V/3-4600 VA	4600 VA	20S-4	30A / 3P	1	EC	1HM-31,33,35		HVLS-4
HWP-1	HOT WATER PUMP	MECHANICAL	480 V/3-6316 VA	6316 VA	20S-3	30AS/20AF/3P	1	EC	1HM-8,10,12		HWP-1
HWP-2	HOT WATER PUMP	MECHANICAL	480 V/3-6315 VA	6315 VA	20S-3	30AS/20AF/3P	1	EC	1HM-14,16,18		HWP-2
HWP-S1	HOT WATER PUMP	MECHANICAL	480 V/3-6315 VA	6315 VA	20S-3	30AS/20AF/3P	1	EC	1HM-2,4,6		HWP-S1
IR-1	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-17		IR-1
IR-2	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-17		IR-2
IR-3	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-17		IR-3
IR-4	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-17		IR-4
IR-5	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-17		IR-5
IR-6	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-17		IR-6
IR-7	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-18		IR-7
IR-8	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-18		IR-8
IR-9	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-18		IR-9
IR-10	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-18		IR-10
IR-11	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-18		IR-11
IR-12	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-18		IR-12
IR-13	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-19		IR-13
IR-14	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-19		IR-14
IR-15	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-19		IR-15
IR-16	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-19		IR-16
IR-17	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-19		IR-17
IR-18	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-19		IR-18
IR-19	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-20		IR-19
IR-20	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-20		IR-20
IR-21	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-20		IR-21
IR-22	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-20		IR-22
IR-23	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-20		IR-23
IR-24	INFRARED TUBE HEATER	MECHANICAL	120 V/1-150 VA	150 VA	20S-2	SWITCH	1	EC	1LM-20		IR-24
UV-1	UNIT VENTILATOR	MECHANICAL	120 V/1-2159 VA	2159 VA	30S-2	30AS/25AF /1P	1	EC	1LA-53		UV-1
UV-2	UNIT VENTILATOR	MECHANICAL	120 V/1-3203 VA	3203 VA	40S-2	60AS/35AF/1P	1	EC	1LM-37		UV-2
UV-3	UNIT VENTILATOR	MECHANICAL	120 V/1-2159 VA	2159 VA	30S-2	30AS/25AF/1P	1	EC	1LM-38		UV-3
VAV-1-1	VARIABLE AIR VOLUME	MECHANICAL	277 V/1-3500 VA	3500 VA	20S-2	30AS/20AF/1P	1	EC	1HM-56		VAV-1-1
VAV-1-2	VARIABLE AIR VOLUME	MECHANICAL	277 V/1-4500 VA	4500 VA	30S-2	30AS/25AF/1P	1		1HM-20		VAV-1-2
VAV-1-3	VARIABLE AIR VOLUME	MECHANICAL	277 V/1-3500 VA	3500 VA	20S-2	30AS/20AF/1P	1	EC	1HM-22		VAV-1-3
VAV-1-4	VARIABLE AIR VOLUME	MECHANICAL	277 V/1-1994 VA	1994 VA	20S-2	30AS/15AF/1P	1	EC	1HM-24		VAV-1-4
VAV-1-5	VARIABLE AIR VOLUME	MECHANICAL	277 V/1-6500 VA	6500 VA	30S-2	30AS/30AF/1P	1	EC	3HA-17		VAV-1-5
VAV-1-6	VARIABLE AIR VOLUME	MECHANICAL	277 V/1-2000 VA	2000 VA	15S-2	30AS/15AF/1P	1	EC	3HA-18		VAV-1-6
VAV-2-1	VARIABLE AIR VOLUME UNIT	MECHANICAL	277 V/1-7500 VA	7500 VA	40S-2	60AS/35AF/1P	1	EC	3HA-11		VAV-2-1
VAV-2-2	VARIABLE AIR VOLUME UNIT	MECHANICAL	277 V/1-6000 VA	6000 VA	30S-2	30AS/30AF/1P	1	EC	3HA-10		VAV-2-2
VAV-2-3	VARIABLE AIR VOLUME UNIT	MECHANICAL	277 V/1-2500 VA	2500 VA	20S-2	30AS/20AF/1P	1	EC	3HA-12		VAV-2-3
VAV-2-4	VARIABLE AIR VOLUME UNIT	MECHANICAL	277 V/1-3500 VA	3500 VA	20S-2	30As/20AF/1P	1	EC	3HA-13		VAV-2-4
VAV-2-5	VARIABLE AIR VOLUME UNIT	MECHANICAL	277 V/1-2500 VA	2500 VA	20S-2	30AS/15AF/1P	1	EC	3HA-14		VAV-2-5
VAV-2-6	VARIABLE AIR VOLUME UNIT	MECHANICAL	277 V/1-1500 VA	1500 VA	20S-2	30AS/20AF/1P	1	EC	3HA-15		VAV-2-6
VAV-2-7	VARIABLE AIR VOLUME UNIT	MECHANICAL	277 V/1-4000 VA	4000 VA	20S-2	30AS/20AF/1P	1	EC	3HA-16		VAV-2-7
CP-1	HOT WATER CIRCULATION PUMP	PLUMBING	120 V/1-168 VA	168 VA	20S-2	SWITCH		EC	1LM-27		CP-1
CP-2	HOT WATER CIRCULATION PUMP	PLUMBING	120 V/1-168 VA	168 VA	20S-2	SWITCH		EC	1LM-26		CP-2
GFT-S1	HOT WATER CIRCULATION PUMP	PLUMBING	120 V/1-168 VA	168 VA	20S-2	SWITCH		EC	1LM-39		GFT-S1
IWH-1	INSTANTANEOUS WATER HEATER	PLUMBING	480 V/3-20000 VA	20000 VA	30S-3	30AS/30AF/3P	1	EC	1HM-13,15,17		IWH-1
WH-1	WATER HEATER	PLUMBING	120 V/1-168 VA	168 VA	20S-2	SWITCH		EC	1LM-29		WH-1
WH-2	WATER HEATER	PLUMBING	120 V/1-168 VA	168 VA	20S-2	SWITCH		EC	1LM-28		WH-2
WH-3	WATER HEATER	PLUMBING	480 V/3-2500 VA	2500 VA	20S-3	30AS/20AF/3P	1	EC	1HM-7,9,11		WH-3

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: FV/ZWD
DRAWN BY: FV/ZWD
SBMT BY: PMS
SIZE: 22" x 34"
ISSUE DATE: NOVEMBER 7, 2024
D2C PROJECT NUMBER 202102
PLOT SCALE:
CKD BY: PMS
PLOT DATE: 11/6/2024 11:31:48 AM
FILE NAME:
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ELECTRICAL SCHEDULES

SHEET IDENTIFICATION
E-632

ELECTRICAL EQUIPMENT CONNECTION SCHEDULE

EQUIP ID	EQUIPMENT DESCRIPTION	COORDINATING DISCIPLINE	VOLTAGE/POLES-LOAD	APPARENT LOAD	CONDUIT AND WIRE SIZE*	DISCONNECT SIZE	NEMA RATING	DISCONNECT PROVIDED BY	PANEL - CIRCUIT	NOTES	EQUIP ID
ELEVATOR	ELEVATOR CONTROLLER	ARCHITECTURAL	480 V/3-64485 VA	64485 VA	150S-4	200AS/150AF/3P	1	EC	MSB1-18		ELEVATOR
ELEVATOR	ELEVATOR LTG/GEN PWR	ARCHITECTURAL	120 V/1-3952 VA	3952 VA	20S-2	30AS/20AF/1P	1	EC	1LA-18		ELEVATOR
ELEVATOR	ELEVATOR HEATINF/AC	ARCHITECTURAL	208 V/3-3952 VA	3952 VA	30S-4	30AS/30AF/1P	1	EC	1LA-52,54,56		ELEVATOR
RD-1101A	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-7		RD-1101A
RD-1101B	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-8		RD-1101B
RD-1101C	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-9		RD-1101C
RD-1101D	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-10		RD-1101D
RD-1101E	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-11		RD-1101E
RD-1101F	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-12		RD-1101F
RD-1101I	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-6		RD-1101I
RD-1101J	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-5		RD-1101J
RD-1101K	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-4		RD-1101K
RD-1101L	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-3		RD-1101L
RD-1101M	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-2		RD-1101M
RD-1101N	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-1		RD-1101N
RD-1306C	ROLL UP DOOR	ARCHITECTURAL	120 V/1-1500 VA	1500 VA	20S-2	SWITCH		EC	1LM-30		RD-1306C
EV-PB-1	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-2		EV-PB-1
EV-PB-2	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-3		EV-PB-2
EV-PB-3	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-4		EV-PB-3
EV-PB-4	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-5		EV-PB-4
EV-PB-5	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-6		EV-PB-5
EV-PB-6	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-7		EV-PB-6
EV-PB-7	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-8		EV-PB-7
EV-PB-8	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-9		EV-PB-8
EV-PB-9	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-10		EV-PB-9
EV-PB-10	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB1-11		EV-PB-10
EV-PB-11	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB2-2		EV-PB-11
EV-PB-12	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB2-3		EV-PB-12
EV-PB-13	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB2-4		EV-PB-13
EV-PB-14	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB2-5		EV-PB-14
EV-PB-15	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB2-6		EV-PB-15
EV-PB-16	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB2-7		EV-PB-16
EV-PB-17	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB2-8		EV-PB-17
EV-PB-18	EV CHARGER POWER BLOCK	ELECTRICAL	480 V/3-150000 VA	150000 VA	310S-4	400A / 3P	1	EC	MSB2-9		EV-PB-18

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: FV/ZWD
D2C PROJECT NUMBER 202102
DRAWN BY: FV/ZWD
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 11:31:50 AM
PLOT SCALE:
FILE NAME:
SIZE: 22" x 34"

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ELECTRICAL SCHEDULES

SHEET IDENTIFICATION
E-633

E-633-

Feeder Calculations		
Solar Contribution (10x total AC solar Amps)	0	
Motor Contribution (10x total motor Amps)	970	50HP ELEV MOTOR CONTRIBUTION

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	Isc	**% Vdrop	Point
1	Utility Published Data	56500	57,470										57,470		1
2	MSB2	1	57,470	M	Aluminum	9	Set of	500 KCML	1525	150	480	3	48,528	0.56%	2
3	PU 11	2	48,528	M	Aluminum	1	Set of	500 KCML	250	210	480	3	16,391	1.72%	3
4	PU 12	2	48,528	M	Aluminum	1	Set of	500 KCML	250	215	480	3	16,137	1.74%	4
5	PU 13	2	48,528	M	Aluminum	1	Set of	500 KCML	250	220	480	3	15,890	1.77%	5
6	PU 14	2	48,528	M	Aluminum	1	Set of	500 KCML	250	225	480	3	15,651	1.80%	6
7	PU 15	2	48,528	M	Aluminum	1	Set of	500 KCML	250	230	480	3	15,419	1.83%	7
8	PU 16	2	48,528	M	Aluminum	1	Set of	500 KCML	250	235	480	3	15,193	1.85%	8
9	PU 17	2	48,528	M	Aluminum	1	Set of	500 KCML	250	240	480	3	14,975	1.88%	9
10	PU 18	2	48,528	M	Aluminum	1	Set of	500 KCML	250	245	480	3	14,762	1.91%	10

2 VOLTAGE DROP AND FAULT CALC MSB2

N.T.S

Feeder Calculations		
Solar Contribution (10x total AC solar Amps)	1,871	155.5KW DC SOLAR CONTRIBUTION
Motor Contribution (10x total motor Amps)		

Point	Point Name	Source* Point	Source Amps	Conduit Type	Conductor Type	Wire Size/Quantity			Load (A)	Distance	Voltage	Phase	XFMR kVA	XFMR %Z	Isc	**% Vdrop	Point
1	Utility Published Data	56500	58,371												58,371		1
2	MSB1	1	58,371	M	Aluminum	9	Set of	500 KCML	2297	150	480	3			49,169	0.84%	2
3	PU 1	2	49,169	M	Aluminum	1	Set of	500 KCML	250	210	480	3			16,464	2.00%	3
4	PU 2	2	49,169	M	Aluminum	1	Set of	500 KCML	250	215	480	3			16,207	2.03%	4
5	PU 3	2	49,169	M	Aluminum	1	Set of	500 KCML	250	220	480	3			15,958	2.05%	5
6	PU 4	2	49,169	M	Aluminum	1	Set of	500 KCML	250	225	480	3			15,717	2.08%	6
7	PU 5	2	49,169	M	Aluminum	1	Set of	500 KCML	250	230	480	3			15,483	2.11%	7
8	PU 6	2	49,169	M	Aluminum	1	Set of	500 KCML	250	235	480	3			15,256	2.14%	8
9	PU 7	2	49,169	M	Aluminum	1	Set of	500 KCML	250	240	480	3			15,035	2.16%	9
10	PU 8	2	49,169	M	Aluminum	1	Set of	500 KCML	250	245	480	3			14,821	2.19%	10
11	PU 9	2	49,169	M	Aluminum	1	Set of	500 KCML	250	250	480	3			14,612	2.22%	11
12	PU 10	2	49,169	M	Aluminum	1	Set of	500 KCML	250	255	480	3			14,410	2.25%	12
13	1HA	2	49,169	M	Aluminum	2	Set of	250 KCML	75	20	480	3			42,891	0.87%	13
14	T1A-PRIM.	13	42,891	M	Copper	1	Set of	1	75	5	480	3			38,776	0.89%	14
15	T1A-SECOND.	14	38,776	M	Copper		Set of				208	3	75	3	6,440	0.00%	15
16	1LA	15	6,440	M	Aluminum	1	Set of	250 KCML	150	20	208	3			5,916	0.24%	16
17	1HM	2	49,169	M	Aluminum	2	Set of	250 KCML	136	10	480	3			45,816	0.87%	17
18	TM-PRIM.	17	45,816	M	Aluminum	1	Set of	1	136	5	480	3			41,151	0.91%	18
19	TM-SECOND.	18	41,151	M	Aluminum		Set of				208	3	75	3	6,467	0.00%	19
20	1LM	19	6,467	M	Aluminum	1	Set of	250 KCML	100	5	208	3			6,326	0.04%	20
21	3HA	2	49,169	M	Copper	2	Set of	250 KCML	290	340	480	3			17,375	2.14%	21
22	T3A-PRIM.	21	17,375	M	Copper	1	Set of	1	290	10	480	3			15,999	2.31%	22
23	T3A-SECOND.	22	15,999	M	Copper		Set of				208	3	75	3	5,841	0.00%	23
24	3LA	23	5,841	M	Aluminum	1	Set of	250 KCML	110	10	208	3			5,616	0.09%	24
25	2TR-PRIM.	2	49,169	M	Aluminum	1	Set of	300 KCML	115	50	480	3			30,022	1.02%	25
26	2TR-SECOND.	25	30,022	M	Aluminum		Set of				208	3	150	3	11,562	0.00%	26
27	2DPNLR	26	11,562	M	Aluminum	2	Set of	250 KCML	265	10	208	3			11,121	1.13%	27
28	SGP	2	49,169	M	Aluminum	2	Set of	250 KCML	187	40	480	3			38,035	0.97%	28
29	INV1/INV2	28	38,035	M	Copper	1	Set of	1/0	187	10	480	3			32,965	1.11%	29
30	U1	27	30,022	M	Copper	1	Set of	1	72	220	208	3			3,514	3.13%	30
31	U2	27	11,121	M	Copper	1	Set of	1	72	200	208	3			3,142	2.94%	31
32	U3	27	11,121	M	Copper	1	Set of	1	72	160	208	3			3,668	2.56%	32
33	U4	27	11,121	M	Copper	1	Set of	1	72	140	208	3			4,003	2.36%	33
34	U5	27	11,121	M	Copper	1	Set of	1	72	120	208	3			4,406	2.17%	34
35	U6	27	11,121	M	Copper	1	Set of	1	72	100	208	3			4,899	1.98%	35
36	U7	27	11,121	M	Copper	1	Set of	1	72	90	208	3			5,189	1.88%	36
37	U8	27	11,121	M	Copper	1	Set of	1	72	80	208	3			5,516	1.79%	37
38	U9	27	11,121	M	Copper	1	Set of	1	72	70	208	3			5,887	1.69%	38
39	U10	27	11,121	M	Copper	1	Set of	1	72	60	208	3			6,312	1.60%	39
40	DAS	2	49,169	M	Aluminum	2	Set of	250 KCML	20	40	480	3			38,035	0.86%	40
41	ELEV CONR. DISC.	2	49,169	M	Copper	1	Set of	2/0	97	270	480	3			9,015	1.88%	41
42	ELEV MOTOR CONT.	41	9,015	M	Copper	1	Set of	1/0	97	5	480	3			8,854	1.04%	42
43	ELEV MORTOR DISC.	42	8,854	M	Copper	1	Set of	1/0	97	20	480	3			8,262	1.11%	43
44	ELEV.MOTOR	43	8,262	M	Copper	1	Set of	1/0	97	5	480	3			8,126	1.04%	44

1 VOLTAGE DROP AND FAULT CALC MSB1

N.T.S

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
LED: D6: DOWNLIGHT: Other:	1	173	20	3460
LED: W3: VANITY: Other:	1	10	30	300
LED: w5: SCONCE: Other:	1	10	30	300
38-FUTURE (Common Space Types:Storage)				
39-ELEV SHAFT (Common Space Types:Electrical/Mechanical)				
40-STOR/JAN (Common Space Types:Storage)				
LED: S4: 4' STRIP LIGHT: Other:	1	2	30	60
41-ELEC ROOM LEVEL 3 (Common Space Types:Electrical/Mechanical)				
LED: SA: 4' STRIP LIGHT: Other:	1	2	30	60
			Total Proposed Watts =	24559

Interior Lighting PASSES: Design 48% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Fernando Vasquez - Engineer — Signature — 11/06/2024 Date

Name - Title

COMcheck Software Version COMcheckWeb

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	SUMMIT COUNTY
Project Type:	New Construction
Exterior Lighting Zone	3 (Other (LZ3))

Construction Site: Frisco, Colorado 80424 — Owner/Agent: — Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Sub Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
PARKING LOT (Parking area)	29636 ft2	0.06	Yes	1778
BUILDING EXT ENTER/TRY (Entry canopy)	6376 ft2	0.6	Yes	3255
			Total Tradable Watts (a) =	4309
			Total Allowed Watts =	4329
			Total Allowed Supplemental Watts (b) =	500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
PARKING LOT (Parking area, 29636 ft2): Tradable Wattage				
LED: P1: LED Roadway-Parking Unit 210W:	1	7	209	1463
LED: LBW: INCESSED LINEAR: Other:	1	9	30	270
LED: L4: RECESSED LINEAR: Other:	1	1	30	30
BUILDING EXT ENTER/TRY (Entry canopy, 6376 ft2): Tradable Wattage				
LED: L1: WALL PACK: Other:	1	20	75	1500
			Total Tradable Proposed Watts =	3263

Exterior Lighting PASSES: Design 32% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Fernando Vasquez - Engineer — Signature — 11/06/2024 Date

Name - Title

Project Title: SUMMIT COUNTY — Report date: 11/06/24
Data filename: — Page 3 of 9

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
16-TOOL STORAGE (Common Space Types:Storage)				
LED: S4: 4' STRIP LIGHT: Other:	1	9	30	270
17-BOILER (Common Space Types:Electrical/Mechanical)				
LED: S4: 4' STRIP LIGHT: Other:	1	6	30	180
18-ELECTRICAL 1303 (Common Space Types:Electrical/Mechanical)				
LED: S4: 4' STRIP LIGHT: Other:	1	9	30	270
19-ELEV SHAFT (Common Space Types:Electrical/Mechanical)				
LED: S4: 4' STRIP LIGHT: Other:	1	1	30	30
20-STAIR 3 (Common Space Types:Stairwell)				
LED: S4: 4' STRIP LIGHT: Other:	1	6	30	180
21-WATER ENTRY (Common Space Types:Electrical/Mechanical)				
LED: S4: 4' STRIP LIGHT: Other:	1	4	30	120
22-LEVEL 3 STORAGE 3201 (Common Space Types:Storage >=1000 sq.ft.)				
LED: S4A: 4' STRIP LIGHT: Other:	1	2	22	44
23-MECHANICAL (Common Space Types:Electrical/Mechanical)				
LED: S4: 4' STRIP LIGHT: Other:	1	9	30	270
24-PATIO (Common Space Types:Lounge/Breakroom)				
LED: LB: 1.5" RECESSED LINEAR: Other:	1	4	12	48
25-CIRCULATION 3111 (Common Space Types:Lobby For Elevator)				
LED: LB: 1.5" RECESSED LINEAR: Other:	1	5	20	100
LED: L1: 4' STRIP LIGHT: Other:	1	1	22	22
LED: S1: 4' STRIP LIGHT: Other:	1	2	60	120
26-I.T. /TELE (Common Space Types:Computer Room)				
LED: D6: DOWNLIGHT: Other:	1	2	20	40
27-LEVEL 3 RESTROOMS (Common Space Types:Restrooms)				
LED: D6: DOWNLIGHT: Other:	1	16	35	560
28-BREAKROOM (Common Space Types:Lounge/Breakroom)				
LED: D7: ROYALE LED PENDANT: Other:	1	18	15	270
LED: C1: UNDERCABINET LED: Other:	1	2	60	120
29-QUIET ROOMS (Common Space Types:Lounge/Breakroom)				
LED: D6: DOWNLIGHT: Other:	1	4	20	80
LED: LB: 1.5" RECESSED LINEAR: Other:	1	2	20	40
30-PRINT 3101A (Common Space Types:Copy/Print Room)				
LED: D6: DOWNLIGHT: Other:	1	8	20	160
31-MULTIPUPOSE STORAGE (Common Space Types:Storage)				
LED: F2: 2'X2' LED FIXTURE: Other:	1	4	60	240
32-JAN. (Common Space Types:Storage >=1000 sq.ft.)				
LED: F2: 2'X2' LED FIXTURE: Other:	2	1	60	60
33-LEVEL 3 OFFICES (Common Space Types:Office - Enclosed)				
LED: LB: 1.5" RECESSED LINEAR: Other:	1	17	20	340
34-CIRCULATION 3100 (Common Space Types:Corridor/Transition >=8 ft wide)				
LED: LB: 1.5" RECESSED LINEAR: Other:	1	21	12	252
LED: L6: DOWNLIGHT: Other:	1	10	20	200
LED: L1: 4' STRIP LIGHT: Other:	1	2	22	44
LED: C1: UNDER CABINET LED Undercabinet Unit Blk:	1	2	60	120
LED: D6: DOWNLIGHT: Other:	1	2	20	40
35-LEVEL 3 OPEN OFFICE (Common Space Types:Office - Open Plan)				
LED: LB: 1.5" RECESSED LINEAR: Other:	1	25	12	300
36-LEVEL 2 CORRIDOR (Common Space Types:Corridor/Transition >=8 ft wide)				
LED: LB: 1.5" RECESSED LINEAR: Other:	1	7	12	84
LED: D6: DOWNLIGHT: Other:	1	19	20	380
37-DWELLING UNITS (Dormitory:Living Quarters)				

Project Title: SUMMIT COUNTY — Report date: 11/06/24
Data filename: — Page 2 of 9

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
34-CIRCULATION 3100 (Common Space Types:Corridor/Transition >=8 ft wide)	2626	0.58	1726
35-LEVEL 3 OPEN OFFICE (Common Space Types:Office - Open Plan)	1744	0.73	1273
36-LEVEL 2 CORRIDOR (Common Space Types:Corridor/Transition >=8 ft wide)	986	0.59	582
37-DWELLING UNITS (Dormitory:Living Quarters)	5617	0.49	2752
38-FUTURE (Common Space Types:Storage)	892	0.57	508
39-ELEV SHAFT (Common Space Types:Electrical/Mechanical)	89	0.39	35
40-STOR/JAN (Common Space Types:Storage)	229	0.57	131
41-ELEC ROOM LEVEL 3 (Common Space Types:Electrical/Mechanical)	60	0.39	23
		Total Allowed Watts =	47229

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-VESTIBULE 1308 (Common Space Types:Lobby - General)				
LED: D6: DOWNLIGHT: Other:	1	6	20	120
2-LEVEL 1 RESTROOMS (Common Space Types:Restrooms)				
LED: D6: DOWNLIGHT: Other:	1	15	20	300
3-STORAGE 1267 (Common Space Types:Storage >=1000 sq.ft.)				
LED: S4A: 4' STRIP LIGHT: Other:	1	1	30	30
4-ELEC SHOP (Common Space Types:Electrical/Mechanical)				
LED: S4: 4' STRIP LIGHT: Other:	1	10	30	300
5-STORAGE 1210 (Common Space Types:Storage)				
LED: S4A: 4' STRIP LIGHT: Other:	1	4	22	88
6-RESIDENT LOBBY (Common Space Types:Lobby - General)				
LED: D6: DOWNLIGHT: Other:	1	1	20	20
LED: L8: 1.5" RECESSED LINEAR: LED Linear 11W:	1	3	12	36
7-STAIR 1 (Common Space Types:Stairwell)				
LED: S4: 3.5" SUSPENDED LINEAR: Other:	1	6	43	258
8-CIRCULATION (Common Space Types:Corridor/Transition >=8 ft wide)				
LED: L8: 1.5" RECESSED LINEAR: LED Linear 11W:	1	15	12	180
9-LEVEL 1 A2 ENTRY (Common Space Types:Lobby - General)				
LED: D6: DOWNLIGHT: Other:	1	4	20	80
10-JAN. (Common Space Types:Storage >=1000 sq.ft.)				
LED: F4: 2X4 LED: Other:	1	4	30	120
11-LEVEL 1 2A SMALL OFFICE (Common Space Types:Office - Enclosed)				
LED: F4: 2X4 LED: Other:	1	2	27	54
12-LEVEL 1 A2 STORAGE (Common Space Types:Storage)				
LED: F4: 2X4 LED: Other:	1	1	27	27
13-LEVEL 1 A2 CLOSET (Common Space Types:Storage)				
LED: L8: 1.5" RECESSED LINEAR: LED Linear 11W:	1	1	12	12
14-VEHICLE BAYS (Automotive/Vehicular Maintenance Area)				
LED: LA: 4-FOOT HAY BAY: Other:	1	66	197	13002
LED: S4: 4'STRIP LIGHT: Other:	1	1	30	30
15-LEVEL 1 A2 DISPATCH (Common Space Types:Lobby - General)				
LED: D6: DOWNLIGHT: Other:	1	5	20	100
LED: LS5: SUSPENDED LINEAR: Other:	1	3	44	132

Project Title: SUMMIT COUNTY — Report date: 11/06/24
Data filename: — Page 1 of 9

COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	SUMMIT COUNTY
Project Type:	New Construction

Construction Site: Frisco, Colorado 80424 — Owner/Agent: — Designer/Contractor:

Additional Efficiency Package(s)
Credits : 1.0 Required: 1.0 Proposed
Reduced Lighting Power: 1.0 Proposed

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-VESTIBULE 1308 (Common Space Types:Lobby - General)	551	0.90	496
2-LEVEL 1 RESTROOMS (Common Space Types:Restrooms)	1901	0.77	1464
3-STORAGE 1267 (Common Space Types:Storage >=1000 sq.ft.)	1267	0.39	494
4-ELEC SHOP (Common Space Types:Electrical/Mechanical)	4973	0.39	1939
5-STORAGE 1210 (Common Space Types:Storage)	1002	0.57	571
6-RESIDENT LOBBY (Common Space Types:Lobby - General)	908	0.90	817
7-STAIR 1 (Common Space Types:Stairwell)	899	0.52	467
8-CIRCULATION (Common Space Types:Corridor/Transition >=8 ft wide)	4675	0.59	2464
9-LEVEL 1 A2 ENTRY (Common Space Types:Lobby - General)	332	0.90	299
10-JAN. (Common Space Types:Storage >=1000 sq.ft.)	336	0.41	138
11-LEVEL 1 2A SMALL OFFICE (Common Space Types:Office - Enclosed)	367	0.84	308
12-LEVEL 1 A2 STORAGE (Common Space Types:Storage)	184	0.57	105
13-LEVEL 1 A2 CLOSET (Common Space Types:Storage)	114	0.57	65
14-VEHICLE BAYS (Automotive/Vehicular Maintenance Area)	33002	0.39	19462
15-LEVEL 1 A2 DISPATCH (Common Space Types:Lobby - General)	1735	0.90	1562
16-TOOL STORAGE (Common Space Types:Storage)	3307	0.57	1885
17-BOILER (Common Space Types:Electrical/Mechanical)	1993	0.39	777
18-ELECTRICAL 1303 (Common Space Types:Electrical/Mechanical)	3600	0.39	1404
19-IT (Common Space Types:Electrical/Mechanical)	466	0.39	182
20-STAIR 3 (Common Space Types:Stairwell)	491	0.52	255
21-WATER ENTRY (Common Space Types:Electrical/Mechanical)	1039	0.39	405
22-LEVEL 3 STORAGE 3201 (Common Space Types:Storage >=1000 sq.ft.)	373	0.41	153
23-MECHANICAL (Common Space Types:Electrical/Mechanical)	1370	0.39	534
24-PATIO (Common Space Types:Lounge/Breakroom)	595	0.56	333
25-CIRCULATION 3111 (Common Space Types:Lobby For Elevator)	196	0.90	176
26-I.T. /TELE (Common Space Types:Computer Room)	22	1.20	26
27-LEVEL 3 RESTROOMS (Common Space Types:Restrooms)	458	0.77	353
28-BREAKROOM (Common Space Types:Lounge/Breakroom)	720	0.56	403
29-QUIET ROOMS (Common Space Types:Lounge/Breakroom)	197	0.56	110
30-PRINT 3101A (Common Space Types:Copy/Print Room)	265	0.50	132
31-MULTIPUPOSE STORAGE (Common Space Types:Storage)	1327	0.57	756
32-JAN. (Common Space Types:Storage >=1000 sq.ft.)	66	0.41	27
33-LEVEL 3 OFFICES (Common Space Types:Office - Enclosed)	1945	0.84	1634

Project Title: SUMMIT COUNTY — Report date: 11/06/24
Data filename: — Page 1 of 9

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR.

ISSUE DATE:	NOVEMBER 7, 2024
CONSULTANTS PROJECT #	
SOLICITATION NO.:	
CONTRACT NO.:	
FILE NUMBER:	
FILE NAME:	
DESIGN BY:	FV/EWD
DOC PROJECT NUMBER	202102
DRAWN BY:	FV/ZWD
CKD BY:	PMS
SBMT BY:	PMS
PLOT DATE:	11/6/2024 11:31:55 AM
PLOT SCALE	1" = 1'-0"
SIZE:	22" X 34"

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

TRANSIT HEADQUARTERS

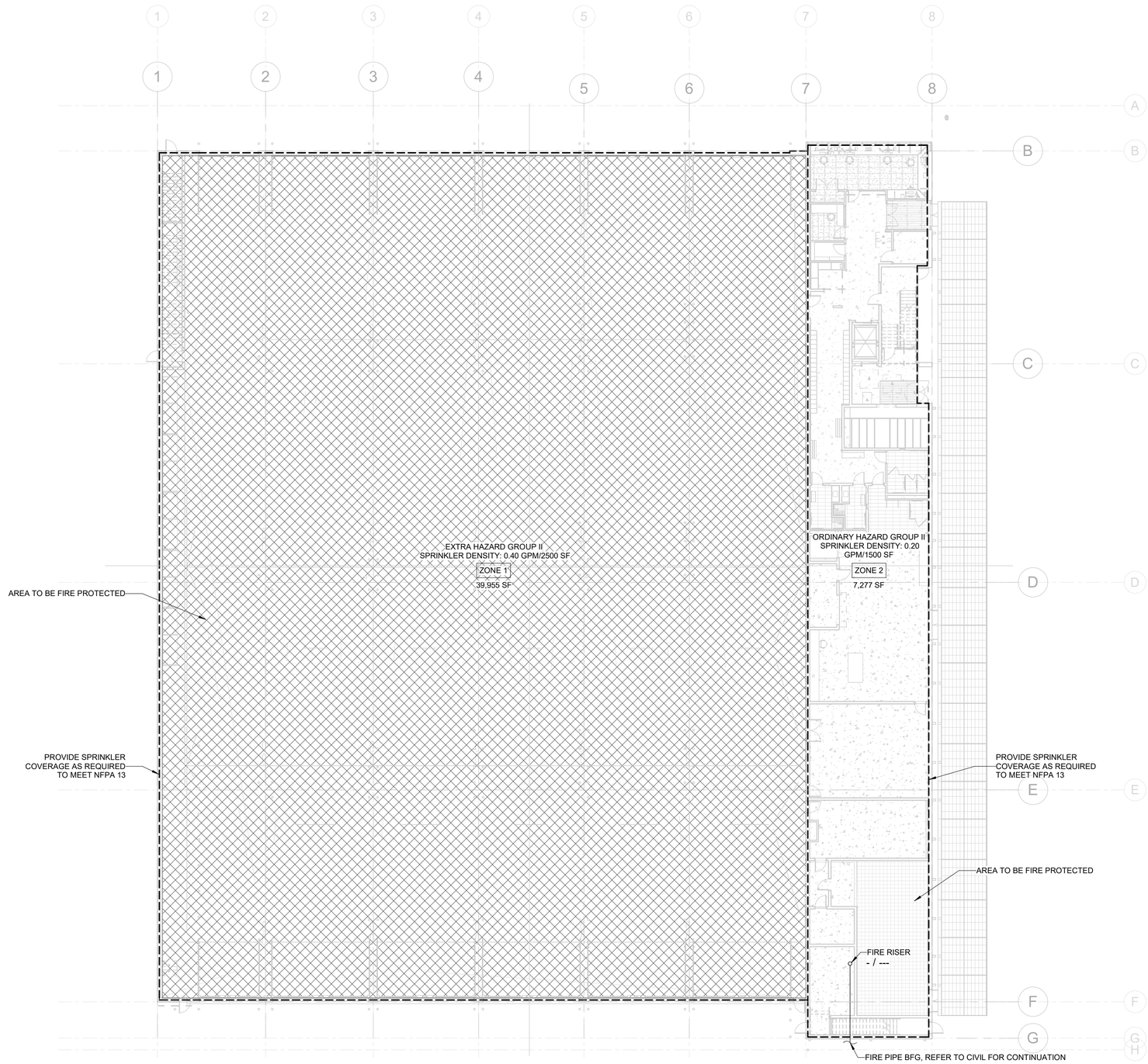
FRISCO, COLORADO 80424

VOLTAGE DROP AND FAULT CALCULATIONS

SHEET IDENTIFICATION

E-634

E-634-



1 FIRST FLOOR FIRE PROTECTION PLAN

1/16" = 1'-0"

FIRE PROTECTION SHEET LIST

SHEET NUMBER	SHEET NAME
FP-001	FIRE PROTECTION FLOOR PLAN- FIRST FLOOR
FP-002	FIRE PROTECTION FLOOR PLAN- SECOND FLOOR
FP-003	FIRE PROTECTION FLOOR PLAN- THIRD FLOOR
FP-004	FIRE PROTECTION DETAILS

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR.

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: DAB
D2C PROJECT NUMBER 202102
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CKD BY: CB
SBMT BY: CB
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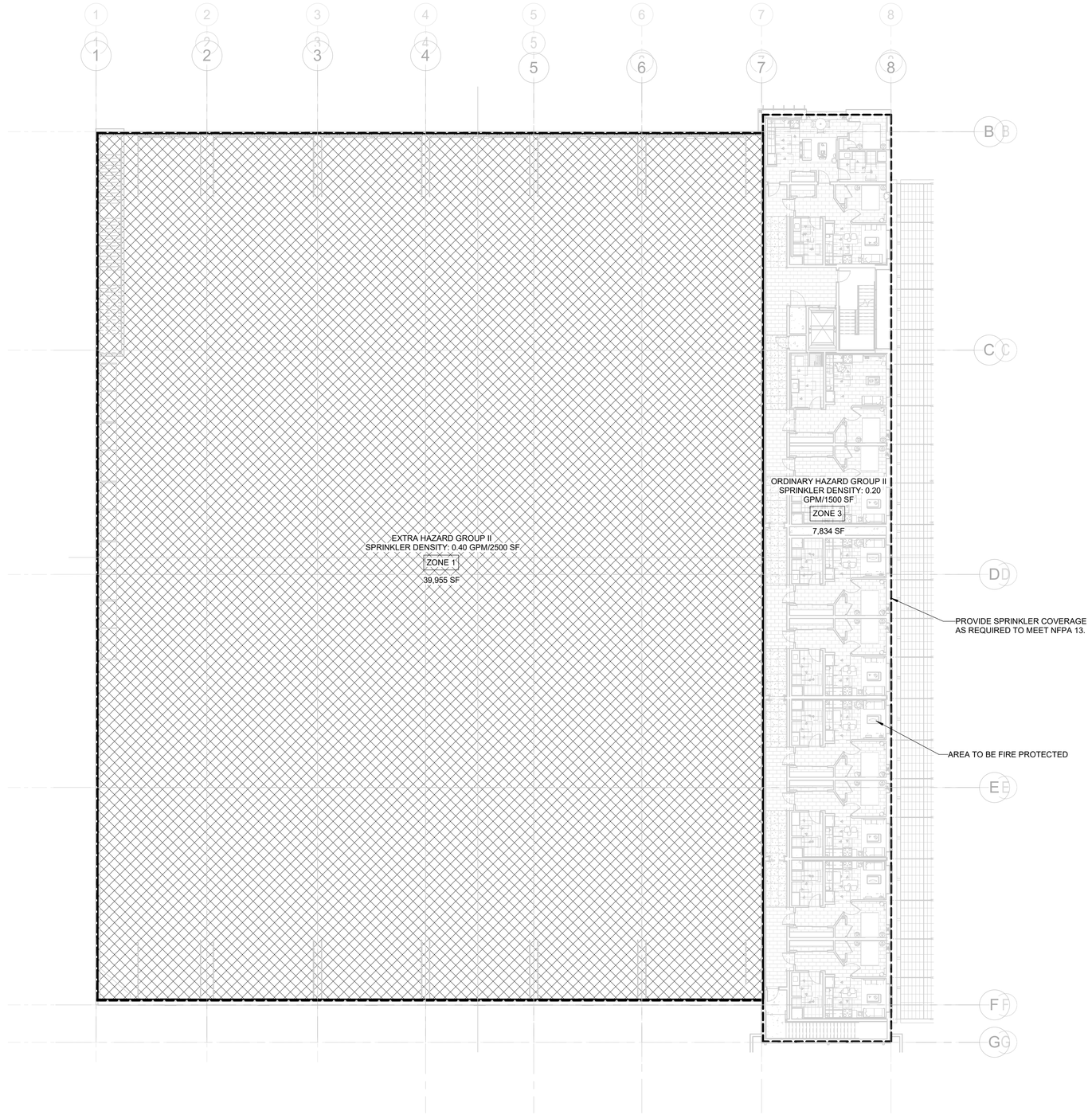
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SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

FIRE PROTECTION FLOOR PLAN- FIRST FLOOR

SHEET IDENTIFICATION
FP-001

FP-001-



1 SECOND FLOOR FIRE PROTECTION PLAN

1/16" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

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DESIGN BY: DAB
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DRAWN BY: DAB
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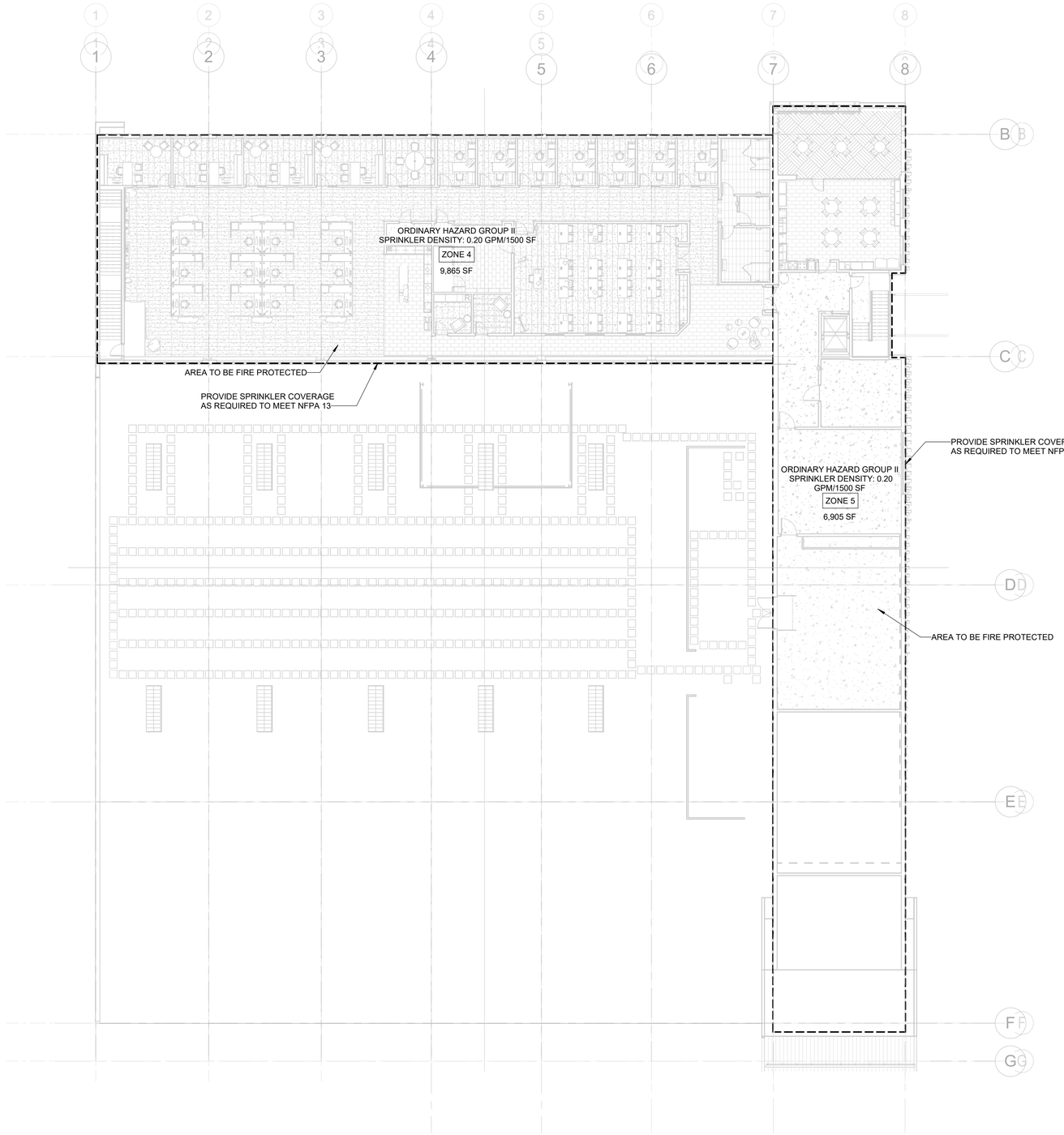
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SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
FIRE PROTECTION FLOOR PLAN- SECOND FLOOR

SHEET IDENTIFICATION
FP-002

FP-002-



D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR.

DESIGN BY: DAB		ISSUE DATE: **NOVEMBER 7, 2024**	CONSULTANTS PROJECT #
D2C PROJECT NUMBER 202102		CKD BY: CB	SOLICITATION NO.:
DRAWN BY: DAB		PLOT DATE: 11/6/2024 10:57:22 AM	CONTRACT NO.:
SBMT BY: CB		PLOT SCALE: 1/16" = 1'-0"	FILE NUMBER:
SIZE: 22" x 34"	FILE NAME:		

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SUMMIT COUNTY

TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

FIRE PROTECTION FLOOR PLAN- THIRD FLOOR

SHEET IDENTIFICATION

FP-003

FP-003-

FIRE PROTECTION SPECIFICATIONS

1. THIS IS A PERFORMANCE SPECIFICATION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PERMITS, FEES, DESIGN, MATERIAL, FABRICATION, STORAGE, INSTALLATION AND TESTING FOR A COMPLETE AND OPERABLE FIRE SPRINKLER SYSTEM.

2. IT IS THE FIRE PROTECTION CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DOCUMENTS INCLUDING (BUT NOT LIMITED TO) ARCHITECTURAL, CIVIL, ELECTRICAL, PLUMBING, MECHANICAL, AND STRUCTURAL DISCIPLINES WHEN DESIGNING THE FIRE PROTECTION SYSTEM. THE FIRE PROTECTION CONTRACTOR SHALL ACKNOWLEDGE ON THEIR SHOP DRAWINGS THAT THEY HAVE REVIEWED ALL DESIGN DOCUMENTS AS PART OF THE PREPARATION OF THE FIRE PROTECTION SYSTEM DESIGN.

3. SYSTEM SHALL MEET THE REQUIREMENTS OF NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13, 24, THE NATIONAL ELECTRICAL CODE (NEC), AS WELL AS LOCAL BUILDING OFFICIALS, WATER DEPARTMENT AND STATE FIRE MARSHAL REQUIREMENTS AS APPLICABLE.

4. SUBMIT COMPLETE SET OF SHOP DRAWINGS INCLUDING NECESSARY CALCULATIONS AND CATALOG CUTS OF MATERIALS TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL. OBTAIN APPROVAL PRIOR TO INSTALLATION. DRAWINGS AND CALCULATIONS SHALL BE CERTIFIED BY A MINIMUM NATIONAL INSTITUTE FOR CERTIFICATION ENGINEERING TECHNOLOGY LEVEL III TECHNICIAN.

5. SYSTEM SHALL BE HYDRAULICALLY DESIGNED. CONTRACTOR SHALL OBTAIN LATEST WATER SUPPLY INFORMATION AND DETERMINE SPRINKLER HEAD SPACING AND DESIGN DENSITIES FOR HYDRAULIC CALCULATIONS. REQUIRED SYSTEM PRESSURE SHALL BE A MINIMUM OF 10% BELOW THE AVAILABLE PRESSURE AT SYSTEM DEMAND.

6. PLANS FOR INSTALLATION OF ANY FIRE ALARM, OR FIRE SPRINKLER SYSTEM SHALL BE SUBMITTED UNDER SEPARATE PERMIT BY CONTRACTORS LICENSED BY THE STATE FIRE MARSHAL'S OFFICE TO DO THIS WORK, A SEPARATE PERMIT IS REQUIRED FOR EACH TYPE OF SYSTEM.

7. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID, IN ORDER TO DETERMINE THE EXACT SCOPE OF WORK.

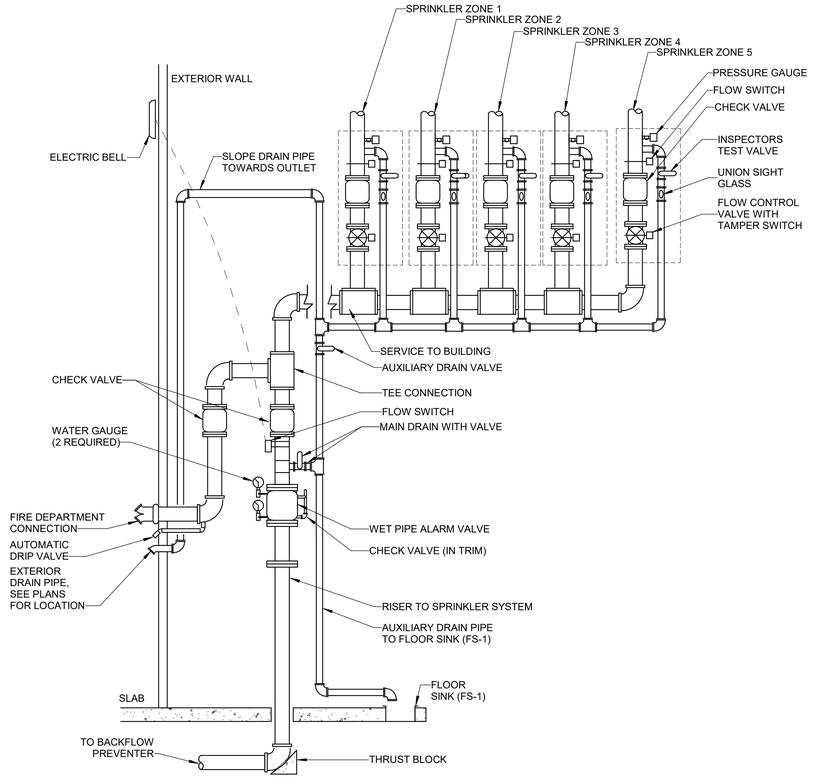
8. ALL PIPING SHALL BE SUSPENDED AND BRACED IN STRICT ACCORDANCE WITH NFPA 13, 2018 IBC, AND ASCE 7.

9. THE CONTRACTOR GUARANTEES THAT ALL WORK INSTALLED SHALL BE FREE OF ALL DEFECTS IN WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE CERTIFICATION OF COMPLETION AND ACCEPTANCE OF WORK.

10. AFTER SYSTEM IS COMPLETELY INSTALLED, IT SHALL BE FILLED AND TESTED IN ACCORDANCE WITH LOCAL REQUIREMENTS, NFPA 13, AND THE REQUIREMENTS OF THE APPLICABLE NFPA BULLETINS.

12. IN LIEU OF RIGID PIPE OFFSETS OR RETURN BENDS FOR SPRINKLER DROPS, MULTIPLE-USE FLEXIBLE STAINLESS STEEL SPRINKLER DROP SYSTEM MAY BE USED TO LOCATE SPRINKLERS AS REQUIRED. THE DROP SYSTEM SHALL CONSIST OF A BRAIDED OR UNBRAIDED (CORRUGATED) TYPE 304 STAINLESS STEEL FLEXIBLE TUBE, A ZINC PLATED STEEL 1" NPT MALE THREADED NIPPLE FOR CONNECTION TO BRANCHLINE PIPING, AND A ZINC PLATED STEEL REDUCER WITH A 1/2" OR 3/4" NPT FEMALE THREAD FOR CONNECTION TO THE SPRINKLER HEAD. THE BRAIDED DROP SYSTEM SHALL BE FM APPROVED FOR SPRINKLER SERVICES TO 200 PSI AND CAN BE INSTALLED WITHOUT THE USE OF TOOLS, AND THE CORRUGATED SYSTEM SHALL BE UL LISTED FOR SPRINKLER SERVICES TO 175 PSI. ALL HOSES SHALL BE FACTORY-PRESSURE TESTED TO 400 PSI.

13. CONTRACTOR SUBMITTALS WHICH DEVIATE FROM THE ABOVE MINIMUM DESIGN PARAMETERS SHALL BE CONSIDERED MATERIAL DEVIATIONS AND REQUIRE SUPPLEMENTAL ENGINEERING APPROVAL AND DOCUMENTATION



1 FIRE SERVICE ENTRY

N.T.S

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: DAB	ISSUE DATE: **NOVEMBER 7, 2024**		
D2C PROJECT NUMBER 202102	CONSULTANTS PROJECT #	SOLICITATION NO.:	
DRAWN BY: DAB	CKD BY: CB	PLOT DATE: 11/6/2024 10:57:22 AM	CONTRACT NO.:
SBMT BY: CB	PLOT SCALE: 1/2" = 1'-0"		FILE NUMBER:
SIZE: 22" x 34"	FILE NAME:		

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

FIRE PROTECTION DETAILS

SHEET IDENTIFICATION

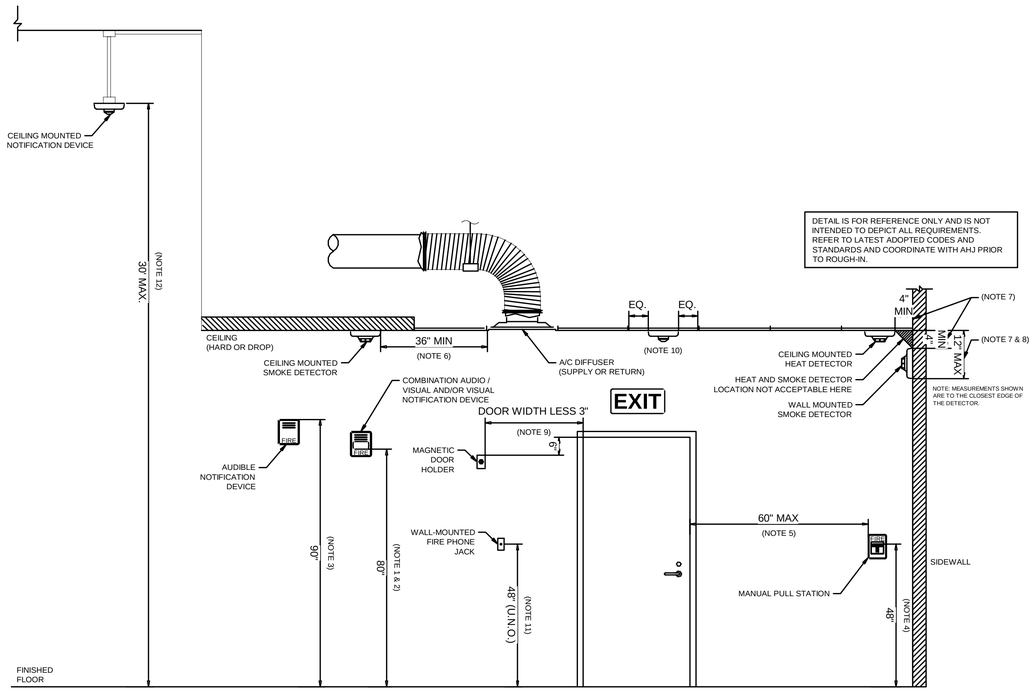
FP-004

FP-004-

FIRE ALARM DRAWING SCHEDULE

SHEET NUMBER	SHEET NAME
F-001	FIRE ALARM SYMBOLS LEGENDS
F-111	ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 1
F-112	ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 2
F-113	ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 3
F-114	ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 4
F-122	ENLARGED FIRE ALARM PLAN - SECOND FLOOR, AREA 2
F-124	ENLARGED FIRE ALARM PLAN - SECOND FLOOR, AREA 4
F-131	ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 1
F-132	ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 2
F-133	ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 3
F-134	ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 4
F-601	FIRE ALARM RISER DIAGRAM

FIRE ALARM		MOUNTING (UON)
S	SMOKE DETECTOR.	C
S	DUCT SMOKE DETECTOR.	FVM
S CO	SMOKE/CO DETECTOR.	FVM
	HEAT DETECTOR.	C
FS	FLOW SWITCH.	W
TS	TAMPER SWITCH.	W
AR	RELAY MODULE.	FVM
AI	MONITOR MODULE	W
CO	CARBON MONOXIDE DETECTOR.	W
	FIRE STROBE, CEILING MOUNTED.	C
H CLG	FIRE HORN STROBE, CEILING MOUNTED.	C
	FIRE STROBE, WALL MOUNTED AT +84" AFF.	W
H	FIRE HORN, WALL MOUNTED AT +84" AFF.	
H	FIRE HORN STROBE, WALL MOUNTED AT +84" AFF.	W
WALL	FIRE ALARM CONTROL PANEL, SURFACE MOUNTED.	W



NOTES:
1. 80" ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6" BELOW THE CEILING, WHICHEVER IS LOWER.
2. 80" MIN AND 96" MAX ABOVE FINISHED FLOOR.
3. 90" MIN ABOVE FINISHED FLOOR AND 6" MIN BELOW FINISHED CEILING.
4. TOP OF OPERATING HANDLE SHALL BE 48" MAX ABOVE FINISHED FLOOR FOR FORWARD REACH, 54" MAX ABOVE FINISHED FLOOR FOR SIDE REACH, AND 15" MIN ABOVE FINISHED FLOOR.
5. WITHIN 60" OF EXIT DOORWAYS.
6. DO NOT LOCATE IN A DIRECT AIRFLOW OR CLOSER THAN 38" MIN FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
7. HEAT DETECTORS: 4" MIN FROM THE SIDEWALL OR BETWEEN 4" AND 12" FROM CEILING.
8. SMOKE DETECTORS: 12" MAX DOWN FROM CEILING.
9. REFER TO MANUFACTURER'S INSTALLATION MANUAL FOR SPECIFIC REQUIREMENTS AND MODIFY ACCORDINGLY.
10. CENTER CEILING MOUNTED DEVICES IN CEILING TILES.
11. NOT LESS THAN 36" AND NOT MORE THAN 66" ABOVE FLOOR LEVEL WITH CLEAR ACCESS TO THE APPLIANCE THAT IS AT LEAST 30" WIDE.
12. NOTIFICATION DEVICES SHALL NOT BE MOUNTED ABOVE +30' AFF. PROVIDE MOUNTING APPARATUS AS REQUIRED.

1 FIRE ALARM DEVICE MOUNTING HEIGHTS

FIRE ALARM GENERAL NOTES

1. FIRE ALARM SYSTEM DESIGN: FIRE ALARM SYSTEM DESIGN AS SHOWN IS CONCEPTUAL. LOCATION AND QUANTITY OF LIFE SAFETY EQUIPMENT AND FIELD DEVICES DEPICTED ON DRAWINGS ARE RECOMMENDATIONS TO CONTRACTOR FOR BIDDING PURPOSES ONLY. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE FINAL DESIGN IN ACCORDANCE WITH APPLICABLE CODES AND LOCAL REQUIREMENTS. EXACT ROUTING OF CONDUIT TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PERMIT: FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR OBTAINING A SEPARATE FIRE ALARM PERMIT AND PROVIDING A DETAILED SET OF SHOP DRAWINGS FOR APPROVAL BY ENGINEER AND LOCAL FIRE MARSHAL PRIOR TO START OF SYSTEM INSTALLATION AS REQUIRED BY THE MUNICIPALITY. SHOP DRAWINGS FOR THE FIRE ALARM SYSTEM(S) SHALL INCLUDE NOT LESS THAN THE MINIMUM REQUIRED DOCUMENTATION PER LOCAL FIRE MARSHAL AND NFPA 72.
3. SUBMITTALS: PROVIDE THE FOLLOWING DOCUMENTS FOR REVIEW AND APPROVAL:
   A. FLOOR PLAN LAYOUT INDICATING FINAL DEVICE LOCATIONS, INCLUDING CANDELA RATINGS FOR ALARM NOTIFICATION APPLIANCES, AND USE OF ALL ROOMS.
   B. BATTERY CAPACITY CALCULATIONS INDICATING REQUIRED AND SPARE CAPACITY.
   C. NOTIFICATION APPLIANCE CIRCUIT CALCULATIONS AND VOLTAGE DROP CALCULATIONS (FOR THE SYSTEM TO BE INSTALLED).
   D. EQUIPMENT CUT SHEETS WITH CATALOG NUMBERS AND DESCRIPTIONS CLEARLY HIGHLIGHTED TO SPECIFICALLY INDICATE WHICH PRODUCTS ARE PROPOSED FOR USE.
   E. RISER DIAGRAM.
   F. WRITTEN NARRATIVE PROVIDING INTENT AND SYSTEM DESCRIPTION.
   G. SEQUENCE OF OPERATION IN EITHER AN INPUT/OUTPUT MATRIX OR NARRATIVE FORM.
4. COORDINATION: COORDINATE INSTALLATION W/ OTHER TRADES. REFER TO THE ARCHITECTURAL PLANS FOR DIMENSIONS, ROOM FINISHES, FIRE WALLS, DOOR HARDWARE SCHEDULES AND LIKE ITEMS. REFER TO THE STRUCTURAL DRAWINGS FOR STRUCTURAL MEMBERS. REFER TO OTHER TRADES PLANS TO UNDERSTAND THE EXTENT OF THEIR WORK AS REQUIRED. REPORT ANY DISCREPANCIES TO THE ENGINEER FOR CLARIFICATION.
5. REGULATIONS: FIRE ALARM SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL FIRE MARSHAL REQUIREMENTS, MANUFACTURER'S WRITTEN INSTRUCTIONS, RECOGNIZED INDUSTRY PRACTICES, AND THE LATEST ADOPTED OF ALL APPLICABLE CODES AND REGULATIONS SUCH AS NFPA 72, NFPA 70, NFPA 101, AND ADA. FURNISH AND INSTALL ALL FIRE ALARM EQUIPMENT, RACEWAY SYSTEM, CONDUCTORS, DEVICES, AND ALL OTHER ACCESSORIES AS REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL FIRE ALARM SYSTEM. SYSTEMS AND COMPONENTS SHALL BE LISTED AND APPROVED FOR THE PURPOSE FOR WHICH THEY ARE INSTALLED. FOLLOW MANUFACTURER CUT SHEET AS APPROPRIATE.
6. AUDIBLE NOTIFICATIONS: AUDIBLE ALARM NOTIFICATION APPLIANCES SHALL BE OF SUCH CHARACTER AND SO LOCATED, AS TO BE CLEARLY HEARD THROUGHOUT AND ABOVE AMBIENT NOISE LEVELS.
7. NOTIFICATION APPLIANCES: NOTIFICATION APPLIANCES MAY BE OF CONVENTIONAL OR ADDRESSABLE TYPE. FOR ADDRESSABLE APPLIANCES, PROVIDE LABELS WITH ASSIGNED ADDRESS ON BOTH THE DETECTOR HOUSING AND THE BASE WITH A BLACK ON CLEAR TYPED LABEL. THE BASE ADDRESS SHALL BE LEGIBLE WITHOUT REMOVAL OF THE DETECTOR. THE DETECTOR ADDRESS SHALL BE CONCEALED WITH PLACED INTO THE BASE.
8. POWER SUPPLY: THE PRIMARY AND SECONDARY POWER SUPPLY FOR THE FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 72.
9. SPARE: CIRCUITS SHALL CONTAIN AT LEAST 20 PERCENT SPARE CAPACITY FOR NOTIFICATION APPLIANCES ON THE NAC AND/OR AMPLIFIER CIRCUITS AND 20 PERCENT SPARE CAPACITY FOR INITIATING DEVICES ON THE SLC.
10. MANUALS: PROVIDE THE OWNER WITH A COMPLETE FIRE ALARM SYSTEM OPERATIONS AND INSTALLATION MANUAL COVERING ALL SYSTEM EQUIPMENT INSTALLED FOR THIS PROJECT. KEEP AT THE MAIN FIRE ALARM CONTROL PANEL.
11. TERMINATIONS: CONNECTIONS AND SPLICES SHALL BE MADE USING SCREW TERMINAL BLOCKS. THE USE OF WIRE NUT TYPE CONNECTORS IS PROHIBITED IN THE SYSTEM.
12. RACEWAY AND WIRING: PATHWAY SHALL BE INSTALLED IN EMT IN THE MANUFACTURING AREAS OF THE PLANT AND WITHIN WALLS AND WHERE INACCESSIBLE WITHIN THE OFFICES AREAS. CABLING SHALL BE PROTECT FROM DAMAGE AND SECURED IN OPEN PATHWAYS USING CABLE TRAY OR J-HOOKS. EXPOSED EMT CONDUIT SHALL BE PAINTED RED ENAMEL. CONTRACTOR SHALL COORDINATE ROUTINGS WITHIN THESE EXPOSED AREAS TO PRODUCE A SYMMETRIC AND AESTHETIC LAYOUT.
13. CERTIFICATION: CERTIFY INSTALLATION WITH THE SUCCESSFUL COMPLETION OF ALL ASSOCIATED NFPA 72 TESTS AND MEASURE SOUND PRESSURE LEVELS IN ALL ROOMS (IF APPLICABLE) WITHIN THE SCOPE OF THIS PROJECT.
14. TESTING: SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH NFPA REQUIREMENT. THE OWNER'S REPRESENTATIVE AND AHJ SHALL BE PRESENT FOR THE TEST. THE CONTRACTOR SHALL CARRY ALL COSTS ASSOCIATED WITH FINAL CONNECTIONS, PROGRAMMING AND TESTING AS WELL AS DISABLING CONNECTIONS TO THE MUNICIPAL LOOP DURING FINAL CONNECTIONS AND TESTING. EQUIPMENT NOT OPERATING CORRECTLY SHALL BE FIELD CORRECTED OR REPLACED.
15. WARRANTY: CONTRACTOR SHALL WARRANTY ALL WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM FINAL INSPECTION.
16. KNOX BOX: THE ACCESS BOX(ES) SHALL BE OF AN APPROVED TYPE LISTED IN ACCORDANCE WITH UL 1037.
17. ACCESS CONTROL: ACCESS CONTROL SYSTEMS ALONG WITH THE PATH OF EGRESS SHALL BE DESIGNED FOR FIRE-RATED APPLICATION.
18. ELECTRIC GATES: ELECTRIC GATES SHALL BE EQUIPPED WITH A MEANS OF OPENING THE GATE BY FIRE DEPARTMENT PERSONNEL FOR EMERGENCY ACCESS. EMERGENCY OPENING DEVICES SHALL BE APPROVED BY THE FIRE CODE OFFICIAL.
19. ACCESS-CONTROLLED EGRESS DOOR: ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY UNLOCK THE DOOR LEAVES IN THE DIRECTION OF EGRESS, AND THE DOOR LEAVES SHALL REMAIN UNLOCKED UNTIL THE FIRE ALARM CONDITION IS MANUALLY RESET.
20. SUPERVISION AND ALARMS: ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS, PUMPS, TANKS, WATER LEVELS AND TEMPERATURES, CRITICAL AIR PRESSURE, AND WATERFLOW SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRICALLY SUPERVISED BY A LISTED FIRE ALARM CONTROL UNIT.
21. MONITORING: ACTUATION OF THE AUTOMATIC SPRINKLER SYSTEM SHALL ACTUATE THE BUILDING FIRE ALARM SYSTEM.
22. DUCT SMOKE DETECTORS: DUCT SMOKE DETECTORS ARE REQUIRED TO BE CONNECTED TO THE FIRE ALARM AND SIGNALING SYSTEM AND SHALL INITIATE A SUPERVISORY SIGNAL. SMOKE DETECTORS MOUNTED IN THE AIR DUCTS OF HVAC SYSTEMS IN A FIRE ALARM SYSTEM WITHOUT A CONSTANTLY ATTENDED LOCATION OR SUPERVISING STATION SHALL BE PERMITTED TO INITIATE AN ALARM SIGNAL.

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: GV	ISSUE DATE: NOVEMBER 7, 2024
D2C PROJECT NUMBER 202102	CONSULTANTS PROJECT #
DRAWN BY: GV	CKD BY: PMS
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	SIZE: 22" x 34"

90% CONSTRUCTION DOCUMENTS

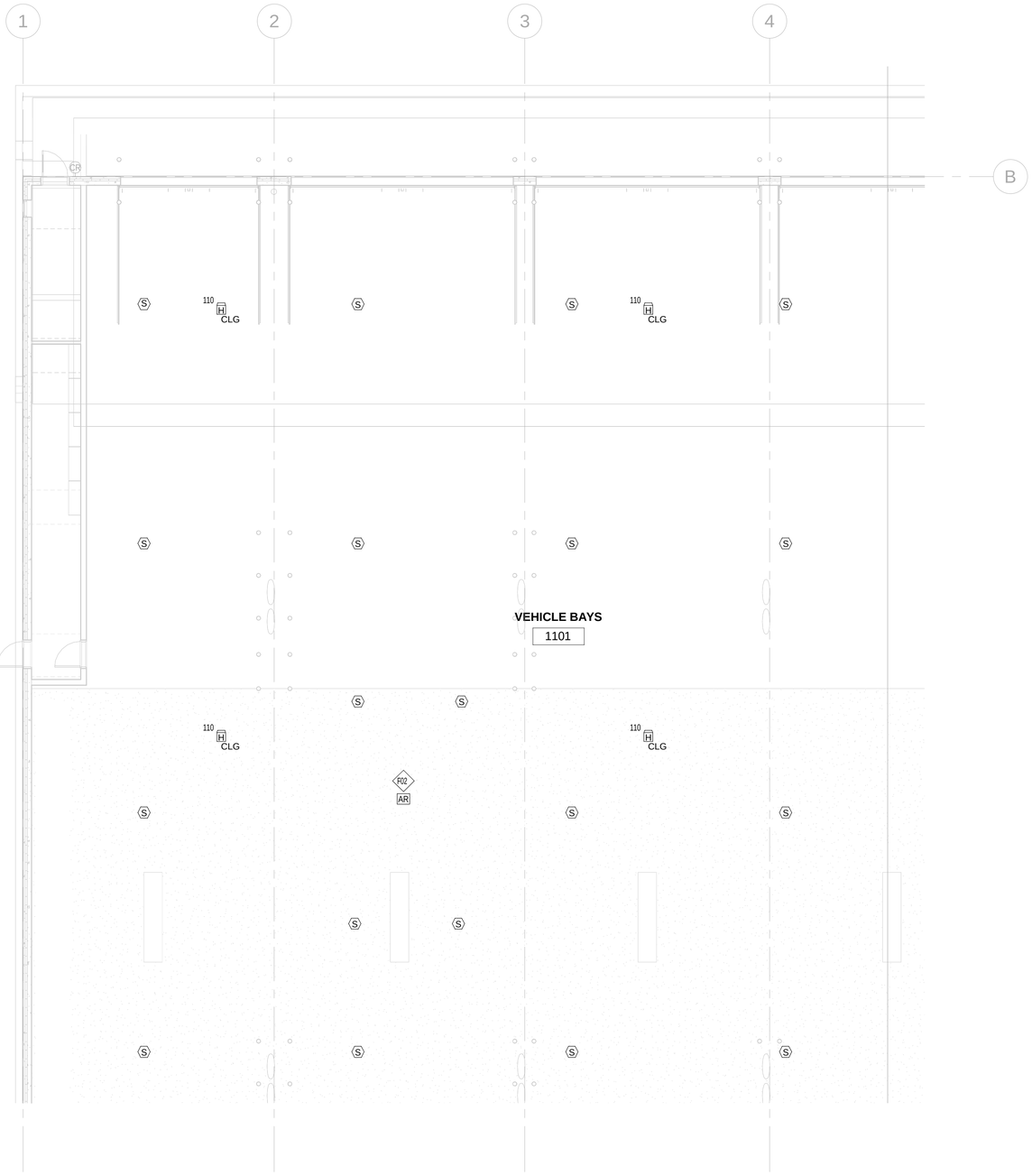
NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

FIRE ALARM SYMBOLS LEGENDS

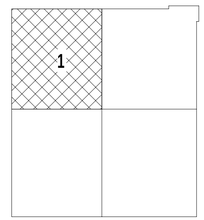
SHEET IDENTIFICATION
F-001

F-001-



SHEET KEYNOTES

F02 PROVIDE CONTROL RELAY MODULE FOR SHUTDOWN OF HIGH VOLUME LOW SPEED FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.



N

KEY PLAN
NOT TO SCALE

1 ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 1

1/8" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: GV
D2C PROJECT NUMBER 202102
DRAWN BY: GV
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 2:33:51 PM
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SIZE: 22" x 34"
FILE NAME:

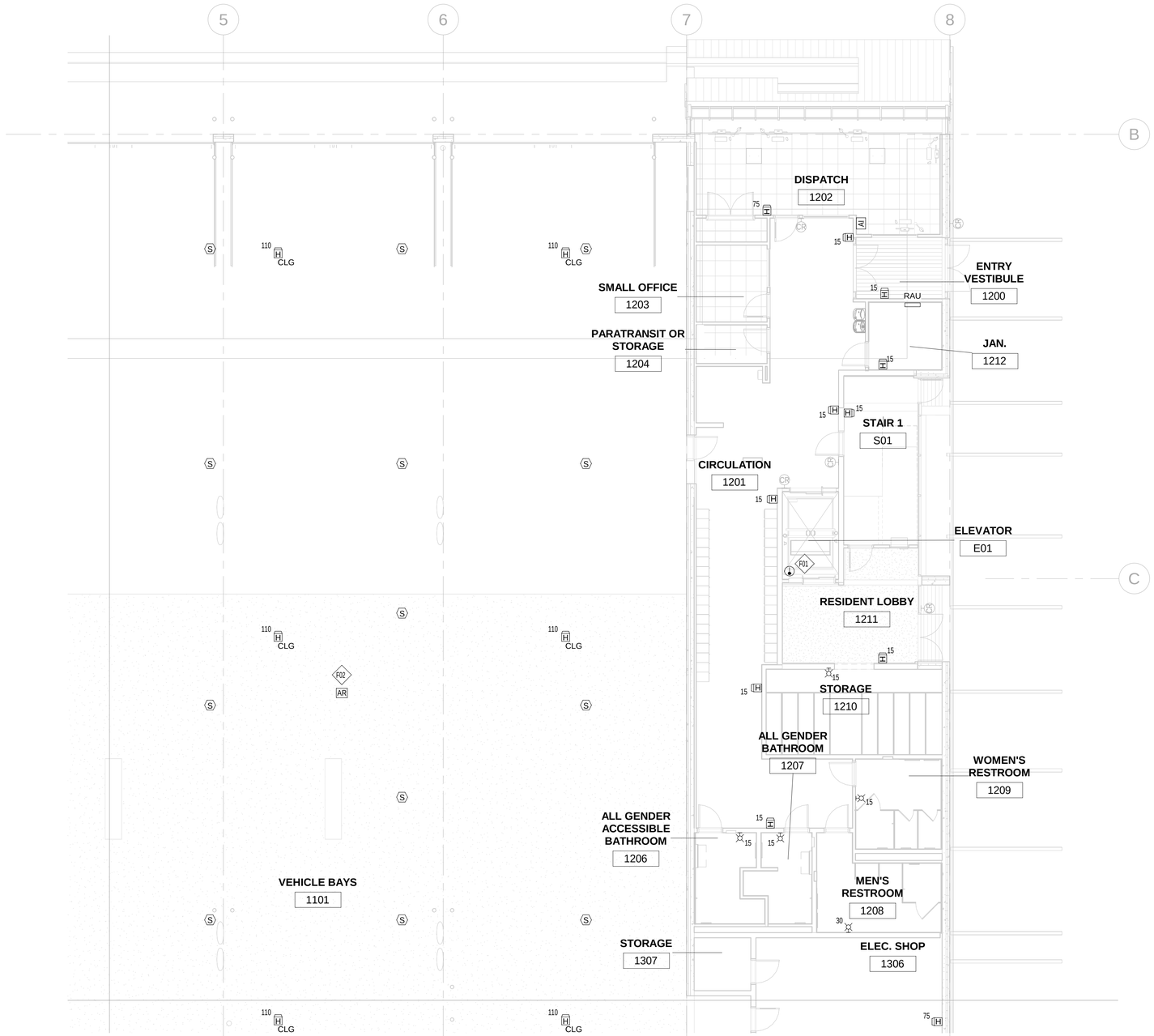
90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 1

SHEET IDENTIFICATION
F-111



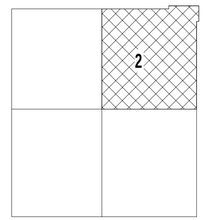
1 ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 2

1/8" = 1'-0"

SHEET KEYNOTES

F01 PROVIDE HEAT DETECTOR WITHIN 24" OF EACH SPRINKLER HEAD IN ELEVATOR PIT. VERIFY QUANTITY WITH FIRE PROTECTION INSTALLER.

F02 PROVIDE CONTROL RELAY MODULE FOR SHUTDOWN OF HIGH VOLUME LOW SPEED FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR.

DESIGN BY: GV	ISSUE DATE: NOVEMBER 7, 2024
D2C PROJECT NUMBER 202102	CONSULTANTS PROJECT #
DRAWN BY: GV	CKD BY: PMS
SBMT BY: PMS	PLOT DATE: 11/6/2024 2:33:39 PM
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SIZE: 22" x 34"	FILE NAME:

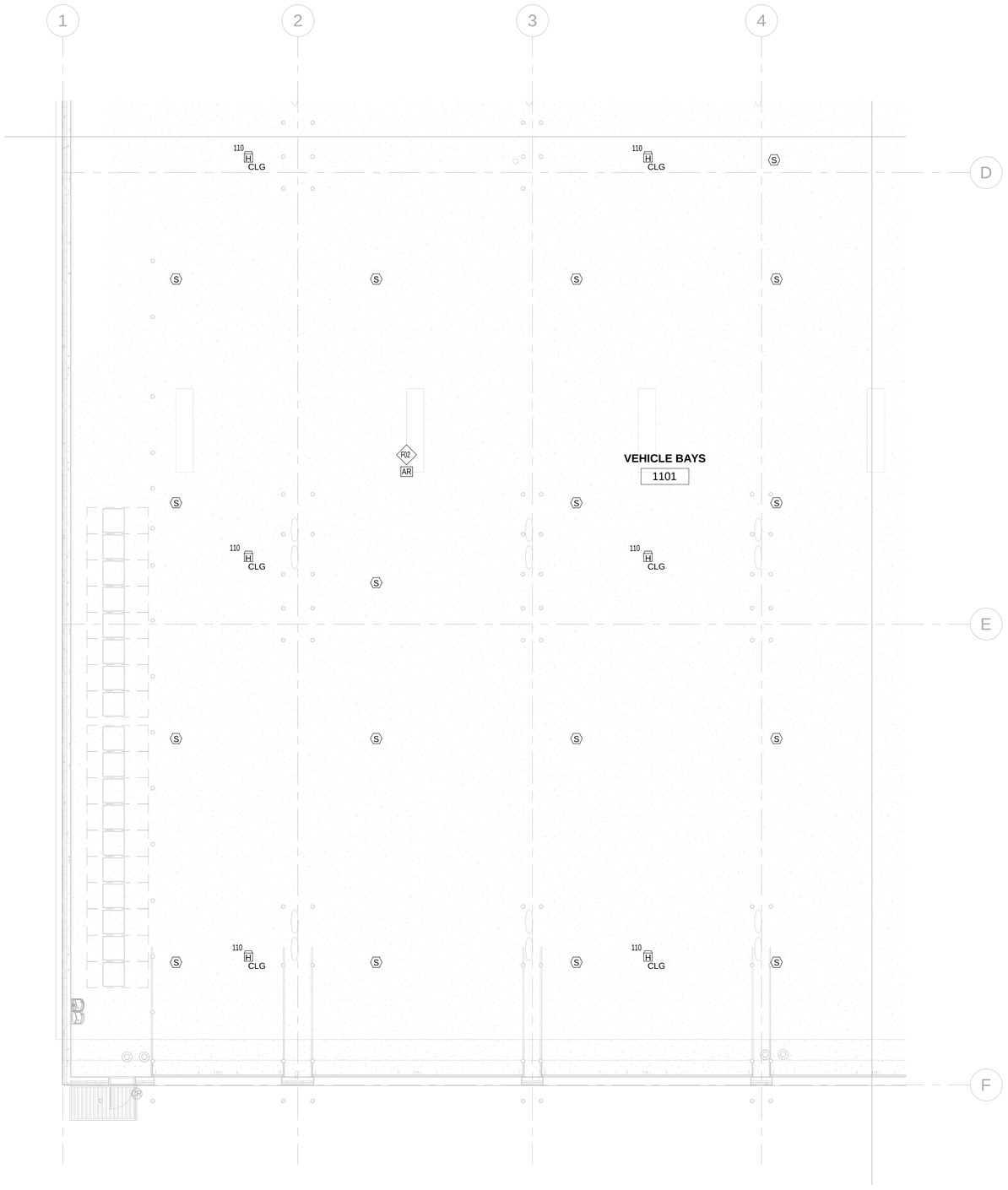
90% CONSTRUCTION DOCUMENTS

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SUMMIT COUNTY
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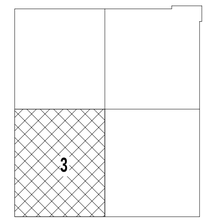
ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 2

SHEET IDENTIFICATION
F-112



SHEET KEYNOTES

F02 PROVIDE CONTROL RELAY MODULE FOR SHUTDOWN OF HIGH VOLUME LOW SPEED FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.



KEY PLAN
NOT TO SCALE

1 ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 3

1/8" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: GV
D2C PROJECT NUMBER 202102
DRAWN BY: GV
SBMT BY: PMS
PLOT SCALE: 1/8" = 1'-0"
SIZE: 22" x 34"
ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
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PLOT DATE: 11/6/2024 1:34:09 PM
CONTRACT NO.:
FILE NUMBER:
FILE NAME:

90% CONSTRUCTION DOCUMENTS

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SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

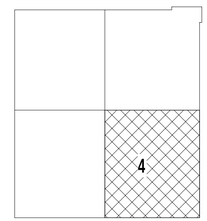
ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 3

SHEET IDENTIFICATION
F-113



SHEET KEYNOTES

F02 PROVIDE CONTROL RELAY MODULE FOR SHUTDOWN OF HIGH VOLUME LOW SPEED FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.



KEY PLAN
NOT TO SCALE

1 ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 4

1/8" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: GV
D2C PROJECT NUMBER 202102
DRAWN BY: GV
SBMT BY: PMS
PLOT SCALE: 1/8" = 1'-0"
SIZE: 22" x 34"
ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
PLOT DATE: 11/6/2024 2:34:19 PM
FILE NUMBER:
FILE NAME:

90% CONSTRUCTION DOCUMENTS

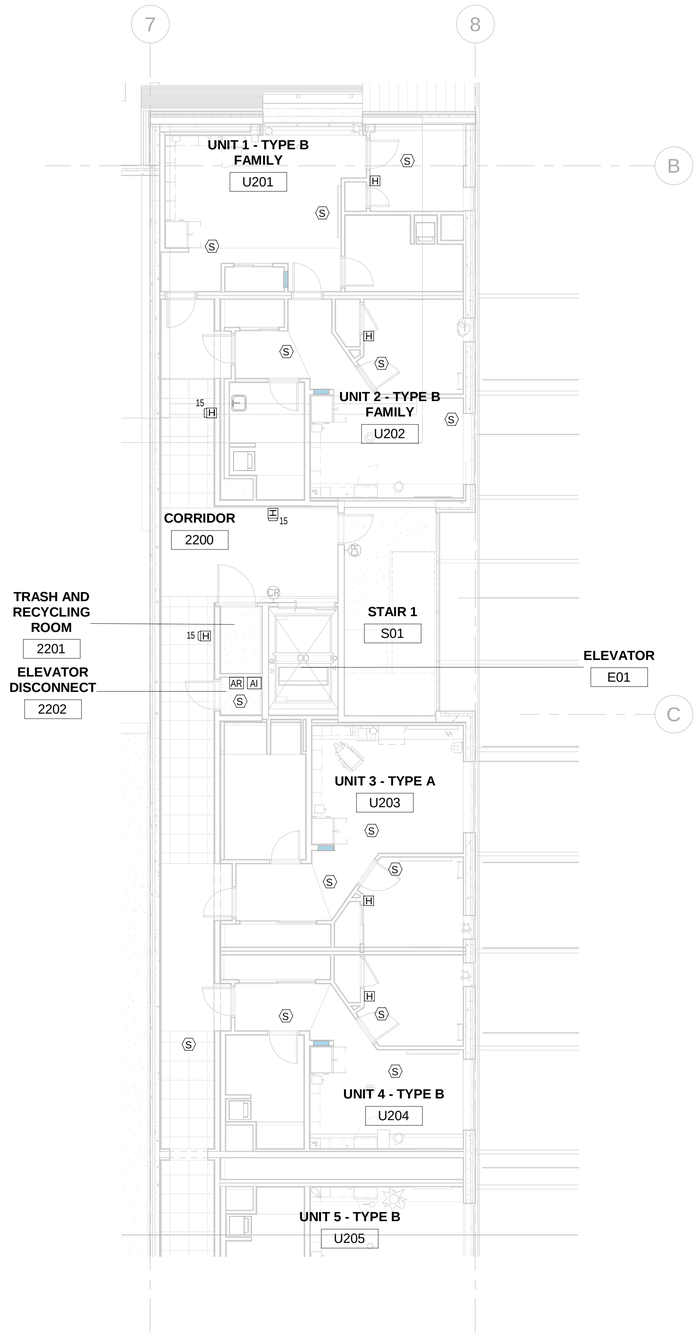
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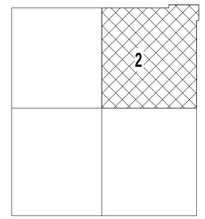
SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED FIRE ALARM PLAN - FIRST FLOOR, AREA 4

SHEET IDENTIFICATION
F-114

F-114-





N

KEY PLAN
NOT TO SCALE

1 ENLARGED FIRE ALARM PLAN - SECOND FLOOR, AREA 2

1/8" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: GV
D2C PROJECT NUMBER 202102
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CKD BY: PMS
SBMT BY: PMS
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FILE NAME:

90% CONSTRUCTION DOCUMENTS

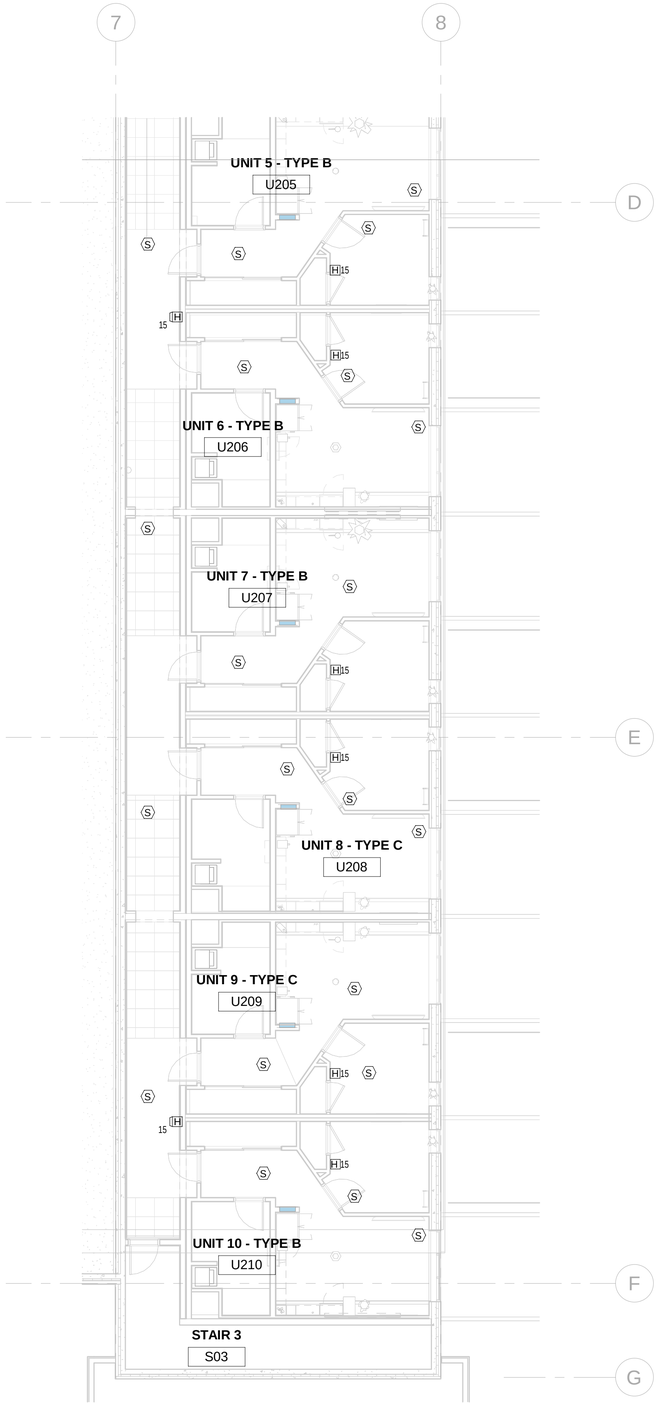
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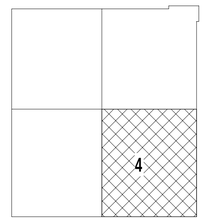
SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED FIRE ALARM PLAN - SECOND FLOOR, AREA 2

SHEET IDENTIFICATION
F-122

F-122-





N

KEY PLAN
NOT TO SCALE

1 ENLARGED FIRE ALARM PLAN - SECOND FLOOR, AREA 4

1/8" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: GV	ISSUE DATE: NOVEMBER 7, 2024
D2C PROJECT NUMBER 202102	CONSULTANTS PROJECT #
DRAWN BY: GV	CKD BY: PMS
	SOLICITATION NO.:
SBMT BY: PMS	PLOT DATE: 11/6/2024 2:34:28 PM
	CONTRACT NO.:
PLOT SCALE: 1/8" = 1'-0"	FILE NUMBER:
SIZE: 22" x 34"	FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

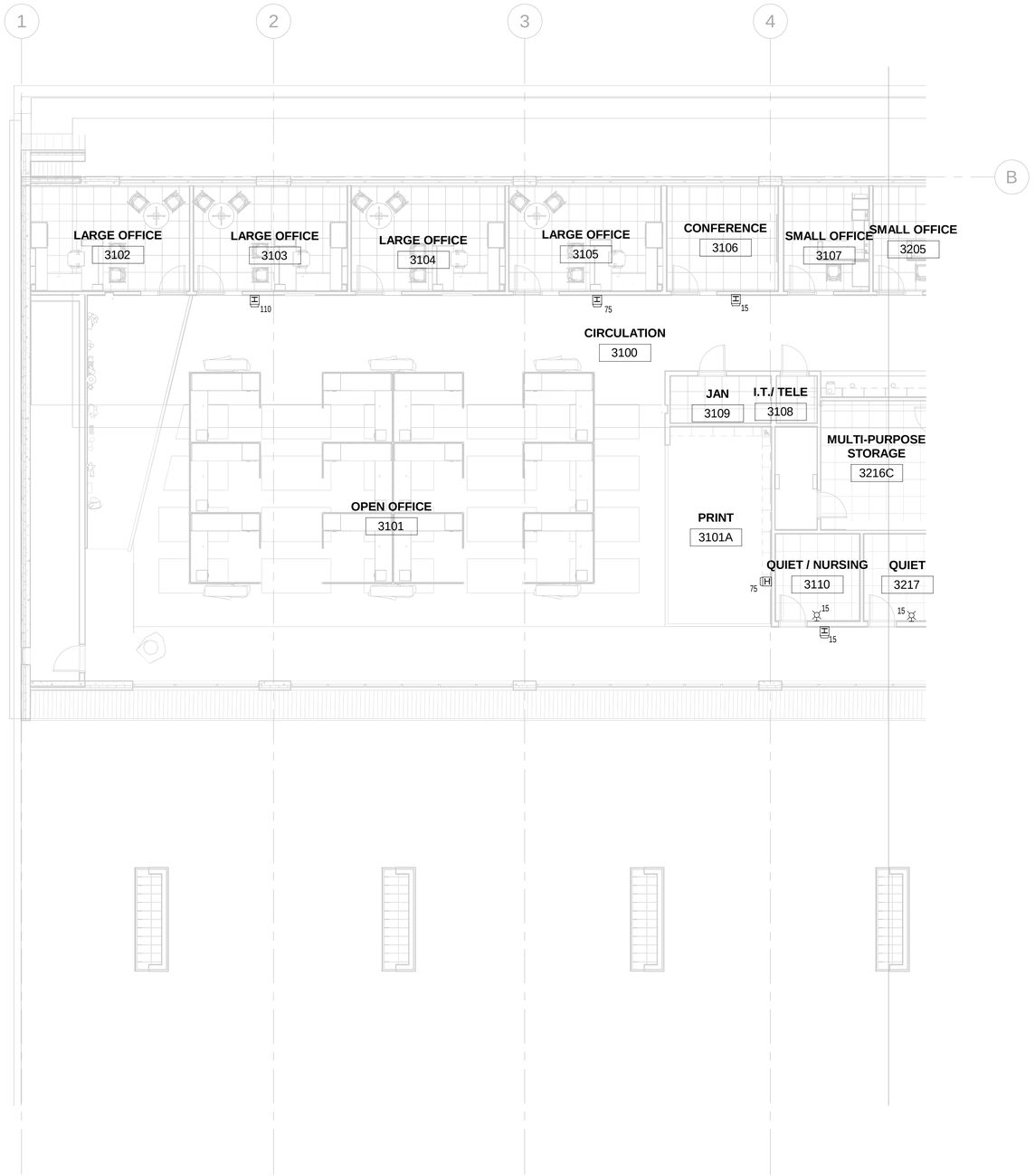
TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

ENLARGED FIRE ALARM PLAN - SECOND FLOOR, AREA 4

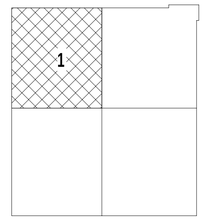
SHEET IDENTIFICATION

F-124



1 ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 1

1/8" = 1'-0"



N

KEY PLAN
NOT TO SCALE

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: GV
DSC PROJECT NUMBER 202102
DRAWN BY: GV
CKD BY: PMS
SBMT BY: PMS
PLOT DATE: 11/6/2024 2:35:03 PM
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SIZE: 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

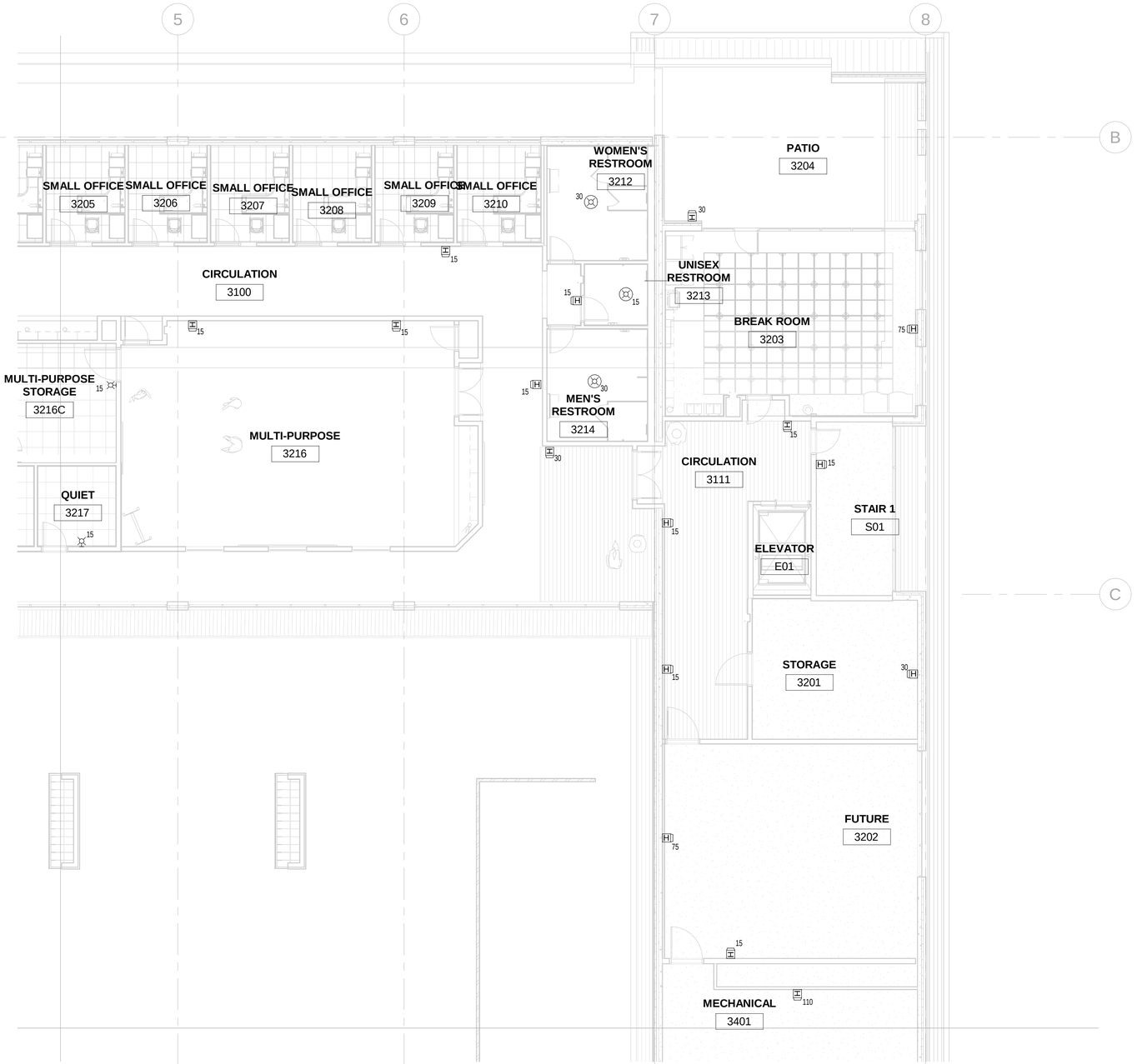
SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

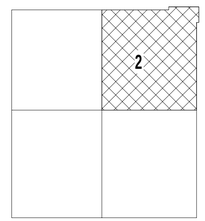
ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 1

SHEET IDENTIFICATION
F-131

F-131-

SHEET KEYNOTES





N

KEY PLAN
NOT TO SCALE

1 ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 2

1/8" = 1'-0"

F-132-

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: GV
D2C PROJECT NUMBER 202102
DRAWN BY: GV
CKD BY: PMS
SBMT BY: PMS
PLOT SCALE: 1/8" = 1'-0"
SIZE: 22" x 34"
PLOT DATE: 11/6/2024 2:35:33 PM
FILE NAME:

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

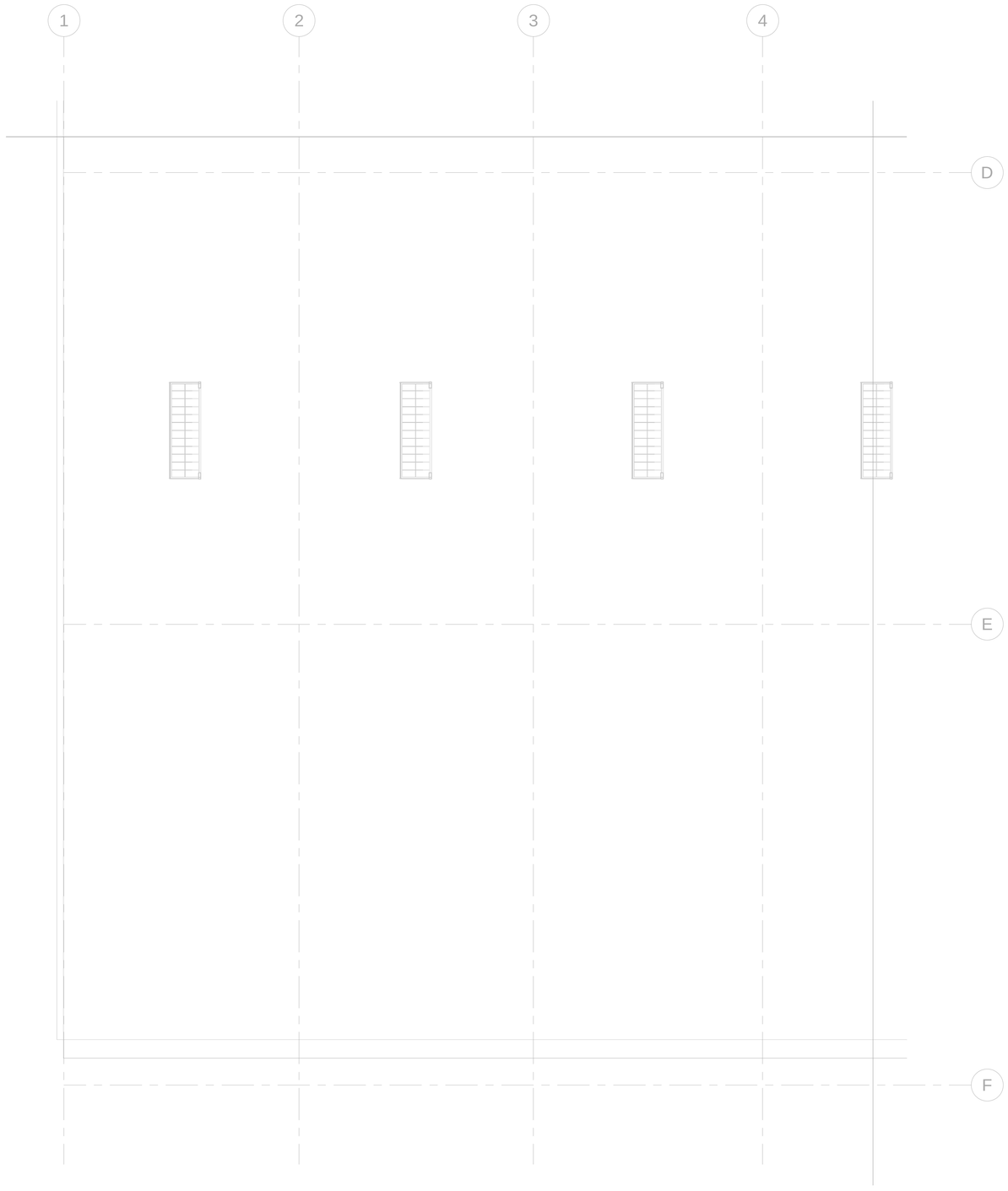
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NOT FOR CONSTRUCTION

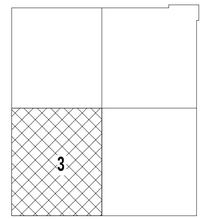
SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424

ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 2

SHEET IDENTIFICATION
F-132



SHEET KEYNOTES



N

KEY PLAN
NOT TO SCALE

1 ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 3

1/8" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: JPN		ISSUE DATE: NOVEMBER 7, 2024	CONSULTANTS PROJECT #
	D2C PROJECT NUMBER 202102	SOLICITATION NO.:	
DRAWN BY: JPN	CKD BY: PS	CONTRACT NO.:	
SBMT BY: PS	PLOT DATE: 11/6/2024 2:35:36 PM	FILE NUMBER:	
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SIZE: 22" x 34"	FILE NAME:		

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

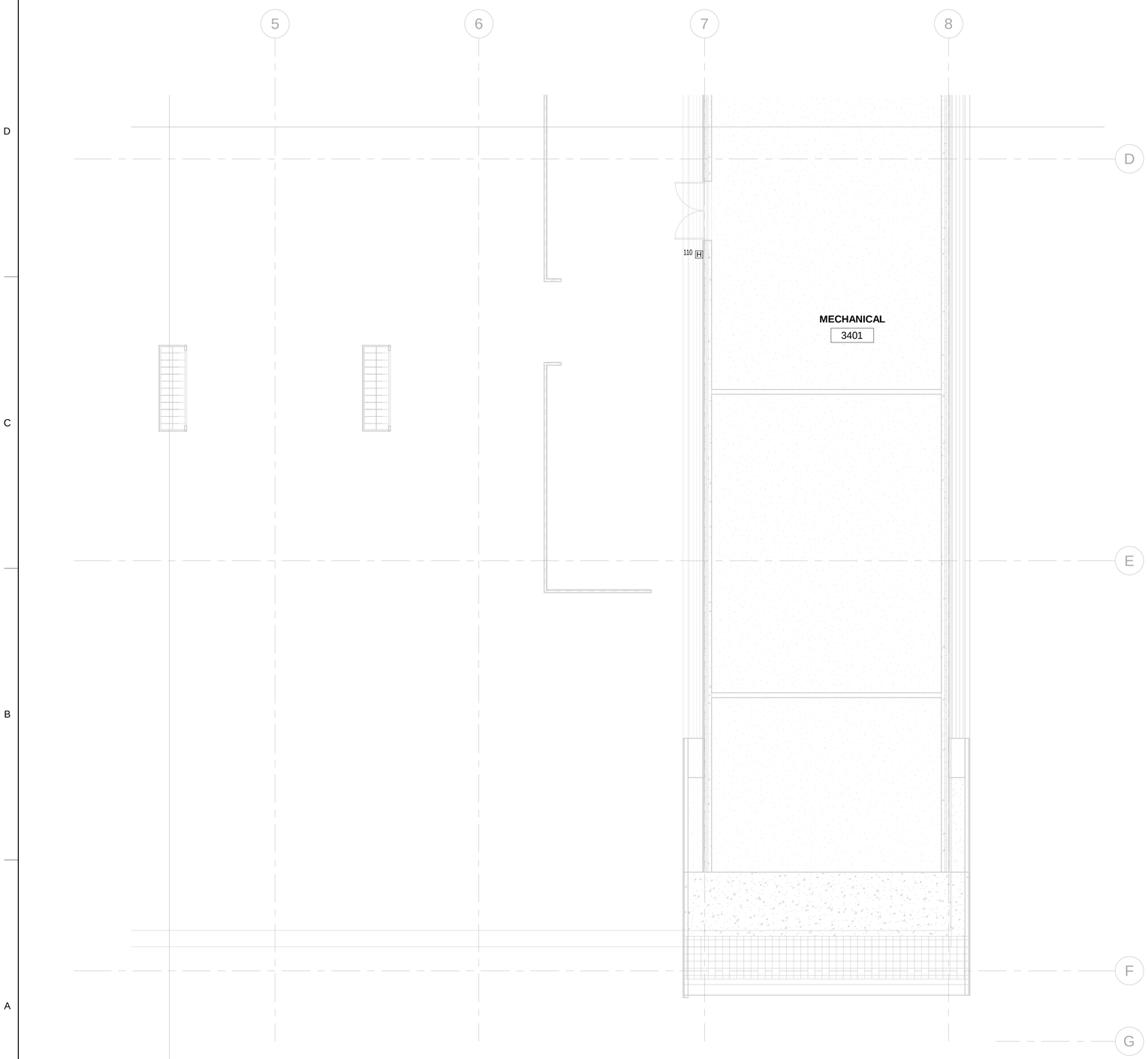
TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

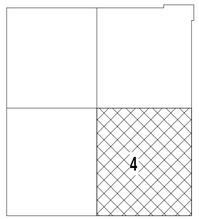
ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 3

SHEET IDENTIFICATION

F-133



SHEET KEYNOTES



N

KEY PLAN
NOT TO SCALE

7/1 ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 4

1/8" = 1'-0"

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR

DESIGN BY: GV	ISSUE DATE: NOVEMBER 7, 2024
D2C PROJECT NUMBER 202102	CONSULTANTS PROJECT #
DRAWN BY: GV	CKD BY: PMS
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SIZE: 22" x 34"	CONTRACT NO.:
FILE NAME:	FILE NUMBER:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY

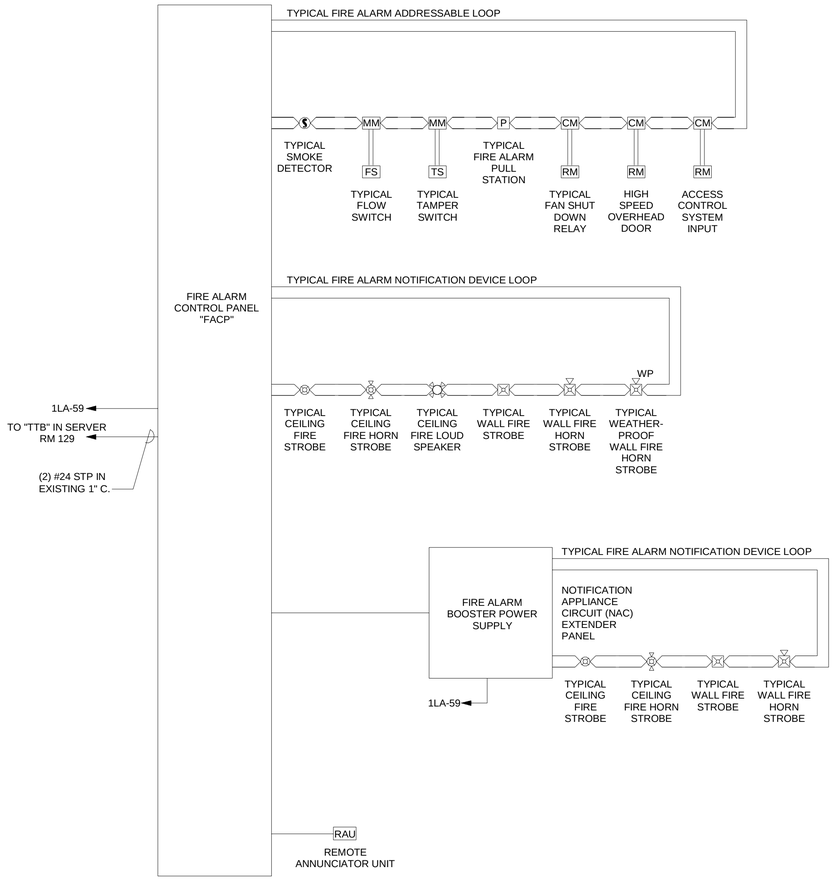
TRANSIT HEADQUARTERS

FRISCO, COLORADO 80424

ENLARGED FIRE ALARM PLAN - THIRD FLOOR, AREA 4

SHEET IDENTIFICATION

F-134



1 FIRE ALARM RISER DIAGRAM

D2C ARCHITECTS

Kimley»Horn

MARK	DESCRIPTION	DATE	APPR.

ISSUE DATE: NOVEMBER 7, 2024
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: GV
D2C PROJECT NUMBER 202102
DRAWN BY: GV
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SBMT BY: PMS
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PLOT SCALE: 1" = 1'-0"
SIZE: 22" x 34"
FILE NAME:

90% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

SUMMIT COUNTY
TRANSIT HEADQUARTERS
FRISCO, COLORADO 80424
FIRE ALARM RISER DIAGRAM

SHEET IDENTIFICATION
F-601

F-601-