

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

DEPARTMENT OF CORRECTIONS, 4TH DISTRICT
801 S 10TH ST
COUNCIL BLUFFS, IOWA 51501

100% CONSTRUCTION DOCUMENTS
04/21/2026

RFB948800-01
DAS PROJECT #: 9488.00

ARCHITECT & INTERIOR DESIGNER
SVPA ARCHITECTS INC
1466 28TH ST, STE 200
WEST DES MOINES, IA 50266
(515) 327-5990

CIVIL CONSULTANT
SNYDER & ASSOCIATES, INC.
231 BENNETT AVE.
COUNCIL BLUFFS, IOWA 51503
(712) 322-3202

STRUCTURAL CONSULTANT
KPFF
604 LOCUST ST. #202
DES MOINES, IOWA 50309
(515) 279-3900

M/E/P/T CONSULTANT
ALVINE
400 E. COURT AVE, STE 130
DES MOINES, IOWA 50309
(515) 243-0569

CONSTRUCTION MANAGER
SAMUELS GROUP
2929 WESTOWN PARKWAY, STE 200
WEST DES MOINES, IOWA 50266
(515) 288-0467

GENERAL

G001 COVER SHEET
G002 CODE PLAN AND REVIEW
G003 GENERAL INFORMATION

CIVIL

C2 GENERAL INFORMATION
C3 REMOVAL PLAN
C4 DIMENSION & LAYOUT PLAN
C5 UTILITY PLAN
C6 GRADING PLAN
C7 SWPPP & EROSION CONTROL PLAN
C8 INTERIM SWPPP
C9 SWPPP DETAILS
C10 LANDSCAPING PLAN
C11 DETAILS

STRUCTURAL

S001 STRUCTURAL NOTES
S101 FOUNDATION PLAN
S102 LEVEL 2 FRAMING PLAN
S103 ROOF FRAMING PLAN
S201 BRACED FRAME ELEVATIONS
S501 STRUCTURAL DETAILS
S502 STRUCTURAL DETAILS
S503 STRUCTURAL DETAILS

ARCHITECTURAL

A001 WALL TYPES
A100 FLOOR PLANS
A110 ROOF PLAN
A200 EXTERIOR ELEVATIONS
A300 BUILDING SECTIONS
A310 WALL SECTIONS
A311 WALL SECTIONS
A400 INTERIOR ELEVATIONS
A410 MILLWORK DETAILS
A420 STAIR S-1, ELEVATOR PLANS & SECTIONS
A421 STAIR S-2 PLANS & SECTIONS
A500 PLAN DETAILS
A510 SECTION DETAILS
A511 SECTION DETAILS
A600 DOOR SCHEDULE AND TYPES
A700 REFLECTED CEILING PLAN
A800 FLOOR FINISH PLAN
A900 FURNITURE PLAN

MECHANICAL

M000 MECHANICAL SYMBOLS AND ABBREVIATIONS
M100 LEVEL 1 - HVAC PLAN
M110 LEVEL 2 - HVAC PLAN
M120 ROOF PLAN - MECHANICAL
M300 MECHANICAL DETAILS
M301 MECHANICAL DETAILS
M302 PIPING DETAILS
M400 MECHANICAL SCHEDULES

FIRE PROTECTION

FP100 LEVEL 1 - FIRE PROTECTION PLAN
FP110 LEVEL 2 - FIRE PROTECTION PLAN
FP200 FIRE PROTECTION DETAILS

PLUMBING

P000 PLUMBING SYMBOLS AND ABBREVIATIONS
P001 UNDERFLOOR PLUMBING PLAN
P100 LEVEL 1 - PLUMBING PLAN - WASTE AND VENT
P101 LEVEL 1 - PLUMBING PLAN - DOMESTIC WATER
P110 LEVEL 2 - PLUMBING PLAN - WASTE AND VENT
P111 LEVEL 2 - PLUMBING PLAN - DOMESTIC WATER
P400 PLUMBING DETAILS
P401 PLUMBING DETAILS
P500 PLUMBING SCHEDULES

ELECTRICAL

E000 ELECTRICAL SYMBOLS AND ABBREVIATIONS
E001 SITE PLAN - ELECTRICAL
E100 LEVEL 1 - LIGHTING PLAN
E110 LEVEL 2 - LIGHTING PLAN
E200 LEVEL 1 - POWER PLAN
E210 LEVEL 2 - POWER PLAN
E220 ROOF PLAN - ELECTRICAL
E300 LEVEL 1 - SPECIAL SYSTEMS PLAN
E310 LEVEL 2 - SPECIAL SYSTEMS PLAN
E400 ELECTRICAL RISER
E500 ELECTRICAL DETAILS
E501 ELECTRICAL DETAILS
E600 ELECTRICAL SCHEDULES
E601 ELECTRICAL SCHEDULES
E602 ELECTRICAL SCHEDULES
E603 ELECTRICAL SCHEDULES

TECHNOLOGY

T000 TECHNOLOGY SYMBOLS AND ABBREVIATIONS
T001 TECHNOLOGY SCHEDULES
T002 TECHNOLOGY SCHEDULES
T100 SITE PLAN - TECHNOLOGY
T101 LEVEL 1 - TECHNOLOGY FLOOR PLAN
T102 LEVEL 2 - TECHNOLOGY FLOOR PLAN
T201 LEVEL 1 - TECHNOLOGY REFLECTED CEILING PLAN
T202 LEVEL 2 - TECHNOLOGY REFLECTED CEILING PLAN
T300 TECHNOLOGY ENLARGED PLANS
T400 TECHNOLOGY ELEVATIONS
T500 TECHNOLOGY RISERS
T600 TECHNOLOGY DETAILS
T601 TECHNOLOGY DETAILS
T602 TECHNOLOGY DETAILS
T603 TECHNOLOGY DETAILS
T604 TECHNOLOGY DETAILS
T605 TECHNOLOGY DETAILS
T700 AUDIOVISUAL SCHEMATICS, RACK ELEVATIONS, PLATES AND PANELS
T701 AUDIOVISUAL SCHEMATICS, RACK ELEVATIONS, PLATES AND PANELS

LICENSED PROFESSIONAL ENGINEER — ELIZABETH A. HUNTER — P18178 — IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Elizabeth A. Hunter, P.E. — 04/21/2026 (Date)
License Number P18178
My License Renewal Date is December 31, 2026
Pages or sheets covered by this seal:
C-SERIES

LICENSED PROFESSIONAL ENGINEER — BRAD A. STORK — 17332 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA

BRAD A. STORK — 04/21/26 (DATE)
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2027
PAGES OR SHEETS COVERED BY THIS SEAL
S-SERIES

LICENSED PROFESSIONAL ENGINEER — JASON P. JONES — NO. 22600 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

JASON P. JONES — 4/21/2026 (DATE)
LICENSE NO. 22600
LICENSE RENEWAL DATE: 12/31/2026
PAGES OR SHEETS COVERED BY THIS SEAL:
M-SERIES / FP-SERIES
P-SERIES
ISSUE DATE: 04/21/2026

LICENSED PROFESSIONAL ARCHITECT — THAD N. LONG — NO. 6002 — IOWA

I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.

THAD N. LONG — 04/21/2026 (DATE)
LICENSE NO. 6002
LICENSE RENEWAL DATE: 07/01/2027
PAGES OR SHEETS COVERED BY THIS SEAL:
G-SERIES
A-SERIES
ISSUE DATE: 04/21/2026

LICENSED PROFESSIONAL ENGINEER — NICHOLAS A. ANDERA — NO. 22839 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

NICHOLAS A. ANDERA — 4/21/2026 (DATE)
LICENSE NO. 22839
LICENSE RENEWAL DATE: 12/31/2026
PAGES OR SHEETS COVERED BY THIS SEAL:
E-SERIES
ISSUE DATE: 04/21/2026

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | IOWA | kpff | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

COVER SHEET
G001

4/17/2026 11:12:01 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

PROJECT AND CODE SUMMARY

FACILITY NAME: IOWA DAS - DOC DJD CBC CENTRAL OFFICE BUILDING
ADDRESS: 818 S. 10TH STREET, COUNCIL BLUFFS, IA 51501

PROJECT DESCRIPTION:
THIS PROJECT IS A NEW CONSTRUCTION OFFICE BUILDING FOR THE IOWA DAS.

TOTAL BUILDING AREA: 14,136 GSF
FLOOR 1 AREA: 7,068
FLOOR 2 AREA: 7,068

OCCUPANCY: B-BUSINESS

CONSTRUCTION TYPE: (V-B, SPRINKLED)

APPLICABLE CODES
AUTHORITY HAVING JURISDICTION: (CITY OR STATE)
- 2024 INTERNATIONAL BUILDING CODE (IBC)
- 2024 INTERNATIONAL FIRE CODE (IFC)
- 2023 NATIONAL ELECTRIC CODE (NFPA 70)
- 2024 INTERNATIONAL MECHANICAL CODE (IMC)
- 2024 INTERNATIONAL PLUMBING CODE (IPC)
- 2024 INTERNATIONAL FUEL GAS CODE (IFGC)
- 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC): CLIMATE ZONE: **5**
- 2010 ADA STANDARDS: US DEPT OF JUSTICE
- 2017 A117.1 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 2012 NFPA 101 LIFE SAFETY CODE
- 2019 IOWA ELEVATOR CODE (ASME A17.1)

CODE REVIEW

OCCUPANCY TYPE (CH 3)

B - BUSINESS OCCUPANCY

BUILDING HEIGHTS & AREAS (CH 5)

TABLE 504.3: HEIGHT = 60' ACTUAL HEIGHT = 30'-1"
TABLE 504.4: STORIES = 3 ACTUAL STORIES = 2
TABLE 506.2: SM AREA = 27,000 ACTUAL AREA = 14,136
508.2.3 TRAINING ROOM (9% OF FLOOR AREA) & BREAK ROOM (6% OF FLOOR AREA) ARE A-3 ACCESSORY SPACES TO BUSINESS

TYPES OF CONSTRUCTION (CH 6)

CONSTRUCTION TYPE: V-B

REQUIRED FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME (HRS)_____0
BEARING WALLS
INTERIOR_____0
EXTERIOR_____0
NON-BEARING WALLS AND PARTITIONS
EXTERIOR_____0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS_____0
ROOF CONSTRUCTION AND SECONDARY MEMBERS _____0

FIRE AND SMOKE PROTECTION FEATURES (CHAPTER 7)

SECTION 708.4.3

FIRE PROTECTION SYSTEMS (CH 9)

AUTOMATIC SPRINKLER SYSTEM TO BE PROVIDED PER SECTION 903.3.

EGRESS (CH 10)

SECTION 1004.1 153 OCCUPANTS FOR EGRESS:
1005.3.1 STAIR EGRESS WIDTH = 153 X 0.2 = 30.6 IN (44 IN REQUIRED PER 1101.2)
1005.3.2 OTHER EGRESS WIDTH = 153 X 0.15 = 22.95 IN (32 IN CLEAR REQUIRED PER 1010.1.1)

A-3 IS ACCESSORY TO B OCCUPANCY AND WILL BE TREATED AS B OCCUPANCY

1024
1028.2

1017.7.3 ENCLOSURES UNDER INTERIOR STAIRWAYS SHALL BE 1-HR RATED AT WALLS AND SOFFITS

CODE PLAN - WALL TYPES

CODE PLAN WALL TYPE NOTES:
- VALUES LISTED BELOW BASED ON TABLE 716.1(2) OF THE 2024 IBC
- REFER TO FLOOR PLAN FOR SPECIFIC WALL TYPE DESIGNATIONS
- REFER TO SHEET A600 FOR WALL TYPE(S) AND U.L. DESIGN INFORMATION
- RATED WALLS SHALL TERMINATE AT STRUCTURAL DECK WITH RATED HEAD-OF-WALL ASSEMBLY

1-F/SB — 1-HR FIRE & SMOKE BARRIER
- DOORS/FRAMES = 20-MINUTE RATED DOOR/FRAME ASSEMBLIES
  - DOOR LITES = 20-MINUTE RATED GLASS [FRG (20 MIN)]
  - SIDELITES = 45-MINUTE RATED GLASS [FRG (45 MIN)]

CALCULATED OCCUPANCY LOAD TOTALS

ROOM NAME	ROOM #	OCCUPANCY	AREA	OCCUPANCY LOAD FACTOR	CALCULATED OCCUPANCY LOAD
LEVEL 1					
VEST	100	CIRCULATION	65 SF	0	
LOBBY	101	A-3 ASSEMBLY	376 SF	15	25.09
RR	102	U-UTILITY	64 SF	0	
ADA RR	103	U-UTILITY	63 SF	0	
OFFICE	106	B-BUSINESS	102 SF	150	0.68
OFFICE	107	B-BUSINESS	105 SF	150	0.70
OFFICE	108	B-BUSINESS	105 SF	150	0.70
OFFICE	109	B-BUSINESS	105 SF	150	0.70
OFFICE	110	B-BUSINESS	144 SF	150	0.96
OFFICE	111	B-BUSINESS	105 SF	150	0.70
OFFICE	112	B-BUSINESS	105 SF	150	0.70
OFFICE	113	B-BUSINESS	105 SF	150	0.70
OFFICE	114	B-BUSINESS	178 SF	150	1.19
OFFICE	115	B-BUSINESS	140 SF	150	0.93
ELEC	116	U-UTILITY	92 SF	300	0.31
FIRE SPRINKLER	117	U-UTILITY	70 SF	300	0.23
OFFICE	119	B-BUSINESS	102 SF	150	0.68
OFFICE	120	B-BUSINESS	105 SF	150	0.70
OFFICE	121	B-BUSINESS	105 SF	150	0.70
OFFICE	122	B-BUSINESS	105 SF	150	0.70
OFFICE	123	B-BUSINESS	144 SF	150	0.96
OFFICE	124	B-BUSINESS	105 SF	150	0.70
OFFICE	125	B-BUSINESS	105 SF	150	0.70
OFFICE	126	B-BUSINESS	104 SF	150	0.70
OFFICE	127	B-BUSINESS	105 SF	150	0.70
RECEPTION	128	B-BUSINESS	313 SF	150	2.09
PRINT/MAIL	129	B-BUSINESS	140 SF	150	0.93
INTAKE	130	B-BUSINESS	72 SF	150	0.48
INTAKE	131	B-BUSINESS	73 SF	150	0.49
CONF	132	A-3 ASSEMBLY	232 SF	15	15.48
BREAKROOM	133	A-3 ASSEMBLY	427 SF	15	28.49
GUN ROOM	134	S-2 STORAGE	116 SF	300	0.39
RR	135	U-UTILITY	51 SF	0	
RR	136	U-UTILITY	53 SF	0	
JANITOR	137	U-UTILITY	23 SF	300	0.08
INTAKE	138	B-BUSINESS	73 SF	150	0.49
INTAKE	139	B-BUSINESS	72 SF	150	0.48
CORRIDOR	140	CIRCULATION	528 SF	0	
CORRIDOR	141	CIRCULATION	175 SF	0	
CORRIDOR	142	CIRCULATION	440 SF	0	
CORRIDOR	143	CIRCULATION	85 SF	0	
ELEV RM	144	B-BUSINESS	27 SF	100	0.27
ELEV	E-1	CIRCULATION	48 SF	0	
STAIR	S-1	CIRCULATION	117 SF	0	
STAIR	S-2	CIRCULATION	71 SF	0	
			6038 SF		89.76

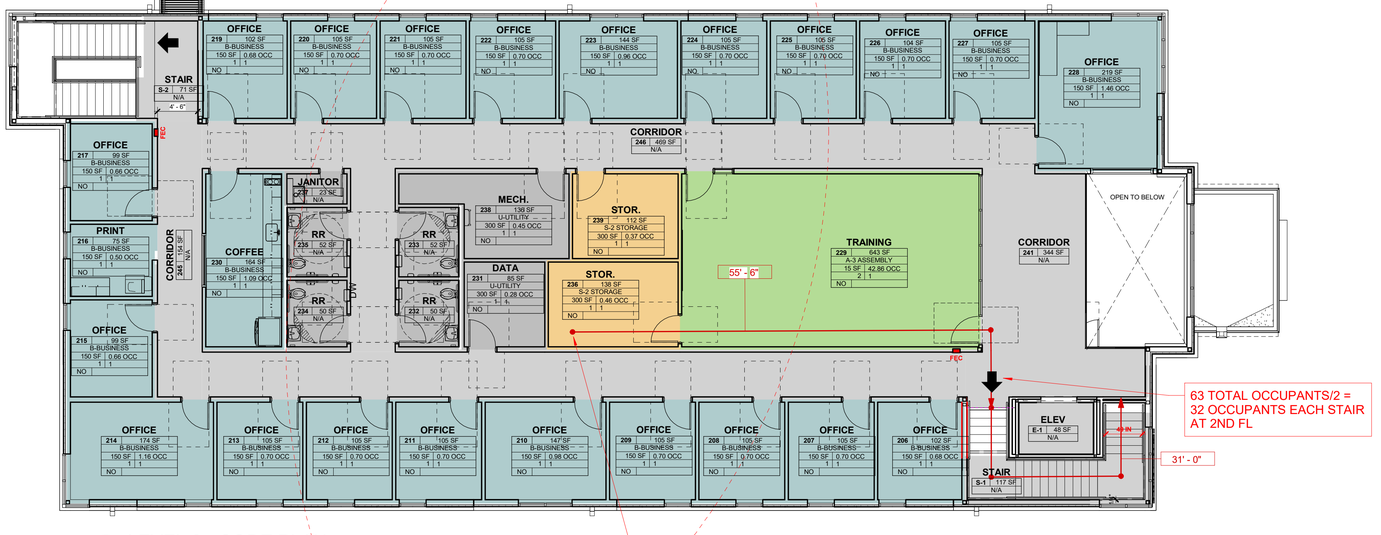
CALCULATED OCCUPANCY LOAD TOTALS

ROOM NAME	ROOM #	OCCUPANCY	AREA	OCCUPANCY LOAD FACTOR	CALCULATED OCCUPANCY LOAD
LEVEL 2					
OFFICE	206	B-BUSINESS	102 SF	150	0.68
OFFICE	207	B-BUSINESS	105 SF	150	0.70
OFFICE	208	B-BUSINESS	105 SF	150	0.70
OFFICE	209	B-BUSINESS	105 SF	150	0.70
OFFICE	210	B-BUSINESS	147 SF	150	0.98
OFFICE	211	B-BUSINESS	105 SF	150	0.70
OFFICE	212	B-BUSINESS	105 SF	150	0.70
OFFICE	213	B-BUSINESS	105 SF	150	0.70
OFFICE	214	B-BUSINESS	174 SF	150	1.16
OFFICE	215	B-BUSINESS	99 SF	150	0.66
PRINT	216	B-BUSINESS	75 SF	150	0.50
OFFICE	217	B-BUSINESS	99 SF	150	0.66
OFFICE	219	B-BUSINESS	102 SF	150	0.68
OFFICE	220	B-BUSINESS	105 SF	150	0.70
OFFICE	221	B-BUSINESS	105 SF	150	0.70
OFFICE	222	B-BUSINESS	105 SF	150	0.70
OFFICE	223	B-BUSINESS	144 SF	150	0.96
OFFICE	224	B-BUSINESS	105 SF	150	0.70
OFFICE	225	B-BUSINESS	105 SF	150	0.70
OFFICE	226	B-BUSINESS	104 SF	150	0.70
OFFICE	227	B-BUSINESS	105 SF	150	0.70
OFFICE	228	B-BUSINESS	219 SF	150	1.46
TRAINING	229	A-3 ASSEMBLY	643 SF	15	42.86
COFFEE	230	B-BUSINESS	164 SF	150	1.09
DATA	231	U-UTILITY	85 SF	300	0.28
RR	232	U-UTILITY	50 SF	0	
RR	233	U-UTILITY	52 SF	0	
RR	234	U-UTILITY	50 SF	0	
RR	235	U-UTILITY	52 SF	0	
STOR.	236	S-2 STORAGE	138 SF	300	0.46
JANITOR	237	U-UTILITY	23 SF	300	0.08
MECH.	238	U-UTILITY	136 SF	300	0.45
STOR.	239	S-2 STORAGE	112 SF	300	0.37
CORRIDOR	241	CIRCULATION	344 SF	0	
CORRIDOR	242	CIRCULATION	428 SF	0	
CORRIDOR	244	CIRCULATION	100 SF	0	
CORRIDOR	245	CIRCULATION	154 SF	0	
CORRIDOR	246	CIRCULATION	469 SF	0	
			5518 SF		62.41
			11556 SF		152.17

PLUMBING FIXTURE REQUIREMENTS (IBC CHAPTER 29 / IPC CHAPTER 4)

OCCUPANT TYPE AND LOAD		MALE WATER CLOSETS		FEMALE WATER CLOSETS		MALE LAVATORIES		FEMALE LAVATORIES		DRINKING FOUNTAINS	
B-BUSINESS OCCUPANCY		RATIO	REQUIRED	RATIO	REQUIRED	RATIO	REQUIRED	RATIO	REQUIRED	RATIO	REQUIRED
TOTAL OCC	153	1 PER 25 FOR FIRST 50 + 1 PER 50 FOR REMAINDER	3	1 PER 25 FOR FIRST 50 + 1 PER 50 FOR REMAINDER	3	1 PER 40 FOR FIRST 80 + 1 PER 80 FOR REMAINDER	2	1 PER 40 FOR FIRST 80 + 1 PER 80 FOR REMAINDER	2	1 PER 100	1
MALE	77										
FEMALE	77										
PROVIDED TOTALS		**8 SINGLE USE RESTROOMS**		**8 SINGLE USE RESTROOMS**		**8 SINGLE USE RESTROOMS**		**8 SINGLE USE RESTROOMS**		**2**	
PROJECT IN COMPLIANCE											

63 TOTAL OCCUPANTS/2 = 31 OCCUPANTS EACH STAIR AT 2ND FL



63 TOTAL OCCUPANTS/2 = 32 OCCUPANTS EACH STAIR AT 2ND FL

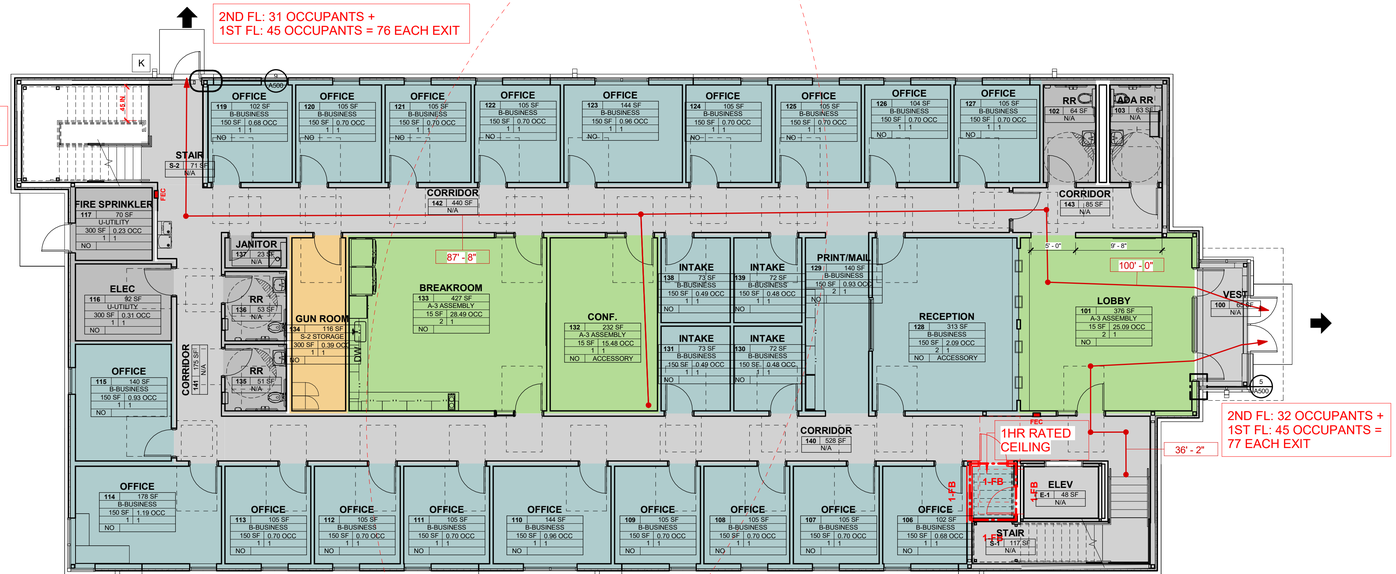
TOTAL EGRESS ROUTE TO PUBLIC WAY = 128 FT

2 LEVEL 2 - CODE PLAN

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

2ND FL: 31 OCCUPANTS + 1ST FL: 45 OCCUPANTS = 76 EACH EXIT

30 FT EGRESS AT STAIR S-2



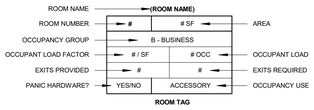
2ND FL: 32 OCCUPANTS + 1ST FL: 45 OCCUPANTS = 77 EACH EXIT

31 FT EGRESS AT STAIR S-1

1 LEVEL 1 - CODE PLAN

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

CODE PLAN SYMBOLS



CODE SHEET SYMBOLS

- EXIT
- K — KEY LOCK BOX LOCATION 72" AFF, VERIFY HEIGHT AND LOCATION WITH AHJ
- FEC — FIRE EXTINGUISHER CABINET
- COMMON PATH OF TRAVEL TO EXIT

NET OCCUPANCY TYPES

- A-3 ASSEMBLY
- B-BUSINESS
- CIRCULATION
- S-2 STORAGE
- U-UTILITY

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

CODE PLAN AND REVIEW

G002

4/21/2026 4:42:56 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

ABBREVIATIONS

@	AT
&	AND
"	INCH
'	FOOT
#	NUMBER OR POUND
AB	ANCHOR BOLT
ABV	ABOVE
ACT	ACOUSTICAL CEILING TILE
ACM	ALUMINUM COMPOSITE METAL
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUST, ADJUSTABLE
ADMIN	ADMINISTRATION, ADMINISTRATIVE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECT, ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AUTO	AUTOMATIC
AVG	AVERAGE
BO	BOTTOM OF
B/T	BETWEEN
BLKHD	BULKHEAD
BLDG	BUILDING
BLKG	BLOCKING
BP	BEARING PLATE
BRG	BEARING
C/C	CENTER TO CENTER
CCTV	CLOSED CIRCUIT TV
CF	CUBIC FEET
CFMF	COLD-FORMED METAL FRAMING
CFSF	COLD-FORMED STEEL FRAMING
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLEAR	CLEARANCE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRIDOR
CPT	CARPET
CS	CAST STONE
CT	CERAMIC TILE
CTOP	COUNTERTOP
CUH	CABINET UNIT HEATER
DBL	DOUBLE
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
E/E	END TO END
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EXST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F/F	FACE TO FACE
FBO	FURNITURE BY OWNER/OTHER
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FIXTURES, FURNISHINGS & EQUIPMENT
FNDN	FOUNDATION
FO	FACE OF
FRP	FIBERGLASS REINFORCED POLYMER
FT	FOOT, FEET
FTG	FOOTING
FURN	FURNITURE
FV	FIELD VERIFY
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLASS
GWB	GYPSUM WALL BOARD
GB	GYPSUM BOARD
HB	HOSE BIB
HCP	HANDICAP
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HWD	HARDWOOD
IN	INCH
INSUL	INSULATION
INT	INTERIOR
IJ	ISOLATION JOINT
JAN	JANITOR
KO	KNOCKOUT
LAB	LABORATORY
LAV	LAVATORY
LBS	POUNDS (WEIGHT)
LF	LINEAR FOOT/FEET
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MIN	MINIMUM
MFR	MANUFACTURER
MIR	MIRROR
MISC	MISCELLANEOUS
MKBD	MARKERBOARD
MO	MASONRY OPENING
MTL	METAL
MATL	MATERIAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OVERFLOW DRAIN
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OPNG	OPENING
OPP	OPPOSITE, OPPOSITE HAND
PLAM	PLASTIC LAMINATE
PLY	PLYWOOD
PNT	PAINT, PAINTED, POINT
PREFAB	PREFABRICATE, PREFABRICATED
PT	PORCELAIN TILE
PNT	PAINT
QT	QUARRY TILE
QTY	QUANTITY
QTZ	QUARTZ
RAD	RADIUS
RAF	RESILIENT ATHLETIC FLOORING
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REF	REFRIGERATOR
REINF	REINFORCE, REINFORCEMENT
REQD	REQUIRED
REV	REVISION
RF	RESILIENT FLOORING
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RSF	RESILIENT SHEET FLOORING
SC	SEALED CONCRETE
SCH	SCHEDULE
SF	SQUARE FOOT
SHWR	SHOWER
SIM	SIMILAR
SPKR	SPEAKER
SB	SPLASH BLOCK
SQ	SQUARE
SS	SOLID SURFACE
SSTL	STAINLESS STEEL
ST	STONE
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
SV	SHEET VINYL
T	THERMOSTAT
TO	TOP OF
T&G	TONGUE & GROOVE
TEMP	TEMPORARY
TRZ	TERRAZZO
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORIES
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VOL	VOLUME
VWC	VINYL WALLCOVERING
W/	WITH
W/O	WITHOUT
WAF	WOOD ATHLETIC FLOORING
WB	WOOD BASE
WC	WATERCLOSET
WD	WOOD
W/D	WASHER/DRYER
WH	WATER HEATER
WOC	WALK OFF CARPET
WVW	WOOD VENEER WALLCOVERING
WWF	WELDED WIRE FABRIC
YD	YARD
YR	YEAR

DRAWING SYMBOLS

DETAIL — # / A--- — LOCATION REFERENCE; DETAIL; SHEET REFERENCE

ELEVATION — A--- / # — ELEVATION REFERENCE; SHEET REFERENCE

GRID LINE — # — GRID REFERENCE

LEVEL IDENTIFICATION — +0'-0" LEVEL — ELEVATION; LEVEL REFERENCE

SECTION — # / A--- — LOCATION REFERENCE; SHEET REFERENCE

CEILING TAG — ### / X'-X" AFF — CEILING TYPE/MATERIAL; HEIGHT ABOVE FINISHED FLOOR

WINDOW TAG - REFER TO WINDOW ELEVATIONS — # — WINDOW TYPE

DOOR TAG — # — DOOR NUMBER

ROOM TAG — --- / # — ROOM NAME; ROOM NUMBER

WALL TAG — # — WALL; WALL TYPE

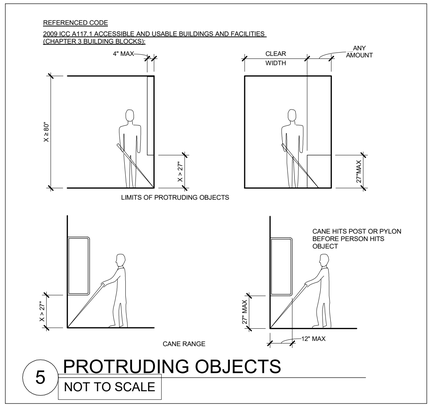
MATERIAL KEYNOTE — #.# — DESCRIPTIVE TEXT; SPECIFICATION REFERENCE

GENERAL NOTES:

1. THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING CONTRACTOR WITH ROUGH-IN INFORMATION AND MOUNTING HEIGHTS NECESSARY TO ACCOMMODATE INSTALLATION OF OWNER FURNISHED AND INSTALLED,OR OWNER FURNISHED -CONTRACTOR INSTALLED ITEMS.
2. CONTRACTOR SHALL VERIFY ALL OWNER FURNISHED AND INSTALLED ITEMS, AND OWNER FURNISHED -CONTRACTOR INSTALLED ITEMS, AND IDENTIFY THEM IN THE CONSTRUCTION SCHEDULE. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO ACCOMMODATE THESE ITEMS.
3. OWNER SHALL BE RESPONSIBLE FOR COORDINATING REQUIREMENTS OF OWNER PROVIDED WORK WITH THE GENERAL CONTRACTOR AND ADHERING TO THE CONSTRUCTION SCHEDULE AS ESTABLISHED BY CONTRACTOR.
4. GENERAL CONTRACTOR TO VERIFY ALL MECHANICAL PENETRATION REQUIREMENTS AND CHASE SIZES WITH MECHANICAL CONTRACTOR FOR COORDINATION INTO THE CONSTRUCTION OF WALL, FLOOR, CEILING AND ROOF ASSEMBLIES.
5. GENERAL CONTRACTOR TO COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS, SIZE AND LOCATION OF EQUIPMENT PADS SHOWN ON PLANS.

REFERENCED CODE

2009 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (CHAPTER 3 BUILDING BLOCKS):



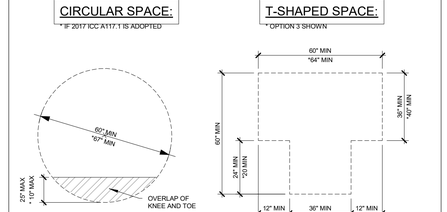
5 PROTRUDING OBJECTS
NOT TO SCALE

REFERENCED CODE

2009 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (CHAPTER 3 BUILDING BLOCKS):

CIRCULAR SPACE:
* IF 2017 ICC A117.1 IS ADOPTED

T-SHAPED SPACE:
* OPTION 3 SHOWN



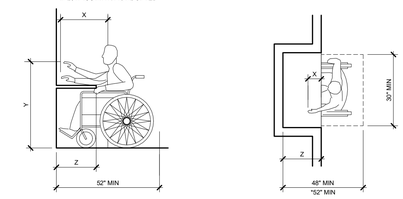
4 TURNING SPACES
NOT TO SCALE

REFERENCED CODE

2009 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (CHAPTER 4 ACCESSIBLE ROUTES):

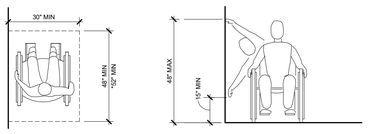


HIGH FORWARD REACH LIMIT
* IF 2017 ICC A117.1 IS ADOPTED



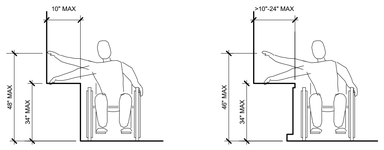
NOTES:
1. X SHALL BE < 25 INCHES; Z SHALL BE > X.
2. WHEN X < 20 INCHES, THEN Y SHALL BE 48 INCHES MAXIMUM.
3. WHEN X IS 20 TO 25 INCHES, THEN Y SHALL BE 44 INCHES MAXIMUM.

MAXIMUM FORWARD REACH OVER AN OBSTRUCTION
* IF 2017 ICC A117.1 IS ADOPTED



CLEAR FLOOR SPACE
PARALLEL APPROACH

HIGH AND LOW
SIDE REACH LIMITS



MAXIMUM SIDE REACH OVER AN OBSTRUCTION

2 REACH REQUIREMENTS
NOT TO SCALE

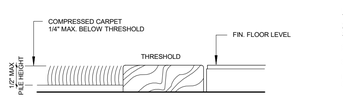
REFERENCED CODE

2009 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (CHAPTER 3 BUILDING BLOCKS):

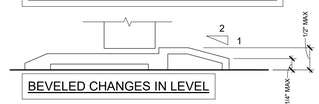
SECTION 302 FLOOR SURFACES

302.1 GENERAL

FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT, AND SHALL COMPLY WITH SECTION 302. CHANGES IN LEVEL IN FLOOR SURFACES SHALL COMPLY WITH SECTION 303.

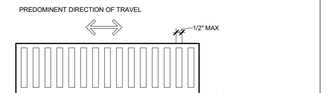


TRANSITION BETWEEN FLOOR FINISHES



BEVELED CHANGES IN LEVEL

VERTICAL CHANGE IN LEVEL



OPENINGS IN FLOOR SURFACES

3 THRESHOLD & LEVEL CHANGES
NOT TO SCALE

REFERENCED CODE

2009 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (CHAPTER 7 COMMUNICATION ELEMENTS AND FEATURES):

1. COMMUNICATIONS ELEMENTS AND FEATURES REQUIRED TO BE ACCESSIBLE BY THE SCOPING PROVISIONS ADOPTED BY THE ADMINSITRATIVE AUTHORITY SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 7. (701.1 SCOPE)
2. SIGNS SHALL COMPLY WITH SECTION 703. TACTILE SIGNS SHALL CONTAIN BOTH RAISED CHARACTERS AND BRAILLE. (703.1 GENERAL)
3. WHERE PICTOGRAMS ARE PROVIDED AS DESIGNATIONS OF PERMANENT INTERIOR ROOMS AND SPACES, THE PICTOGRAMS SHALL COMPY WITH SECTION 703.5 AND SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTRLY BELOW THE PICTOGRAM FIELD AND COMPLYING WITH SECTIONS 703.2 AND 703.3. (703.1 GENERAL)
4. RAISED CHARACTERS SHALL COMPLY WITH SECTION 703.3 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH SECTION 703.4 (703.3.1 GENERAL)
5. RAISED CHARACTERS SHALL BE RAISED 1/32" MINIMUM ABOVE THEIR BACKGROUND. (703.3.2 DEPTH)
6. CHARACTERS SHALL BE UPPERCASE (703.3.3 CASE)
7. CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE OR OF OTHER UNUSUAL FORMS (703.3.4 STYLE)
8. RAISED CHARACTERS SHALL BE 48 INCHES MINIMUM ABOVE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST RAISED CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST RAISED CHARACTER. (703.3.10 HEIGHT ABOVE FLOOR)
9. WHERE A SIGN CONTAINING RAISED CHARACTERS AND BRAILLE IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE. LOCATE SIGNS SO THAT A CLEAR FLOOR AREA 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE RAISED CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. (703.3.11 LOCATION)
10. PICTOGRAMS SHALL HAVE A FIELD 6 INCHES MINIMUM IN HEIGHT. CHARACTERS OR BRAILLE SHALL NOT BE LOCATED IN PICTOGRAM FIELD. (703.5.2 PICTOGRAM FIELD)
11. PICTOGRAMS AND THEIR FIELDS SHALL HAVE A NONGLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELDS, WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. (703.5.3 FINISH AND CONTRAST)
12. SYMBOLS OF ACCESSIBILITY SHALL COMPLY WITH SECTION 703.6. (703.6.1 GENERAL)
13. PUBLIC TELEPHONES SHALL COMPLY WITH SECTION 704. (704.1 GENERAL)
14. WHEELCHAIR ACCESSIBLE PUBLIC TELEPHONES SHALL COMPLY WITH SECTION 704.2. (704.2 WHEELCHAIR ACCESSIBLE TELEPHONES)
15. DETECTABLE WARNING SURFACES SHALL COMPLY WITH SECTION 705. (705.1 GENERAL)
16. ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.



INTERNATIONAL SYMBOL OF ACCESSIBILITY



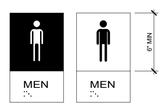
INTERNATIONAL TTY SYMBOL



INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS



VOLUME-CONTROLLED TELEPHONE



PICTOGRAM FIELD
ALL OTHER PICTOGRAM SIGNS SIMILAR

1 SIGNS & PICTOGRAMS
NOT TO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

GENERAL INFORMATION

G003

4/21/2026 4:42:56 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

LEGEND

FEATURES	FOUND	SET
Section Corner	▲	△
1/2" Rebar	●	○
ROW Marker	■	□
ROW Rail	⊢⊣	⊏⊐
Control Point	⊙CP	
Bench Mark	BM	
Platted Distance	P	
Measured Bearing & Distance	M	
Recorded As	R	
Deed Distance	D	
Calculated Distance	C	
Minimum Protection Elevation	MPE	
Centerline		
Section Line		
1/4 Section Line		
1/4 1/4 Section Line		
Easement Line		

FEATURES	EXISTING	PROPOSED
Spot Elevation	X (1225.25)	X 1225.25
Contour Elevation	1225	1225
Fence (Barbed, Field, Hog)	X	X
Fence (Chain Link)	//	//
Fence (Wood)	□	□
Fence (Silt)	○	●
Tree Line		
Tree Removal Limits		
Tree Stump		
Deciduous Tree \\ Shrub		
Coniferous Tree \\ Shrub		
Communication	C(*)	C
Overhead Communication	OC(*)	OC
Fiber Optic	FO(*)	FO
Underground Electric	E(*)	E
Overhead Electric	OE(*)	OE
Duct Bank	DUCT(*)	DUCT
Gas Main with Size	G(*)	G
High Pressure Gas Main with Size	HPG(*)	HPG
Water Main with Size	W(*)	
Sanitary Sewer with Size	S(*)	
Sanitary Manhole	⊘	
Storm Sewer with Size	ST(*)	
Storm Manhole	⊘	
Single Storm Sewer Intake		
Double Storm Sewer Intake		

(*) Denotes the survey quality service level for utilities

Fire Hydrant		
Fire Hydrant on Building		
Water Main Valve		
Water Service Valve		
Well		
Utility Pole		
Guy Anchor		
Utility Pole with Light		
Utility Pole with Transformer		
Street Light		
Yard Light		
Electric Box	EB	EB
Electric Transformer	E	E
Traffic Sign		
Communication Pedestal	C	C
Communication Manhole	C	C
Communication Handhole	HC	HC
Fiber Optic Manhole	FO	FO
Fiber Optic Handhole	HFO	HFO
Flag Pole		
Gas Valve		
Gas Manhole	G	G
Gas Apparatus	G	G
Fence Post or Guard Post	●	●
Underground Storage Tank	UST	
Above Ground Storage Tank	AST	
Sign		
Satellite Dish		
Mailbox		
Sprinkler Head		
Irrigation Control Valve	ICV	ICV
Soil Boring	B–2	
Test Hole Location for SUE w/ID		

UTILITY QUALITY SERVICE LEVELS

QUALITY LEVELS OF UTILITIES ARE SHOWN IN THE PARENTHESES WITH THE UTILITY TYPE AND WHEN APPLICABLE, SIZE. THE QUALITY LEVELS ARE BASED ON THE CI / ASCE 38-02 STANDARD.
QUALITY LEVEL (D) INFORMATION IS DERIVED FROM EXISTING UTILITY RECORDS OR ORAL RECOLLECTIONS.
QUALITY LEVEL (C) INFORMATION IS OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION WITH
QUALITY D INFORMATION.
QUALITY LEVEL (B) INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.
QUALITY LEVEL (A) IS HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES OBTAINED BY ACTUAL EXPOSURE OR VERIFICATION OF PREVIOUSLY EXPOSED SUBSURFACE UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.

GENERAL NOTES

1. NOTIFY UTILITY PROVIDERS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES AND COORDINATE WITH UTILITY PROVIDERS AS NECESSARY DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION, AND DEPTH OF ALL UTILITIES. PROTECT ALL UTILITY LINES AND STRUCTURES NOT SHOWN FOR REMOVAL OR MODIFICATION. ANY DAMAGES TO UTILITY ITEMS NOT SHOWN FOR REMOVAL OR MODIFICATION SHALL BE REPAIRED TO THE UTILITY OWNER'S SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.
2. CONSTRUCTION OF ALL STREET AND UTILITY IMPROVEMENTS SHALL CONFORM TO THE IOWA STATEWIDE URBAN DESIGN & SPECIFICATIONS (SUDAS) AND COUNCIL BLUFFS WATER WORKS (CBWW) STANDARD SPECIFICATIONS AND THE SOILS REPORTS PREPARED BY OTHERS.
3. LENGTH OF UTILITIES SHOWN ON PLANS ARE DIMENSIONED FROM CENTERLINE OF STRUCTURE TO CENTERLINE OF STRUCTURE.
4. ALL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). WHEN CONSTRUCTION ACTIVITIES OBSTRUCT PORTIONS OF THE ROADWAY, FLAGGERS SHALL BE PROVIDED. FLAGGERS SHALL CONFORM TO THE MUTCD IN APPEARANCE, EQUIPMENT AND ACTIONS.
5. NOTIFY OWNER, ENGINEER, CITY OF COUNCIL BLUFFS PUBLIC WORKS AND COUNCIL BLUFFS WATER WORKS AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
6. CONSTRUCT MANHOLES AND APPURTENANCES AS WORK PROGRESSES. BACKFILL WITH SUITABLE MATERIAL AND COMPACT TO 95% MAXIMUM DENSITY.
7. IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.
8. ALL FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED AND NOTED ACCORDINGLY ON THE AS-BUILT DOCUMENTS.
9. DIMENSIONS, BUILDING LOCATION, UTILITIES AND GRADING OF THIS SITE ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. DEVIATIONS MAY BE NECESSARY IN THE FIELD. ANY SUCH CHANGES OR CONFLICTS BETWEEN THIS PLAN AND FIELD CONDITIONS ARE TO BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT VERIFICATION OF ALL SITE IMPROVEMENTS PRIOR TO CONSTRUCTION.
10. CONTRACTOR TO LOAD AND TRANSPORT ALL MATERIALS CONSIDERED TO BE UNDESIRABLE TO BE INCORPORATED INTO THE PROJECT TO AN APPROVED OFF-SITE WASTE SITE.
11. CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL FOR ALL AREAS TO BE CUT OR FILLED. RESPREAD TO MINIMUM 6" DEPTH TO FINISH GRADES.
12. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISHED GRADES AND/OR TOP OF PAVING SLAB (GUTTER), UNLESS OTHERWISE NOTED.
13. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING DIRT AND DEBRIS FROM NEIGHBORING STREETS, DRIVEWAYS, AND SIDEWALKS CAUSED BY CONSTRUCTION ACTIVITIES IN A TIMELY MANNER.
14. THE ADJUSTMENT OF ANY EXISTING UTILITY APPURTENANCES TO FINAL GRADE IS CONSIDERED INCIDENTAL TO THE SITE WORK.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING ANY EXISTING EROSION CONTROL MEASURES ON SITE AT THE TIME OF CONSTRUCTION. GRADING AND SOIL EROSION CONTROL CODE REQUIREMENTS SHALL BE MET BY CONTRACTOR. A GRADING PERMIT IS REQUIRED FOR THIS PROJECT.
16. CONTRACTOR TO COORDINATE NATURAL GAS, ELECTRICAL, TELEPHONE AND ANY OTHER FRANCHISE UTILITY SERVICES WITH UTILITY SERVICE PROVIDER, COUNCIL BLUFFS PUBLIC WORKS, AND THE OWNER PRIOR TO CONSTRUCTION.
17. CONTRACTOR TO VERIFY ALL UTILITY CROSSINGS AND MAINTAIN MINIMUM 18" VERTICAL AND HORIZONTAL CLEARANCE BETWEEN UTILITIES. CONTRACTOR TO COORDINATE UTILITY ROUTING TO BUILDING AND VERIFY CONNECTION LOCATIONS AND INVERTS PRIOR TO CONSTRUCTION.

SURVEY NOTES

1. BUILDING LINES AND CORNERS ARE FOR USE IN PREPARING CIVIL SITE PLAN DOCUMENTS. BUILDING CORNERS AND BUILDING LINES SHOULD BE SPECIFICALLY VERIFIED, AS NECESSARY, PRIOR TO DESIGN FOR CONSTRUCTION OF ANY PROPOSED EXPANSION OR CONNECTION OF BUILDING COMPONENTS.
2. FOR CLARITY PURPOSES, SURVEY SPOT ELEVATIONS ARE NOT SHOWN ON THIS SURVEY, BUT ARE CONTAINED WITHIN THE DIGITAL CADD FILES.
3. FOR THE PURPOSE OF THIS SURVEY, STORM SEWER, SANITARY SEWER AND WATER MAIN LINES ARE ASSUMED TO FOLLOW A STRAIGHT LINE FROM STRUCTURE TO STRUCTURE.
4. UTILITY SERVICE LINES TO BUILDINGS ARE APPROXIMATE ONLY. AN INTERNAL BUILDING INVESTIGATION, EXCAVATION AND/OR SUBSURFACE LOCATING/DESIGNATING WOULD NEED TO BE PERFORMED TO DETERMINE THE LOCATION OF SERVICES ENTERING THE BUILDING.
5. UNDERGROUND PIPE MATERIALS AND SIZES ARE BASED UPON VISIBLE EVIDENCE VIEWED FROM ACCESS MANHOLES/STRUCTURES. DUE TO THE CONFIGURATION AND/OR CONSTRUCTION OF THE STRUCTURE, IT MAY BE DIFFICULT TO ACCURATELY DETERMINE THE PIPE MATERIAL AND/OR SIZE. THE SURVEYOR WILL USE THEIR JUDGMENT AND EXPERIENCE TO ATTEMPT TO DETERMINE, BUT COMPLETE ACCURACY CANNOT BE GUARANTEED.
6. BOUNDARY LINES SHOWN ON THE EXISTING SITE SURVEY ARE TO FACILITATE DESIGN OR CONCEPT NEEDS AND ENABLE CREATION OF SAID CONSTRUCTION DOCUMENTS. THESE LINES DO NOT CONSTITUTE A CERTIFIED BOUNDARY SURVEY AND MISSING MONUMENTS WILL NOT BE SET.

PROPERTY DESCRIPTION

RIDDLES SUB LTS 1 THRU 8 BLK 23 & LTS 1 THRU 4
BLK 24 & ALL VAC 11TH ST ADJ

PROPERTY ADDRESS

824 S 10TH STREET
COUNCIL BLUFFS, IA 51501

ZONING

I-1 LIGHT INDUSTRIAL

VICINITY MAP



SCALE
1" = 200'

PARKING NOTES

1. CONTRACTORS. & SUBS MAY NOT PARK IN EXISTING LOTS TO THE WEST OR ACROSS S 10TH STREET TO THE EAST. THEY MAY PARK WITHIN DESIGNATED PARKING AREAS WITHIN THE PROJECT LOCATION BOUNDARY AND ALONG S. 10TH STREET, AS LONG AS NOT BLOCKING PRIVATE DRIVEWAYS.

UTILITY CONTACT INFORMATION

UTILITY CONTACT FOR MAPPING INFORMATION SHOWN AS RECEIVED FROM THE IOWA ONE CALL DESIGN REQUEST SYSTEM, TICKET NUMBER 552506961.

COMPANY NAME : COUNCIL BLUFFS SEWER
DESIGN CONTACT : MARTY SELL
PHONE : 7123284641

COMPANY NAME : COX COMMUNICATIONS
DESIGN CONTACT : JEREMY DIXON
PHONE : 4052135142

COMPANY NAME : CENTURYLINK
DESIGN CONTACT : SADIE HULL
PHONE : 9185470147

COMPANY NAME : GREAT PLAINS COMMUNICATIONS
DESIGN CONTACT : RICK FITCHHORN
PHONE : 4024566562

COMPANY NAME : GOOGLE FIBER INC
DESIGN CONTACT : JAIMIE SWANEPOEL
PHONE : 6504999164

COMPANY NAME : MIDAMER-ELEC
DESIGN CONTACT : DAVID FITCH
PHONE : 7123665669

COMPANY NAME : BLACK HILLS ENGY COUNCIL BLUFF
DESIGN CONTACT : CHRIS DEWEY
PHONE : 7125806028

COMPANY NAME : UNITE PRIVATE NETWORKS, LLC
DESIGN CONTACT : MICHAEL STEINKAMP
PHONE : 8164900894

COMPANY NAME : COUNCIL BLUFFS WATER WORKS
DESIGN CONTACT : BRIAN CADY
PHONE : 7123281006

BULK REGULATIONS

FRONT YARD: 25 FEET
INTERIOR YARD: 10 FEET
STREET SIDE YARD: 15 FEET
REAR YARD: 10 FEET

PARKING REQUIREMENTS

1 SPACES PER 400 SF OF OFFICE
7224 SF/400 x 1 PARKING SPACES
= 18 SPACES TOTAL REQUIRED
16 PROPOSED SPACES PROVIDED
+17 EXISTING SPACES PROVIDED
= 33 TOTAL SPACES (INCLUDING 2 ADA)

CONTROL POINTS

IOWA REGIONAL COORDINATE SYSTEM ZONE 6
NAD83(2011)(EPOCH 2010.00) IARTN DERIVED - US SURVEY FEET

CP1	N=6965763.38 E=16465472.17 Z=982.96 1/2" REBAR W/ RED "SNYDER CONTROL" CAP (AS SHOWN ON SURVEY)
CP2	N=6965777.93 E=16465120.51 Z=983.93 1/2" REBAR W/ RED "SNYDER CONTROL" CAP (AS SHOWN ON SURVEY)
CP3	N=6965597.62 E=16465083.09 Z=981.75 1/2" REBAR W/ RED "SNYDER CONTROL" CAP (AS SHOWN ON SURVEY)
CP4	N=6965594.76 E=16465558.46 Z=982.94 1/2" REBAR W/ RED "SNYDER CONTROL" CAP (AS SHOWN ON SURVEY)

BENCHMARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 - GEOID18)
IARTN DERIVED - US SURVEY FEET

BM500	ELEV=985.68 ARROWHEAD ON FIRE HYDRANT(AS SHOWN ON SURVEY)

DATE OF SURVEY

NOVEMBER 14TH , 2025

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811

QUANTITIES

ITEM #	DESCRIPTION	QUANTITY	UNIT
1	SITE GRADING - CUT TO WASTE	180	CY
2	SITE GRADING - TOP SOIL, ON-SITE (REAPREAD)	226	CY
3	SAW CONCRETE - FULL DEPTH	414	LF
4	PAVEMENT REMOVAL	255	SY
5	REMOVE AND REINSTALL SIGN	1	EA
6	REMOVE BASKETBALL HOOP	1	EA
7	6" HDPE STORM SEWER	135	LF
8	15" RCP STORM SEWER	35	LF
9	SW-401 MANHOLE	1	EA
10	15" FLARED END SECTION W/ ORIFICE PLATE	1	EA
11	6" 22.5 DEGREE BEND HDPE CONNECTION	1	EA
12	6" HDPE CLEANOUT FOR DOWNSPOUT	3	EA
13	SUBGRADE PREPARATION, 6" DEPTH	250	SY
14	SUBGRADE PREPARATION, 12" DEPTH	878	SY
15	PAVEMENT, PCC, 6"	757	SY
16	PAVEMENT, PCC, 7"	6	SY
17	6" PCC CURB AND GUTTER	538	LF
18	SIDEWALK, PCC, 4"	205	SY
19	3" RIVER ROCK	18	SY
20	PAVEMENT MARKINGS, PAINTED	520	LF
21	SYMBOLS & LEGENDS, PAINTED	2	EA
22	FENCING, TEMPORARY CONSTRUCTION	500	LF
23	STABILIZED CONSTRUCTION ENTRANCE	1	EA
24	STAGING AREA	1	LS
25	INSTALL TYPE A SIGN (R7-8)	2	EA
26	30' FLAG POLE & INSTALLATION	1	EA
27	35' FLAG POLE & INSTALLATION	1	EA
28	SEEDING - SUDAS TYPE 1 SEED MIX	0.06	AC
29	SEEDING - SUDAS WET MIX	0.11	AC
30	INLET PROTECTION	4	EA
31	2" PVC WATER SERVICE LINE - TRENCHED	12	LF
32	6" PVC C900 WATER SERVICE LINE- TRENCHED	272	LF
33	TAP EXISTING WATER MAIN	1	EA
34	CURB STOP	1	EA
35	4" PVC SANITARY SEWER SERVICE LINE	15	LF
36	4" SANITARY CONNECT TO EXISTING WYE	1	EA
37	SANITARY CLEANOUT	1	EA
38	STRAW EROSION CONTROL WATTLES	100	LF
39	SILT FENCE	260	LF
40	LANDSCAPING	1	LS
41	PAVIX APPLIED TO ALL NEW CONCRETE	757	SY

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
125.1329.10

GENERAL INFORMATION

C2

4/20/2026 10:49 AM
v:\Projects\2025\125.1329.100\CADD\1251329_C2_INFO.dwg RDICKEY, GENERAL INFORMATION, 2026/04/20, 10:51 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

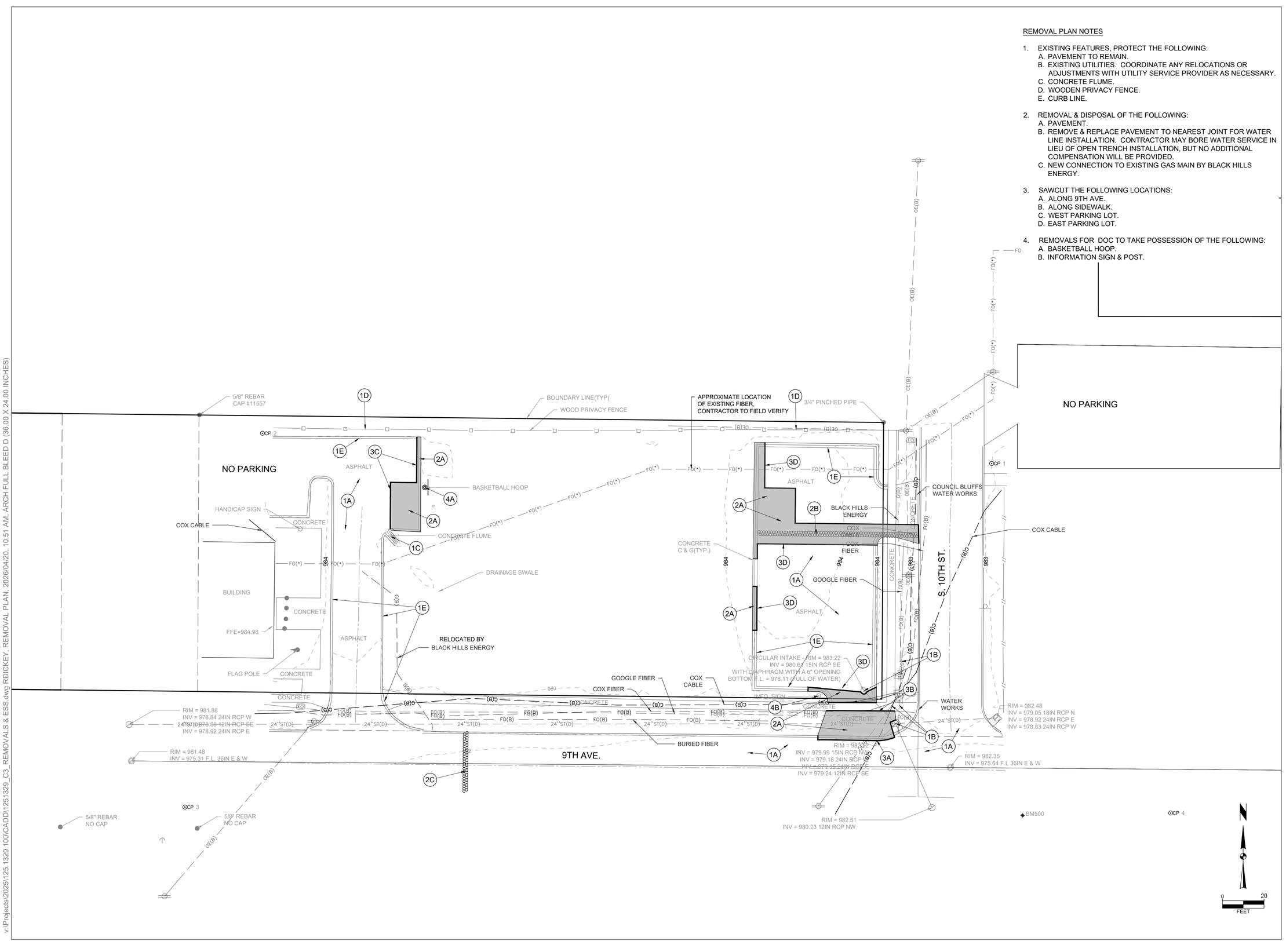
REMOVAL PLAN NOTES

1. EXISTING FEATURES, PROTECT THE FOLLOWING:
   A. PAVEMENT TO REMAIN.
   B. EXISTING UTILITIES. COORDINATE ANY RELOCATIONS OR ADJUSTMENTS WITH UTILITY SERVICE PROVIDER AS NECESSARY.
   C. CONCRETE FLUME.
   D. WOODEN PRIVACY FENCE.
   E. CURB LINE.

2. REMOVAL & DISPOSAL OF THE FOLLOWING:
   A. PAVEMENT.
   B. REMOVE & REPLACE PAVEMENT TO NEAREST JOINT FOR WATER LINE INSTALLATION. CONTRACTOR MAY BORE WATER SERVICE IN LIEU OF OPEN TRENCH INSTALLATION, BUT NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
   C. NEW CONNECTION TO EXISTING GAS MAIN BY BLACK HILLS ENERGY.

3. SAWCUT THE FOLLOWING LOCATIONS:
   A. ALONG 9TH AVE.
   B. ALONG SIDEWALK.
   C. WEST PARKING LOT.
   D. EAST PARKING LOT.

4. REMOVALS FOR DOC TO TAKE POSSESSION OF THE FOLLOWING:
   A. BASKETBALL HOOP.
   B. INFORMATION SIGN & POST.



4/20/2026 8:23 AM
v:\Projects\2025\125.1329.100\CADD\125.1329_C3_REMOVALS & ESS.dwg RDICKEY, REMOVAL PLAN, 2026/04/20, 10:51 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

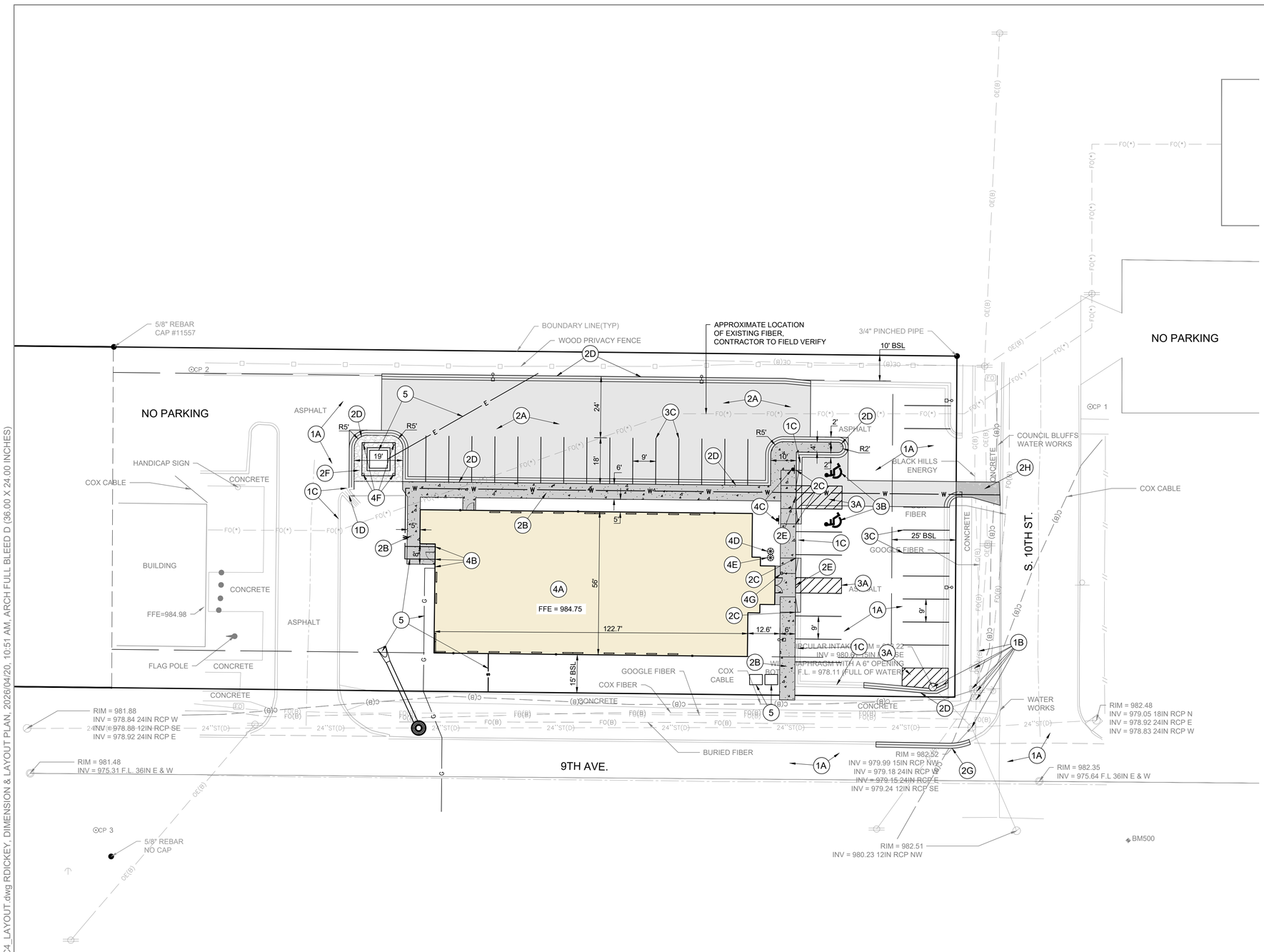
REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
125.1329.10

REMOVAL PLAN

C3



DIMENSION PLAN CONSTRUCTION NOTES

1. EXISTING FEATURES, PROTECT THE FOLLOWING:
   - A. PAVEMENT TO REMAIN.
   - B. EXISTING UTILITIES. COORDINATE ANY RELOCATIONS OR ADJUSTMENTS WITH UTILITY SERVICE PROVIDER AS NECESSARY.
   - C. CURB.
   - D. CONCRETE FLUME.
2. PAVEMENTS, PROVIDE THE FOLLOWING:
   - A. 6" DEPTH PCC ON 12" PREPARED SUBGRADE. PAVIX SHALL BE APPLIED OR INCORPORATED INTO MIX WITH POUR.
   - B. 4" DEPTH PCC SIDEWALK ON 6" DEPTH PREPARED SUBGRADE.
   - C. TAPERED CURB.
   - D. 6" PCC CURB & GUTTER.
   - E. CURB DROP.
   - F. 3" RIVER ROCK. 2'-0" DEEP FOR 3'-0 OUTSIDE OF TRANSFORMER EQUIPMENT PAD TO BE LINED WITH SOIL FABRIC. 4" DEEP FOR THE REST OF THE AREA. SEE DETAIL ON SHEET C11.
   - G. CURB & GUTTER TO MATCH EXISTING PAVEMENT.
   - H. 7" DEPTH PCC ON 12" PREPARED SUBGRADE TO R.O.W. LINE.
3. CONTRACTOR TO REMOVE ALL EXISTING PAVEMENT MARKINGS PRIOR TO INSTALLING NEW PAVEMENT MARKINGS, PROVIDE THE FOLLOWING:
   - A. YELLOW PAINTED ACCESSIBLE AISLE. 45° STRIPING AT 3' ON CENTER.
   - B. ACCESSIBLE SYMBOL AS PER ADA STANDARDS.
   - C. YELLOW 4" WIDE PAINTED PARKING STALL LINES.
4. PROVIDE THE FOLLOWING SITE IMPROVEMENTS WHERE SHOWN ON PLAN:
   - A. BUILDING; SEE ARCHITECTURAL PLANS FOR DETAILS.
   - B. REFER TO THE MEP PLANS FOR UTILITIES CONNECTING INTO THE BUILDING.
   - C. VAN ACCESSIBLE PARKING SIGNAGE AS PER ADA STANDARDS.
   - D. 30 FOOT FLAG POLE; TO BE "CONRAD AMERICAN FLAGPOLE CONTINENTAL SERIES" OR APPROVED EQUAL.
   - E. 35 FOOT FLAG POLE; TO BE "CONRAD AMERICAN FLAGPOLE CONTINENTAL SERIES" OR APPROVED EQUAL.
   - F. BOLLARDS: 6" CONCRETE FILLED PIPE PAINTED YELLOW. BURY 4' DEEP. BOLLARDS PLACED AT CORNERS OF TRANSFORMER MOTE. SEE DETAIL ON SHEET C11.
   - G. ADA PRESS BUTTON BOLLARD, SEE ELECTRICAL PLANS.
5. SEE UTILITY SHEET FOR ELECTRICAL, GAS, WATER SERVICE, STORM SEWER AND SANITARY SEWER INFORMATION.
6. PAVIX USE METHOD:
   - APPLY PAVIX ON CURED CONCRETE (14-DAY MINIMUM CURE TIME).
   - PRIOR TO APPLYING PAVIX, REPAIR AND SEAL JOINTS, CRACKS, AND VOIDS GREATER THAN 1/16TH INCH.
   - POWER WASH ALL SURFACES TO RECEIVE PAVIX.
   - USE COMPRESSED AIR TO REMOVE SURFACE PARTICLES, DUST, AND WATER JUST PRIOR TO PAVIX APPLICATION.
   - APPLY PAVIX IN ONE COAT WITH A TARGET COVERAGE RATE OF 150 SF/GAL.
   - COVERAGE RATE SHALL NOT EXCEED 200 SF/GAL.
   - DO NOT APPLY PAVIX IF CONCRETE SURFACE TEMPERATURE IS BELOW 40°F(5°C).
   - IF CONTRACTOR CHOOSES TO INCORPORATE PAVIX WITH POUR, THEN DIFFERENT METHODS SHALL BE DISCUSSED AND APPROVED PRIOR TO POUR.

LEGEND

- 6" DEPTH PCC ON 12" PREPARED SUBGRADE WITH JOINTING PER SUDAS 7010.101
- 4" DEPTH PCC SIDEWALK ON 6" DEPTH PREPARED SUBGRADE, WITH JOINTING PER SUDAS 7010.101
- 3" RIVER ROCK, DEPTHS VARY, SEE DETAIL ON SHEET C11
- 7" DEPTH PCC ON 12" PREPARED SUBGRADE TO R.O.W. LINE WITH JOINGING PER SUDAS 7010.101

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

REVISIONS

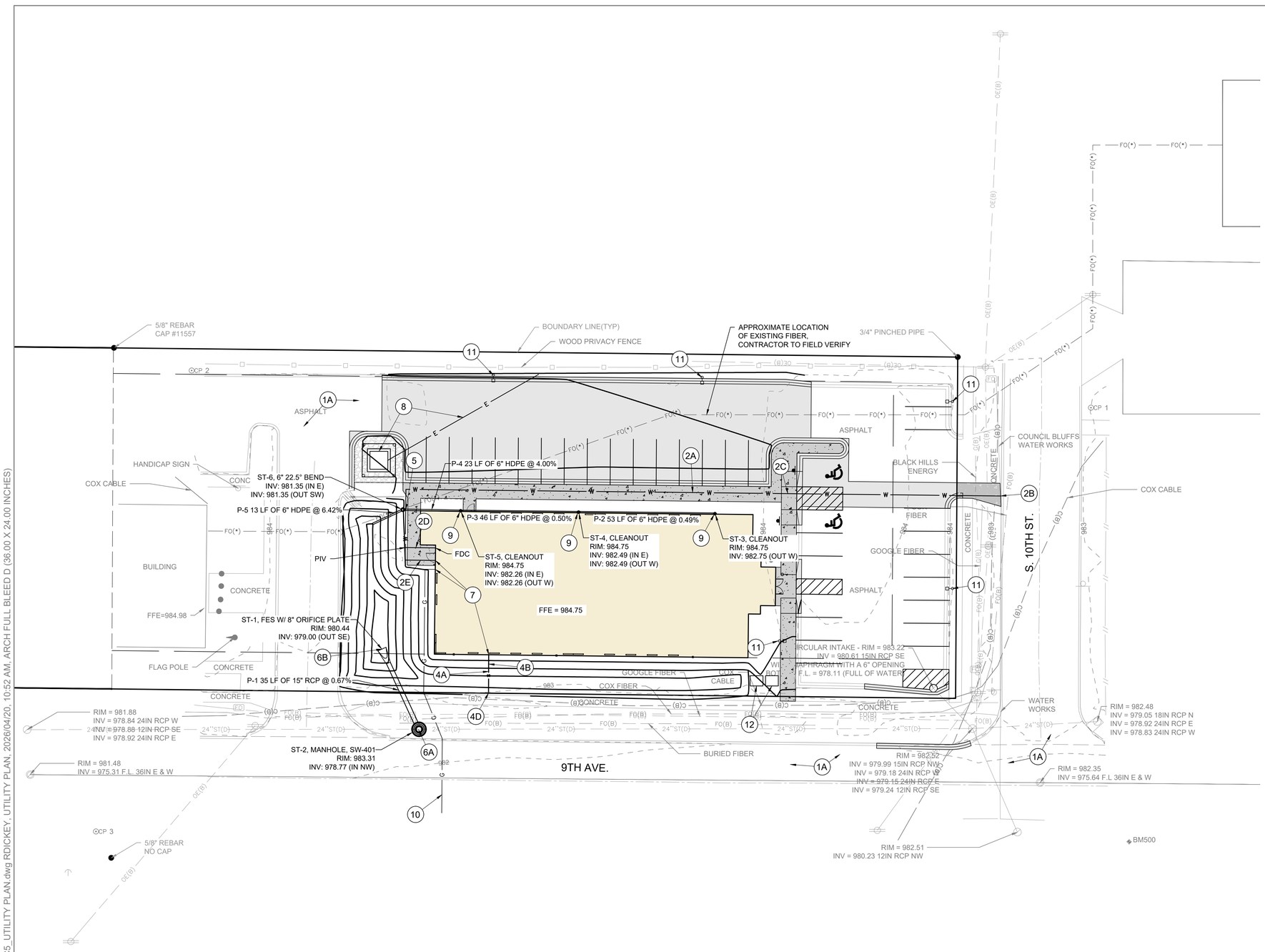
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
125.1329.10

DIMENSION & LAYOUT PLAN

C4

4/20/2026 10:41 AM
v:\Projects\2025\125.1329.100\CADD\1251329_C4_LAYOUT.dwg RDICKEY, DIMENSION & LAYOUT PLAN, 2026/04/20, 10:51 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)



UTILITY CONSTRUCTION NOTES

1. EXISTING FEATURES, PROTECT THE FOLLOWING:
   A. PROTECT EXISTING UTILITIES.
   B. PROTECT EXISTING PAVEMENTS.
2. WATER SERVICE, PROVIDE THE FOLLOWING:
   A. 6" WATER SERVICE. COORDINATE BUILDING CONNECTION WITH ARCHITECTURAL PLANS. SEE CBWW STANDARD 6" SERVICE TAP FOR ADDITIONAL INFORMATION. APPROXIMATELY 272' FROM BUILDING CONNECTION TO WATER MAIN CONNECTION.
   B. CONNECT TO EXISTING WATER MAIN WITH 6" TAPPING VALVE AND SLEEVE. ALL WORK UP TO THE CURB STOP MUST BE COMPLETED WITH CBWW INSPECTOR PRESENT. ALL WATER MAIN SHALL BE COMPLETED TO CBWW STANDARDS.
   C. CURB STOP AND BOX. SEE CBWW STANDARD 6" SERVICE DETAIL FOR ADDITIONAL INFORMATION.
   D. 6" FIRE SERVICE LINE.
   E. 2" WATER SERVICE.
3. STORM AND SANITARY IMPROVEMENTS SHALL BE PROVIDED AND INSTALLED PER SUDAS STANDARD SPECIFICATIONS.
4. SANITARY SEWER, PROVIDE THE FOLLOWING:
   A. 4" SANITARY SEWER SERVICE LINE. APPROXIMATELY 15' FROM BUILDING CONNECTION TO EXISTING SANITARY SEWER CONNECTION.
   B. 4" CLEANOUT PER SUDAS STANDARD SPECIFICATIONS 4010.
   C. MAINTAIN 18" MINIMUM SEPARATION FROM WATER SERVICE. PLACE SANITARY SERVICE LOWER THAN WATER SERVICE IF POSSIBLE.
   D. CONNECT TO EXISTING SANITARY SEWER WYE PER SUDAS STANDARD SPECIFICATIONS SECTION 4010. CONTRACTOR TO VERIFY LOCATION OF EXISTING WYE.
5. CRITICAL CROSSING. MAINTAIN 18" MIN. SEPARATION. VERIFY CROSSING WITH EXISTING UTILITIES PRIOR TO CONSTRUCTION.
6. STORM SEWER IMPROVEMENTS, PROVIDE THE FOLLOWING:
   A. CONNECT TO EXISTING 24" STORM SEWER WITH MANHOLE PER SUDAS SPECIFICATIONS SECTION 6010. VERIFY LOCATION, DEPTH AND SIZE PRIOR TO CONSTRUCTION.
   B. FES WITH 8" ORIFICE PLATE, SEE DETAIL ON SHEET C11.
7. CONNECT SANITARY, WATER, AND GAS TO BUILDING SERVICE. COORDINATE SIZE, LOCATION, AND ELEVATION WITH MECHANICAL PLANS PRIOR TO CONSTRUCTION.
8. ESTIMATED LOCATION OF ELECTRICAL TRANSFORMER AND CONDUIT LINES; SEE MEP PLANS FOR CONNECTION TO BUILDING AND ADDITIONAL INFORMATION, FINAL LOCATION TO BE COORDINATED WITH MID AMERICAN ENERGY.
9. SEE DOWNSPOUT CONNECTION DETAIL ON SHEET C11. REFER TO ARCHITECTURAL PLANS FOR CONNECTION.
10. GAS SERVICE, TO BE INSTALLED BY BLACK HILLS ENERGY.
11. PROPOSED LOCATIONS OF LIGHT POLES, REFER TO MEP PLANS FOR MORE INFORMATION.
12. FIBER & COMMUNICATION BOXES, SEE SHEET T100.

LEGEND

- W — PROPOSED WATER LINE
- S — PROPOSED SEWER LINE
- E — PROPOSED FIBER OPTIC LINE
- G — PROPOSED GAS LINE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

REVISIONS

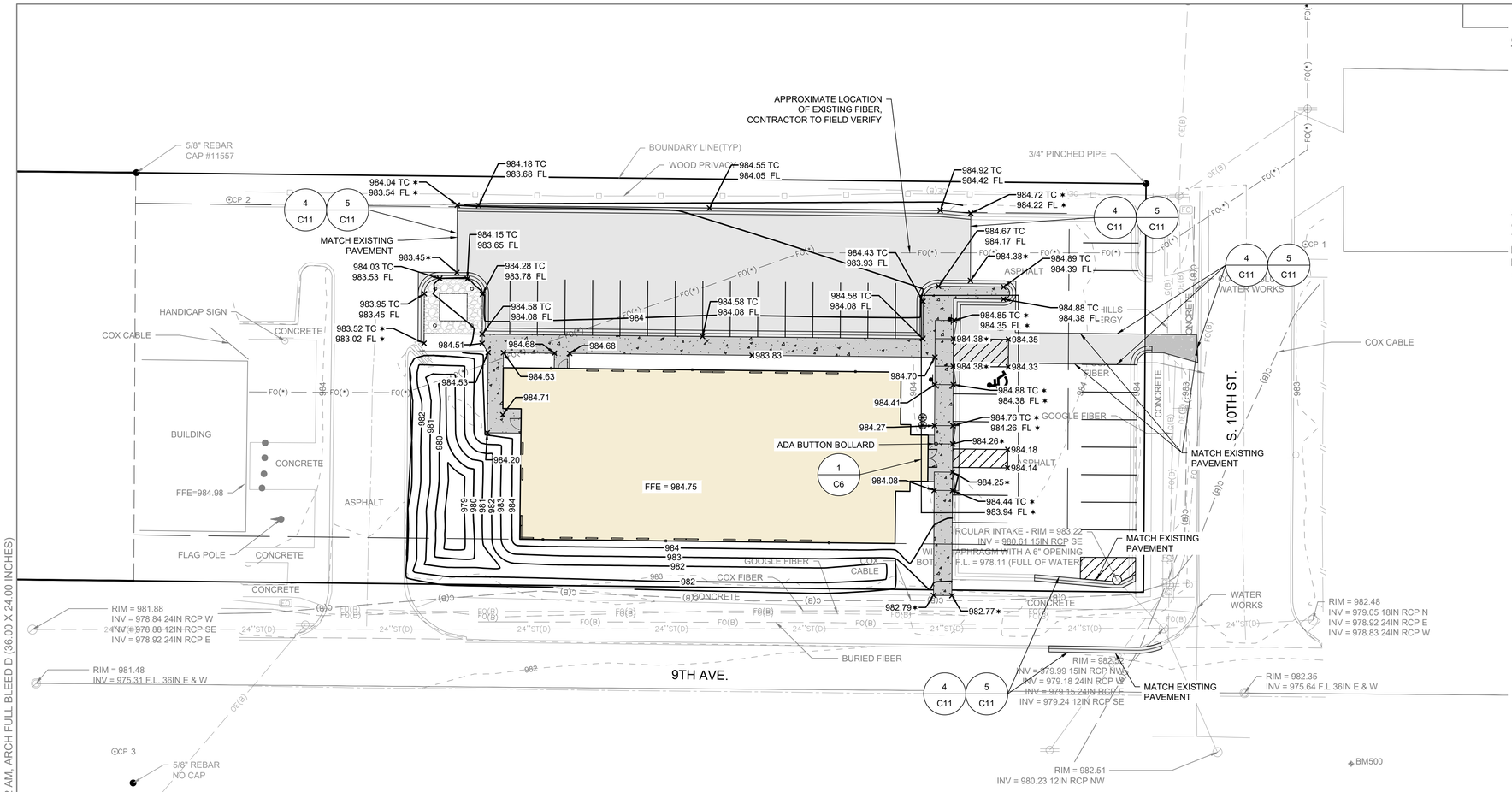
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

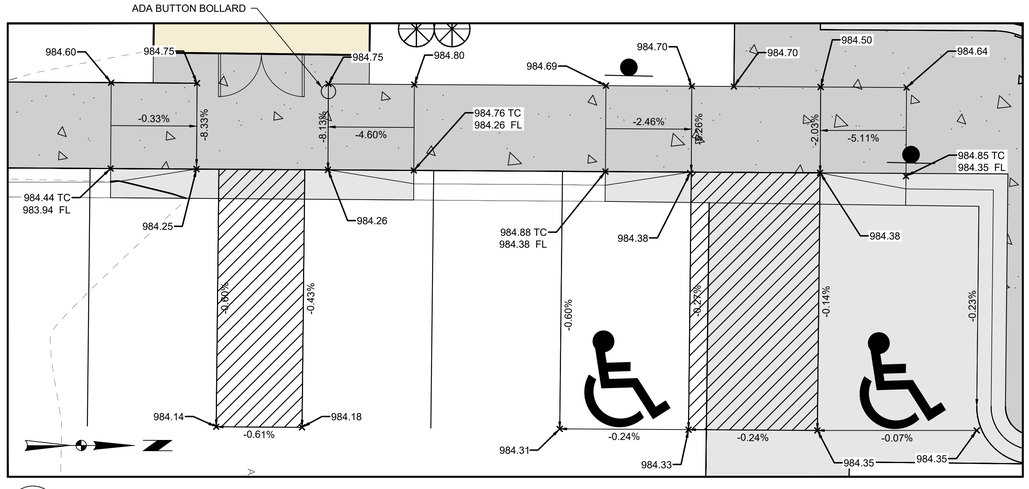
PROJECT NUMBER
125.1329.10

UTILITY PLAN

C5

4/20/2026 8:44 AM
v:\Projects\2025\125.1329.100\CADD\1251329_C5_UTILITY PLAN.dwg RDICKEY, UTILITY PLAN, 2026/04/20, 10:52 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)





1 / C6 ADA SIDEWALK RAMPS & PARKING STALL DETAILS

1" = 5'

GRADING PLAN NOTES

1. CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL FOR ALL AREAS TO BE CUT OR FILLED. DUE TO SITE CONSTRAINTS THE STOCKPILE SHALL BE OFF SITE. RE-SPREAD TO MINIMUM 6" DEPTH TO FINISH GRADES.
2. ANY EXCESS CUT TO BE SPREAD ON SITE AS DIRECTED BY ENGINEER DURING CONSTRUCTION. PLACE TOPSOIL OVER ALL AREAS DISTURBED.
3. GRADES SHOWN ARE FINISHED GRADE AND/OR TOP OF PAVING SLAB, UNLESS OTHERWISE NOTED.

SPOT ELEVATIONS INDICATE TOP OF SLAB, FINISH FLOOR ELEVATION, OR FINISH GRADE, UNLESS OTHERWISE NOTED.
TC= TOP OF CURB
FL= FLOW LINE
FFE= FINISHED FLOOR ELEVATION
✱ = VERIFY

0 20 FEET

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

REVISIONS

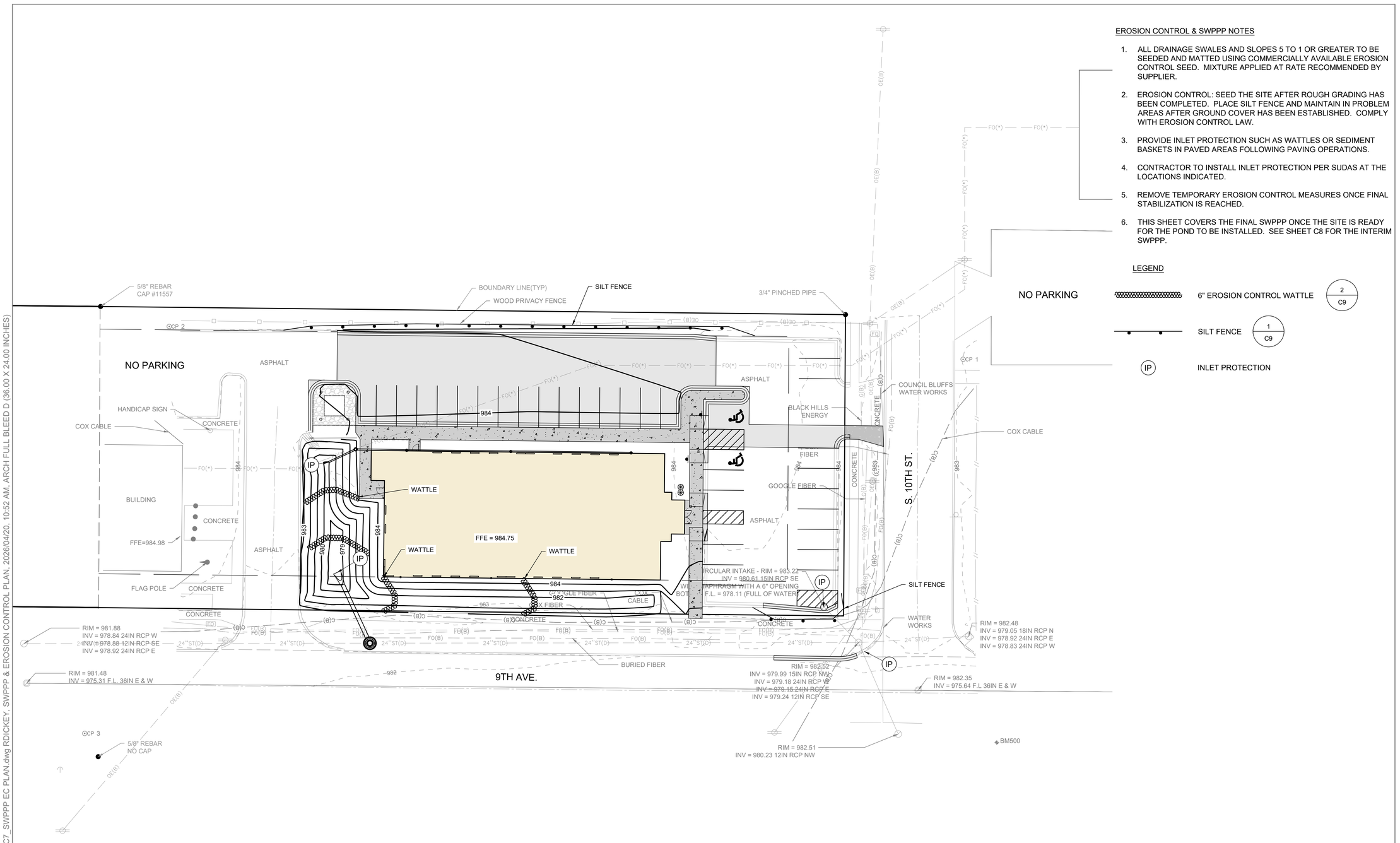
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
125.1329.10

GRADING PLAN

C6

4/20/2026 10:45 AM
v:\Projects\2025\125.1329.100\CADD\125\329_C6_GRADING PLAN.dwg RDICKEY, GRADING PLAN, 2026/04/20, 10:52 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)



EROSION CONTROL & SWPPP NOTES

1. ALL DRAINAGE SWALES AND SLOPES 5 TO 1 OR GREATER TO BE SEEDED AND MATTED USING COMMERCIALLY AVAILABLE EROSION CONTROL SEED. MIXTURE APPLIED AT RATE RECOMMENDED BY SUPPLIER.
2. EROSION CONTROL: SEED THE SITE AFTER ROUGH GRADING HAS BEEN COMPLETED. PLACE SILT FENCE AND MAINTAIN IN PROBLEM AREAS AFTER GROUND COVER HAS BEEN ESTABLISHED. COMPLY WITH EROSION CONTROL LAW.
3. PROVIDE INLET PROTECTION SUCH AS WATTLES OR SEDIMENT BASKETS IN PAVED AREAS FOLLOWING PAVING OPERATIONS.
4. CONTRACTOR TO INSTALL INLET PROTECTION PER SUDAS AT THE LOCATIONS INDICATED.
5. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE FINAL STABILIZATION IS REACHED.
6. THIS SHEET COVERS THE FINAL SWPPP ONCE THE SITE IS READY FOR THE POND TO BE INSTALLED. SEE SHEET C8 FOR THE INTERIM SWPPP.

LEGEND

NO PARKING

6" EROSION CONTROL WATTLE — 2 / C9

SILT FENCE — 1 / C9

IP — INLET PROTECTION

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | IOWA

SNYDER & ASSOCIATES

Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
125.1329.10

SWPPP & EROSION CONTROL PLAN

C7

4/20/2026 10:45 AM
v:\Projects\2025\125.1329.100\CADD\125329_C7_SWPPP EC PLAN.dwg RDICKEY, SWPPP & EROSION CONTROL PLAN, 2026/04/20, 10:52 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

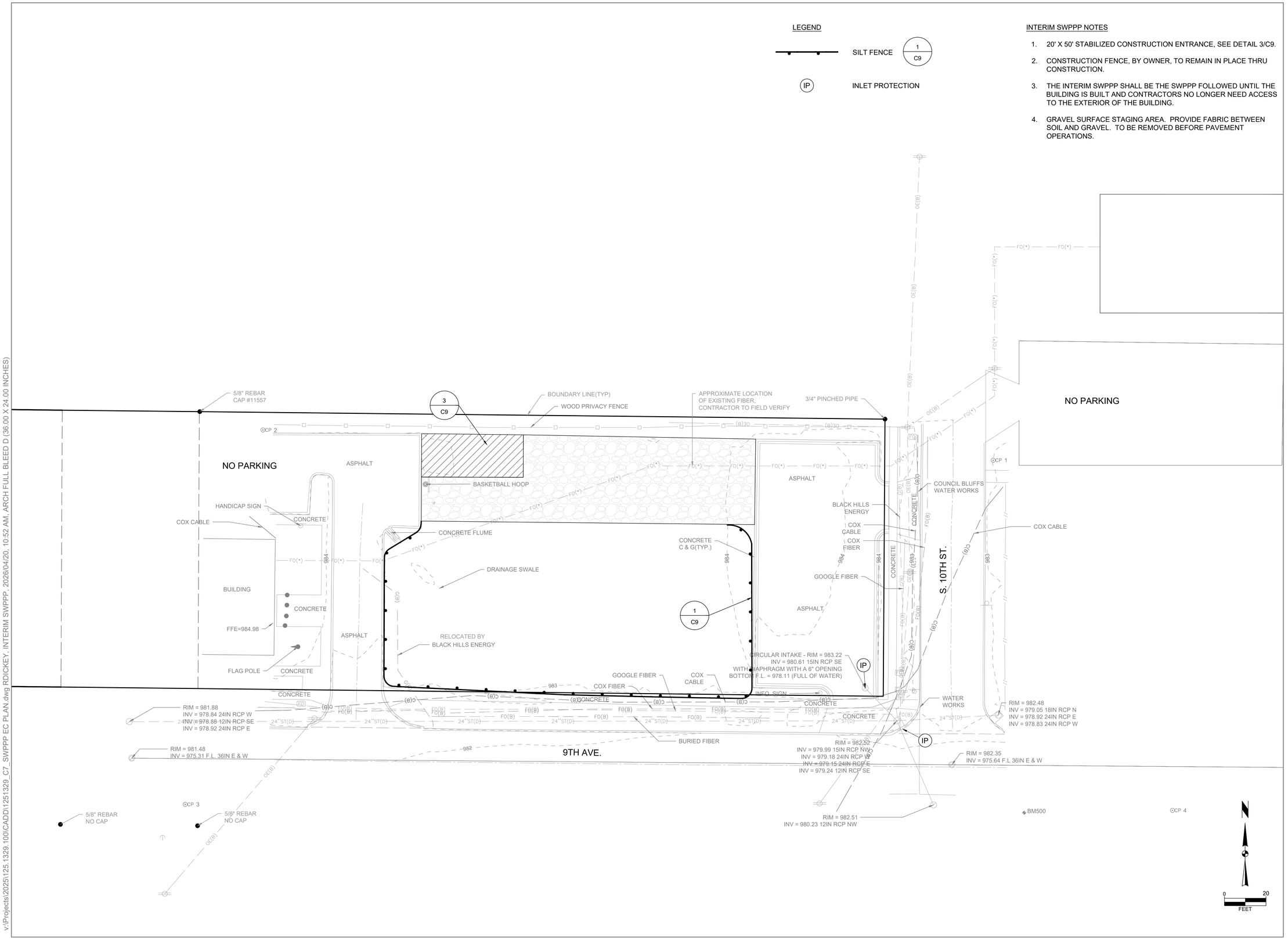
LEGEND

SILT FENCE — 1 / C9

IP — INLET PROTECTION

INTERIM SWPPP NOTES

1. 20' X 50' STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 3/C9.
2. CONSTRUCTION FENCE, BY OWNER, TO REMAIN IN PLACE THRU CONSTRUCTION.
3. THE INTERIM SWPPP SHALL BE THE SWPPP FOLLOWED UNTIL THE BUILDING IS BUILT AND CONTRACTORS NO LONGER NEED ACCESS TO THE EXTERIOR OF THE BUILDING.
4. GRAVEL SURFACE STAGING AREA. PROVIDE FABRIC BETWEEN SOIL AND GRAVEL. TO BE REMOVED BEFORE PAVEMENT OPERATIONS.



SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

REVISIONS

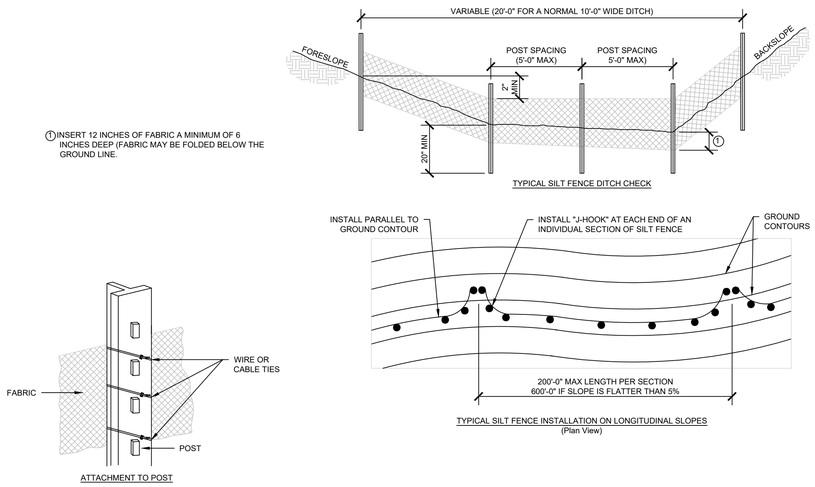
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
125.1329.10

INTERIM SWPPP

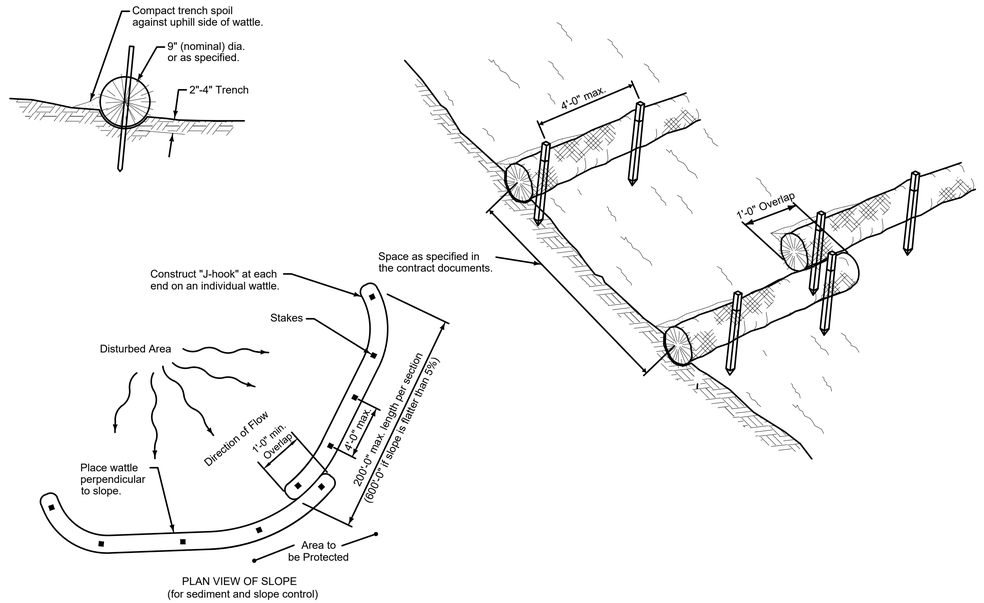
C8

4/20/2026 10:45 AM
v:\Projects\2025\125.1329.100\CADD\125\329_C7_SWPPP EC PLAN.dwg RDICKEY, INTERIM SWPPP, 2026/04/20, 10:52 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)



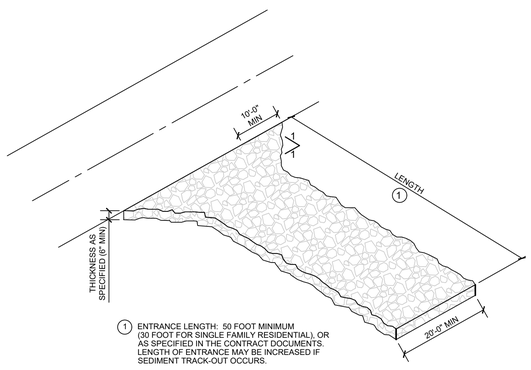
1 C9 SILT FENCE DETAIL

NO SCALE



2 C9 WATTLE DETAIL

NO SCALE



3 C9 STABILIZED CONSTRUCTION ENTRANCE

NO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA | Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
125.1329.10

SWPPP DETAILS

C9

4/20/2026 10:45 AM
v:\Projects\2025\125.1329.100\CADD\1251329_C7_SWPPP EC PLAN.dwg RDICKEY, SWPPP DETAILS, 2026/04/20, 10:52 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

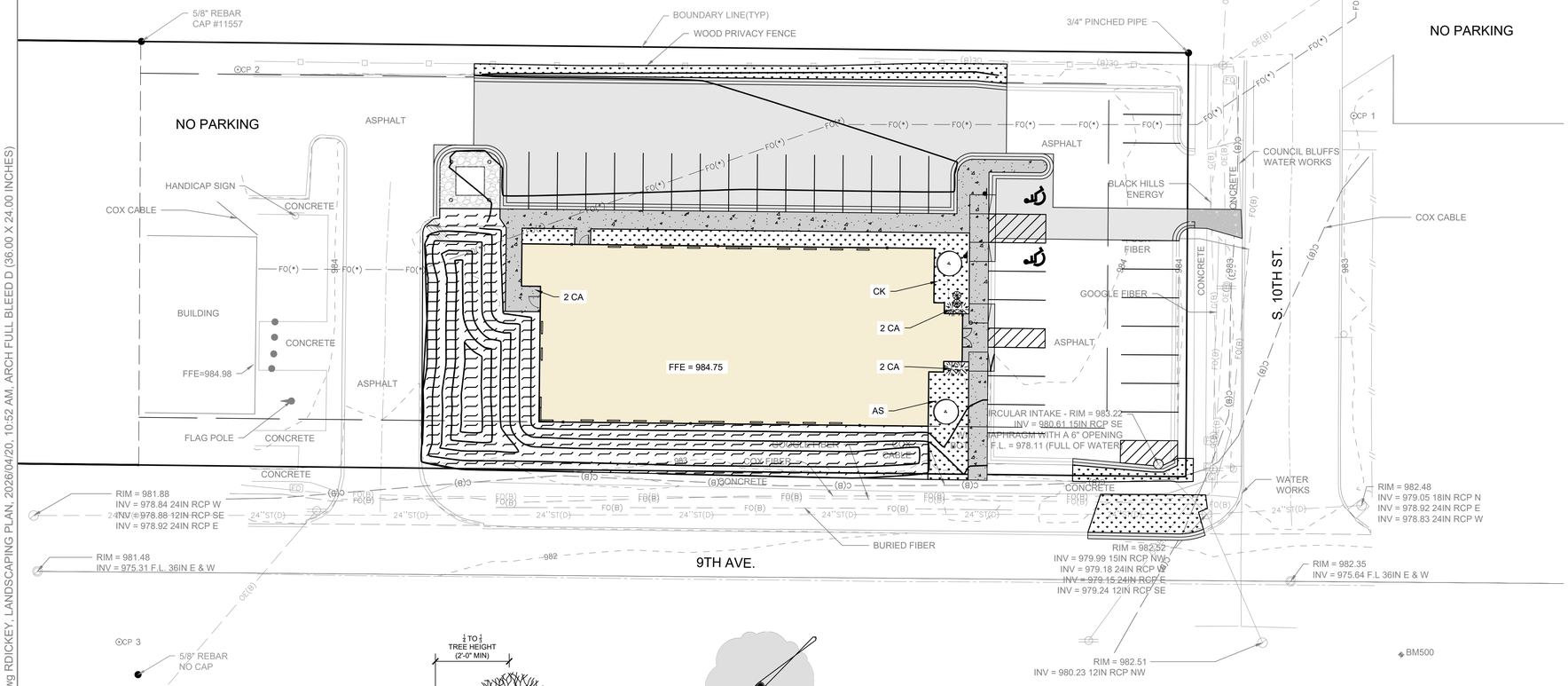
PLANT SCHEDULE						
QTY	KEY	BOTANICAL NAME	COMMON NAME	INSTALL SIZE	MATURE SIZE	COMMENTS
TREES						
1	CK	cornus kousa 'satomi'	SATOMI DOGWOOD	2" Cal.	20'h x 20'w	B&B
1	AS	amelanchier arborea (single stem)	SERVICEBERRY	2" Cal.	20'h x 20'w	B&B
SHRUBS & GRASSES						
6	CA	Calamagrostis acutiflora	KARL FOERESTER FEATHER REED GRASS	3-5 Gal		CONT. (3' O.C.)

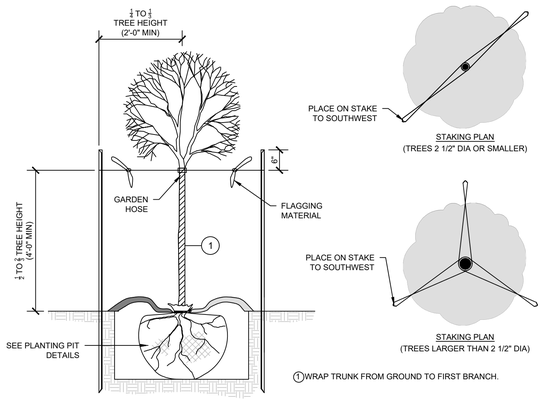
PLANTING PLAN NOTES

1. ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1 - LATEST EDITION).
2. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF INSTALLATION.
3. PROVIDE 3-INCH DEPTH SHREDDED HARDWOOD MULCH AROUND ALL PLANTINGS TO A MIN. 3-FOOT PERIMETER, AND IN ALL AREAS INDICATED ON PLAN.
4. CONTRACTOR TO SEED ALL AREAS DISTURBED BY CONSTRUCTION WITH SUDAS TYPE-1 PERMANENT LAWN SEED MIX OR SUDAS WETLAND SEED MIX WHERE SHOWN. ALL SUDAS SEEDING GUIDANCE SHALL BE FOLLOWED.
5. CONTRACTOR TO WATER NEW SEED AND PLANTINGS TO ENSURE ESTABLISHMENT FOR A PERIOD OF 3 MONTHS OR 80% FILL.

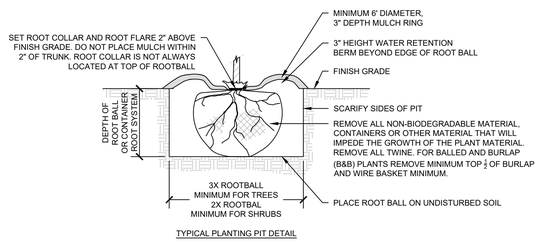
LEGEND

- SEEDING - SUDAS TYPE 1 SEED MIX
- SEEDING - SUDAS WETLAND MIX





1 C10 DECIDUOUS TREES STAKING DETAIL
NO SCALE



TYPICAL PLANTING PIT DETAIL

2 C10 PLANTING PIT DETAILS
NO SCALE

0 20 FEET

4/20/2026 10:17 AM
v:\Projects\2025\125.1329.100\CADD\1251329_C8_LANDSCAPING.dwg RDICKEY, LANDSCAPING PLAN, 2026/04/20, 10:52 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

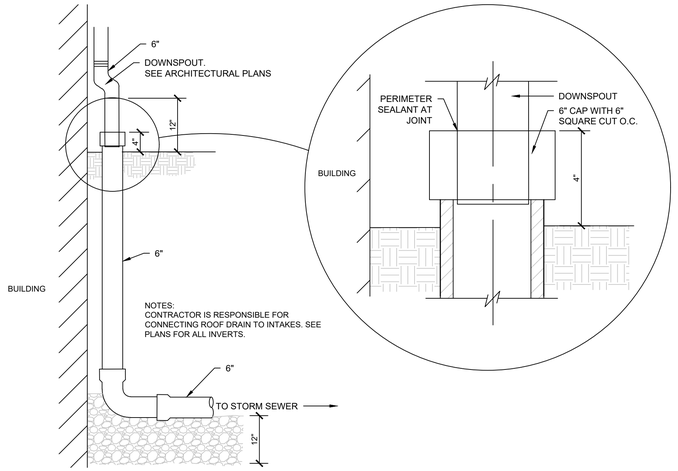
REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

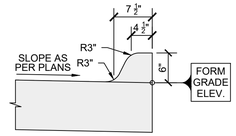
PROJECT NUMBER
125.1329.10

LANDSCAPING PLAN

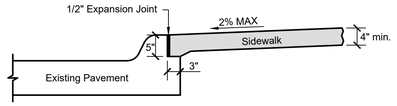
C10



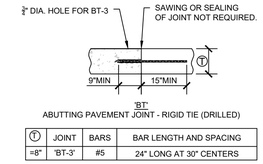
1 / C11 DOWNSPOUT CONNECTION DETAIL
NO SCALE



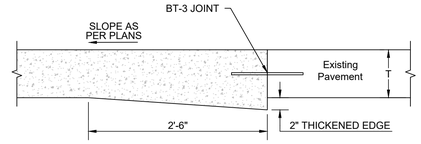
2 / C11 6-INCH STANDARD CURB
NO SCALE



3 / C11 INTEGRAL SIDEWALK AND CURB DETAIL
NO SCALE



4 / C11 CONNECTION JOINT DETAIL
NO SCALE



5 / C11 THICKENED EDGE DETAIL
NO SCALE

6 / C11 PIPE BOLLARD DETAIL
NO SCALE

7 / C11 PADMOUNT TRANSFORMER DETAIL
NO SCALE

8 / C11 FLARED END SECTION CIRCULAR RESTRICTOR PLATE
NO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CD DOCUMENTS
04-21-2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
125.1329.10

DETAILS

C11

4/20/2026 10:25 AM
v:\Projects\2025\125.1329.100\CADD\125.1329_C9_DETAILS.dwg RDICKEY, DETAILS, 2026/04/20, 10:52 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

DESIGN CRITERIA

D1) Codes:

International Building Code, 2024
American Concrete Institute 318-19
American Institute of Steel Construction
Specification for Structural Steel Buildings 360-22
American Iron and Steel Institute
North American Standard for Cold-Formed Steel
Structural Framing AISI S240-20
American Society of Civil Engineers / Structural Engineering
Institute ASCE/SEI 7-22

D2) Dead loads:

Floor superimposed dead load:	10 psf
Roof superimposed dead load:	10 psf

D3) Live loads:

Snow load:	
Ground snow load:	Pg=52 psf
Flat-roof snow load (minimum):	Pf=40.7 psf
Snow exposure factor:	Ce=1.0
Risk Category:	II
Thermal factor:	Ct=1.12
Snow importance factor:	Is=1.00
Slope factor:	Cs=1.0
Snow drift load: See Building Sections	
Winter wind parameter for snow drift:	W_2= 0.55 ft
Roof load (minimum):	20 psf
Corridor & public space:	100 psf
Corridors above first floor:	80 psf
Assembly areas	100 psf
Office:	50 psf
Partitions:	15 psf
Stairs:	100 psf

D4) Lateral loads:

Wind: Basic wind speed:	111 mph
ASD wind speed:	86 mph
Risk category:	II
Effective plan area:	Ae = _ ft²
Wind exposure:	B
Interior pressure coefficient (+/-):	GCpi=0.18
Wall component wind pressure:	See Table
Seismic: Design Category:	B
Risk category:	II
Importance factor:	Ie=1.00
Mapped spectral response acceleration:	
	Ss=0.086
	S1=0.051
Site class	D
Spectral response coefficients:	Sds=0.080
	Sd1=0.074
Basic seismic-force-resisting system:	
Design base shear:	V=
Response coefficient:	Cs=
Response modification factors:	R=
Analysis procedure used:	
Equivalent Lateral Force Analysis	

D5) Special loads:

Flood: Flood design class:	_
Lowest floor elevation:	_ feet
Dry floodproofed elevation:	_ feet
(If required by IBC Section 1612.4)	
Equipment:	
	__ lbs.

D6) Net allowable soil bearing pressures: (A soils report is on file with the architect for additional information.)

Column footings:	1500 psf
Wall footings:	1500 psf

D7) Concrete strengths - Minimum 28 day f 'c
(145 pcf density unless noted otherwise)

Typical-unless noted otherwise:	4000 psi
Fill on composite mtl. decking:	3500 psi
Footings:	3000 psi
Foundation walls:	4500 psi
Slabs on grade Interior:	4000 psi
Slabs on grade Exterior:	5000 psi

D8) Reinforcing steel shall be high strength new billet steel conforming to the following:

Deformed bars:	ASTM A615, Gr. 60 (unless otherwise noted)
Weldable reinforcing:	ASTM A706, Gr. 60
Welded wire reinforcing:	ASTM A1064

D9) Structural steel:

W- shapes:	A992
Other rolled shapes and connection material:	ASTM A36
Stiffener plates:	ASTM A36
Anchor bolts:	ASTM F1554, Gr.36
High Strength bolts:	ASTM F3125, Gr. A325 (3/4" diameter U.N.O.)
Structural tubes:	ASTM A500, Gr. C

D10) Cold-Formed Structural Studs:

Rolled sections:	ASTM A653
Connection material:	ASTM A653
Connection material:	ASTM A36 (t > 3/16")
Stiffener plates:	ASTM A653
Anchor bolts:	ASTM F1554
Bolts:	ASTM A307
Coating	
Hot-dipped:	ASTM A653, Gr. 60
Electro-plate:	ASTM A879
Aluminum-zinc:	ASTM A792, Gr. 40
Installation:	ASTM C954 ASTM C1007

SPECIAL INSPECTION REQUIREMENTS

SR1) The following types of work require special inspection based on section 1705 of the 2024 International Building Code. See Specification section 014500 for specific requirements. The owner will employ special inspectors who shall provide special inspections during:

a) Earth Work
b) Cast-in-place Concrete.
c) Structural Steel.
d) Cold-Formed Steel Deck.
e) Cold-Formed Metal Framing.

GENERAL NOTES

G1) Establish and verify all openings and inserts for mechanical, electrical, and plumbing with appropriate trade contractors. Opening sizes and locations shown for ducts, pipes, inserts, etc., when shown are for general information only and shall be verified prior to forming.

G2) Field verify all existing dimensions, member sizes, and elevations shown on the drawings. All discrepancies shall be immediately brought to the attention of the Design Professional.

G3) Before submitting a proposal for this work, each bidder shall visit the premises and acquaint themselves fully with the existing conditions, temporary construction required, quantities and types of equipment, etc. The bid shall include all sums required to do the work within the existing conditions. Disruption of normal activities in the work area must be kept to a minimum.

G4) Shop drawings prepared by suppliers, subcontractors, etc. shall be reviewed and coordinated prior to submitting to the Design Professional. Each shop drawing submitted shall be stamped, initialed, and dated as being reviewed by the construction manager/general contractor.

G5) Shop drawings prepared by the subcontractors, suppliers, etc. shall be reviewed by the Design Professional for conformance with design concept only. Review by the Design Professional shall not begin without the prior coordination and review by the construction manager/general contractor. Work shall not begin without the review by the Design Professional.

G6) Details and notes on the structural drawings are intended to be typical for similar situations elsewhere. Verify all dimensions with the architectural drawings. Do not scale drawings; use dimensions provided only.

G7) Options are for the contractor's convenience. The contractor shall be responsible for all changes necessary if they choose an option and shall coordinate all details. The cost of additional design work necessitated by selection of an option shall be borne by the contractor.

G8) The cost of additional design work due to errors or omissions in construction shall be borne by the contractor.

G9) Any engineering design provided by others and submitted for review or record shall bear the stamp and signature of a professional structural engineer licensed in the state of Iowa.

G10) All elevations given thus (+10'-0") are to top of footing, joist bearing, top of steel, top of slab, etc. with reference to the finished first floor slab = (0'-0").

CONSTRUCTION PROCEDURES AND SAFETY REQUIREMENTS

P1) Comply with all applicable city, county, state, and federal laws, including the Occupational Safety and Health Act (OSHA) and regulations adopted pursuant thereto.

P2) The contract structural drawings and specifications represent the finished structure. Unless otherwise indicated, they do not indicate the means or methods of construction.

P3) Provide all measures necessary to protect the workers and other persons during construction. Provide all necessary measures to avoid excessive stresses and to hold the structural elements in place during construction. Such measures shall include, but not be limited to, bracing, shoring for construction equipment, shoring for earth banks forms, scaffolding, planking, safety nets, support and bracing for cranes and hoists, guying, etc.

P4) Engage properly qualified persons to determine where and how temporary precautionary measures shall be used. Observation visits to the site by structural engineer's field representatives shall not include the items noted above.

P5) Supervise and direct the work so as to maintain sole responsibility for all construction means, methods, techniques, sequences, and procedures. Retain the services of a professional structural engineer licensed in the state of Iowa to design and supervise any scaffolding for workmen, and all shoring of forms and elements of the construction.

P6) Any engineering design provided by others and submitted for review and/or record shall bear the stamp and signature of a professional structural engineer licensed in the state of Iowa.

FOOTINGS AND FOUNDATIONS

F1) All footings shall be placed onto firm undisturbed soil or controlled compacted fill as directed by the project soils consultant report recommendations. Footing elevations shown designate a minimum depth of footings where a safe soil bearing pressure is expected (see Design Criteria). Footings shall be lowered and piers and/or walls extended as required to reach the design bearing pressure.

F2) General machine excavation for footings done more than 12 hours before the footing is placed shall stop not less than 4" above the elevation of bottoms of footings. Final excavation to the required undisturbed soil elevation shall be done not more than 12 hours before the footing is placed. The excavation shall be crumbed clean.

F3) All foundation excavations shall be inspected and certified by a qualified independent soils testing firm.

F4) No footing shall be placed onto or against sub-grades containing free water, frost, or ice.

F5) Unless noted otherwise, all footings shall be centered under walls, piers, or columns.

F6) Where required, all necessary changes in elevation of wall footings shall be made in steps of 1 vertical to 2 horizontal. Location of steps shall be coordinated with the wall forming system and at least 2'-0" apart.

F7) Longitudinal reinforcing in wall footings shall be continuous at step downs. Slope or step bottom bars in wall to follow steps in footing unless otherwise shown. See typical step-down footing detail.

F8) Lap wall footing reinforcing 24 bar diameters or a minimum of 1'-6" at splices, unless otherwise noted.

F9) Provide corner bars in footings the same size and number as the continuous reinforcing, lapped 2'-0" with main steel.

F10) Reinforcing in wall footings between columns shall extend into column footings a minimum of 2'-0".

F11) Reinforcing in footings shall be accurately placed, spaced, supported, and secured before placing concrete (do not "float" reinforcing or CIP anchors into footings).

F12) Pipes extending under footings shall be placed before footing is placed and the void produced in laying the pipe shall be filled with concrete.

F13) Cross reference architectural and structural drawings to assure proper dimensions and placement of all anchor bolts, inserts, notches, and edges in grade beams, foundation walls, and piers.

F14) Backfill placed against walls and grade beams shall be done evenly on both sides.

F15) All unacceptable fill and top soil shall be removed from below all proposed slabs-on-grade and the exposed natural soil shall be proof rolled and the compaction verified by a qualified independent soils testing firm prior to placing fill. Areas exhibiting weakness shall be removed and replaced by acceptable compacted fill.

F16) A minimum 4" of clean compacted granular fill shall be placed under all slabs-on-grade. All fill required to attain final sub-grade for slabs and walls shall be an acceptable material placed and compacted as directed by the project soils consultant report recommendations.

F17) A vapor barrier with minimum 15 mil thickness shall be placed under all interior slab-on-grade or below granular fill; see architectural drawings. Lap and seal all edges.

CONCRETE AND REINFORCING

C1) All concrete work shall conform to the latest edition of the American Concrete Institute Publications: ACI 301, ACI 304, ACI 311, ACI 315, ACI 318, and ACI 347 unless otherwise noted on the drawings.

C2) Concrete shall consist of the following:

ASTM C150Type I Portland cement
ASTM C33Normal weight aggregates
(Limestone aggregate at exposed locations)
Potable water
Chlorides content shall be limited by ACI requirements for type of exposure.
Concrete which will be subjected to repeated cycles of freeze-thaw during the life of the structure shall have a water-cement ratio not exceeding 0.45 and shall contain entrained air. See ACI 301 for additional requirements.

C3) Unless otherwise noted, principal reinforcement shall have the following protection:

Surfaces cast against & permanently exposed to earth:	3 inches
Formed surfaces exposed to earth or water:	2 inches
Slabs:	1 inch (top)
	3/4 inch (bot.)
Walls (interior surface only):	1 inch
Ties/Stirrups:	1 1/2 inches

C4) All slabs-on-grade, pads, fills, and toppings shall have a minimum of 6 x 6 - W1.4 x W1.4 WWR, unless noted otherwise, placed 1" from top of slab. Lap WWR minimum 2 panels at edges and ends and provide additional reinforcing where shown on the drawings.

C5) All slabs-on-grade shall be placed on compacted granular fill. Pitch slabs to drains and provide depressions, where shown on the structural or architectural drawings, without reducing the thickness of slab indicated. For slabs on grade depressions greater than 1", see details for additional reinforcing. Composite slabs shall be poured by gaging deck thickness to meet the depth indicated on structural drawings. Pouring with a screed or "to-level" may unintentionally end up with thicker deck than intended resulting in additional deflections and over-stressing of members.

C6) Provide slab-on-grade construction joints around each column, against grade beams, interior walls, and between columns and walls. Provide slab joints to form areas not to exceed 15' in length in each direction. See typical details. Submit detailed drawings showing locations of all construction joints.

C7) Provide vertical construction joints in exposed concrete walls at a maximum uniform spacing not to exceed 30'-0". Coordinate joint locations with architectural drawings.

C8) Provide adequate bolsters, hi-chairs, support bars, etc., to maintain specified clearances for the entire length of all reinforcing bars. Provide accessories which are plastic tipped or galvanized with turned up ends for reinforcement at all faces of exposed concrete, interior or exterior.

C9) Unless otherwise noted, no concrete shall be placed without a minimum reinforcing of 0.002 times the concrete cross sectional area in each direction.

C10) Continuous reinforcing shall be lapped as follows unless otherwise noted:

Additional laps required for construction shall be Class B.

C11) All field bending of reinforcing shall be done cold. Heating of bars will not be permitted.

C12) No aluminum of any type shall be allowed in the concrete work unless coated to prevent aluminum-concrete reaction.

C13) Maximum O.D. of embedded conduit shall be no larger than 1/3 of the slab thickness. No conduit shall be placed above the reinforcement in slabs-on-grade or concrete fill placed onto composite metal deck.

C14) Mechanically vibrate concrete except that slabs-on-grade need only be vibrated around under floor ducts and other embedded items.

C15) All construction joints between adjacent concrete pours shall be keyed. Joints must be kept free of dirt, debris, form oils, etc. to assure proper bond with adjacent pour or masonry construction.

C16) Do not place pipes, ducts, reglets or chases in structural concrete or composite floor systems without approval of the structural engineer through the architect.

C17) Floor tolerances:
Surface tolerance: Class B. (See ACI 301)
Thickness: Plus 1", minus 1/2" slab on grade. Plus 3/8", minus 1/4" structural slabs. Replace any slab with a thickness deviation as directed by the architect.

C18) Maximum free drop of any concrete = 6'-0".

C19) All bar detailing and accessories to be furnished shall conform to typical details and standards in the latest ACI Standard 315 Detailing Manual, except as otherwise shown, noted, or specified.

MASONRY

M1) Masonry construction procedures shall comply with the requirements of IBC 2024-section 2104 and TMS 602. Hot and cold weather construction shall comply with TMS 602.

M2) Locate expansion joints in exterior masonry veneer walls as shown on the architectural drawings. If not shown on architectural drawings, locate at 20'-0" maximum spacing at inside corners, within 4'-0" of exterior corners, on one side of openings 8'-0" or less in width, or on both sides of openings over 8'-0" in width, and a minimum of 2'-0" from jamb.

M3) Provide 3/16" wire tie diameter adjustable veneer wall tie with hook and eye or vertical adjustable bracket at metal stud backup. Wall ties shall be spaced so as to support not more than 2 square feet of wall area but not more than 24" on center horizontally. All wall tie accessories shall be galvanized.

LINTELS

L1) Provide lintels over all openings and recesses in masonry construction.

L2) All lintels shall have a minimum of 8" end bearing.

L3) For all openings not otherwise detailed or scheduled, provide steel lintel as scheduled.

Veneer: Span	Lintel
0 to 4'-0"	L3.1/2x3.1/2x1/4
4'-0" to 6'-0"	L4x3.1/2x1/4 (LLV)
6'-0" to 8'-0"	L5x3.1/2x1/4 (LLV)

STRUCTURAL STEEL

S1) Structural steel details, fabrication, and erection shall conform to AISC 360-16 "Specification for Structural Steel Buildings" and AISC 303-16 "Code of Standard Practice for Steel Buildings and Bridges" unless otherwise shown or specified.

S2) High strength bolts shall be installed in accordance with RCSC "Specifications for Structural Joints Using High-Strength Bolts" latest edition. Bolts are designed as bearing-type connections, unless noted otherwise.

S3) All welding shall be done by AWS certified welders with experience and certification in the types of welding indicated. Certificates shall not have lapsed due to disuse for 6 months.

S4) All welds to be E70XX electrodes unless noted otherwise.

S5) Field connections shall be welded or bolted. Shop connections shall be welded unless otherwise indicated or approved. Welds indicated with a shop weld symbol may be made in the field with the approval of the structural engineer.

S6) Unless noted otherwise, all welds shall be continuous 3/16" throat. All full and/or partial penetration welds shall be fully detailed on the shop drawing.

S7) Fabricator shall select AISC simple shear connections for steel beams capable of carrying the reaction force when indicated or 75% of the total uniform load for the given size, span, and grade of beam, as tabulated in the AISC tables for allowable loads.

S8) Simple shear connections shall be standard double angle or single shear plates, unless noted otherwise. Select connections from the AISC, Simple Shear Connections Design Aid, latest edition whenever possible. All bolted connections shall have minimum 2 bolts, unless noted otherwise.

S9) Shop paint structural steel with a standard primer.

S10) Grout under column base plates.

S11) Cuts, holes, openings, etc., required in structural steel members for the work of other trades shall be shown on the shop drawings. Burning of holes and cuts in the field shall not be allowed, except by written authorization from the structural engineer.

S12) Furnish and install miscellaneous steel (curbs, hangers, expansion joint angles, struts, etc.) as called for or as necessary per architectural and mechanical/electrical drawings.

S13) Fabricate and install beams with natural camber upwards.

S14) See specifications for minimum testing requirements for materials, connections, welding, and erection.

STEEL DECK

SD1) Material, detailing, design, manufacture, and erection of metal decks shall be in accordance with the Steel Deck Institute (SDI) Specification.

SD2) Metal deck shall be capable of providing a diaphragm shear capacity as noted below in accordance with the current ICBO Research Recommendations for simple span conditions:

Roof Deck:	plf
Corrugated Form Deck:	plf

Minimum factor of safety shall be 2.0.

SD3) In no case shall deck connection to steel members be less than #10 screws at 12" O.C. (4 per 36" sheet) at all supports and edges. Provide 16 gage welding washers when recommended by the manufacturer for the gage of metal deck specified below. Side laps shall be fastened with #10 tek screws, minimum one at each midspan. Opening edges shall receive the same attachment as required at deck ends.

SD4) The deck manufacturer shall furnish all closure plates, pour stops, ridge and valley plates, sump pans and drain plates, welding washers, and other accessories required to provide a finished surface for insulation and roofing or concrete slabs.

SD5) Install deck with a minimum 2" end lap centered over supports.

SD6) Install corrugated form deck with corrugation edges up.

SD7) All corrugated form deck shall be galvanized. All metal roof deck shall be painted. All galvanizing shall be ASTM A653 G 60.

SD8) Corrugated form deck deck gages shown on the drawings and noted below are intended to support the weight of the wet concrete plus a construction live load of 20 psf without intermediate shoring based on a three span continuous condition. Deck manufacturer shall evaluate single span conditions for deflection which shall not exceed 1/180th of the clear span or 1/2" under the uniformly distributed concrete dead load and note areas which will require shoring to control deflection and/or meet allowable stresses.

SD9) No load exceeding 50 lbs. shall be permitted to be hung from any floor decking. No loads shall be permitted to be hung from metal roof decking or form deck (corrugated or ribbed). All hangers for ductwork, piping, etc. shall be hung directly from the structural steel or supplementary members acceptable to the architect. All hanging loads, locations, and details shall be submitted to the structural engineer through the architect.

SD10) Roof deck shall have the following minimum properties:

Gage	As Indicated
Depth	0.6 inches (maximum)
Type	C
Continuous three spans minimum	

SD11) Corrugated form deck shall have the following minimum properties:

Gage	8 ga.
Depth	0.6 inches (maximum)
Type	C
Continuous three spans	

SD12) Submit shop drawings showing erection procedures, attachment procedures, vertical load and diaphragm shear capacity furnished, deck shoring requirements to the architect for review. Fabrication shall not begin without approved shop drawings.

SD13) Provide angle framing 3 1/2 x 3 1/2 x 1/4 on each side of all roof sump pans. See architectural drawings for number and locations.

LIGHT GAGE FRAMING

LG1) Material, design and manufacture shall be in accordance with the "Cold Formed Steel Design Manual" of the American Iron and Steel Institute current edition.

LG2) See drawings for spacing and size of steel studs.

LG3) Provide tracks, blocking, lintels, clip angles, bridging, shoes, reinforcements, fasteners and accessories to provide a complete metal frame system in accordance with manufacturers recommendations.

LG4) All welded connections are to be performed in accordance with American Welding Society (AWS) D1.3 latest edition Specification for Welding Sheet Steel in Structures. Consult AWS D19.0 latest edition Welding Zinc Coated Steel Sheet and ANSI standard Z49.1 for information regarding safe welding procedures.

LG5) Attach similar materials by screw or 2" minimum weld length (i.e. track to stud, stud to structural steel). Attach dissimilar materials by bolting or screw fasteners.

LG6) Frame wall openings larger than 2'-0" square with double stud at each jamb of frame except where more than 2 are shown or indicated. Install runner tracks and jack studs above and below wall openings. Anchor tracks to jamb studs by screwing or welding, and space jack studs same as full height studs of wall. Secure stud system wall opening frame in manner indicated.

LG7) Install horizontal stiffeners in stud system, spaced (vertical distance) at not more than 4'-0" O.C. Weld at each intersection.

LG8) Diaphragm rated material may be substituted for bridging prior to loading of the wall. If such material is applied to only one side of the wall, the unsheathed side must be bridged. Bridging must be attached to each and every stud and attached to structure where possible.

LG9) Fasten gypsum board with #6 x 1" bugle head screws at 12" O.C. at all supports and edges. Provide blocking at free shear edges.

LG10) Bearing studs must be fabricated with full stud end seated against track web. Do not use stud that has been cut at punchout.

LG11) All field cutting of studs to be done by sawing.

LG12) Framing fabricator to ensure punchout alignment when assembling framing and field cutting to length.

LG13) All framing components shall be cut squarely for attachment to perpendicular members.

LG14) Web crippling based on minimum 10" unpunched steel at both ends.

LG15) Track closure is to be the same size and gage as the stud.

LG16) In the event a track butt joint occurs within a panel, abutting pieces of track shall be butt welded or spliced together. No such splices shall occur at any head or sill condition.

LG17) Design, fabricate, transport and erect truss-joists in accordance with latest manufacturer's standards and recommendations.

a) Design for loads, in addition to member weights, as given in the design criteria and noted on the drawings.

b) All permanent and temporary bracing and fastening at bearings shall be designed by truss manufacturer.

c) Submit design calculations and shop drawings for review by the structural engineer through the architect. Fabrication shall not begin without approved shop drawings. Provide wood grades and fastener manufacturer's load and test data.

KPFF ABBREVIATIONS

ADDED	ADDITIONAL	KO	KNOCK OUT
ALT	ALTERNATE	LAM	LAMINATED
ALUM	ALUMINUM	LT GA	LIGHT GAGE
ANCH	ANCHOR	LOC	LOCATION
APPROX	APPROXIMATE	LDH	LONG DIM HORIZ
ARCH	ARCHITECTURAL	LDV	LONG DIM VERT
@	AT	LLBB	LONG LEG BACK-TO-BACK
BM	BEAM	LLH	LONG LEG HORIZ
BRG	BEARING	LLV	LONG LEG VERT
BTWN	BETWEEN	LONGIT	LONGITUDINAL
BLKG	BLOCKING	MFR	MANUFACTURER
BD	BOARD	MAS	MASONRY
BOT	BOTTOM	MAT	MATERIAL
BLDG	BUILDING	MAX	MAXIMUM
CIP	CAST-IN-PLACE	MECH	MECHANICAL
CNTR	CENTER	MTL	METAL
CL	CENTERLINE	MIN	MINIMUM
CLR	CLEAR	MISC	MISCELLANEOUS
CFMF	COLD-FORMED METAL FRAMING	NS	NEAR SIDE
COL	COLUMN	NOM	NOMINAL
COMP	COMPOSITE	NIC	NOT IN CONTRACT
CONC	CONCRETE	NTS	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT	# or NO	NUMBER
CONN	CONNECTION	OC	ON CENTER
CONST	CONSTRUCTION	OPNG	OPENING
CONT	CONTINUOUS	OPP	OPPOSITE
CONTR	CONTRACTOR	OD	OUTSIDE DIA.
CW	CURTAIN WALL	OF	OUTSIDE FACE
DEFL	DEFLECTION	PARL	PARALLEL
°	DEGREE	d	PENNY
DTL	DETAIL	PERP	PERPENDICULAR
DIAG	DIAGONAL	PL	PLATE
ø	DIAMETER	PLYWD	PLYWOOD
DIM	DIMENSION	# OR LB	POUND
DBL	DOUBLE	PSI	POUNDS PER SQ. INCH
DWG	DRAWING	PSF	POUNDS PER SQ.FT.
EA	EACH	PDF	POWER DRIVEN FASTENER
EF	EACH FACE	PREFAB	PREFABRICATED
ELECT	ELECTRICAL	PRELIM	PRELIMINARY
EL	ELEVATION	RAD or R	RADIUS
ELEV	ELEVATOR	RXN	REACTION
EMBED	EMBEDMENT	REINF	REINFORCING
EOD	EDGE OF DECK	REQD	REQUIRED
EOR	ENGINEER OF RECORD	RTN	RETURN
EOS	EDGE OF SLAB	REV	REVISION
EQ	EQUAL	SCHED	SCHEDULE
ERECT	ERECTION	SECT	SECTION
EW	EACH WAY	SHTHG	SHEATHING
EXISTG	EXISTING	SHT	SHEET
EXP	EXPANSION	SLBB	SHORT LEG BACK-TO-BACK
EXT	EXTERIOR	SSLT	SHORT SLOTTED HOLE
FS	FAR SIDE	SIM	SIMILAR
FV	FIELD VERIFY	SPA	SPACE
FIN	FINISH	SPECS	SPECIFICATIONS
FLR	FLOOR	SQ	SQUARE
FT	FOOT	STD	STANDARD
FTG	FOOTING	STL	STEEL
FDN or FOUND	FOUNDATION	STIFF	STIFFENER
FRMG	FRAMING	STRUCT	STRUCTURAL
GA	GAGE OR GAUGE	TEMP	TEMPERATURE
GALV	GALVANIZED	THRU	THROUGH
GYP	GYPSUM	T & G	TONGUE & GROOVE
GYP BD	GYPSUM BOARD	TRANS	TRANSVERSE
HD	HEADED	TYP	TYPICAL
HT	HEIGHT	UNO	UNLESS NOTED OTHERWISE
HPC	HIGH-PERFORMANCE COATING	VIF	VERIFY IN FIELD
HORIZ	HORIZONTAL	VERT	VERTICAL
IN	INCH	WWR	WELDED WIRE REINF
ID	INSIDE DIAMETER	W/	WITH
IF	INSIDE FACE	WD	WOOD
INSUL	INSULATION	WP	WORKING POINT
INT	INTERIOR	X-BRACING	CROSS BRACING
JT	JOINT	X-STRONG	EXTRA STRONG
JST	JOIST	XX-STRONG	DOUBLE EXTRA STRONG

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

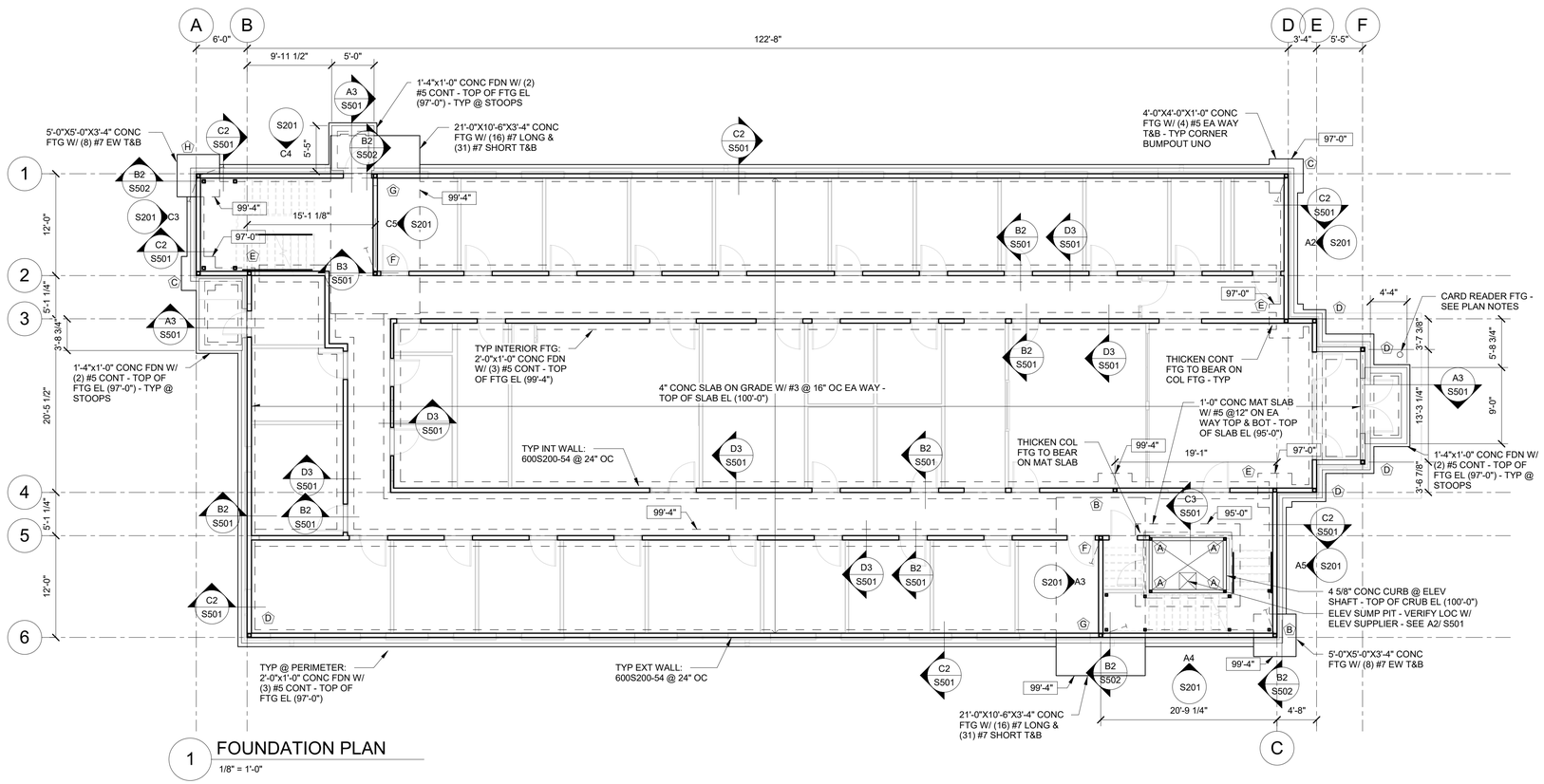
STRUCTURAL NOTES

S001

4/21/2026 12:18:13 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/Iowa DAS DOC 4JD CBC New Central Office Building_STRUCT_R25.rvt

NOTES:

- FINISHED FLOOR ELEVATION = 100'-0" (USGS 984.75') UNO.
- FLOOR CONSTRUCTION TO BE A 4" CONC SLAB ON GRADE REINFORCED W/ #3 @ 16" OC EA WAY ON VAPOR RETARDER, OVER 4" COMPACTED GRANULAR FILL (UNO).
- TOP OF FOOTING EL = 97'-0" (UNO) EXTERIOR
- TOP OF FOOTING EL = 99'-4" (UNO) INTERIOR.
- TOP OF FOUNDATION WALL EL = 99'-4" (UNO).
- COLUMN FOOTINGS ARE CENTERED EACH WAY ON CENTERLINES (UNO).
- (+/-'-"|---► INDICATES TOP OF FOOTING ELEVATION
- FOR TYPICAL CONCRETE SLAB JOINTS SEE B5/ S501
- FOR TYPICAL SUBGRADE PREP SEE A5/ S501
- FOR TYPICAL STEPPED FOOTING SEE C5/ S501
- FOR TYPICAL CONCRETE WALL CORNERS AND INTERSECTION SEE A4/ S501
- FOR TYPICAL CONCRETE OPENINGS SEE D5/ S501
- FOR TYPICAL CONCRETE CAP SEE B4/ S501
- FOR TYPICAL CONCRETE CAP @ CORNERS SEE C4/ S501
- (A) INDICATES COLUMN BASE PLATE LAYOUT - SEE D1/ S501
- PROVIDE OVER-EXCAVATION AND GRANULAR FILL BELOW BUILDING FOOTINGS - EXTEND OVER-EXCAVATION AND FILL HORIZONTAL 8" FOR EVERY 12" OF DEPTH - SEE TYPICAL DETAIL C1/S501 - FINAL BEARING ELEVATION TO BE CONFIRMED BY THE GEOTECHNICAL TESTING AGENCY DURING CONSTRUCTION WITH TOTAL AMOUNT OF WORK ADJUSTED BY UNIT COSTS.
  1. BASE BID: OVER-EXCAVATION AND FILL FROM BOTTOM OF FOOTING TO ELEVATION (96-0") - FOOTINGS THAT ARE INDICATED TO BEAR AT ELEVATION (96'-0") ARE NOT INTENDED TO HAVE OVER-EXCAVATION AND FILL BELOW THE FOOTINGS.
- CARD READER FTG: 8" CONC PIER - TOP OF PIER EL FLUSH W/ GRADE - BOTTOM OF PIER EL 4'-0" MIN BELOW GRADE - EMBED POST MIN 2'-0" INTO PIER - SEE ARCH DWG FOR LOCATION - COORDINATE ELECTRICAL/CONTROL ACCESS W/ SUPPLIER



1 FOUNDATION PLAN
1/8" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

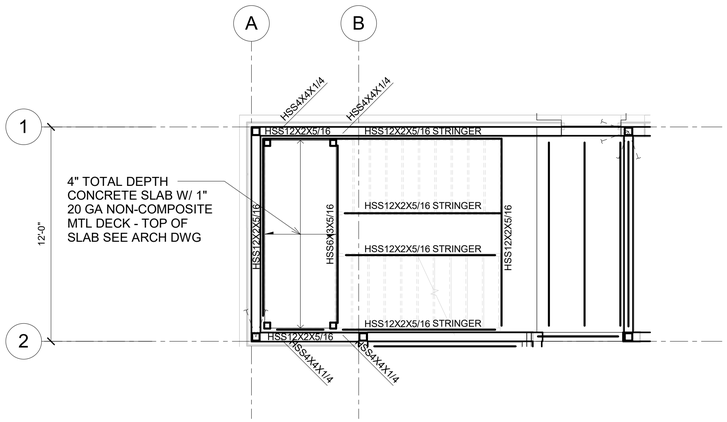
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

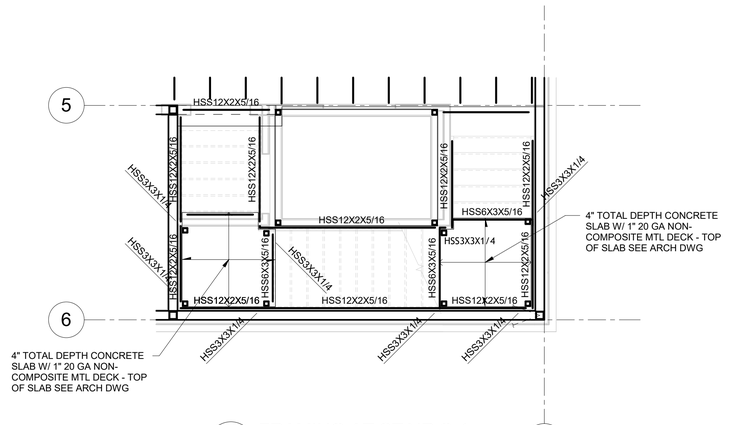
FOUNDATION PLAN

S101

4/21/2026 12:18:15 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/Iowa DAS DOC 4JD CBC New Central Office Building_STRUCT_R25.rvt



2 FRAMING AT STAIR S-2
1/4" = 1'-0"



3 FRAMING AT STAIR S-1
1/4" = 1'-0"

C

NOTES:
- 4" TOTAL DEPTH CONCRETE SLAB ON 0.6" - 22 GA TYPE C METAL DECK W/ #3@16" OC EA WAY - TOP OF SLAB EL (112'-3")
- #_ DIAPHRAGM BAR: ADDITIONAL REBAR IN SLAB THAT ALIGNS W/ STRUCTURAL STEEL BRACE FRAME CENTERLINE - PROVIDE ASTM A706 GR 60 DOWEL 6'-0" LONG MIN AT STEEL COLUMN WITH FULL PENETRATION WELD TO COLUMN FACE - PROVIDE CLASS B LAP AT ANY REBAR SPLICE

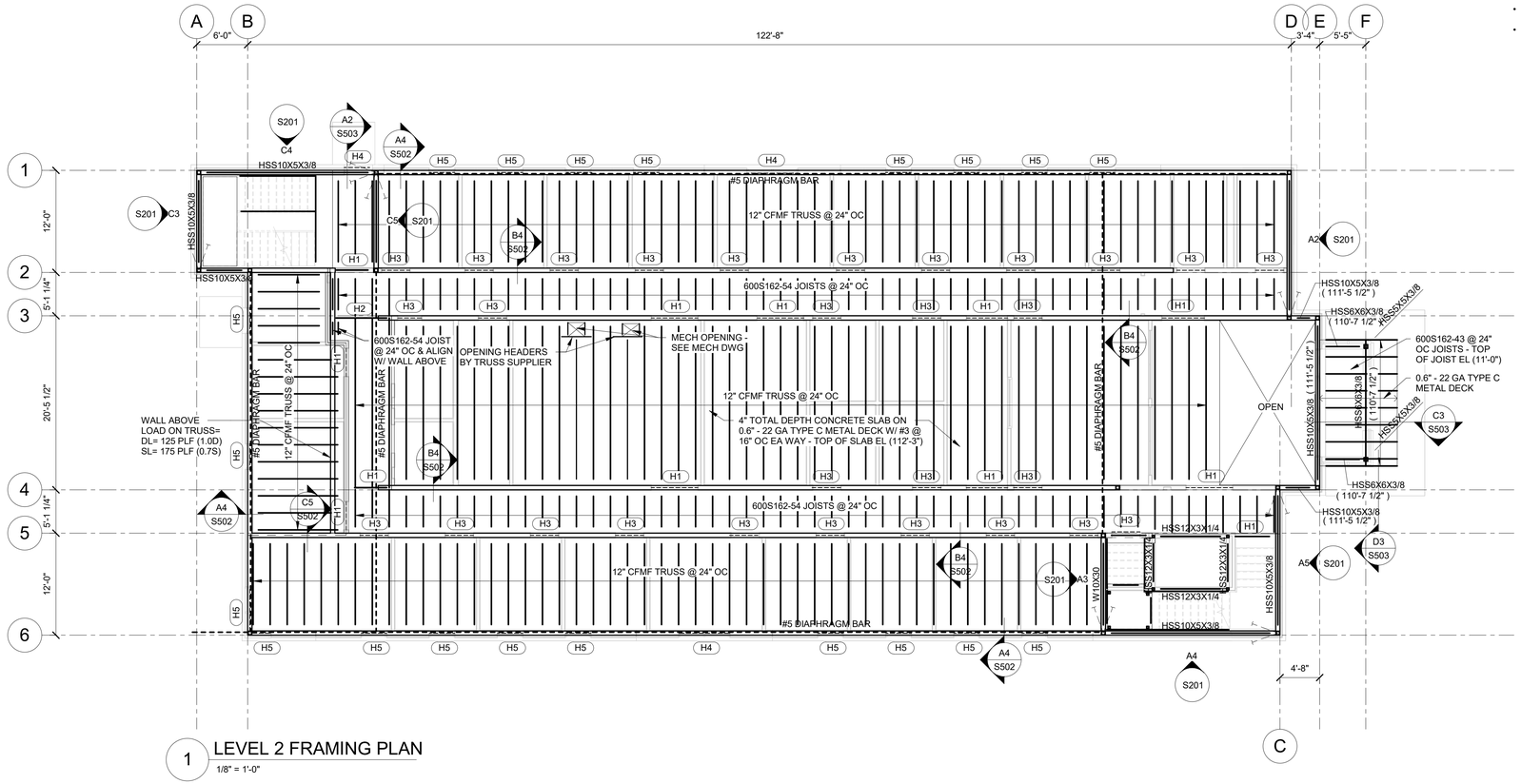
FLOOR TRUSS NOTES

1. FABRICATE WITH LIGHT GAGE STEEL SECTIONS-18 GA MIN OR PREFORMED "U" SECTIONS WITH TUBE WEBS. JOINTS TO BE LAPPED OR IN PLANE. WEB CONFIG MAY VARY AS REQUIRED BY TRUSS MFR, TRUSSES TO BE DESIGNED AND SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF IOWA.
2. TRUSSES SHALL MEET THE FOLLOWING DESIGN CRITERIA BASED ON TRUSSES AT 24" OC:
   LOADING
   TOP CHORD
   LIVE LOAD 100 PSF
   DEAD LOAD 55 PSF
   BOT CHORD
   DEAD LOAD 10 PSF
   TOTAL LOAD 165 PSF
3. LOAD DURATION STRESS INCREASE 0%
   TOTAL LOAD DEFLECTION MAX L/240
   LIVE LOAD DEFLECTION NOT TO EXCEED L/360
4. TRUSS CONNECTIONS TO BE MADE WITH A MINIMUM OF TWO DOUBLE SHEAR SCREWS OR FOUR SINGLE SHEAR SCREWS.
5. PROVIDE TEMPORARY AND/OR PERMANENT BRACING AS REQUIRED BY THE TRUSS MANUFACTURER IN ADDITION TO THE BRACES SHOWN ON THE TRUSS PROFILES.
6. MTL CONN ANGLE ANCHOR-ONE EA SIDE AT EA BRG POINT OF EA TRUSS.
7. DO NOT LOCATE ABOVE PLUMMING CHASES.
8. DO NOT CUT HOLES OR NOTCHES IN TRUSS CHORDS OR WEBS.

HEADER SCHEDULE

MARK	HEADER SIZE	JACK STUDS
H1	(2)800S250-68 BOX HEADER	(2)600S250-54
H2	(2)1000S250-97 BOX HEADER	(2)600S250-68
H3	(2)600S250-54 BOX HEADER	(2)600S250-54
H4	(2)400S250-54 BOX HEADER	(1)600S250-54
H5	(2)400S162-43 BOX HEADER	(1)600S250-54

- PROVIDE (2)600S250-54 KING STUDS @ EXTERIOR OPENINGS GREATER THAN 6'-0"
- PROVIDE SILL TO MATCH HEADER @ EXTERIOR WINDOW OPENINGS
- FOR TYPICAL SECTION ELEVATION SEE C2/ S503 & D2/ S503



1 LEVEL 2 FRAMING PLAN
1/8" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

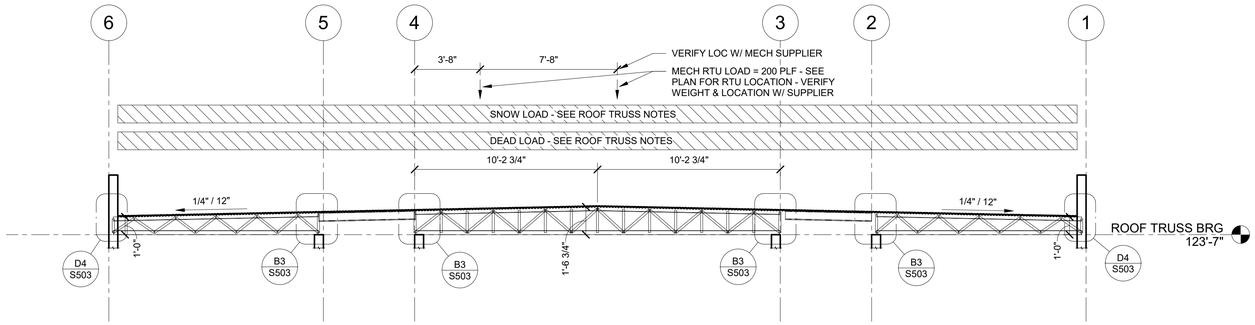
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

LEVEL 2 FRAMING PLAN

S102

4/21/2026 12:18:19 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/Iowa DAS DOC 4JD CBC New Central Office Building_STRUCT_R25.rvt



D1 ROOF TRUSS SECTION & LOADING

1/4" = 1'-0"

LT GA MTL TRUSS NOTES

1. FABRICATE WITH LIGHT GAGE STEEL SECTIONS-18 GA MIN OR PREFORMED "U" SECTIONS WITH TUBE WEBS. JOINTS TO BE LAPPED OR IN PLANE. WEB CONFIG MAY VARY AS REQUIRED BY TRUSS MFR, TRUSSES TO BE DESIGNED AND SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF IOWA.
2. TRUSSES ARE TO MEET THE FOLLOWING DESIGN CRITERIA UNLESS NOTED ON THE ROOF TRUSS DIAGRAMS:

   LOADING
   TOP CHORD
   LIVE/SNOW LOAD 40.7 PSF
   DEAD LOAD 15 PSF
   BOTTOM CHORD
   DEAD LOAD 10 PSF
   TOTAL LOAD 65.7 PSF

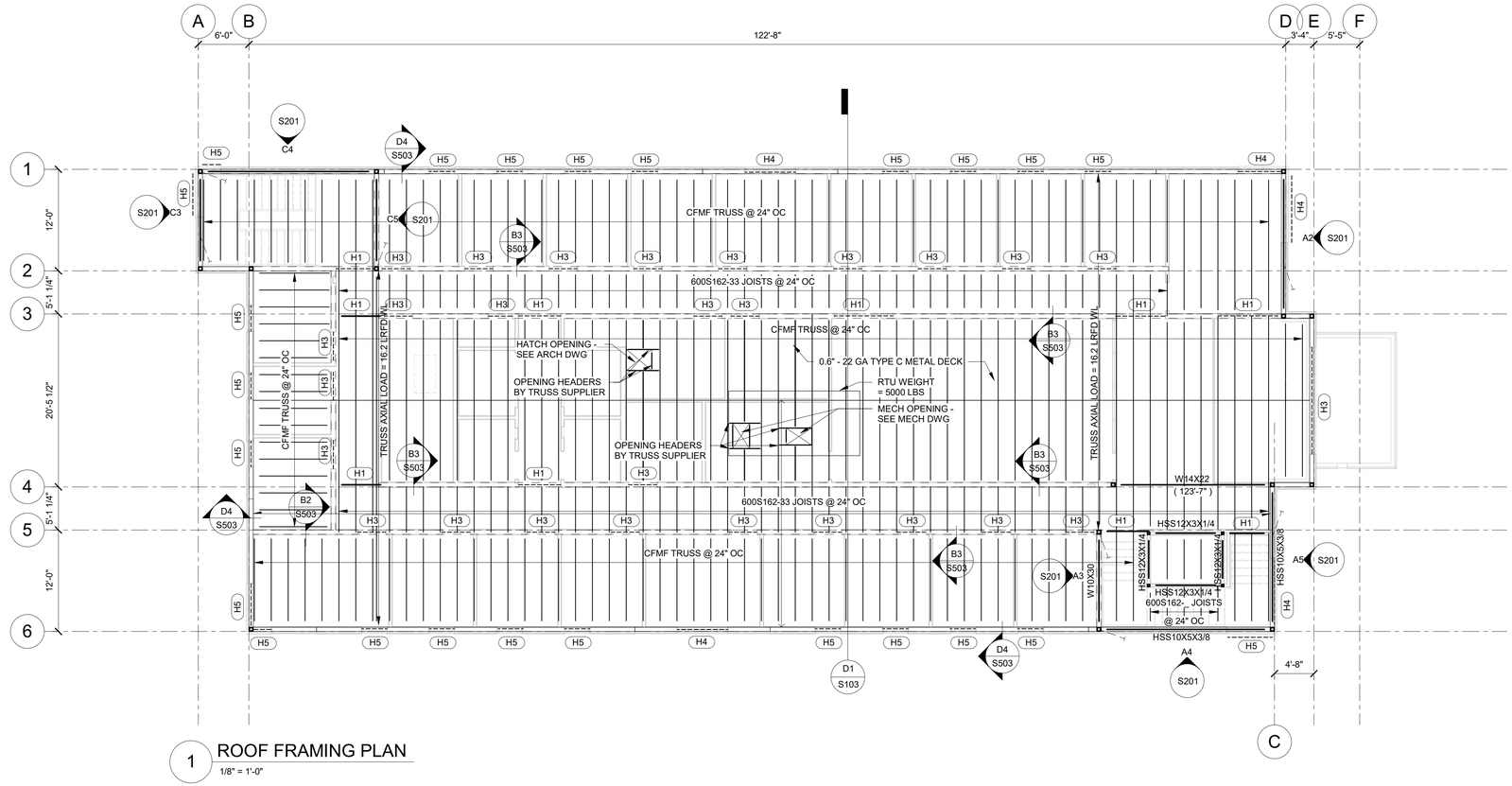
   SEE TRUSS DIAGRAM FOR ADDITIONAL LOADING

   ROOF: LIVE/SNOW LOAD DEFLECTION MAX L/360
   TOTAL LOAD DEFLECTION MAX L/240
3. TRUSS CONNECTIONS TO BE MADE WITH A MINIMUM OF TWO DOUBLE SHEAR SCREWS OR FOUR SINGLE SHEAR SCREWS.
4. PROVIDE TEMPORARY AND/OR PERMANENT BRACING AS REQUIRED BY THE TRUSS MANUFACTURER IN ADDITION TO THE BRACES SHOWN ON THE TRUSS PROFILES.
5. MTL CONN ANGLE ANCHOR-ONE EA SIDE AT EA BRG POINT OF EA TRUSS.
6. DO NOT LOCATE ABOVE PLUMMING CHASES.
7. DO NOT CUT HOLES OR NOTCHES IN TRUSS CHORDS OR WEBS.

HEADER SCHEDULE

MARK	HEADER SIZE	JACK STUDS
H1	(2)800S250-68 BOX HEADER	(2)600S250-54
H2	(2)1000S250-97 BOX HEADER	(2)600S250-68
H3	(2)600S250-54 BOX HEADER	(2)600S250-54
H4	(2)400S250-54 BOX HEADER	(1)600S250-54
H5	(2)400S162-43 BOX HEADER	(1)600S250-54

- PROVIDE (2)600S250-54 KING STUDS @ EXTERIOR OPENINGS GREATER THAN 6'-0"
- PROVIDE SILL TO MATCH HEADER @ EXTERIOR WINDOW OPENINGS
- FOR TYPICAL SECTION ELEVATION SEE C2/ S503 & D2/ S503



1 ROOF FRAMING PLAN

1/8" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

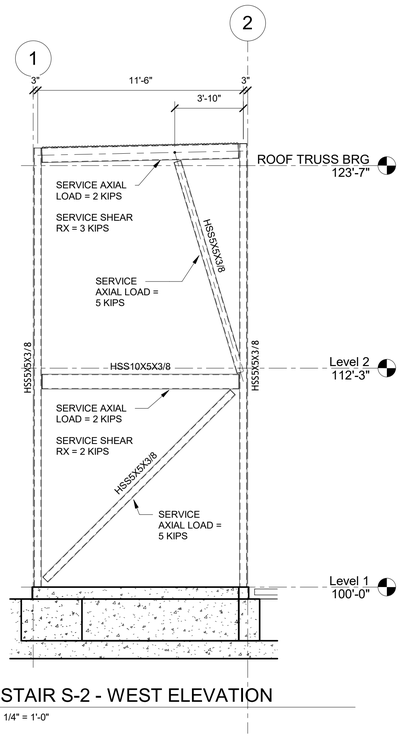
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

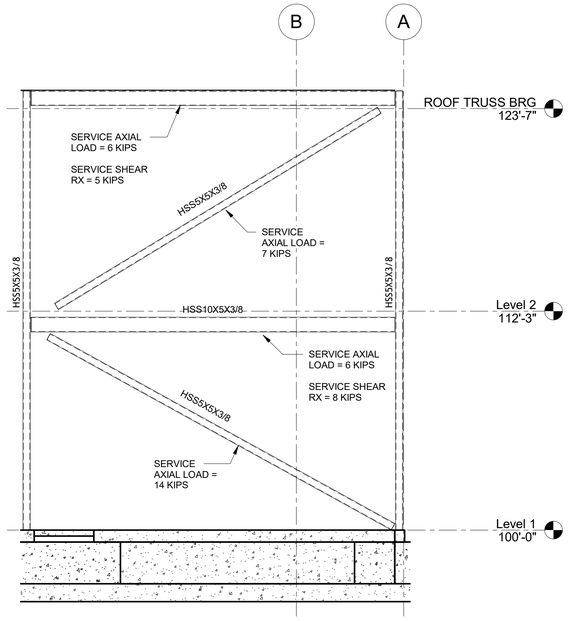
ROOF FRAMING PLAN

S103

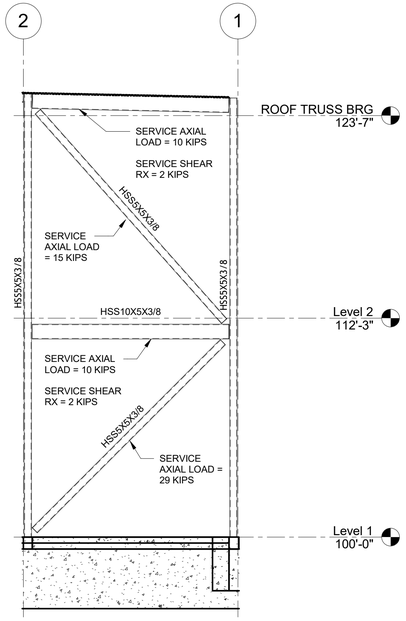
4/21/2026 12:18:22 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/Iowa DAS DOC 4JD CBC New Central Office Building_STRUCT_R25.rvt



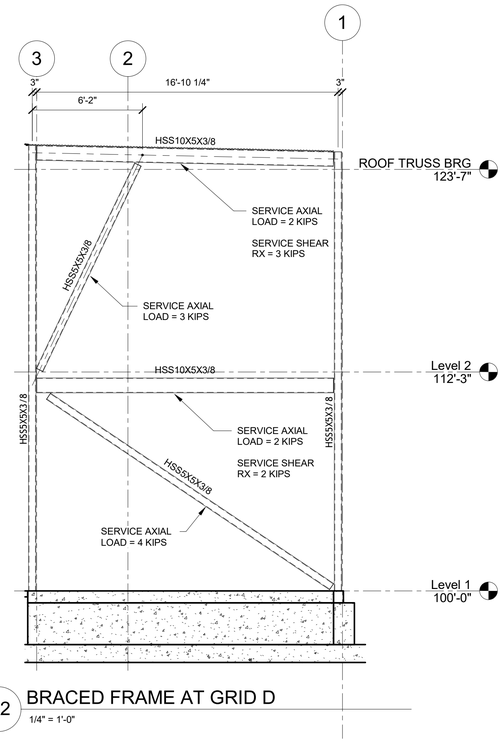
C3 STAIR S-2 - WEST ELEVATION
1/4" = 1'-0"



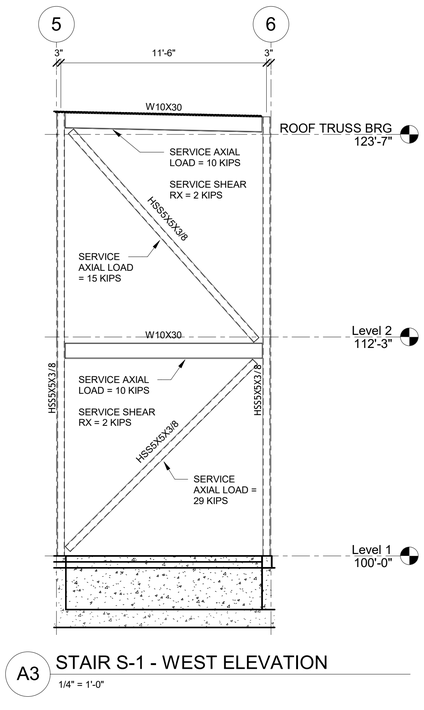
C4 STAIR S-2 - NORTH ELEVATION
1/4" = 1'-0"



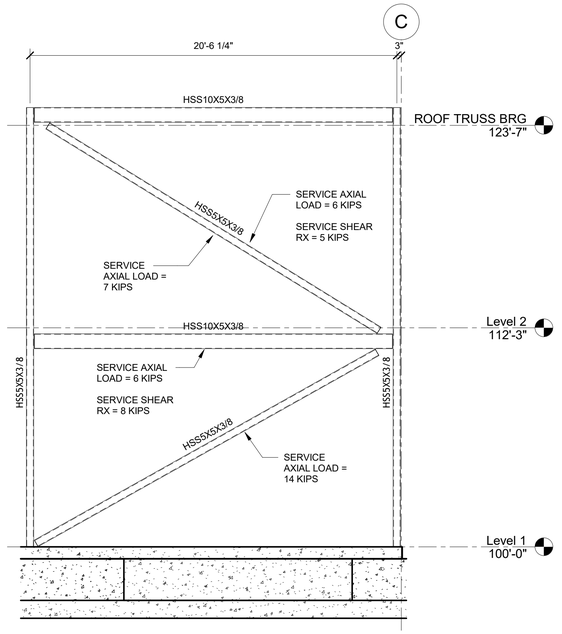
C5 STAIR S-2 - EAST ELEVATION
1/4" = 1'-0"



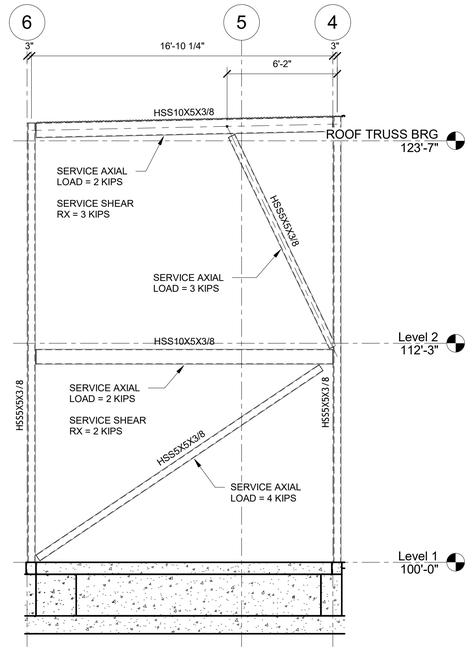
A2 BRACED FRAME AT GRID D
1/4" = 1'-0"



A3 STAIR S-1 - WEST ELEVATION
1/4" = 1'-0"



A4 STAIR S-1 - NORTH ELEVATION
1/4" = 1'-0"



A5 STAIR S-1 - EAST ELEVATION
1/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

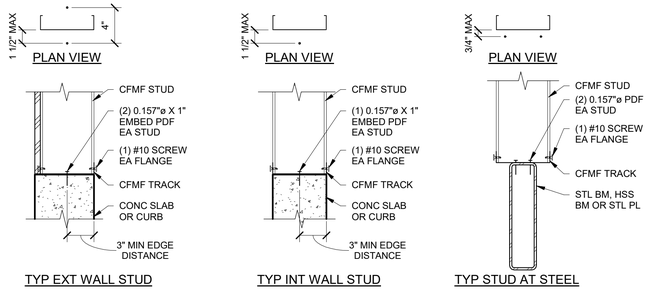
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

BRACED FRAME ELEVATIONS

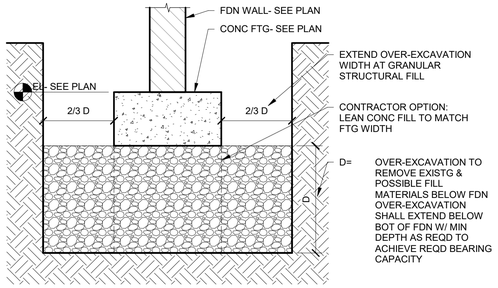
S201

4/21/2026 12:18:25 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/Iowa DAS DOC 4JD CBC New Central Office Building_STRUCT_R25.rvt



D1 TYP CFMF STUD BASE DETAILS

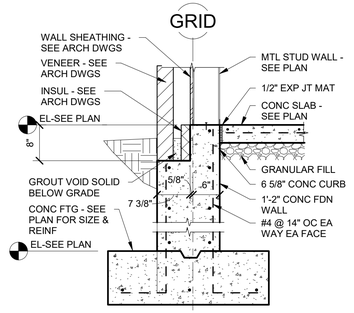
1 1/2" = 1'-0"



- EXCAVATION ARE SHOWN VERTICAL: HOWEVER, THE SIDEWALLS SHOULD BE SLOPED AS NECCESSARY FOR SAFETY
- ABOVE DETAIL IS ONLY APPLIED IF SOILS NOT MEETING MINIMUM FOOTING BEARING PRESSURE REQUIREMENTS ARE DISCOVERED DURING EXCAVATION.

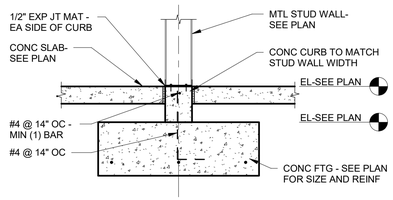
C1 TYP FTG OVER-EXCAVATION

3/4" = 1'-0"



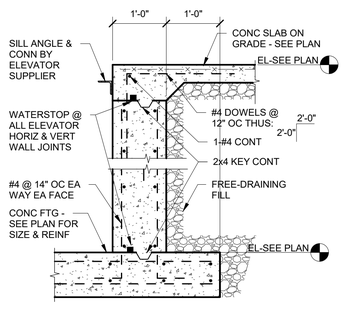
C2 EXTERIOR FDN WALL

3/4" = 1'-0"



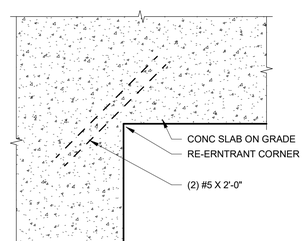
D3 FDN WALL AT FOOTING

3/4" = 1'-0"



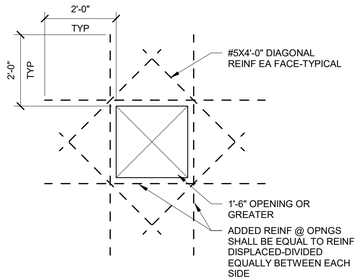
D3 FDN AT ELEVATOR PIT

3/4" = 1'-0"



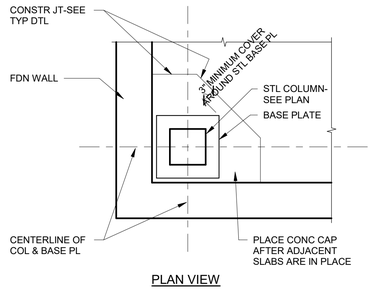
D4 TYP RE-ENTRANT CORNER

1" = 1'-0"



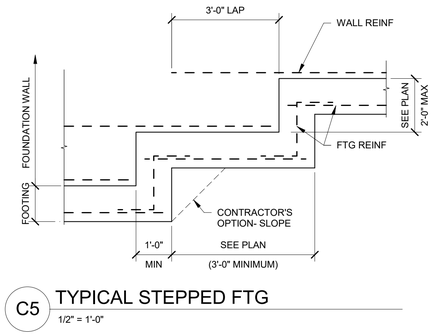
D5 TYP CONC WALL OPENING

1/2" = 1'-0"



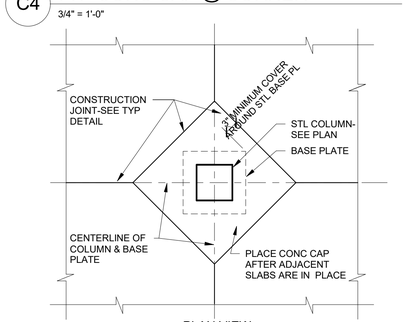
C4 TYP CONC CAP @ CORNER

3/4" = 1'-0"



C5 TYPICAL STEPPED FTG

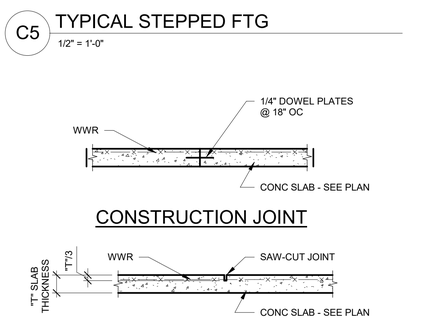
1/2" = 1'-0"



- PROVIDE JOINT AT ALL RE-ENTRANT CORNERS. MAXIMUM JOINT SPACING PER DETAIL B5/ S501

B4 TYP CONCRETE CAP

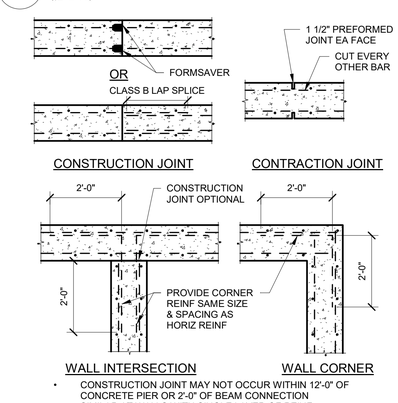
3/4" = 1'-0"



- CONCRETE SLAB JOINTS SHALL BE EITHER CONSTRUCTION OR SAW-CUT JOINTS
- LOCATE CONSTRUCTION JOINTS ON COLUMN CENTERLINE
- LOCATE SAW-CUT JOINTS BETWEEN CONSTRUCTION JOINTS
- LOCATE SLAB JOINTS AT PARTITIONS WHERE POSSIBLE
- MAXIMUM SPACING OF SLAB JOINTS SHALL NOT EXCEED 15'-0" IN ANY DIRECTION

B5 TYP CONC SLAB JOINTS

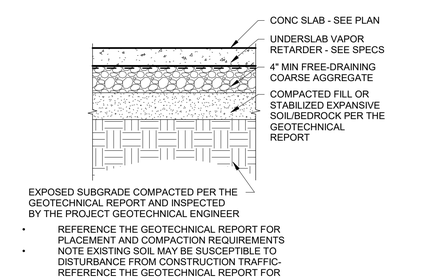
3/4" = 1'-0"



- CONSTRUCTION JOINT MAY NOT OCCUR WITHIN 12'-0" OF CONCRETE PIER OR 2'-0" OF BEAM CONNECTION
- SIMILAR AT WALLS WITH SINGLE LAYER OF REINF

A4 TYP CONC WALL PLANS

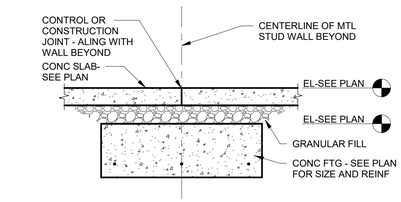
1/2" = 1'-0"



- REFERENCE THE GEOTECHNICAL REPORT FOR PLACEMENT AND COMPACTION REQUIREMENTS
- NOTE EXISTING SOIL MAY BE SUSCEPTIBLE TO DISTURBANCE FROM CONSTRUCTION TRAFFIC- REFERENCE THE GEOTECHNICAL REPORT FOR STABILIZATION OPTIONS

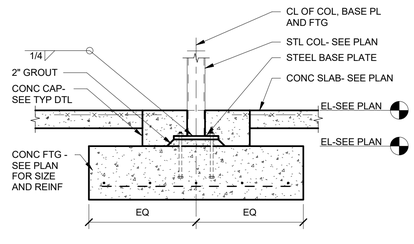
A5 TYP SUBGRADE PREP

3/4" = 1'-0"



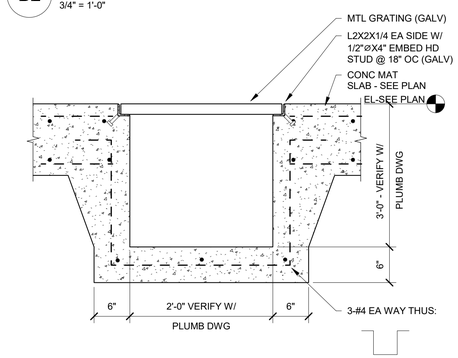
B2 INT FOOTING AT OPENINGS

3/4" = 1'-0"



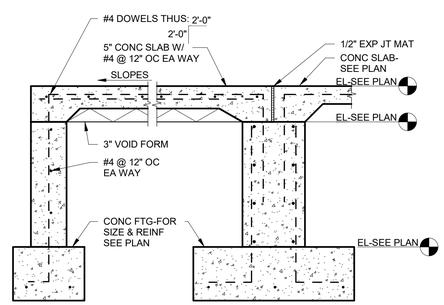
B3 TYPICAL COLUMN FOOTING

3/4" = 1'-0"



A2 ELEVATOR SUMP PIT

1" = 1'-0"



A3 TYP ENTRANCE SLAB

3/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

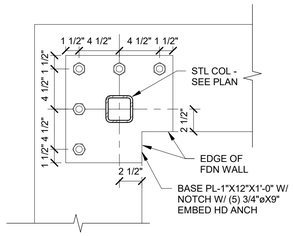
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

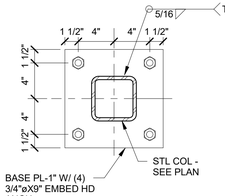
STRUCTURAL DETAILS

S501

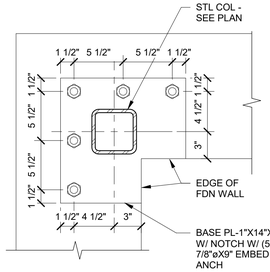
4/21/2026 12:18:27 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/Iowa DAS DOC 4JD CBC New Central Office Building_STRUCT_R25.rvt



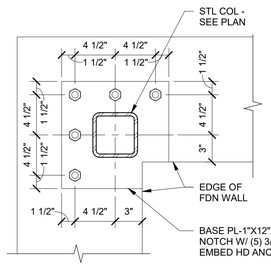
BASE PLATE LAYOUT A



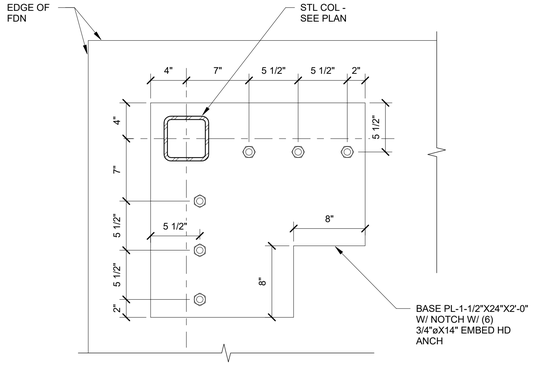
BASE PLATE LAYOUT B



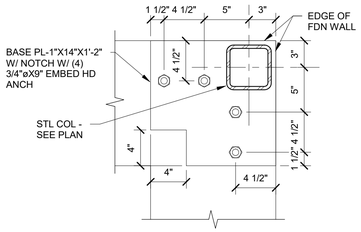
BASE PLATE LAYOUT C



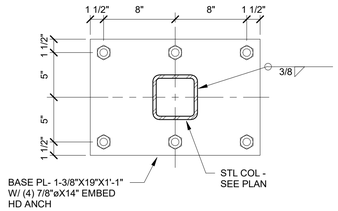
BASE PLATE LAYOUT D



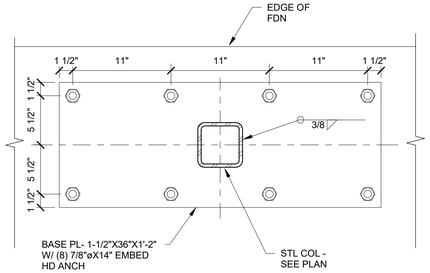
BASE PLATE LAYOUT H



BASE PLATE LAYOUT E



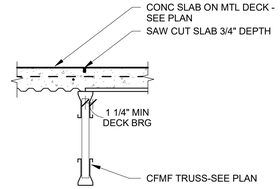
BASE PLATE LAYOUT F



BASE PLATE LAYOUT G

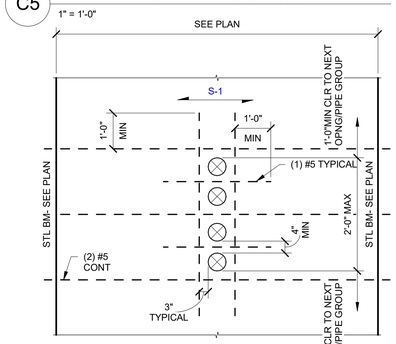
C1 TYPICAL BASE PLATE LAYOUTS

1 1/2" = 1'-0"



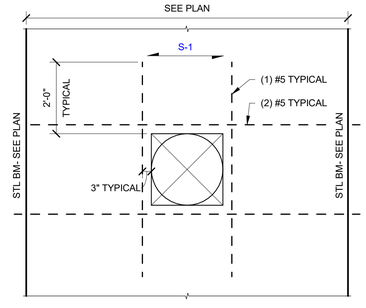
C5 CONC SLAB ON MTL DECK

1" = 1'-0"



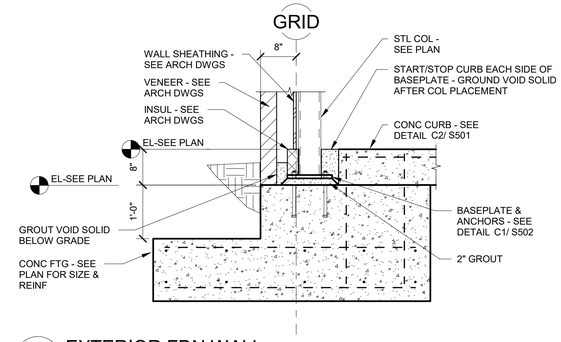
PIPE SLEEVES

NOTES:
1. COORDINATE SIZE & LOCATION OF OPENINGS WITH MECHANICAL & ARCHITECTURAL
2. OPENINGS SHALL BE CUT IN DECK AND SLAB AFTER REACHING SPECIFIED DESIGN STRENGTH
3. PLACE REINFORCEMENT PERPENDICULAR TO DECK SPAN ON TOP OF FLUTE- PLACE REINFORCING PARALLEL TO DECK SPAN IN BOTTOM OF DECK FLUTES WITH PROPER COVER



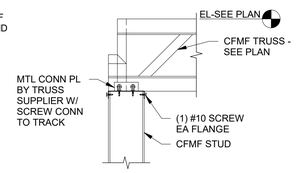
SLAB OPENINGS

NOTES:
1. MAX DIMENSION OF OPENING= 3'-6". SEE PLAN FOR OPENINGS GREATER THAN 3'-6"
2. COORDINATE SIZE & LOCATION OF SLAB OPENINGS. SUBMIT SHOP DRAWING OF PLANNED OPENINGS PRIOR TO DECK POUR FOR REVIEW. OPENINGS 10" OR SMALLER DO NOT REQUIRE REINFORCEMENT UNLESS OPENINGS ARE PLACED IN GROUPS WITH CLEAR SPACING LESS THAN 12" - SEE PIPE SLEEVES REINFORCEMENT
3. OPENINGS SHALL BE CUT IN DECK AND SLAB AFTER REACHING SPECIFIED DESIGN STRENGTH
4. PLACE REINFORCEMENT PERPENDICULAR TO DECK SPAN ON TOP OF FLUTE- PLACE REINFORCING PARALLEL TO DECK SPAN IN BOTTOM OF DECK FLUTES WITH PROPER COVER



B2 EXTERIOR FDN WALL

3/4" = 1'-0"

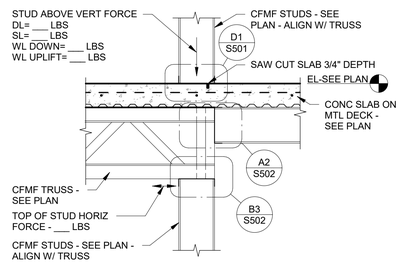


TYP STUD AT TRUSS

TYP STUD AT PARAPET

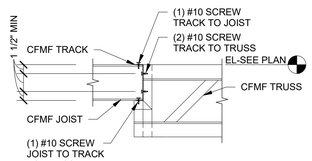
B3 TYP CFMF STUD TOP DETAILS

1" = 1'-0"

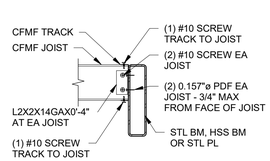


B4 INT STUD AT FLOOR

1" = 1'-0"



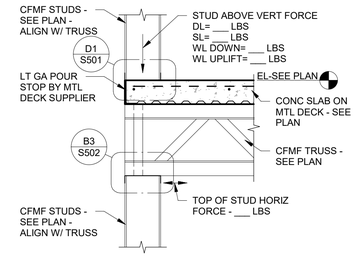
TYP CFMF JOIST TO TRUSS



TYP CFMF JOIST TO STEEL

A2 TYP CFMF JOIST END DETAILS

1" = 1'-0"



A4 EXT STUD AT FLOOR

1" = 1'-0"

A5 TYP COMPOSITE SLAB OPENING

1/2" = 1'-0"

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

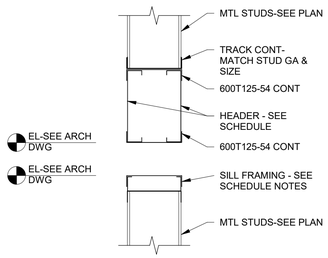
STRUCTURAL DETAILS

S502

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

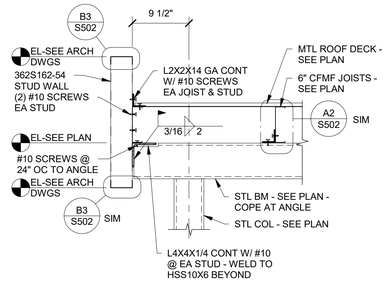
4/21/2026 12:18:29 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/Iowa DAS DOC 4JD CBC New Central Office Building_STRUCT_R25.rvt



- ALL CFMF CONN BY CFMF SUPPLIER

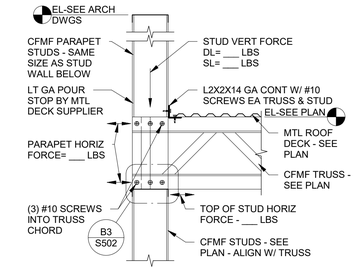
D2 TYP LT GA HEAD & SILL

1 1/2" = 1'-0"



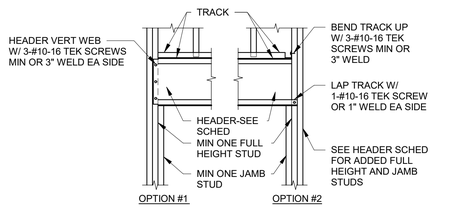
D3 ENTRANCE FRAMING

1" = 1'-0"



D4 EXT STUD AT ROOF

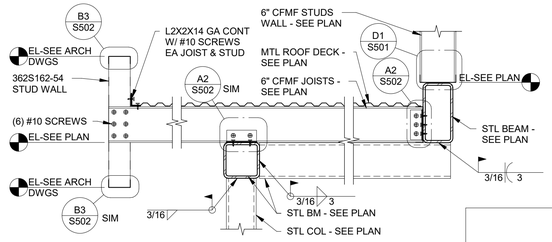
1" = 1'-0"



- ALL CFMF CONN BY CFMF SUPPLIER

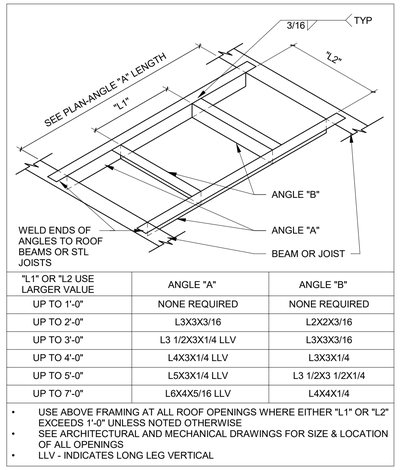
C2 TYP HEADER ELEVATION

3/4" = 1'-0"



C3 ENTRANCE FRAMING

1" = 1'-0"



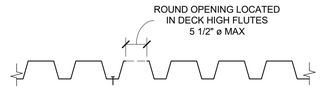
"L1" OR "L2 USE LARGER VALUE	ANGLE "A"	ANGLE "B"
UP TO 1'-0"	NONE REQUIRED	NONE REQUIRED
UP TO 2'-0"	L3X3X3/16	L2X2X3/16
UP TO 3'-0"	L3 1/2X3X1/4 LLV	L3X3X3/16
UP TO 4'-0"	L4X3X1/4 LLV	L3X3X1/4
UP TO 5'-0"	L5X3X1/4 LLV	L3 1/2X3 1/2X1/4
UP TO 7'-0"	L6X4X5/16 LLV	L4X4X1/4

- USE ABOVE FRAMING AT ALL ROOF OPENINGS WHERE EITHER "L1" OR "L2" EXCEEDS 1'-0" UNLESS NOTED OTHERWISE
- SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE & LOCATION OF ALL OPENINGS
- LLV - INDICATES LONG LEG VERTICAL

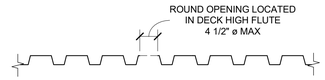
B4 TYP FRAMING AROUND ROOF OPNGS

SCHEMATIC

OPENINGS WITHOUT REINF:

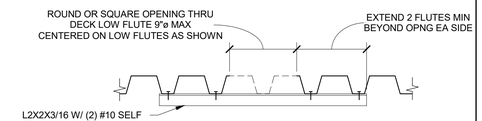


3" - TYPE N ROOF DECK

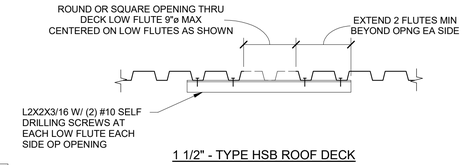


1 1/2" - TYPE HSB ROOF DECK

REINFORCED OPENINGS:



3" - TYPE N ROOF DECK

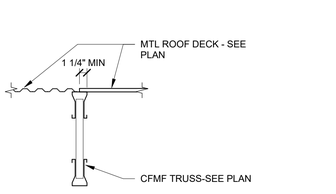


1 1/2" - TYPE HSB ROOF DECK

NOTE:
SEE B4/ S503 FOR SUBFRAMING AT OPENINGS LARGER THAN THOSE SHOWN OR OPENINGS THROUGH MORE THAN 1 DECK LOW FLUTE

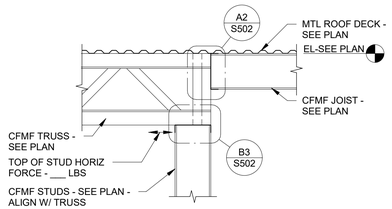
C5 TYP ROOF DECK REINF AT HOLES

1" = 1'-0"



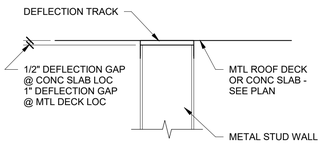
B2 DECK DIRECTION CHANGE

1" = 1'-0"



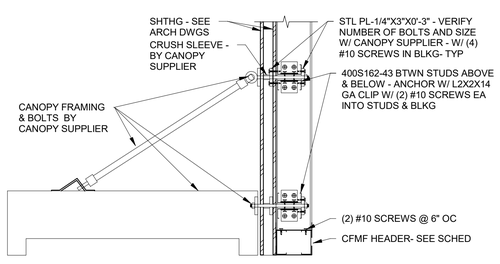
B3 INT STUD AT ROOF

1" = 1'-0"



B5 STUD PARTITION WALL @ SLAB

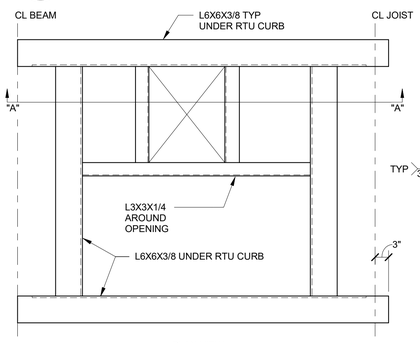
1 1/2" = 1'-0"



- FINAL CANOPY LOADS AND ATTACHMENT POINTS SHALL BE SUBMITTED FOR STRUCTURAL ENGINEER'S REVIEW PRIOR TO WALL CONSTRUCTION

A2 CANOPY FRAMING

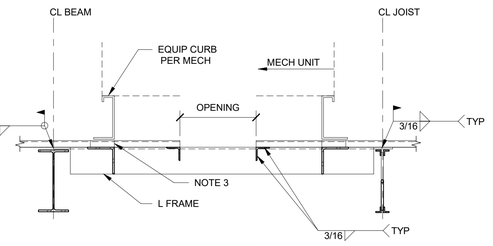
1" = 1'-0"



PLAN VIEW

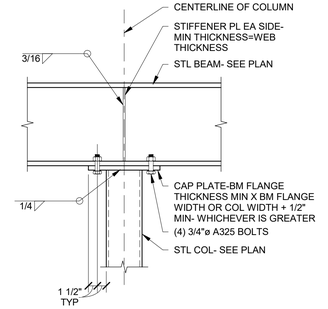
A3 TYP ROOF TOP UNIT CURB SUPPORT

3/4" = 1'-0"



SECTION "A"-"A"

1. COORDINATE SIZE & LOCATION OF OPENINGS w/ ARCHITECTURAL & MECHANICAL DRAWINGS.
2. PROVIDE FRAME FOR ALL OPENINGS OVER 12".
3. PROVIDE BLOCKING BETWEEN DECK RIBS.
4. LOCATE CURB OVER VERTICAL LEG OF L6x6.



A5 BEAM BRG @ COLUMN

1" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

STRUCTURAL DETAILS

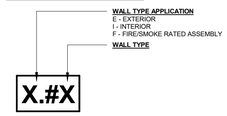
S503

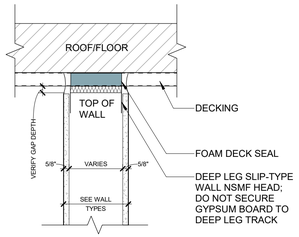
4/21/2026 12:18:31 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/Iowa DAS DOC 4JD CBC New Central Office Building_STRUCT_R25.rvt

WALL TYPE NOTES:

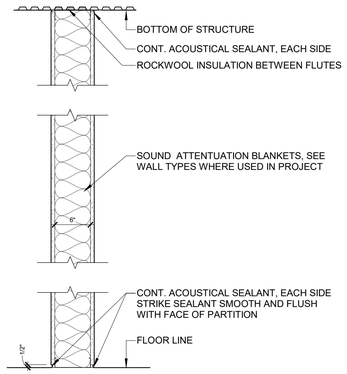
1. ALL INTERIOR WALLS SHALL RUN TO, AND SEAL TO STRUCTURAL DECKING, UNO.
2. INSTALL ACOUSTICAL SEALANT AT THE BASE AND HEAD OF ALL INTERIOR AND EXTERIOR WALLS, UNLESS NOTED OTHERWISE.
3. ALL INTERIOR WALLS TO BE TYPE **L1A** UNO.
4. ALL INTERIOR METAL STUD WALLS TO HAVE ACOUSTICAL BATT INSULATION TO THE FULL DEPTH OF THE CAVITY AND EXTEND THE FULL HEIGHT OF THE WALL.

WALL TAG LEGEND





TYPICAL T.O.W. AT NON-BEARING STUDS



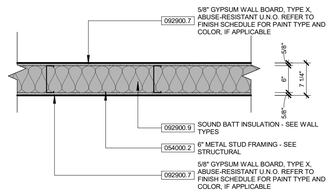
TYPICAL INTERIOR PARTITION

F.1As

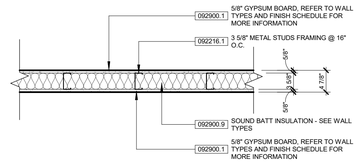
STRUCTURAL WALL

1-HR FIRE RATING

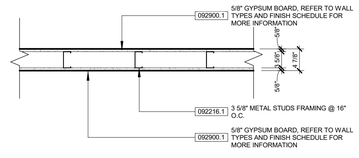
UL U419



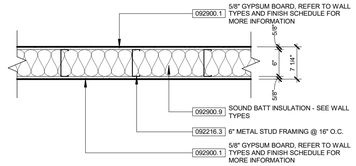
I.1A



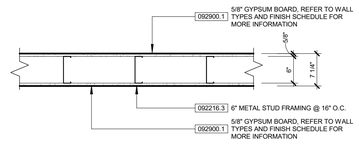
I.1B



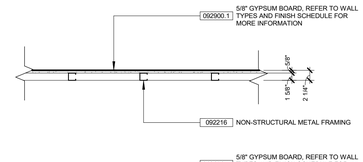
I.1C



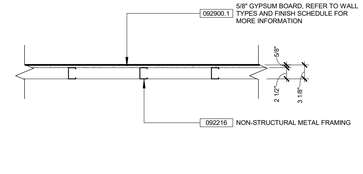
I.1D



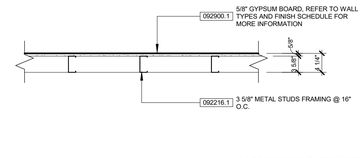
I.1E



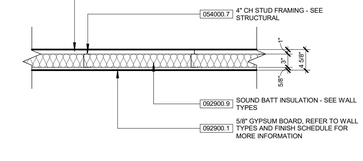
I.1F



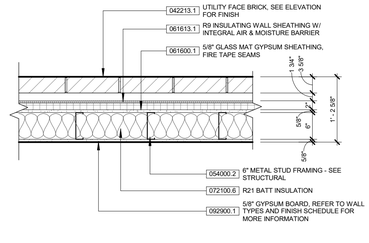
I.1G



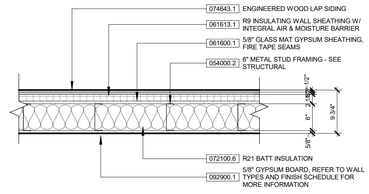
S.1A



E.1A

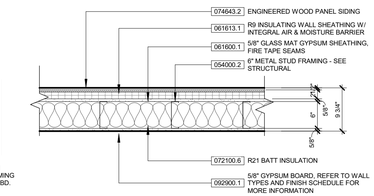


E.1B



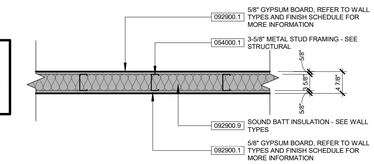
E.1D

E.1Da WALL TYPE (E.1D) WITH 3-5/8" METAL STUD FRAMING AND NO INTERIOR GYP. BD.



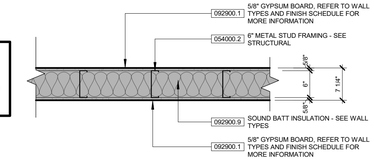
I.1As

STRUCTURAL WALL



I.1Cs

STRUCTURAL WALL



SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

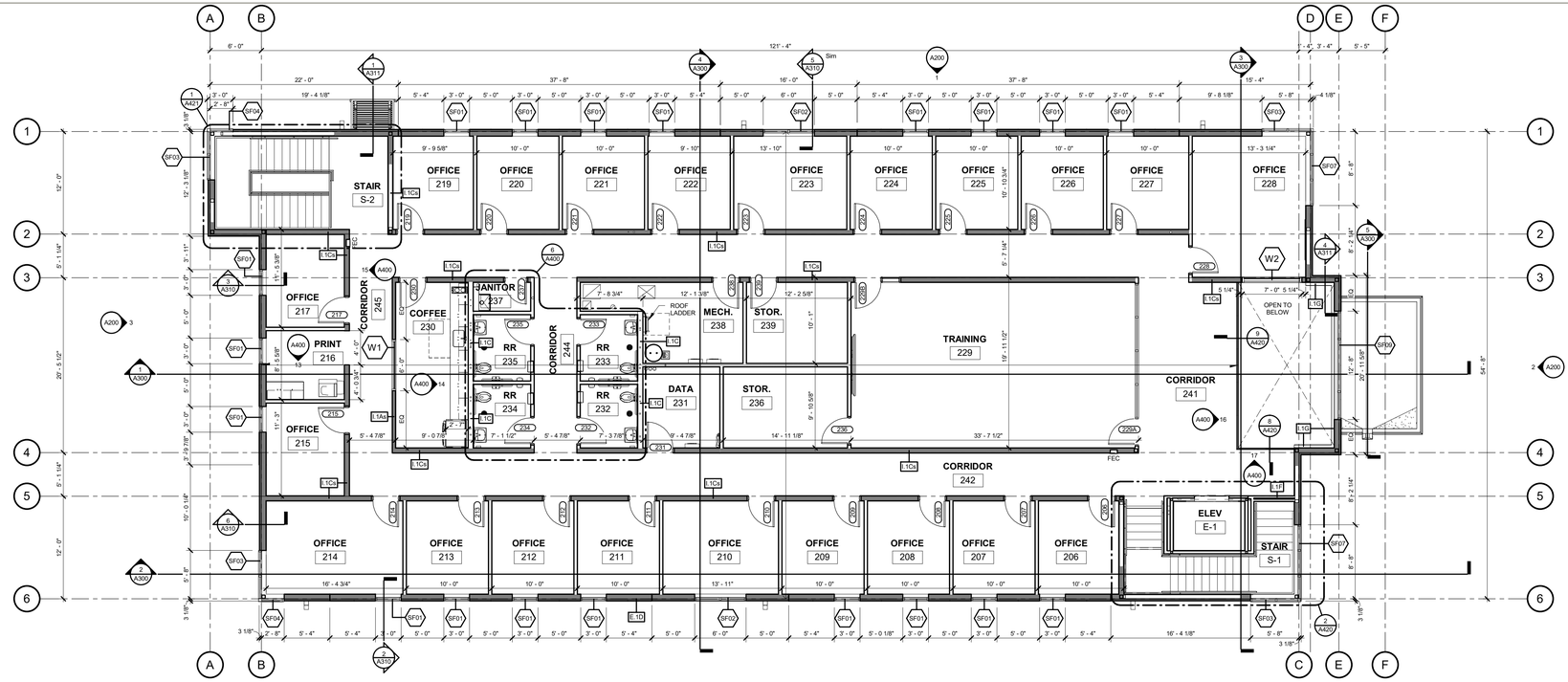
© 2026

PROJECT NUMBER
25079

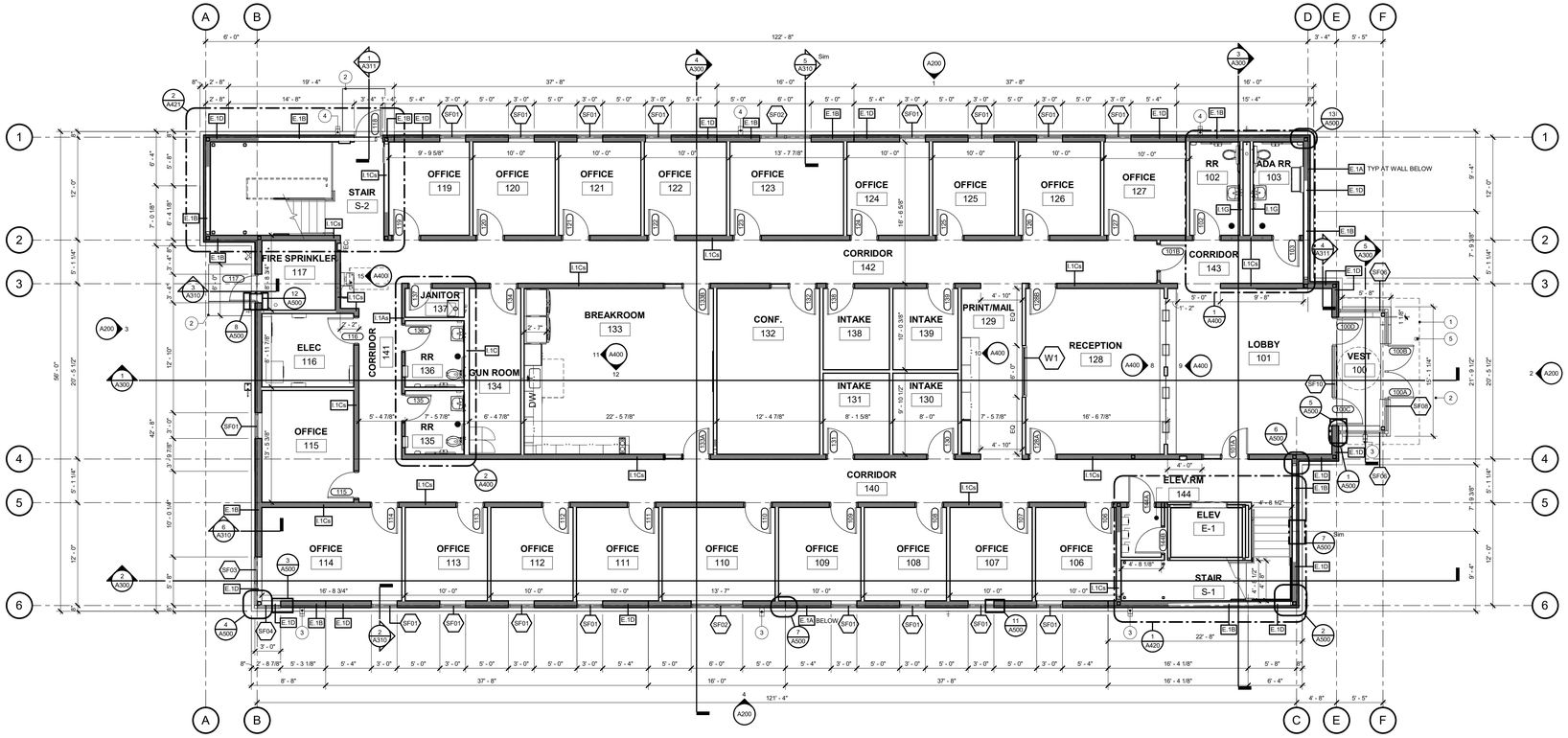
WALL TYPES

A001

4/21/2026 4:42:57 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



2 LEVEL 2 - FLOOR PLAN
SCALE: 1/8" = 1'-0"



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

GENERAL NOTES: FLOOR PLANS

1. THESE GENERAL NOTES APPLY TO ALL FLOOR PLAN SHEETS.
2. DRAWINGS SHOULD NOT BE SCALED - DIMENSIONS GOVERN, CONTACT ARCHITECT FOR CLARIFICATION.
3. FLOOR SPOT ELEVATIONS ARE SHOWN THUS **+0'-0"** ON THE FLOOR PLANS. ELEVATION **0'-0"** = 100.00 GRADE SHOWN ON CIVIL DRAWINGS.
4. ALL WALLS TO EXTEND TO STRUCTURE WITH ACOUSTICAL SEALANT AT TOP AND BOTTOM OF WALL AND WALL PENETRATIONS ABOVE UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS TO BE TYPE **1.1A** UNO.
5. ALL INTERIOR WALLS TO HAVE ACOUSTICAL BATT INSULATION TO THE FULL DEPTH OF THE CAVITY AND EXTEND THE FULL HEIGHT OF THE WALL.
6. ***SEE SHEET A001 FOR WALL TYPE DESCRIPTIONS.***
7. ALL DIMENSIONS ARE TO FACE OF FINISHED WALLS, FACE OF CMU WALLS, OR CENTERLINE OF STRUCTURE / COLUMNS, UNLESS NOTED OTHERWISE.
8. PROVISIONS SHALL BE MADE AT FULL HEIGHT NONBEARING WALLS FOR POTENTIAL VERTICAL MOVEMENT OF BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSION LOADS TO WALL. VERIFY USE OF DEFLECTION TRACK CONNECTIONS AT TOP OF WALL WITH STRUCTURAL.
9. ALL PENETRATIONS THROUGH WALLS AND FLOORS SCHEDULED TO RECEIVE A FIRE RESISTIVE RATING SHALL BE SEALED WITH FIRE STOPPING MATERIAL AS REQUIRED TO ACHIEVE THE RESPECTIVE FIRE-RESISTIVE RATING AND SMOKE STOPPAGE.
10. MASONRY CONTROL JOINTS SHALL BE PROVIDED IN ACCORDANCE WITH INDUSTRY STANDARDS, MANUFACTURE'S RECOMMENDATIONS, AND SHALL BE LOCATED AS SHOWN ON THE DRAWINGS AND PER PROJECT MANUAL SPECIFICATIONS. PROVIDE WHERE MASONRY WALLS BEARING ON CONCRETE FLOOR SLABS ABUT MASONRY WALLS BEARING ON CONCRETE FOOTINGS.
11. CONTRACTOR(S) TO PROVIDE WOOD BLOCKING IN METAL STUD PARTITIONS FOR PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS (IE: TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, MARKER BOARDS, TACK BOARDS, ETC.).
12. GYPSUM BOARD ASSEMBLIES SHALL HAVE CONTROL JOINTS PROVIDED IN ACCORDANCE WITH INDUSTRY STANDARDS, MANUFACTURE'S RECOMMENDATIONS, AND SHALL BE LOCATED WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN PROJECT MANUAL AND APPROVED BY ARCHITECT.
13. DIMENSIONS FOR DOOR AND WINDOW OPENINGS ARE NOMINAL. VERIFY AND ALLOW RECOMMENDED SHIM AND SEALANT GAPS AS REQUIRED AT DOOR AND WINDOW FRAMES.
14. CONTRACTOR(S) SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS AND CABINETS AS REQUIRED BY CODE, LOCAL AUTHORITIES HAVING JURISDICTION, AND AS NOTED ON DRAWINGS AND PROJECT MANUAL.
15. CONTRACTOR(S) SHALL VERIFY LOCATION, MOUNTING HEIGHT, AND BLOCKING REQUIREMENTS OF BRACKETS FOR WALL MOUNTED TV, RAILING BRACKETS, TBA'S, SHELVING BRACKETS, VIDEO EQUIPMENT, AND OTHER OWNER SUPPLIED ITEMS.
16. DOOR OPENINGS SHALL BE INSTALLED SUCH THAT THE EDGE OF THE HINGE JAMB IS 4" AWAY FROM THE ADJACENT PERPENDICULAR WALL IN GYP. BD. WALL ASSEMBLIES TYPICAL, UNLESS NOTED OTHERWISE.
17. CONTRACTOR(S) SHALL PROVIDE A CONCRETE STOOP WITH POSITIVE DRAINAGE AWAY FROM BUILDING, CONSTRUCTED ON FROST FOOTINGS AT ALL EXTERIOR DOOR LOCATIONS. SEE PLANS AND STRUCTURAL SHEETS FOR ADDITIONAL DETAIL. THRESHOLDS TO INCLUDE 2" RIGID INSULATION. SEE DRAWINGS FOR FURTHER DETAILS.
18. CONCRETE FLOORS SHALL SLOPE TO FLOOR DRAINS WHERE INDICATED. SLOPE FLOORS TO DRAIN, NOT TO EXCEED 2% SLOPE TO MAXIMUM SLOPES TO COMPLY WITH ADA AND LOCAL CODES . SEE DRAWINGS FOR ADDITIONAL INFORMATION.
19. ALL "COMM/DATA" ROOM WALLS TO BE LINED WITH 3/4" FIRE RETARDANT PLYWOOD. MASK OFF FIRE RETARDANT RATING AND PAINT WHITE. PLYWOOD 6" AFF TO 9' AFF.
20. PAINT ALL EXTERIOR STEEL LINTELS w/ HIGH PERFORMANCE COATINGS EXPOSED OR NOT.
21. HOLD 1/2" CLEARANCE BETWEEN FLOOR AND GYPSUM BOARD. FILL GAP BETWEEN BOTTOM EDGE OF GYPSUM BOARD AND FLOOR WITH (ACOUSTIC) SEALANT. SEE TYPICAL INTERIOR PARTITION ON A001.

FLOOR PLAN NOTES

1	CANOPY OVERHEAD
2	CONC STOOP - SEE STRUCTURAL
3	DOWNSPOUT TO SPLASHBLOCK ABOVE GRADE
4	DOWNSPOUT TO BELOW GRADE STORM SEWER
5	PUSH BUTTON & CARD READER PEDESTAL, SEE SPEC.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

FLOOR PLANS
A100

4/21/2026 4:42:58 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

GENERAL NOTES: ROOF PLAN

1. MOST ROOF SLOPE ACCOMPLISHED WITH SLOPING ROOF STRUCTURE. SEE STRUCTURAL FOR ELEVATIONS TO DETERMINE PROPER TAPERED INSULATION. SHADED AREAS REPRESENT TAPERED INSULATION. PROVIDE A MINIMUM OF 1/4 INCH PER FOOT SLOPE TO ROOF DRAINS UNO.
2. SEE A110 AND A511 FOR TYPICAL ROOF DETAILS.
3. ROOF MEMBRANE TO BE FULLY ADHERED TO PARAPET WALLS AND MUST EXTEND DOWN OUTSIDE FACE OF WALL 3" MIN. AIR/MOISTURE BARRIER TO EXTEND TO TOP OF PARAPET. SEAL ROOF MEMBRANE TO AIR/MOISTURE BARRIER.
4. EASE ALL EDGES OF ROOF BLOCKING/SHEATHING WHERE MEMBRANE WRAPS AROUND.
5. ARROWS ON THE PLAN INDICATE DIRECTION OF DRAINAGE. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS OF BUILDING AND DRAIN LOCATIONS AND OTHER PENETRATIONS.
6. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL PENETRATIONS NOT INDICATED ON THE ROOF PLAN.
7. COORDINATE EXACT SIZE AND LOCATION OF PENETRATIONS WITH MECHANICAL AND ELECTRICAL DRAWINGS.
8. SEE STRUCTURAL DRAWINGS FOR FRAMING AROUND ROOF PENETRATIONS.
9. PROVIDE WALKWAY PADS AS SHOWN ON ROOF PLANS
10. FLASH ALL DRAINS, CURBS, VENTS, AND STACKS PER MANUFACTURER'S RECOMMENDATIONS IF DETAIL NOT PROVIDED ON DRAWINGS.
11. ALL ROOF CURBS TO BE A MINIMUM OF 8 INCHES ABOVE ROOF LEVEL. PROVIDE TAPERED INSULATION ROOF CRICKETS AT ROOF CURBS AS REQUIRED FOR DRAINAGE AWAY AROUND CURBS.
12. ALL OVERFLOW DRAINS ARE TO BE LOCATED AT A LINEAR DISTANCE THAT PROVIDES 2 INCHES OF HEIGHT ABOVE MAIN ROOF DRAIN.
13. AFTER INSTALLED, NO WATER ALLOWED TO REMAIN ON THE ROOF 24 HOURS AFTER RAIN EVENT.

ROOF PLAN NOTES

1	SLOPED STRUCTURE - SEE STRUCTURAL DWGS
2	SCUPPER TO CONDUCTOR HEAD TO DOWNSPOUT
3	PREFABRICATED ALUMINUM CANOPY
4	CRICKET - 1/4"/1'-0" SLOPE

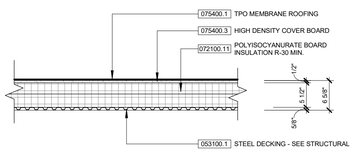
ROOF LEGEND

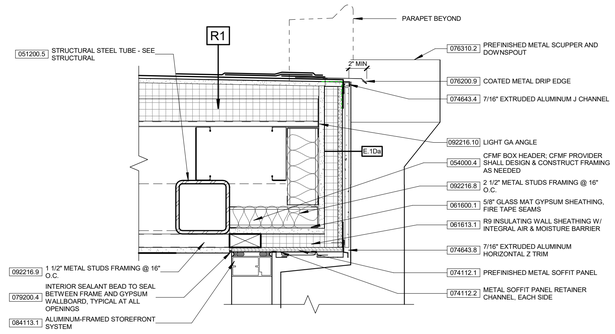
TAPERED INSULATION (1/4" PER 1'-0" SLOPE)

WALKWAY PAD

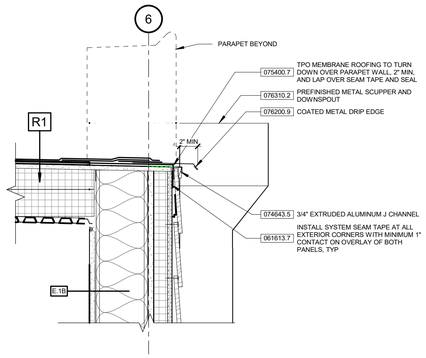
ROOF DRAIN / OVERFLOW DRAIN

R1

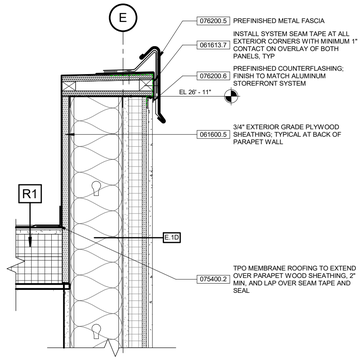




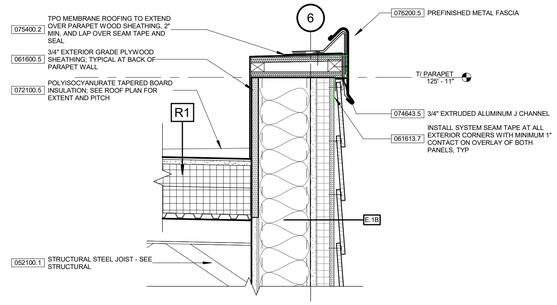
6 SCUPPER AT CANOPY
SCALE: 1 1/2" = 1'-0"



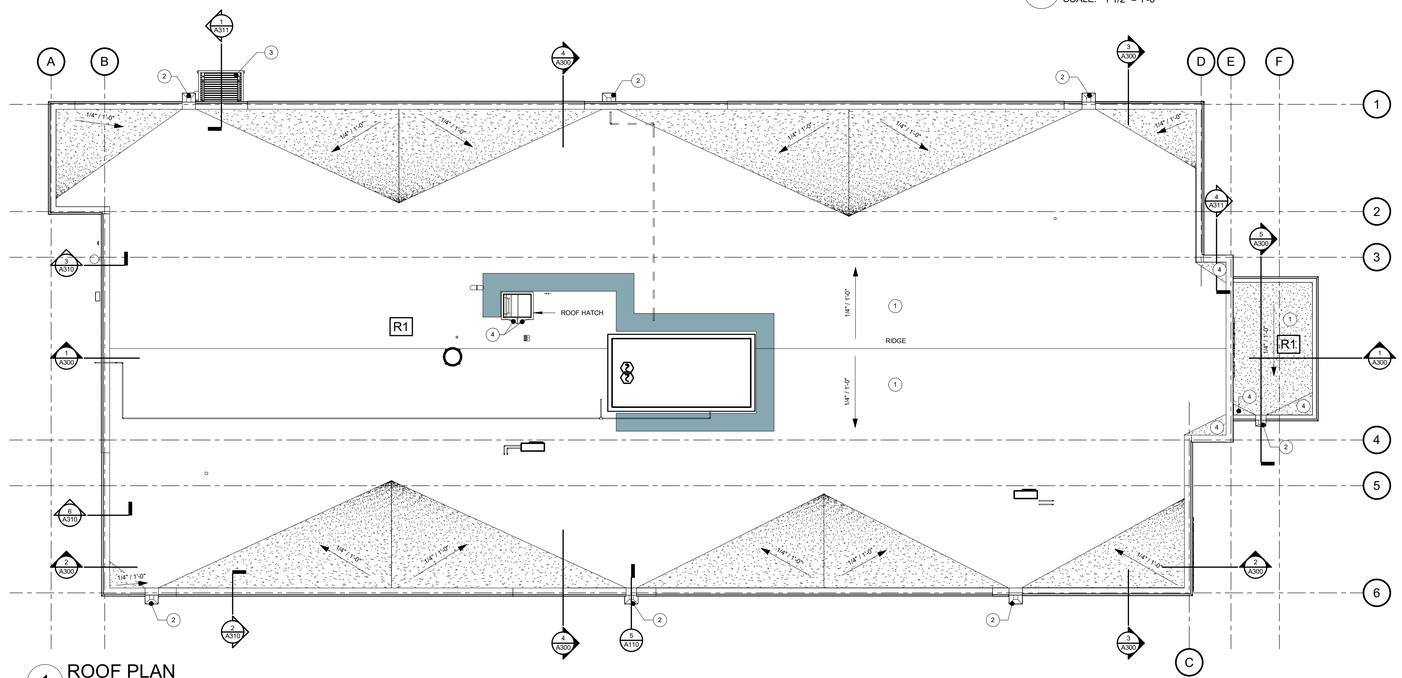
5 SCUPPER DETAIL AT LP SIDING
SCALE: 1 1/2" = 1'-0"



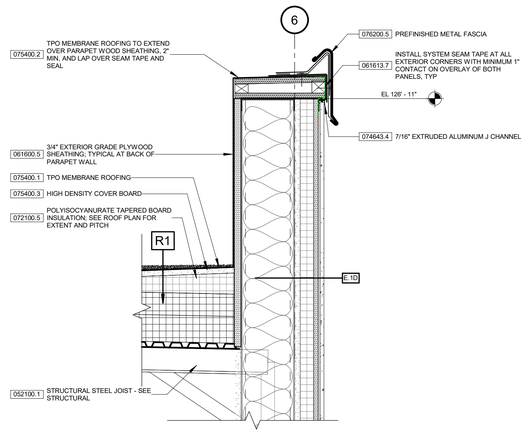
4 UPPER CANOPY AT METAL PANEL DETAIL
SCALE: 1 1/2" = 1'-0"



3 PARAPET AT LP SIDING
SCALE: 1 1/2" = 1'-0"



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



2 PARAPET AT LP PANEL
SCALE: 1 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

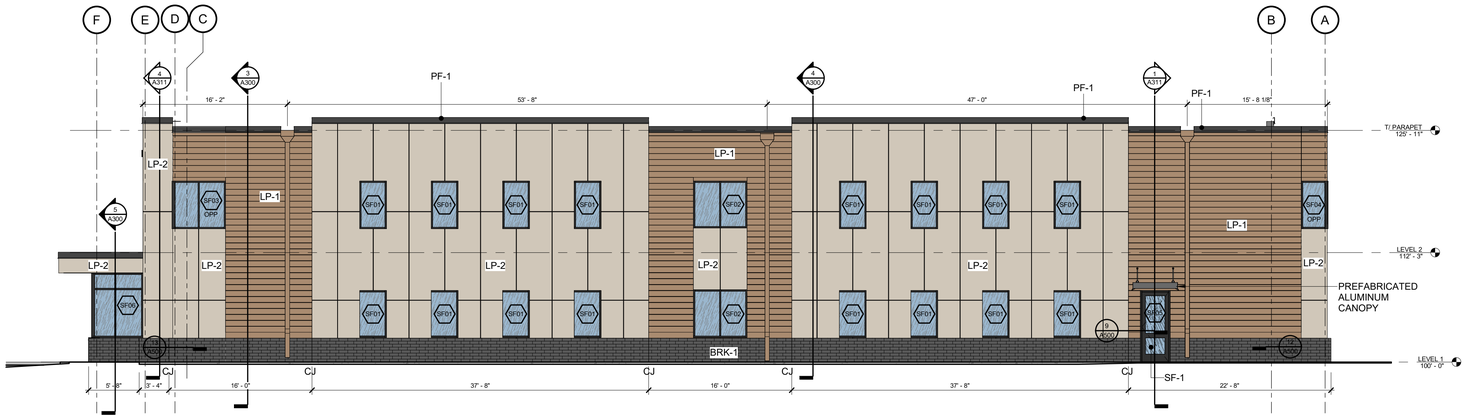
REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

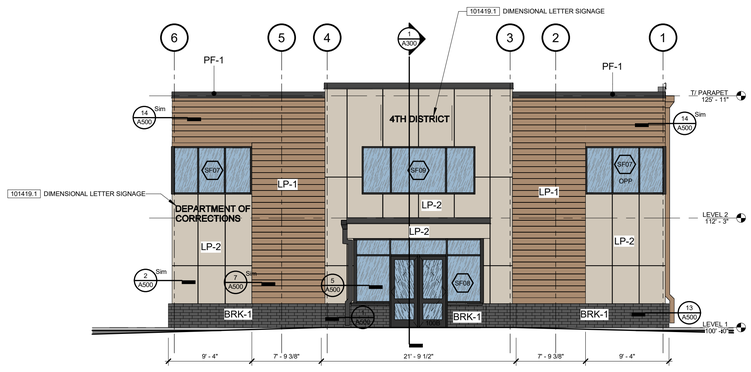
ROOF PLAN
A110

4/21/2026 4:42:59 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



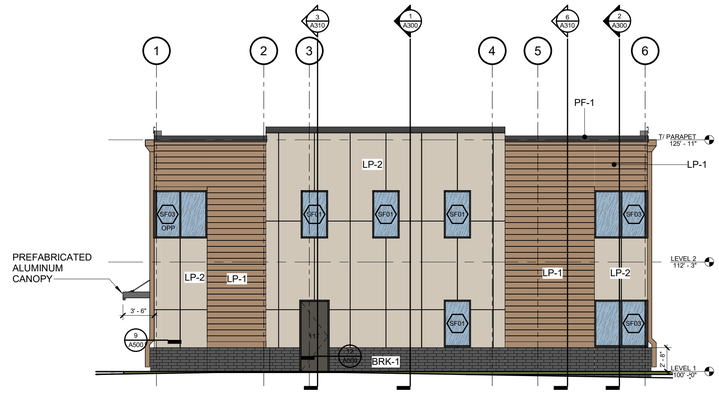
1 NORTH ELEVATION

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



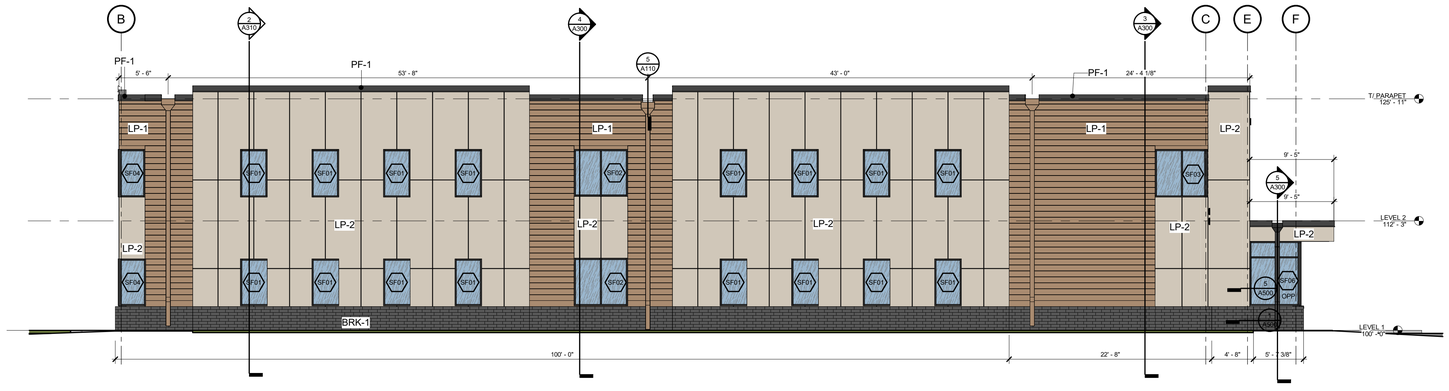
2 EAST ELEVATION

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



3 WEST ELEVATION

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



4 SOUTH ELEVATION

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

MATERIAL LEGEND

BRK-1	UTILITY FACE BRICK - BLACK FINISH (COLOR TBD)	
LP-1	FIBER CEMENT LAP SIDING -	BASIS OF DESIGN 'LP LAP SIDING' PAINTED SW9100 'UMBER RUST'
LP-2	FIBER CEMENT PANEL BOARD -	BASIS OF DESIGN 'LP PANEL BOARD' PAINTED SW9170 'ACIER'
ALT-1	FIBER CEMENT LAP SIDING -	BASIS OF DESIGN 'LP LAP SIDING' PAINTED SW9170 'ACIER'
SF-1	ALUMINUM STOREFRONT	BASIS OF DESIGN 'EFCO 403-I'
PF-1	PREFINISHED METAL FASCIA/DOWNSPOUT	

MATERIAL NOTES

ALTERNATE 01 (ALT-1) SHALL REPLACE LP-2 WITH LP-1

MATERIAL PERCENTAGES

NOTE: MATERIAL PERCENTAGES TO BE VERIFIED BY CONTRACTOR

NORTH

TOTAL SF = 3,602 SF

	SF	%
MASONRY	371	10
FC LAP SIDING	1027	28
FC PANEL	1797	50
GLAZING	381	11
DOORS	26	1

SOUTH

TOTAL SF =3,439 SF

	SF	%
MASONRY	355	10
FC LAP SIDING	874	25
FC PANEL	1813	53
GLAZING	397	12
DOORS	0	0

WEST

TOTAL SF = 1,465 SF

	SF	%
MASONRY	141	10
FC LAP SIDING	402	27
FC PANEL	722	49
GLAZING	176	12
DOORS	24	2

EAST

TOTAL SF = 1,459 SF

	SF	%
MASONRY	132	10
FC LAP SIDING	474	32
FC PANEL	598	41
GLAZING	204	14
DOORS	51	3

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services · kpff · IOWA · Samuels Group · SNYDER & ASSOCIATES · Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

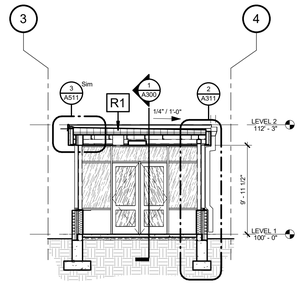
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

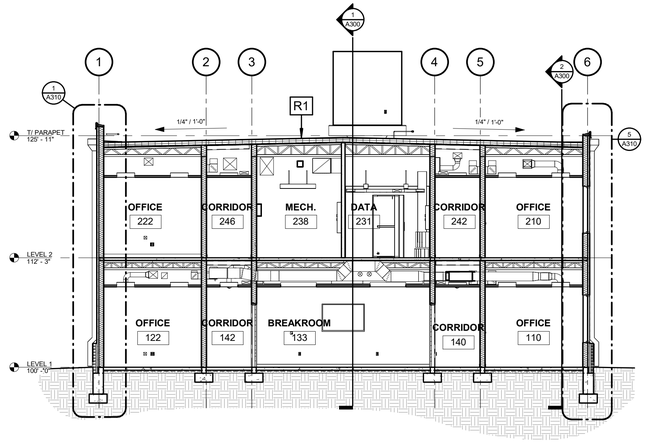
EXTERIOR ELEVATIONS

A200

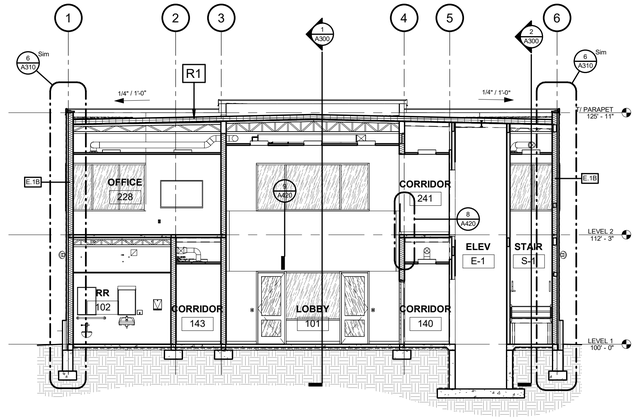
4/21/2026 4:43:01 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



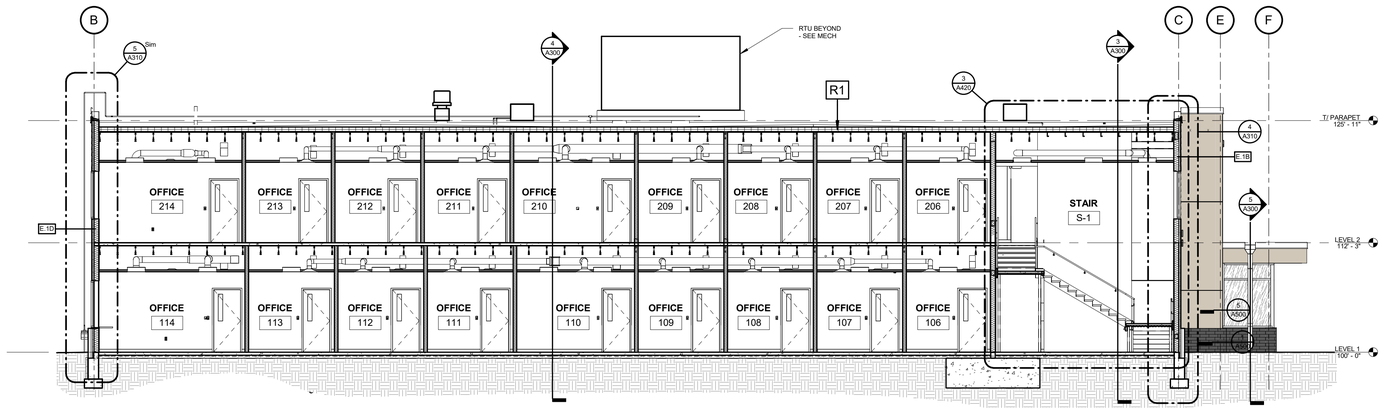
5 BUILDING SECTION
SCALE: 1/8" = 1'-0"



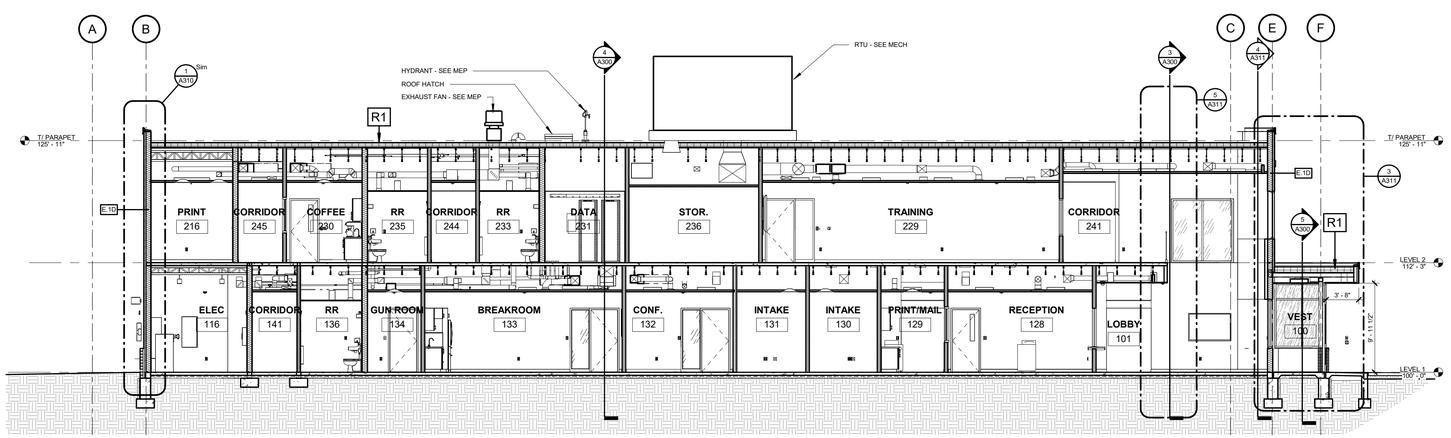
4 BUILDING SECTION
SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
SCALE: 1/8" = 1'-0"



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

4/21/2026 4:43:04 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

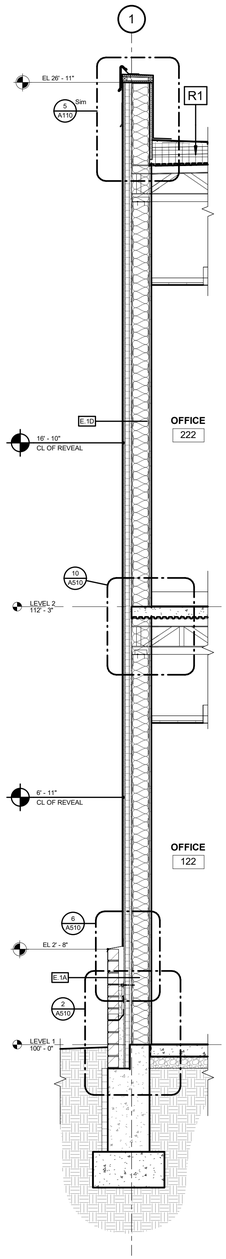
100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

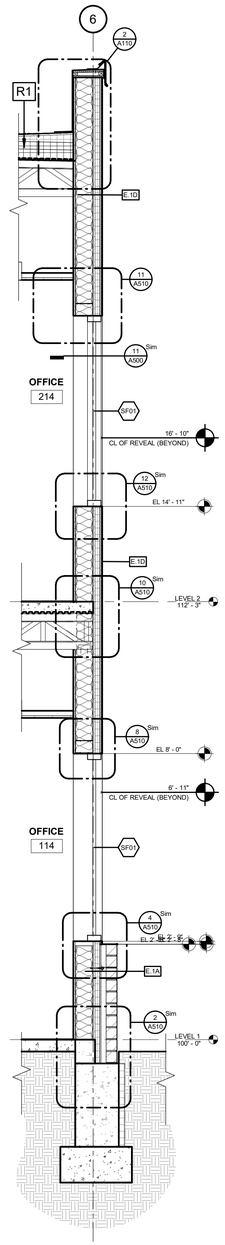
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

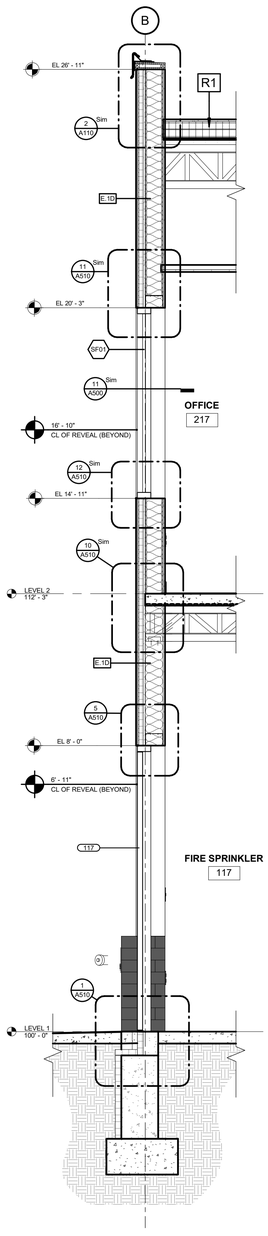
BUILDING SECTIONS
A300



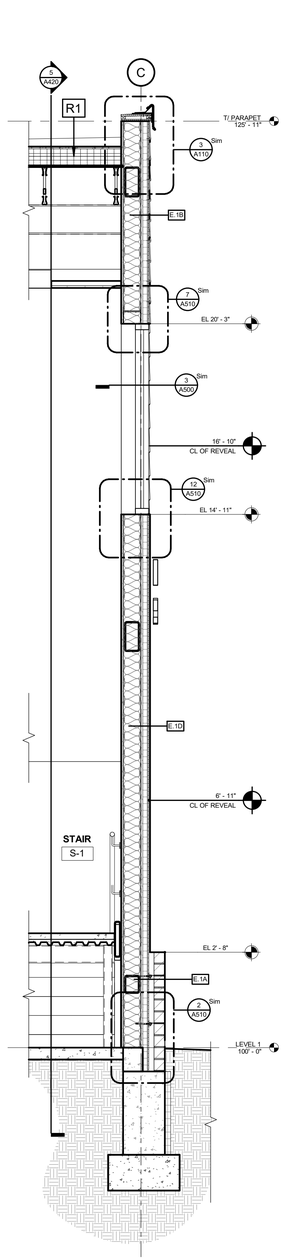
1 WALL SECTION
SCALE: 1/2" = 1'-0"



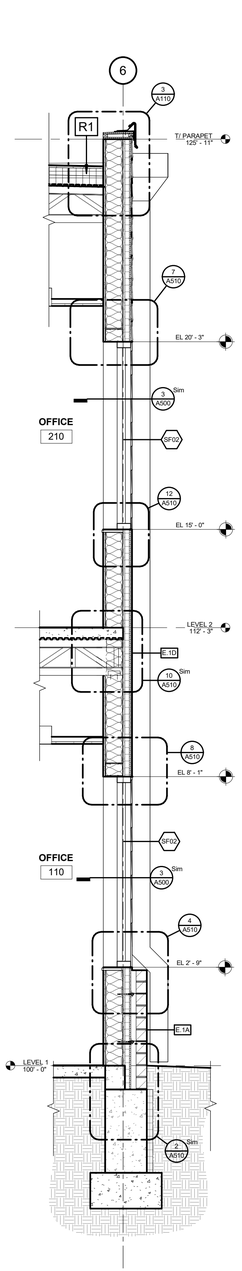
2 WALL SECTION
SCALE: 1/2" = 1'-0"



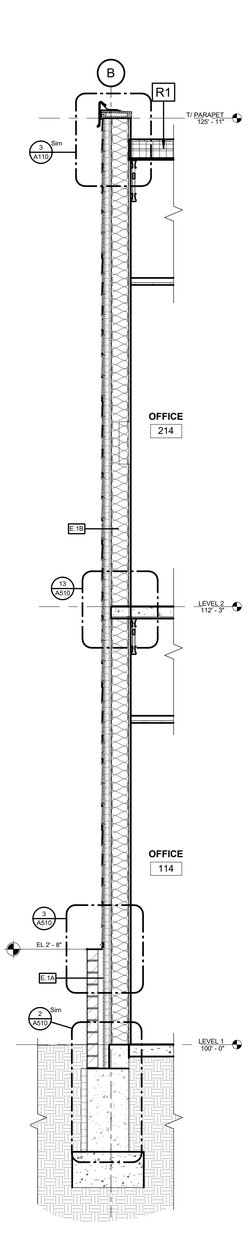
3 HM DOOR SECTION
SCALE: 1/2" = 1'-0"



4 WALL SECTION
SCALE: 1/2" = 1'-0"



5 WALL SECTION
SCALE: 1/2" = 1'-0"



6 LAP SIDING WALL SECTION
SCALE: 1/2" = 1'-0"

4/21/2026 4:43:05 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
IOWA
kpff
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

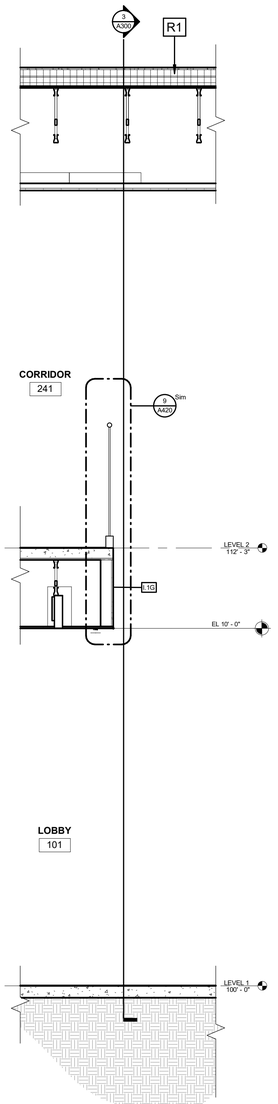
100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

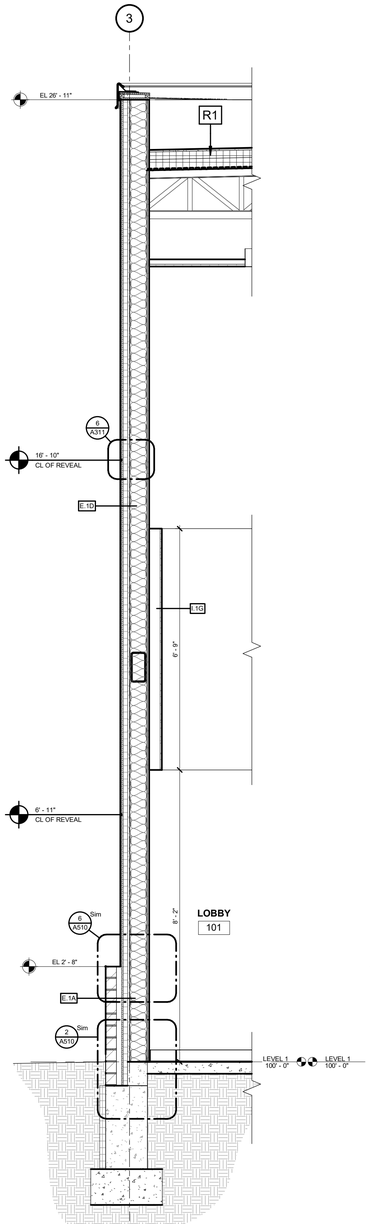
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

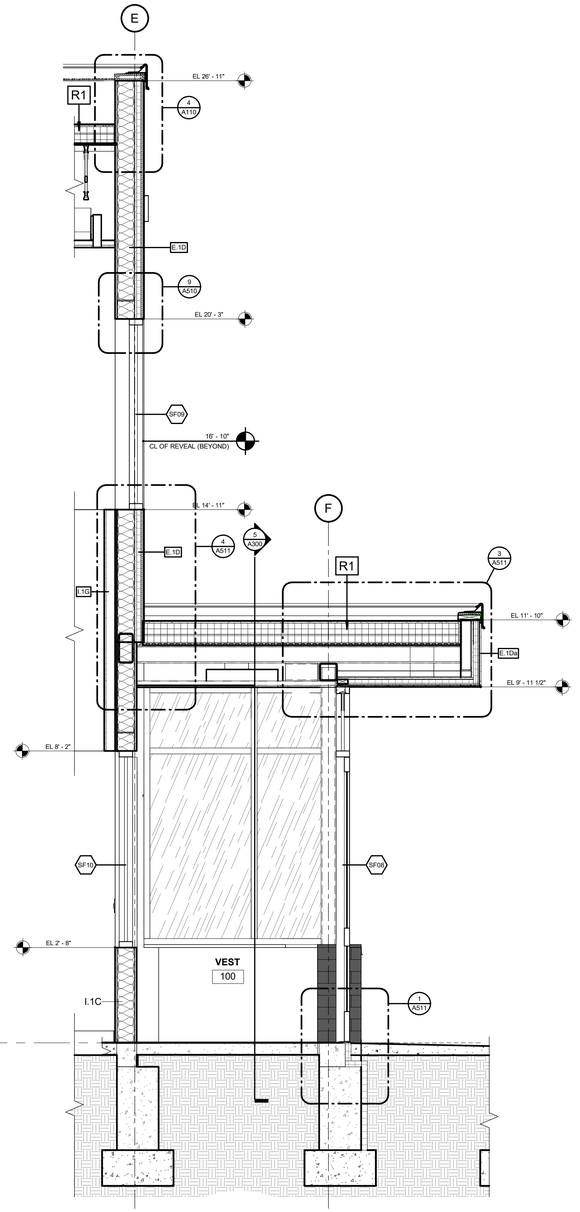
WALL SECTIONS
A310



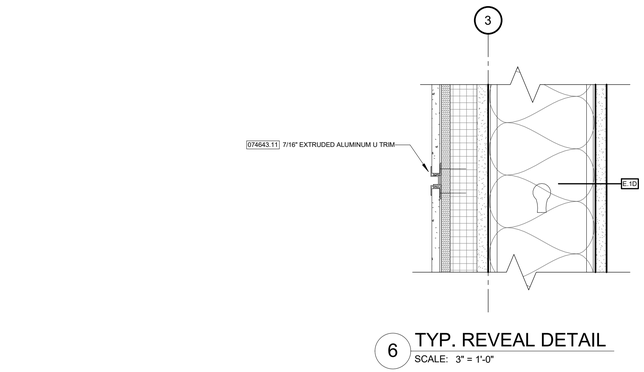
5 ATRIUM RAILING SECTION
SCALE: 1/2" = 1'-0"



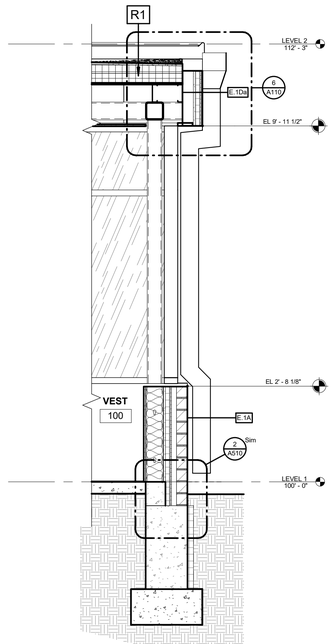
4 WALL SECTION
SCALE: 1/2" = 1'-0"



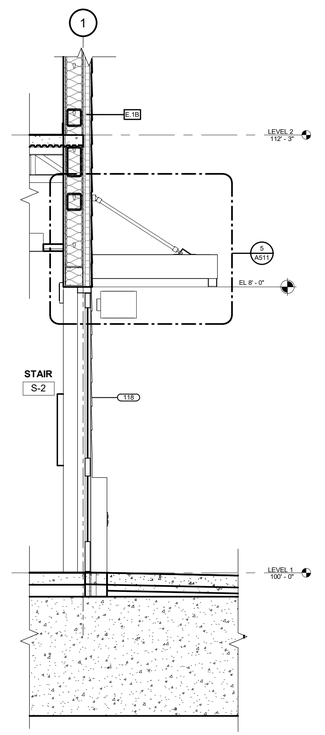
3 WALL SECTION
SCALE: 1/2" = 1'-0"



6 TYP. REVEAL DETAIL
SCALE: 3" = 1'-0"



2 ENTRY WALL SECTION
SCALE: 1/2" = 1'-0"



1 CANOPY SECTION
SCALE: 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

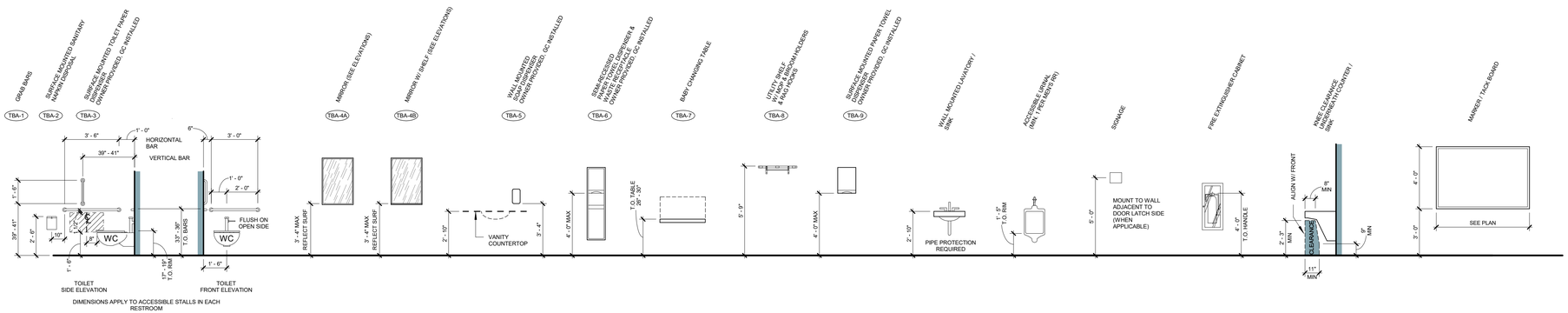
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

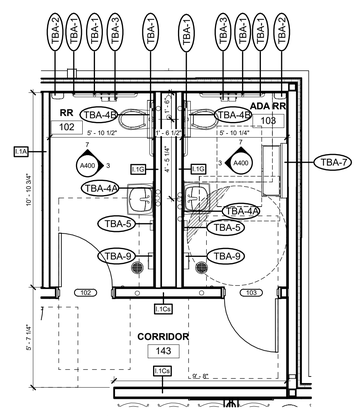
PROJECT NUMBER
25079

WALL SECTIONS

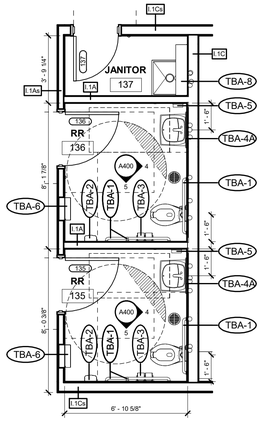
A311

4/21/2026 4:43:05 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

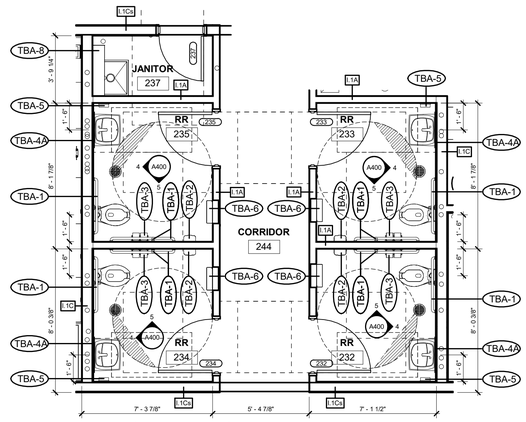




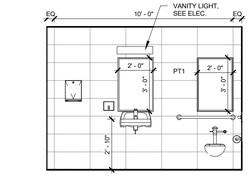
1 ENLARGED LVL1 RR
SCALE: 1/4" = 1'-0"



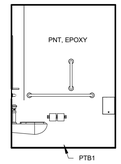
2 ENLARGED LVL1 STAFF RR
SCALE: 1/4" = 1'-0"



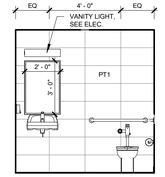
6 ENLARGED LVL2 STAFF RR
SCALE: 1/4" = 1'-0"



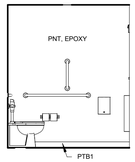
3 PUBLIC RR A
SCALE: 1/4" = 1'-0"



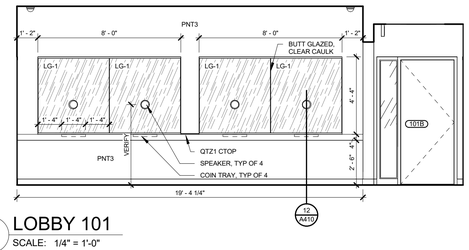
7 PUBLIC RR B
SCALE: 1/4" = 1'-0"



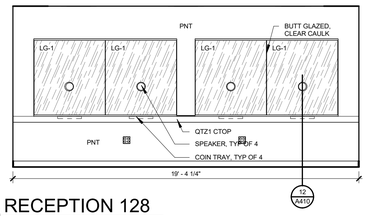
4 STAFF RR A
SCALE: 1/4" = 1'-0"



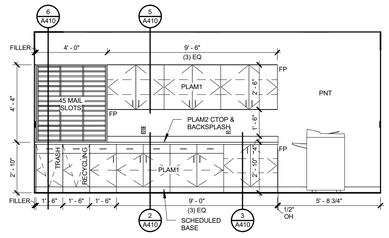
5 STAFF RR B
SCALE: 1/4" = 1'-0"



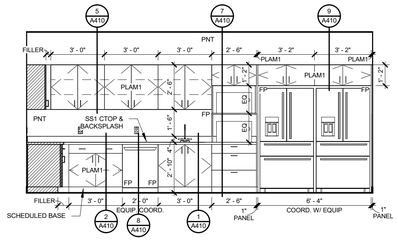
9 LOBBY 101
SCALE: 1/4" = 1'-0"



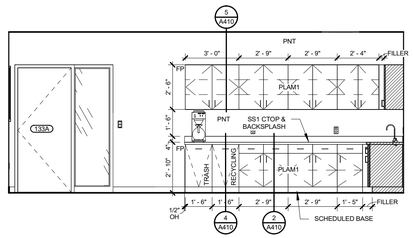
8 RECEPTION 128
SCALE: 1/4" = 1'-0"



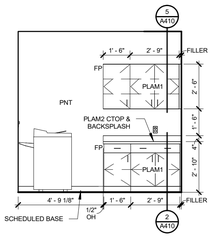
10 PRINT/ MAIL 129
SCALE: 1/4" = 1'-0"



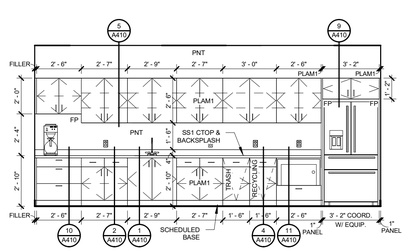
11 BREAKROOM 133A
SCALE: 1/4" = 1'-0"



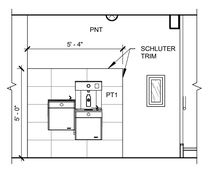
12 BREAKROOM 133B
SCALE: 1/4" = 1'-0"



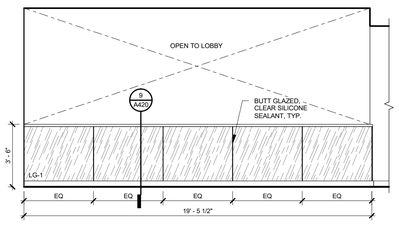
13 PRINT 216
SCALE: 1/4" = 1'-0"



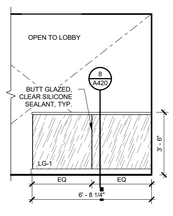
14 COFFEE 230
SCALE: 1/4" = 1'-0"



15 DRINKING FOUNTAIN
SCALE: 1/4" = 1'-0"



16 GLASS RAILING A
SCALE: 1/4" = 1'-0"



17 GLASS RAILING B
SCALE: 1/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

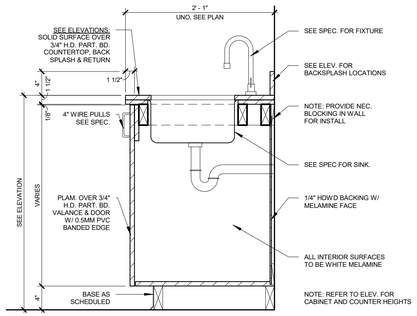
REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

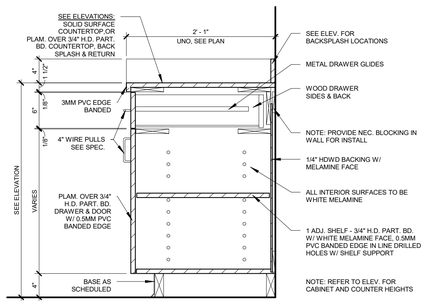
PROJECT NUMBER
25079

INTERIOR ELEVATIONS
A400

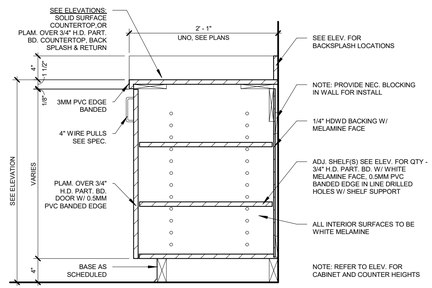
4/21/2026 4:43:09 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



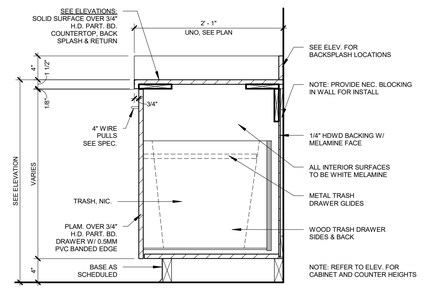
1 BASE CAB W/ SINK
SCALE: 1" = 1'-0"



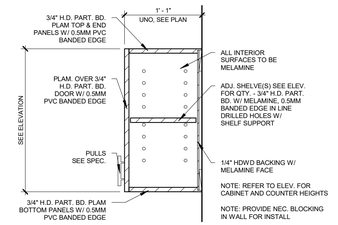
2 BASE CAB W/ DRAWER(S)
SCALE: 1" = 1'-0"



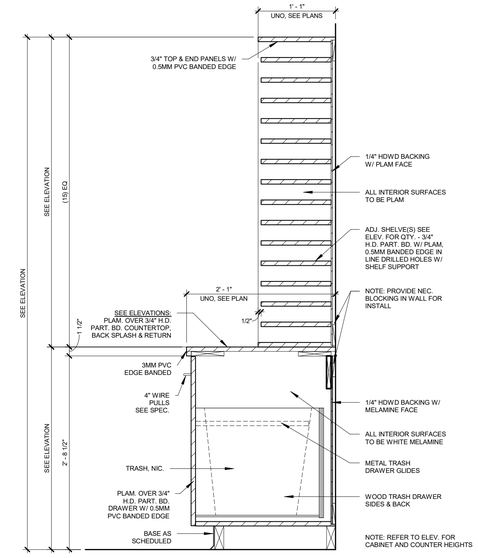
3 BASE CAB W/ DOOR(S)
SCALE: 1" = 1'-0"



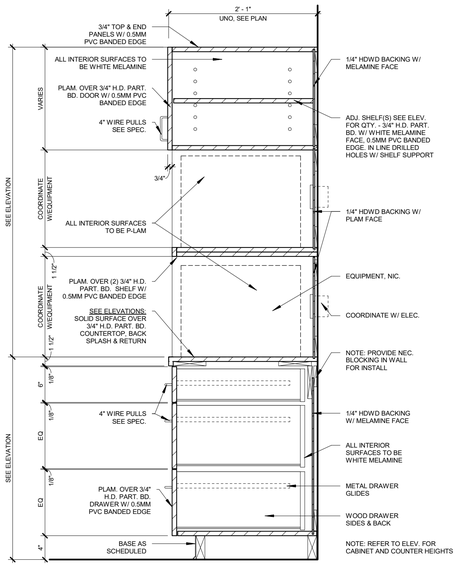
4 BASE CAB - TRASH DRAWER
SCALE: 1" = 1'-0"



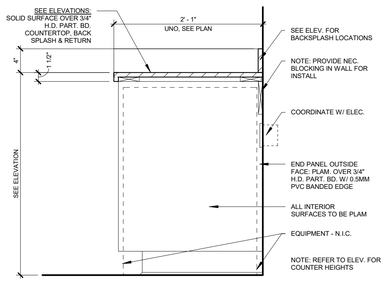
5 UPPER W/ DOOR(S)
SCALE: 1" = 1'-0"



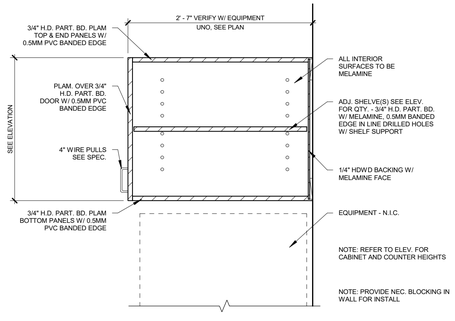
6 BASE CAB W/ TRASH & SORTER
SCALE: 1" = 1'-0"



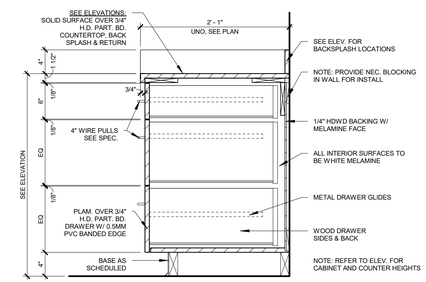
7 BASE CAB - (2) MICRO. W/ DRAWERS
SCALE: 1" = 1'-0"



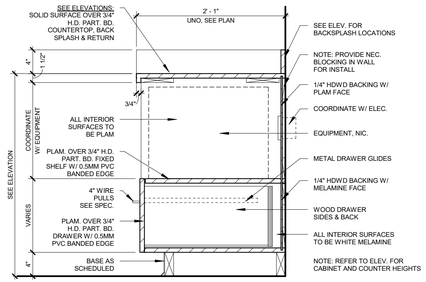
8 BASE CAB - OPEN SPACE
SCALE: 1" = 1'-0"



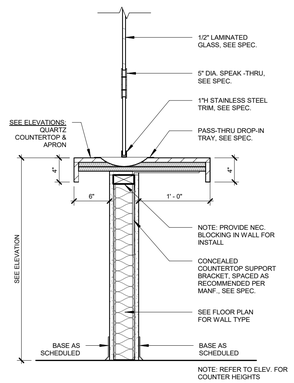
9 UPPER W/ DOOR(S) @ FRIDGE
SCALE: 1" = 1'-0"



10 BASE CAB - W/ 3 DRAWERS
SCALE: 1" = 1'-0"



11 BASE CAB - MICRO. W/ DRAWER
SCALE: 1" = 1'-0"



12 RECEPTION PASS-THRU WINDOW
SCALE: 1" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

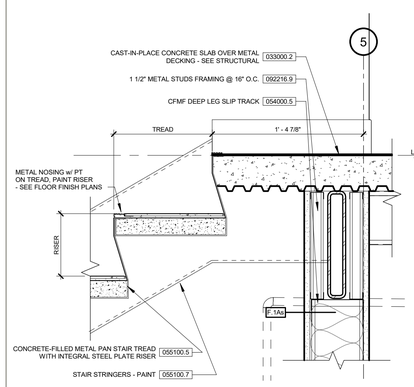
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

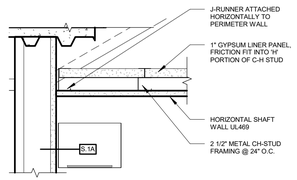
MILLWORK DETAILS

A410

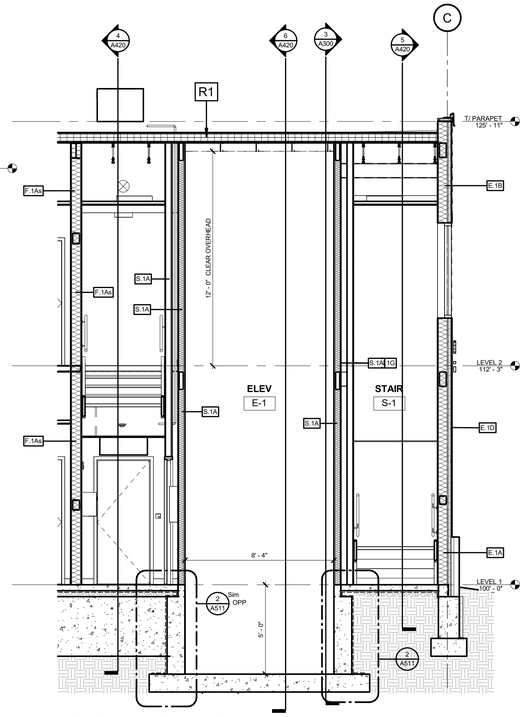
4/21/2026 4:43:10 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



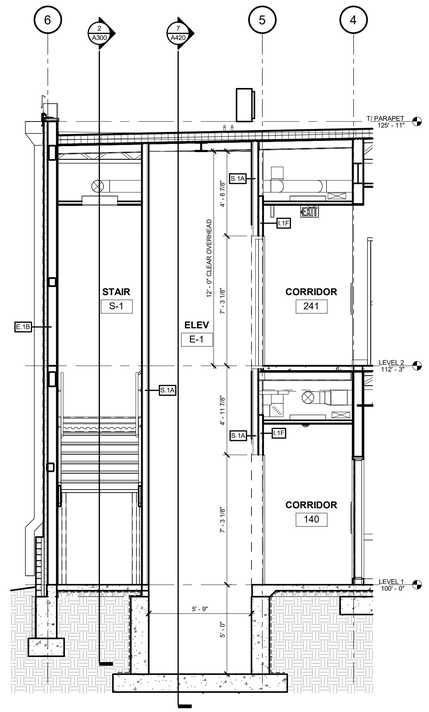
11 STAIR 1 - LANDING DETAIL
SCALE: 1 1/2" = 1'-0"



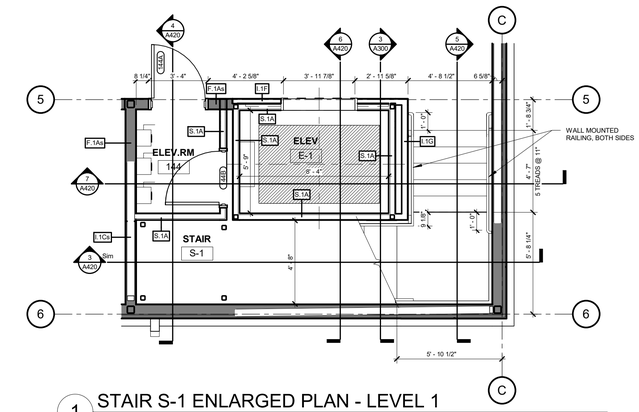
10 RATED GYP.BD. CEILING
SCALE: 1 1/2" = 1'-0"



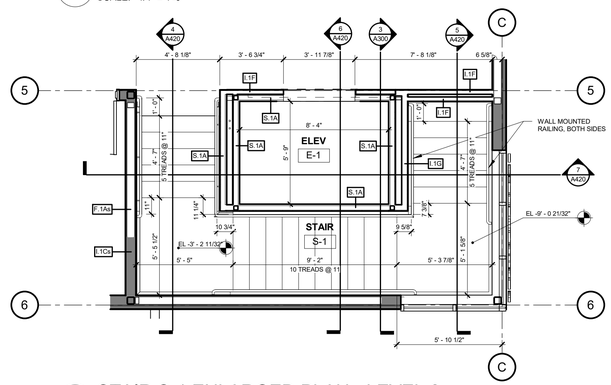
7 ELEVATOR SECTION
SCALE: 1/4" = 1'-0"



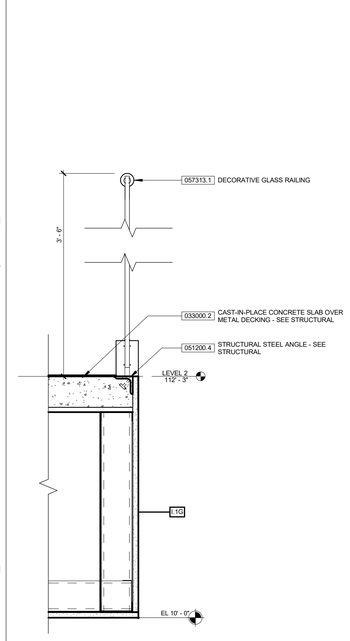
6 ELEVATOR SECTION
SCALE: 1/4" = 1'-0"



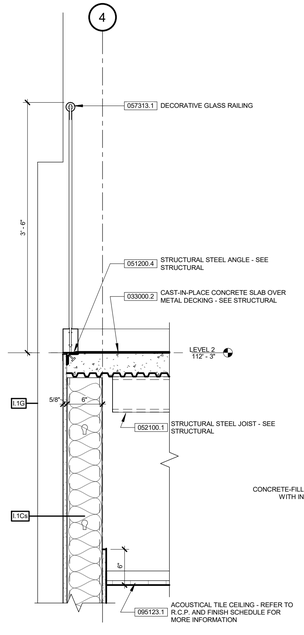
1 STAIR S-1 ENLARGED PLAN - LEVEL 1
SCALE: 1/4" = 1'-0"



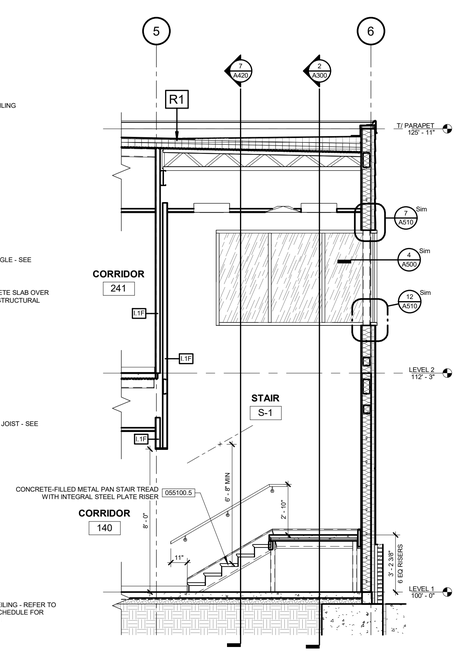
2 STAIR S-1 ENLARGED PLAN - LEVEL 2
SCALE: 1/4" = 1'-0"



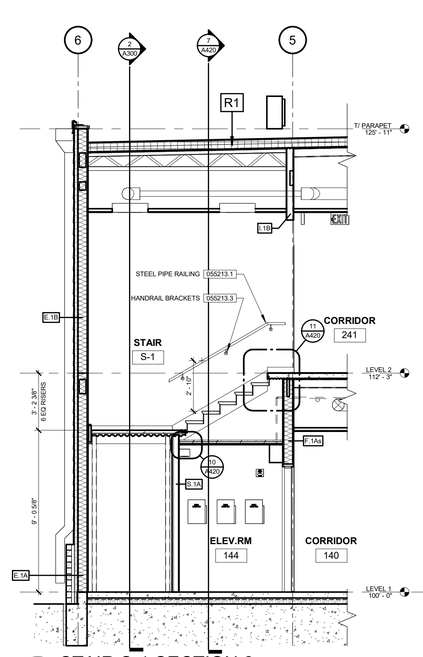
9 WEST RAILING SECTION
SCALE: 1 1/2" = 1'-0"



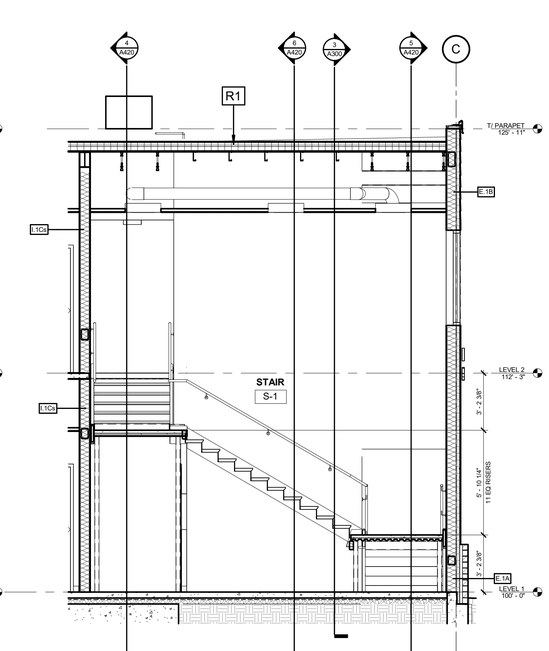
8 SOUTH RAILING SECTION
SCALE: 1" = 1'-0"



5 STAIR S-1 SECTION 3
SCALE: 1/4" = 1'-0"



4 STAIR S-1 SECTION 2
SCALE: 1/4" = 1'-0"



3 STAIR S-1 SECTION
SCALE: 1/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

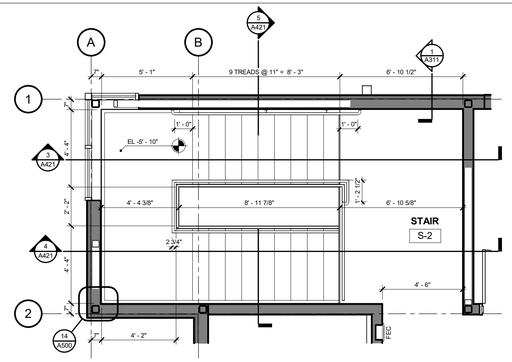
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

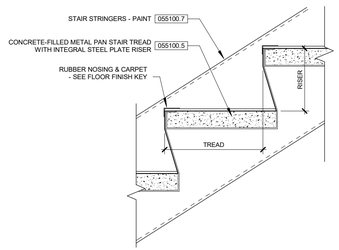
STAIR S-1, ELEVATOR PLANS & SECTIONS

A420

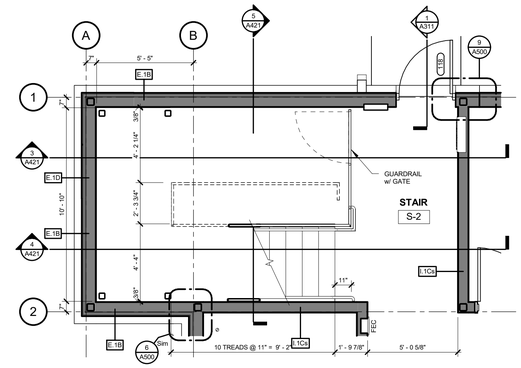
4/21/2026 4:43:12 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



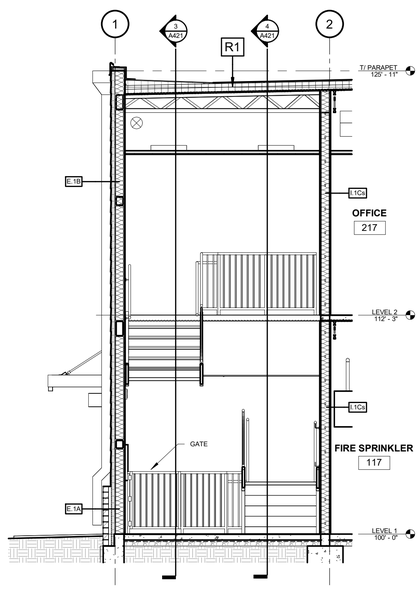
1 STAIR S-2 ENLARGED PLAN - LEVEL 2
SCALE: 1/4" = 1'-0"



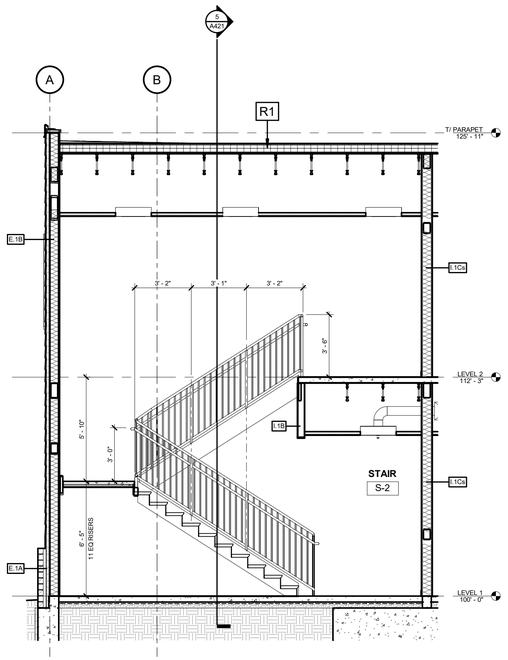
6 STAIR 2 TREAD/RISER DETAIL
SCALE: 1 1/2" = 1'-0"



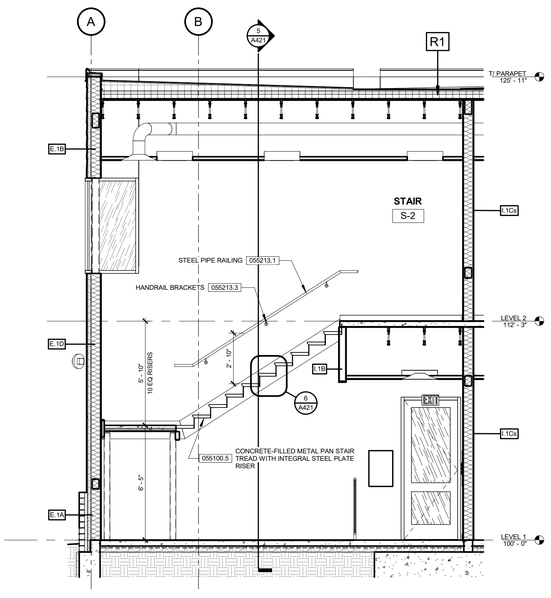
2 STAIR S-2 ENLARGED PLAN - LEVEL 1
SCALE: 1/4" = 1'-0"



5 STAIR S-2 SECTION 3
SCALE: 1/4" = 1'-0"



4 STAIR S-2 SECTION 2
SCALE: 1/4" = 1'-0"



3 STAIR S-2 SECTION
SCALE: 1/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

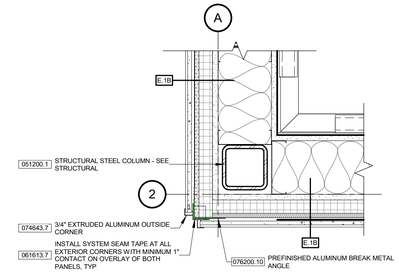
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

STAIR S-2 PLANS & SECTIONS

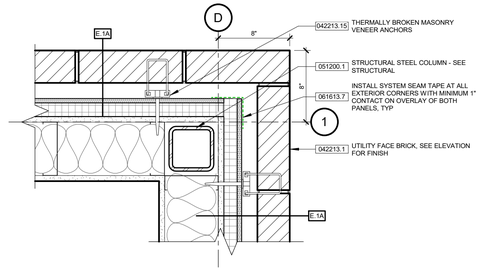
A421

4/21/2026 4:43:15 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



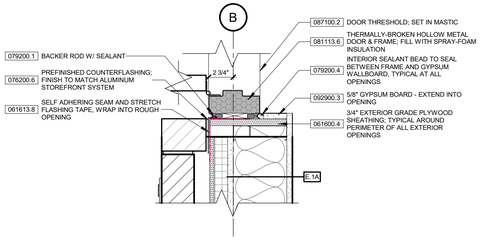
14 OUTSIDE CONER DETAIL - LP SIDING

SCALE: 1 1/2" = 1'-0"



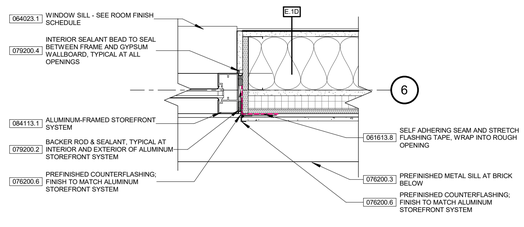
13 OUTSIDE CORNER DETAIL - BRICK

SCALE: 1 1/2" = 1'-0"



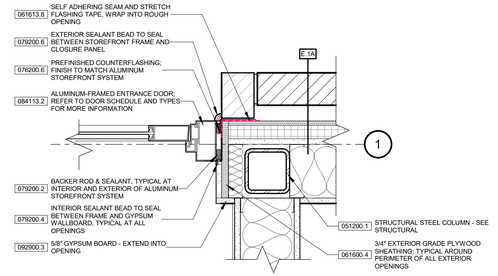
12 HM DOOR JAMB DETAIL - BRICK PLAN

SCALE: 1 1/2" = 1'-0"



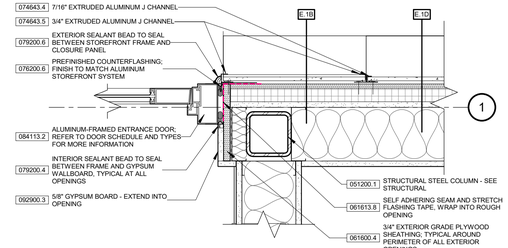
11 LP PANEL AT STOREFRONT JAMB PLAN DETAIL

SCALE: 1 1/2" = 1'-0"



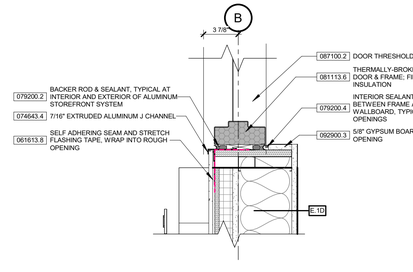
10 STOREFRONT DOOR JAMB AT BRICK PLAN DETAIL

SCALE: 1 1/2" = 1'-0"



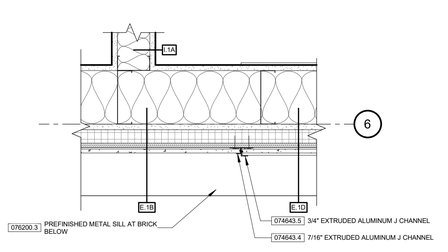
9 SF DOOR JAMB TO LAP SIDING PLAN DETAIL

SCALE: 1 1/2" = 1'-0"



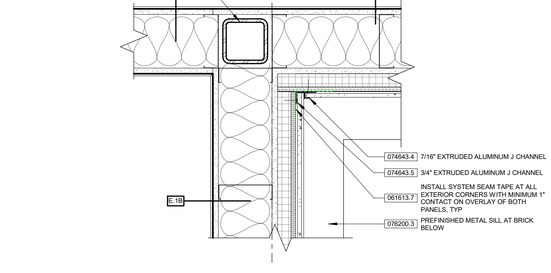
8 HM DOOR JAMB DETAIL - LP SIDING

SCALE: 1 1/2" = 1'-0"



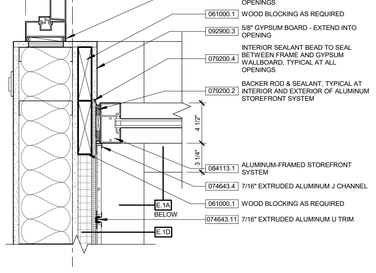
7 LP SIDING TO LP PANEL DETAIL

SCALE: 1 1/2" = 1'-0"



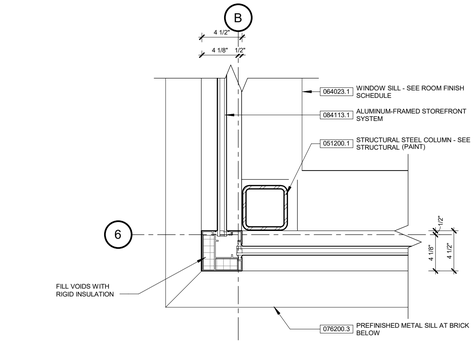
6 INSIDE CORNER DETAIL - LP PANEL TO LP SIDING

SCALE: 1 1/2" = 1'-0"



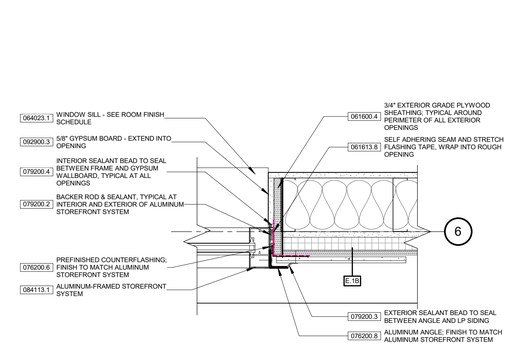
5 LP SIDING AT VESTIBULE

SCALE: 1 1/2" = 1'-0"



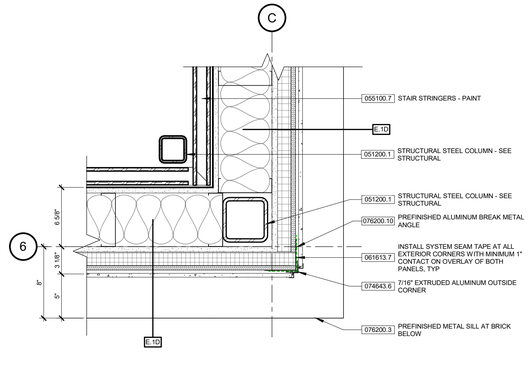
4 OUTSIDE CORNER DETAIL - STOREFRONT

SCALE: 1 1/2" = 1'-0"



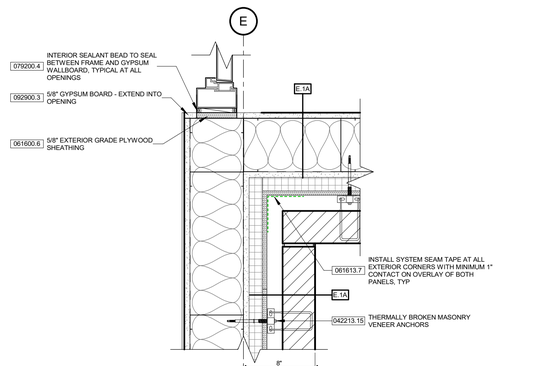
3 SF JAMB AT LP SIDING DETAIL

SCALE: 1 1/2" = 1'-0"



2 OUTSIDE CORNER DETAIL - LP PANEL

SCALE: 1 1/2" = 1'-0"



1 STOREFRONT JAMB AT BRICK PLAN DETAIL

SCALE: 1 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

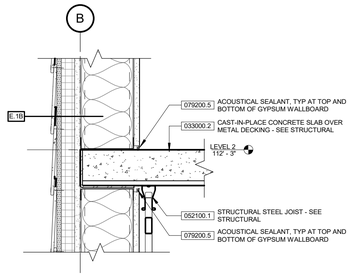
REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

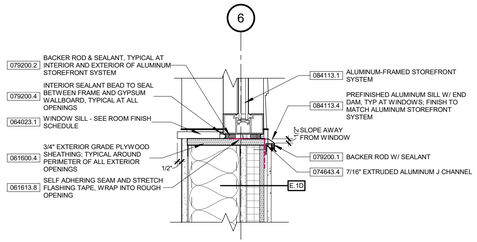
PROJECT NUMBER
25079

PLAN DETAILS
A500

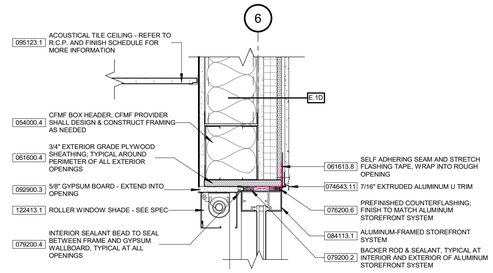
4/21/2026 4:43:18 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



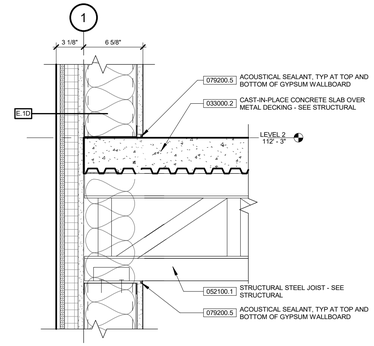
13 LAP SIDING AT LEVEL 2 SLAB EDGE
SCALE: 1 1/2" = 1'-0"



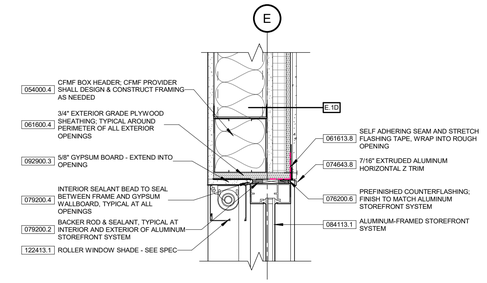
12 STOREFRONT SILL AT PANEL SIDING DETAIL
SCALE: 1 1/2" = 1'-0"



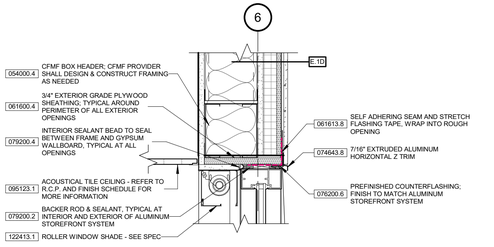
11 STOREFRONT HEAD AT PANEL SIDING DETAIL
SCALE: 1 1/2" = 1'-0"



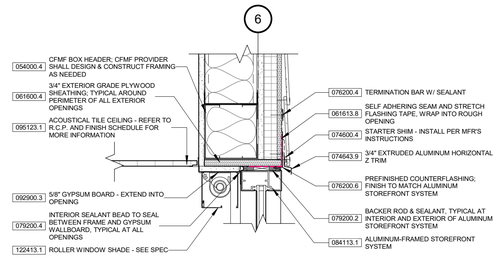
10 PANEL SIDING AT LEVEL 2 SLAB DETAIL
SCALE: 1 1/2" = 1'-0"



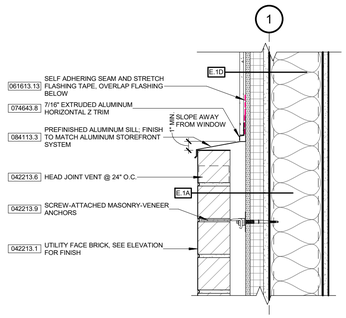
9 ENTRY STOREFRONT HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



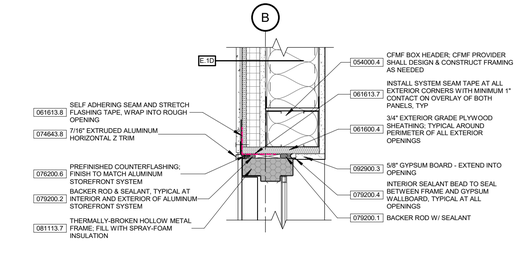
8 STOREFRONT HEAD AT PANEL SIDING DETAIL
SCALE: 1 1/2" = 1'-0"



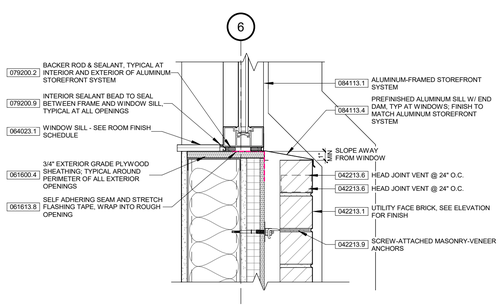
7 STOREFRONT HEAD AT LAP SIDING DETAIL
SCALE: 1 1/2" = 1'-0"



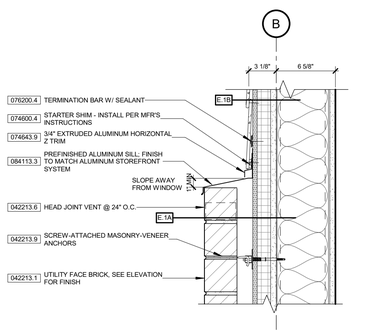
6 PANEL SIDING AT BRICK SILL DETAIL
SCALE: 1 1/2" = 1'-0"



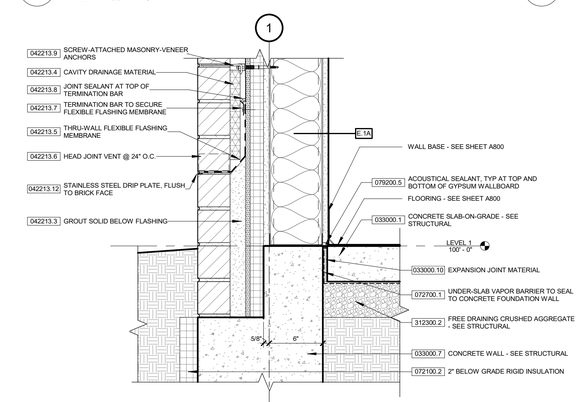
5 HM TRANSOM HEAD AT PANEL SIDING DETAIL
SCALE: 1 1/2" = 1'-0"



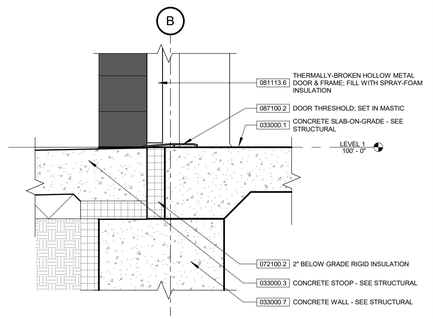
4 STOREFRONT AT BRICK SILL DETAIL
SCALE: 1 1/2" = 1'-0"



3 LAP SIDING AT BRICK SILL DETAIL
SCALE: 1 1/2" = 1'-0"



2 TYP FDN DETAIL
SCALE: 1 1/2" = 1'-0"



1 HM DOOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

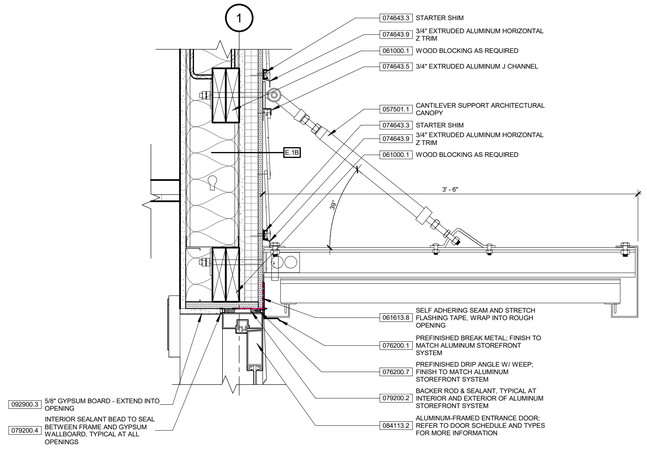
REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

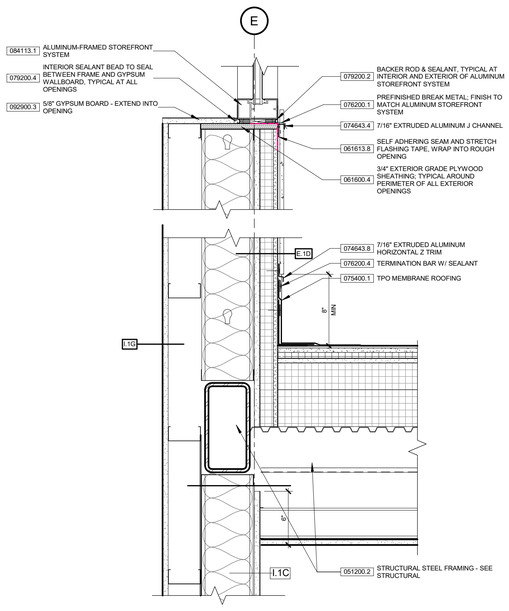
PROJECT NUMBER
25079

SECTION DETAILS
A510

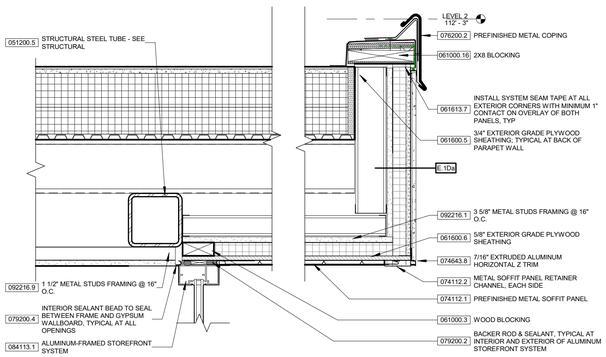
4/21/2026 4:43:21 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



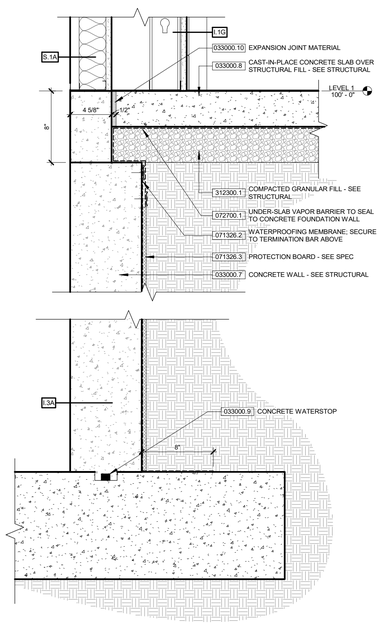
5 CANOPY CONNECTION
SCALE: 1 1/2" = 1'-0"



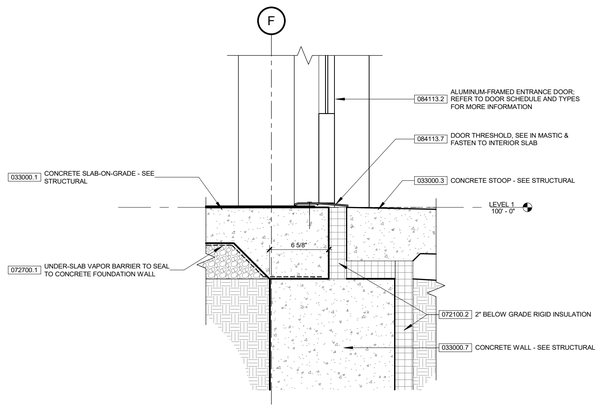
4 LOWER CANOPY AT WALL
SCALE: 1 1/2" = 1'-0"



3 LOW CANOPY FASCIA DETAIL
SCALE: 1 1/2" = 1'-0"



2 ELEVATOR PIT WALL DETAIL
SCALE: 1 1/2" = 1'-0"



1 STOREFRONT DOOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

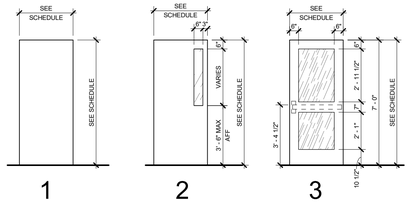
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

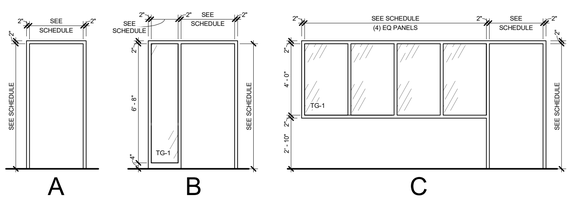
SECTION DETAILS
A511

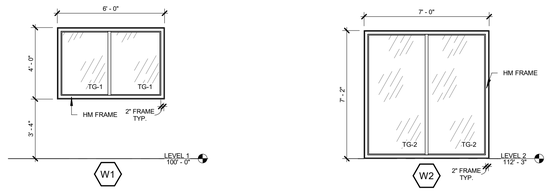
4/21/2026 4:43:22 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

DOOR PANEL TYPES



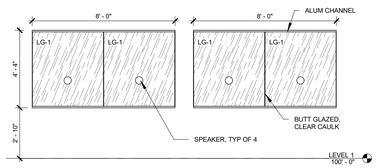
DOOR FRAME TYPES





W1 - RECEPTION 128 & COFFEE 230

W2 - OFFICE 228



RECEPTION WINDOWS

GENERAL NOTES: DOOR AND FRAME NOTES

1. ALL DOOR AND FRAME DIMENSIONS TO BE VERIFIED BEFORE FABRICATION
2. ALL HOLLOW METAL DOORS AND FRAMES ARE TO BE GALVANIZED, PRIMED AND PAINTED. SEE SPEC.
3. GROUT ALL HOLLOW METAL FRAMES SOLID WITH PORTLAND CEMENT BASED MORTAR.
4. ALL FRAMES WIDER THAN 44" TO HAVE HEAD STIFFENERS.
5. BID ALL GLAZING AS DIMENSIONED. IF AREAS EXCEED CODE FOR ALLOWABLE AREAS, ASSUME FIRE GLAZING WILL BE REQUIRED.
6. VERIFY ALL ITEMS ON SCHEDULE WITH FLOOR PLAN. FLOOR PLAN PREVAILS FOR DOOR SWING, FRAME TYPE AND DIMENSIONAL INFORMATION.
7. GENERAL CONTRACTOR TO COORDINATE MEETING BETWEEN ARCHITECT/OWNER AND DOOR VENDOR TO ESTABLISH KEY SCHEDULE INFORMATION.
8. CONTRACTOR TO REVIEW ADA ACTUATOR LOCATIONS WITH OWNER & ARCHITECT BEFORE INSTALLATION.
9. HOLLOW METAL FRAME THROAT DEPTH TO MATCH WALL THICKNESS AT ALL METAL-FRAMED STUD WALLS. REFER TO FLOOR PLAN AND WALL TYPES FOR LOCATIONS, WALL TYPES AND WALL THICKNESSES. CONTRACTOR TO VERIFY FRAME DEPTH AT ALL LOCATIONS.
10. DOOR OPENINGS SHALL BE INSTALLED SUCH THAT THE EDGE OF THE HINGE JAMB IS 4" AWAY FROM THE ADJACENT PERPENDICULAR WALL IN CMU ASSEMBLIES AND GYP BD. WALL ASSEMBLIES TYPICAL, UNLESS NOTED OTHERWISE.

DOOR HARDWARE NOTES

1. PASSAGE
2. OFFICE LOCK
3. STOREROOM LOCK
4. CLASSROOM LOCK
5. PRIVACY LOCK
6. DOOR POSITION SWITCH
7. LATCH BOLT MONITOR
8. CARD READER
9. CLOSER
10. AUTOMATIC OPERATOR
11. KEY ENTRY OVERRIDE
12. PUSH/ PULL

GLASS TYPE LEGEND

TG-1 1/4" TEMPERED GLASS, TYPICAL AT ALL INTERIOR DOORS AND FRAMES, U.N.O.

TG-2 1/2" TEMPERED GLASS

LG-1 LAMINATED GLASS

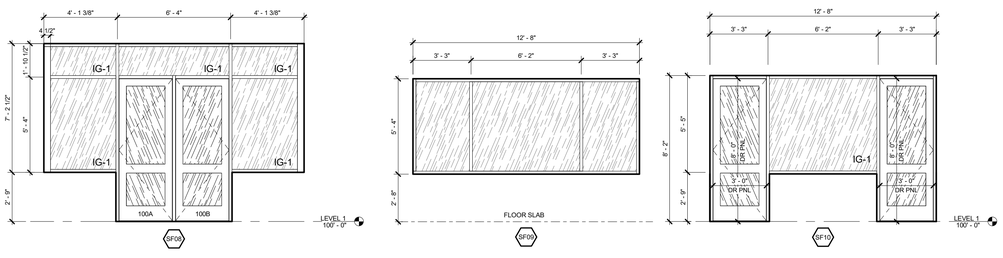
IG-1 TRANSPARENT INSULATED GLASS, TYPICAL AT ALL EXTERIOR WINDOWS AND DOORS, U.N.O.

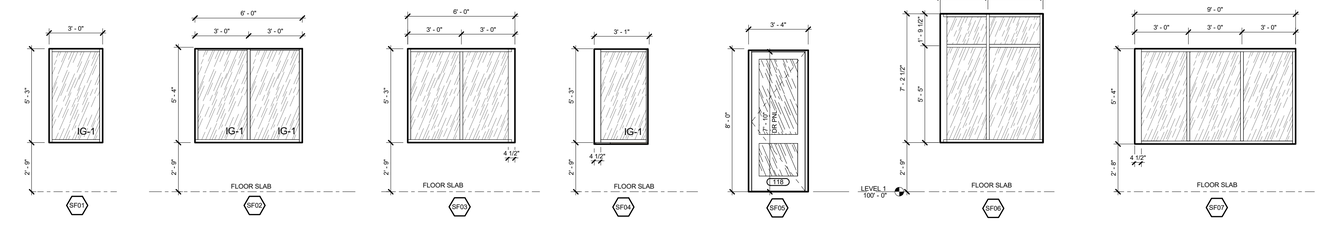
EXTERIOR DOOR SCHEDULE

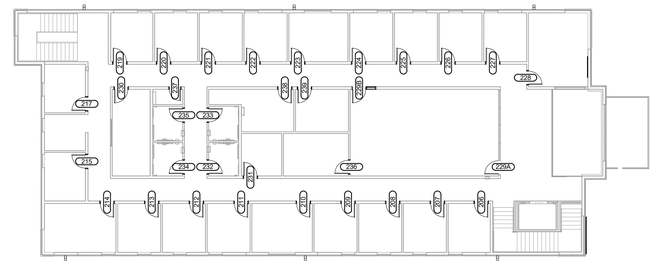
	DOOR					FRAME					
	SIZE					SIZE					
DOOR #	WD	HT	TH	TYPE	MATL	SIDELIGHT WIDTH	DEPTH	TYPE	MATL	FIRE RATING	NOTES
100A	3' - 0"	8' - 0"	1 3/4"	3	ALUM			SF08	ALUM		6, 7, 8, 10, 11
100B	3' - 0"	8' - 0"	1 3/4"	3	ALUM			SF08	ALUM		6, 7, 8, 10, 11
117	3' - 0"	7' - 10"	1 3/4"	1	HM		5 3/4"	A	HM		3, 5, 6, 8
118	3' - 0"	7' - 10"	1 3/4"	3	ALUM			SF05	ALUM		6, 7, 8, 9, 11

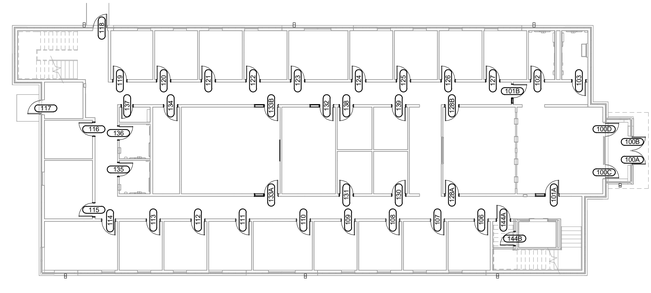
INTERIOR DOOR SCHEDULE

	DOOR					FRAME					
	SIZE					SIZE					
DOOR #	WD	HT	TH	TYPE	MATL	SIDELIGHT WIDTH	DEPTH	TYPE	MATL	FIRE RATING	NOTES
100C	3' - 0"	8' - 0"	1 3/4"	3	ALUM			SF10	ALUM		10, 12
100D	3' - 0"	8' - 0"	1 3/4"	3	ALUM			SF10	ALUM		10, 12
101A	3' - 0"	7' - 0"	1 3/4"	1	WD	2' - 0"	8"	B	HM		3, 6, 8, 9
101B	3' - 0"	7' - 0"	1 3/4"	1	WD	1' - 0"	5 3/4"	B	HM		3, 6, 8, 9
102	3' - 0"	7' - 0"	1 3/4"	1	WD		8"	A	HM		5, 9
103	3' - 0"	7' - 0"	1 3/4"	1	WD		8"	A	HM		5, 9
106	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
107	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
108	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
109	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
110	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
111	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
112	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
113	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
114	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
115	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
116	3' - 0"	7' - 0"	1 3/4"	1	HM		8"	A	HM		3
119	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
120	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
121	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
122	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
123	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
124	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
125	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
126	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
127	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
128A	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
128B	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
130	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		1
131	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		1
132	3' - 0"	7' - 0"	1 3/4"	1	WD	2' - 0"	8"	B	HM		1
133A	3' - 0"	7' - 0"	1 3/4"	1	WD	2' - 0"	8"	B	HM		1
133B	3' - 0"	7' - 0"	1 3/4"	1	WD	2' - 0"	8"	B	HM		1
134	3' - 0"	7' - 0"	1 3/4"	1	HM		8"	A	HM		3 ,6, 7, 9
135	3' - 0"	7' - 0"	1 3/4"	1	WD		5 3/4"	A	HM		5, 9
136	3' - 0"	7' - 0"	1 3/4"	1	WD		5 3/4"	A	HM		5, 9
137	2' - 6"	7' - 0"	1 3/4"	1	HM		8"	A	HM		3
138	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		1
139	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		1
144A	3' - 0"	7' - 0"	1 3/4"	1	HM		8"	A	HM	45 MIN	3
144B	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	A	HM	45 MIN	3
206	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
207	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
208	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
209	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
210	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
211	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
212	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
213	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
214	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
215	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
217	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
219	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
220	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
221	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
222	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
223	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
224	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
225	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
226	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
227	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		2
228	3' - 0"	7' - 0"	1 3/4"	2	WD		5 3/4"	A	HM		2
229A	3' - 0"	7' - 0"	1 3/4"	1	WD			C	HM		1
229B	3' - 0"	7' - 0"	1 3/4"	1	WD	2' - 0"	8"	B	HM		1
230	3' - 0"	7' - 0"	1 3/4"	2	WD		8"	A	HM		1
231	3' - 0"	7' - 0"	1 3/4"	1	HM		8"	A	HM		3
232	3' - 0"	7' - 0"	1 3/4"	1	WD		5 3/4"	A	HM		5, 9
233	3' - 0"	7' - 0"	1 3/4"	1	WD		5 3/4"	A	HM		5, 9
234	3' - 0"	7' - 0"	1 3/4"	1	WD		5 3/4"	A	HM		5, 9
235	3' - 0"	7' - 0"	1 3/4"	1	WD		5 3/4"	A	HM		5, 9
236	3' - 0"	7' - 0"	1 3/4"	1	WD		5 3/4"	A	HM		1
237	2' - 6"	7' - 0"	1 3/4"	1	HM		8"	A	HM		3
238	3' - 0"	7' - 0"	1 3/4"	1	HM		8"	A	HM		3
239	3' - 0"	7' - 0"	1 3/4"	1	WD		8"	A	HM		3









SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

© 2026

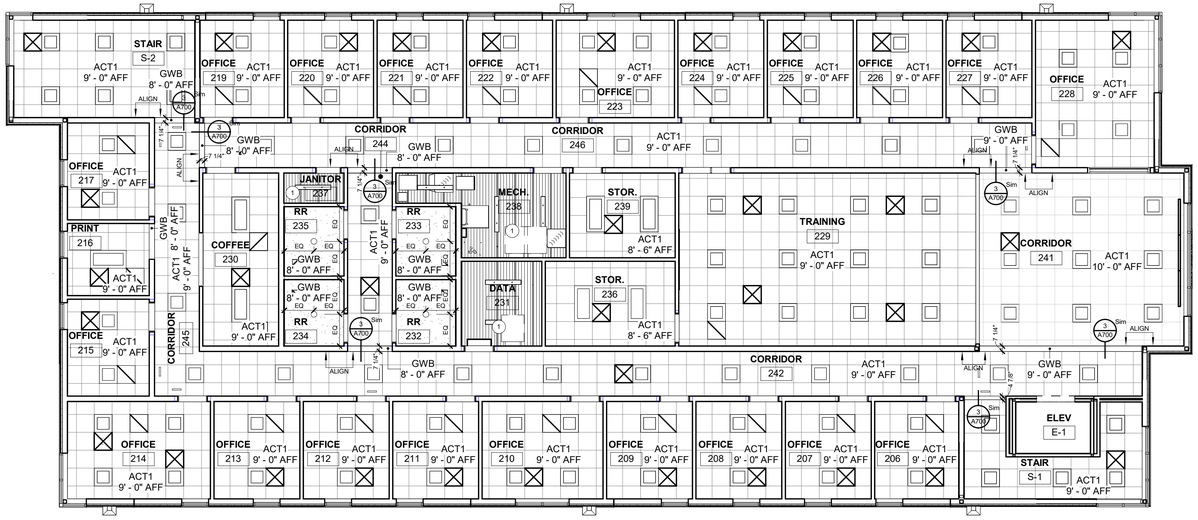
PROJECT NUMBER
25079

DOOR SCHEDULE AND TYPES

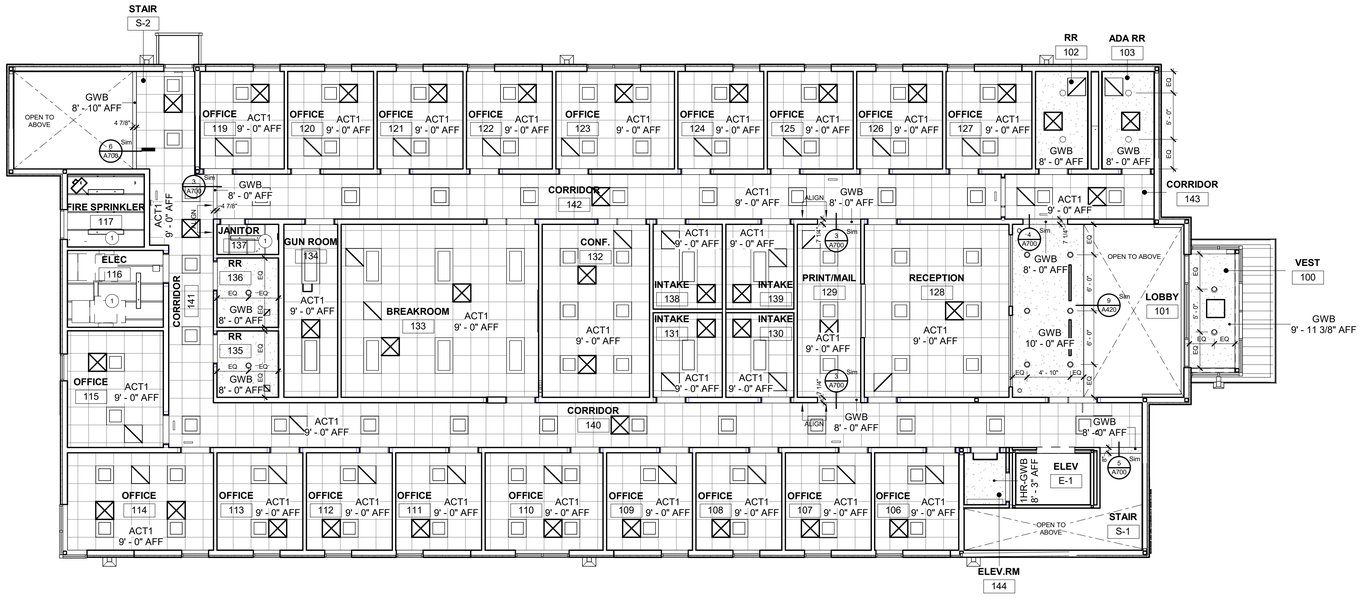
A600

4/21/2026 4:43:25 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

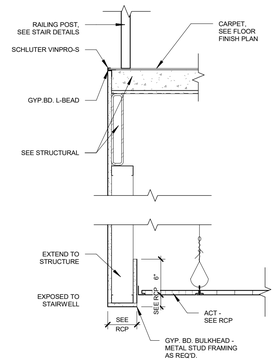
REFLECTED CEILING PLAN NOTES	
1	EXPOSED STRUCTURE



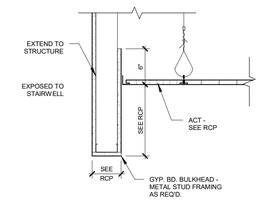
2 LEVEL 2
SCALE: 1/8" = 1'-0"



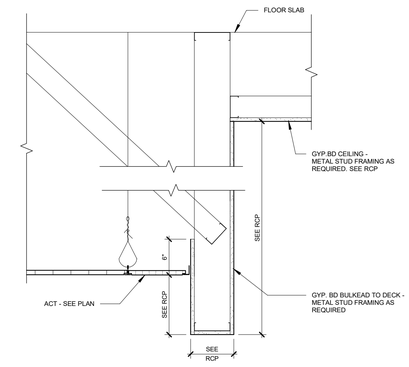
1 LEVEL 1
SCALE: 1/8" = 1'-0"



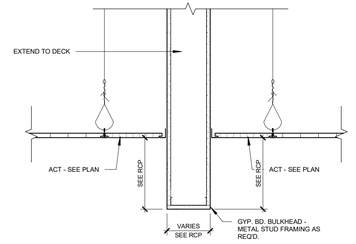
6 CEILING - ACT_GYP_RAILING
SCALE: 1" = 1'-0"



5 CEILING - ACT_GYP_EXPOSED
SCALE: 1" = 1'-0"



4 CEILING - ACT_BULKHEAD_GYP.BD
SCALE: 1" = 1'-0"



3 CEILING - GYP TO DECK_ACT
SCALE: 1" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

REFLECTED CEILING PLAN

A700

4/21/2026 4:43:27 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

GENERAL FINISH NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION AND BEFORE ORDERING MATERIALS. DO NOT SCALE DRAWINGS.
2. REFER TO FLOOR FINISH PLAN FOR MORE INFORMATION ON FLOOR COVERING LOCATIONS, PATTERNS, AND ACCENT WALL LOCATIONS.
3. REFER TO ELEVATIONS FOR MORE INFORMATION ON TILE LOCATIONS, PATTERNS, MILLWORK AND ACCENT WALL PATTERNS.
4. REFER TO REFLECTED CEILING PLAN FOR MORE INFORMATION ON CEILING HEIGHTS, MATERIALS, PATTERNS, AND ACCENTS PAINT LOCATIONS.
5. EPOXY PAINT TO BE USED IN RESTROOMS, UNLESS NOTED OTHERWISE.
6. ALL GYPSUM BOARD CEILINGS TO BE PAINTED CEILING WHITE, UNLESS NOTED OTHERWISE.
7. PROVIDE METAL SCHLUTER TRANSITION STRIPS AT ALL TILE TRANSITIONS. VERIFY WITH DESIGNER.
8. ALL OTHER TRANSITION STRIPS TO BE SUBMITTED FOR APPROVAL BY DESIGNER.
9. 4'H FIBERGLASS-REINFORCED PANELS BEHIND MOP SINK AND ALONG ADJACENT WALL(S).
10. ALL INTERIOR HOLLOW METAL DOORS AND FRAMES TO BE PAINTED PNT4, SEE DOOR SCHEDULE.
11. ALL STAIR RAILINGS AND STRINGERS TO BE PAINTED PNT4.

INTERIOR ELEVATION NOTES

1	PT1 WALL TILE, SEE ELEVATION FOR HEIGHT
2	PNT2 ACCENT WALL
3	PNT3 ACCENT WALL
4	SS2, SOLID SURFACE WINDOW SILL
5	ROLLER SHADE, SEE SPEC.
6	EPOXY PAINT
7	MOTORIZED ROLLER SHADE. SEE SPEC.
8	FULL HEIGHT CORNER GUARD, SEE SPEC.
9	STAIR TREAD/RISER/LANDING TO BE CPT3 W/ RUBBER NOSING, SEE SPEC.
10	STAIR TREAD/LANDING TO BE PT1 W/ METAL NOSING. RISER TO BE PAINTED PNT 4.

ROOM NAME — (ROOM NAME)
ROOM NUMBER — #
FLOOR FINISH — CPT#
BASE FINISH — RB#
WALL FINISH — PNT#
FLOOR FINISH TAG

CARPET

CPT1
MANUFACTURER: TARKETT
STYLE: UNIQUE CONNECTION
STYLE NUMBER: 11895
SIZE: 24" X 24"
COLOR: PATHWAY 72109
INSTALLATION: VERTICAL ASHLAR
LOCATION: SEE FLOOR FINISH PLAN

CPT2
MANUFACTURER: TARKETT
STYLE: INTERLACED GROWTH
STYLE NUMBER: 11897
SIZE: 24" X 24"
COLOR: PATHWAY 72109
INSTALLATION: VERTICAL ASHLAR
LOCATION: SEE FLOOR FINISH PLAN

LUXURY VINYL TILE

LVT1
MANUFACTURER: PATCRAFT
STYLE: TREELINE 5MM
STYLE NUMBER: I721V
SIZE: 7" X 48"
COLOR: CAMEL-V2 00713
FINISH: 20 MIL WEAR LAYER
INSTALLATION: STAGGER
LOCATION: SEE FLOOR FINISH PLAN

LVT2
MANUFACTURER: INTERFACE
STYLE: TEXTURED STONES
STYLE NUMBER: A003
SIZE: 50CM X 50CM X 4.5MM
COLOR: POLISHED CEMENT A00301
FINISH: 22 MIL WEAR LAYER
INSTALLATION: ASHLAR
LOCATION: SEE FLOOR FINISH PLAN

WALK OFF CARPET

WOC1
MANUFACTURER: TARKETT
STYLE: ABRASIVE ACTION II
STYLE NUMBER: 02678
SIZE: 24" X 24"
COLOR: WINTER GRAY 19103
INSTALLATION: MONOLITHIC
LOCATION: SEE FLOOR FINISH PLAN

PORCELAIN TILE

PT1
MANUFACTURER: CERAMIC TILEWORKS - PORTOBELLO AMERICA
STYLE: ADROCK
SIZE: 12" X 24"
COLOR: ESPRESSO
FINISH: MATTE
INSTALLATION: SEE FLOOR FINISH PLAN & ELEVATIONS
LOCATION: SEE FLOOR FINISH PLAN
COMMENTS: GROUT: MAPEI GRAY 5009

PORCELAIN TILE BASE

PTB1
MANUFACTURER: CERAMIC TILEWORKS - PORTOBELLO AMERICA
STYLE: ADROCK
SIZE: 3" X 12" BULLNOSE
COLOR: ESPRESSO
FINISH: MATTE
LOCATION: SEE FLOOR FINISH PLAN
COMMENTS: GROUT: MAPEI GRAY 5009

RESILIENT BASE

RB1
MANUFACTURER: TARKETT
STYLE: TRADITIONAL VINYL BASE
SIZE: 4"H x 120' COILS
COLOR: TBD
LOCATION: SEE FLOOR FINISH PLAN

VINYL COMPOSITE TILE

VCT1
MANUFACTURER: SEE SPEC
STYLE: SEE SPEC
SIZE: 12" X 12"
COLOR: SEE SPEC
LOCATION: SEE FLOOR FINISH PLAN

ACOUSTIC CEILING TILE

ACT1
MANUFACTURER: USG
STYLE: MARS CLIMA PLUS
SIZE: 24" X 24"
COLOR: WHITE
LOCATION: SEE REFLECTED CEILING PLAN
COMMENTS: NRC: .80 MIN. / GRID: 15/16", WHITE

PLASTIC LAMINATE

PLAM1
MANUFACTURER: TBD
STYLE: PREMIUM LAMINATE
SIZE: TBD
COLOR: TBD
FINISH: TBD
LOCATION: SEE ELEVATIONS

PLAM2
MANUFACTURER: WILSONART
STYLE: STANDARD LAMINATE
STYLE NUMBER: 5033-38
COLOR: HANDSPUN PEARL
FINISH: FINE VELVET FINISH
LOCATION: SEE ELEVATIONS

QUARTZ

QTZ1
MANUFACTURER: WILSONART
STYLE NUMBER: Q4043
SIZE: 61" X 126" X 2CM
COLOR: DESERT VIEW
LOCATION: SEE ELEVATIONS

SOLID SURFACE

SS1
MANUFACTURER: WILSONART
STYLE NUMBER: 9223SS
SIZE: 30" X 144"
COLOR: ANGEL FALLS
LOCATION: SEE ELEVATIONS

SS2
MANUFACTURER: CORIAN
SIZE: 30" X 144"
COLOR: CAMEO WHITE
LOCATION: WINDOW SILLS

PAINT

PNT1
MANUFACTURER: SHERWIN WILLIAMS
STYLE: SEE SPEC
STYLE NUMBER: SW 7029
COLOR: AGREEABLE GRAY
FINISH: SEE SPECIFICATION PER APPLICATION
LOCATION: SEE FLOOR FINISH PLAN

PNT2
MANUFACTURER: SHERWIN WILLIAMS
STYLE: SEE SPEC
STYLE NUMBER: SW 7046
COLOR: ANONYMOUS
FINISH: SEE SPECIFICATION PER APPLICATION
LOCATION: SEE FLOOR FINISH PLAN

PNT3
MANUFACTURER: SHERWIN WILLIAMS
STYLE: SEE SPEC
STYLE NUMBER: SW
COLOR: TBD
FINISH: SEE SPECIFICATION PER APPLICATION
LOCATION: SEE ELEVATIONS

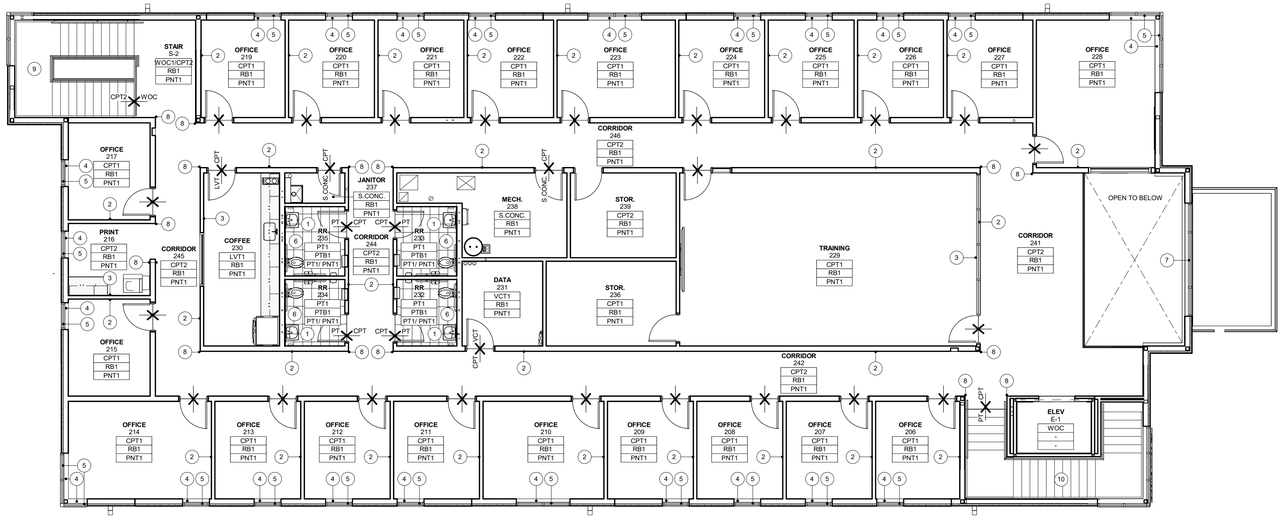
PNT4
MANUFACTURER: SHERWIN WILLIAMS
STYLE: SEE SPEC
STYLE NUMBER: SW 7048
COLOR: URBANE BRONZE
FINISH: SEE SPECIFICATION PER APPLICATION
LOCATION: HOLLOW METAL FRAMES AND DOORS, RAILINGS, ETC. SEE A600

CORNER GUARD

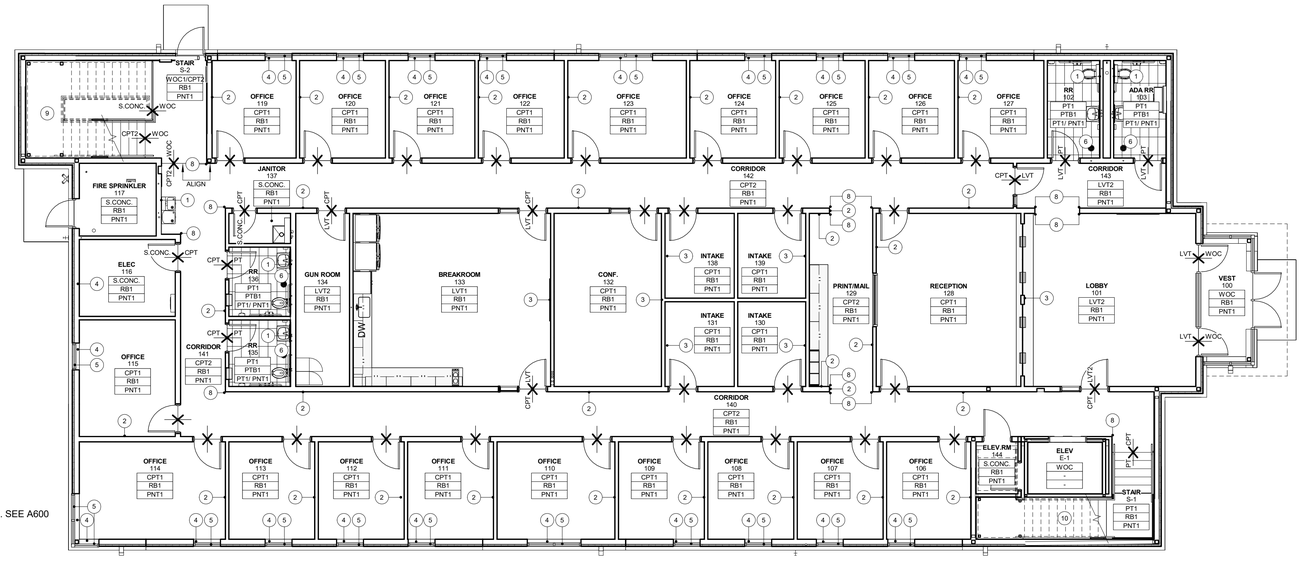
CG1
MANUFACTURER: SEE SPEC
STYLE: SEE SPEC
SIZE: FULL HEIGHT
COLOR: SEE SPEC
LOCATION: SEE FLOOR FINISH PLAN

SEALED CONCRETE

S.CONC.
MANUFACTURER: SEE SPEC
COLOR: SEE SPEC
LOCATION: SEE FLOOR FINISH PLAN



2 LEVEL 2 - FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"



1 LEVEL 1 - FINISH FLOOR PLAN
SCALE: 1/8" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

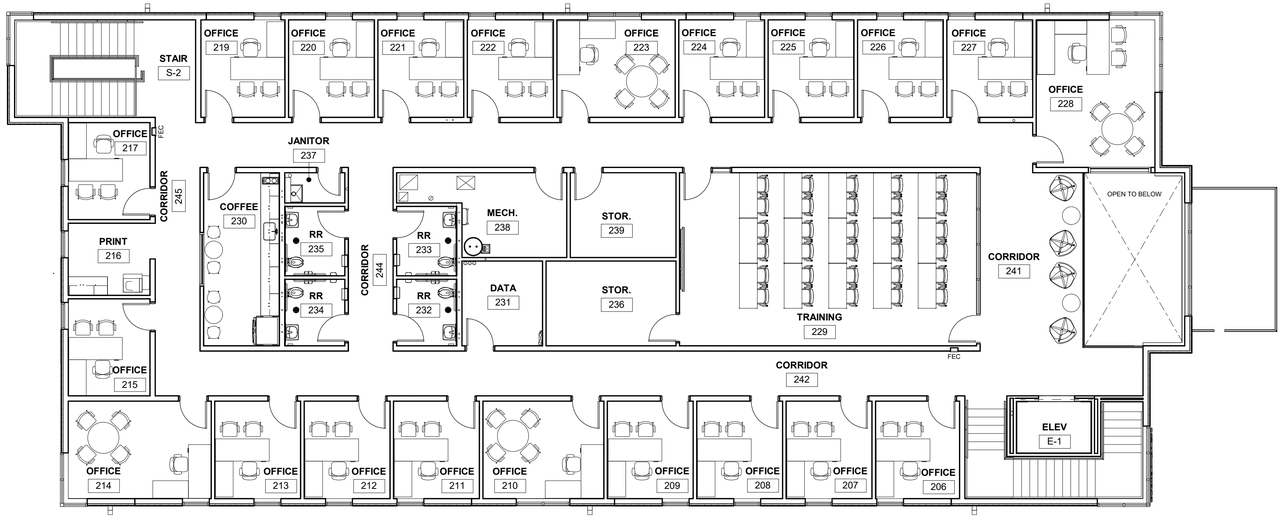
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

FLOOR FINISH PLAN

A800

4/21/2026 4:43:36 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt



2 FURNITURE FLOOR PLAN - LEVEL 2 * FOR REFERENCE ONLY *

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



1 FURNITURE FLOOR PLAN - LEVEL 1 * FOR REFERENCE ONLY *

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

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2026

PROJECT NUMBER
25079

FURNITURE PLAN

A900

4/21/2026 4:43:38 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/25079_Iowa DAS DOC 4JD CBC New Central Office Building_ARCH_R25.rvt

MECHANICAL SYMBOLS

HEATING - VENTILATING - AIR-CONDITIONING SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
XX	AQ - AIR QUALITY SENSOR, AS - ALARM STROBE A - AQUASTAT, CO - CARBON MONOXIDE SENSOR CO/NO2 - CARBON MONOXIDE / NITROGEN DIOXIDE SENSOR, P - DPT PRESSURE SENSOR, NO2 - NITROGEN DIOXIDE SENSOR, NOX - NITROUS OXIDE SENSOR, RD - REFRIGERANT DETECTOR, SL - STROBE LIGHT		RETURN, EXHAUST, OR RELIEF AIR DUCT END OR RISER (RA) (EA) (RLFA)	A	AUTOMATIC DAMPER
XX2	CO2 SENSOR	X / X	RECTANGULAR DUCTWORK (FIRST NUMBER IS THE SIDE SHOWN)	SA	SOUND ATTENUATOR
H	HUMIDISTAT	X Ø	ROUND DUCT		FLEX CONNECTION
S	REMOTE SENSOR	X / X Ø	FLAT OVAL (FIRST NUMBER IS THE SIDE SHOWN)	SIZE TYPE CFM	SUPPLY REGISTER OR GRILLE
T T	THERMOSTAT		VOLUME DAMPER	SIZE TYPE CFM	RETURN REGISTER OR GRILLE
TRS	THERMOSTAT WITH REMOTE SENSOR	M	MOTORIZED DAMPER	X X X	TYP DIFFUSER — NECK SIZE, MARK, CFM
	HEATING RISER				
OR	BREAK / CONTINUATION				
AD	ACCESS DOOR - SIZE AS SHOWN OR PER SPEC	FRD	FIRE DAMPER WITH ACCESS DOOR	X X X	TYP EXHAUST/RETURN GRILLE — NECK SIZE, MARK, CFM
	ELBOW WITH TURNING VANES	FSD M	COMBINATION FIRE AND SMOKE DAMPER WITH ACCESS DOOR		NEW TO EXISTING CONNECTION
	SUPPLY, OUTDOOR, OR MIXED AIR DUCT END OR RISER (SA) (OA) (MA)	SD M	SMOKE DAMPER WITH ACCESS DOOR		POINT OF DISCONNECT

SUPPLEMENTAL SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	XXX				

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS AND ABBREVIATIONS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	STANDARD SPECIFICATIONS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS
AUX	AUXILIARY
AV	ACID VENT
AVG	AVERAGE
AW	ACID WASTE
AWG	AMERICAN WIRE GAUGE
BMCS	BUILDING MANAGEMENT CONTROL SYSTEM
BFP	DOUBLE CHECK BACKFLOW PREVENTER
BLDG	BUILDING
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CPVC	CHLORINATED POLYVINYL CHLORIDE
CRAC	COMPUTER ROOM AIR CONDITIONER
CV	CONSTANT VOLUME
DDCV	DOUBLE DETECTOR CHECK VALVE ASSEMBLY BACKFLOW PREVENTER
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DPAC	DRY PIPE AIR COMPRESSOR
DPS	DOOR POSITION SWITCH
DPV	DRY PIPE VALVE
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EHC	ELECTRIC HEATING COIL
EL	ELEVATION
ELEC	ELECTRICAL
EMS	ENERGY MANAGEMENT SYSTEM
EOA	ECONOMIZER OUTDOOR AIR
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
EXH	EXHAUST
EXIST	EXISTING
F	FIRE WATER
FA	FIRE ALARM
FCO	FLOOR CLEAN OUT
FDC	FIRE DEPARTMENT CONNECTION
FHC	FIRE HOSE CABINET
FHV	FIRE HOSE VALVE
FL	FLOOR
FT	FEET
FW	FILTERED WATER
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GPM	GALLONS PER MINUTE
GW	GARAGE WASTE
HGT	HEIGHT
HP	HORSEPOWER
HTG	HEATING
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ, HIGH ZONE WET STANDPIPE
IE	INVERT ELEVATION
IP	INTERNET PROTOCOL
KW	KILOWATT
LBS	POUNDS
LZ	LOW ZONE WET STANDPIPE
MA	MIXED AIR
MAX	MAXIMUM
MBH	1000 BTU/HOUR
MECH	MECHANICAL
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOA	MINIMUM OUTDOOR AIR
MTD	MOUNTED
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OC	ON CENTER
PERP	PERPENDICULAR
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PNL	PANEL
PS	PLASTER SINK
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PWR	POWER
RA	RETURN AIR
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL
RH	RELATIVE HUMIDITY
RLFA	RELIEF AIR
RM	ROOM
RO	REVERSE OSMOSIS WATER
RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
SA	SUPPLY AIR
SAN	SANITARY
SCHD	SCHEDULE
SCW	SOFT COLD WATER
SHW	SOFT HOT WATER
SIM	SIMILAR
SM	SPRINKLER MAIN
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
VA	VOLT-AMPS
VERT	VERTICAL
VFC	VARIABLE FREQUENCY CONTROL
VTR	VENT THROUGH ROOF
W	WATT
WG	WATER GAUGE
WP	WEATHERPROOF
XFMR	TRANSFORMER

MECHANICAL SYMBOLS

MECHANICAL PIPING SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	AUTOMATIC CONTROL VALVE, 2-WAY	BFP	BACKFLOW PREVENTER		ARROW INDICATED FLOW DIRECTION
	AUTOMATIC CONTROL VALVE, 3-WAY		SIGHT GLASS		CONCENTRIC REDUCER
	BALANCING VALVE		PRESSURE GAUGE WITH GAUGE COCK		ECCENTRIC REDUCER INVERT
	ISOLATION VALVE (BALL OR BUTTERFLY)	P T	PRESSURE OR TEMPERATURE MEASURING POINTS		ECCENTRIC REDUCER CROWN
	CHECK VALVE (ARROW INDICATED FLOW)	R	PRESSURE RELIEF VALVE		PIPE CONTINUATION
	GLOBE VALVE		FLEXIBLE PIPING		PIPE CAP
	GAS COCK		UNION		VALVE IN VERTICAL PIPE
	MANUAL AIR VENT		PIPE IN SLEEVE	FS	FLOW SWITCH
V	VACUUM BREAKER		PIPE PITCH DOWN	A	AQUASTAT
	PRESSURE REGULATING VALVE (PRV)		SOLENOID VALVE (REFRIG)		THERMOMETER, SIDE FEED
	PRESSURE REDUCING VALVE		THERMOSTATIC EXPANSION VALVE (REFRIG)		IN-LINE PUMP
PTT	PRESSURE / TEMPERATURE TEST PORT	L* W*	EXPANSION LOOP, LENGTH AND WIDTH	#/HR	F AND T TRAP CAP LBS/HR
M	WATER OR GAS METER	FT-1 MBH — FINTUBE -TYPE CAPACITY MBH (SHADED AREA INDICATES ELEMENT LOCATION)		#/HR	BUCKET TRAP CAP LBS/HR
	AUTOMATIC AIR VENT	X X	MECH EQUIPMENT WITH ELEC CONNECTION. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE.		NEW TO EXISTING CONNECTION
	MANUAL AIR VENT WITH ISOLATION VALVE	(E)	DESIGNATES UTILITIES AND EQUIPMENT MARKS WHICH ARE EXISTING		POINT OF DISCONNECT
	STRAINER WITH DRAIN VALVE AND HOSE END		THERMOMETER, BOTTOM FEED		

MECHANICAL PIPING SYSTEMS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CWS	CHILLED WATER SUPPLY	CS	CONDENSER WATER SUPPLY FROM TOWER	FOS	FUEL OIL SUPPLY
CWR	CHILLED WATER RETURN	CR	CONDENSER WATER RETURN TO TOWER	FOR	FUEL OIL RETURN
HWS	HOT WATER SUPPLY	LPR	LOW PRESSURE CONDENSATE RETURN	FOV	FUEL OIL VENT
HWR	HOT WATER RETURN	LPS	LOW PRESSURE STEAM	RL	REFRIGERANT LIQUID
HPWS	HEAT PUMP WATER SUPPLY	MPR	MEDIUM PRESSURE CONDENSATE RETURN	RS	REFRIGERANT SUCTION
HPWR	HEAT PUMP WATER RETURN	MPS	MEDIUM PRESSURE STEAM	RD	REFRIGERANT HOT GAS DISCHARGE
GS	GLYCOL SUPPLY	HPR	HIGH PRESSURE CONDENSATE RETURN	G	NATURAL GAS
GR	GLYCOL RETURN	HPS	HIGH PRESSURE STEAM		
CO	COIL OR EQUIPMENT DRAIN	PC	CONDENSATE OR BOILER FEEDPUMP DISCHARGE		

PIPING GENERAL NOTES:

A. DO NOT RUN PIPING OR EQUIPMENT ABOVE ELECTRICAL OR TELECOMMUNICATION PANELS AND ASSOCIATED EQUIPMENT OR IN CODE REQUIRED CLEARANCE SPACES. COORDINATE ALL ROUTING WORK WITH ALL OTHER TRADES.

B. DO NOT RUN PIPING OR EQUIPMENT ABOVE OR THROUGH INFORMATION TECHNOLOGY AND DATA CLOSETS, IDF, AND MDF ROOMS. COORDINATE ALL ROUTING WITH ALL OTHER TRADES.

C. DRAWINGS, PLANS, SCHEMATICS, AND DIAGRAMS INDICATE THE GENERAL LOCATIONS AND THE ARRANGEMENT OF SYSTEMS. WHEREVER PRACTICAL, INSTALL SYSTEMS AS INDICATED. PROVIDE OFFSETS AND ELEVATION CHANGES TO PIPING, PLUMBING, AND CUTWORK AS REQUIRED TO COMPLETE THE LAYOUT AND COORDINATION PROCESS AS WELL AS MEET ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

D. ALL PIPING INSULATION SHALL MEET THE ENERGY CODES INSTALLED R VALUE REQUIREMENTS.

E. INDICATED SIZES FOR PIPE AND PIPING SPECIALTY CONNECTIONS FOR EQUIPMENT AND COILS ARE INTENDED TO ROUTE TO THE EQUIPMENT CONNECTION POINT. WHEN CONTROL VALVE SIZES ARE SMALLER THAN INDICATED PIPE OR EQUIPMENT CONNECTION SIZE PROVIDE ECCENTRIC REDUCERS ON INLET AND OUTLET OF CONTROL VALVE.

F. SIZE AND ROUTE REFRIGERANT PIPING PER MANUFACTURERS' RECOMMENDATIONS.

G. ROUTE ALL HORIZONTAL HVAC PIPING IN MECHANICAL ROOMS AT A MINIMUM OF 7'-6" ABOVE FINISHED FLOOR.

H. DIELECTRIC NIPPLES OR FLANGE INSULATION KITS SHALL BE UTILIZED FOR ALL DISSIMILAR PIPE CONNECTIONS. DIELECTRIC UNIONS WILL NOT BE ACCEPTED.

MISCELLANEOUS GENERAL NOTES:

A. COORDINATE LOCATION OF DUCTWORK AND PIPING WITH ELECTRICAL CABLE TRAY. PROVIDE A MINIMUM OF 6" OF CLEAR ACCESS ABOVE CABLE TRAY FOR INSTALLATION OF CABLES.

DETAIL NOTE:

A. PROJECT DETAILS ARE PROVIDED ON DESIGNATED DETAIL SHEETS. DETAILS APPLY TO THE ENTIRE PROJECT IN ALL LOCATIONS WHERE DETAILED CONDITION EXISTS AND ARE ONLY REFERENCED TO PROVIDE CLARITY IF NECESSARY.

HVAC GENERAL NOTES:

A. DO NOT RUN DUCTWORK, PIPING, OR EQUIPMENT ABOVE ELECTRICAL OR TELECOMMUNICATION PANELS AND ASSOCIATED EQUIPMENT OR IN CODE-REQUIRED CLEARANCE SPACES. COORDINATE ALL ROUTING WORK WITH ALL OTHER TRADES.

B. DO NOT RUN DUCTWORK, PIPING, OR EQUIPMENT ABOVE OR THROUGH INFORMATION TECHNOLOGY AND DATA CLOSETS, IDF, AND MDF ROOMS. COORDINATE ALL ROUTING WITH OTHER TRADES.

C. DRAWINGS, PLANS, SCHEMATICS, AND DIAGRAMS INDICATE THE GENERAL LOCATIONS AND THE ARRANGEMENT OF SYSTEMS. WHEREVER PRACTICAL, INSTALL SYSTEMS AS INDICATED. PROVIDE OFFSETS AND ELEVATION CHANGES TO DUCTWORK, PIPING, AND PLUMBING AS REQUIRED TO COMPLETE THE LAYOUT AND COORDINATION PROCESS AS WELL AS MEET ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

D. SEE ARCHITECTURAL-REFLECTED CEILING PLANS FOR DIFFUSER, REGISTER, GRILLE, AND CEILING-MOUNTED DEVICE LOCATIONS.

E. CONTRACTOR SHALL COORDINATE LOCATION OF DUCTWORK IN CEILING SPACE WITH ALL TRADES PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK.

F. FOR GENERAL DUCTWORK CONSTRUCTION, SEE DUCT FITTING DETAILS.

G. DUCTWORK AND EQUIPMENT SHOWN WITH THIN LINES INDICATES EXISTING TO REMAIN. DUCTWORK AND EQUIPMENT SHOWN WITH BOLD LINES INDICATES NEW.

H. PROVIDE VOLUME DAMPER IN ALL BRANCH TAKEOFFS CONNECTING TO DIFFUSERS, REGISTERS, OR GRILLES AND IN LOCATIONS INDICATED.

I. PROVIDE REMOTE VOLUME DAMPER BALANCING POSITION CONTROL FOR ALL VOLUME DAMPERS MOUNTED ABOVE NON-ACCESSIBLE CEILINGS.

J. PROVIDE CLEARANCES TO ALL EQUIPMENT AS REQUIRED BY MANUFACTURERS' INSTALLATION AND OPERATION REQUIREMENTS AND/OR BY CODE.

K. INSTALL ALL DUCT AND PIPING IN MECHANICAL ROOMS AS HIGH AS POSSIBLE. PROVIDE 7'-6" MINIMUM HIGH ACCESS PATHWAYS TO ALL EQUIPMENT.

L. COORDINATE LOCATIONS OF ALL EQUIPMENT HOUSEKEEPING PADS WITH GENERAL CONTRACTOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF EQUIPMENT HOUSEKEEPING PADS.

M. CAP ENDS OF ALL INSTALLED DUCTWORK DURING CONSTRUCTION TO MINIMIZE DIRT, DEBRIS, AND FOREIGN OBJECTS FROM ENTERING THE DUCT SYSTEM.

N. COORDINATE SCHEDULE OF SHUTDOWN FOR EXISTING HVAC SYSTEMS, FOR INSTALLATION OF NEW HVAC SYSTEMS, WITH THE OWNER'S REPRESENTATIVE PRIOR TO SHUT DOWN.

O. COORDINATE LOCATION OF DUCTWORK WITH ELECTRICAL CABLE TRAYS.

P. ALL INSULATION SHALL MEET THE ENERGY CODE'S INSTALLED R VALUE REQUIREMENTS.

SITE UTILITY PLAN GENERAL NOTES:

A. VERIFY EXACT LOCATION OF EXISTING UTILITIES IN THE FIELD PRIOR TO EXCAVATION. REPORT DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL CONDITIONS PRIOR TO PROCEEDING WITH WORK.

B. ANY UTILITY SHUTDOWN SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER PRIOR TO SHUT DOWN.

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

MECHANICAL SYMBOLS AND ABBREVIATIONS

M000

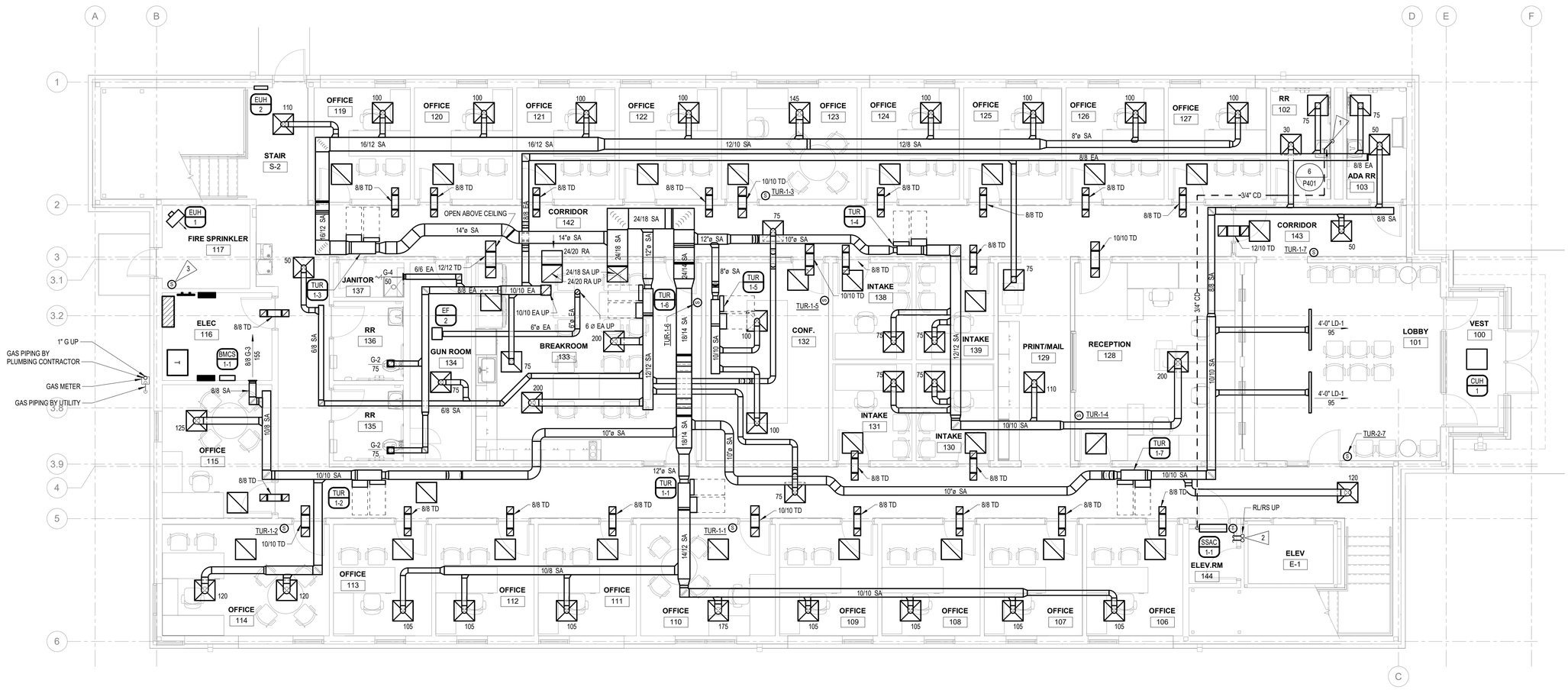
4/21/2026 11:13:05 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. RESTROOMS AND SOME OTHER SPACES HAVE HARD CEILINGS AND SHALL BE PROVIDED WITH REMOTE DAMPER BALANCING SYSTEMS FOR DIFFUSERS IN SPACE AS NOTED IN SPECIFICATIONS. REMOTE ACCESS SHALL BE AT NEAREST ADJACENT SPACE WITH ACCESSIBLE CEILING. NO ACCESS PANELS SHALL BE INSTALLED IN HARD CEILINGS UNLESS APPROVED BY ARCHITECTURAL.

FLAG NOTES

1. TERMINATE SLOPED CONDENSATE LINE AT TRAP OF SINK BELOW, REFER TO PLUMBING PLANS.
2. SIZE AND ROUTE SPLIT SYSTEM REFRIGERANT PIPING PER MANUFACTURER INSTRUCTIONS BETWEEN INDOOR AND OUTDOOR UNIT. PIPING TO ROUTE CONCEALED IN ARCHITECTURAL WALL VOID. COORDINATE INSTALLATION WITH ALL TRADES.
3. TEMPERATURE SENSOR SHALL BE CONNECTED TO BMS AND ALARM IF SPACE FALLS BELOW AN ADJUSTABLE TEMPERATURE OF 40 F AND SHALL ALARM.



1 LEVEL 1 - HVAC PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

CEILING SUPPLY AIR DIFFUSER SIZING SCHEDULE

MARK	NECK SIZE	CFM RANGE
D-1	6" Ø	0 - 110
	8" Ø	111-240
	10" Ø	241-420
	12" Ø	421-550
	14" Ø	551-680
	15" Ø	681-785

NOTES:
1. USE 24x24 PANELS FOR ALL LAY-IN CEILINGS.
2. ALL CEILING SUPPLY DIFFUSERS SHALL BE TYPE D-1 EXCEPT AS INDICATED ON THE PLANS.
3. SUPPLY AIR BRANCH DUCT TO DIFFUSER SHALL BE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.

CEILING RETURN/EXHAUST GRILLE SIZING SCHEDULE

MARK	NECK SIZE (INCHES)	CFM RANGE
G-1	8x8	125 - 200
	10x10	201-360
	12x12	361-525
	14x14	526-705
	16x16	706-975
	18x18	976-1150
	22x22	1151-1600
G-2	6x6	0-95

NOTES:
1. ALL CEILING EXHAUST OR RETURN GRILLES SHALL BE G-1 OR G-2 EXCEPT AS INDICATED ON THE PLANS.
2. BRANCH DUCT TO GRILLE SHALL BE GRILLE NECK SIZE OR EQUIVALENT ROUND DUCT UNLESS OTHERWISE INDICATED.
3. G-1 FACE SIZE SHALL BE 24" X 24".
4. USE 22" X 22" NECK SIZE ON G-1 IN PLENUM RETURN SYSTEMS.
5. G-2 FACE SIZE SHALL BE 8" X 8".

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | IOWA | Samuels Group | kpff | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 1 - HVAC PLAN

M100

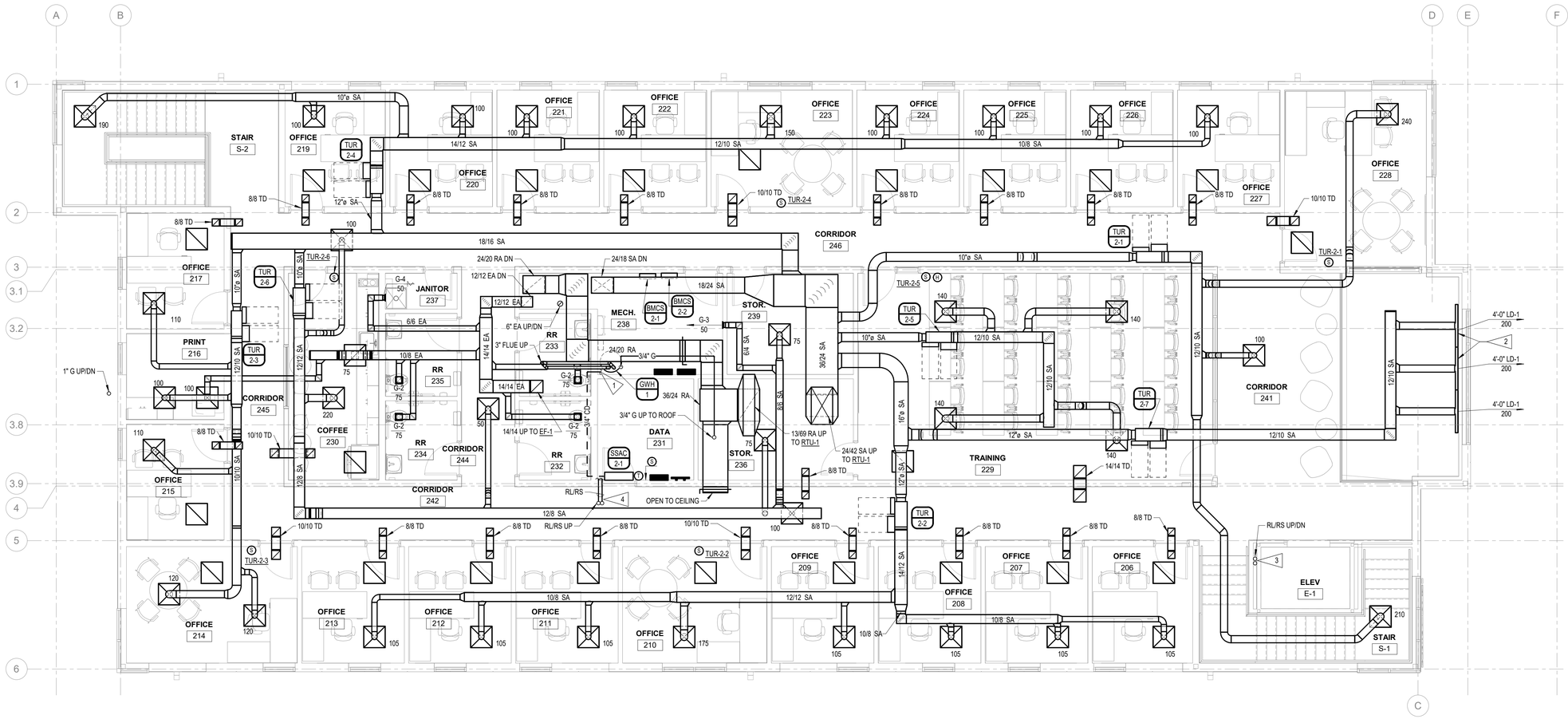
4/21/2026 11:13:10 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. RESTROOMS AND SOME OTHER SPACES HAVE HARD CEILINGS AND SHALL BE PROVIDED WITH REMOTE DAMPER BALANCING SYSTEMS FOR DIFFUSERS IN SPACE AS NOTED IN SPECIFICATIONS. REMOTE ACCESS SHALL BE AT NEAREST ADJACENT SPACE WITH ACCESSIBLE CEILING. NO ACCESS PANELS SHALL BE INSTALLED IN HARD CEILINGS UNLESS APPROVED BY ARCHITECTURAL.

FLAG NOTES

1. TERMINATE CONDENSATE INDIRECTLY AT NEAREST FLOOR DRAIN/SINK IN MECH ROOM.
2. PROVIDE LINEAR SECTIONS WITH ACCESSORIES FOR CONTINUOUS APPEARANCE.
3. SIZE AND ROUTE SPLIT SYSTEM REFRIGERANT PIPING PER MANUFACTURER INSTRUCTIONS BETWEEN INDOOR AND OUTDOOR UNIT. PIPING TO ROUTE CONCEALED IN ARCHITECTURAL WALL VOID. COORDINATE INSTALLATION WITH ALL TRADES.
4. SIZE AND ROUTE SPLIT SYSTEM REFRIGERANT PIPING PER MANUFACTURER INSTRUCTIONS BETWEEN INDOOR AND OUTDOOR UNIT. MINIMIZE EXPOSED PIPING INSIDE DATA ROOM, PIPING TO ROUTE CONCEALED OUTSIDE OF DATA ROOM.



1 LEVEL 2 - HVAC PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

CEILING SUPPLY AIR DIFFUSER SIZING SCHEDULE

MARK	NECK SIZE	CFM RANGE
D-1	6" Ø	0 - 110
	8" Ø	111-240
	10" Ø	241-420
	12" Ø	421-550
	14" Ø	551-680
	15" Ø	681-785

NOTES:
1. USE 24x24 PANELS FOR ALL LAY-IN CEILINGS.
2. ALL CEILING SUPPLY DIFFUSERS SHALL BE TYPE D-1 EXCEPT AS INDICATED ON THE PLANS.
3. SUPPLY AIR BRANCH DUCT TO DIFFUSER SHALL BE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.

CEILING RETURN/EXHAUST GRILLE SIZING SCHEDULE

MARK	NECK SIZE (INCHES)	CFM RANGE
G-1	8x8	125 - 200
	10x10	201-360
	12x12	361-525
	14x14	526-705
	16x16	706-975
	18x18	976-1150
	22x22	1151-1600
G-2	6x6	0-95

NOTES:
1. ALL CEILING EXHAUST OR RETURN GRILLES SHALL BE G-1 OR G-2 EXCEPT AS INDICATED ON THE PLANS.
2. BRANCH DUCT TO GRILLE SHALL BE GRILLE NECK SIZE OR EQUIVALENT ROUND DUCT UNLESS OTHERWISE INDICATED.
3. G-1 FACE SIZE SHALL BE 24" X 24".
4. USE 22" X 22" NECK SIZE ON G-1 IN PLENUM RETURN SYSTEMS.
5. G-2 FACE SIZE SHALL BE 8" X 8".

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309
515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 2 - HVAC PLAN

M110

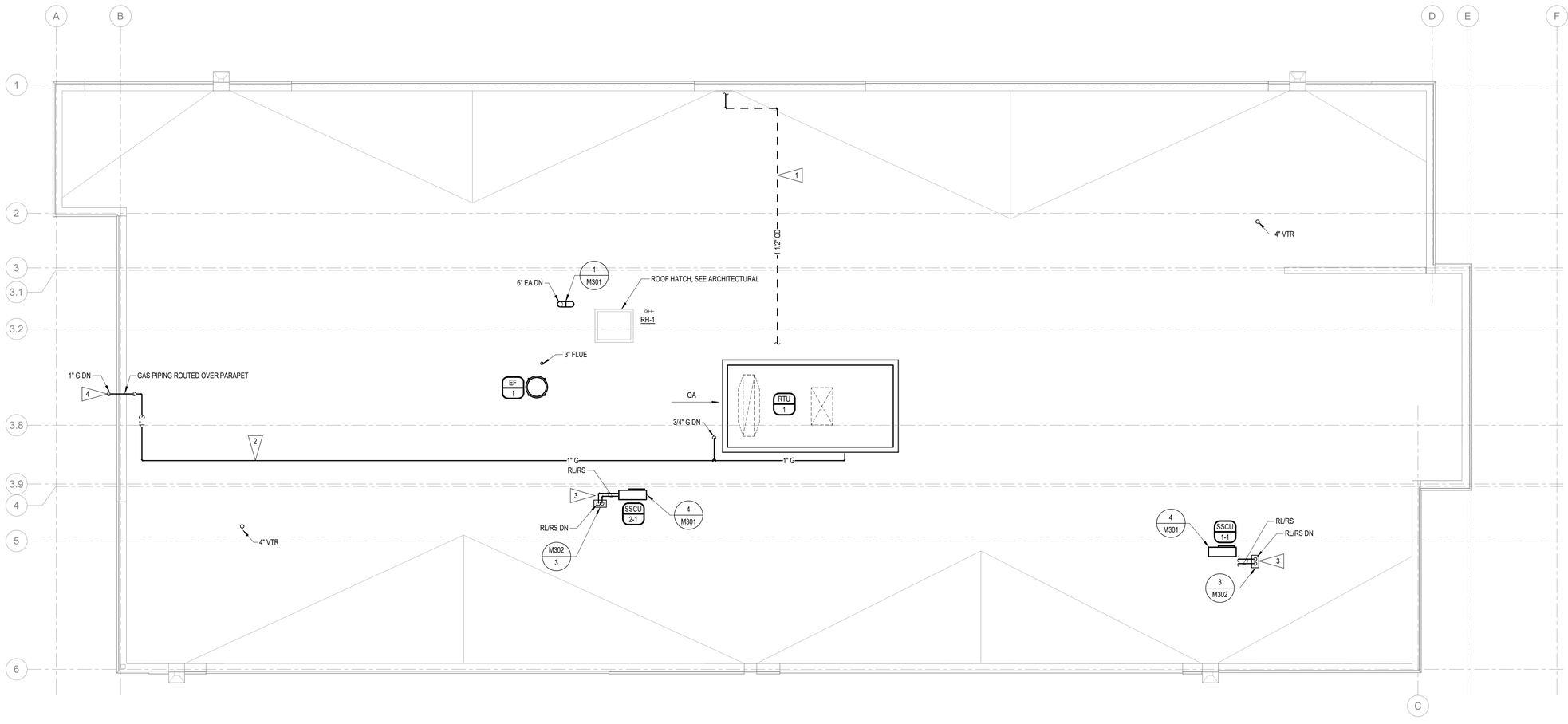
4/21/2026 11:13:15 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. RTU OA INTAKE TO BE MINIMUM 10' FROM ALL EXHAUST FANS, GOOSENECKS AND PLUMBING VENTS.

FLAG NOTES

1. ROUTE CONDENSATE FROM RTU ALONG ROOF AND TERMINATE INDIRECTLY ABOVE DOWNSPOUT. PROVIDE PRE- MANUFACTURED UNISTRUT ROOF STANDS THAT DO NOT PENETRATE ROOF.
2. PROVIDE PRE-MANUFACTURED ROLLER ROOF STANDS FOR GAS PIPING THAT DO NOT PENETRATE ROOF.
3. SIZE AND ROUTE SPLIT SYSTEM REFRIGERANT PIPING PER MANUFACTURER INSTRUCTIONS BETWEEN INDOOR AND OUTDOOR UNIT. PROVIDE ROOF MOUNTED PIPING WITH PRE-MANUFACTURED UNI-STRUT ROOF STANDS.
4. PREPARE EXPOSED GAS PIPING AT EXTERIOR WALL AND OVER PARAPET FOR FIELD PAINTING. COORDINATE WITH ARCHITECTURAL.



1 ROOF PLAN - MECHANICAL

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

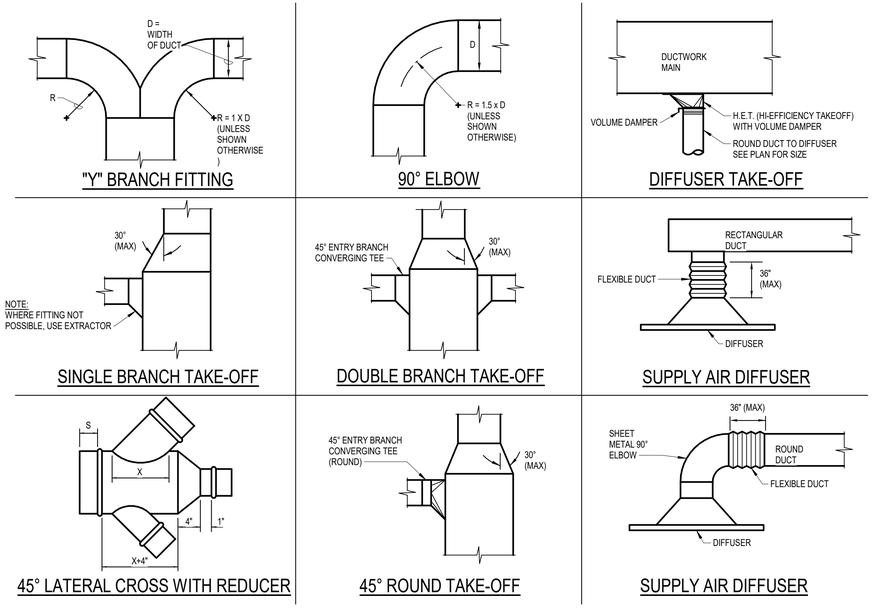
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

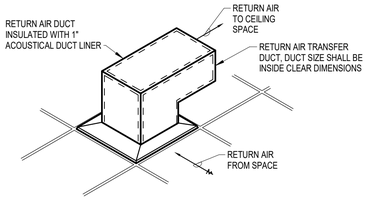
ROOF PLAN - MECHANICAL

M120

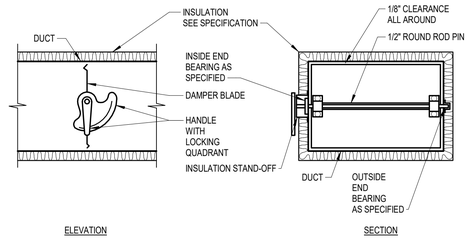
4/21/2026 11:13:16 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 M300 DUCT FITTING DETAILS
NO SCALE Std. 05/09/2019



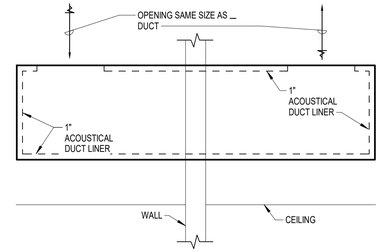
2 M300 RETURN AIR SOUND BOOT
NO SCALE Std. 05/09/2019



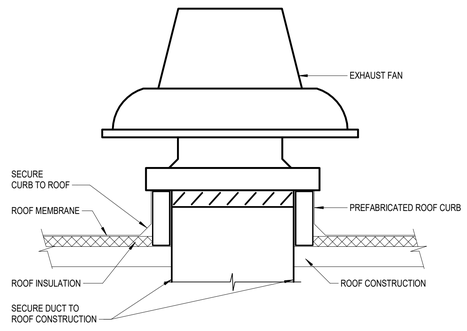
NOTES:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS AND ROUND DAMPERS.

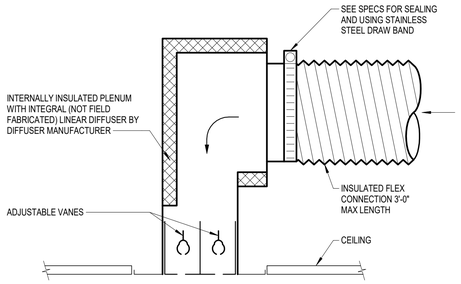
3 M300 VOLUME DAMPER
NO SCALE Std. 05/09/2019



4 M300 SOUND TRAP
NO SCALE Std. 05/09/2019



5 M300 EXHAUST FAN MOUNTING
NO SCALE Std. 05/09/2019



NOTES:

1. OFFSETS WITH FLEX DUCT SHALL NOT EXCEED 30° AND SHALL BE GRADUAL. OFFSETS IN EXCESS OF 30° SHALL BE HARD DUCTED.
2. FLEX DUCT SHALL NOT HAVE MORE THAN 1/2" SAG/FT.
3. FOR PERIMETER DIFFUSERS LOCATE DISTANCE FROM OUTSIDE WALL SHOWN ON ARCHITECTURAL PLANS.
4. CONNECTION TO MAIN DUCT SHALL BE HARD DUCT TRANSITION AND VOLUME DAMPER.

6 M300 LINEAR DIFFUSER CONNECTION
NO SCALE Std. 05/09/2019

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

MECHANICAL DETAILS

M300

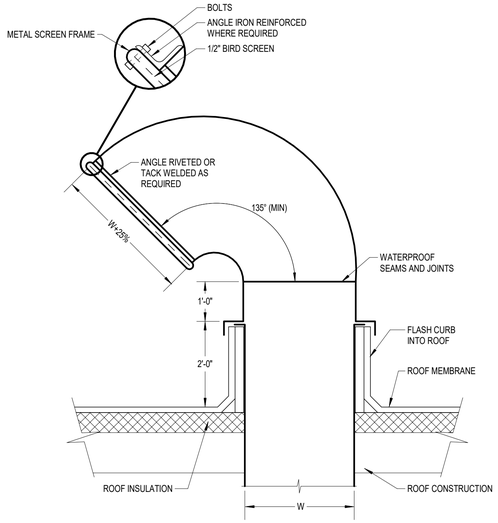
© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

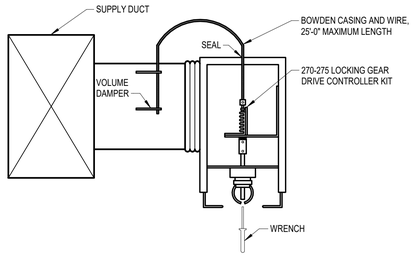
4/21/2026 11:13:18 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 M301 GOOSENECK DUCT THRU ROOF

NO SCALE

Std. 05/09/2019



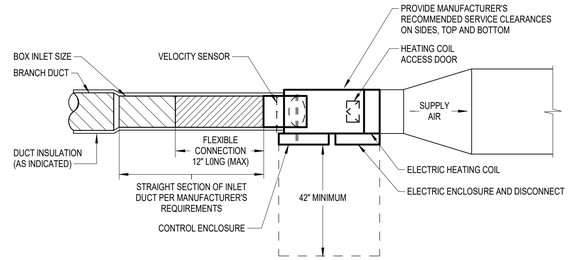
NOTES:

1. CONTROLLER WITH MOUNTING BRACKET FASTENED TO THE INSIDE OF PLENUM WITH ACCESS TO CONTROL SHAFT THROUGH THE OPENING OF DIFFUSER.
2. BOWDEN CASING AND STAINLESS WIRE EXITS PLENUM 1/4" HOLE THEN PARALLELS DUCTWORK BACK TO THROUGH A DAMPER AT BRANCH DUCT TAKEOFF.
3. MODEL NUMBERS BASED ON YOUNG REGULATOR COMPANY. PRE-APPROVED EQUIVALENTS ALLOWED VIA SUBSTITUTION REQUEST PROCEDURE, REFER TO PROJECT SPECIFICATIONS.

2 M301 REMOTE VOLUME DAMPER CONTROL

NO SCALE

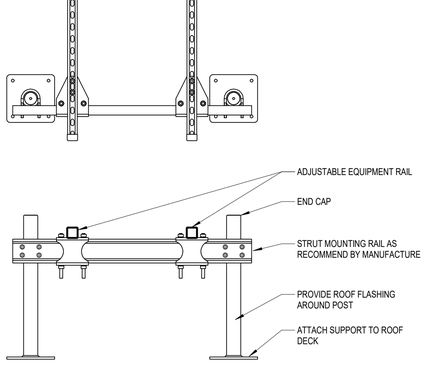
Std. 05/09/2019



3 M301 SINGLE DUCT AIR TERMINAL UNIT ELECTRIC REHEAT COIL

NO SCALE

Std. 04/11/2022



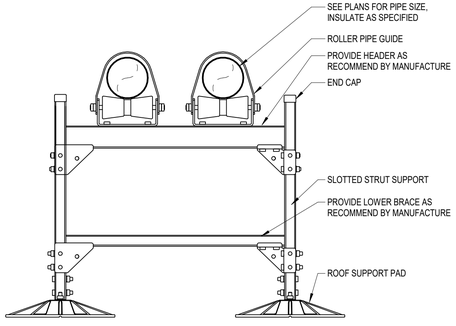
NOTES:

1. EQUIPMENT SUPPORT MATERIAL, METHOD OF ATTACHMENT AND LOCATIONS SHALL BE APPROVED BY THE ROOFING CONTRACTOR.
2. COORDINATE EQUIPMENT SUPPORT LENGTH/WIDTH WITH ACTUAL EQUIPMENT.

4 M301 ROOF EQUIPMENT SUPPORT STAND

NO SCALE

Std. 08/08/2022



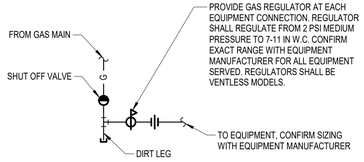
NOTES:

1. LOCATE SUPPORTS TO COMPLY WITH MANUFACTURES MAX LOADING AND AT ALL CHANGES IN DIRECTION.
2. PIPE SUPPORT MATERIAL, METHOD OF ATTACHMENT AND LOCATIONS SHALL BE APPROVED BY THE GENERAL CONTRACTOR.
3. PIPE SUPPORT COMPONENTS TO BE SIZED BY THE MANUFACTURER BASED ON THE PROJECT SPECIFIC DUCT WEIGHTS.
4. MOUNT PIPE WITH 18" CLEAR FROM FINISHED ROOF TO BOTTOM OF SUPPORT OR MORE IF REQUIRED TO MAINTAIN ROOFING SURFACES AND WARRANTY.

5 M301 ROOF PIPE SUPPORT WITH ROLLERS

NO SCALE

Std. 08/08/2022



6 M301 GAS WATER HEATER

NO SCALE

Std. 01/15/2026

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

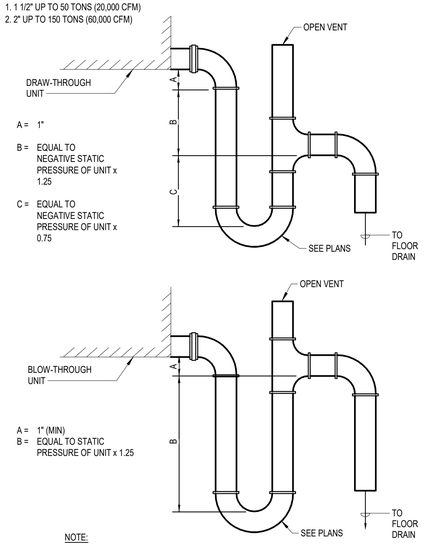
MECHANICAL DETAILS

M301

4/21/2026 11:13:19 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

NOTE TO EDITOR:

1. 1 1/2" UP TO 50 TONS (20,000 CFM)
2. 2" UP TO 150 TONS (60,000 CFM)



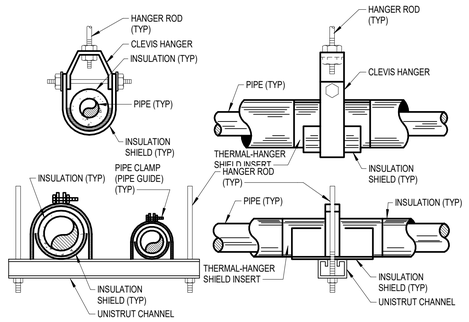
NOTE:

1. TYPICAL AT EACH AIR HANDLING UNIT DRAIN PAN OR SECTION DRAIN.

1 M302 CONDENSATE DRAIN

NO SCALE

Std. 05/09/2019



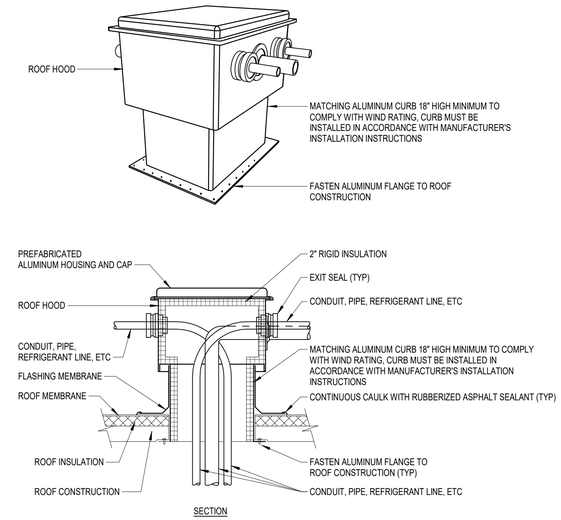
NOTE:

1. SEE SPECIFICATIONS FOR INSULATION, PROTECTIVE SHIELD, AND PIPE SUPPORT REQUIREMENTS.
2. INSTALL PROTECTIVE SHIELD AT EACH PIPE SUPPORT.
3. INSULATION SHALL BE CONTINUOUS THROUGH HANGERS AND SUPPORTS.

2 M302 INSULATION PIPE SUPPORT

NO SCALE

Std. 05/09/2019

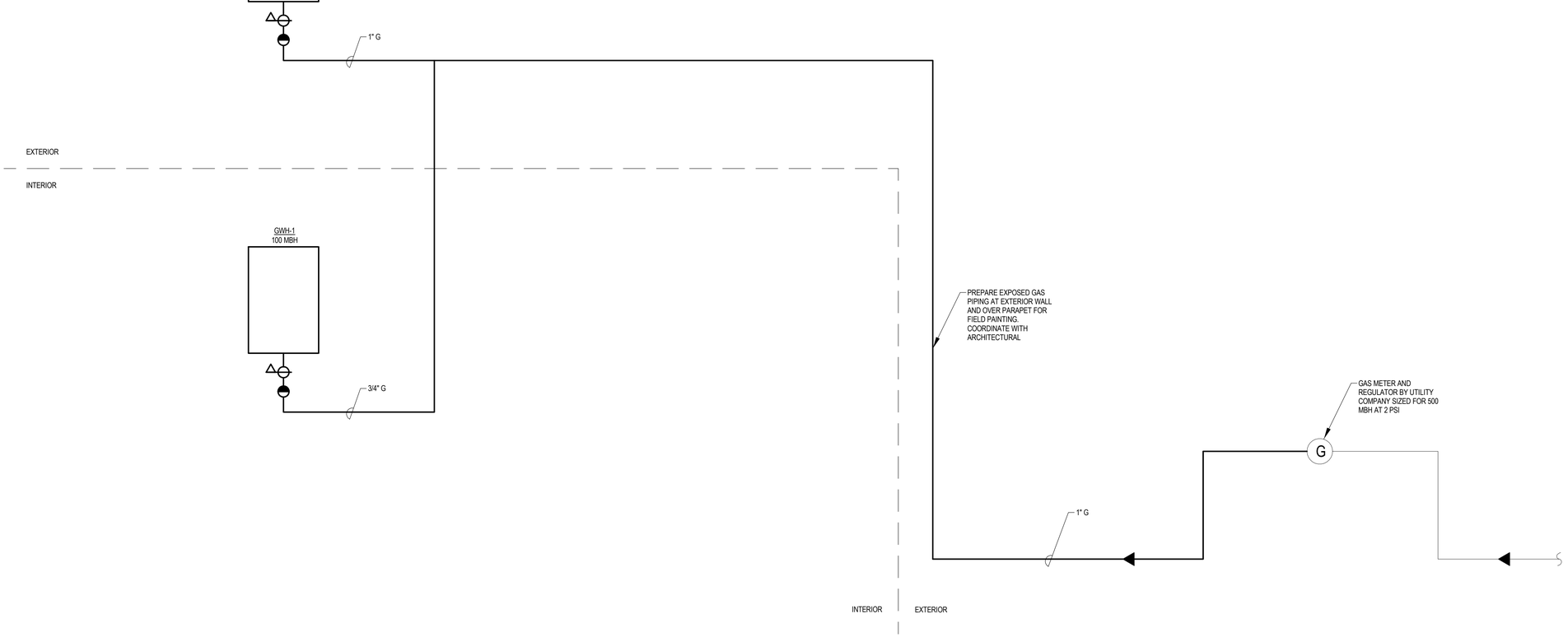


SECTION

3 M302 ROOF PIPE FLASHING HOOD

NO SCALE

Std. 01/09/2023



4 M302 GAS RISER

NO SCALE

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

PIPING DETAILS

M302

4/21/2026 11:13:21 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

ROOFTOP UNIT SCHEDULE (GAS HEAT)

MARK	SERVES	CONFIGURATION	AIRFLOW DATA					COOLING DATA									HEATING DATA				FAN DATA				DIMENSIONS (LxWxH) (IN)	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	REFERENCE SPECIFICATION	REMARKS
			TOTAL AIRFLOW (CFM)	SA EXT S.P. (IN. W.C.)	EA EXT S.P. (IN. W.C.)	MAXIMUM OUTSIDE AIRFLOW (CFM)	MINIMUM OUTSIDE AIRFLOW (CFM)	AMBIENT AIR TEMP (°F)	MIN EER (AHRI)	EAT (DB/WB) (°F)	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	ENTERING AIR TEMP (F)	LEAVING AIR TEMP (F)	NUMBER OF COMPRESSORS	STEPS OF UNLOADING	INPUT (MBH)	OUTPUT (MBH)	HEATING AIRFLOW (CFM)	HEATING TEMP RISE (F)	SUPPLY FAN		EXHAUST AIR						
																					QTY	HP	QTY	HP						
RTU-1	LEVEL 1 & 2	DOWNFLOW	9040	2.0	1.0	9040	2070	105	10.600	81/67	379.1	269.3	81.2/67.3	53.4/53.2	2	VARIABLE	400.0	324.0	5655	51	2	7.5	2	3.69	186 X 92 X 99	4400	ADDISON	PRMK	237413	1,2,3,4,5

REMARKS:

1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E600 FOR ELECTRICAL DATA.
2. PROVIDE WITH FACTORY DOWN DISCHARGE ROOF CURB WITH VIBRATION ISOLATION, INTAKE/EXHAUST HOODS, MODULATING OA AND RA DAMPERS WITH ACTUATORS, 100% OUTSIDE AIR ECONOMISER WITH ENTHALPY CONTROL AND POWERED EXHAUST.
3. PROVIDE WITH FACTORY DISCONNECT, CLOGGED FILTER INDICATOR, CONDENSATE OVERFLOW SWITCH, SINGLE POINT POWER CONNECTION, ECM FANS, MERV 13 FINAL FILTERS, MERV 8 PRE-FILTERS, DUCT MOUNTED PRESSURE SENSOR FOR VAV OPERATION WITH DOWN STREAM BOXES AND PACKAGED CONTROLS FOR INTEGRATION INTO BMCS SYSTEM.
4. UNIT TO HAVE MINIMUM SCOR RATING OF 12,129 A.
5. FANS SHALL HAVE A DIRTY FILTER PRESSURE ALLOWANCE NOT INCLUDED IN EXTERNAL STATIC PRESSURES SHOWN.

SPLIT SYSTEM SCHEDULE

INDOOR UNIT							CONDENSATE DRAIN SIZE (IN)	OUTDOOR UNIT									MANUFACTURER	MODEL NUMBER		REMARKS
MARK	LOCATION	TYPE	OPERATING WEIGHT (LBS)	AIRFLOW (CFM)	TOTAL COOLING (BTUH)	DIMENSIONS (LxWxH) (IN)		MARK	OPERATING WEIGHT (LBS)	TOTAL COOLING CAPACITY (BTUH)	COMPRESSOR TYPE	NUMBER OF COMPRESSORS	REFRIGERANT	AMBIENT TEMP (°F)	SOUND POWER (dBA) [2]	MIN EER2/SEER2 (AHRI)	DIMENSIONS (LxWxH) (IN)		INDOOR	OUTDOOR	
SSAC-2-1	DATA 231	WALL MOUNT	20	400	12000	31x12x9	3/4"	SSCU-2-1	75	12000	INVERTER	1	32	105	49	12.5/21	22x27x12	DAIKIN	FTKF12BVJU9	RKF12BVJU9	1, 2, 3, 4, 5
SSAC-1-1	ELEV CTRL	WALL MOUNT	20	400	12000	31x12x9	3/4"	SSCU-1-1	75	12000	INVERTER	1	32	105	49	12.5/21	22x27x12	DAIKIN	FTKF12BVJU9	RKF12BVJU9	1, 2, 3, 4, 5

REMARKS:

1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEETS E600 FOR ELECTRICAL DATA.
2. OVERALL "A" WEIGHTED SCALE IN ACCORDANCE WITH ARI STANDARD 370.
3. INDOOR UNIT IS POWERED THROUGH THE OUTDOOR UNIT. COORDINATE WITH ELECTRICAL CONTRACTOR INTERCONNECTED WIRING.
4. PROVIDE WITH MATCHING WALL MOUNTED THERMOSTAT.
5. CONTRACTOR IS RESPONSIBLE FOR ALL REFRIGERANT PIPING BETWEEN INDOOR UNIT AND OUTDOOR UNIT, SEE PLANS FOR LOCATIONS. SIZE AND CONNECT PER MANUFACTURER INSTRUCTIONS.
6 PROVIDE WITH MATCHING 115V CONDENSATE PUMP. DAIKIN DACA-CP1-1 OR EQUAL.

AIR TERMINAL UNIT SCHEDULE

MARK	SERVES	TYPE	CFM				MAX S. P. IN. W.G. [3]	NC @ MIN S.P. [4]	INLET DIAMETER, UNIT SIZE (IN)	INLET BRANCH DUCT (IN)	OUTLET DUCT SIZE (IN)	HEATING COIL		CONTROLLER	OVERALL DIMENSIONS (LxWxH) (IN) [5]	MAX WEIGHT (LBS)	MANUFACTURER	MODEL	REFERENCE SPECIFICATION	REMARKS
			MAX COOLING	MAX HEATING	MIN OCCUPIED [2]	MIN UNOCCUPIED [2]						MBH	KW							
TUR-1-1	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	910	455	455	0	0.25	25	10	12	14 X12	27	8.00	MODULATING	36 X 20 X 13	100	NAILOR	D30RE	233600	6,7
TUR-1-2	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	520	350	350	0	0.25	25	8	10	12 X 12	20	6.00	MODULATING	36 X 18 X 13	75	NAILOR	D30RE	233600	6,7
TUR-1-3	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	1055	550	550	0	0.25	25	10	14	14 X 12	35	10.50	MODULATING	36 X 20 X 13	100	NAILOR	D30RE	233600	6,7
TUR-1-4	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	610	310	310	0	0.25	25	8	10	12 X 12	14	4.00	MODULATING	36 X 18 X 13	75	NAILOR	D30RE	233600	6,7
TUR-1-5	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	200	200	200	0	0.25	25	6	8	10 X 10	7	2.00	MODULATING	36 X 17 X 10	50	NAILOR	D30RE	233600	6,7
TUR-1-6	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	675	400	400	0	0.25	25	8	12	12 X 12	14	4.00	MODULATING	36 X 18 X 13	75	NAILOR	D30RE	233600	6,7
TUR-1-7	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	440	440	440	0	0.25	25	7	10	12 X 12	20	6.00	MODULATING	36 X 18 X 13	75	NAILOR	D30RE	233600	6,7
TUR-2-1	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	560	350	350	0	0.25	25	8	10	12 X 12	20	6.00	MODULATING	36 X 18 X 13	75	NAILOR	D30RE	233600	6,7
TUR-2-2	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	910	460	460	0	0.25	25	10	12	14 X 12	27	8.00	MODULATING	36 X 20 X 13	100	NAILOR	D30RE	233600	6,7
TUR-2-3	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	560	310	310	0	0.25	25	8	10	12 X 12	19	5.50	MODULATING	36 X 18 X 13	75	NAILOR	D30RE	233600	6,7
TUR-2-4	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	1140	640	640	0	0.25	25	10	12	14 X 12	39	11.50	MODULATING	36 X 20 X 13	100	NAILOR	D30RE	233600	6,7
TUR-2-5	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	560	460	460	0	0.25	25	8	10	12 X 12	15	4.50	MODULATING	36 X 18 X 13	75	NAILOR	D30RE	233600	6,7
TUR-2-6	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	670	400	400	0	0.25	25	8	10	12 X 12	24	7.00	MODULATING	36 X 18 X 13	75	NAILOR	D30RE	233600	6,7
TUR-2-7	SEE PLANS	SINGLE DUCT/VARIABLE VOLUME	600	530	530	0	0.25	25	8	12	12 X 12	34	10.00	MODULATING	36 X 18 X 13	75	NAILOR	D30RE	233600	6, 7

REMARKS:

1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E600 FOR ELECTRICAL DATA.
2. MINIMUM AIR FLOW FOR PRESSURE INDEPENDENT CONTROL.
3. TOTAL AIR PRESSURE DIFFERENCE ACROSS BOX AND COIL AT MAXIMUM CFM.
4. DISCHARGE UNIT NOISE AT 1.5" MAXIMUM PRESSURE DIFFERENCE. BASED ON ROOM ATTN OF 10 DB (LW RE: 10 E-12 WATTS).
5. DIMENSIONS INCLUDE CONTROL PANEL, REHEAT COIL, AND ACCESS DOOR.
6. PROVIDE WITH MATCHING WALL MOUNTED TEMPERATURE SENSOR WITH SIMPLE LOCAL TEMPRATURE CONTROL INTERFACE. RANGE OF SENSOR CONTROL SHALL BE LIMITED BY BUILDING MANAGEMENT SYSTEM.
7. PROVIDE WITH INTEGRAL DISCONNECT AND POWER CIRCUIT FUSING.

EXHAUST FAN SCHEDULE

MARK	SERVES	LOCATION	TYPE	AIRFLOW (CFM)	EXT S.P. (IN. W.C.)	FAN RPM	MAX BHP	HP	DRIVE	MAX SONES	CONTROL	WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
EF-1	SEE PLANS	ROOF	DOWNBLAST	1000	1	1417	0.25	0.5	DIRECT	10	BMS SCHEDULED	75	GREENHECK	G-120-VG	1, 2
EF-2	SEE PLANS	GUN ROOM	CEILING	120	0.25	-	0.02	-	DIRECT	2	SWITCH	25	GREENHECK	SP-A390-VG	1

REMARKS:

1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E600 FOR ELECTRICAL DATA.
2. PROVIDE WITH BACKDRAFT DAMPER, AND MANUFACTURER'S ROOF CURB.

DIFFUSER REGISTER AND GRILLE SCHEDULE

MARK	DESCRIPTION	DEFLECTION	MAX S. P. (IN. W.C.)	MAX NC LEVEL	CONSTRUCTION MATERIAL	FINISH	FACE SIZE (IN)	MANUFACTURER	MODEL	ACCESSORIES	REMARKS
D-1	SUPPLY DIFFUSER	-	0.1	25	ALUMINIUM	WHITE	24x24	NAILOR	UNI	-	1
G-1	RETURN GRILLE	-	0.1	25	ALUMINIUM	WHITE	24x24	NAILOR	4360A	-	1
G-2	EXHAUST GRILLE	-	0.1	25	ALUMINIUM	WHITE	8x8	NAILOR	51PR	-	1
G-3	SUPPLY WALL GRILLE	-	0.1	25	STEEL	WHITE	SEE PLANS	NAILOR	610H	OBD	1
G-4	EXHAUST WALL GRILLE	-	0.1	25	STEEL	WHITE	8x6	NAILOR	6145H	OBD	1
LD-1	LINEAR SUPPLY	1" x 1 SLOT	0.1	25	ALUMINIUM	WHITE	SEE PLANS	NAILOR	FLV10	-	1, 2

REMARKS:

1. CONTRACTOR SHALL VERIFY CEILING CONSTRUCTION PRIOR TO FURNISHING MATERIAL.
2. PROVIDE WITH MATCHING FACTORY LINED PLENUM WITH 8" DIAMETER NECK AND REMOTE BALANCING DAMPER.

ELECTRIC UNIT HEATER SCHEDULE

MARK	SERVES	LOCATION	CONFIGURATION	HEATING CAPACITY (KW)	AIRFLOW (CFM)	DIMENSIONS (LxWxH) (IN)	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
CUH-1	VEST 100	SEE PLANS	CEILING RECESSED	5	425	24x24x9	35	TRANE	UHCA	1, 2
EUH-1	FIRE SPRNK 117	SEE PLANS	WALL MOUNTED	3.7	350	14x9x16	24	BERKO	HJHAA	1, 3
EUH-2	STAIR S-2	SEE PLANS	WALL MOUNTED	2.0	100	6x5x20	30	BERKO	FRC	1, 3, 4

REMARKS:

1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E600 FOR ELECTRICAL DATA.
2. PROVIDE GYPSUM MOUNTING ACCESSORIES, UNIT MOUNTED THERMOSTAT, AND INTEGRAL DISCONNECT.
3. PROVIDE WALL MOUNTING ACCESSORIES, INTEGRAL DISCONNECT, AND UNIT MOUNTED THERMOSTAT.
4. SPACE SHALL BE MONITORED FOR FREEZE RISK VIA BMS FROM SENSOR LOCATED IN SPACE PER PLANS.

GENERAL NOTES

A. MANUFACTURERS AND MODELS NOTED IN SCHEDULES ARE BASIS OF DESIGN. REFER TO EQUIPMENT SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS. FOR MANUFACTURERS NOT LISTED IN SPECIFICATIONS SUBSTITUTION REQUESTS CAN BE SUBMITTED FOR REVIEW PRIOR TO BID, REFER TO SPECIFICATION 012500 FOR SUBSTITUTION REQUEST PROCEDURES AND FORM.

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

MECHANICAL SCHEDULES

M400

4/21/2026 11:13:23 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

SPRINKLER NOTE:

ENTIRE BUILDING SHALL HAVE FIRE PROTECTION SPRINKLER SYSTEM INSTALLED TO MEET THE REQUIREMENTS OF NFPA CODES, THE STATE FIRE MARSHAL'S OFFICE, AND THE OWNERS APPROVING INSURANCE AGENCY. SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL CEILING MOUNTED SPRINKLER HEADS TO AVOID ANY AND ALL INTERFERENCE WITH ALL OTHER TRADES. IF CONFLICTS DO OCCUR SUCH THAT LIGHTS, DUCTS, DIFFUSERS , GRILLES, OR CEILING SYSTEMS CANNOT BE INSTALLED IN THEIR REQUIRED LOCATIONS DUE TO SPRINKLER PIPING INTERFERENCE, THE PIPING SHALL BE RELOCATED OR REROUTED AT NO ADDITIONAL EXPENSE TO THE PROJECT. SPRINKLER CONTRACTOR SHALL MAINTAIN AN ADEQUATE SUPPLY OF EXTRA PIPING, FITTINGS, AND NECESSARY TOOLS TO MAKE FIELD MODIFICATIONS WITHOUT DELAY. AN APPROVED SPRINKLER SHOP DRAWING DOES NOT PRECLUDE REROUTING IF SO ORDERED BY THE ARCHITECT/ENGINEER

GENERAL NOTES

A. PROVIDE WET PIPE SPRINKLER COVERAGE PER NFPA 13.

B. SPRINKLER HEAD TYPES TO BE CONCEALED FLUSH TYPE WITH WHITE FINISH.

FLAG NOTES

1. PROVIDE DRY HEAD SERVING VESTIBULE WITH CONNECTION TO WET SYSTEM OCCURRING IN ADJACENT SPACE TO VESTIBULE.
2. SPRINKLER MAIN SERVING LEVEL 1.
3. SPRINKLER MAIN UP TO SERVE LEVEL 2, SEE FP110 FOR CONTINUATIONS.
4. SPRINKLER PIPING SERVING VESTIBULE TO ROUTE CONCEALED IN CHASE SHOWN BY ARCHITECTURAL. COORDINATE ROUTING WITH ALL TRADES.



1 LEVEL 1 - FIRE PROTECTION PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 1 - FIRE PROTECTION PLAN

FP100

4/21/2026 11:05:02 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

SPRINKLER NOTE:

ENTIRE BUILDING SHALL HAVE FIRE PROTECTION SPRINKLER SYSTEM INSTALLED TO MEET THE REQUIREMENTS OF NFPA CODES, THE STATE FIRE MARSHAL'S OFFICE, AND THE OWNERS APPROVING INSURANCE AGENCY. SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL CEILING MOUNTED SPRINKLER HEADS TO AVOID ANY AND ALL INTERFERENCE WITH ALL OTHER TRADES. IF CONFLICTS DO OCCUR SUCH THAT LIGHTS, DUCTS, DIFFUSERS , GRILLES, OR CEILING SYSTEMS CANNOT BE INSTALLED IN THEIR REQUIRED LOCATIONS DUE TO SPRINKLER PIPING INTERFERENCE, THE PIPING SHALL BE RELOCATED OR REROUTED AT NO ADDITIONAL EXPENSE TO THE PROJECT. SPRINKLER CONTRACTOR SHALL MAINTAIN AN ADEQUATE SUPPLY OF EXTRA PIPING, FITTINGS, AND NECESSARY TOOLS TO MAKE FIELD MODIFICATIONS WITHOUT DELAY. AN APPROVED SPRINKLER SHOP DRAWING DOES NOT PRECLUDE REROUTING IF SO ORDERED BY THE ARCHITECT/ENGINEER

GENERAL NOTES

A. PROVIDE WET PIPE SPRINKLER COVERAGE PER NFPA 13.

B. SPRINKLER HEAD TYPES TO BE CONCEALED FLUSH TYPE WITH WHITE FINISH.

FLAG NOTES

1. SPRINKLER MAIN SERVING LEVEL 2.



1 LEVEL 2 - FIRE PROTECTION PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

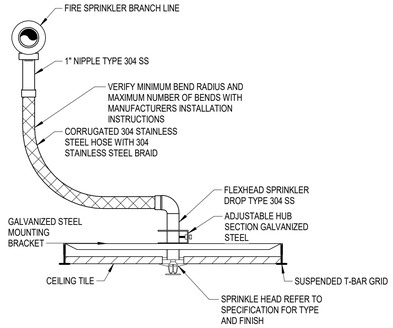
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 2 - FIRE PROTECTION PLAN

FP110

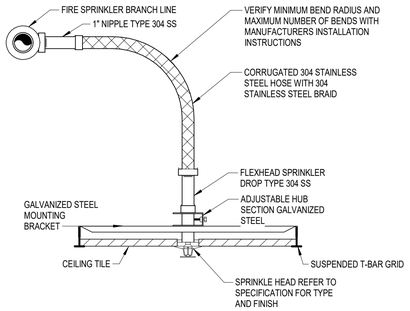
4/21/2026 11:05:05 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 FP200 NO SCALE

FLEXIBLE SPRINKLER HEAD 90 CONNECTION

Std. 05/09/2019

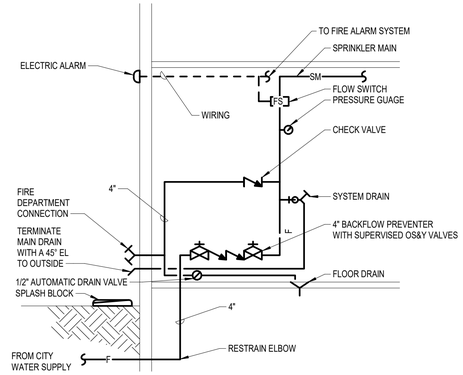


2 FP200 NO SCALE

FLEXIBLE SPRINKLER HEAD STRAIGHT CONNECTION

Std. 05/09/2019

SPECIFIER:
SIZE SERVICE ENTRANCE PIPING AND BACKFLOW PREVENTER.
INCLUDE SPRINKLER INSPECTOR'S TEST DIAGRAM IN PROJECT.
DOUBLE-CHECK BACKFLOW PREVENTER IS ILLUSTRATED. IF NECESSARY, REVISE TO MATCH PROJECT REQUIREMENTS.
DISCHARGE SYSTEM DRAIN OUTSIDE INSTEAD OF TO DRAIN.
(DETAIL DEVELOPED ACCORDING TO 2013 NFPA 13 AND VIKING CORPORATION)



3 FP200 NO SCALE

WET-PIPE SPRINKLER SYSTEM SERVICE-ENTRANCE DIAGRAM (ABOVE GRADE)

Std. 06/17/2024

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

FIRE PROTECTION DETAILS

FP200

4/21/2026 11:05:06 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

MECHANICAL SYMBOLS

PLUMBING SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	AUTOMATIC CONTROL VALVE, 2-WAY	V	VACUUM BREAKER	_"FD-X _"FD-X	FLOOR DRAIN SIZE-TYPE (ROUND OR SQUARE)
	AUTOMATIC CONTROL VALVE, 3-WAY		UNION	_"FS-X	FLOOR SINK SIZE-TYPE
	BALANCING VALVE		PIPE IN SLEEVE	_"RD-X _"OD-X	ROOF DRAIN AND OVERFLOW DRAIN SIZE-TYPE
	ISOLATION VALVE (BALL OR BUTTERFLY)	BFP	BACKFLOW PREVENTER	HB	HOSE BIBB
	CHECK VALVE (ARROW INDICATED FLOW)	CO OR CO	CLEAN OUT	WH	WALL HYDRANT
	GLOBE VALVE	GCO	GRADE CLEAN OUT	PH	POST HYDRANT
	GAS COCK	G	VALVE IN VERTICAL PIPE		PIPE CONTINUATION
	MANUAL AIR VENT	SH	SHOWER		PIPE CAP
	SIGHT GLASS		ARROW INDICATED FLOW DIRECTION		
	PRESSURE REGULATING VALVE (PRV)		DOUBLE GRADE CLEANOUT	_"DS-X	DOWNSPOUT NOZZLE SIZE-TYPE
	PRESSURE REDUCING VALVE		IN-LINE PUMP		STRAINER WITH DRAIN VALVE AND HOSE END
M	WATER OR GAS METER	X X	PLUMBING EQUIPMENT WITH ELEC CONNECTION. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE.		NEW TO EXISTING CONNECTION
VTR	VENT THROUGH ROOF ON RISER	(E)	DESIGNATES UTILITIES AND EQUIPMENT MARKS WHICH ARE EXISTING		POINT OF DISCONNECT

PLUMBING SYSTEMS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
SAN	SANITARY DRAIN		COLD WATER (CW)	W	SITE WATER PIPING
S	STORM DRAIN		HOT WATER (HW)	RO	REVERSE OSMOSIS COLD WATER
OF	OVERFLOW STORM DRAIN		HOT WATER CIRCULATING (HWC)	RO	REVERSE OSMOSIS HOT WATER
SSD	SUB SOIL DRAIN	140°	HOT WATER 140°	RO	REVERSE OSMOSIS WATER CIRCULATING
KW	KITCHEN WASTE	140°	HOT WATER CIRCULATING 140°	NP	NON-POTABLE COLD WATER
KV	KITCHEN VENT	S	COLD SOFT WATER	NP	NON-POTABLE HOT WATER
GW	GARAGE WASTE	S	HOT SOFT WATER	NP	NON-POTABLE HOT WATER CIRCULATING
AW	ACID WASTE	S	HOT SOFT WATER RECIRCULATING	G	NATURAL GAS
AV	ACID VENT	ST	SITE STORM SEWER	A	COMPRESSED AIR
V	VENT	SS	SITE SANITARY SEWER	IW	INDIRECT WASTE

FIRE PROTECTION

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
F	FIRE LINE		CEILING CLEAN AGENT NOZZLE		FREE-STANDING FIRE PUMP TEST HEADER
SM	SPRINKLER MAIN		SUB-FLOOR CLEAN AGENT NOZZLE		FREE-STANDING FIRE DEPARTMENT CONNECTION
CA	CLEAN AGENT		CEILING DETECTOR		FLUSH FIRE DEPARTMENT CONNECTION
	SPRINKLER BRANCH AND HEADS		SUB-FLOOR DETECTOR		FIRE DEPARTMENT CONNECTION
	RECESSED PENDANT SPRINKLER		CLEAN AGENT ALARM BELL	FHC	FIRE HOSE CABINET
	CONCEALED PENDANT SPRINKLER		CLEAN AGENT HORN WITH STROBE	FVC	FIRE HOSE VALVE CABINET
	UPRIGHT SPRINKLER		ELECTRIC PULL STATION	PIV	POST INDICATOR VALVE
	DRY PENDANT SPRINKLER		ABORT PULL STATION		ISOLATION VALVE WITH TAMPER SWITCH
	HORIZONTAL SIDEWALL SPRINKLER		CLEAN AGENT PRESSURE SWITCH		ALARM CHECK VALVE
	DRY HORIZONTAL SIDEWALL SPRINKLER		WARNING LIGHT		DRY PIPE VALVE
	PRE-ACTION HEAT DETECTOR	CAP	CLEAN AGENT PANEL	FS	FLOW SWITCH
	PRE-ACTION PULL STATION		FIRE HYDRANT		WATER FLOW SWITCH
	PRE-ACTION ALARM BELL		ALARM BELL		NEW TO EXISTING CONNECTION
	PRE-ACTION TROUBLE STROBE		ALARM STROBE		
	DELUGE VALVE FOR PRE-ACTION SYSTEM		FIRE DEPARTMENT HOSE VALVE		POINT OF DISCONNECT
PA	PRE-ACTION RELEASING PANEL		FLUSH FIRE PUMP TEST HEADER		

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS AND ABBREVIATIONS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	STANDARD SPECIFICATIONS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS
AUX	AUXILIARY
AV	ACID VENT
AVG	AVERAGE
AW	ACID WASTE
AWG	AMERICAN WIRE GAUGE
BMCS	BUILDING MANAGEMENT CONTROL SYSTEM
BFP	DOUBLE CHECK BACKFLOW PREVENTER
BLDG	BUILDING
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CPVC	CHLORINATED POLYVINYL CHLORIDE
CRAC	COMPUTER ROOM AIR CONDITIONER
CV	CONSTANT VOLUME
DDCV	DOUBLE DETECTOR CHECK VALVE ASSEMBLY BACKFLOW PREVENTER
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DPAC	DRY PIPE AIR COMPRESSOR
DPS	DOOR POSITION SWITCH
DPV	DRY PIPE VALVE
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EHC	ELECTRIC HEATING COIL
EL	ELEVATION
ELEC	ELECTRICAL
EMS	ENERGY MANAGEMENT SYSTEM
EOA	ECONOMIZER OUTDOOR AIR
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
EXH	EXHAUST
EXIST	EXISTING
F	FIRE WATER
FA	FIRE ALARM
FCO	FLOOR CLEAN OUT
FDC	FIRE DEPARTMENT CONNECTION
FHC	FIRE HOSE CABINET
FHV	FIRE HOSE VALVE
FL	FLOOR
FT	FEET
FW	FILTERED WATER
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GPM	GALLONS PER MINUTE
GW	GARAGE WASTE
HGT	HEIGHT
HP	HORSEPOWER
HTG	HEATING
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ, HIGH ZONE WET STANDPIPE
IE	INVERT ELEVATION
IP	INTERNET PROTOCOL
KW	KILOWATT
LBS	POUNDS
LZ	LOW ZONE WET STANDPIPE
MA	MIXED AIR
MAX	MAXIMUM
MBH	1000 BTU/HOUR
MECH	MECHANICAL
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOA	MINIMUM OUTDOOR AIR
MTD	MOUNTED
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OC	ON CENTER
PERP	PERPENDICULAR
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PNL	PANEL
PS	PLASTER SINK
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PWR	POWER
RA	RETURN AIR
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL
RH	RELATIVE HUMIDITY
RLFA	RELIEF AIR
RM	ROOM
RO	REVERSE OSMOSIS WATER
RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
SA	SUPPLY AIR
SAN	SANITARY
SCHD	SCHEDULE
SCW	SOFT COLD WATER
SHW	SOFT HOT WATER
SIM	SIMILAR
SM	SPRINKLER MAIN
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
TEMP	TEMPERATURE
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
VA	VOLT-AMPS
VERT	VERTICAL
VFC	VARIABLE FREQUENCY CONTROL
VTR	VENT THROUGH ROOF
W	WATT
WG	WATER GAUGE
WP	WEATHERPROOF
XFMR	TRANSFORMER

PLUMBING GENERAL NOTES:

A. DO NOT RUN PLUMBING PIPING OR EQUIPMENT ABOVE ELECTRICAL OR TELECOMMUNICATION PANELS AND ASSOCIATED EQUIPMENT OR IN CODE-REQUIRED CLEARANCE SPACES. COORDINATE ALL ROUTING WORK WITH ALL OTHER TRADES.

B. DO NOT RUN PLUMBING PIPING OR EQUIPMENT ABOVE OR THROUGH INFORMATION TECHNOLOGY AND DATA CLOSETS, IDF, AND MDF ROOMS. COORDINATE ALL ROUTING WITH ALL OTHER TRADES.

C. DRAWINGS, PLANS, SCHEMATICS, AND DIAGRAMS INDICATE THE GENERAL LOCATIONS AND THE ARRANGEMENT OF SYSTEMS. WHEREVER PRACTICAL, INSTALL SYSTEMS AS INDICATED. PROVIDE OFFSETS AND ELEVATION CHANGES TO PLUMBING, PIPING, AND DUCTWORK AS REQUIRED TO COMPLETE THE LAYOUT AND COORDINATION PROCESS AS WELL AS MEET ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

D. CLEAN EXISTING UNDERGROUND SANITARY PIPING TO MANHOLE CONNECTION WITH CABLE AND BLADE PRIOR TO INSTALLATION AND CONNECTION OF NEW PIPING.

E. SEE SPECIFICATIONS OR PLUMBING FIXTURE SCHEDULE FOR ALL PLUMBING CONNECTION SIZES TO ALL PLUMBING FIXTURES.

F. LOCATE PLUMBING VENTS THROUGH THE ROOF AT A MINIMUM OF 10'-0" AWAY FROM ALL OUTDOOR INTAKES ON HVAC EQUIPMENT OR OPERABLE WINDOWS.

G. PROVIDE WALL AND FLOOR-MOUNTED SEWER CLEANOUTS AS REQUIRED BY CODE AND AS INDICATED. COORDINATE LOCATION IN FIELD.

H. INSTALL AND ROUTE ALL FUEL GAS PIPING AS REQUIRED BY CODE.

I. TERMINATE ALL NATURAL GAS FLUE VENTS A MINIMUM OF 2'-0" HIGHER THAN ANY SURFACE OR EQUIPMENT WITHIN 10'-0" OR AS REQUIRED BY CODE.

J. PROVIDE GAS PRESSURE REGULATORS ON ALL GAS-FIRED EQUIPMENT; INCLUDING REGULATOR VENT PIPING, SHUTOFF VALVE, DIRT LEG, AND UNION. REGULATE GAS PRESSURE AS REQUIRED FOR EACH SPECIFIC PIECE OF GAS-FIRED EQUIPMENT AND PER MANUFACTURER'S RECOMMENDATIONS.

K. DO NOT ROUTE PLUMBING BRANCHES OR MAINS WITHIN SPACE REQUIRED TO SERVICE ALL HVAC EQUIPMENT ABOVE CEILINGS.

L. FURNISH AND INSTALL SHUT-OFF VALVES FOR WATER SUPPLY AT ALL EQUIPMENT ITEMS.

M. COORDINATE FINISH FLOOR ELEVATIONS TO SET FLOOR DRAINS AND FLOOR SINKS.

N. SAW CUT AND REMOVE FLOOR AS REQUIRED FOR INSTALLATION OF NEW PIPING.

O. WALL HYDRANTS SHALL BE INSTALLED BETWEEN 18" AND 24" ABOVE FINISHED GRADE. PROVIDE ACCESSIBLE SHUTOFF VALVE LOCATED INDOOR FOR EACH WALL HYDRANT.

P. PIPING IN EXTERIOR BUILDING WALLS SHALL BE LOCATED ON THE WARM SIDE OF BUILDING INSULATION AND VAPOR BARRIER. BUILDING INSULATION SHALL RUN CONTINUOUS BETWEEN PIPING AND EXTERIOR OF BUILDING.

Q. PVC PIPING SHALL NOT BE INSTALLED IN RETURN AIR PLENUMS.

R. SEE SANITARY AND STORM NO-HUB RESTRAINT DETAIL FOR RESTRAINING REQUIREMENTS FOR PIPING 5" AND LARGER.

S. SEE NON-SEISMIC SWAY BRACE DETAIL FOR SWAY BRACING REQUIREMENTS FOR PIPING 4" AND LARGER.

T. SEE WATER HAMMER ARRESTOR DETAIL FOR WATER HAMMER ARRESTOR REQUIREMENTS ON DOMESTIC WATER PIPING.

U. PERFORM FUNCTIONAL PERFORMANCE TESTING FOR SERVICE WATER-HEATING SYSTEM AND SUBMIT DOCUMENTATION REQUIRED BY 2018 IECC SECTION C408.2 TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS OF THE RECEIPT OF CERTIFICATE OF OCCUPANCY.

SITE UTILITY PLAN GENERAL NOTES:

A. VERIFY EXACT LOCATION OF EXISTING UTILITIES IN THE FIELD PRIOR TO EXCAVATION. REPORT DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL CONDITIONS PRIOR TO PROCEEDING WITH WORK.

B. ANY UTILITY SHUTDOWN SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER PRIOR TO SHUT DOWN.

DETAIL NOTE:

A. PROJECT DETAILS ARE PROVIDED ON DESIGNATED DETAIL SHEETS. DETAILS APPLY TO THE ENTIRE PROJECT IN ALL LOCATIONS WHERE DETAILED CONDITION EXISTS AND ARE ONLY REFERENCED TO PROVIDE CLARITY IF NECESSARY.

MISCELLANEOUS GENERAL NOTES:

A. COORDINATE LOCATION OF DUCTWORK AND PIPING WITH ELECTRICAL CABLE TRAY. PROVIDE A MINIMUM OF 6" OF CLEAR ACCESS ABOVE CABLE TRAY FOR INSTALLATION OF CABLES.

B. CONTRACTOR IS RESPONSIBLE FOR ANY CUTTING AND PATCHING NEEDED FOR MECHANICAL INSTALLATION. PATCHING MUST MATCH EXISTING.

FIRE PROTECTION GENERAL NOTES:

A. COORDINATE LOCATION OF FIRE SPRINKLER PIPING AND HEADS WITH ALL TRADES PRIOR TO FINALIZATION OF SHOP DRAWINGS AND HYDRAULIC CALCULATIONS.

B. SEE ARCHITECTURAL-REFLECTED CEILING PLANS FOR LOCATIONS OF ALL CEILING-MOUNTED DEVICES.

C. DO NOT RUN FIRE SPRINKLER PIPING ABOVE ELECTRICAL OR TELECOMMUNICATION PANELS AND ASSOCIATED EQUIPMENT OR IN CODE-REQUIRED CLEARANCE SPACES. COORDINATE WITH ELECTRICAL AND MECHANICAL CONTRACTOR.

D. THE ONLY FIRE PROTECTION PIPING ALLOWED IN ELEVATOR MACHINE ROOMS, ELECTRICAL ROOMS, TELECOMMUNICATION ROOMS, DATA CLOSETS, AND ASSOCIATED RISER ROOMS IS THE BRANCH LINE SERVING THE FIRE SPRINKLERS PROTECTING THAT SPECIFIC SPACE. FIRE PROTECTION PIPING MAY NOT PASS THROUGH THESE ROOMS TO SERVE OTHER SPACES.

E. SEE SPECIFICATIONS FOR FIRE SPRINKLER HEAD TYPES AND COLORS.

F. ALL WORK SHALL COMPLY WITH NFPA, THE LOCAL AUTHORITIES HAVING JURISDICTION, AND OWNERS' INSURANCE CARRIER.

G. DIELECTRIC NIPPLES OR FLANGE INSULATION KITS SHALL BE UTILIZED FOR ALL DISSIMILAR PIPE CONNECTIONS. DIELECTRIC UNIONS WILL NOT BE ACCEPTED.

H. SPRINKLER CONTRACTOR SHALL PERFORM FIRE HYDRANT FLOW TESTING AT THE PROJECT SITE PRIOR TO HYDRAULIC DESIGN OF THE SYSTEM IN ORDER TO DETERMINE THE CURRENT AVAILABLE WATER PRESSURE AND FLOW AT THE SITE. HYDRAULIC CALCULATIONS AND SYSTEM DESIGN SHALL BE BASED ON THE ACTUAL FLOW TEST DATA OBTAINED BY THE SPRINKLER CONTRACTOR.

I. IN LAY-IN CEILINGS CENTER THE SPRINKLERS IN TWO DIRECTIONS ON THE APPLICABLE CEILING TILE AND PROVIDE FLEXIBLE DROPS AS REQUIRED. REFER TO THE FLEXIBLE SPRINKLER DROP DETAILS FOR ADDITIONAL INFORMATION. IN OTHER CEILING TYPES, SPRINKLERS SHOULD NOT BE CLOSER THAN 6" TO AIR INLETS, OUTLETS, AND/OR LIGHT FIXTURES.

J. BASE BID FOR FIRE SPRINKLER PIPING TO BE BLACK STEEL SCHEDULE 40. BIDDING CONTRACTOR SHALL PROVIDE A DEDUCT BID ALTERNATE FOR CPVC PIPING. REFER TO SPECIFICATIONS FOR PIPING REQUIREMENTS.

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

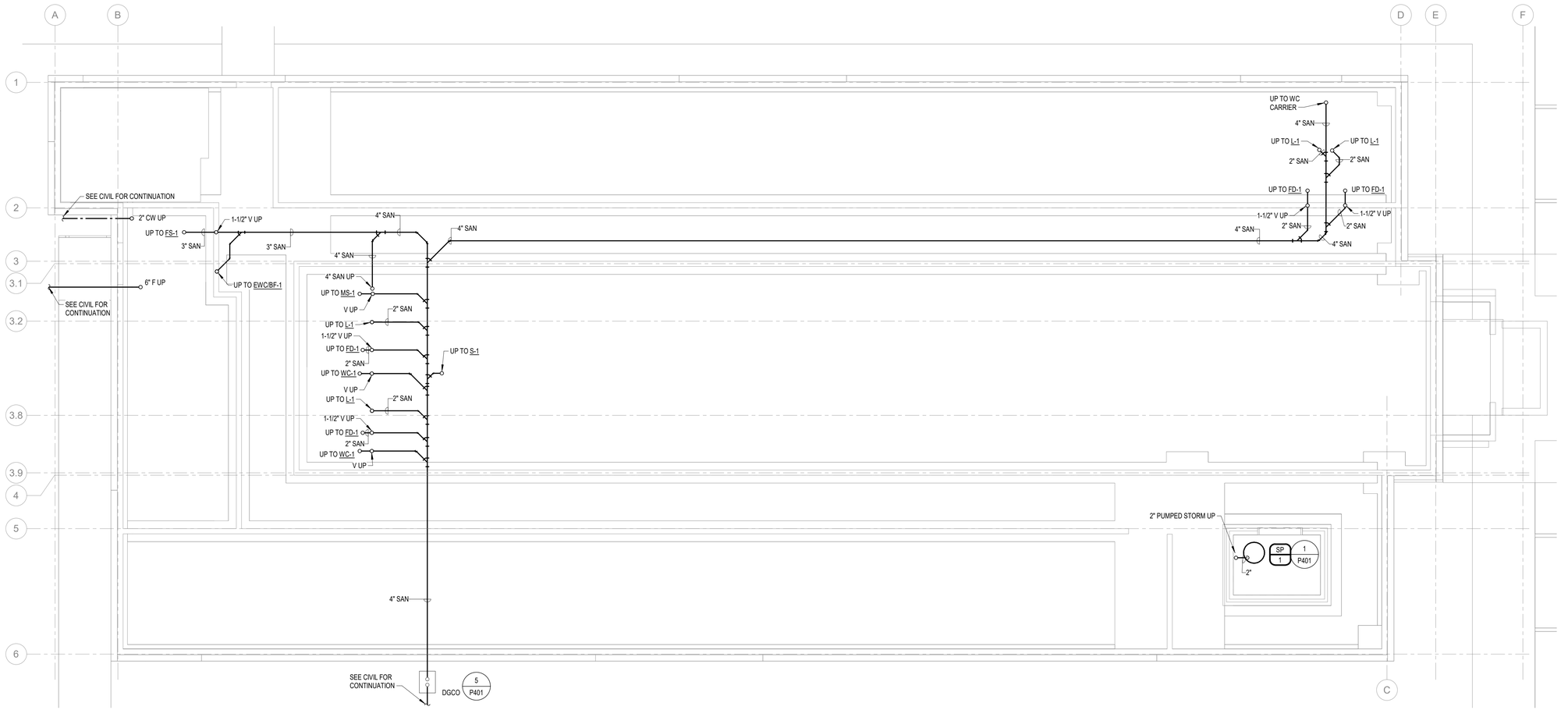
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

PLUMBING SYMBOLS AND ABBREVIATIONS

P000

4/21/2026 11:18:52 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 UNDERFLOOR PLUMBING PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

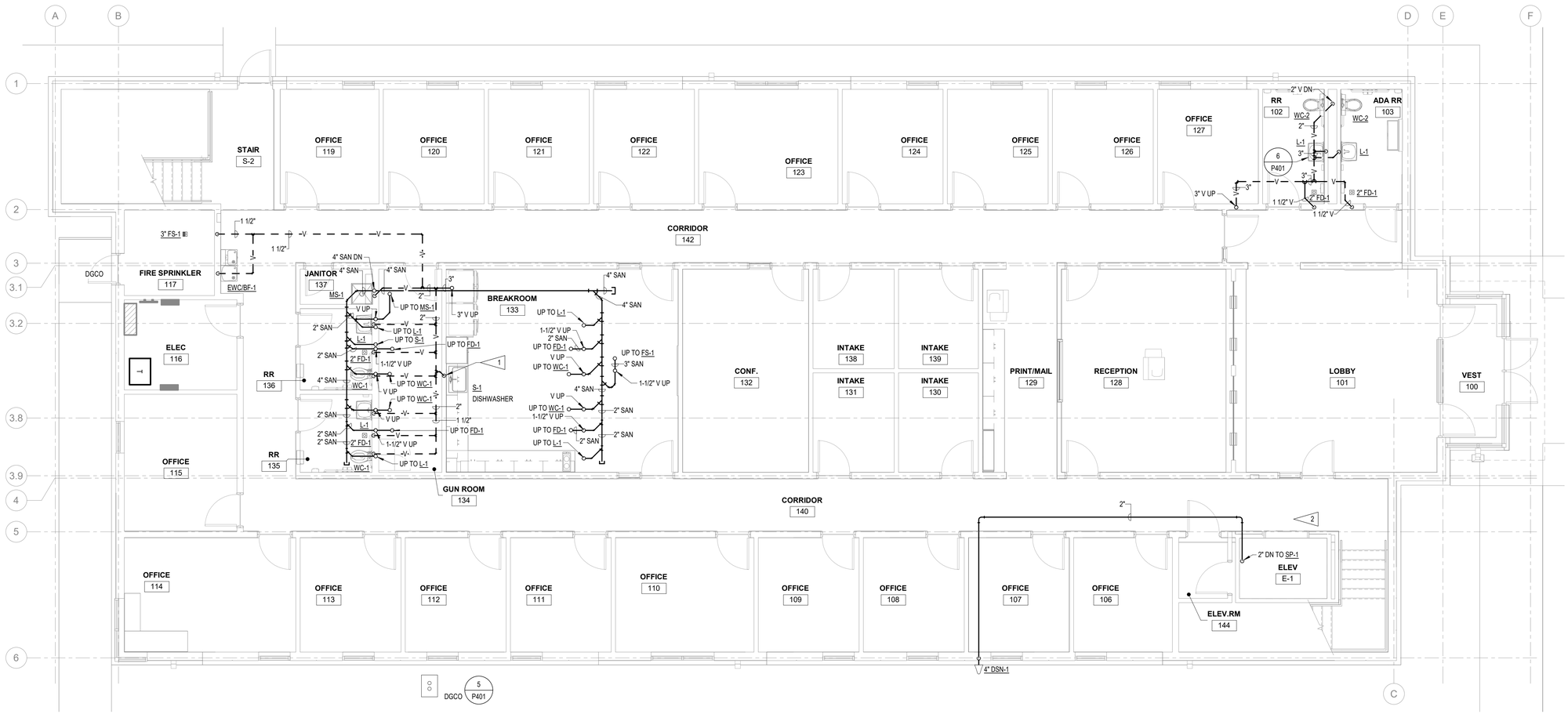
UNDERFLOOR PLUMBING PLAN

P001

4/21/2026 11:18:54 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

FLAG NOTES

1. DISHWASHER DRAIN TO JOIN SANITARY DRAIN SERVING S-1 WITH COUNTER MOUNTED AIR GAP DEVICE.
2. COORDINATE PLACEMENT OF PANEL IN SHAFT WITH ELEVATOR EQUIPMENT. ELEVATOR EQUIPMENT TO TAKE PRECEDENCE.



1 LEVEL 1 - PLUMBING PLAN - WASTE AND VENT

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 1 - PLUMBING PLAN - WASTE AND VENT

P100

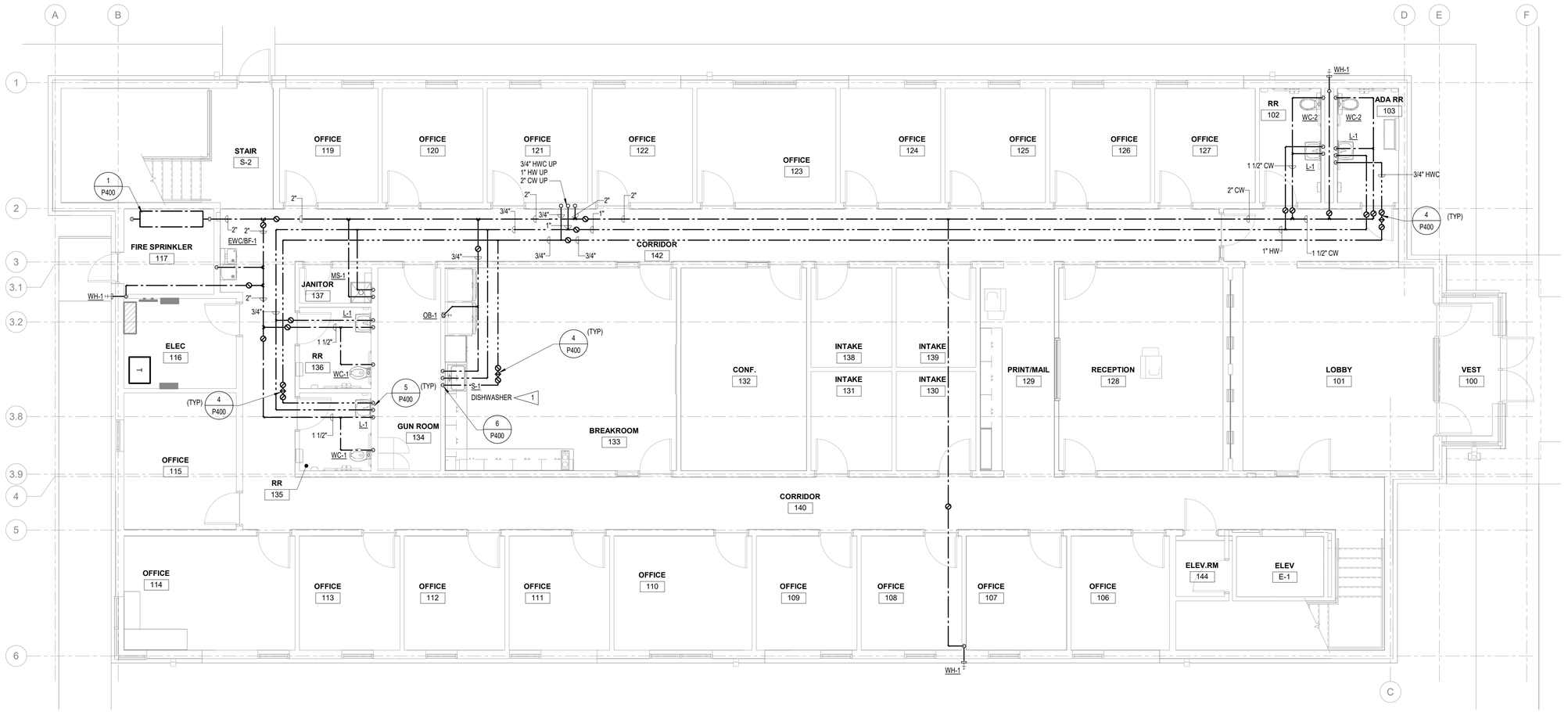
4/21/2026 11:18:57 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. LOCATE ISOLATION VALVES AND BALANCE VALVES SERVING RESTROOMS WITH HARD CEILINGS OUTSIDE RESTROOMS IN ADJACENT SPACES WITH ACCESSIBLE CEILINGS. ACCESS PANELS FOR VALVE ACCESS SHALL NOT BE INSTALLED UNLESS APPROVED BY ARCHITECTURAL.

FLAG NOTES

1. PROVIDE SEPARATE HOT WATER CONNECTION FOR DISHWASHER OFF BRANCH SERVING S-1.



1 LEVEL 1 - PLUMBING PLAN - DOMESTIC WATER

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

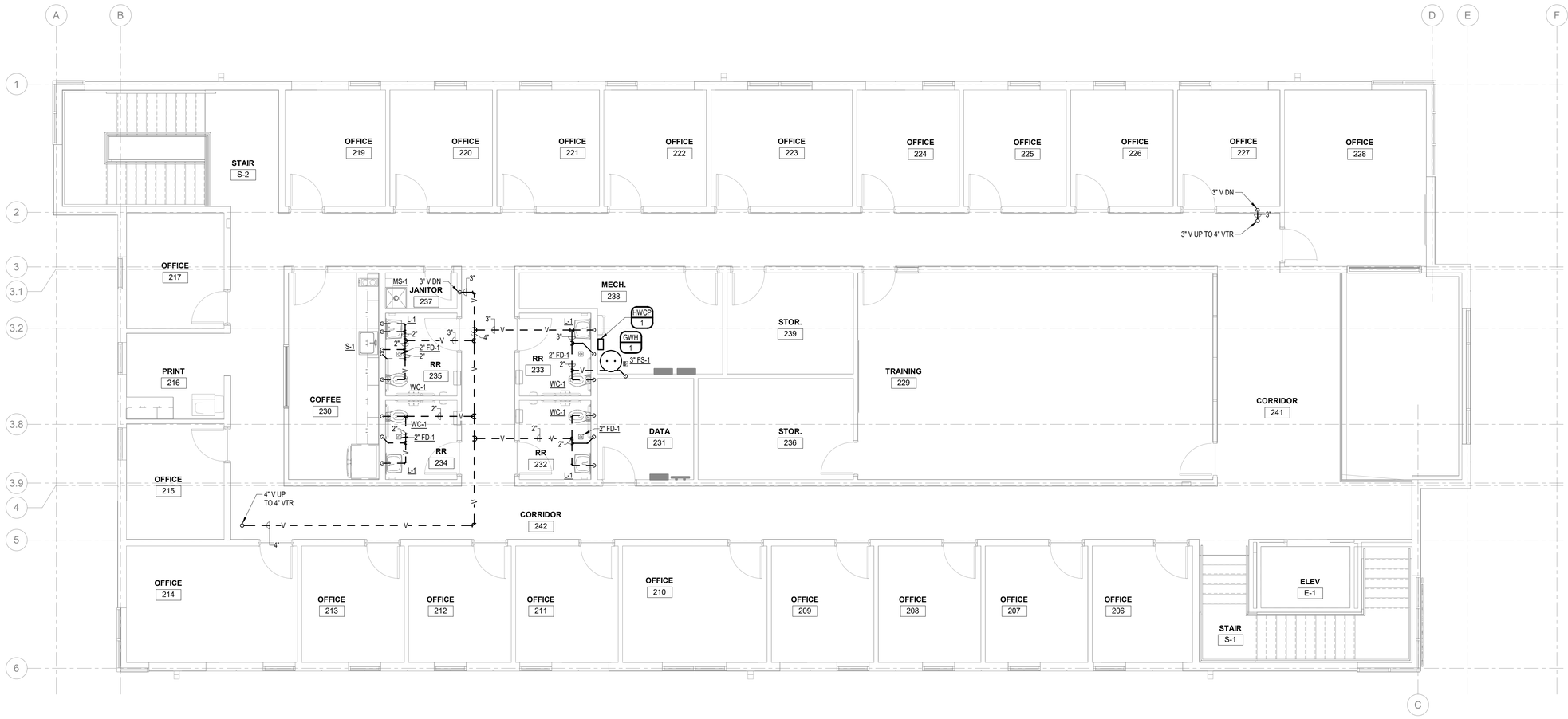
LEVEL 1 - PLUMBING PLAN - DOMESTIC WATER

P101

4/21/2026 11:19:00 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. VENT PIPING TO BE ROUTED AS HIGH AS POSSIBLE WITHIN STRUCTURAL WEBBING TO MAXIMIZE ABOVE CEILING SPACE.



1 LEVEL 2 - PLUMBING PLAN - WASTE AND VENT

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 2 - PLUMBING PLAN - WASTE AND VENT

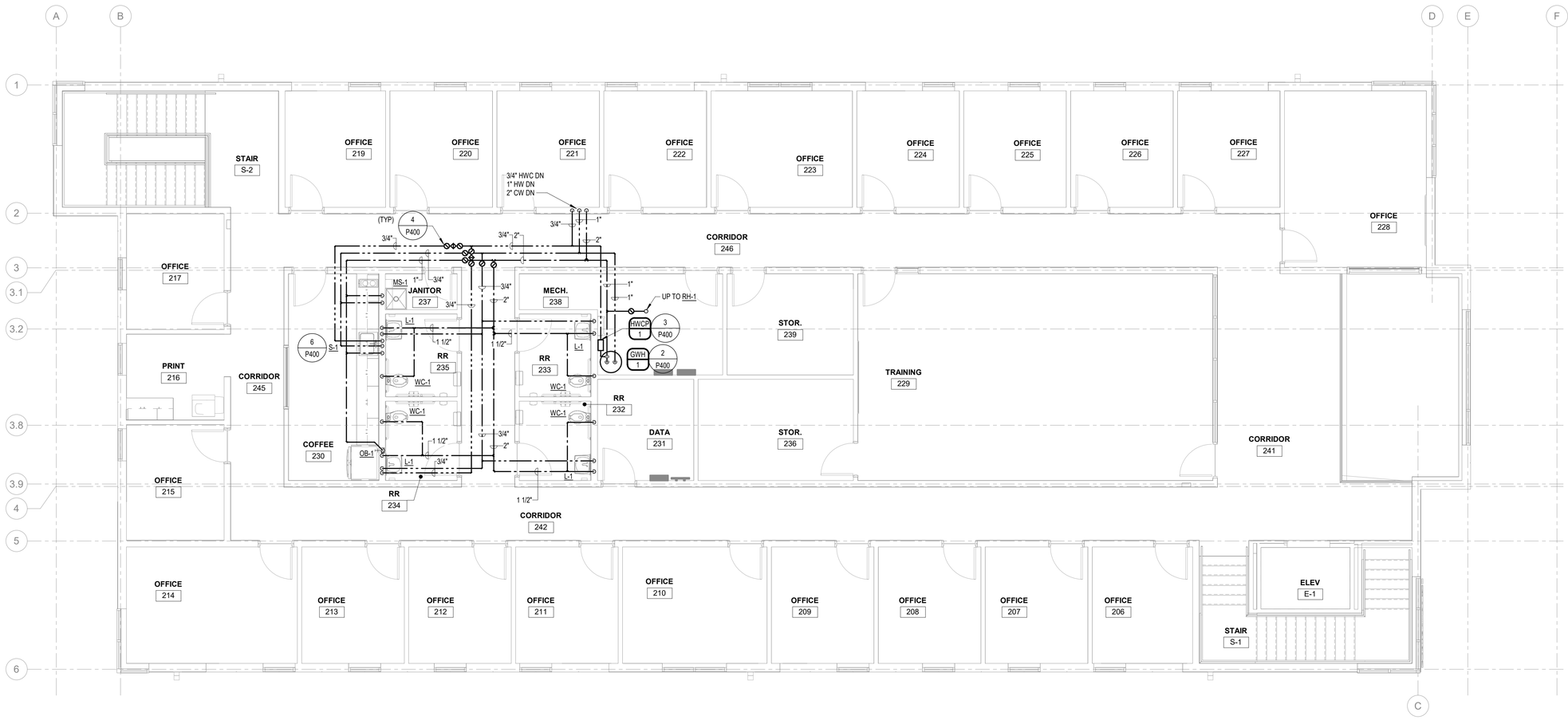
P110

4/21/2026 11:19:03 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. DOMESTIC WATER PIPING TO BE ROUTED AS HIGH AS POSSIBLE WITHIN STRUCTURAL WEBBING TO MAXIMIZE ABOVE CEILING SPACE.

B. LOCATE ISOLATION VALVES AND BALANCE VALVES SERVING RESTROOMS WITH HARD CEILINGS OUTSIDE RESTROOMS IN ADJACENT SPACES WITH ACCESSIBLE CEILINGS. ACCESS PANELS FOR VALVE ACCESS SHALL NOT BE INSTALLED UNLESS APPROVED BY ARCHITECTURAL.



1 LEVEL 2 - PLUMBING PLAN - DOMESTIC WATER

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

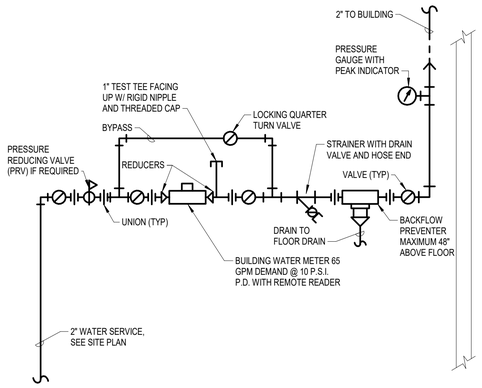
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 2 - PLUMBING PLAN - DOMESTIC WATER

P111

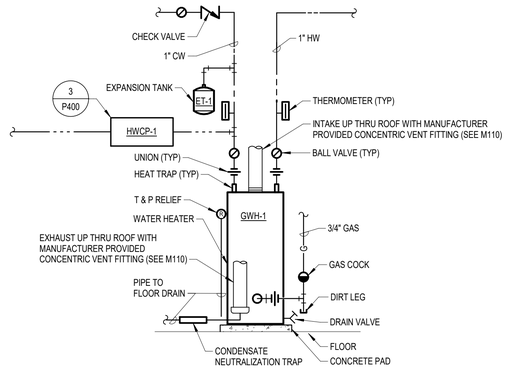
4/21/2026 11:19:06 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 P400 WATER METER

NO SCALE

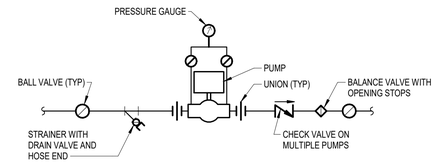
Std. 04/25/2022



2 P400 HIGH EFFICIENCY GAS WATER HEATER WITH CIRCULATING PUMP

NO SCALE

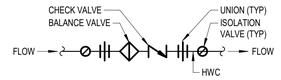
Std. 02/24/2022



3 P400 DOMESTIC HOT WATER CIRCULATING PUMP PIPING

NO SCALE

Std. 05/09/2019

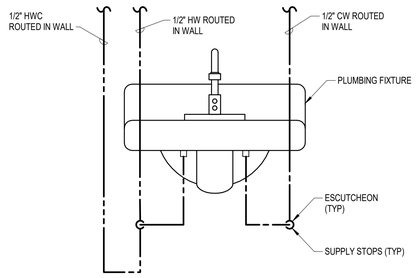


BALANCE VALVE SET TO 0.5 (1/2) GPM UNLESS OTHERWISE NOTED.

4 P400 HWC BALANCING VALVE DETAIL

NO SCALE

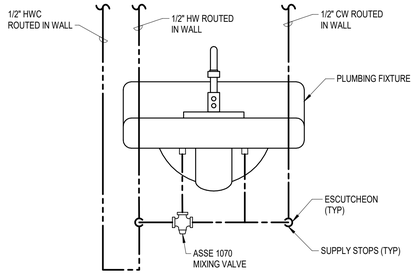
Std. 02/24/2022



5 P400 HWC CONNECTION AT PLUMBING FIXTURE

NO SCALE

Std. 05/09/2019

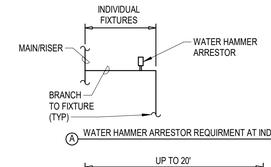


6 P400 HWC CONNECTION AT PLUMBING FIXTURE WITH LOCAL MIXING VALVE

NO SCALE

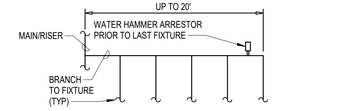
Std. 05/09/2019

NOTE:
PROVIDE, SIZE AND LOCATE WATER HAMMER ARRESTERS IN WATER PIPING ACCORDING TO PDI-WH 201. INSTALL WHERE QUICK CLOSING VALVES ARE PRESENT INCLUDING FLUSH VALVES, SENSOR FAUCETS, STAND ALONE ICE MAKERS, LAUNDRY WASHING EQUIPMENT AND ANY OTHER SENSOR OR ELECTRONIC CONTROLLED VALVES. REFER TO PDI-WH 201 SIZING AND PLACEMENT DATA FOR ADDITIONAL INFORMATION AND CONSIDERATIONS.

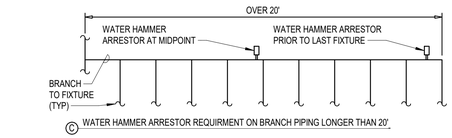


Ⓐ WATER HAMMER ARRESTOR REQUIRMENT AT INDIVIDUAL FIXTURE

PDI-WH 201 TABLE V WATER HAMMER ARRESTOR SIZING	
P.D.I. SYMBOL	F.U. RATING
AA	1-3
A	1-11
B	12-32
C	33-60
D	61-113
E	114-154
F	155-330



Ⓑ WATER HAMMER ARRESTOR REQUIREMENT FOR MULTIPLE FIXTURES



Ⓒ WATER HAMMER ARRESTOR REQUIRMENT ON BRANCH PIPING LONGER THAN 20'.

7 P400 WATER HAMMER ARRESTOR

NO SCALE

Std. 01/17/2022

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

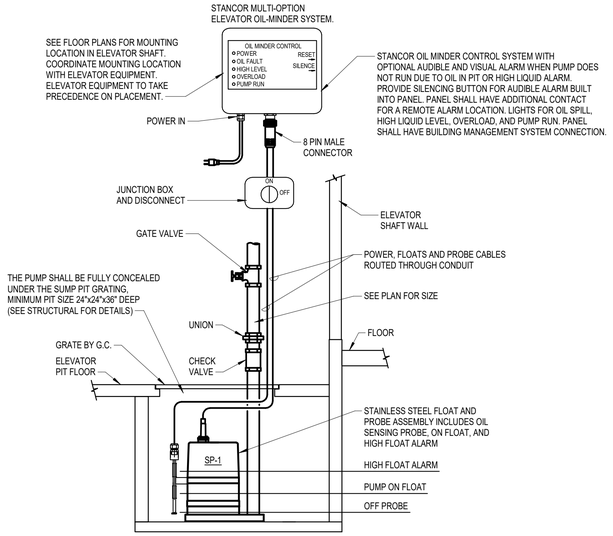
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

PLUMBING DETAILS

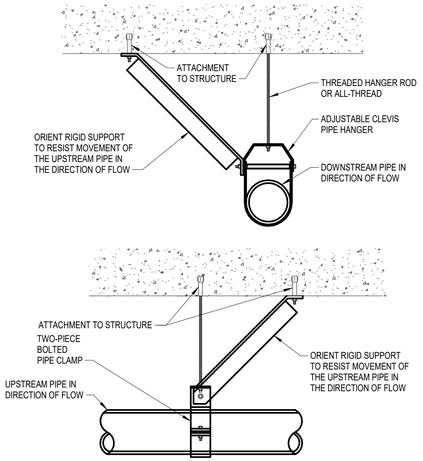
P400

4/21/2026 11:19:07 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 P401 — ELEVATOR SUMP PUMP CONNECTION DETAIL

NO SCALE

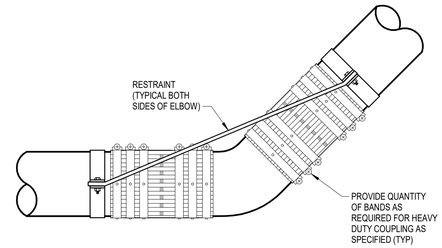


PROVIDE SWAY BRACING FOLLOWING ONE OF THE ABOVE DETAILS ON STORM AND SANITARY PIPING 4" AND LARGER WHERE THE DIRECTION OF FLOW IS CHANGED GREATER THAN 45 DEGREE.

2 P401 — NON-SEISMIC HORIZONTAL PIPE SWAY BRACE DETAIL

NO SCALE

Std. 06/25/2021

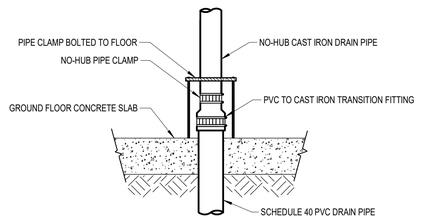


HORIZONTAL PIPE AND FITTINGS 5" AND LARGER SHALL BE SUITABLY BRACED TO PREVENT HORIZONTAL MOVEMENT. THIS MUST BE DONE AT EVERY BRANCH TAKE-OFF OR CHANGE IN DIRECTION BY THE USE OF BRACES, BLOCKS, RODDING OR OTHER SUITABLE METHOD, TO PREVENT MOVEMENT OR JOINT SEPARATION. THIS BRACING MAY BE FIELD FABRICATED OR A MANUFACTURED SYSTEM.

3 P401 — SANITARY AND STORM NO-HUB PIPE FITTING RESTRAINT DETAIL

NO SCALE

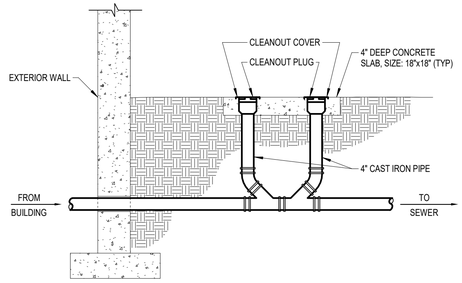
Std. 06/27/2021



4 P401 — PVC TO CAST IRON TRANSITION

NO SCALE

Std. 09/26/2023



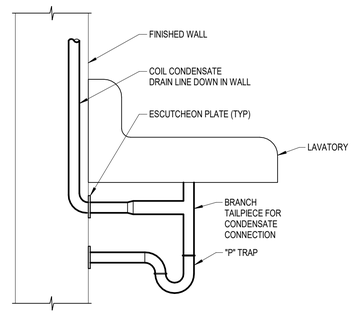
NOTE:
1. LABEL CLEANOUT PLUG AS "STORM" OR "SANITARY".

5 P401 — DOUBLE GRADE CLEANOUT

NO SCALE

Std. 05/09/2019

COORDINATE BRANCH TAILPIECE BETWEEN PLUMBING AND MECHANICAL REQUIREMENTS.



6 P401 — CONDENSATE DRAIN LINE CONNECTION

NO SCALE

Std. 02/07/2024

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

PLUMBING DETAILS

P401

4/21/2026 11:19:09 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

PLUMBING EQUIPMENT AND CONNECTION SCHEDULE

SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS

MARK	DESCRIPTION	BASIS OF DESIGN	CONNECTION DETAILS
DSN-1 DOWN SPOUT NOZZLE	NICKEL BRONZE, WITH THREADED INLET AND WALL FLANGE COVER.	MIFAB R1940 OR APPROVED EQUAL	WASTE: - VENT: - CW: - HW: - REMARKS: .
EWC/BF-1 ELECTRIC WATER COOLER	ADA, ARI 1010, BOTTLE FILLING STATION AND BI-LEVEL ADA COOLER, WITH BUBBLER, WALL HANGING. 5 YR COMP WARRANTY. CABINETS: ENAMELED STEEL WITH SS TOP ALL SS. BUBBLERS: 2, WITH AUTO STREAM REGULATORS, LOCATED ON DECKS. CONTROL: PUSHBARS , FRONT AND SIDES. COOLING SYS.: ELEC, WITH 1-HERMETICALLY SEALED COMP, COOLING COIL, AIR COOLED COND UNIT, CORROSION RESIST TUBING, REFRIG, AND ADJUSTABLE STAT. CAPACITY: 8 GPH OF 50 DEG F COOLED WATER FROM 80 DEG F INLET WATER AND 90 DEG F AMBIENT AIR TEMP. ELECT CHARACTER.: 120V, 1-PHASE, 60 HZ.	HALSEY TAYLOR HTHB-HAC8BLSS-NF OR APPROVED EQUAL	WASTE: 1 1/4" VENT: 1 1/4" CW: 1/2" HW: - REMARKS: .
FD-1 FLOOR DRAIN	COMPLY WITH ASME A112.6.3. CAST IRON BODY AND TRAP, AND SQUARE, ADJUSTABLE, NICKEL BRONZE STRAINER. PROVIDE WITH TRAP GUARD; ZURN ZSHIELD MODEL Z1072 OR APPROVED EQUAL.	MIFAB F1100-C-RS OR APPROVED EQUAL	WASTE: - VENT: - CW: - HW: - REMARKS: SEE PLANS FOR SIZES
FS-1 FLOOR SINK	COMPLY WITH ASME A112.6.3. 6" DEEP CAST IRON FLANGED RECEPTOR WITH SEEPAGE VALVES, AND ACID RESISTANT COATED INTERIOR. 8 1/2" SQUARE NICKEL BRONZE RIM AND SECURED GRATE AND ALUMINUM DOME BOTTOM STRAINER. COORDINATE CONFIGURATION OF GRATING OR CUT FLOOR SINK GRATES AS REQUIRED TO ACCEPT INDIRECT WASTE AT CONTRACTOR'S OPTION. PROVIDE WITH TRAP GUARD: ZURN ZSHIELD MODEL Z1072 OR APPROVED EQUAL.	MIFAB FS1520-FL OR APPROVED EQUAL	WASTE: - VENT: - CW: - HW: - REMARKS: SEE PLANS FOR SIZES

PLUMBING EQUIPMENT AND CONNECTION SCHEDULE

SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS

MARK	DESCRIPTION	BASIS OF DESIGN	CONNECTION DETAILS
L-1 LAVATORY	BOWL: WHITE, VITREOUS CHINA, WALL HUNG, WITH OVERFLOW AND CONCEALED ARM CARRIER. SIZE: 21x18. FAUCET: CHROME PLATED BRASS, BATTERY ELECTRONIC SENSOR WITH ABOVE DECK MIXING HANDLE, 0.5 GPM FLOW, AND GRID DRAIN. CONCEALED ARM WALL SUPPORTED CARRIER WITH HARDWARE TO MATCH FIXTURE. CONFIRM FAUCET FINISH WITH ARCHITECTURAL. SET INITIAL SETPOINT AT 105° F. REMOVE AND RETAIN MIXING HANDLE, SPRING WASHER, AND SCREW, REPLACE WITH VANDAL-RESISTANT PLUG BUTTON. TURN OVER PARTS TO OWNER UPON COMPLETION.	FIXTURE: KOHLER "KINGSTON" K-2007 FAUCET: KOHLER "TOUCHLESS" K-13460 OR APPROVED EQUAL	WASTE: 1 1/4" VENT: 1 1/4" CW: 1/2" HW: 1/2" REMARKS: .
MS-1 MOP SINK	FIXTURE: FLOOR MOUNTED, PRECAST TERRAZZO BASIN WITH 20 GAUGE STAINLESS STEEL RIM GUARD, TILING FLANGES WHERE REQUIRED, CAST BRASS 3" DRAIN WITH STAINLESS STEEL STRAINER. SIZE: 24"x24"x12" DEEP. FAUCET: CHROME PLATED WITH 6 1/2" INCH THREADED SPOUT, LEVER HANDLES, VACUUM BREAKER, LOOSE KEY CHECK STOPS IN SHANKS, PAIL HOOK, WALL BRACE, RUBBER HOSE, AND WALL HOOK.	FIXTURE: STERN-WILLIAMS "SERVICEPTOR" SB-900 FAUCET: ZURN Z843M1-XL-CS OR APPROVED EQUAL	WASTE: 3" VENT: 1 1/2" CW: 3/4" HW: 3/4" REMARKS: .
MV-1 WATER TEMPERING EQUIPMENT	COMPLY WITH ASSE 1070. THERMOSTATIC MIXING VALVE CAPABLE OF CONTROLLING WATER TEMPERATURES DOWN TO A MINIMUM FLOW OF 1/2 GPM. PROVIDE WITH A BRONZE BODY, OUTLET THERMOMETER, AND OUTLET ISOLATION VALVE. CABINET: SURFACE MOUNTING STEEL BOX WITH HINGED DOOR, WHITE ENAMELED FINISH. FLOW RATE: **1.5** GPM AT **5** PSI PRESSURE DROP. SET INITIAL SETPOINT AT 105° F.	ZURN ZW1070XL OR APPROVED EQUAL	WASTE: - VENT: - CW: 1/2" HW: 1/2" REMARKS: .

PLUMBING EQUIPMENT AND CONNECTION SCHEDULE

SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS

MARK	DESCRIPTION	BASIS OF DESIGN	CONNECTION DETAILS
OB-1 OUTLET BOX	WITH HOSE CONNECTION AND THE FOLLOWING: BOX AND FACEPLATE: PLASTIC. SUPPLY FITTING: NPS 1/2" GATE, GLOBE, OR BALL VALVE AND NPS 1/2" COPPER, WATER TUBING.	SIOUX CHIEF OX BOX 696R SERIES OR APPROVED EQUAL	WASTE: - VENT: - CW: 1/2" HW: - REMARKS: .
RH-1 ROOF HYDRANT	RESERVOIR VENTURI, VENT DEVICES, NPS 3/4" MINIMUM THREADED INLET, NONREMOVABLE, DRAINABLE HOSE CONNECTION BACKFLOW PREVENTER COMPLYING WITH ASSE 1052, AND GARDEN HOSE THREADS COMPLYING WITH ASME B1.20.7 ON OUTLET.	WOODFORD SRH-MS OR APPROVED EQUAL	WASTE: - VENT: - CW: 1" HW: - REMARKS: .
S-1 SINK	FIXTURE: SINGLE BOWL, UNDER MOUNTED, 16 GAUGE TYPE 304 STAINLESS STEEL WITH POLISHED SATIN FINISH, SOUND DEADENING UNDERCOATING AND PADS. DRAIN: CRUMB CUP STRAINER. SIZE: 30-1/2"x18-1/2"x10" DEEP. FAUCET: SOLID BRASS, SINGLE-CONTROL LEVER WITH 8-1/4" SWING SPOUT REACH FAUCET WITH 17" SPOUT HEIGHT. DUAL PATTERN PULL-DOWN OUTLET. 1.5 GAL/MIN FLOW RATE AND 60 PSI PRESSURE. CONFIRM FAUCET FINISH WITH ARCHITECTURAL. PROVIDE WITH MV-1 MIXING VALVE.	FIXTURE: ELKAY "CROSSTOWN" EFRU281610TC FAUCET: CHICAGO 434 OR APPROVED EQUAL	WASTE: 1 1/2" VENT: 1 1/2" CW: 1/2" HW: 1/2" REMARKS:

PLUMBING EQUIPMENT AND CONNECTION SCHEDULE

SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS

MARK	DESCRIPTION	BASIS OF DESIGN	CONNECTION DETAILS
WC-1 WATER CLOSET	FIXTURE: ADA COMPLIANT, FLOOR SET, FLOOR OUTLET, SIPHON JET, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, 2 1/8" PASSAGEWAY, WHITE. VALVE: OSCILLATING LEVER HANDLE, 1.6 GALLONS PER FLUSH. SEAT: SOLID PLASTIC, ELONGATED, WHITE, CHECK HINGE, OPEN FRONT WITHOUT COVER.	FIXTURE: KOHLER "HIGHCLIFF" K-96057-B VALVE: SLOAN "ROYAL" 111-1.6 SEAT: OLSONITE 10SSCT OR APPROVED EQUAL	WASTE: 4" VENT: 2" CW: 1" HW: - REMARKS: .
WC-2 WATER CLOSET	FIXTURE: WALL HUNG, SIPHON JET, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, 2 1/8" PASSAGEWAY, WHITE. VALVE: OSCILLATING LEVER HANDLE, DIAPHRAGM TYPE, 1.6 GALLONS PER FLUSH. SEAT: SOLID PLASTIC, ELONGATED, WHITE, CHECK HINGE, OPEN FRONT WITHOUT COVER. CARRIER: FOR ACCESSIBLE MOUNTING HEIGHT, FACEPLATES, COUPLINGS WITH GASKETS, FEET, FIXTURE BOLTS, AND HARDWARE MATCHING FIXTURE.	FIXTURE: KOHLER "KINGSTON" K-84325 VALVE: SLOAN "ROYAL" 111-1.6 SEAT: OLSONITE 10SSCT OR APPROVED EQUAL	WASTE: 4" VENT: 2" CW: 1" HW: - REMARKS: .
WH-1 WALL HYDRANT	FLUSH MOUNTING BOX WITH COVER, AUTOMATIC DRAINING WITH INTEGRAL BACKFLOW PREVENTER, CASING AND OPERATING ROD TO MATCH WALL THICKNESS, PROJECTING OUTLET, AND WALL CLAMP. WALL PLATE FINISH: POLISHED NICKLE BRONZE.	ZURN Z-1320-XL OR APPROVED EQUAL	WASTE: - VENT: - CW: 3/4" HW: - REMARKS: .

WATER HEATER SCHEDULE - GAS

MARK	SERVES	LOCATION	STORAGE CAPACITY (GAL)	RECOVERY (GPH @ 100°F RISE)	INPUT (MBH)	MINIMUM EFFICIENCY (%)	FLUE SIZE (IN)	DIMENSIONS (DIAxH) (IN.)	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
GWH-1	SEE PLANS	MECH 238	60	115	100	97.0	3	35x56	940	AO SMITH	BTH-100	1,2,3

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E601 FOR ELECTRICAL DATA.
2. PROVIDE WITH CONCENTRIC VENT KIT.
3. PROVIDE WITH BUILDING MANAGEMENT SYSTEM INTERFACE. AO SMITH ETH-1000 OR APPROVED EQUAL.
4. OR APPROVED EQUAL.

EXPANSION TANK SCHEDULE

MARK	SERVES	LOCATION	TYPE	SYSTEM VOLUME (GALLONS)	CAPACITY GALLONS		DIMENSIONS (DIA X H) (IN)	MANUFACTURER	MODEL	REMARKS
					TANK	ACCEPT				
ET-1	GWH-1	MECH 238	DIAPHRAGM	73	8	5	12x20	WATTS	DETA-20	1,2

REMARKS:
1. PLUMBING CONTRACTOR TO DETERMINE VOLUME OF HOT WATER SYSTEM AS INSTALLED AND CONFIRM SCHEDULED EXPANSION TANK CAPACITY PRIOR TO PURCHASE AND INSTALLATION.
2. OR APPROVED EQUAL.

PLUMBING PUMP SCHEDULE

MARK	SERVES	LOCATION	FLOW (GPM)	TOTAL HEAD (FT)	MAX FLUID TEMP (F)	MAX BHP	MAX RPM	MANUFACTURER	MODEL	REMARKS
HWCP-1	SEE PLANS	MECH 238	3	30	230	1/6	4450	BELL & GOSSETT	ECOCIRC XL N 36-45	1,4,5
SP-1	ELEVATOR PIT	ELEV E-1	50.0	25	130	1	3450	STANCOR OILMINDER	SE-100 10	1,2,3,5

REMARKS:
1. SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E601 FOR ELECTRICAL DATA.
2. PROVIDE WITH FUSIBLE MAIN DISCONNECT.
3. PROVIDE WITH OIL MINDER CONTROLLER PER DETAIL 1/P401. CONTROLLER TO HAVE BUILDING MANAGEMENT SYSTEM CONNECTION.
4. PUMP TO HAVE BUILDING MANAGEMENT SYSTEM CONNECTION.
5. OR APPROVED EQUAL.

GENERAL NOTES

A. MANUFACTURERS AND MODELS NOTED IN SCHEDULES ARE BASIS OF DESIGN. REFER TO EQUIPMENT SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS. FOR MANUFACTURERS NOT LISTED IN SPECIFICATIONS SUBSTITUTION REQUESTS CAN BE SUBMITTED FOR REVIEW PRIOR TO BID, REFER TO SPECIFICATION 012500 FOR SUBSTITUTION REQUEST PROCEDURES AND FORM.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | IOWA | kpff | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

PLUMBING SCHEDULES

P500

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

4/21/2026 11:19:10 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

ELECTRICAL SYMBOLS

LIGHTING

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
X / X	RECESSED CEILING MOUNTED TROFFER LINES INDICATE ORIENTATION OF LUMINAIRE	X / X	PENDANT MOUNTED LUMINAIRE	X	CEILING MOUNTED EXIT SIGN ARROW(S) INDICATES DIRECTIONAL CHEVRON(S) SHADING INDICATES FACE(S)
X / X	RECESSED CEILING MOUNTED LUMINAIRE	X / X	SURFACE MOUNTED LUMINAIRE	X	WALL MOUNTED EXIT SIGN ARROW(S) INDICATES DIRECTIONAL CHEVRON(S) SHADING INDICATES FACE(S)
X / X	RECESSED WALL MOUNTED LUMINAIRE	X / X	SURFACE MOUNTED WALL LUMINAIRE	X	CEILING MOUNTED EXIT SIGN WITH EMERGENCY BATTERY LIGHT ARROW(S) INDICATES DIRECTIONAL CHEVRON(S) SHADING INDICATES FACE(S)
X / X	IN-GRADE/RECESSED FLOOR MOUNTED LUMINAIRE	X	LIGHTING TRACK	X	WALL MOUNTED EXIT SIGN WITH EMERGENCY BATTERY LIGHT ARROW(S) INDICATES DIRECTIONAL CHEVRON(S) SHADING INDICATES FACE(S)
		X	TRACK MOUNTED LUMINAIRE		
X / X	RECESSED MULTIPLE DOWNLIGHT (QUANTITY OF SHAPES INDICATES QUANTITY OF HEADS)	X	CEILING FAN	X	EMERGENCY BATTERY LIGHT
X	TAPE LIGHT/COVE LIGHT		ARROW INDICATES LUMINAIRE AIMING		SHADING INDICATES LUMINAIRE ON EMERGENCY/LIFE SAFETY CIRCUIT OR WITH BATTERY BACKUP
X	POLE MOUNTED LUMINAIRE	X	AIMABLE SPOT LIGHT		SHADING INDICATES LUMINAIRE ON CRITICAL CIRCUIT
X	POLE (X INDICATES MARK IN POLE SCHEDULE)	D — D — D	PRIMARY DAYLIGHT ZONE BOUNDARY		UL 1008 BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH
$ $#	LOW VOLTAGE SWITCH/CONTROL (# INDICATES LOW VOLTAGE SWITCH IN SCHEDULE)	SD — SD — SD	SECONDARY DAYLIGHT ZONE BOUNDARY		LIGHTING CONTACTOR
S	SINGLE POLE SWITCH		LIGHTING CONTROL ZONE BOUNDARY		TIME SWITCH
$_3$	3-WAY SWITCH	X	LIGHTING CONTROL TYPE (X INDICATES MARK IN LIGHTING CONTROL SCHEDULE)	P	PHOTOCELL CEILING MOUNTED
$_4$	4-WAY SWITCH		LIGHTING CIRCUIT/ZONE BOUNDARY	P	PHOTOCELL WALL MOUNTED
$_D$	DOOR SWITCH	XX-## (PART)	LIGHTING ZONE CIRCUIT DESIGNATION, "XX" INDICATES PANEL NAME, "##" INDICATES CIRCUIT NUMBER (PART) INDICATES PARTIAL CIRCUIT	F	MANUAL DIMMER (F INDICATES FAN SPEED CONTROLLER)
$_{MC}$	MOMENTARY CONTACT SWITCH			#	CEILING MOUNTED OCCUPANCY SENSOR (# INDICATES SENSOR TYPE IN SCHEDULE)
$_T$	TIMER SWITCH			D	LINE VOLTAGE WALL MOUNTED OCCUPANCY SENSOR/SWITCH (D INDICATES DIMMING)

FOR LUMINAIRES, X INDICATES MARK IN LUMINAIRE SCHEDULE

POWER

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
G,T,U	DUPLEX RECEPTACLE "G" SUBSCRIPT INDICATES GFCI,"T" SUBSCRIPT INDICATES TAMPER RESISTANT TYPE, "U" SUBSCRIPT INDICATES COMBINATION USB CHARGING STATION		HORIZONTAL MOUNTED DUPLEX RECEPTACLE		SIMPLEX RECEPTACLE
			DOUBLE DUPLEX RECEPTACLE		SPECIAL PURPOSE RECEPTACLE (NEMA CONFIGURE AS NOTED)
	DRYER RECEPTACLE NEMA 14-30 (125/250V 30A)		RECEPTACLE IN AV BOX		DUPLEX RECEPTACLE - SPLIT WIRED
	AUTOMATICALLY CONTROLLED DUPLEX RECEPTACLE		AUTOMATICALLY CONTROLLED DUPLEX RECEPTACLE - SPLIT WIRED		(1) DUPLEX, (1) DUPLEX AUTOMATICALLY CONTROLLED
	ISOLATED GROUND DUPLEX RECEPTACLE		HOSPITAL GRADE DUPLEX RECEPTACLE		ISOLATED GROUND DOUBLE DUPLEX RECEPTACLE
	SHADING INDICATES RECEPTACLE ON GENERATOR POWER		WALL CLOCK HANGER RECEPTACLE		RANGE RECEPTACLE NEMA 14-50 (125/250V 50A)
W	WELDER RECEPTACLE NEMA 6-50 (250V 50A)		MULTI-OUTLET ASSEMBLY - LENGTH AS INDICATED		
#	POWER AND/OR DATA FLOOR OUTLET ("#" INDICATES DEVICE TYPE IN SCHEDULE)		CONDUIT STUB THRU FLOOR FOR HARDWIRE CONNECTION	TB #	COMBINATION POWER/DATA/AV TABLETOP OUTLET ("#" INDICATES DEVICE TYPE IN SCHEDULE)
	CEILING MOUNTED DUPLEX RECEPTACLE		CEILING MOUNTED DOUBLE DUPLEX RECEPTACLE		CEILING MOUNTED SIMPLEX RECEPTACLE
	CEILING MOUNTED SPECIAL PURPOSE RECEPTACLE		RECEPTACLE IN CEILING AV BOX	$_M$	MOTOR RATED TOGGLE SWITCH
#	PUSH BUTTON STATION ("EP" SUBSCRIPT INDICATES EMERGENCY POWER OFF)		SWITCH AND FUSE		SWITCH AND FUSTAT
$_{STE}$	SINGLE POLE MANUAL MOTOR STARTER WITH THERMAL OVERLOAD AND PILOT LIGHT		ELEVATOR DISCONNECT		MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC STARTER/DISCONNECT	A/B/C/D	SAFETY SWITCH (FUSED UNLESS OTHERWISE NOTED) "A"=AMP RATING, "B"=POLES, "C"=FUSE SIZE, "D"=NEMA ENCLOSURE; FOR FUSE SIZE, "MR"=MFGR RECOMMENDATIONS AND "NF"=NON-FUSE		ENCLOSED CIRCUIT BREAKER - SURFACE MOUNTED ENCLOSED CIRCUIT BREAKER - FLUSH MOUNTED
M	MOTOR			PB	PULL BOX
J #	JUNCTION BOX ("F" INDICATES FLOOR, "C" INDICATES CEILING)	J	WALL MOUNTED JUNCTION BOX	X X	MECH EQUIPMENT WITH ELEC CONNECTION, SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE
IP	TECHNOLOGY INFRASTRUCTURE POWER CEILING MOUNTED JUNCTION BOX	IP	TECHNOLOGY INFRASTRUCTURE POWER WALL MOUNTED JUNCTION BOX		CORD AND PLUG
	BRANCH CIRCUIT		BRANCH CIRCUIT CONCEALED BELOW FLOOR (UNDERGROUND IF EXTERIOR)		HOMERUN TO PANEL (NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS)
	SPECIAL PURPOSE HOMERUN AS INDICATED		CONDUIT SEAL		CIRCUIT DOWN
	CIRCUIT UP		CONDUIT STUB-OUT		CIRCUIT BREAK
#	BRANCH CIRCUIT/FEEDER TAG. SEE BRANCH CIRCUIT/FEEDER SCHEDULE.	XX	EQUIPMENT TAG		GROUND BAR
	LIGHTING PANEL - SURFACE MOUNTED LIGHTING PANEL - FLUSH MOUNTED		DISTRIBUTION PANEL, SWITCHBOARD, OR MOTOR CONTROL CENTER	T / T	TRANSFORMER - PAD MOUNTED TRANSFORMER - SUSPENDED / WALL
	DIMMING/RELAY PANEL	ATS	AUTOMATIC TRANSFER SWITCH	E / E	ELECTRIC VEHICLE CHARGING STATION DASHED LINES INDICATE FUTURE

FIRE DETECTION AND ALARM

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SMOKE DETECTOR	CM	CONTROL MODULE		SPEAKER AND STROBE COMBINATION - WALL
SB / SB	SMOKE DETECTOR WITH SOUNDER BASE	MM	MONITOR MODULE	F	SPEAKER - WALL
SA / SA	SMOKE ALARM	TS	FIRE SPRINKLER VALVE TAMPER SWITCH		SPEAKER AND STROBE COMBINATION - CEILING
BT BR	BEAM SMOKE DETECTOR SYSTEM - TRANSMITTER/REFLECTOR	FS	FIRE SPRINKLER FLOW SWITCH	F	SPEAKER - CEILING
	DUCT SMOKE DETECTOR - SAMPLING TUBE TYPE	PV	FIRE SPRINKLER POST INDICATOR VALVE	FACP	FIRE ALARM CONTROL PANEL
	DUCT SMOKE DETECTOR - IN-DUCT TYPE		HORN AND STROBE COMBINATION - WALL	FAA	FIRE ALARM ANNUNCIATOR PANEL
/	HEAT DETECTOR - FIXED TEMPERATURE + RATE-OF-RISE	F	HORN - WALL	FVCC	FIRE ALARM VOICE COMMAND CENTER
F / F	HEAT DETECTOR - FIXED TEMPERATURE ONLY		STROBE - WALL	F	FIRE FIGHTER'S TELEPHONE JACK
CO / CO	CARBON MONOXIDE DETECTOR		HORN AND STROBE COMBINATION - CEILING	DH	MAGNETIC DOOR HOLD OPEN
CO / CO	COMBINATION CARBON MONOXIDE/SMOKE DETECTOR	F	HORN - CEILING	FSD M	COMBINATION FIRE/SMOKE DAMPER
AS AS	AIR SAMPLING SMOKE DETECTION SYSTEM		STROBE - CEILING	SD M	SMOKE DAMPER
SP AS	ASPIRATING SMOKE DETECTION SYSTEM - POINT ADDRESSABLE; SP = SAMPLE PORT	F	MANUAL PULL STATION	# =	INDICATES CANDELA RATING WHERE INDICATED

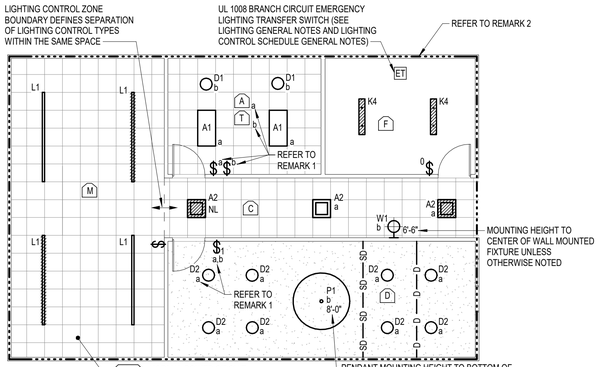
SUBSCRIPTS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
EP	SUBSCRIPT "EP" APPLIED TO ANY SYMBOL INDICATES EXPLOSION PROOF, CLASS, GROUP & DIVISION AS NOTED	K	SUBSCRIPT "K" ADDED TO ANY SYMBOL INDICATES KEY OPERATED	WP	SUBSCRIPT "WP" APPLIED TO ANY SYMBOL INDICATES WEATHERPROOF NEMA 3R OR EQUIVALENT
E	SUBSCRIPT "E" ADDED TO ANY SYMBOL INDICATES EXISTING	WG	SUBSCRIPT "WG" ADDED TO ANY SYMBOL INDICATES WIRE GUARD	P	SUBSCRIPT "P" ADDED TO ANY SYMBOL INDICATES PILOT LIGHT
PD	SUBSCRIPT "PD" ADDED TO ANY FLOOR OUTLET INDICATES PEDESTAL MOUNTED			NL	SUBSCRIPT "NL" ADDED TO ANY SYMBOL INDICATES AN UNSWITCHED LUMINAIRE OPERATING AS A NIGHT LIGHT
AC	SUBSCRIPT "AC" ADDED TO ANY SYMBOL INDICATES ABOVE COUNTER. LOCATE CENTER OF DEVICE 4" ABOVE COUNTER SURFACE OR WHERE PRESENT, 4" ABOVE BACKSPLASH. WHERE INDICATED ADJACENT TO LAVATORY WITHOUT COUNTER, LOCATE CENTER OF DEVICE 8" ABOVE RIM OF LAVATORY.				

ABBREVIATIONS

A	AMPERE	EC	ELECTRICAL CONTRACTOR	KW	KILOWATT	PNL	PANEL
AFF	ABOVE FINISHED FLOOR	EGB	ELECTRICAL GROUND BAR	LTG	LIGHTING	QTY	QUANTITY
AHJ	AUTHORITY HAVING JURISDICTION	ELEC	ELECTRICAL	MAX	MAXIMUM	RM	ROOM
AIC	AMPERES INTERRUPTING CURRENT	EMD	ESTIMATED MAXIMUM DEMAND	MCB	MAIN CIRCUIT BREAKER	SBB	SECONDARY BONDING BUSBAR
ATS	AUTOMATIC TRANSFER SWITCH	EMI	ELECTROMAGNETIC INTERFERENCE	MCC	MOTOR CONTROL CENTER	SCCR	SHORT CIRCUIT CURRENT RATING
AUX	AUXILIARY	EPO	EMERGENCY POWER OFF	MECH	MECHANICAL	SCHD	SCHEDULE
AV	AUDIOVISUAL	EXIST	EXISTING	MGB	MAIN GROUND BAR	SPD	SURGE PROTECTIVE DEVICE
AWG	AMERICAN WIRE GAUGE	FA	FIRE ALARM	MIN	MINIMUM	SPECS	SPECIFICATIONS
BMCS	BUILDING MANAGEMENT CONTROL SYSTEM	FAA	FIRE ALARM ANNUNCIATOR PANEL	MISC	MISCELLANEOUS	SS	STAINLESS STEEL
C	CONDUIT	FACP	FIRE ALARM CONTROL PANEL	MLO	MAIN LUGS ONLY	STD	STANDARD
CATV	CABLE TELEVISION	FC	FOOT-CANDLES	N1	NEMA 1 ENCLOSURE	SW	SWITCH
CB	CIRCUIT BREAKER	FLA	FULL LOAD AMPS	N3R	NEMA 3R ENCLOSURE	SWB	SWITCHBOARD
CCT	CORRELATED COLOR TEMPERATURE	FT	FEET	N4X	NEMA 4X ENCLOSURE	SWG	SWITCHGEAR
CCTV	CLOSED CIRCUIT TELEVISION	FSAE	FIRE SERVICE ACCESS ELEVATOR	N/C	NORMALLY CLOSED	TELECOM	TELECOMMUNICATIONS
CKT	CIRCUIT	GC	GENERAL CONTRACTOR	NIC	NOT IN CONTRACT	TYP	TYPICAL
CL	CENTER LINE	GEC	GROUNDING ELECTRODE CONDUCTOR	N/O	NORMALLY OPEN	UG	UNDERGROUND
CLG	CEILING	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	NTS	NOT TO SCALE	UNO	UNLESS NOTED OTHERWISE
CRI	COLOR RENDERING INDEX	GND	GROUND	OC	ON CENTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
DISC	DISCONNECT	HP	HORSEPOWER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	VA	VOLT-AMPERES
DIST	DISTRIBUTION	HZ	HERTZ	PB	PULLBOX	W	WATT
DMX	DIGITAL MULTI-PLEX	JB	JUNCTION BOX	PBB	PRIMARY BONDING BUSBAR	XFMR	TRANSFORMER
DN	DOWN	KCMIL	THOUSAND CIRCULAR MILS	PDU	POWER DISTRIBUTION UNIT		
DWG	DRAWING	KV	KILOVOLT	PIV	POST INDICATOR VALVE		
		KVA	KILOVOLT AMPERE				

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS AND ABBREVIATIONS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.



GENERAL NOTES:
a. REFER TO LIGHTING CONTROL SCHEDULE AND SPECIFICATIONS FOR REQUIREMENTS. ROOMS SHOWN ARE AN EXAMPLE ONLY.

REMARKS:
1. WHERE INDICATED, LOWER CASE LETTERING INDICATES LUMINAIRE(S) CONTROLLED BY CONTROL DEVICE/ CONTROL TYPE WITH THE SAME LETTER WITHIN THE SAME ROOM.
2. LIGHTING CIRCUIT/ZONE BOUNDARY. DRAWINGS INDICATE LIGHTING BRANCH CIRCUITS AND ASSOCIATED CIRCUIT ZONES. BOUNDARIES FOR SPECIFIC NORMAL AND/OR EMERGENCY LIGHTING CIRCUITS ARE INDICATED BY "LIGHTING CIRCUIT BOUNDARY" LINETYPE. CONNECT FIXTURES WITHIN EACH CIRCUIT ZONE TO INDICATED BRANCH CIRCUITS. CONNECT LIGHTING CONTROLS WITHIN EACH ROOM TO CONTROL FIXTURES WITHIN THAT ROOM UNLESS OTHERWISE NOTED.

1 E000 LIGHTING CIRCUIT AND ANNOTATION LEGEND
NO SCALE Std. 09/03/2025

LIGHTING GENERAL NOTES:

A. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LUMINAIRE AND DEVICE LOCATIONS.

B. REFER TO SHEET E000 FOR LIGHTING CIRCUIT AND ANNOTATION LEGEND.

C. CONNECT EXIT LIGHTS, EMERGENCY BATTERY INVERTERS, EMERGENCY BATTERY PACKS AND EMERGENCY BATTERY UNIT FIXTURES TO NEAREST UNSWITCHED NORMAL LIGHTING CIRCUIT SERVING CORRESPONDING AREA, UNLESS OTHERWISE INDICATED. CONNECT INVERTERS AND BATTERY PACKS SO THAT ASSOCIATED LUMINAIRES ARE CONTROLLED WITH OTHER LUMINAIRES IN THE SAME SPACE, AND ARE ENERGIZED UPON POWER FAILURE.

D. SITE LIGHTING LUMINAIRE LOCATIONS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH CIVIL ENGINEER/DRAWINGS.

E. LOCATE REMOTE DRIVERS/BALLASTS FOR LUMINAIRES ABOVE THE NEAREST ACCESSIBLE CEILING UNLESS OTHERWISE INDICATED.

F. UNLESS NOTED OTHERWISE, IN MECHANICAL AND ELECTRICAL SPACES, CHAIN HANG LUMINAIRE(S) AS HIGH AS POSSIBLE BELOW PIPES AND DUCTS, BUT NOT HIGHER THAN 10'-0" AFF. COORDINATE FINAL LOCATIONS IN THE FIELD WITH ALL TRADES.

FIRE ALARM GENERAL NOTES:

A. FIRE ALARM DEVICES ARE INDICATED SCHEMATICALLY FOR DESIGN INTENT. DEVICE QUANTITIES INDICATED ARE MINIMUM. PROVIDE ADDITIONAL DEVICES AS REQUIRED. FIRE ALARM SUPPLIER SHALL SELECT CANDELA RATINGS OF STROBES TO PROVIDE REQUIRED COVERAGE.

B. COORDINATE LOCATIONS OF FIRE ALARM REMOTE PANELS WITH THE ARCHITECT/ENGINEER. PROVIDE A DEDICATED 20A, 120V CONNECTION FROM THE NEAREST AVAILABLE 120V NORMAL PANEL. PROVIDE LOCK-ON DEVICE ON CIRCUIT BREAKER. PROVIDE SMOKE DETECTOR AT EACH REMOTE PANEL LOCATION.

C. PROVIDE FIRE ALARM CONNECTION TO FIRE SPRINKLER FLOW SWITCHES, TAMPER SWITCHES AND POST INDICATOR VALVE. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH MECHANICAL DRAWINGS AND WITH SPRINKLER CONTRACTOR. AT PIV, PROVIDE RGS CONDUIT A MINIMUM OF 12 INCHES ABOVE GRADE.

D. PROVIDE ELECTRICAL CONNECTION TO FIRE SPRINKLER ALARM BELL. VERIFY EXACT LOCATION WITH MECHANICAL DRAWINGS AND WITH SPRINKLER CONTRACTOR.

E. PROVIDE FIRE ALARM CONNECTION TO AUXILIARY INPUT OF LIGHTING CONTROL RELAYS TO TURN ON EMERGENCY LIGHTING UPON ACTIVATION OF THE FIRE ALARM. COORDINATE EXACT QUANTITIES AND LOCATIONS WITH REVIEWED LIGHTING CONTROL SHOP DRAWINGS. ONE CONNECTION WILL BE REQUIRED FOR EACH LIGHTING CONTROL ZONE WITH EMERGENCY LIGHTING, UNLESS AN ALTERNATE METHOD IS AVAILABLE THROUGH A CONNECTION TO THE LIGHTING CONTROL SYSTEM.

GENERAL NOTES:

A. INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.

B. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.

C. CONCEAL CONDUITS INSTALLED IN NEW WALLS AND IN AREAS WITH SUSPENDED CEILINGS.

D. IN ROOMS TO BE PAINTED, PAINT EXPOSED RACEWAYS TO MATCH SURROUNDING SURFACES. COORDINATE WITH ARCHITECT.

E. IN FINISHED AREAS WITH EXPOSED STRUCTURE, COORDINATE ROUTING OF CONDUITS AT STRUCTURE WITH ARCHITECT. CONCEAL CONDUITS FROM VIEW AS MUCH AS POSSIBLE. CONDUIT SHALL NOT BE ROUTED PERPENDICULAR TO BOTTOM CHORD OF STRUCTURE.

F. INSTALL CONDUIT AND BOXES LOCATED NEAR METAL ROOF DECKS SO THAT THE NEAREST OUTER SURFACE OF THE CONDUIT OR BOX IS NOT LESS THAN 2 INCHES FROM THE NEAREST SURFACE OF THE ROOF DECKING. PROVIDE SPACERS AND SUPPORTS AS REQUIRED. RIGID METAL CONDUIT AND INTERMEDIATE METAL CONDUIT ARE NOT REQUIRED TO MAINTAIN THIS CLEARANCE.

G. REPAIR OR REPLACE BUILDING ELEMENTS THAT ARE DAMAGED AS PART OF ELECTRICAL WORK.

H. SPECIFICATIONS LIST ACCEPTABLE WIRING METHODS AND MATERIALS. OTHER WIRING METHODS AND MATERIALS NOT LISTED IN THE SPECIFICATIONS (SUCH AS MC CABLE, ETC.) ARE NOT ACCEPTABLE.

I. WHERE CONDUIT STUB UP FROM SLAB IS EXPOSED, TRANSITION FROM NON-METALLIC TO METALLIC CONDUIT PRIOR TO EXITING FLOOR SLAB, PER SPECIFICATIONS.

J. SEAL ELECTRICAL PENETRATIONS IN MECHANICAL AND ELECTRICAL ROOMS ABOVE OCCUPIED SPACES TO REDUCE NOISE TRANSMISSION.

K. SEAL PENETRATIONS IN FIRE RATED CONSTRUCTION TO MAINTAIN RATINGS.

L. LABELING FOR PANELBOARD DIRECTORIES, FIRE ALARM PANEL PROGRAMMING, ETC., SHALL USE ROOM NUMBERS ASSIGNED BY OWNER AND NOT ROOM NUMBERS LISTED ON DRAWINGS. LABELS ON PANELBOARD DIRECTORY SHALL INCLUDE A DESCRIPTION OF LOAD SUCH AS LIGHTS, RECEPTACLES, MECHANICAL UNIT LOCATIONS, ETC.

M. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS (AS APPLICABLE) FOR EXACT DEVICE LOCATIONS.

DETAIL NOTE:

A. PROJECT DETAILS ARE PROVIDED ON DESIGNATED DETAIL SHEETS. DETAILS APPLY TO THE ENTIRE PROJECT IN ALL LOCATIONS WHERE DETAILED CONDITION EXISTS AND ARE ONLY REFERENCED TO PROVIDE CLARITY IF NECESSARY.

POWER GENERAL NOTES:

A. RIGIDLY SECURE SLAB ON GRADE FLOOR BOXES IN PLACE PRIOR TO CONCRETE POUR. INSTALL FLOOR BOXES PARALLEL/PERPENDICULAR TO WALLS IN THE SAME SPACE. ALIGN BOXES LOCATED IN THE SAME SPACE.

B. PROVIDE POWER CONNECTION TO CONTROL PANELS, TRANSFORMERS AND OTHER ITEMS FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE LOCATIONS OF DEVICES REQUIRING POWER CONNECTIONS WITH MECHANICAL CONTRACTOR.

C. LABEL RECEPTACLE WALL PLATES WITH THE CORRESPONDING PANEL AND CIRCUIT NUMBER. LABEL SHALL BE ADDED TO BACKSIDE OF WALL PLATES WHERE DEVICE IS LOCATED IN PUBLIC SPACES.

D. PROVIDE A COMMON NEUTRAL FOR MULTIPLE CIRCUITS SERVING SYSTEMS FURNITURE. PROVIDE HANDLE TIES ON ASSOCIATED BREAKERS.

E. REFER TO ARCHITECTURAL AND FINAL FURNITURE PLANS FOR FINAL FLOORBOX LOCATIONS, INCLUDING DIMENSIONS.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

PROJECT NUMBER
25079

ELECTRICAL SYMBOLS AND ABBREVIATIONS

E000

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

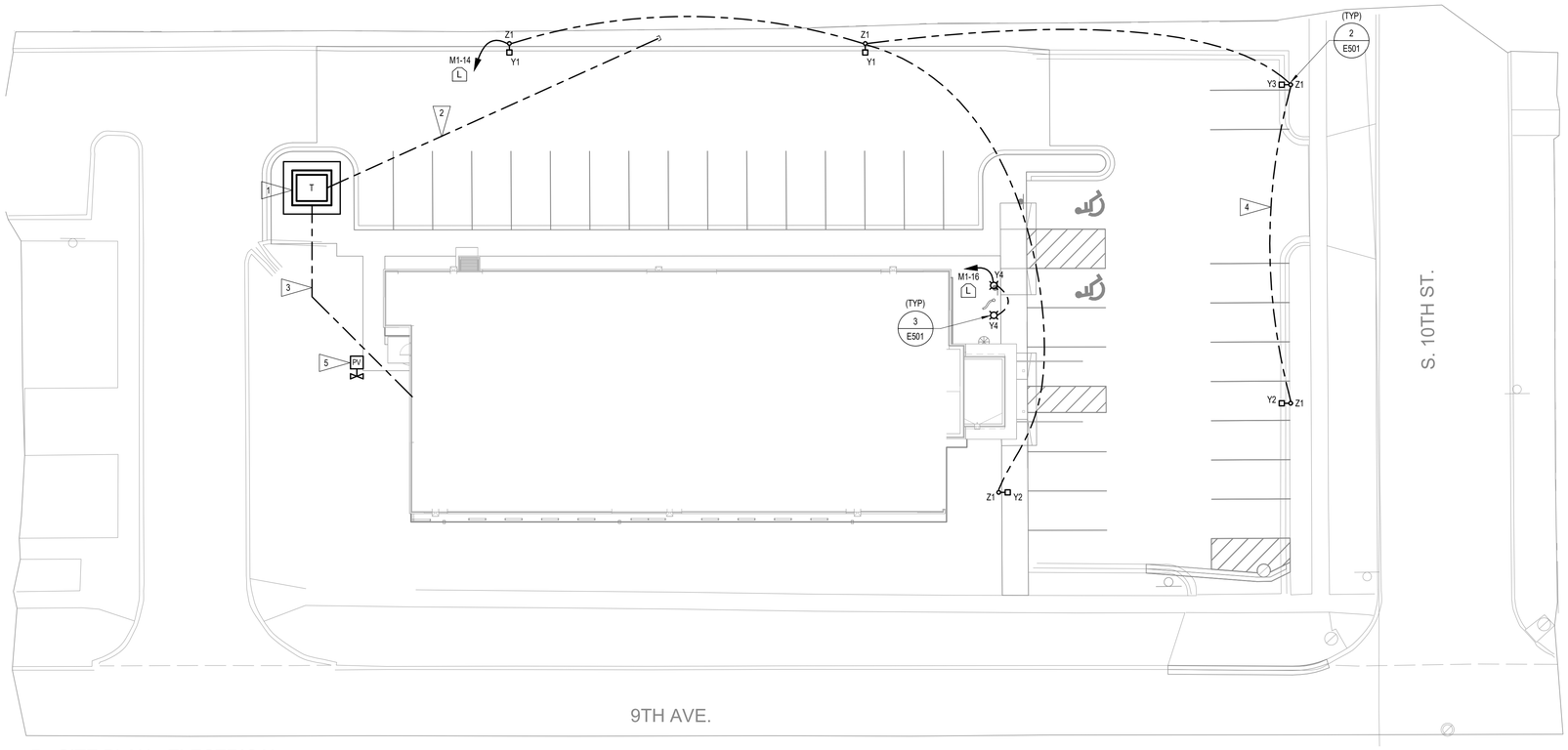
4/21/2026 1:22:44 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. VERIFY EXACT LOCATION OF EXISTING UTILITIES IN THE FIELD PRIOR TO EXCAVATION. REPORT DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND ACTUAL CONDITIONS PRIOR TO PROCEEDING WITH WORK.

FLAG NOTES

1. NEW UTILITY TRANSFORMER. PROVIDE CONCRETE TRANSFORMER PAD WITH SPILL CONTAINMENT PER UTILITY COMPANY REQUIREMENTS. COORDINATE EXACT LOCATION WITH MIDAMERICAN ENERGY PRIOR TO INSTALLATION.
2. (2) 4" PRIMARY CONDUITS WITH MINIMUM 300LB PULL TAPE TO EXISTING UTILITY POLE. COORDINATE EXACT ROUTING WITH MIDAMERICAN ENERGY PRIOR TO INSTALLATION. PROVIDE PULL BOXES AND 48" RADIUS FIBERGLASS ELBOWS AS REQUIRED BY MIDAMERICAN ENERGY.
3. NEW ELECTRICAL SERVICE. REFER TO POWER RISER DIAGRAM. FIELD COORDINATE EXACT ROUTING WITH UTILITIES.
4. CONTRACTOR SHALL CORE DRILL UNDER ANY EXISTING CONCRETE. REFER TO CIVIL DRAWINGS FOR LOCATIONS.
5. PROVIDE FIRE ALARM CONNECTION TO POST INDICATOR VALVE. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION.



1 SITE PLAN - ELECTRICAL
SCALE: 1/16" = 1'-0"
8' 16' 32' 48' 64' 80'

N

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

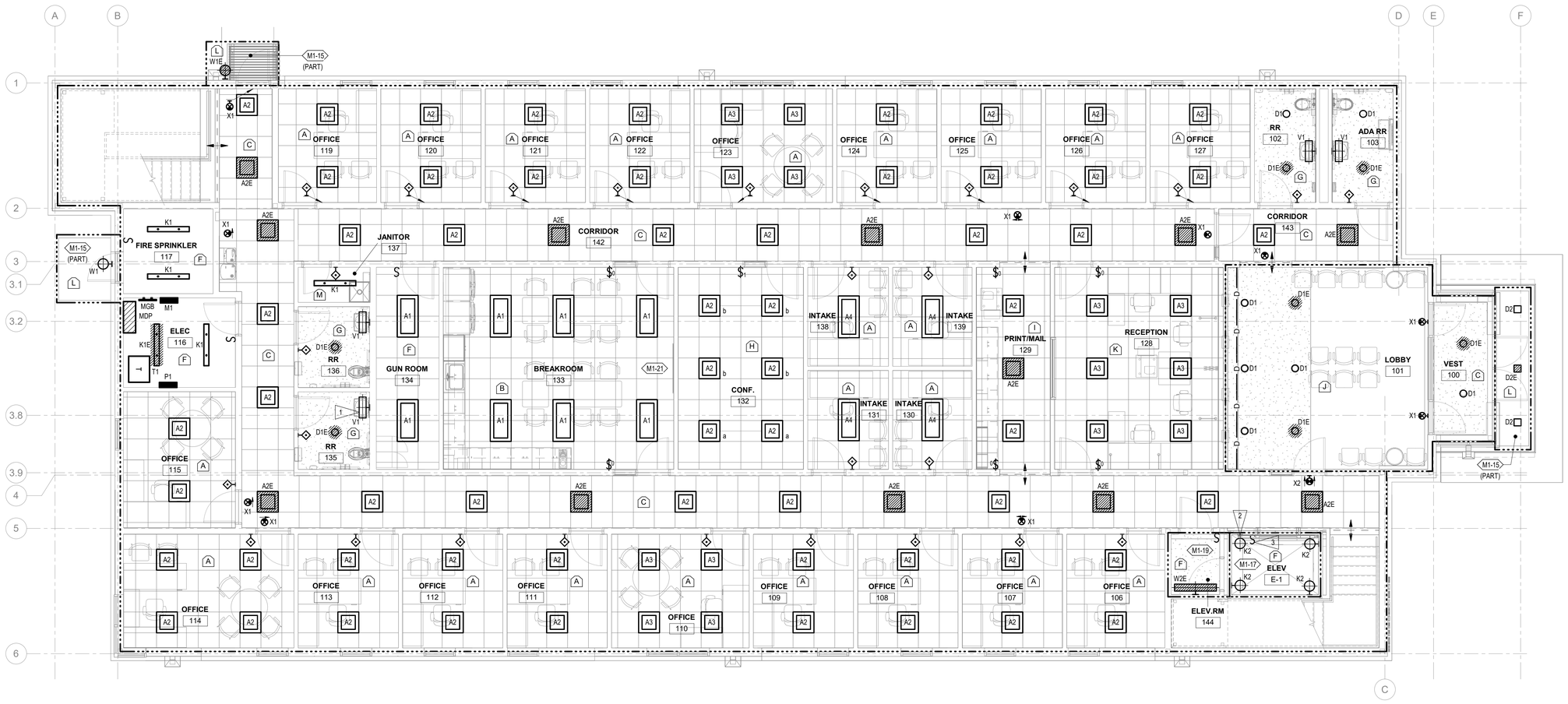
SITE PLAN - ELECTRICAL

E001

4/21/2026 1:22:47 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

FLAG NOTES

1. FIELD COORDINATE FIXTURE MOUNTING HEIGHT WITH MIRROR. TYPICAL OF THIS TYPE.
2. MOUNT VERTICALLY IN CORNER OF PIT, BOTTOM OF LIGHT AT 48" ABOVE PIT FLOOR, VERIFY LOCATION IN CLEAR OF ELEVATOR COMPONENTS.
3. LOCATE SWITCH FOR PIT LIGHTS AT POINT OF ENTRY INTO PIT AT 48" ABOVE FINISHED FLOOR TO BOTTOM OF SWITCH.



1 LEVEL 1 - LIGHTING PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

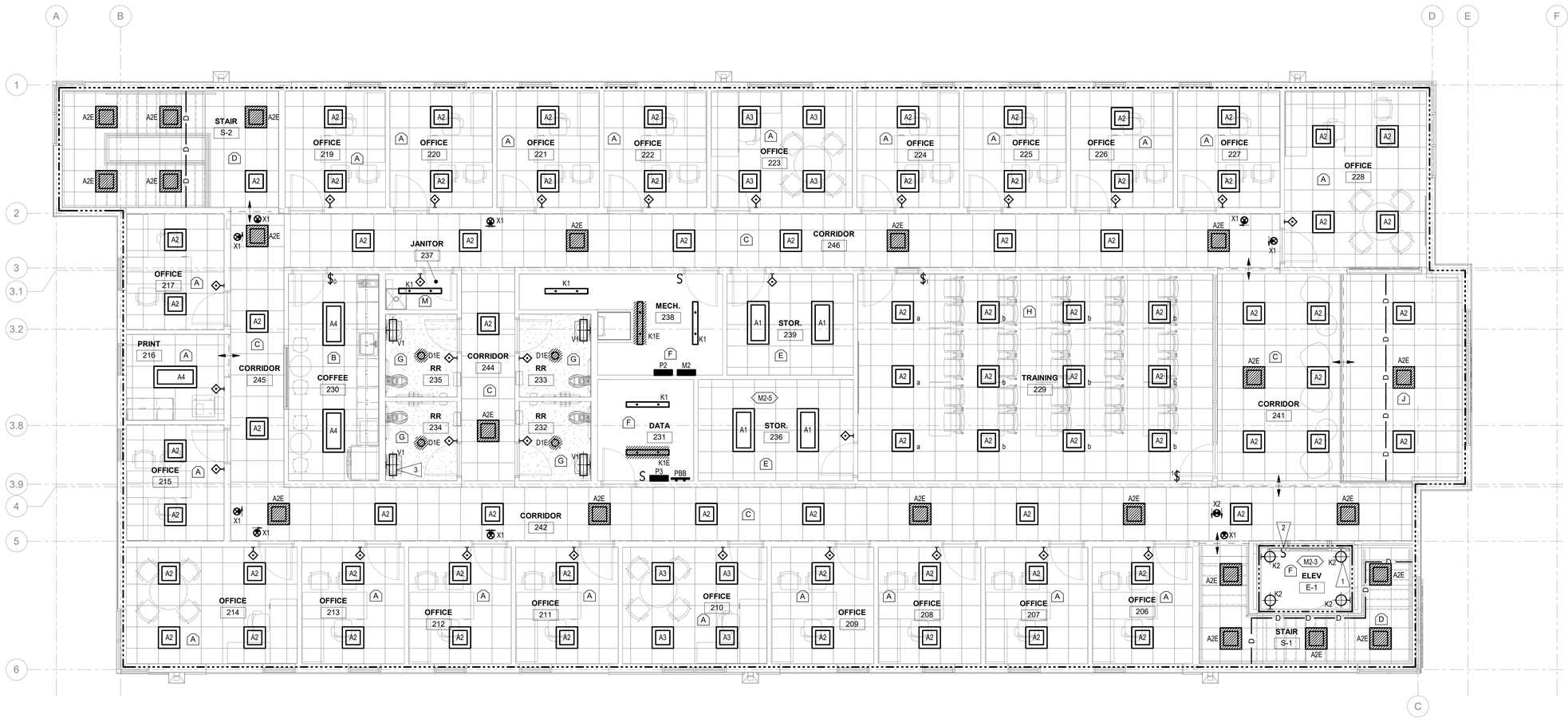
LEVEL 1 - LIGHTING PLAN

E100

4/21/2026 1:22:52 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

FLAG NOTES

1. INSTALL VERTICALLY IN CORNER OF ELEVATOR SHAFT, CENTER OF LIGHT AT 48" ABOVE LEVEL 2 SLAB, VERIFY LOCATION IS CLEAR OF ELEVATOR COMPONENTS.
2. LOCATE SWITCH FOR SHAFT LIGHTS AT POINT OF ENTRY INTO SHAFT AT 48" ABOVE LEVEL 2 SLAB TO BOTTOM OF SWITCH.
3. FIELD COORDINATE FIXTURE MOUNTING HEIGHT WITH MIRROR. TYPICAL OF THIS TYPE.



1 LEVEL 2 - LIGHTING PLAN
SCALE: 3/16" = 1'-0"
3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

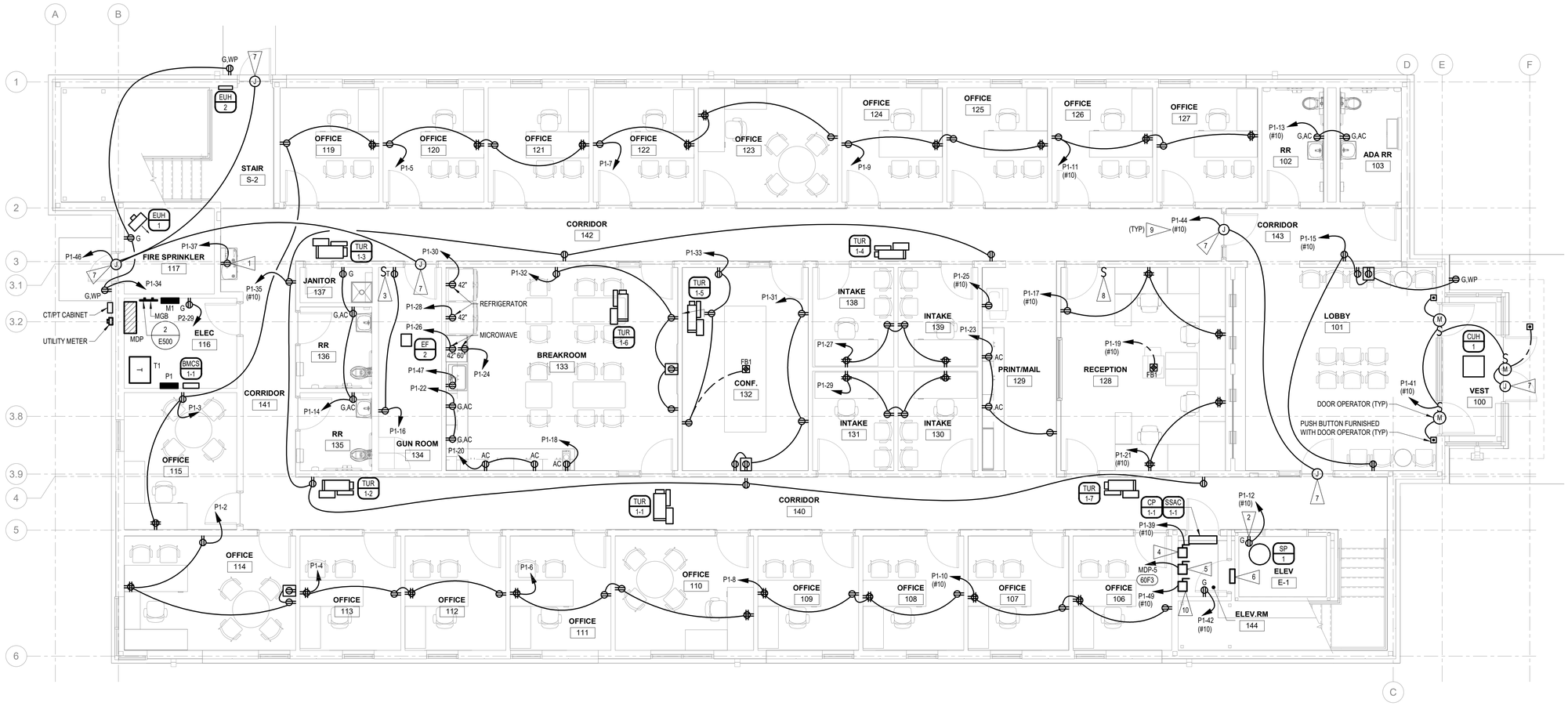
LEVEL 2 - LIGHTING PLAN

E110

4/21/2026 1:22:58 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

FLAG NOTES

1. LOCATE RECEPTACLE SO THAT CORD AND PLUG ARE INSIDE OR BEHIND WATER COOLER.
2. LOCATE AT 48" ABOVE PIT FLOOR.
3. INTERVAL TIMER FOR CONTROL OF EXHAUST FAN SERVING THIS ROOM. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
4. ELEVATOR CAR LIGHT DISCONNECT SWITCH. SEE 4/E500.
5. ELEVATOR CONTROLLER DISCONNECTING MEANS. SEE 4/E500 FOR REQUIREMENTS.
6. ELEVATOR CONTROLLER. SEE 4/E500 FOR INTERCONNECTION REQUIREMENTS.
7. POWER CONNECTION TO ACCESS CONTROLS POWER SUPPLIES, AND ACCESSORIES, AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. COORDINATE WITH ACCESS CONTROLS CONTRACTOR.
8. SWITCH FURNISHED WITH WINDOW SHADES. PROVIDE POWER AND CONTROL WIRING AS REQUIRED BY MANUFACTURER. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION. SEE E201 FOR SHADE LOCATIONS.
9. PROVIDE INDICATED SIZE CONDUCTORS, INCLUDING GROUND, FOR ENTIRE LENGTH OF CIRCUIT(S) INDICATED.
10. ELEVATOR AUDIO/VISUAL IN CAB COMMUNICATIONS DISCONNECT. SEE 4/E500.



1 LEVEL 1 - POWER PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

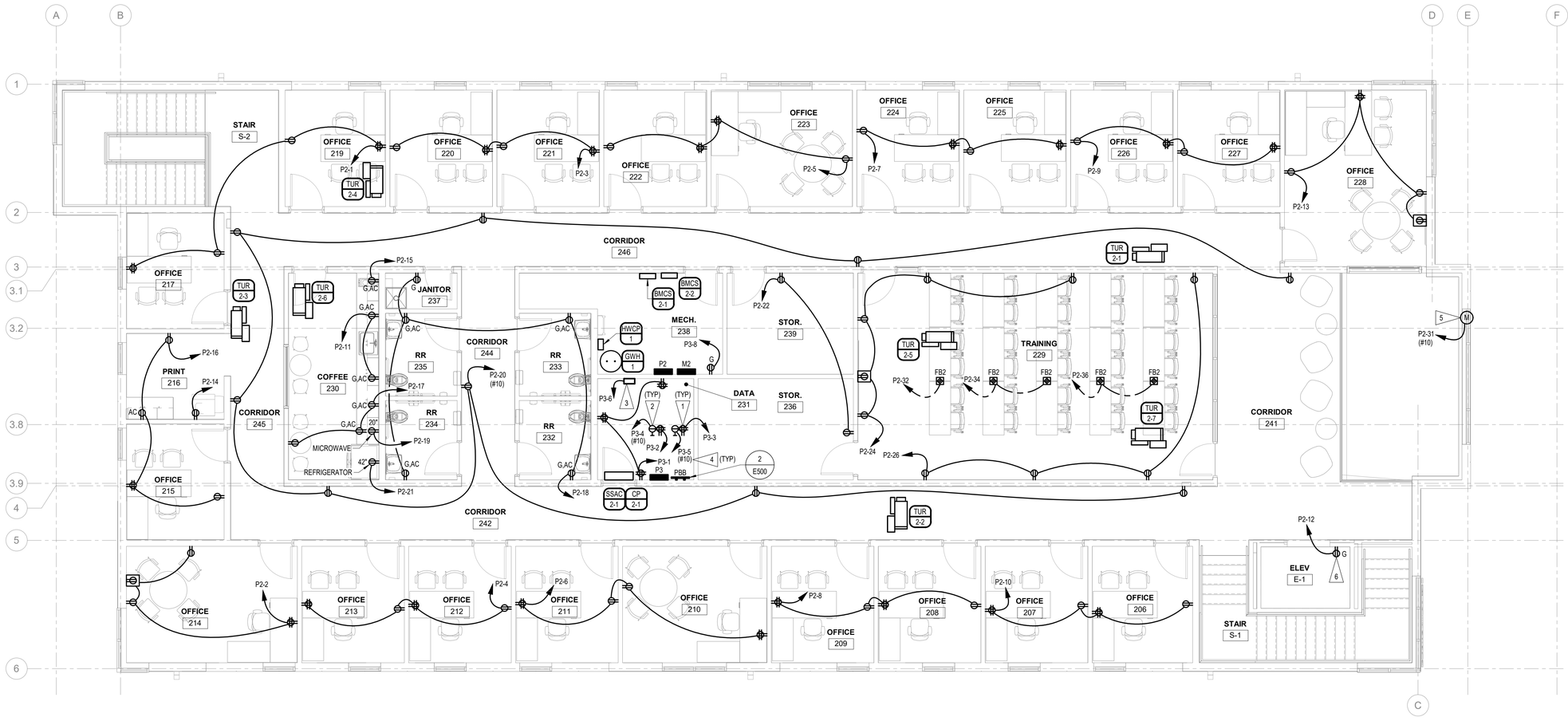
LEVEL 1 - POWER PLAN

E200

4/21/2026 1:23:02 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

FLAG NOTES

1. INSTALL RECEPTACLE TO SIDE OF CABLE TRAY ABOVE RACK. COORDINATE WITH TELECOM CONTRACTOR.
2. INSTALL L5-30 RECEPTACLE TO SIDE OF CABLE TRAY ABOVE RACK. COORDINATE WITH TELECOM CONTRACTOR.
3. POWER CONNECTION TO ACCESS CONTROLS POWER SUPPLY. COORDINATE EXACT LOCATION WITH ACCESS CONTROLS CONTRACTOR.
4. PROVIDE INDICATED SIZE CONDUCTORS, INCLUDING GROUND, FOR ENTIRE LENGTH OF CIRCUIT(S) INDICATED.
5. POWER CONNECTION TO MOTORIZED WINDOW SHADES. VERIFY EXACT QUANTITY AND LOCATION WITH INSTALLER. SEE E200 FOR CONTROL SWITCH LOCATION.
6. LOCATE AT 48" ABOVE SECOND FLOOR SLAB.



1 LEVEL 2 - POWER PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

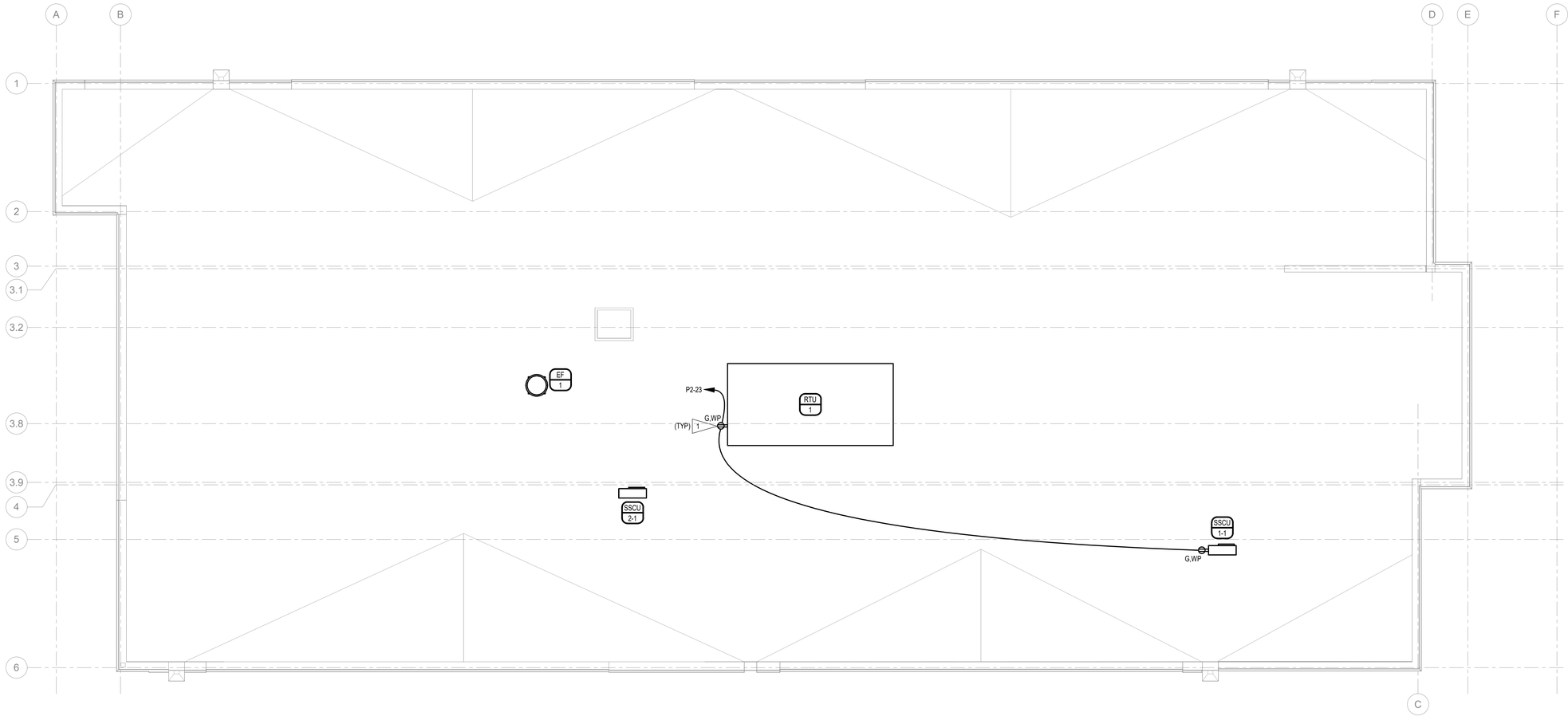
LEVEL 2 - POWER PLAN

E210

4/21/2026 1:23:06 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

FLAG NOTES

1. MOUNT TO SIDE OF THE UNIT. COORDINATE WITH MECHANICAL CONTRACTOR.



1 ROOF PLAN - ELECTRICAL

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

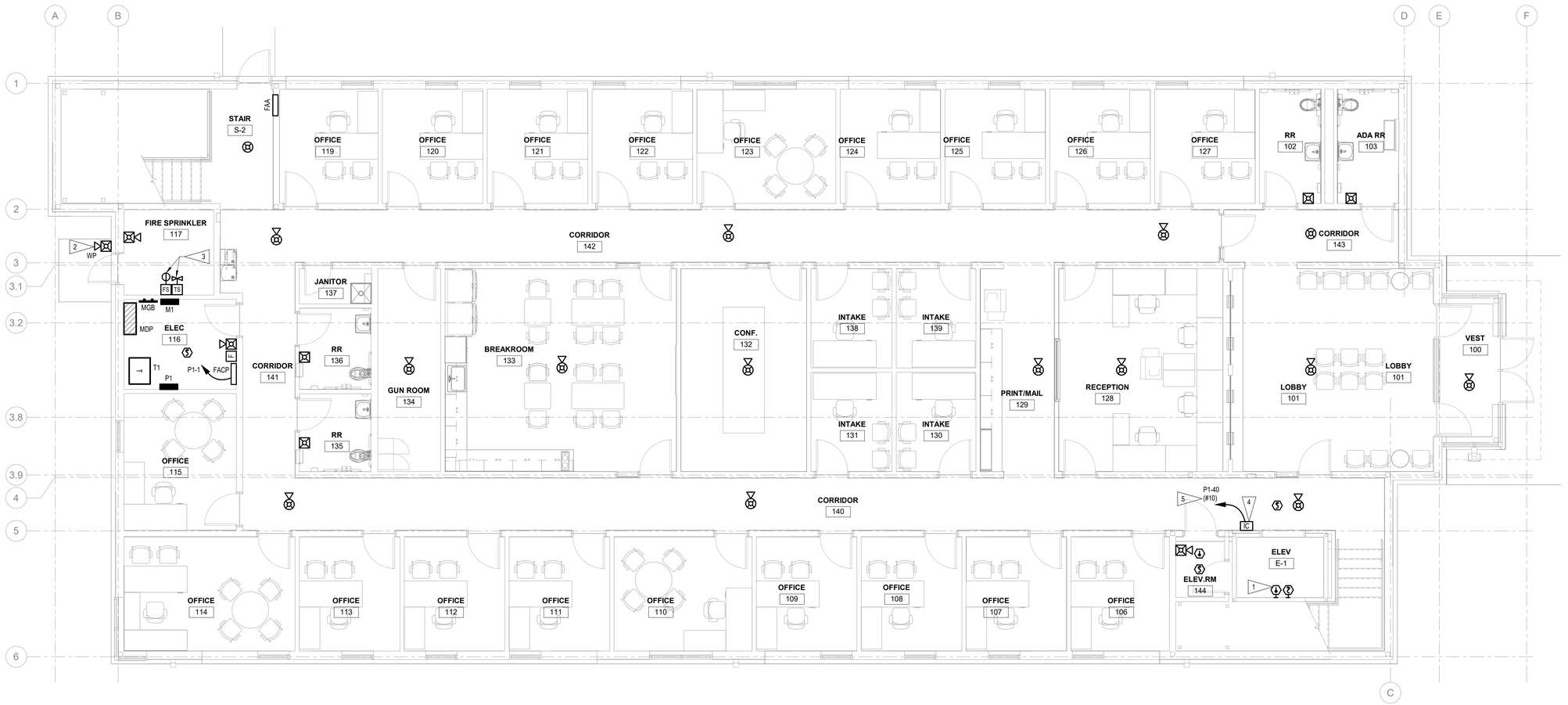
ROOF PLAN - ELECTRICAL

E220

4/21/2026 1:23:08 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

FLAG NOTES

1. PROVIDE HEAT DETECTORS WITHIN 24" OF SPRINKLER HEADS, VERIFY QUANTITY WITH FIRE SPRINKLER CONTRACTOR.
2. INSTALL ABOVE FIRE DEPARTMENT CONNECTION. COORDINATE EXACT LOCATION WITH AHJ.
3. COORDINATE EXACT QUANTITY AND LOCATION WITH SPRINKLER CONTRACTOR.
4. EMERGENCY PHONE MASTER STATION FOR TWO-WAY COMMUNICATIONS SYSTEM. SEE DETAIL 3/E500.
5. PROVIDE INDICATED SIZE CONDUCTORS, INCLUDING GROUND, FOR ENTIRE LENGTH OF CIRCUIT(S).



1 LEVEL 1 - SPECIAL SYSTEMS PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

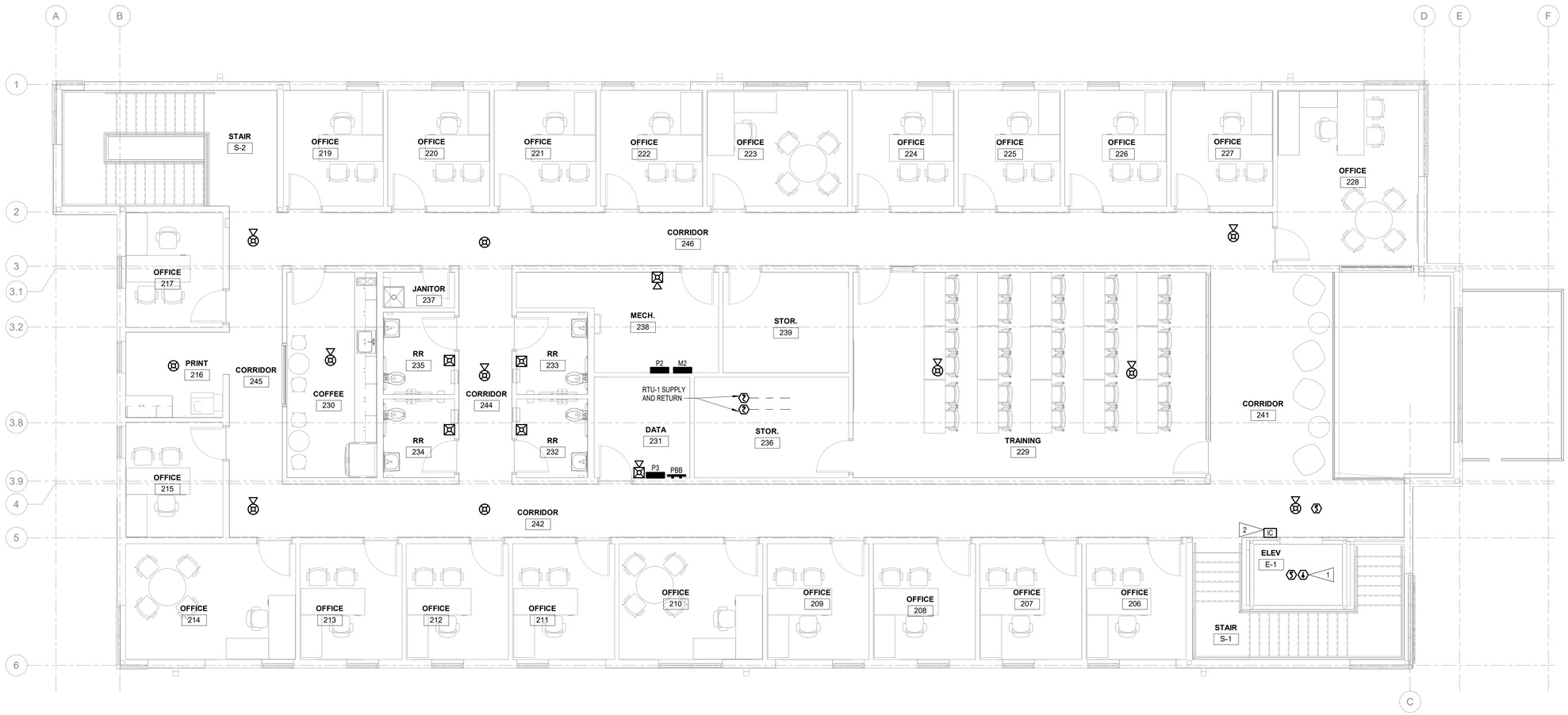
LEVEL 1 - SPECIAL SYSTEMS PLAN

E300

4/21/2026 1:23:12 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

FLAG NOTES

1. PROVIDE HEAT DETECTORS WITHIN 24" OF SPRINKLER HEADS, VERIFY QUANTITY WITH FIRE SPRINKLER CONTRACTOR.
2. EMERGENCY CALL STATION FOR TWO-WAY COMMUNICATIONS SYSTEM. SEE DETAIL 3/E500.



1 LEVEL 2 - SPECIAL SYSTEMS PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

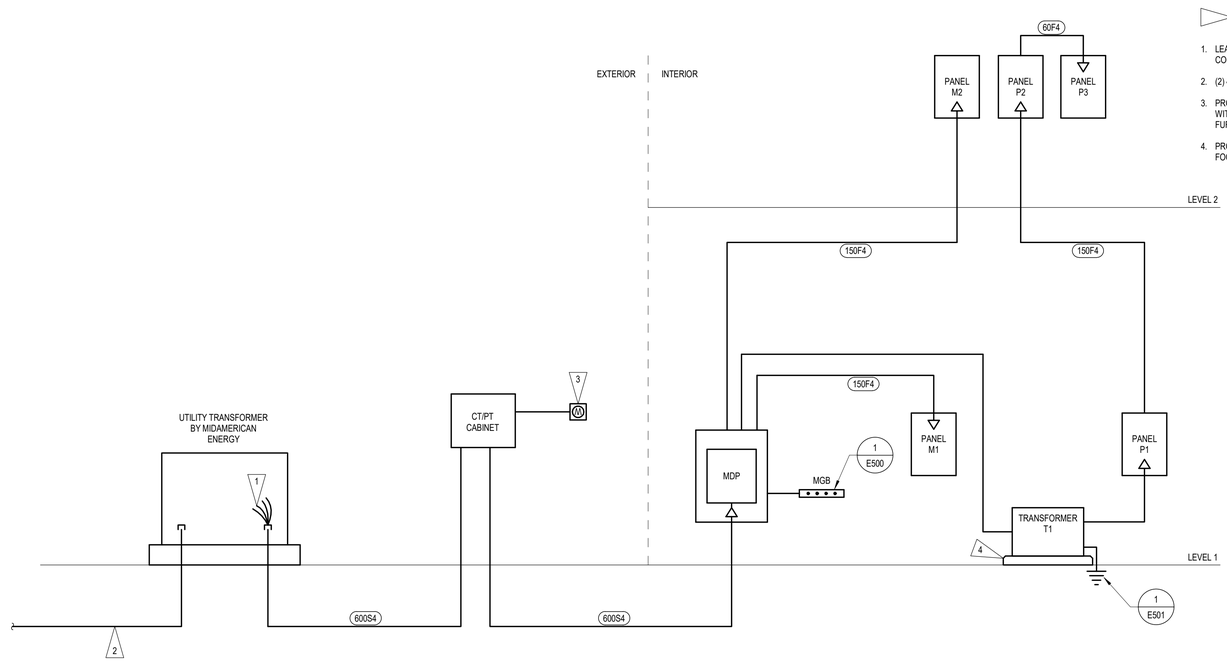
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 2 - SPECIAL SYSTEMS PLAN

E310

4/21/2026 1:23:15 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



FLAG NOTES

1. LEAVE SUFFICIENT LENGTH OF SECONDARY CONDUCTORS FOR UTILITY COMPANY CONNECTION TO TRANSFORMER BY MIDAMERICAN ENERGY.
2. (2) 4" PRIMARY CONDUITS TO PROPERTY LINE. SEE SITE PLAN FOR ROUTING.
3. PROVIDE 1" CONDUIT FROM METER SOCKET TO CT/PT CABINET. COORDINATE WITH MIDAMERICAN ENERGY. METER SOCKET AND CT/PT CABINET SHALL BE FURNISHED BY CONTRACTOR. METER FURNISHED BY MIDAMERICAN ENERGY.
4. PROVIDE 3-1/2" THICK CONCRETE PAD EXTENDING 4" BEYOND EQUIPMENT FOOTPRINT, WITH 3/4" CHAMFER ON ALL SIDES NOT ABUTTING A PARTITION.

1 / E400 ELECTRICAL RISER

NO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

ELECTRICAL RISER

E400

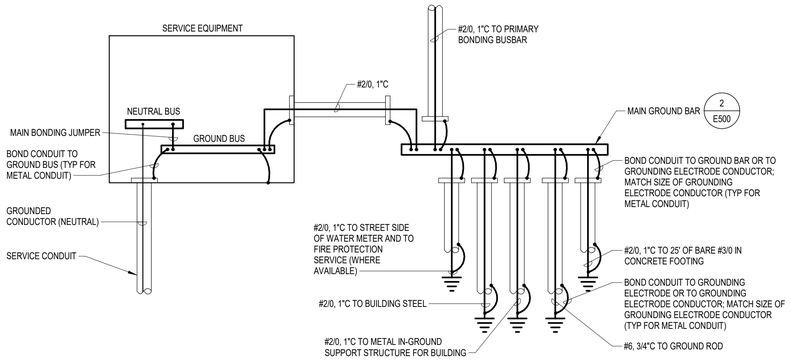
© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

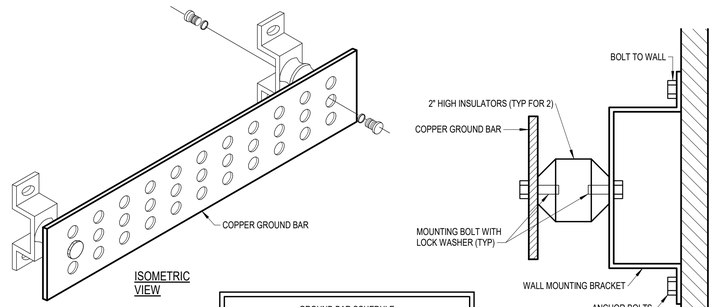
4/21/2026 1:23:16 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 E500 SERVICE GROUNDING

NO SCALE

Std. 05/20/2021



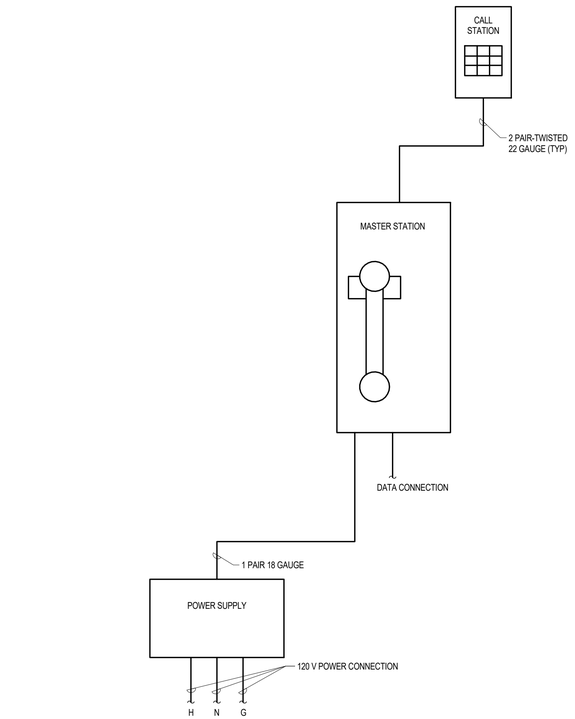
GROUND BAR SCHEDULE		
MARK	NOMINAL SIZE	ERICO CAT #
MGB	1/4" x 4" x 20"	EGBA14420CCT
PBB	1/4" x 4" x 20"	TMGBA20L27PT

NOTE:
1. INCREASE LENGTH OF GROUND BAR AS NECESSARY TO ACCOMMODATE REQUIRED CONNECTIONS.

2 E500 GROUND BAR

NO SCALE

Std. 05/20/2021

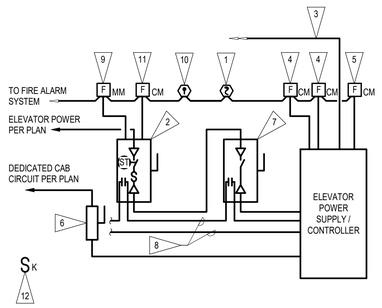


3 E500 TWO WAY COMMUNICATION CONNECTION DIAGRAM

NO SCALE

GENERAL NOTES

1. VERIFY EQUIPMENT LOCATIONS WITH ELEVATOR MANUFACTURER'S SHOP DRAWINGS PRIOR TO INSTALLATION OF EQUIPMENT.
2. PROVIDE HAND-OFF-AUTO SWITCH IN FIRE ALARM CONTROL PANEL FOR CONTROL OF MOTORIZED DAMPER AT TOP OF SHAFT IF REQUIRED. PROGRAM SYSTEM FOR DAMPER CONTROL AS DIRECTED BY AUTHORITY HAVING JURISDICTION. SEE PLANS FOR DAMPER LOCATION AND CIRCUIT.
3. PROVIDE TEMPORARY POWER IN HOISTWAY TO FACILITATE ELEVATOR INSTALLATION PER ELEVATOR MANUFACTURER'S REQUIREMENTS.



FLAG NOTES

1. SMOKE DETECTORS AT MACHINE ROOM OR SPACE, CONTROL ROOM OR SPACE, ELEVATOR LANDINGS, AND TOP OF ELEVATOR HOISTWAY PER PLAN. ALARM ACTIVATION OF THESE DETECTORS SHALL INITIATE ELEVATOR RECALL PER AHJ.
2. ELEVATOR CONTROLLER DISCONNECTING MEANS. FUSIBLE SHUNT TRIP SAFETY SWITCH PER PLAN - MANUFACTURED BY BUSSMANN, MERSEN OR LITTLEFUSE. PROVIDE WITH CONTROL POWER TRANSFORMER, SHUNT TRIP VOLTAGE MONITOR, FIRE SAFETY INTERFACE RELAY AND AUXILIARY CONTACTS (1 SET). PROVIDE CLASS J FUSES SIZED PER ELEVATOR MANUFACTURER'S RECOMMENDATIONS. PROVIDE PHENOLIC NAMEPLATE ON ENCLOSURE WITH NUMBER CORRESPONDING TO THE IDENTIFYING NUMBER OF THE ELEVATOR CAR.
3. PROVIDE TELEPHONE CABLE IN CONDUIT TO PUNCHDOWN BLOCK IN NEAREST TELECOM ROOM. COORDINATE TERMINATION WITH ELEVATOR MANUFACTURER. PROVIDE 3/4" EMPTY CONDUIT FOR SECURTY/ACCESS CONTROL SYSTEM, VERIFY LOCATION OF CONTROL PANEL.
4. ELEVATOR RECALL. PROVIDE CONTROL MODULES TO INITIATE ELEVATOR RECALL PER NFPA 72.
5. ELEVATOR CAR VISUAL SIGNAL.
6. 30-AMP ENCLOSED FUSIBLE SAFETY SWITCH. QUANTITY AND LOCATION PER PLAN. SWITCH(ES) SHALL BE LOCKABLE IN OPEN POSITION FUSED PER ELEVATOR MANUFACTURER REQUIREMENTS. PROVIDE PHENOLIC NAMEPLATE ON ENCLOSURE WITH NUMBER CORRESPONDING TO THE IDENTIFYING NUMBER OF ELEVATOR CAR, AND THE LOCATION OF THE SUPPLY SIDE OVERCURRENT PROTECTION DEVICE.
7. PROVIDE NON-FUSED, ENCLOSED SAFETY SWITCH WHEN ELEVATOR POWER SUPPLY / CONTROLLER IS LOCATED IN HOISTWAY. PROVIDE WITH AUXILIARY CONTACTS (1 SET) IN NEMA 1 ENCLOSURE, LOCKABLE IN THE OPEN POSITION. CONTACT SHALL OPEN WHEN DISCONNECT IS IN THE OFF STATE. LOCATE WITHIN SIGHT OF CONTROLLER. SIZE SWITCH TO MATCH UPSTREAM ELEVATOR DISCONNECT.
8. WHEN AUTOMATIC LOWERING FEATURE IS INCLUDED WITH THE ELEVATOR, PROVIDE TWO (2) #18AWG THHN STRANDED COPPER CONDUCTORS FROM AUX CONTACTS ON ELEVATOR DISCONNECTING MEANS TO ELEVATOR CONTROLLER. WHEN ADDITIONAL NON-FUSED DISCONNECT IS PROVIDED IN HOISTWAY, CONNECT AUXILIARY CONTACTS ON BOTH DISCONNECTS IN SERIES.
9. MONITOR MODULE FOR SHUNT TRIP VOLTAGE MONITORING. CONNECT TO SHUNT TRIP SWITCH TO INITIATE FIRE ALARM SUPERVISORY SIGNAL UPON LOSS OF SHUNT TRIP POWER.
10. HEAT DETECTORS IN MACHINE ROOM OR SPACE, CONTROL ROOM OR SPACE, AND TOP AND BOTTOM OF HOISTWAY PER PLAN. PROVIDE DETECTORS WITH LOWER ALARM TEMPERATURE AND HIGHER SENSITIVITY THAN SPRINKLER HEADS PER ELEVATOR CODE. PROVIDE DETECTORS WITHIN 24" OF SPRINKLER HEADS PER NFPA 72. UPON "VERIFIED ALARM" ACTIVATION OF SENSORS SHALL SHUT DOWN POWER TO ELEVATOR.
11. ELEVATOR POWER SHUNT TRIP. CONNECT TO FIRE SAFETY INTERFACE IN ELEVATOR CONTROLLER DISCONNECTING MEANS.
12. SUMP PUMP KEYED SWITCH. FIELD COORDINATE EXACT LOCATION WITH AHJ.

4 E500 ELEVATOR INTERCONNECTION SCHEMATIC (SPRINKLERED)

NO SCALE

Std. 05/09/2019

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services · kpff · IOWA · Samuels Group · SNYDER & ASSOCIATES · Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

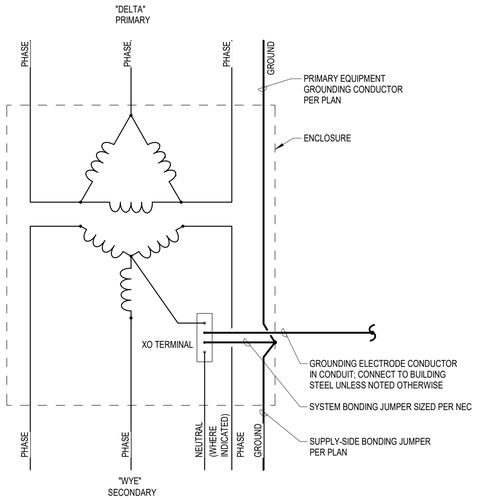
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

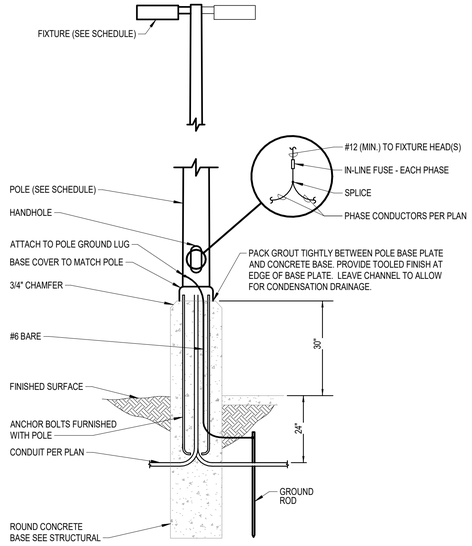
ELECTRICAL DETAILS

E500

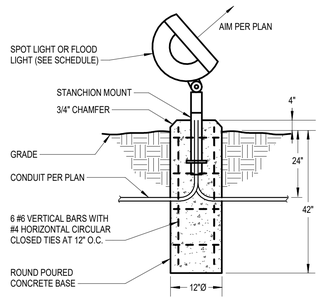
4/21/2026 1:23:18 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 E501 DRY TYPE TRANSFORMER GROUNDING
NO SCALE
Std. 02/04/2022



2 E501 POLE ABOVE GROUND
NO SCALE
Std. 09/03/2025



3 E501 GRADE LEVEL FLOOD/SPOT LIGHT
NO SCALE
Std. 11/20/2023

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

ELECTRICAL DETAILS

E501

4/21/2026 1:23:19 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

LIGHTING CONTROL SCHEDULE

MARK	MOUNTING	OCCUPANCY SENSOR: MANUAL ON	OCCUPANCY SENSOR: AUTO ON	OCCUPANCY SENSOR: OCCUPANT DETECTION TIME-OUT	LOCAL ON/OFF	DIMMING	PARTITION SENSOR CONTROL	DAYLIGHT HARVESTING, WHERE INDICATED (TARGET FOOTCANDLES)	CONNECTED TO NETWORKED LIGHTING CONTROL SYSTEM	CONTROL INTERFACE FOR AV SYSTEM	EXTERIOR PHOTOCELL CONTROL	TIME OF DAY CONTROL	CONTROLLED RECEPTACLE(S)	SPACE TYPE	REMARKS
A	INTEGRAL TO SWITCH	X		20 MIN	X	X								OFFICE	
B	CEILING	X		20 MIN	X									BREAK ROOM	
C	CEILING		100%	20 MIN					X					CORRIDOR	2
D	CEILING		100%	20 MIN				20						STAIRS	1
E	INTEGRAL TO SWITCH	X		20 MIN	X									STORAGE	
F	NONE				X									MECH/ELEC	
G	INTEGRAL TO SWITCH	X		20 MIN	X									RESTROOM	
H	CEILING	X		20 MIN	X	X								TRAINING/ CONFERENCE ROOM	
I	CEILING	X		20 MIN	X									WORK ROOM	
J	CEILING		100%	20 MIN				30	X					LOBBY	2
K	CEILING	X		20 MIN	X									RECEPTION	
L	NONE								X		X	X		EXTERIOR	
M	INTEGRAL TO SWITCH	X		20 MIN	X									JANITOR	

GENERAL NOTES
A. SEE LOW VOLTAGE SWITCH SCHEDULE FOR SWITCH/CONTROL REQUIREMENTS.
B. LIGHTING CONTROL DEVICES (WITH THE EXCEPTION OF SWITCHES) ARE NOT INDICATED ON LIGHTING PLANS. LIGHTING CONTROL SCHEDULE INDICATES CONTROL INTENT. PROVIDE SENSORS AND RELATED EQUIPMENT AS REQUIRED FOR COMPLETE COVERAGE AND CONTROL SCHEMES. SUBMIT SHOP DRAWINGS INDICATING DEVICE LAYOUT AND CIRCUITING. SEE SPECIFICATIONS.
C. EMERGENCY LUMINAIRES IDENTIFIED AS NIGHT LIGHTING (NL) SHALL BE CONNECTED UNSWITCHED TO THE INDICATED EMERGENCY POWER CIRCUIT.
D. EMERGENCY LIGHTING CONTROL:
1. UNLESS INDICATED AS A NIGHTLIGHT (NL), EMERGENCY LIGHTING SHALL:
   - BE PROVIDED WITH AN EMERGENCY RELAY FOR EACH LIGHTING CONTROL ZONE. RELAY SHALL BE COMPATIBLE WITH DIMMING CONTROLS SPECIFIED FOR EACH SPACE.
   - BE CONTROLLED WITH THE NORMAL LUMINAIRES OF THE SAME ZONE WHEN NORMAL POWER IS PRESENT.
2. PROVIDE A UL1008 RELAY (BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH) WHERE INDICATED ON THE PLANS FOR LUMINAIRES ON EMERGENCY POWER.
3. PROVIDE A UL924 RELAY (AUTOMATIC LOAD CONTROL RELAY) FOR REMAINING APPLICATIONS.

REMARKS
1. LUMINAIRE(S) TO DIM TO 50% LIGHT OUTPUT WHEN NO MOTION IS DETECTED FOR 20 MINUTES.
2. OCCUPANCY SENSORS DEACTIVATED DURING NORMAL BUSINESS HOURS. SENSORS TO PROVIDE AUTOMATIC ON/OFF AFTER HOURS CONTROLS.

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	CATALOG NO.	SOURCE DATA: LUMENS	SOURCE DATA: LOAD (VA)	SOURCE DATA: PER FOOT	DIMMING PROTOCOL	COLOR TEMP (K)	VOLTAGE	MOUNTING	FINISH	ALTERNATE MANUFACTURER	REMARKS
A1	2'X4' LED TROFFER, STEEL HOUSING, CENTER CURVED SMOOTH ACRYLIC DIFFUSER, 80 CRI	METALUX	24CZ2	3700	27.3		0-10V TO 10%	4000	277 V	RECESSED, GRID	WHITE		
A2	2'X2' LED TROFFER, STEEL HOUSING, CENTER CURVED SMOOTH ACRYLIC DIFFUSER, 80 CRI	METALUX	22CZ2	3300	24.0		0-10V TO 10%	4000	277 V	RECESSED, GRID	WHITE		
A2E	2'X2' LED TROFFER, STEEL HOUSING, CENTER CURVED SMOOTH ACRYLIC DIFFUSER, 80 CRI, INTEGRAL 10W EMERGENCY BATTERY	METALUX	22CZ2	3300	24.0		0-10V TO 10%	4000	277 V	RECESSED, GRID	WHITE		
A3	2'X2' LED TROFFER, STEEL HOUSING, CENTER CURVED SMOOTH ACRYLIC DIFFUSER, 80 CRI	METALUX	22CZ2	2500	18.5		0-10V TO 10%	4000	277 V	RECESSED, GRID	WHITE		
A4	2'X4' LED TROFFER, STEEL HOUSING, CENTER CURVED SMOOTH ACRYLIC DIFFUSER, 80 CRI	METALUX	24CZ2	4200	30.4		0-10V TO 10%	4000	277 V	RECESSED, GRID	WHITE		
D1	6" DOWNLIGHT, STEEL HOUSING, FROSTED LENS, WHITE BEZEL AND TRIM, 60 DEGREE BEAM, 80 CRI	ALPHABET	NU6 RD	1510	12.0		0-10V TO 10%	4000	277 V	RECESSED	WHITE		
D1E	6" DOWNLIGHT, STEEL HOUSING, FROSTED LENS, WHITE BEZEL AND TRIM, 60 DEGREE BEAM, 80 CRI, INTEGRAL 7W EMERGENCY BATTERY	ALPHABET	NU6 RD	1510	12.0		0-10V TO 10%	4000	277 V	RECESSED	WHITE		
D2	6" SQUARE DOWNLIGHT, STEEL HOUSING, FROSTED LENS, WHITE BEZEL AND TRIM, 60 DEGREE BEA, 80 RFI	ALPHABET	NU6 QD	1460	15.0		0-10V TO 10%	4000	277 V	RECESSED	WHITE		
D2E	6" SQUARE DOWNLIGHT, STEEL HOUSING, FROSTED LENS, WHITE BEZEL AND TRIM, 60 DEGREE BEA, 80 RFI, INTEGRAL 7W EMERGENCY BATTERY	ALPHABET	NU6 QD	1460	15.0		0-10V TO 10%	4000	277 V	RECESSED	WHITE		
K1	4' STRIP LIGHT, STEEL HOUSING, FROSTED ROUND ACRYLIC LENS, 80 CRI	METALUX	SNLED	4100	31.0		0-10V TO 10%	4000	277 V	CHAIN HUNG	WHITE		
K1E	4' STRIP LIGHT, STEEL HOUSING, FROSTED ROUND ACRYLIC LENS, 80 CRI, INTEGRAL 14W EMERGENCY BATTERY	METALUX	SNLED	4100	31.0		0-10V TO 10%	4000	277 V	CHAIN HUNG	WHITE		
K2	4' LOW-PROFILE ENCLOSED AND GASKETED INDUSTRIAL, FIBERGLASS HOUSING, HIGH-IMPACT RESISTANT FROSTED ACRYLIC LENS, WIDE DISTRIBUTION, 80 CRI	LITHONIA	FEM	6000	38.0		0-10V TO 10%	4000	277 V	SURFACE, WALL	WHITE		
V1	2'-0" LINEAR, SQUARE PROFILE WITH THREE SIDED FROSTED ACRYLIC WHITE LENS AND SOLID END CAPS, ALUMINUM HOUSING, ADA COMPLIANT FOR WALL MOUNTING, 80 CRI	BIRCHWOOD	225	350	3.0	X	0-10V TO 10%	4000	277 V	SURFACE, WALL	WHITE		
W1	WALL MOUNT AREA LIGHT, WET LOCATION, DIE CAST ALUMINUM HOUSING, TYPE 3 DISTRIBUTION, 80 CRI	LITHONIA	DSXW1	3000	21.0		0-10V TO 10%	4000	277 V	SURFACE, WALL	DARK BRONZE		
W1E	WALL MOUNT AREA LIGHT, WET LOCATION, DIE CAST ALUMINUM HOUSING, TYPE 3 DISTRIBUTION, 80 CRI, INTEGRAL 10 W COLD WEATHER BATTERY	LITHONIA	DSXW1	3000	21.0		0-10V TO 10%	4000	277 V	SURFACE, WALL	DARK BRONZE		
W2E	4' STRIP LIGHT, STEEL HOUSING, FROSTED ROUND ACRYLIC LENS, 80 CRI, INTEGRAL 14W EMERGENCY BATTERY	METALUX	SNLED	4100	31.0		0-10V TO 10%	4000	277 V	SURFACE, WALL	WHITE		
X1	SINGLE FACE EXIT SIGN, DIE CAST ALUMINUM HOUSING, RED LETTERS, INTEGRAL NICKEL-CADMIUM BATTERY	DUALLITE	SE	0	5.0				277 V	UNIVERSAL	WHITE		1
X2	DUAL FACE EXIT SIGN, DIE CAST ALUMINUM HOUSING, RED LETTERS, INTEGRAL NICKEL-CADMIUM BATTERY	DUALLITE	SE	0	5.0				277 V	UNIVERSAL	WHITE		1
Y1	POLE MOUNT AREA LIGHT, WET LOCATION, DIE CAST ALUMINUM HOUSING, TYPE 4 DISTRIBUTION, HOUSE SIDE SHIELD	LITHONIA	DSX1	7300	51.0		0-10V TO 10%	4000	277 V	POLE	DARK BRONZE		
Y2	POLE MOUNT AREA LIGHT, WET LOCATION, DIE CAST ALUMINUM HOUSING, TYPE 4 DISTRIBUTION	LITHONIA	DSX1	7300	51.0		0-10V TO 10%	4000	277 V	POLE	DARK BRONZE		
Y3	POLE MOUNT AREA LIGHT, WET LOCATION, DIE CAST ALUMINUM HOUSING, RIGHT ROTATED OPTICS	LITHONIA	DSX1	5300	51.0		0-10V TO 10%	4000	277 V	POLE	DARK BRONZE		
Y4	COMPACT FLOODLIGHT, WET LOCATION, DIE CAST ALUMINUM HOUSING, NARROW DISTRIBUTION, 80 CRI	BEGA	77-681	1330	13.9		0-10V TO 10%	4000	277 V	SURFACE	DARK BRONZE		

GENERAL NOTES
A. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
B. CONTRACTOR TO VERIFY LUMINAIRE CATALOG NUMBER AND INSTALLATION REQUIREMENTS PRIOR TO ORDERING.
C. LUMINAIRE MARKS WITH THE LETTER "E" SUFFIX SHALL BE PROVIDED WITH AN EMERGENCY BATTERY PACK.
D. LUMINAIRE MARKS WITH THE LETTER "S" SUFFIX SHALL BE PROVIDED WITH INTEGRAL SENSOR(S).
E. LISTED ALTERNATE MANUFACTURERS ARE PERMITTED TO BID AN EQUIVALENT LUMINAIRE WHICH COMPLIES WITH THE PRODUCT REQUIREMENTS IDENTIFIED IN THIS SCHEDULE AND THE SPECIFICATIONS WITHOUT SUBMITTING A PRIOR APPROVAL REQUEST. ALTERNATE LUMINAIRES WILL BE REVIEWED PRIOR TO BIDDING AND THE MANUFACTURER WILL BE RESPONSIBLE TO PROVIDE A LUMINAIRE WHICH MEETS THE PRODUCT REQUIREMENTS.
F. ELECTRICAL CONTRACTOR SHALL PROVIDE THE SPECIFIED LUMINAIRES DEFINED WITHIN THIS SCHEDULE AND ASSOCIATED CONTRACT DOCUMENTS. IF REQUIRED, THE ELECTRICAL CONTRACTOR MAY UTILIZE MULTIPLE DISTRIBUTORS AND/OR DISTRIBUTORS MAY UTILIZE MULTIPLE LIGHTING MANUFACTURER REPRESENTATIVES TO COMPLY WITH THE CONTRACT DOCUMENTS FOR THIS PROJECT.
REMARKS
1. PROVIDE CHEVRONS AS INDICATED ON FLOOR PLANS.

LOW VOLTAGE SWITCH SCHEDULE

SWITCH MARK $ x	MINIMUM BUTTON QUANTITY	BUTTON ENGRAVED LABEL	ROOM ZONES CONTROLLED	FUNCTION	REMARKS
$ 0	1	ON/OFF	SEE PLANS	ON/OFF	
$ 1	5	ON/OFF FRONT BACK RAISE LOWER	SEE PLANS	ON/OFF ROOM LIGHTS ON/OFF FRONT ON/OFF BACK DIM UP DIM DOWN	

GENERAL NOTES
A. PROVIDE EACH LOW-VOLTAGE SWITCH WITH PRE-ENGRAVED FACTORY LABELED BUTTONS INDICATING FUNCTION. WHERE MULTIPLE SWITCHES ARE GROUPED IN A SINGLE LOCATION OR FACEPLATE, PROVIDE ENGRAVED FACEPLATE INDICATING ZONE OR SPACE CONTROLLED.
B. EACH SPACE SHALL HAVE MINIMUM OF ONE ZONE OF CONTROL. WHERE MORE THAN ONE LIGHTING ZONE IS PRESENT, LOWERCASE LETTERING INDICATES SEPARATE LIGHTING ZONE WITHIN A ROOM.
C. DIMMING CONTROLS ON SCENE CONTROLLERS SHALL BE CAPABLE OF CONTROLLING ALL ZONES WITHIN SPACE.
D. VERIFY INTEGRAL WALL SWITCH OCCUPANCY SENSOR REQUIREMENTS WITH LIGHTING CONTROL SCHEDULE.

SITE LIGHTING POLE SCHEDULE

MARK	LUMINAIRE QUAN. PER POLE	POLE HT. (FT.)	POLE TYPE	REMARKS
Z1	1	16' - 0"	RTS	

GENERAL NOTES
A. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
B. CONTRACTOR TO VERIFY INSTALLATION REQUIREMENTS PRIOR TO ORDERING.
C. POLE FINISH SHALL MATCH LUMINAIRE FINISH.
D. PROVIDE EACH POLE WITH POWDER COAT FINISH APPLIED OVER EPOXY PRIMER. SEE SPECIFICATIONS.
E. POLE TYPE DESCRIPTION (ABC):
   A - SHAPE, R-ROUND, S-SQUARE
   B - PROFILE, S-STRAIGHT, T-TAPERED
   C - MATERIAL, A-ALUMINUM, S-STEEL
F. PROVIDE INTERNAL VIBRATION DAMPENER FOR EACH POLE.
G. REFER TO PLANS FOR LUMINAIRE ORIENTATION.

GENERAL NOTES

A. MANUFACTURERS AND MODELS NOTED IN SCHEDULES ARE BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS. FOR MANUFACTURERS NOT LISTED IN SPECIFICATION SUBSTITUTION REQUESTS CAN BE SUBMITTED FOR REVIEW PRIOR TO BID. REFER TO SPECIFICATION SECTION 012500 FOR SUBSTITUTION REQUEST PROCEDURES AND FORM.

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

ELECTRICAL SCHEDULES

E600

4/21/2026 1:23:21 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

FEEDER AND BRANCH CIRCUIT SCHEDULE

MARK	CONDUCTORS AND CONDUIT
	2 WIRE PLUS GROUND
20F2	2 #12, #12 GND. 1/2" C.
30F2	2 #10, #10 GND. 1/2" C.
40F2	2 #8, #10 GND. 3/4" C.
50F2	2 #8, #10 GND. 3/4" C.
60F2	2 #6, #10 GND. 3/4" C.
	3 WIRE PLUS GROUND
20F3	3 #12, #12 GND. 1/2" C.
30F3	3 #10, #10 GND. 1/2" C.
40F3	3 #8, #10 GND. 3/4" C.
50F3	3 #8, #10 GND. 3/4" C.
60F3	3 #6, #10 GND. 1" C.
70F3	3 #4, #8 GND. 1" C.
80F3	3 #4, #8 GND. 1" C.
90F3	3 #4, #8 GND. 1" C.
100F3	3 #3, #8 GND. 1-1/4" C.
125F3	3 #2, #6 GND. 1-1/4" C.
150F3	3 #1/0, #6 GND. 1-1/2" C.
175F3	3 #2/0, #6 GND. 1-1/2" C.
200F3	3 #3/0, #6 GND. 2" C.
225F3	3 #4/0, #4 GND. 2" C.
250F3	3 #4/0, #4 GND. 2" C.
300F3	3 300 KCMIL, #4 GND. 2-1/2" C.
350F3	3 400 KCMIL, #3 GND. 2-1/2" C.
400F3	3 500 KCMIL, #3 GND. 3" C.
	4 WIRE PLUS GROUND
20F4	4 #12, #12 GND. 1/2" C.
30F4	4 #10, #10 GND. 3/4" C.
40F4	4 #8, #10 GND. 3/4" C.
50F4	4 #8, #10 GND. 3/4" C.
60F4	4 #6, #10 GND. 1" C.
70F4	4 #4, #8 GND. 1-1/4" C.
80F4	4 #4, #8 GND. 1-1/4" C.
90F4	4 #4, #8 GND. 1-1/4" C.
100F4	4 #3, #8 GND. 1-1/4" C.
125F4	4 #2, #6 GND. 1-1/4" C.
150F4	4 #1/0, #6 GND. 2" C.
175F4	4 #2/0, #6 GND. 2" C.
200F4	4 #3/0, #6 GND. 2" C.
225F4	4 #4/0, #4 GND. 2-1/2" C.
250F4	4 #4/0, #4 GND. 2-1/2" C.
300F4	4 300 KCMIL, #4 GND. 3" C.
350F4	4 500 KCMIL, #3 GND. 3" C.
400F4	4 500 KCMIL, #3 GND. 3 1/2" C.
	SERVICE CONDUCTORS
600S4	4 350 KCMIL IN EACH OF (2) 3" C.

TRANSFORMER SCHEDULE

TRANSFORMER	VOLTAGE	KVA RATING	MOUNTING	CONDUCTORS			REMARKS
				PRIMARY	SECONDARY	GROUNDING ELECTRODE CONDUCTOR	
T1	480V DELTA 208Y/120V	112 1/2	PAD	3-#2/0, #6 GND, 1-1/2"C	4-600KCM, #1/0 GND, 3-1/2"C	#1/0 3/4"C	

MECHANICAL / ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS:

A	AMPS	C	COMBINATION STARTER AND SAFETY SWITCH	S	SWITCH	N1	NEMA 1
ENCL	ENCLOSURE	CB	CIRCUIT BREAKER	SF	SWITCH AND FUSTAT	N3R	NEMA 3R
HP	HORSEPOWER	CP	CONTROL PANEL	SS	SAFETY SWITCH	N4X	NEMA 4X
KW	KILOWATTS	C+P	CORD AND PLUG	T	LINE VOLTAGE THERMOSTAT		
PH	PHASE	I	INTEGRAL WITH EQUIPMENT	VFC	VARIABLE FREQUENCY CONTROLLER	SCCR	SHORT CIRCUIT CURRENT RATING
V	VOLTAGE	NF	NON-FUSED				
W	WATTS	OS	OCCUPANCY SENSOR	EC	ELECTRICAL CONTRACTOR		
				MC	MECHANICAL CONTRACTOR		

EQUIPMENT			ELECTRICAL SYSTEM					DISCONNECT				LINE VOLTAGE CONTROLLER				
MARK	DESCRIPTION	LOAD	V	PH	FEEDER OR BRANCH CIRCUIT	PANEL - CIRCUIT	FURNISHED BY/ INSTALLED BY	TYPE	RATING (AMPS)	ENCL	FURNISHED BY/ INSTALLED BY	TYPE	ENCL	AVAILABLE FAULT CURRENT (AMPS)	REMARKS
BMCS-1-1	BMCS PANEL	5 A	120 V	1	2 #12, #12 GND, 3/4" C	P1-36	-	-	-	-	MC/MC	-	-		
BMCS-2-1	BMCS PANEL	5 A	120 V	1	2 #12, #12 GND, 3/4" C	P2-28	-	-	-	-	MC/MC	-	-		
BMCS-2-2	BMCS PANEL	5 A	120 V	1	2 #12, #12 GND, 3/4" C	P2-30	-	-	-	-	MC/MC	-	-		
CP-1-1	CONDENSATE PUMP	1 A	120 V	1	2 #12, #12 GND, 3/4" C	P1-48	EC/EC	S	20	N1	MC/MC	-	-		
CP-2-1	CONDENSATE PUMP	1 A	120 V	1	2 #12, #12 GND, 3/4" C	P3-11	EC/EC	S	20	N1	MC/MC	-	-		
CUH-1	ELECTRIC WALL UNIT HEATER	5 KW	277 V	1	2#10, #10 GND, 3/4"C	M1-10	MC/-	I	-	-	MC/MC	-	-		
EF-1	EXHAUST FAN	1/2 HP	120 V	1	2 #12, #12 GND, 3/4" C	P2-25	MC/-	I	-	-	MC/MC	-	-		
EF-2	EXHAUST FAN	1.5 A	120 V	1	2 #12, #12 GND, 3/4" C	P1-38	MC/-	I	-	-	EC/EC	S	N1		2
EUH-1	ELECTRIC UNIT HEATER	3.7 KW	277 V	1	2#12, #12 GND, 3/4" C	M1-8	MC/-	I	-	-	MC/MC	-	-		
EUH-2	ELECTRIC WALL UNIT HEATER	2 KW	277 V	1	2#12, #12 GND, 3/4" C	M1-12	MC/-	I	-	-	MC/MC	-	-		
GWH-1	GAS WATER HEATER	5 A	120 V	1	2 #12, #12 GND, 3/4" C	P2-27	EC/EC	S	20	N1	MC/MC	-	-		
HWCP-1	HOT WATER CIRC PUMP	1/6 HP	120 V	1	2 #12, #12 GND, 3/4" C	P2-27	EC/EC	S	20	N1	MC/MC	-	-		
RTU-1	ROOFTOP UNIT	81.9 A	480 V	3	3 #3, #8 GND, 1-1/4" C	MDP-4	MC/-	I	-	-	MC/MC	-	-	12,129	
SP-1	SUMP PUMP	1 HP	208 V	1	2 #10, #10 GND, 3/4" C	P1-43,45	EC/EC	S	20	N3R	MC/MC	CP	-		3
SSAC-1-1	MINI SPLIT INDOOR UNIT	-	208 V	1	-	-	-	-	-	-	MC/MC	-	-		1
SSAC-2-1	MINI SPLIT INDOOR UNIT	-	208 V	1	-	-	-	-	-	-	MC/MC	-	-		1
SSCU-1-1	MINI SPLIT CONDENSER	12 A	208 V	1	2 #12, #12 GND, 3/4" C	P2-38,40	EC/EC	SS,NF	30	N3R	MC/MC	-	-		
SSCU-2-1	MINI SPLIT CONDENSER	12 A	208 V	1	2 #12, #12 GND, 3/4" C	P3-7,9	EC/EC	SS,NF	30	N3R	MC/MC	-	-		
TUR-1-1	AIR TERMINAL UNIT ELECTRIC REHEAT	8 KW	480 V	3	3 #12, #12 GND, 3/4" C	M1-1,3,5	MC/-	I	-	-	MC/MC	-	-		
TUR-1-2	AIR TERMINAL UNIT ELECTRIC REHEAT	6 KW	277 V	1	2 #10, #10 GND, 3/4" C	M1-7	MC/-	I	-	-	MC/MC	-	-		
TUR-1-3	AIR TERMINAL UNIT ELECTRIC REHEAT	10.5 KW	480 V	3	3 #12, #12 GND, 3/4" C	M1-9,11,13	MC/-	I	-	-	MC/MC	-	-		
TUR-1-4	AIR TERMINAL UNIT ELECTRIC REHEAT	4 KW	277 V	1	2 #12, #12 GND, 3/4" C	M1-2	MC/-	I	-	-	MC/MC	-	-		
TUR-1-5	AIR TERMINAL UNIT ELECTRIC REHEAT	2 KW	277 V	1	2 #12, #12 GND, 3/4" C	M1-4	MC/-	I	-	-	MC/MC	-	-		
TUR-1-6	AIR TERMINAL UNIT ELECTRIC REHEAT	4 KW	277 V	1	2 #12, #12 GND, 3/4" C	M1-6	MC/-	I	-	-	MC/MC	-	-		
TUR-1-7	AIR TERMINAL UNIT ELECTRIC REHEAT	6 KW	277 V	1	2 #10, #10 GND, 3/4"C	M1-18	MC/-	I	-	-	MC/MC	-	-		
TUR-2-1	AIR TERMINAL UNIT ELECTRIC REHEAT	6 KW	277 V	1	2 #10, #10 GND, 3/4" C	M2-1	MC/-	I	-	-	MC/MC	-	-		
TUR-2-2	AIR TERMINAL UNIT ELECTRIC REHEAT	8 KW	480 V	3	3 #12, #12 GND, 3/4" C	M2-7,9,11	MC/-	I	-	-	MC/MC	-	-		
TUR-2-3	AIR TERMINAL UNIT ELECTRIC REHEAT	5.5 KW	277 V	1	2 #10, #10 GND, 3/4"C	M2-13	MC/-	I	-	-	MC/MC	-	-		
TUR-2-4	AIR TERMINAL UNIT ELECTRIC REHEAT	11.5 KW	480 V	3	3 #12, #12 GND, 3/4" C	M2-2,4,6	MC/-	I	-	-	MC/MC	-	-		
TUR-2-5	AIR TERMINAL UNIT ELECTRIC REHEAT	4.5 KW	277 V	1	2 #12, #12 GND, 3/4" C	M2-14	MC/-	I	-	-	MC/MC	-	-		
TUR-2-6	AIR TERMINAL UNIT ELECTRIC REHEAT	7 KW	480 V	3	3 #12, #12 GND, 3/4" C	M2-8,10,12	MC/-	I	-	-	MC/MC	-	-		
TUR-2-7	AIR TERMINAL UNIT ELECTRIC REHEAT	10 KW	480 V	3	3 #12, #12 GND, 3/4" C	M2-16,18,20	MC/-	I	-	-	MC/MC	-	-		

GENERAL NOTES
A. VERIFY/COORDINATE RATINGS FOR EQUIPMENT SUPPLIED BY THE SELECTED MANUFACTURER. WHERE RATINGS ARE OTHER THAN AS REQUIRED FOR SPECIFIED UNIT, DISCONNECTS, MOTOR STARTERS, OVERCURRENT DEVICES AND RELATED REVISIONS SHALL BE PROVIDED ACCORDINGLY. THE CONTRACTOR THAT FURNISHES EQUIPMENT WITH RATINGS OTHER THAN AS NOTED SHALL BE RESPONSIBLE FOR COORDINATION AND COSTS FOR REVISIONS TO ACCOMMODATE SELECTED EQUIPMENT.
B. SHORT CIRCUIT CURRENT RATING (SCCR) OF EQUIPMENT SHALL BE EQUAL TO OR GREATER THAN THE AVAILABLE FAULT CURRENT LISTED. SHORT CIRCUIT CURRENT RATING APPLIES TO EQUIPMENT AND DISCONNECT.
C. FRACTIONAL HORSEPOWER SINGLE PHASE MOTORS SHALL BE PROVIDED WITH INTEGRAL OVERLOAD PROTECTION.
D. DISCONNECTS SHALL BE FUSIBLE UNLESS NOTED OTHERWISE.
E. ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT TO EQUIPMENT AS INDICATED.
F. WHERE DISCONNECT IS NOT INDICATED ON PLANS, LOCATE AT EQUIPMENT PER NEC.
G. EQUIPMENT IDs THAT END IN ".X" INDICATE THAT THERE ARE MULTIPLE UNITS THAT ARE IDENTICAL AND PROVIDED ON THE PROJECT. SEE PLANS FOR THE UNIQUE SEQUENTIAL DESIGNATION.

REMARKS
1. PROVIDE 3/4" CONDUIT TO ASSOCIATED CONDENSING UNIT FOR POWER AND CONTROL WIRING BY MECHANICAL CONTRACTOR.
2. CONTROL VIA INTERVAL TIMER. REFER TO E200.
3. PROVIDE TOGGLE SWITCH DISCONNECT AHEAD OF CONTROL PANEL.

FLOOR BOX AND POKE THRU SCHEDULE

MARK	FLOOR BOX	POKE THRU	ON GRADE	MANUFACTURER	MODEL NO.	COVER	COMPARTMENTS (QTY.)				CONDUIT (PER COMPARTMENT)			REMARKS
							POWER	VOICE/DATA	AV	SPARE	VOICE/DATA	AV	SPARE	
FB1	X		X	LEGRAND	RFB4A-OG	6CT2XX	2	1	-	1	(1) 1"	-	-	1
FB2	X			LEGRAND	RFB4A	6CT2XX	2	1	-	1	(1) 1"	-	-	1

GENERAL NOTES
A. CONTRACTOR TO VERIFY CATALOG NUMBER AND INSULATION REQUIREMENTS PRIOR TO ORDERING.
B. PROVIDE ACCESSORIES AS REQUIRED FOR DEVICE INSTALLATION. PROVIDE MANUFACTURER'S STANDARD BLANK PLATES AS REQUIRED FOR UNUSED BOX COMPARTMENTS.
C. COORDINATE VOICE/DATA REQUIREMENTS WITH INSTALLING CONTRACTOR.
D. UNLESS NOTED OTHERWISE, ROUTE LOW-VOLTAGE AND SPARE CONDUITS TO ABOVE ACCESSIBLE CEILING IN SAME ROOM AS THE FLOOR BOX/POKE THRU. TERMINATE WITH INSULATING BUSHINGS.
E. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
F. VERIFY FINISH/COLOR WITH ARCHITECT.
REMARKS
1. PROVIDE A NEMA 5-20 RECEPTACLE IN EACH POWER COMPARTMENT.

GENERAL NOTES

A. MANUFACTURERS AND MODELS NOTED IN SCHEDULES ARE BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS. FOR MANUFACTURERS NOT LISTED IN SPECIFICATION SUBSTITUTION REQUESTS CAN BE SUBMITTED FOR REVIEW PRIOR TO BID. REFER TO SPECIFICATION SECTION 012500 FOR SUBSTITUTION REQUEST PROCEDURES AND FORM.

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

ELECTRICAL SCHEDULES

E601

4/21/2026 1:23:23 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

DISTRIBUTION PANEL MDP

480/277V 3 PHASE 4 WIRE WITH GROUND BAR
600 AMP MCB INTEGRAL SPD
26,476 AMPS AVAIL FAULT SERVICE ENTRANCE RATED
BREAKER DISTRIBUTION LOCATION ELEC. 116
SOURCE OWNER METERING

CKT #	AMPS	POLES	REMARKS	LOAD VA	DESCRIPTION
1	150	3		54482	PANEL M1
2	150	3		55684	PANEL M2
3	175	3		80156	TRANSFORMER T1
4	110	3		62574	RTU-1
5	60	3		17451	ELEVATOR
6	--	3		--	SPACE
7	--	3		--	SPACE
8	--	3		--	SPACE
9	--	3		--	SPACE
10	--	3		--	SPACE

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND	PANEL TOTALS
RECEPT	59640	58.38%	34820	
LIGHTING	6466	125.00%	8083	262788 **EMD**
MISC	7580	100.00%	7580	270347 **TOTAL VA**
KITCHEN	0	0.00%	0	316 **MIN. FEEDER AMPS**
MTR/HTR	179210	108.73%	194854	
NONCONC	0	0.00%	0	
HOTEL	0	0.00%	0	
ELEV	17451	100.00%	17451	
EM ELEV	0	0.00%	0	
EM EQUIP	0	0.00%	0	
EV CHAR	0	0.00%	0	

REMARKS:

PANEL P1

120/208V 3 PHASE 4 WIRE WITH GROUND BAR SURFACE MOUNTED
400 AMP MCB
6,128 AMPS AVAIL FAULT
84 POLES ONE SECTION SOURCE T1
LOCATION ELEC. 116

DESCRIPTION	REMARKS	AMPS	POLES	CKT #	A		B		C		CKT #	POLES	AMPS	REMARKS	DESCRIPTION
FIRE ALARM CONTROL PANEL	LOCK ON	20	1	1	500	900					2	1	20		RECEPT OFFICE
RECEPT OFFICE		20	1	3			1080	1080			4	1	20		RECEPT OFFICE
RECEPT OFFICE		20	1	5					1080	1080	6	1	20		RECEPT OFFICE
RECEPT OFFICE		20	1	7	1080	1080					8	1	20		RECEPT OFFICE
RECEPT OFFICE		20	1	9			1080	1080			10	1	20		RECEPT OFFICE
RECEPT OFFICE		20	1	11					1080	180	12	1	20		RECEPT ELEV PIT
RECEPT RR		20	1	13	360	540					14	1	20		RECEPT RR
RECEPT LOBBY		20	1	15			900	360			16	1	20		RECEPT GUN ROOM
RECEPT RECEPTION		20	1	17					900	1000	18	1	20		RECEPT COFFEE WARMER
RECEPT RECEPTION PRINTER		20	1	19	1000	360					20	1	20		RECEPT BREAKROOM
RECEPT RECEPTION		20	1	21			720	360			22	1	20		RECEPT BREAKROOM
RECEPT PRINT/MAIL		20	1	23					540	1000	24	1	20	GFCI	RECEPT MICROWAVE
RECEPT PRINTER		20	1	25	1000	1000					26	1	20	GFCI	RECEPT MICROWAVE
RECEPT INTAKE		20	1	27			1080	600			28	1	20	GFCI	RECEPT REFRIGERATOR
RECEPT INTAKE		20	1	29					1080	600	30	1	20	GFCI	RECEPT REFRIGERATOR
RECEPT CONFERENCE		20	1	31	720	720					32	1	20		RECEPT BREAKROOM
RECEPT CONFERENCE		20	1	33			900	540			34	1	20		RECEPT ELEC
RECEPT CORRIDOR		20	1	35					1080	600	36	1	20		BMCS-1-1
EWC	GFCI	20	1	37	500	180					38	1	15		EF-2
ELEVATOR CAR LIGHTS		20	1	39			1500	500			40	1	20		TWO-WAY COMMUNICATIONS
DOOR OPERATORS		20	1	41					1180	180	42	1	20		RECEPT ELEV RM
SP-1		20	2	43	960	960					44	1	20		ACCESS CONTROLS
--	--	--	--	45			960	1440			46	1	20		ACCESS CONTROLS
DISHWASHER	GFCI	20	1	47					600	120	48	1	20		CP-2
ELEVATOR AV		20	1	49	1500	15284					50	3	150	SUB FEED	PANEL P2
				51				14384			52	--	--	--	--
				53						10648	54	--	--	--	--
				55							56				
				57							58				
				59							60				
				61							62				
				63							64				
				65							66				
				67							68				
				69							70				
				71							72				
				73							74				
				75							76				
SPARE		20	1	77					0	0	78	1	20		SPARE
SPARE		20	1	79	0	0					80	1	20		SPARE
SPARE		20	1	81			0	0			82	1	20		SPARE
SPARE		20	1	83					0	0	84	1	20		SPARE

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND	PANEL TOTALS
RECEPT	59640	58.38%	34820	
LIGHTING	0	0.00%	0	55960 **EMD**
MISC	7580	100.00%	7580	80156 **TOTAL VA**
KITCHEN	0	0.00%	0	155 **MIN. FEEDER AMPS**
MTR/HTR	12936	104.82%	13560	
NONCONC	0	0.00%	0	
HOTEL	0	0.00%	0	
ELEV	0	0.00%	0	
EM ELEV	0	0.00%	0	
EM EQUIP	0	0.00%	0	
EV CHAR	0	0.00%	0	

FEED THRU LOAD TOTAL: 0
REMARKS:

PANEL P2

120/208V 3 PHASE 4 WIRE WITH GROUND BAR SURFACE MOUNTED
225 AMP MLO
4,360 AMPS AVAIL FAULT
60 POLES ONE SECTION SOURCE P1
LOCATION JANITOR 237

DESCRIPTION	REMARKS	AMPS	POLES	CKT #	A		B		C		CKT #	POLES	AMPS	REMARKS	DESCRIPTION
RECEPT OFFICE		20	1	1	1080	900					2	1	20		RECEPT OFFICE
RECEPT OFFICE		20	1	3			1080	1080			4	1	20		RECEPT OFFICE
RECEPT OFFICE		20	1	5					1080	1080	6	1	20		RECEPT OFFICE
RECEPT OFFICE		20	1	7	1080	1080					8	1	20		RECEPT OFFICE
RECEPT OFFICE		20	1	9			1080	1080			10	1	20		RECEPT OFFICE
RECEPT COFFEE		20	1	11					360	180	12	1	20		RECEPT ELEV
RECEPT OFFICE		20	1	13	900	1000					14	1	20		RECEPT PRINTER
RECEPT COFFEE WARMER		20	1	15			1000	900			16	1	20		RECEPT OFFICE/PRINT
RECEPT COFFEE		20	1	17					540	900	18	1	20		RECEPT RR
RECEPT MICROWAVE	GFCI	20	1	19	1000	1620					20	1	20		RECEPT CORRIDOR
RECEPT REFRIGERATOR		20	1	21			600	360			22	1	20		RECEPT MECH/STOR
RECEPT EXTRIOR		20	1	23					360	900	24	1	20		RECEPT TRAINING
EF-1		20	1	25	1176	720					26	1	20		RECEPT TRAINING
GWH-1,HWCP-1		20	1	27			1128	600			28	1	20		BMCS-2-1
RECEPT ELEC.		20	1	29					180	600	30	1	20		BMCS-2-2
MOTORZIED SHADES		20	1	31	500	360					32	1	20		RECEPT TRAINING
PANEL P3		60	3	33			3508	720			34	1	20		RECEPT TRAINING
--	--	--	--	35					3748	720	36	1	20		RECEPT TRAINING
--	--	--	--	37	2620	1248					38	2	20		SSCU-1-1
				39				1248			40	--	--	--	--
				41							42				
				43							44				
				45							46				
				47							48				
				49							50				
				51							52				
				53							54				
SPARE		20	1	55	0	0					56	1	20		SPARE
SPARE		20	1	57			0	0			58	1	20		SPARE
SPARE		20	1	59					0	0	60	1	20		SPARE

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND	PANEL TOTALS
RECEPT	30200	66.56%	20100	
LIGHTING	0	0.00%	0	30840 **EMD**
MISC	1000	100.00%	1000	40316 **TOTAL VA**
KITCHEN	0	0.00%	0	86 **MIN. FEEDER AMPS**
MTR/HTR	9116	106.85%	9740	
NONCONC	0	0.00%	0	
HOTEL	0	0.00%	0	
ELEV	0	0.00%	0	
EM ELEV	0	0.00%	0	
EM EQUIP	0	0.00%	0	
EV CHAR	0	0.00%	0	

FEED THRU LOAD TOTAL: 0
REMARKS:

PANEL P3

120/208V 3 PHASE 4 WIRE WITH GROUND BAR SURFACE MOUNTED
100 AMP MLO INTEGRAL SPD
3,540 AMPS AVAIL FAULT
30 POLES ONE SECTION SOURCE P2
LOCATION DATA 231

DESCRIPTION	REMARKS	AMPS	POLES	CKT #	A		B		C		CKT #	POLES	AMPS	REMARKS	DESCRIPTION
RECEPT DATA		20	1	1	1080	1000					2	1	20		RECEPT DATA
RECEPT DATA		20	1	3			1000	1500			4	1	30		RECEPT DATA
RECEPT DATA		30	1	5					1500	1000	6	1	20		ACCESS CONTROLS
SSCU-2-1		20	2	7	1248	180					8	1	20		RECEPT JANITOR 237
--	--	--	--	9			1248				10				
CP-1		20	1	11					120		12				
				13							14				
				15							16				
				17							18				
				19							20				
				21							22				
				23							24				
				25		0					26	1	20		SPARE
				27				0			28	1	20		SPARE
				29						0	30	1	20		SPARE

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND	PANEL TOTALS
RECEPT	6260	100.00%	6260	
LIGHTING	0	0.00%	0	10500 **EMD**
MISC	1000	100.00%	1000	9876 **TOTAL VA**
KITCHEN	0	0.00%	0	29 **MIN. FEEDER AMPS**
MTR/HTR	2616	123.85%	3240	
NONCONC	0	0.00%	0	
HOTEL	0	0.00%	0	
ELEV	0	0.00%	0	
EM ELEV	0	0.00%	0	
EM EQUIP	0	0.00%	0	
EV CHAR	0	0.00%	0	

FEED THRU LOAD TOTAL: 0
REMARKS:

PANEL KEY		
MDP	P1	P2
	P3	

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

ELECTRICAL SCHEDULES

E602

4/21/2026 1:23:25 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

PANEL M1

480/277V 3 PHASE 4 WIRE WITH GROUND BAR — SURFACE MOUNTED
225 AMP MLO
24,327 AMPS AVAIL FAULT
42 POLES ONE SECTION — SOURCE MDP
LOCATION ELEC. 116

DESCRIPTION	REMARKS	AMPS	POLES	CKT #	A		B		C		CKT #	POLES	AMPS	REMARKS	DESCRIPTION
TUR-1-1		15	3	1	2667	4000					2	1	20		TUR-1-4
--	--	--	--	3			2667	2000			4	1	15		TUR-1-5
--	--	--	--	5					2667	4000	6	1	20		TUR-1-6
TUR-1-2		30	1	7	6000	3700					8	1	20		EUH--1
TUR-1-3		20	3	9			3500	5000			10	1	25		CUH-1
--	--	--	--	11					3500	2000	12	1	15		EUH-2
--	--	--	--	13	3500	255					14	1	20		EXTERIOR LIGHTING
EXTERIOR LIGHTING		20	1	15			87	28			16	1	20		EXTERIOR FLAG LIGHTING
ELEVATOR PIT LIGHTING		20	1	17					152	6000	18	1	30		TUR-1-7
ELEVATOR ROOM LIGHTING		20	1	19	31						20				
LEVEL 1 LIGHTING		20	1	21			2729				22				
				23							24				
				25							26				
				27							28				
				29							30				
				31							32				
				33							34				
				35							36				
				37							38				
SPARE		20	1	39			0	0			40	1	20		SPARE
SPARE		20	1	41					0	0	42	1	20		SPARE

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND
RECEPT	0	0.00%	0
LIGHTING	3282	125.00%	4102
MISC	0	0.00%	0
KITCHEN	0	0.00%	0
MTR/HTR	51200	105.13%	53825
NONCONC	0	0.00%	0
HOTEL	0	0.00%	0
ELEV	0	0.00%	0
EM ELEV	0	0.00%	0
EM EQUIP	0	0.00%	0
EV CHAR	0	0.00%	0

PANEL TOTALS	
57927	**EMD**
54482	**TOTAL VA**
70	**MIN. FEEDER AMPS**

FEED THRU LOAD TOTAL: 0

REMARKS:

PANEL M2

480/277V 3 PHASE 4 WIRE WITH GROUND BAR — SURFACE MOUNTED
225 AMP MLO
15,741 AMPS AVAIL FAULT
42 POLES ONE SECTION — SOURCE MDP
LOCATION JANITOR 237

DESCRIPTION	REMARKS	AMPS	POLES	CKT #	A		B		C		CKT #	POLES	AMPS	REMARKS	DESCRIPTION
TUR-2-1		30	1	1	6000	3833					2	3	20		TUR-2-4
ELEVATOR SHAFT LIGHTING		20	1	3			152	3833			4	--	--	--	--
LEVEL 2 LIGHTING		20	1	5					3032	3833	6	--	--	--	--
TUR-2-2		15	3	7	2667	2333					8	3	20		TUR-2-6
--	--	--	--	9			2667	2333			10	--	--	--	--
--	--	--	--	11					2667	2333	12	--	--	--	--
TUR-2-3		30	1	13	5500	4500					14	1	25		TUR-2-5
				15			3333				16	3	20		TUR-2-7
				17						3333	18	--	--	--	--
				19		3333					20	--	--	--	--
				21							22				
				23							24				
				25							26				
				27							28				
				29							30				
				31							32				
				33							34				
				35							36				
				37							38				
SPARE		20	1	39			0	0			40	1	20		SPARE
SPARE		20	1	41					0	0	42	1	20		SPARE

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND
RECEPT	0	0.00%	0
LIGHTING	3184	125.00%	3981
MISC	0	0.00%	0
KITCHEN	0	0.00%	0
MTR/HTR	52500	105.48%	55375
NONCONC	0	0.00%	0
HOTEL	0	0.00%	0
ELEV	0	0.00%	0
EM ELEV	0	0.00%	0
EM EQUIP	0	0.00%	0
EV CHAR	0	0.00%	0

PANEL TOTALS	
59356	**EMD**
55684	**TOTAL VA**
71	**MIN. FEEDER AMPS**

FEED THRU LOAD TOTAL: 0

REMARKS:

PANEL KEY	
M1	M2

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

ELECTRICAL SCHEDULES

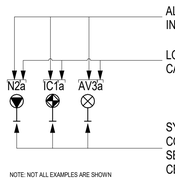
E603

4/21/2026 1:23:26 PM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

TECHNOLOGY SYMBOLS LEGEND

- FLOOR BOX OR FLOOR POKE-THRU DEVICE
- FLOOR CONDUIT STUB
- COMMUNICATIONS DEVICE - WALL
- COMMUNICATIONS DEVICE - CEILING
- AUDIOVISUAL DEVICE - WALL
- AUDIOVISUAL DEVICE - CEILING
- ELECTRONIC SECURITY DEVICE - WALL
- ELECTRONIC SECURITY DEVICE - CEILING, UNDERMOUNT, OR DOOR
- SPECIAL PURPOSE POWER RECEPTACLE - WALL
- SIMPLEX POWER RECEPTACLE - WALL
- DUPLEX POWER RECEPTACLE - WALL
- DOUBLE DUPLEX POWER RECEPTACLE - WALL
- HARDWIRED POWER CONNECTION - WALL
- SPECIAL PURPOSE POWER RECEPTACLE - CEILING
- SIMPLEX POWER RECEPTACLE - CEILING
- DUPLEX POWER RECEPTACLE - CEILING
- DOUBLE DUPLEX POWER RECEPTACLE - CEILING
- HARDWIRED POWER CONNECTION - CEILING
- SECURITY CAMERA - SINGLE SENSOR - WALL
- SECURITY CAMERA - SINGLE SENSOR - CEILING
- SECURITY CAMERA - PTZ - WALL
- SECURITY CAMERA - PTZ - CEILING
- SECURITY CAMERA - 360° - WALL
- SECURITY CAMERA - 360° - CEILING
- SECURITY CAMERA - MULTI-SENSOR - WALL
- SECURITY CAMERA - MULTI-SENSOR - CEILING
- SECURITY CAMERA - DUAL-SENSOR - WALL
- SECURITY CAMERA - MULTI-SENSOR - CEILING
- SECURITY CAMERA - DUAL-SENSOR - CEILING
- LOUDSPEAKER - CEILING (LOCATION SHOWN FOR COORDINATION PURPOSES ONLY)
- LOUDSPEAKER - WALL (LOCATION SHOWN FOR COORDINATION PURPOSES ONLY)
- CLOCK - WALL

- CABLE TRAY - REFER TO PLANS FOR SIZE
- COMMUNICATIONS CONDUIT - REFER TO PLANS FOR SIZE
- J-HOOK PATHWAY - REFER TO PLANS FOR SIZE
- CABLE LADDER RUNWAY - REFER TO PLANS FOR SIZE



ALPHANUMERIC DEVICE ID DESIGNATES INFRASTRUCTURE REQUIREMENTS

LOWERCASE LETTER DESIGNATES CABLE PULL TYPE

SYMBOL DESIGNATES AUDIOVISUAL, COMMUNICATIONS, OR ELECTRONIC SECURITY DEVICE AND FLOOR, WALL, OR CEILING CONDITION

NOTE: NOT ALL EXAMPLES ARE SHOWN

DEVICE TAG WITH CABLE PULL TYPE

SECURITY CAMERA TAG — SC1a / CAM-01

DENOTES DEVICES WHICH ARE INSTALLED IN THE SAME LOCATION (I.E., SECURITY CAMERA AND ITS ASSOCIATED NETWORK OUTLET)

NOTE: NOT ALL EXAMPLES ARE SHOWN

REFER TO COMMUNICATIONS CABLING LEGEND FOR MORE INFORMATION ON CABLE PULL TYPE

AC = ELECTRONICALLY CONTROLLED AND/OR MONITORED DOOR
AP = WIRELESS ACCESS POINT
AV = AUDIOVISUAL DEVICE
CR = CARD READER
FB = FLOOR BOX
FP = FLOOR POKE-THRU
FS = FLOOR STUB

IC = SECURITY INTERCOM
KP = SECURITY KEYPAD
MS = SECURITY MOTION SENSOR
N = COMMUNICATIONS OUTLET
P = POWER RECEPTACLE
PB = SECURITY PUSH-BUTTON
RX = SECURITY REQUEST-TO-EXIT BUTTON
SC = SECURITY CAMERA

NOTES
1. FOR "AV" DEVICES, REFER TO AUDIOVISUAL INFRASTRUCTURE SCHEDULE.
2. FOR "N" AND "AP" DEVICES, REFER TO COMMUNICATIONS INFRASTRUCTURE SCHEDULE.
3. FOR "AC", "CR", "IC", "KP", "MS", "PB", "RX", AND "SC" DEVICES, REFER TO ELECTRONIC SECURITY INFRASTRUCTURE SCHEDULE.
4. FOR "FB", "FP", AND "FS" DEVICES, REFER TO TECHNOLOGY FLOOR INFRASTRUCTURE SCHEDULE.
5. FOR "P" DEVICES, REFER TO TECHNOLOGY POWER COORDINATION SCHEDULE.

Xx(Yy,Zz)

DENOTES DEVICES WHICH CONTAIN OTHER DEVICES, FOR EXAMPLE:

AVx(Nx,Px) = COMBINATION AUDIOVISUAL BOX CONTAINING NETWORK OUTLET AND POWER RECEPTACLE
FBx(Nx,Px) = FLOOR BOX CONTAINING NETWORK OUTLET AND POWER RECEPTACLE
FPx(Nx,Px) = FLOOR POKE-THRU CONTAINING COMMUNICATIONS AND POWER FURNITURE FEEDS

NOTE: NOT ALL EXAMPLES ARE SHOWN

AVxAVx OR NxNx OR CRxICx

DENOTES DEVICES WHICH FALL ON THE SAME VERTICAL PLANE

NOTE: NOT ALL EXAMPLES ARE SHOWN

TAG FOR LOWEST DEVICE
TAG FOR HIGHEST DEVICE
NxNx
ONE SYMBOL INDICATES MULTIPLE DEVICES

T000 #
ELEVATION SYMBOL
DETAIL # / SHEET #

/ T000
SECTION SYMBOL
DETAIL # / SHEET #

X
DISPLAY TYPE - REFER TO PROJECTION SCREEN TYPE SCHEDULE AND DISPLAY TYPE SCHEDULE FOR MORE INFORMATION

DISPLAY TYPE AND DISPLAY MOUNTING STYLE
REFER TO SHEET T002 FOR MORE INFORMATION

NUMBER DESIGNATES DISPLAY TYPE — #x — LETTER DESIGNATES DISPLAY MOUNTING STYLE

PROJECTION SCREEN TYPE AND PROJECTOR MOUNTING STYLE
REFER TO SHEET T002 FOR MORE INFORMATION

LETTER DESIGNATES PROJECTION SCREEN TYPE — X# — NUMBER DESIGNATES PROJECTOR MOUNTING STYLE

ABBREVIATIONS

ACEG	AC EQUIPMENT GROUND
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALF	ALUMINUM FRAME DOOR
APPROX	APPROXIMATELY
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AV	AUDIOVISUAL
AVI	AUTOMATIC VEHICLE IDENTIFICATION
AWG	AMERICAN WIRE GAUGE
BMCS	BUILDING MANAGEMENT CONTROL SYSTEMS
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BLDG	BUILDING
BTC	BONDING CONDUCTOR FOR TELECOMMUNICATION
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CONDUIT
CAB	CABINET
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CL	CENTER LINE
CLEC	COMPETITIVE LOCAL EXCHANGE CARRIER
CLG	CEILING
CLR	CLEAR
CM	COMMUNICATIONS CABLE
CMP	COMMUNICATIONS PLENUM CABLE
CMR	COMMUNICATIONS RISER CABLE
COAX	COAXIAL CABLE
CO-OSP	CUSTOMER OWNED-OUTSIDE PLANT
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	CABLE TRAY
DAS	DISTRIBUTED ANTENNA SYSTEM
DIA	DIAMETER
DN	DOWN
DP	DEMARCATION POINT
DPS	DOOR POSITION SWITCH
DVR	DIGITAL VIDEO RECORDER
DWG	DRAWING
DX	DIRECT EXPANSION
EAC	ELECTRONIC ACCESS CONTROL
EC	ELECTRICAL CONTRACTOR
EGB	ELECTRICAL GROUND BAR
EL	ELEVATION
ELEC	ELECTRICAL
EMI	ELECTROMAGNETIC INTERFERENCE
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
ER	EQUIPMENT ROOM
EXH	EXHAUST
EXIST	EXISTING
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FMC	FLEXIBLE METAL CONDUIT
FB	FLOOR BOX
FL	FLOOR
FO	FIBER OPTIC
FOV	FIELD OF VIEW
FP	FIBER PANEL
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HGT	HEIGHT
HH	HANDHOLE
HMF	HOLLOW METAL FRAME DOOR
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ
IC	INTERCOM
IDC	INSULATION DISPLACEMENT CONNECTOR
IDF	INTERMEDIATE DISTRIBUTION FRAME
IDS	INTRUSION DETECTION SYSTEM
IP	INTERNET PROTOCOL
ISP	INSIDE PLANT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LAN	LOCAL AREA NETWORK
LBM	LATCH BOLT MONITOR
LBS	POUNDS
LEC	LOCAL EXCHANGE CARRIER
MATV	MASTER ANTENNA TELEVISION
MAX	MAXIMUM
MBH	1000 BTU/HOUR
MC	MAIN CROSS CONNECT
MDF	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MFG	MANUFACTURER
MGB	MAIN GROUND BAR
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MULTIMODE
MPOE	MAIN POINT OF ENTRANCE
MTD	MOUNTED
MTG	MOUNTING
MUTOA	MULTI USER TELECOMMUNICATIONS OUTLET ASSEMBLY
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
NVE	NETWORK VIDEO ENCODER
NVR	NETWORK VIDEO RECORDER
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OPE	OWNER PROVIDED ELECTRONICS
OSP	OUTSIDE PLANT
PABX	PRIVATE AUTOMATIC BRANCH EXCHANGE
PBB	PRIMARY BONDING BUSBAR
PB	PULLBOX
PBO	PROVIDED BY OTHERS
PBX	PRIVATE BRANCH EXCHANGE
PDU	POWER DISTRIBUTION UNIT
PNL	PANEL
POE	POWER OVER ETHERNET
POP	POINT OF PRESENCE
PP	PATCH PANEL
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK
PTZ	PAN-TILT-ZOOM
PVC	POLYVINYL CHLORIDE
PWR	POWER
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RQE	REQUEST TO EXIT
SBB	SECONDARY BONDING BUSBAR
SCHD	SCHEDULE
SCTP	SCREENED TWISTED PAIR
SIM	SIMILAR
SLAB	SEALED LEAD ACID BATTERY
SM	SINGLE MODE
SPD	SURGE PROTECTIVE DEVICE
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
SSI	SECURITY SYSTEMS INTEGRATOR
STD	STANDARD
STP	SHIELDED TWISTED PAIR
SW	SWITCH
T-1	TRUNK LEVEL 1
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBBIBC	TELECOMMUNICATIONS BONDING BACKBONE INTERCONNECTING BONDING CONDUCTOR
TC	TELECOMMUNICATIONS CLOSET
TEL	TELEPHONE
TELECOM	TELECOMMUNICATIONS
TEMP	TEMPERATURE
TR	TELECOMMUNICATIONS ROOM
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VA	VOLT -AMPS
VERT	VERTICAL
VOIP	VOICE OVER INTERNET PROTOCOL
W	WATT
WAN	WIDE AREA NETWORK
WAP	WIRELESS ACCESS POINT
WMP	WIRE MANAGEMENT PANEL
WP	WEATHERPROOF
WTH	WIRE TRANSFER HINGE

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS AND ABBREVIATIONS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.

GENERAL NOTES:

A. REFER TO SHEET T100 FOR SITE COMMUNICATIONS AND SECURITY INFORMATION.

COMMUNICATIONS CABLING NOTES:

A. INSTALL COMMUNICATIONS HORIZONTAL CABLES CONTINUOUS FROM WORK AREA OUTLET TO COMMUNICATIONS EQUIPMENT ROOM. INSTALL COMMUNICATIONS BACKBONE CABLES CONTINUOUS BETWEEN COMMUNICATIONS EQUIPMENT ROOMS. DO NOT SPLICE COMMUNICATIONS CABLES.

B. CABLING DAMAGED DURING ITS INSTALLATION WILL NOT BE ACCEPTED. DAMAGED CABLING, INCLUDING PAINTED CABLES, SHALL BE REPLACED WITH NEW CABLING AT THE EXPENSE OF THE CONTRACTOR. DAMAGE INCLUDES PHYSICAL DAMAGE TO CABLES OR IMPROPER INSTALLATION PRACTICES THAT MAY AFFECT PERFORMANCE.

C. COORDINATE FINAL LOCATION OF ALL TECHNOLOGY OUTLETS AND DEVICES WITH ARCHITECTURAL ELEVATIONS AND ELECTRICAL PLANS.

D. REFER TO TECHNOLOGY DETAIL AND RISER SHEETS FOR CABLING, FACEPLATE, GROUNDING, AND PATHWAY DIAGRAMS.

E. REFER TO ELECTRICAL SCOPE FOR ADDITIONAL POWER AND ELECTRICAL PATHWAY REQUIREMENTS.

F. COORDINATE WITH THE GENERAL CONTRACTOR AND PAINTING SUBCONTRACTOR SO THAT COMMUNICATIONS CABLES ARE NOT PAINTED OR OVERSPRAYED. PAINTED CABLES SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

CONSTRUCTION CABLING NOTES:

A. ALL DEBRIS RESULTING FROM PENETRATIONS SHALL BE CLEARED AND REMOVED FROM SITE ON A DAILY BASIS.

B. PROTECT ALL MATERIALS AND SURFACES TO REMAIN. SURFACES AND MATERIALS DAMAGED DURING CONSTRUCTION WILL BE REPAIRED AND FINISHED TO MATCH ORIGINAL CONDITIONS. PROTECT EQUIPMENT AND FURNISHINGS WHERE CONSTRUCTION WILL CAUSE DUST, DEBRIS, AND POSSIBLE DAMAGE.

C. EXERCISE CARE WHEN REMOVING OR REPLACING SUSPENDED CEILING TILES. DAMAGED TILES SHALL BE REPLACED WITH NEW TILES. DAMAGE INCLUDES FINGERPRINTS LEFT ON NEW/EXISTING TILES.

D. STAGING AREAS USED FOR CONSTRUCTION SHALL BE RETURNED TO ORIGINAL CONDITION TO OWNER'S SATISFACTION. COORDINATE WITH THE GENERAL CONTRACTOR TO OBTAIN WORK TRAILER, MATERIAL STORAGE, STAGING, AND PARKING SPACE. PROVIDE WORK TRAILER, SECURE STORAGE SPACE, PHONE LINES, AND ANY OTHER SERVICE DEEMED NECESSARY. THE OWNER WILL NOT PROVIDE ANCILLARY SERVICES AT THE CONSTRUCTION SITE.

E. FIRESTOP ALL FLOOR, CABLE TRAY, CONDUIT, SLEEVE, AND WALL PENETRATIONS.

F. BOND ALL CABLE TRAYS AND CABLE LADDER RUNWAYS WITH CONDUIT SLEEVES AND PATHWAYS USING MANUFACTURER'S RECOMMENDED HARDWARE.

DETAIL NOTE:

A. PROJECT DETAILS ARE PROVIDED ON DESIGNATED DETAIL SHEETS. DETAILS APPLY TO THE ENTIRE PROJECT IN ALL LOCATIONS WHERE DETAILED CONDITION EXISTS AND ARE ONLY REFERENCED TO PROVIDE CLARITY IF NECESSARY.

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

TECHNOLOGY SYMBOLS AND ABBREVIATIONS

T000

4/21/2026 10:35:12 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. MANUFACTURERS AND MODELS NOTED IN SCHEDULES ARE BASIS OF DESIGN. REFER TO EQUIPMENT SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS. FOR MANUFACTURERS NOT LISTED IN SPECIFICATIONS SUBSTITUTION REQUESTS CAN BE SUBMITTED FOR REVIEW PRIOR TO BID, REFER TO SPECIFICATION 012500 FOR SUBSTITUTION REQUEST PROCEDURES AND FORM.

AUDIOVISUAL INFRASTRUCTURE SCHEDULE

MARK	DEVICE FUNCTION	JUNCTION BOX DESCRIPTION	JUNCTION BOX MAKE	JUNCTION BOX MODEL	MOUNTING STYLE	CONDUIT SIZE	REFERENCE DETAIL	NOTES	JUNCTION BOX DIMENSIONS		
									LENGTH	WIDTH	DEPTH
AV1	FLAT PANEL DISPLAY BACK BOX ASSEMBLY	RECESSED JUNCTION BOX W/ FLANGE AND COVER	CHIEF	PAC526FCW OR PRE-APPROVED EQUIVALENT	55" AFF - FLUSH (UNO)	(1) 1-1/4"	2/T600	-	14 1/4"	14 1/4"	3 7/8"
AV2	ROOM SCHEDULING PANEL	RECESSED JUNCTION BOX W/ FLANGE	RACO	259 OR PRE-APPROVED EQUIVALENT	44" AFF - FLUSH (UNO)	(1) 1"	5/T600	-	1"	1"	1"
AV3	CONTROL PANEL W/ NETWORK OUTLET	RECESSED JUNCTION BOX W/ FLANGE 2-GANG	RACO	259 OR PRE-APPROVED EQUIVALENT	44" AFF - FLUSH (UNO)	(1) 1"	-	-	4"	4"	2 1/8"
AV4	VIDEO INPUT	RECESSED JUNCTION BOX W/ FLANGE 2-GANG	RACO	259 OR PRE-APPROVED EQUIVALENT	18" AFF - FLUSH (UNO)	(1) 1"	-	-	4 11/16"	4 11/16"	2 1/8"

COMMUNICATIONS INFRASTRUCTURE SCHEDULE

MARK	DEVICE FUNCTION	JUNCTION BOX DESCRIPTION	JUNCTION BOX MAKE	JUNCTION BOX MODEL	MOUNTING STYLE	CONDUIT SIZE	REFERENCE DETAIL	NOTES
AP1	NETWORK OUTLET - WIRELESS ACCESS POINT - ACCESSIBLE CEILING	SURFACE-MOUNTED PLENUM-RATED OUTLET BOX	COMMSCOPE	SMB-2P-262-PLENUM OR PRE-APPROVED EQUIVALENT	12" ABOVE FINISHED CEILING (UNO)	-	4/T600	-
N1	NETWORK OUTLET - STANDARD	RECESSED JUNCTION BOX W/ RAISED 1-GANG TRIM RING	RACO	233 OR PRE-APPROVED EQUIVALENT	18" AFF - FLUSH (UNO)	(1) 1"	1/T600	-
N2	NETWORK OUTLET - FLAT PANEL DISPLAY	JUNCTION BOX	RACO	420 OR PRE-APPROVED EQUIVALENT	PART OF AV#	(1) 1"	2/T600	-
N3	NETWORK OUTLET - FLOOR	1-GANG FLOOR BOX OR POKE-THRU COMPARTMENT	N/A	COMPATIBLE W/ ASSOCIATED FLOOR BOX OR POKE-THRU	PART OF FB OR FP	(1) 1"	-	-
N4	NETWORK OUTLET - ELEVATOR CONTROLLER	SURFACE-MOUNTED OUTLET BOX	COMMSCOPE	SMB-2P-262 OR PRE-APPROVED EQUIVALENT	COORDINATE WITH ELEVATOR INSTALLER	(1) 1"	1/T600	-
N5	NETWORK OUTLET - FIRE ALARM CONTROL PANEL	SURFACE-MOUNTED OUTLET BOX	COMMSCOPE	SMB-2P-262 OR PRE-APPROVED EQUIVALENT	COORDINATE WITH FIRE ALARM SYSTEM INSTALLER	(1) 1"	1/T600	-
N6	NETWORK OUTLET - BMCS PANEL	SURFACE-MOUNTED OUTLET BOX	COMMSCOPE	SMB-2P-262 OR PRE-APPROVED EQUIVALENT	COORDINATE WITH BMCS INSTALLER	(1) 1"	1/T600	-
N7	NETWORK OUTLET -TWO-WAY COMM SYSTEM PANEL	SURFACE-MOUNTED OUTLET BOX	COMMSCOPE	SMB-2P-262 OR PRE-APPROVED EQUIVALENT	COORDINATE WITH TWO-WAY COMM SYSTEM INSTALLER	(1) 1"	1/T600	-

ELECTRONIC SECURITY INFRASTRUCTURE SCHEDULE

MARK	DEVICE FUNCTION	JUNCTION BOX DESCRIPTION	JUNCTION BOX MAKE	JUNCTION BOX MODEL	MOUNTING STYLE	CONDUIT SIZE	REFERENCE DETAIL	NOTES
AC1	ELECTRONICALLY CONTROLLED AND/OR MONITORED DOOR	JUNCTION BOX	WIEGMANN	A080804 (INTERIOR) OR PRE-APPROVED EQUIVALENT	ABOVE ACCESSIBLE CEILING	(1) 1"	REFER TO ACCESS CONTROL SCHEDULE	-
AC2	ELECTRONICALLY CONTROLLED AND/OR MONITORED DOOR	JUNCTION BOX	WIEGMANN	A080804 (INTERIOR) OR PRE-APPROVED EQUIVALENT	ABOVE ACCESSIBLE CEILING	(1) 1"	REFER TO ACCESS CONTROL SCHEDULE	-
CR1	CARD READER - STANDARD	RECESSED JUNCTION BOX W/ RAISED 1-GANG TRIM RING	RACO	233 OR PRE-APPROVED EQUIVALENT	46" AFF - FLUSH (UNO)	(1) 3/4"	REFER TO ACCESS CONTROL SCHEDULE	-
CR2	CARD READER - MULLION	3/4" HOLE THROUGH MULLION	N/A	N/A	SURFACE MOUNTED TO MULLION	(1) 3/4"	REFER TO ACCESS CONTROL SCHEDULE	-
SC1	NETWORK OUTLET - SECURITY CAMERA - INACCESSIBLE CEILING	RECESSED PLENUM-RATED JUNCTION BOX W/ RAISED 1-GANG TRIM RING	RACO	259PL OR PRE-APPROVED EQUIVALENT	FLUSH W/ FINISHED CEILING (UNO)	(1) 1"	3/T601	-
SC2	NETWORK OUTLET - SECURITY CAMERA - CORNER	RECESSED JUNCTION BOX	RACO	688 OR PRE-APPROVED EQUIVALENT	REFER TO SECURITY CAMERA SCHEDULE	(1) 1"	2/T601	-
SC3	NETWORK OUTLET - SECURITY CAMERA - WALL	RECESSED JUNCTION BOX W/ RAISED 1-GANG TRIM RING	RACO	233 OR PRE-APPROVED EQUIVALENT	REFER TO SECURITY CAMERA SCHEDULE		4/T601	-

TECHNOLOGY FLOOR INFRASTRUCTURE SCHEDULE

MARK	DEVICE FUNCTION	DESCRIPTION	MAKE	MODEL	MOUNTING STYLE	CONDUIT SIZE	REFERENCE DETAIL	NOTES
FB1	RECESSED FLOOR BOX W/ NETWORK, AND POWER (FURNITURE FEED)	RECESSED FLOOR BOX DEVICE W/ 2 COMPARTMENTS	LEGRAND	RFB4A-OG	FLUSH W/ FINISHED FLOOR	(1) 1" , (1) 1-1/4"	-	-
FB1	RECESSED FLOOR BOX W/ NETWORK, AND POWER (FURNITURE FEED)	RECESSED FLOOR BOX DEVICE W/ 2 COMPARTMENTS	LEGRAND	RFB4A-OG	FLUSH W/ FINISHED FLOOR	(1) 1" , (1) 1-1/4"	-	-
FB2	RECESSED FLOOR BOX W/ NETWORK, AND POWER (FURNITURE FEED)	RECESSED FLOOR BOX DEVICE W/ 2 COMPARTMENTS	LEGRAND	RFB4A	FLUSH W/ FINISHED FLOOR	(1) 1" , (1) 1-1/4"	-	-
FB2	RECESSED FLOOR BOX W/ NETWORK, AND POWER (FURNITURE FEED)	RECESSED FLOOR BOX DEVICE W/ 2 COMPARTMENTS	LEGRAND	RFB4A	FLUSH W/ FINISHED FLOOR	(1) 1" , (1) 1-1/4"	-	-
FB2	RECESSED FLOOR BOX W/ NETWORK, AND POWER (FURNITURE FEED)	RECESSED FLOOR BOX DEVICE W/ 2 COMPARTMENTS	LEGRAND	RFB4A	FLUSH W/ FINISHED FLOOR	(1) 1" , (1) 1-1/4"	-	-
FB2	RECESSED FLOOR BOX W/ NETWORK, AND POWER (FURNITURE FEED)	RECESSED FLOOR BOX DEVICE W/ 2 COMPARTMENTS	LEGRAND	RFB4A	FLUSH W/ FINISHED FLOOR	(1) 1" , (1) 1-1/4"	-	-
FB2	RECESSED FLOOR BOX W/ NETWORK, AND POWER (FURNITURE FEED)	RECESSED FLOOR BOX DEVICE W/ 2 COMPARTMENTS	LEGRAND	RFB4A	FLUSH W/ FINISHED FLOOR	(1) 1" , (1) 1-1/4"	-	-

TECHNOLOGY POWER COORDINATION SCHEDULE

MARK	FUNCTION	VOLTS	PHASE	CIRCUIT BREAKER (AMPS)	NEMA	DESCRIPTION	DEDICATED CIRCUIT	ADDITIONAL REQUIREMENTS	MOUNTING STYLE	REFERENCE DETAIL	NOTES
P1	FLAT PANEL DISPLAY POWER	120	1	20	5-20R	DUPLEX RECEPTACLE INSIDE VIDEO DISPLAY BACK BOX		DEDICATED EQUIPMENT GROUND	PART OF VIDEO DISPLAY BACK BOX	2/T600	-
P2	TECHNOLOGY SYSTEMS FLOOR POWER	120	1	2 x 20	5-20R	DOUBLE DUPLEX RECEPTACLE	X	-	REFER TO ELECTRICAL	-	-

COMMUNICATIONS CABLING LEGEND

TYPE	CATEGORY 6	CATEGORY 6A	COAXIAL	DETAIL
a	1	0	0	-
b	2	0	0	-
c	4	0	0	-
d	2	0	1	-
e	0	0	0	-

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

TECHNOLOGY SCHEDULES

T001

4/21/2026 10:35:13 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. MANUFACTURERS AND MODELS NOTED IN SCHEDULES ARE BASIS OF DESIGN. REFER TO EQUIPMENT SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS. FOR MANUFACTURERS NOT LISTED IN SPECIFICATIONS SUBSTITUTION REQUESTS CAN BE SUBMITTED FOR REVIEW PRIOR TO BID, REFER TO SPECIFICATION 012500 FOR SUBSTITUTION REQUEST PROCEDURES AND FORM.

DISPLAY TYPE SCHEDULE

ALL DIMENSIONS IN INCHES / WEIGHT IN POUNDS

TYPE	IMAGE DIAGONAL	NOMINAL CASE SIZE			NOMINAL WEIGHT	BACKING	
		HEIGHT	WIDTH	DEPTH		HEIGHT	WIDTH
1	75"	37 13/16"	66 3/16"	1 15/16"	91.71	36"	48"
2	98"	49 1/4"	86 7/16"	3 13/16"	165.3	36"	48"

ROOM DISPLAY SCHEDULE

ALL DIMENSIONS IN INCHES

ROOM NUMBER	DISPLAY QTY	DISPLAY TYPE	MOUNTING STYLE	ELEV AFF OC
132	1	1	a	5' - 6"
229	1	2	a	5' - 6"

PROJECTOR & DISPLAY MOUNTING STYLE SCHEDULE

MOUNTING STYLE	INSTALLATION	REFERENCE DETAIL
a	WALL MOUNT DISPLAY	-

SECURITY CAMERA SCHEDULE

CAMERA	LOCATION	MANUFACTURER	TYPE	IMAGERS	AFF/AFG	MOUNTING	FIELD OF VIEW
CAM-01	EXTERIOR	AXIS P3738-PLE	MULTI-SENSOR	4	10'-0" AFF	CORNER	GENERAL OVERVIEW OF EXTERIOR
CAM-02	EXTERIOR	AXIS P3738-PLE	MULTI-SENSOR	4	10'-0" AFF	CORNER	GENERAL OVERVIEW OF EXTERIOR
CAM-03	EXTERIOR	AXIS P3738-PLE	MULTI-SENSOR	4	10'-0" AFF	CORNER	GENERAL OVERVIEW OF EXTERIOR
CAM-04	EXTERIOR	AXIS P3738-PLE	MULTI-SENSOR	4	10'-0" AFF	CORNER	GENERAL OVERVIEW OF EXTERIOR
CAM-05	LOBBY 101	AXIS P3267-LVE	DOME	1	N/A	CEILING	GENERAL OVERVIEW OF LOBBY 101
CAM-06	LOBBY 101	AXIS P3267-LVE	DOME	1	N/A	CEILING	GENERAL OVERVIEW OF LOBBY 101
CAM-07	CORRIDOR 142	AXIS P3267-LVE	DOME	1	8'-0" AFF	WALL	GENERAL COVERAGE OF ENTRY DOOR 118 AND GUN ROOM 134 ENTRY DOOR

SCHEDULE GENERAL NOTES

1 REFER TO SPECIFICATIONS SECTION 282300 FOR ADDITIONAL INFORMATION, INCLUDING RECORDING RESOLUTIONS AND FRAMERATES.
2 REVIEW FINAL FIELDS-OF-VIEW WITH OWNER AS PART OF START-UP AND ACCEPTANCE TESTING.
3 PROVIDE SURGE PROTECTION DEVICES FOR ALL EXTERIOR CAMERAS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4 REFER TO DETAILS FOR MOUNTING REQUIREMENTS.
5 INSTALL ELEVATOR CAMERAS IN CORNER OF ELEVATOR CAB. UTILIZE TRAVELING CABLE AND MEDIA CONVERTERS TO CONNECT CAMERA. REFER TO TELECOM PLANS.
6 CONFIRM FINISH AND COLOR WITH OWNER AND ARCHITECT/ENGINEER PRIOR TO ORDERING.
7 PROVIDE PENDANT MOUNTS FOR CAMERAS LOCATED IN EXPOSED CEILING AREAS.

ELECTRONIC ACCESS CONTROL SYSTEM COORDINATION SCHEDULE

DOOR NUMBER	HARDWARE SET	ROOM NAME	ROUGH-IN DETAIL REFERENCE	CABLING TERMINATION POINT	ELECTRIFIED LOCK TYPE (BY DOOR SUPPLIER)	FAIL-SECURE (FAIL-SAFE IF BLANK)	POWER TRANSFER HINGE BY DOOR SUPPLIER	CARD READER BY SECURITY	DOOR CONTACT BY DOOR SUPPLIER	INTEGRATED REX BY DOOR SUPPLIER	INTEGRATED LATCH BOLT MONITOR BY DOOR SUPPLIER	REX MOTION SENSOR BY SECURITY	REX PUSH BUTTON BY SECURITY	HOLD-OPEN	POWER SUPPLY IN MDF/IDF BY SECURITY	FIRE ALARM RELEASE	AUTO-OPERATOR BY OTHERS	AUTO-OPERATOR ACTUATOR BY OTHERS	ELECTRIFIED HOLD-OPEN	VIDEO INTERCOM BY SECURITY	DOUBLE DOOR	REMARKS	NOTES
Level 1																							
100A	2.0	LOBBY 101	1/T601	DATA 231	ELECTRIC LATCH RETRATION	X	X	X	X	X	X				X		X	X					
100B	2.1	LOBBY 101	1/T601	DATA 231	ELECTRIC LATCH RETRATION	X	X	X	X	X	X				X		X	X					3	
101A	5.0	LOBBY 101	2/T605	DATA 231	ELECTRIC LATCH RETRATION	X	X	X	X	X					X									
101B	4.0	LOBBY 101	1/T605	DATA 231	ELECTRIC LATCH RETRATION	X	X	X	X	X					X									
117	3.0	FIRE SPRINKLER 117	1/T605	DATA 231	MONITORED DOOR				X	X	X				X									
118	1.0	CORRIDOR 142	1/T605	DATA 231	ELECTRIC LATCH RETRATION	X	X	X	X	X	X				X									
134	7.0	GUN ROOM 134	1/T605	DATA 231	ELECTRIFIED LOCK	X	X	X	X	X					X									

GENERAL NOTES

1 REFER TO SPECIFICATION 281300 FOR ADDITIONAL INFORMATION REGARDING THE ELECTRONIC ACCESS CONTROL SYSTEM.
2 REFER TO DIVISION 08 DOOR HARDWARE SPECIFICATIONS FOR DOOR HARDWARE DETAILS.
3 ALL INPUTS SHALL BE SUPERVISED WITH END-OF-LINE RESISTORS (EOLR). PROVIDE RESISTORS IN SERIES AND IN PARALLEL OF EACH INPUT. RESISTORS SHALL BE INSTALLED AT THE INPUT DEVICE. BASIS OF DESIGN IS GRI 6644.
4 FOR ALL DOUBLE DOORS MONITORED BY THE EAC SYSTEM, PROVIDE ONE DOOR POSITION SWITCH FOR EACH DOOR LEAF.
5 PROVIDE DOOR SEQUENCING RELAYS SUCH THAT EXTERIOR ADA BUTTONS ARE DISABLED WHEN ASSOCIATED DOOR IS LOCKED.

REMARKS

1 DOUBLE DOOR WITH BOTH DOORS CONTROLLED AND MONITORED.
2 DOUBLE DOOR WITH BOTH DOORS MONITORED.
3 LOCATE CARD READER ADJACENT TO OUTSIDE AUTO-OPERATOR ACTUATOR. DISABLE ACTUATOR INPUT WHEN DOOR IS IN LOCKED/SECURED STATE.

4/21/2026 10:35:15 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

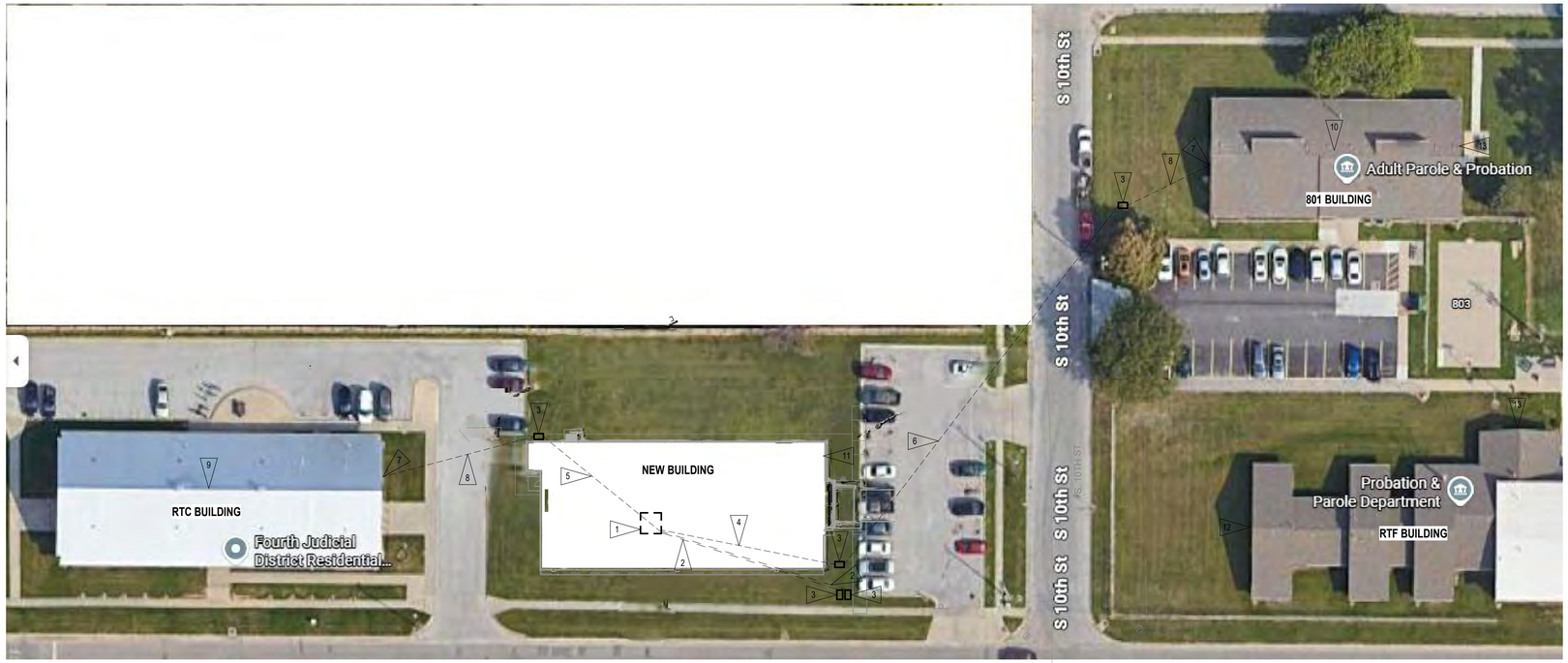
Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED. ©

PROJECT NUMBER
25079

TECHNOLOGY SCHEDULES

T002



1 SITE PLAN - TECHNOLOGY
SCALE: 1" = 30'-0"

15' 30' 60' 90' 120' 150'

GENERAL NOTES

A. VERIFY EXACT LOCATION OF EXISTING UTILITIES IN THE FIELD PRIOR TO EXCAVATION. REPORT DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND ACTUAL CONDITIONS PRIOR TO PROCEEDING WITH WORK.

B. COORDINATE ANY OUTAGES OF EXISTING BUILDING SERVICES AND NETWORKS WITH FACILITY AND OWNER AT LEAST 14 DAYS IN ADVANCE. ANY NETWORK OR SERVICE OUTAGE SHALL BE LESS THAN 2 HOURS.

FLAG NOTES

1. APPROXIMATE LOCATION OF DATA 231 LOCATED ON 2ND LEVEL.
2. (1) 4" CONDUIT ROUTED BETWEEN PULLBOX AND DATA 231. CONDUIT SHALL ROUTE UP WITHIN WALL SPACE BETWEEN BREAKROOM 133 AND CONFERENCE 132. CONDUITS SHALL STUB UP 4" ABOVE FLOOR WITHIN DATA 231. CONDUIT FOR SERVICE PROVIDER CABLING.
3. 48" LONG X 30" WIDE QUAZITE IN-GRADE BOX. REFER TO DETAIL 8/T603 FOR ADDITIONAL REQUIREMENTS.
4. (2) 2" CONDUITS ROUTED BETWEEN PULLBOX AND DATA 231. CONDUITS SHALL ROUTE UP WITHIN WALL SPACE BETWEEN BREAKROOM 133 AND CONFERENCE 132. CONDUITS SHALL STUB UP 4" ABOVE FLOOR WITHIN DATA 231. ONE CONDUIT FOR CABLING TO BUILDING 801 AND ONE SPARE CONDUIT.
5. (1) 2" CONDUIT ROUTED BETWEEN PULLBOX AND DATA 231. CONDUIT SHALL ROUTE UP WITHIN WALL SPACE BETWEEN BREAKROOM 133 AND CONFERENCE 132. CONDUIT SHALL STUB UP 4" ABOVE FLOOR WITHIN DATA 231. CONDUIT FOR CABLING TO RTC BUILDING.
6. DIRECTIONAL BORE (1) 2" UNDERGROUND CONDUIT BETWEEN PULLBOXES. CONTRACTOR SHALL COORDINATE WITH CITY AND UTILITIES FOR ROUTING OF UNDERGROUND CONDUITS PRIOR TO INSTALLATION OF CONDUITS.
7. STUB CONDUIT UP INTO 12" X 12" X 6" ENCLOSURE WITH LOCKING COVER. LOCKING COVER SHALL BE KEYED TO OWNER STANDARDS. PAINT CONDUIT AND ENCLOSURE TO MATCH ADJANCENT SURFACES. REFER TO DETAIL 3/T605 FOR ADDITIONAL INFORMATION.
8. (1) 2" UNDERGROUND CONDUIT FROM BUILDING EXTERIOR TO TECHNOLOGY QUAZITE PULL BOX.
9. ROUTE NEW FIBER OPTIC CABLING ABOVE CEILING WITHIN RTC BUILDING TO EXSITING TELECOM RACK LOCATION. CONTRACTOR SHALL PROVIDE NECESSARY J-HOOKS AND CONDUITS ABOVE CEILING. SEE RISER DIAGRAM ON SHEET T500 FOR ADDITIONAL INFORMATION.
10. ROUTE NEW FIBER OPTIC CABLING ABOVE CEILING WITHIN 801 BUILDING TO EXSITING TELECOM RACK LOCATION. CONTRACTOR SHALL PROVIDE NECESSARY J-HOOKS AND CONDUITS ABOVE CEILING. SEE RISER DIAGRAM ON SHEET T500 FOR ADDITIONAL INFORMATION.
11. RELOCATE EXISTING WIRELESS ANTENNA FROM 801 BUILDING TO NEW BUILDING FOR WIRELESS CONNECTION TO EXISTING RTF BUILDING.
12. RELOCATE EXISTING WIRELESS ANTENNA WITH RTF BUILDING TO CONNECT WIRELESSLY TO NEW BUILDING. CONTRACTOR SHALL PROVIDE DATA CONNECTION WITHIN RTF BUILDING FROM EXISTING RACK LOCATION TO NEW WIRELESS ANTENNA LOCATION. CONTRACTOR SHALL PROVIDE NECESSARY J-HOOKS AND CONDUITS ABOVE CEILING.
13. EXISTING WIRELESS ANTENNA LOCATION.

N

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

SITE PLAN - TECHNOLOGY

T100

4/21/2026 10:35:17 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. ALL DATA AND SECURITY CABLING SHALL ROUTE TO AND TERMINATE IN DATA ROOM 231.

B. PROVIDE (1) 2" CONDUIT ABOVE CEILING FROM EACH ROOM TO CABLE TRAY WITHIN HALLWAY FOR ROUTING OF DATA AND SECURITY CABLING.

FLAG NOTES

1. CARD READER MOUNTED ON PEDESTAL. PROVIDE 1" CONDUIT FROM PEDESTAL TO ACCESS CONTROL JUNCTION BOX ABOVE CEILING FOR DOOR 100B.
2. CONDUITS FROM DATA 231 TO EXTERIOR PULL BOXES. SEE TECHNOLOGY SITE PLAN FOR CONTINUATION.



1 LEVEL 1 - TECHNOLOGY FLOOR PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 1 - TECHNOLOGY FLOOR PLAN

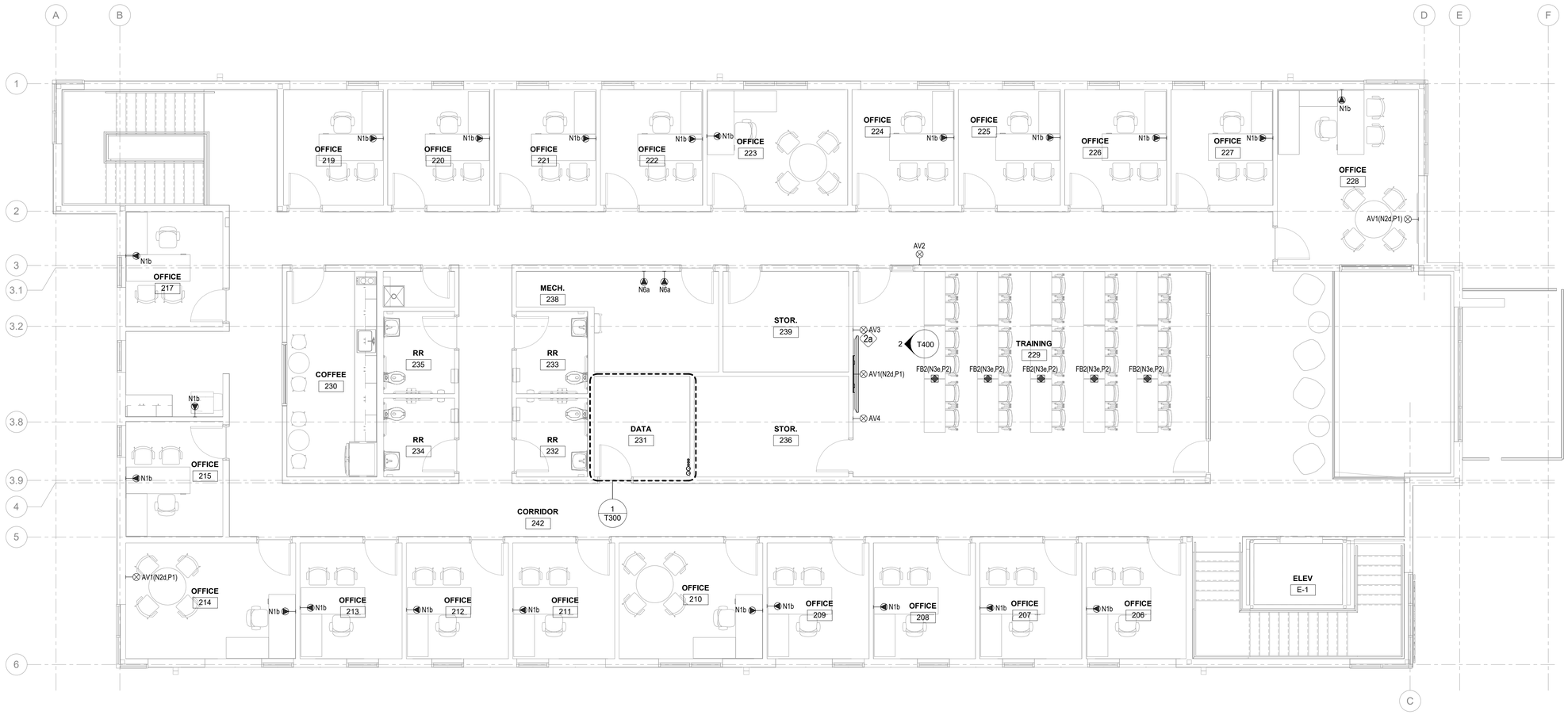
T101

4/21/2026 10:35:19 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

GENERAL NOTES

A. ALL DATA AND SECURITY CABLING SHALL ROUTE TO AND TERMINATE IN DATA ROOM 231.

B. PROVIDE (1) 2" CONDUIT ABOVE CEILING FROM EACH ROOM TO CABLE TRAY WITHIN HALLWAY FOR ROUTING OF DATA AND SECURITY CABLING.



1 LEVEL 2 - TECHNOLOGY FLOOR PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 2 - TECHNOLOGY FLOOR PLAN

T102

4/21/2026 10:35:22 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

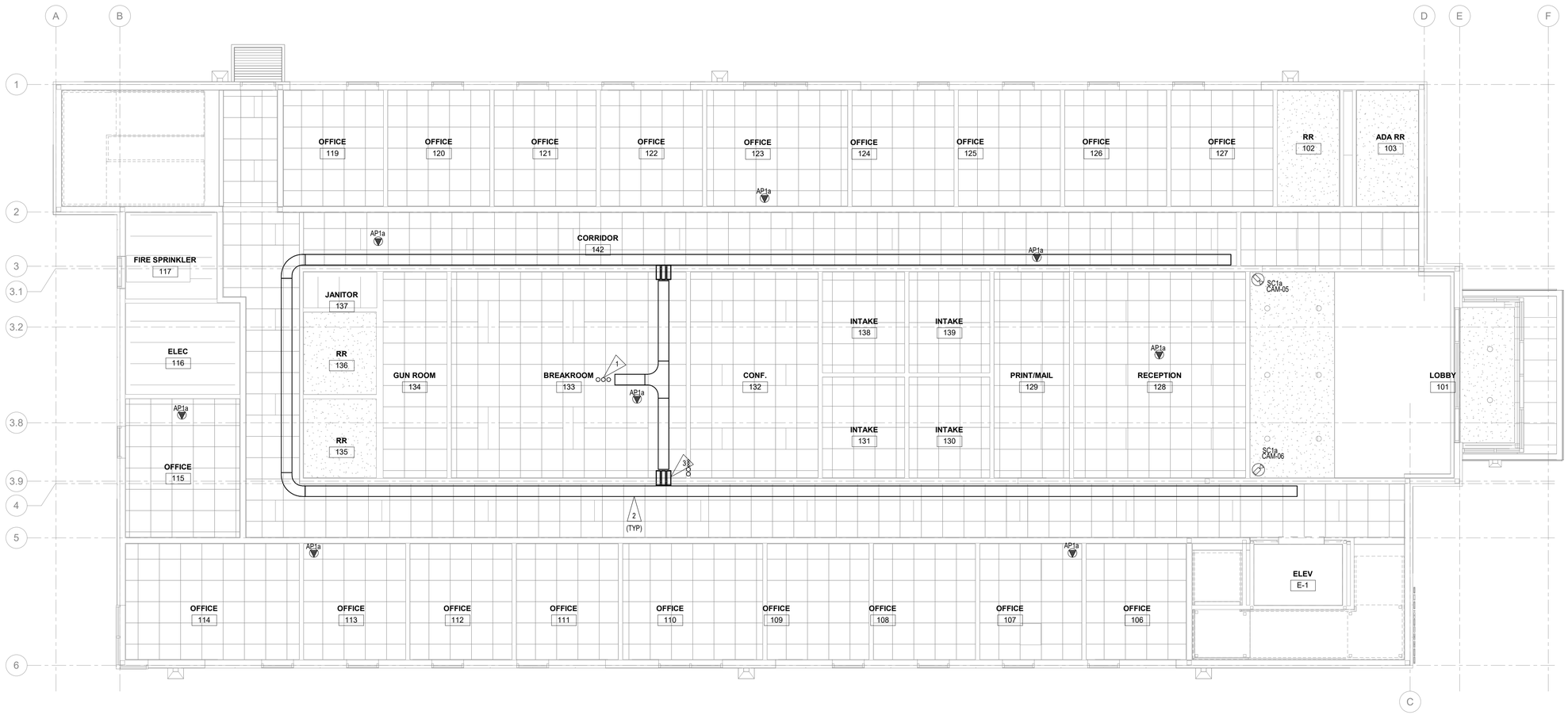
GENERAL NOTES

A. ALL DATA AND SECURITY CABLING SHALL ROUTE TO AND TERMINATE IN DATA ROOM 231.

B. PROVIDE (1) 2" CONDUIT ABOVE CEILING FROM EACH ROOM TO CABLE TRAY WITHIN HALLWAY FOR ROUTING OF DATA AND SECURITY CABLING.

FLAG NOTES

1. (3) 4" CONDUIT FROM CEILING SPACE TO DATA 231 ABOVE.
2. 12" X 4" WIRE BASKET CABLE TRAY 6" ABOVE CEILING.
3. (3) 4" CONDUIT SLEEVES.



1 LEVEL 1 - TECHNOLOGY REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 1 - TECHNOLOGY REFLECTED CEILING PLAN

T201

4/21/2026 10:35:24 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

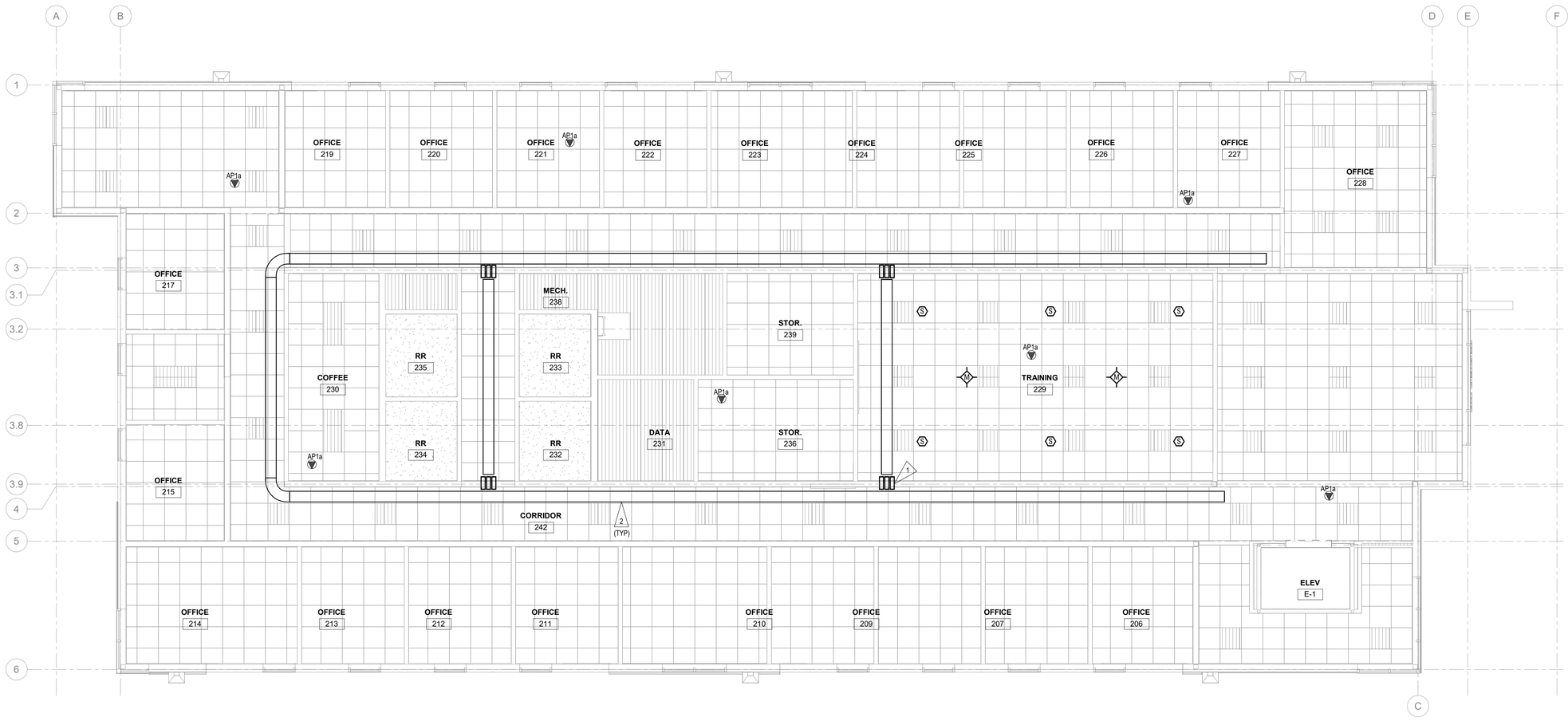
GENERAL NOTES

A. ALL DATA AND SECURITY CABLING SHALL ROUTE TO AND TERMINATE IN DATA ROOM 231.

B. PROVIDE (1) 2" CONDUIT ABOVE CEILING FROM EACH ROOM TO CABLE TRAY WITHIN HALLWAY FOR ROUTING OF DATA AND SECURITY CABLING.

FLAG NOTES

1. (3) 4" CONDUIT SLEEVES.
2. 12" X 4" WIRE BASKET CABLE TRAY 6" ABOVE CEILING.



LEVEL 2 - TECHNOLOGY REFLECTED CEILING PLAN

1 SCALE: 3/16" = 1'-0"

3' 6' 12' 18' 24'

N

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

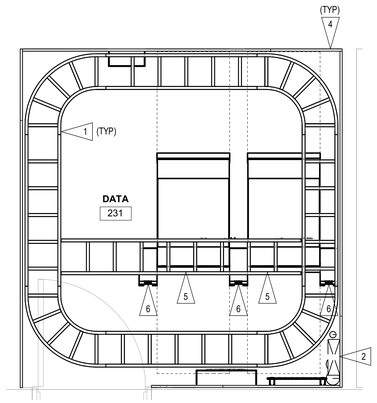
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

LEVEL 2 - TECHNOLOGY REFLECTED CEILING PLAN

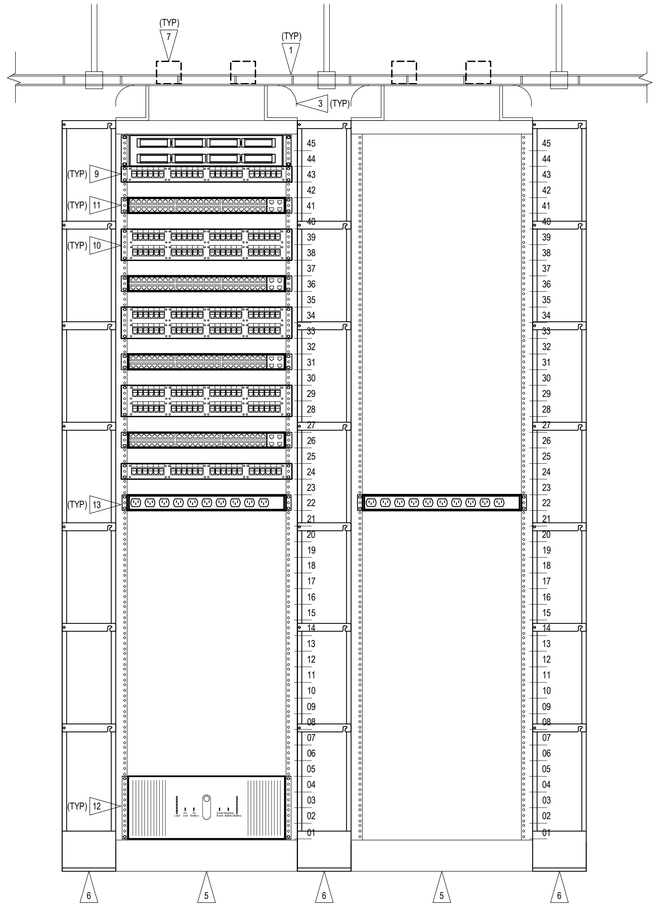
T202

4/21/2026 10:35:27 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 T300 ENLARGED - DATA 231

1/2" = 1'-0"



2 T300 DATA 231 - RACK ELEVATION

NO SCALE

FLAG NOTES

1. PROVIDE 12" WIDE CABLE LADDER RUNWAY. MOUNTED AT 7'-6" AFF. USE MANUFACTURER'S WALL BRACKET TO SUPPORT CABLE LADDER RUNWAY ON WALL. WHERE CABLE LADDER RUNWAY IS LOCATED DIRECTLY OVER EQUIPMENT RACKS, ANCHOR CABLE LADDER RUNWAY TO EQUIPMENT RACKS. PROVIDE 6" RETAINING POSTS AT 18" ON CENTER ON BOTH SIDES OF CABLE LADDER RUNWAY. PROVIDE CORNER FITTINGS AND ALL ACCESSORIES FOR A COMPLETE SYSTEM.
2. PROVIDE 12" WIDE LADDER RUNWAY MOUNTED VERTICALLY ON THE WALL FROM HORIZONTAL CABLE LADDER RUNWAY TO SLEEVES/CONDUITS AT FLOOR.
3. PROVIDE CABLE DROPOUTS (2 PER RACK) LOCATED AS INDICATED FOR VERTICAL CABLE SUPPORT.
4. PROVIDE VOID FREE 3/4" A/C PLYWOOD FROM 8" AFF TO 8'-8" AFF WITH THE A GRADE SIDE OF THE PLYWOOD FACING THE INSIDE OF THE ROOM AND FASTENED TO THE WALL-FRAMING MEMBERS. PAINT PLYWOOD WITH 2 COATS OF FIRE RETARDANT PAINT. COORDINATE PAINTING OF WALLS AROUND PLYWOOD AND CEILING BEFORE INSTALLATION OF TELECOMMUNICATIONS EQUIPMENT. SEE ARCHITECTURAL PLANS.
5. PROVIDE 4-POST EQUIPMENT RACK. REFER TO SPECIFICATIONS 271101.
6. PROVIDE 6" VERTICAL WIRE MANAGER. REFER TO SPECIFICATIONS 271101.
7. ELECTRICAL RECEPTACLES FOR TECHNOLOGY EQUIPMENT RACKS. REFER TO TECHNOLOGY POWER COORDINATION SCHEDULE AND ELECTRICAL SCOPE.
8. PROVIDE 2U HORIZONTAL WIRE MANAGER. SEE SPECIFICATIONS SECTION 271101.
9. PROVIDE 24-PORT COPPER PATCH PANEL FOR NETWORK CABLING TERMINATIONS. REFER TO SPECIFICATIONS SECTION 271513.
10. PROVIDE 48-PORT COPPER PATCH PANEL FOR NETWORK CABLING TERMINATIONS. REFER TO SPECIFICATIONS SECTION 271513.
11. OWNER FURNISHED, OWNER INSTALLED RACK MOUNT NETWORK ELECTRONICS.
12. OWNER FURNISHED, OWNER INSTALLED RACK MOUNT UPS.
13. OWNER FURNISHED, OWNER INSTALLED HORIZONTAL PDU.
14. (3) 4" CONDUIT THROUGH FLOOR FROM CABLE TRAY BELOW.

RACK SYMBOL LEGEND

1U 24-PORT FLAT PATCH PANEL	2U 48-PORT FLAT PATCH PANEL	1U 24-PORT ANGLED PATCH PANEL	2U 48-PORT ANGLED PATCH PANEL	1U 24-PORT NETWORK SWITCH	1U 48-PORT NETWORK SWITCH	1U SERVER
1U FIBER PANEL	2U FIBER PANEL	4U FIBER PANEL	1U HORIZONTAL WIRE MANAGER	2U HORIZONTAL WIRE MANAGER	4U HORIZONTAL WIRE MANAGER	2U SERVER
1U BLANK PANEL	2U BLANK PANEL	3U BLANK PANEL	4U BLANK PANEL	1U GROUND BAR	1U PDU	3U SERVER
FLOOR-STANDING EQUIPMENT RACK	FLOOR-STANDING NETWORK CABINET	VERTICAL WIRE MANAGER	WALL-MOUNTED EQUIPMENT RACK OR NETWORK CABINET	2U UPS	4U UPS	4U SERVER
				3U UPS	RACK MOUNTED BATTERY (+/-)	
				RACK-MOUNTED PUNCH-DOWN BLOCK	2U SHELF	

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

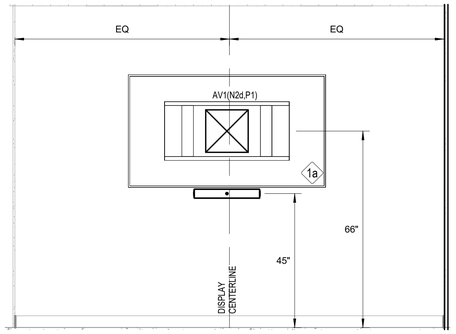
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

PROJECT NUMBER
25079

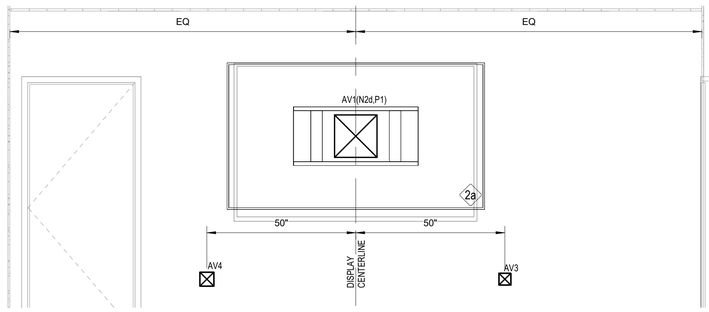
TECHNOLOGY ENLARGED PLANS

T300

4/21/2026 10:35:29 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 T400 CONFERENCE 132
1/2" = 1'-0"



2 T400 TRAINING 229
1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

TECHNOLOGY ELEVATIONS

T400

4/21/2026 10:35:30 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

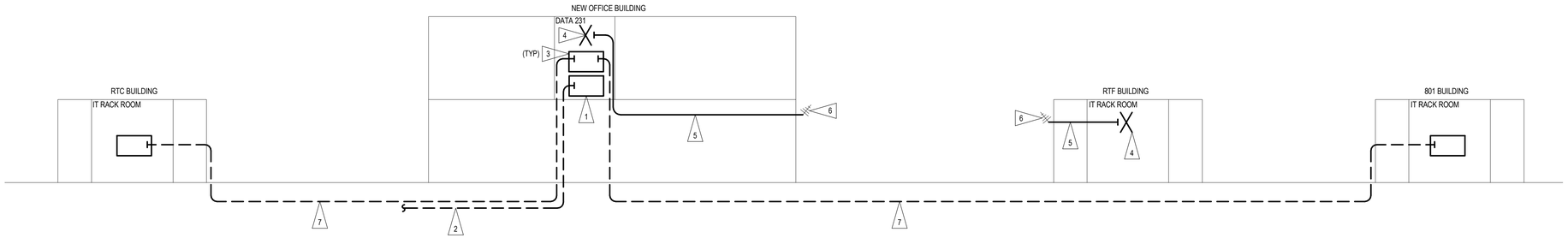
GENERAL NOTES

A. REFER TO T000 FOR TECHNOLOGY GENERAL NOTES AND SYMBOL LEGEND.

B. REFER TO T100 TECHNOLOGY SITE PLAN FOR ADDITIONAL INFORMATION.

FLAG NOTES

1. SERVICE PROVIDER FIBER TERMINATION SHELF. BY OTHERS.
2. INCOMING SERVICE PROVIDER FIBER OPTIC CABLING. BY OTHERS.
3. FIBER OPTIC TERMINATION SHELF.
4. COPPER PATCH PANEL.
5. (1) CATEGORY 6 COPPER CABLE.
6. RELOCATED WIRELESS ANTENNA. CONTRACTOR SHALL RE-ESTABLISH NETWORK CONNECTION BETWEEN BUILDINGS.
7. 12-STRAND INDOOR/OUTDOOR RATED SINGLE MODE FIBER OPTIC CABLE.



1 TECHNOLOGY RISER
SCALE: NO SCALE

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

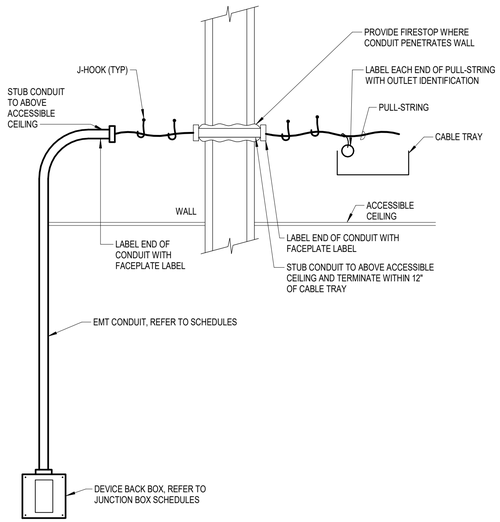
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

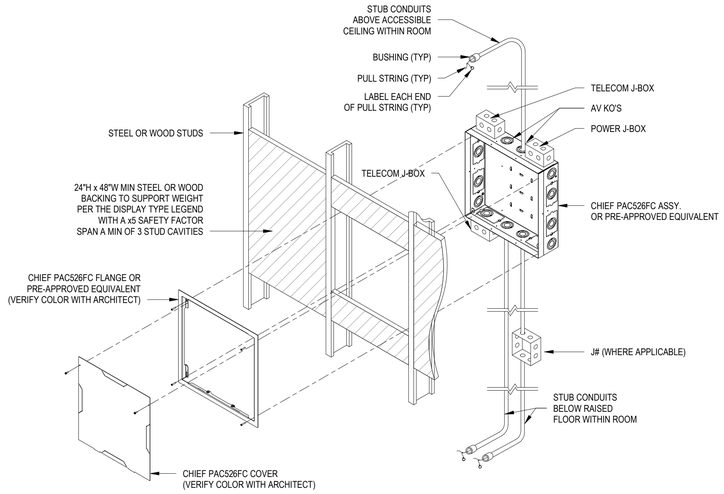
TECHNOLOGY RISERS

T500

4/21/2026 10:35:31 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



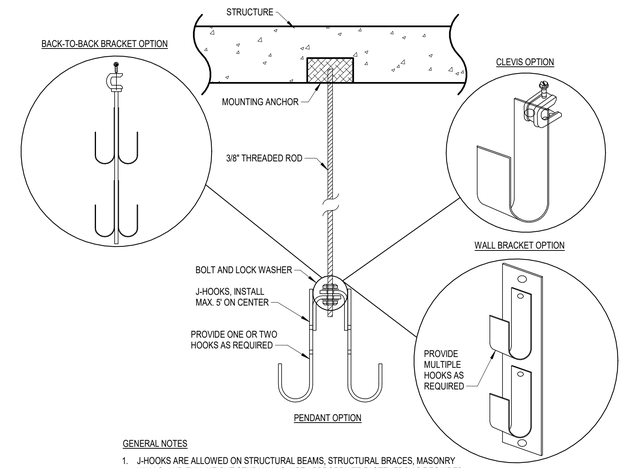
1 T600 CONCEALED CONDUIT WITH J-HOOKS TO CABLE TRAY
NO SCALE



NOTES:

1. BACKING CENTERED AT LOCATION OF FLAT PANEL DISPLAY.
2. BACKING MUST BE 24"H x 48"W MIN
3. ALWAYS SPAN BETWEEN AT LEAST THREE STUD CAVITIES.
4. SEE PARTITION TYPES FOR STUD SIZE AND MATERIAL.
5. VERIFY LOCATIONS OF BACKING WITH PLANS & ROOM ELEVATIONS.
6. FLAT PANEL DISPLAYS AND MOUNTING BRACKETS BY AV CONTRACTOR.

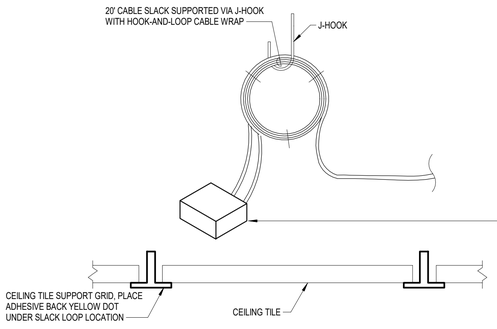
2 T600 WALL BOX - BACKING
NO SCALE



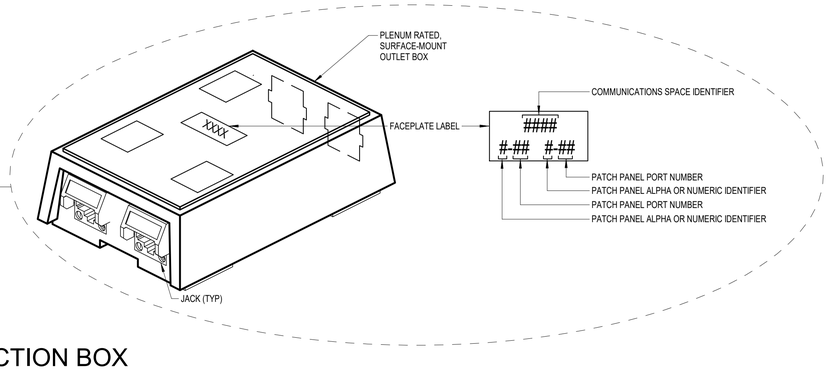
GENERAL NOTES

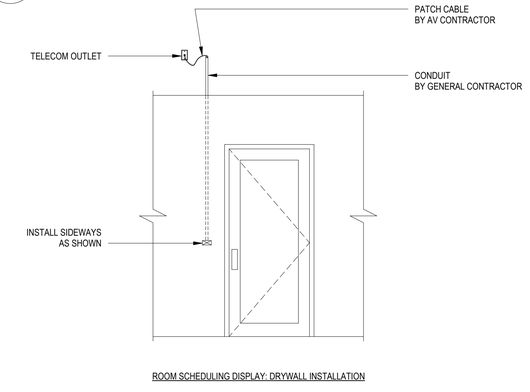
1. J-HOOKS ARE ALLOWED ON STRUCTURAL BEAMS, STRUCTURAL BRACES, MASONRY WALLS, AND FULL HEIGHT STUD WALLS. USE APPROPRIATE FASTENERS AS REQUIRED.
2. J-HOOKS SHALL NOT BE ON CEILING SUPPORT HARDWARE, DUCT HANGERS, ETC.
3. J-HOOK CAPACITY SHALL NOT EXCEED MANUFACTURER MAXIMUMS FOR CATEGORY 5e, 6, AND 6A CABLING.
4. UTILIZE 650 lbs. MIN. ANCHORS ON THREADED ROD. MAXIMUM LOAD ON ASSEMBLY NOT TO EXCEED 150 lbs.
5. THREADED ROD MOUNTING IS SHOWN FOR FREE-STANDING CONDITIONS.
6. SECURE CABLING TO J-HOOK UTILIZING HOOK-AND-LOOP STRAPS. STRAPS SHALL BE PLENUM-RATED WHEN LOCATED IN AIR-HANDLING SPACES.
7. J-HOOKS SHALL BE INSTALLED IN THE ABOVE VERTICAL ORIENTATION. DO NOT INSTALL IN A HORIZONTAL ORIENTATION.

3 T600 J-HOOK SUPPORT INSTALLATION
NO SCALE



4 T600 CEILING MOUNT WORK AREA OUTLET JUNCTION BOX
NO SCALE



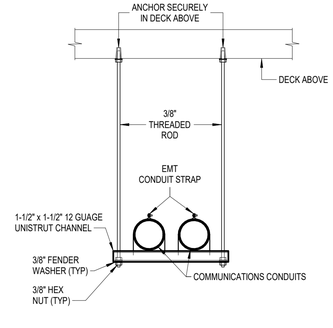


ROOM SCHEDULING DISPLAY: DRYWALL INSTALLATION

NOTES:

1. UNLESS OTHERWISE INDICATED GENERAL CONTRACTOR TO PROVIDE ALL ELEMENTS SHOWN.

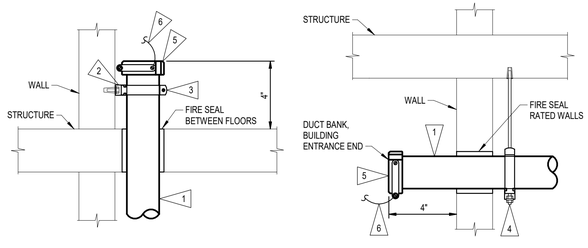
5 T600 ROOM SCHEDULING INFRASTRUCTURE
NO SCALE



NOTE:

1. SUPPORT CONDUIT AT MAXIMUM 5'-0" SEPARATIONS.
2. CONFIGURATION OF CONDUITS WILL VARY WITH QUANTITY AND SIZE OF CONDUITS.
3. DIMENSIONS GIVEN ON PLANS ARE TO BOTTOM OF CONDUIT, UNLESS NOTED OTHERWISE.

6 T600 HORIZONTAL CONDUIT SUPPORT
NO SCALE



FLOOR PENETRATION

WALL PENETRATION

FLAG NOTES:

1. UNDERGROUND COMMUNICATIONS ENTRANCE CONDUITS WITH INSULATED BONDING BUSHING ON BUILDING ENTRANCE END (FOR RGS INSTALLATION).
2. 1-1/2" x 1-1/2" 12 GUAGE UNISTRUT CHANNEL. ANCHOR SECURELY TO WALL.
3. 4" STRAPS.
4. UNISTRUT CHANNEL AND STRAP SUPPORT. ANCHOR SECURELY TO DECK ABOVE.
5. 4" DIE-CAST INSULATED BONDING BUSHING.
6. #6 AWG COPPER CONDUCTOR WITH GREEN INSULATION. BOND TO PBB.

7 T600 COMMUNICATIONS ROOM RISER CONDUIT INSTALLATION
NO SCALE

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

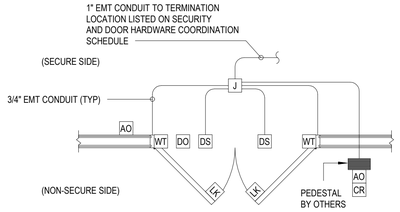
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

TECHNOLOGY DETAILS

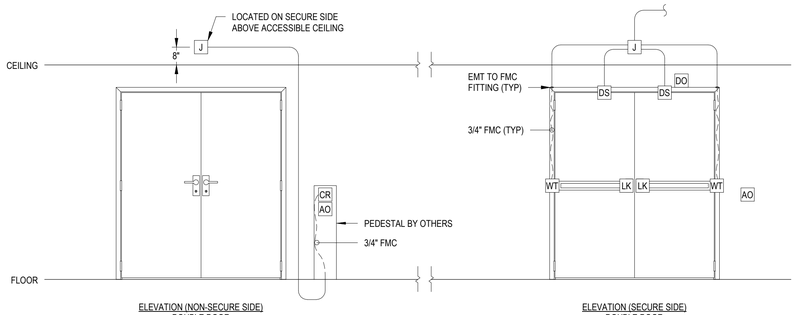
T600

4/21/2026 10:35:33 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



PLAN VIEW

SYMBOL	EQUIPMENT DESCRIPTION	ROUGH-IN REQUIREMENT
J	JUNCTION BOX	REFER TO SECURITY JUNCTION BOX SCHEDULE
DS	DOOR POSITION SWITCH	WELDED-IN-FRAME JUNCTION BOX BY DOOR FRAME SUPPLIER
CR	CARD READER	REFER TO SECURITY JUNCTION BOX SCHEDULE
WT	WIRE TRANSFER DEVICE	WELDED-IN-FRAME JUNCTION BOX BY DOOR FRAME SUPPLIER
LK	ELECTRIFIED LOCK	DOOR PREPPED BY DOOR SUPPLIER
DO	AUTOMATIC DOOR OPERATOR	CONDUIT AND WIRING BY ELECTRICAL; REFER TO ARCHITECTURAL SCOPE FOR EXACT PLACEMENT
AO	AUTO-OPERATOR ACTUATOR	JUNCTION BOX, CONDUIT, AND WIRING BY ELECTRICAL; REFER TO ARCHITECTURAL SCOPE FOR EXACT PLACEMENT

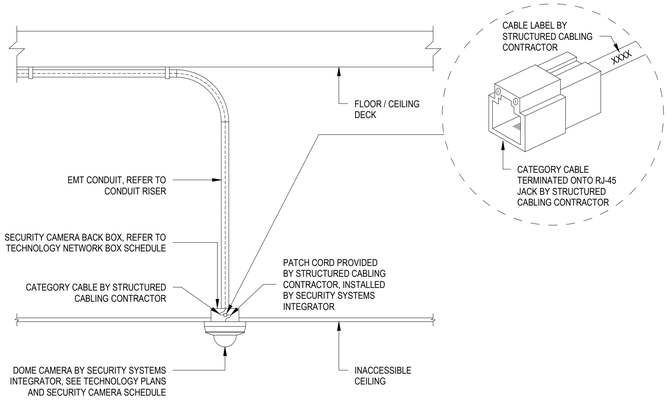


ELEVATION (NON-SECURE SIDE) DOUBLE DOOR

ELEVATION (SECURE SIDE) DOUBLE DOOR

1 T601 DOUBLE HOLLOW-METAL DOORS - J, DS, CR(P), WT, LK, DO, AO(P), IC(P)

NO SCALE

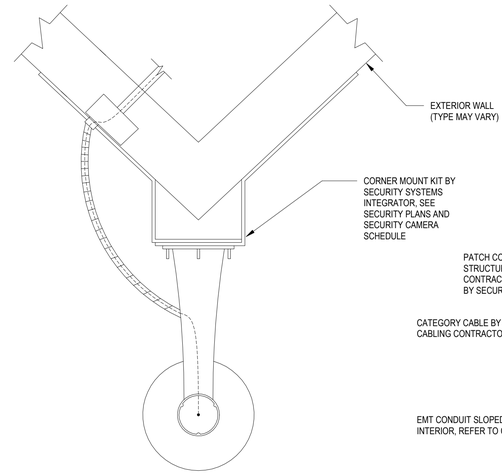


NOTES:

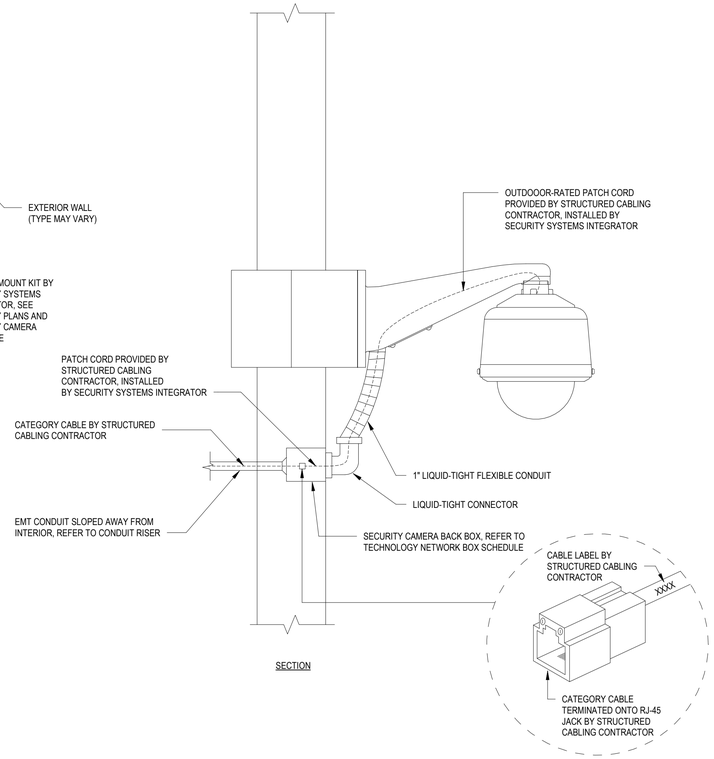
1. UNLESS OTHERWISE INDICATED ELECTRICAL CONTRACTOR TO PROVIDE ALL ELEMENTS SHOWN.
2. CONTINUE CONDUIT TO NEAREST ACCESSIBLE CEILING OR TO CABLE TERMINATION POINT, WHICHEVER IS LESS.
3. PROVIDE 3' SLACK LOOP BEFORE CABLE ENTERS CONDUIT.
4. PATCH CORD SHALL BE OUTDOOR-RATED FOR EXTERIOR INSTALLATIONS.

3 T601 INACCESSIBLE CELING FLUSH MOUNT SECURITY CAMERA

NO SCALE



PLAN VIEW



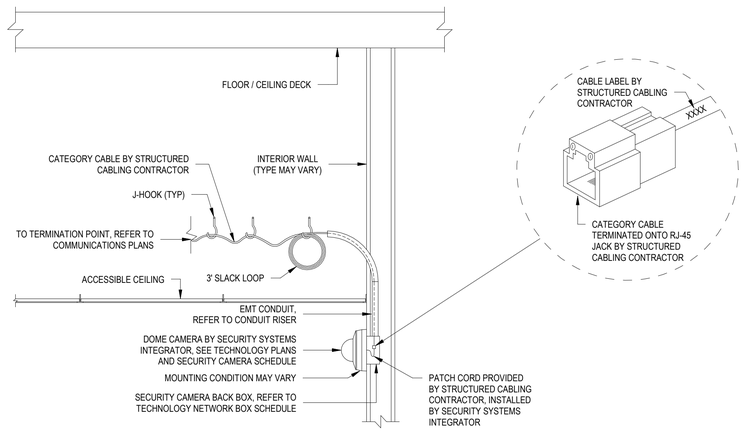
SECTION

NOTES:

1. UNLESS OTHERWISE INDICATED, ELECTRICAL CONTRACTOR TO PROVIDE ALL ELEMENTS SHOWN.
2. CONTINUE CONDUIT TO NEAREST ACCESSIBLE CEILING OR TO CABLE TERMINATION POINT, WHICHEVER DISTANCE IS LESS. PROVIDE 3' SLACK LOOP BEFORE CABLE ENTERS CONDUIT.

2 T601 EXTERIOR CORNER MOUNT SECURITY CAMERA

NO SCALE



NOTES:

1. UNLESS OTHERWISE INDICATED, ELECTRICAL CONTRACTOR TO PROVIDE ALL ELEMENTS SHOWN.
2. WHERE CEILING IS INACCESSIBLE, CONTINUE CONDUIT TO NEAREST ACCESSIBLE CEILING OR TO CABLE TERMINATION POINT, WHICHEVER DISTANCE IS LESS.

4 T601 INTERIOR WALL FLUSH MOUNT SECURITY CAMERA

NO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

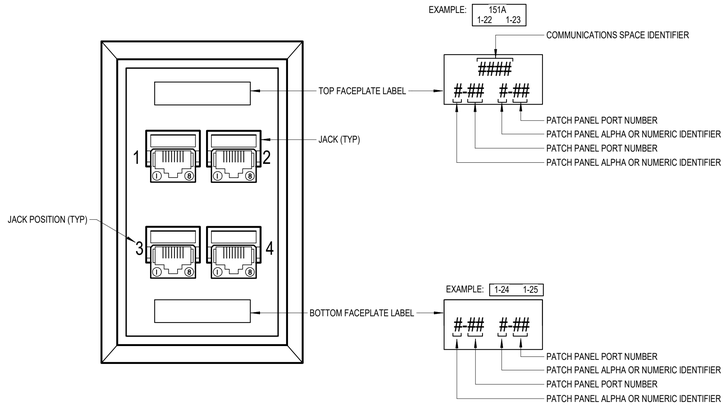
Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

PROJECT NUMBER
25079

TECHNOLOGY DETAILS

T601

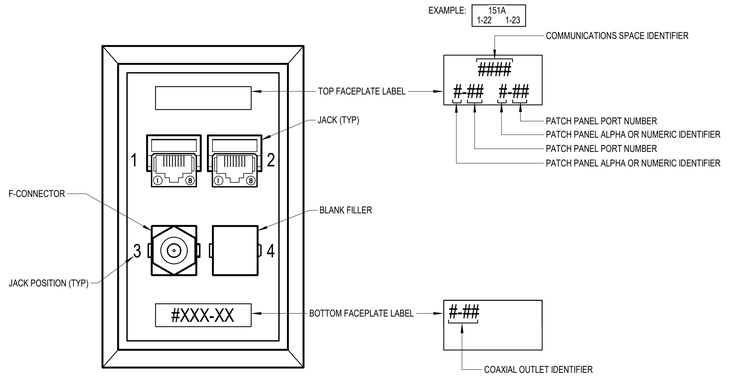
4/21/2026 10:35:35 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



GENERAL NOTES:

1. QUANTITY OF JACKS MAY VARY. REFER TO PLANS.
2. PROVIDE BLANK FILLERS FOR UNUSED JACK OPENINGS.

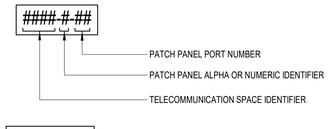
1 T602 4-PORT COMMUNICATIONS FACEPLATE
NO SCALE



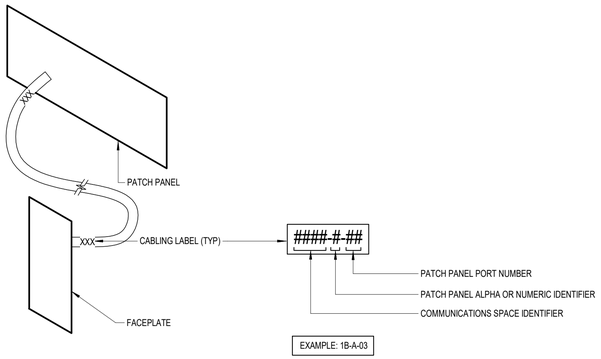
GENERAL NOTES:

1. QUANTITY OF JACKS MAY VARY. REFER TO PLANS.
2. PROVIDE BLANK FILLERS FOR UNUSED JACK OPENINGS.

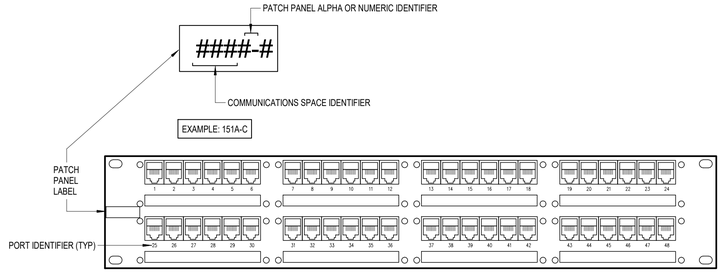
2 T602 COMBINATION 4-PORT COMMUNICATIONS FACEPLATE
NO SCALE



3 T602 TYPICAL HORIZONTAL CABLING LABELING
NO SCALE

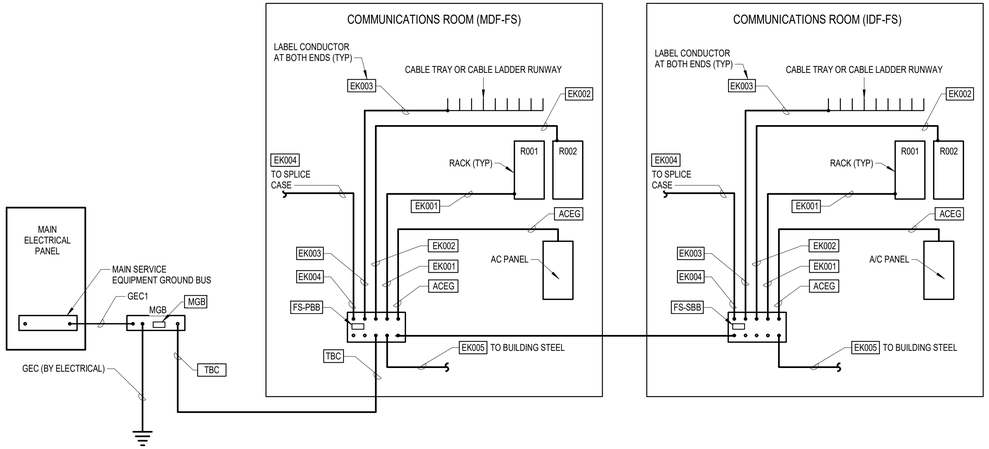


4 T602 TYPICAL HORIZONTAL CABLING LABELING
NO SCALE

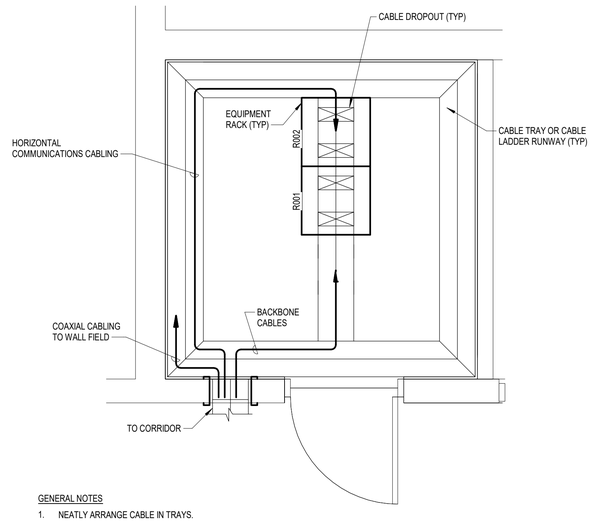


5 T602 48 PORT MODULAR PATCH PANEL LABELING
NO SCALE

6 T602 PATCH PANEL LABELING
NO SCALE



7 T602 COMMUNICATIONS GROUNDING LABELING
NO SCALE



GENERAL NOTES

1. NEATLY ARRANGE CABLE IN TRAYS.
2. PROVIDE SLACK LOOPS AS INDICATED IN SPECIFICATIONS.

8 T602 TYPICAL TELECOMMUNICATIONS ROOM CABLE ROUTING
NO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

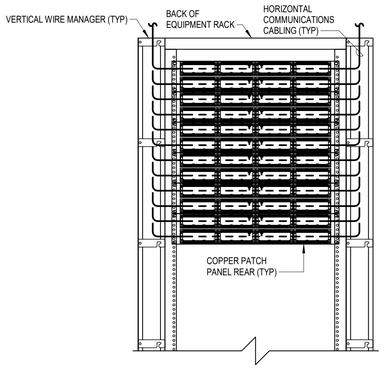
TECHNOLOGY DETAILS
T602

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

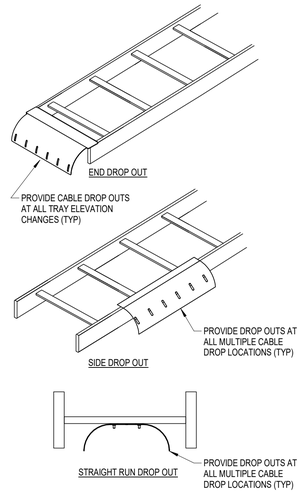
4/21/2026 10:35:36 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



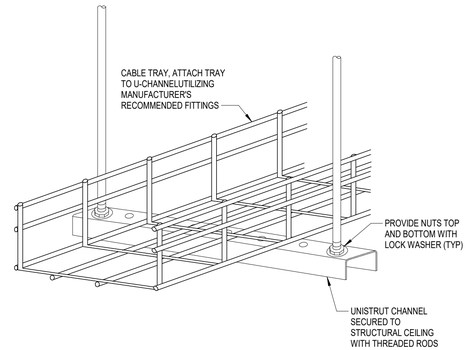
GENERAL NOTES:

1. ROUTE CABLES IN A NEAT AND ORDERLY FASHION. DRESS WITH A MINIMUM OF (1) HOOK-AND-LOOP CABLE STRAP PER (6) PORTS.
2. UTILIZE BOTH SIDES OF EQUIPMENT RACK FOR CABLE ROUTING.
3. BUNDLE CABLES VERTICALLY AT WIRE MANAGERS EVERY 12" MINIMUM.
4. LASH CABLES TO VERTICAL WIRE MANAGERS.
5. REFER TO RACK ELEVATIONS FOR PATCH PANEL QUANTITIES.

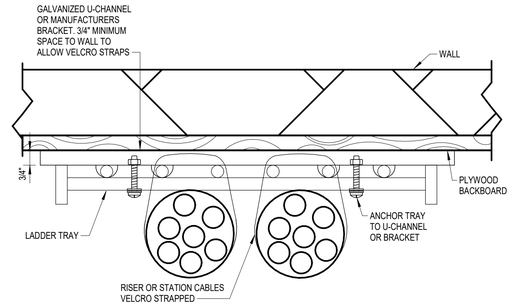
1 T603 RACK PATCH PANEL CABLE ROUTING
NO SCALE



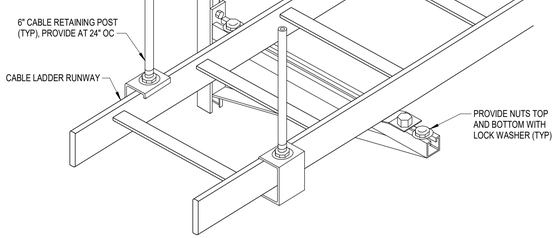
2 T603 LADDER TRAY CABLE DROPOUT
NO SCALE



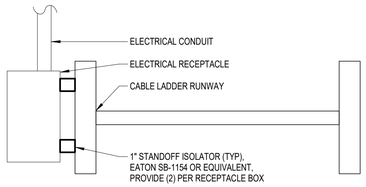
3 T603 CABLE TRAY TRAPEZE-HUNG
NO SCALE



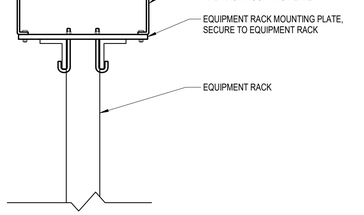
4 T603 CABLE LADDER TRAY VERTICAL WALL MOUNTING
NO SCALE



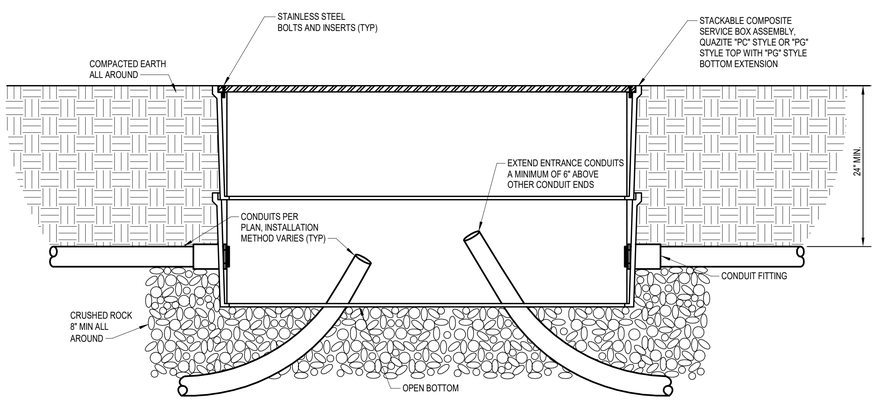
5 T603 CABLE LADDER RUNWAY WALL-HUNG
NO SCALE



6 T603 CABLE LADDER RUNWAY ELECTRICAL BOX SUPPORT
NO SCALE



7 T603 EQUIPMENT RACK TO CABLE LADDER RUNWAY SUPPORT
NO SCALE



8 T603 COMMUNICATIONS PULL BOX IN PAVED AREAS
NO SCALE

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

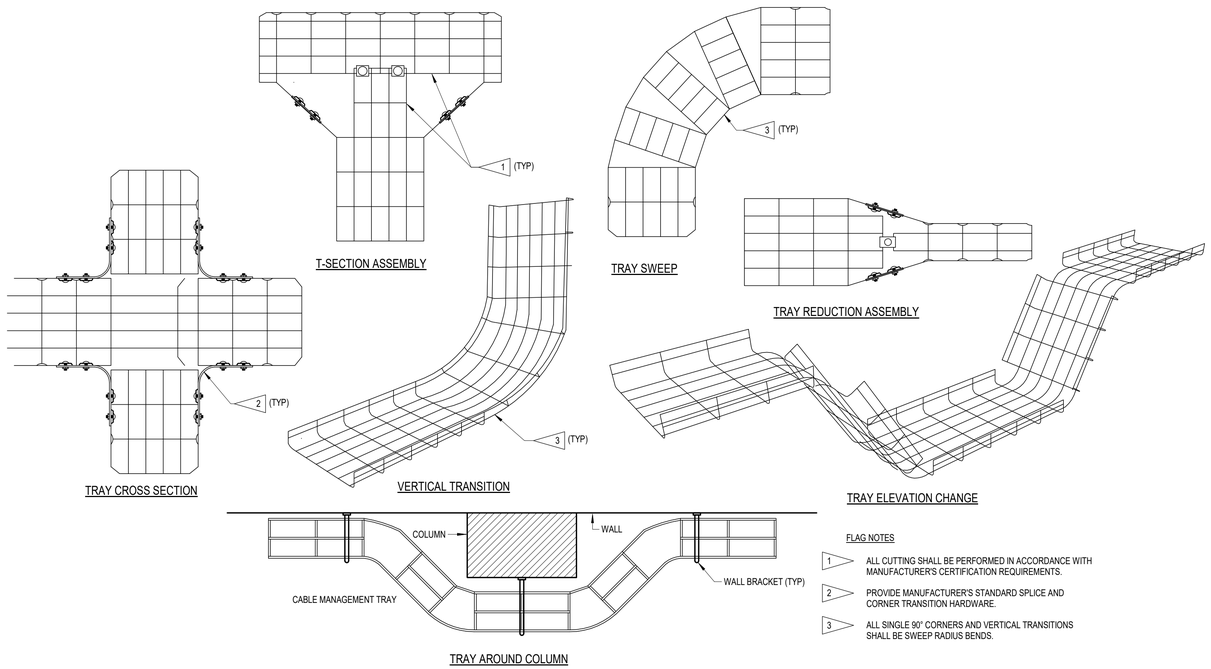
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

PROJECT NUMBER
25079

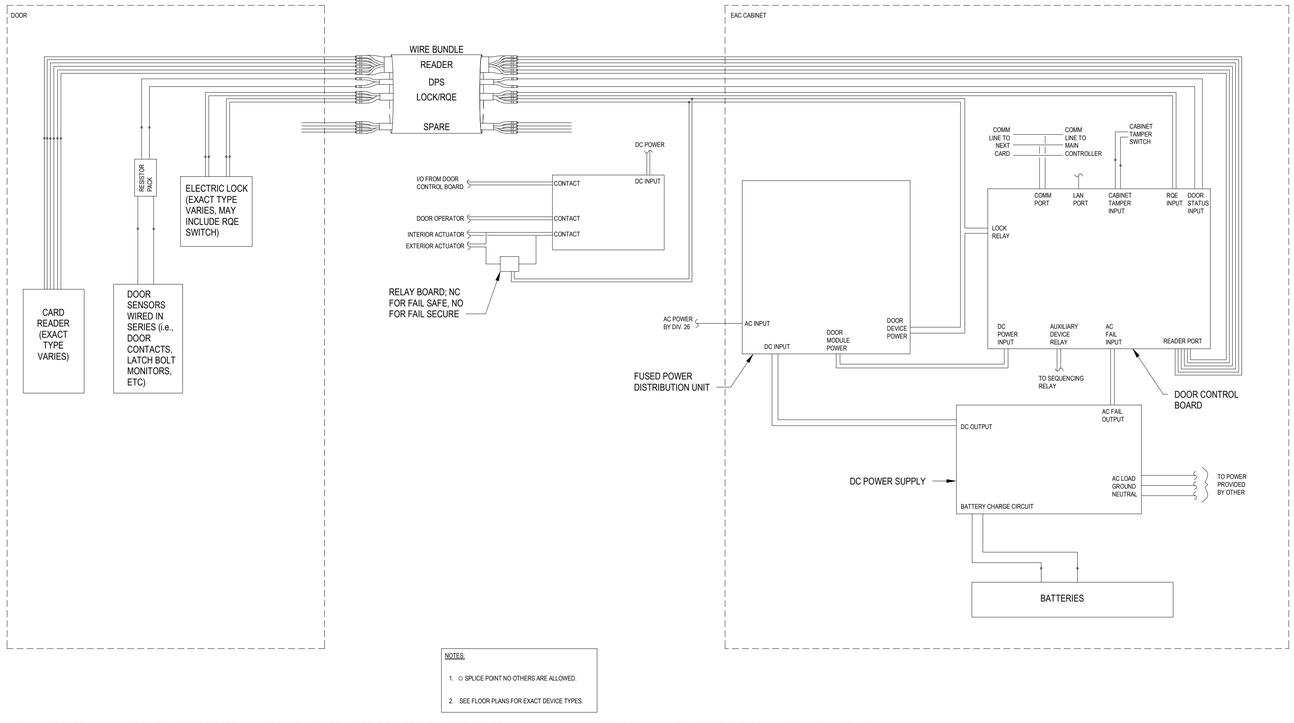
TECHNOLOGY DETAILS

T603

4/21/2026 10:35:43 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



1 T604 DIRECTIONAL CABLE TRAY
NO SCALE



NOTES:
1. ○ SPLICE POINT NO OTHERS ARE ALLOWED.
2. SEE FLOOR PLANS FOR EXACT DEVICE TYPES.

2 T604 TYPICAL ELECTRONIC ACCESS CONTROL INTERCONNECT SCHEMATIC
NO SCALE

4/21/2026 10:35:44 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
IOWA
Samuels Group
SNYDER & ASSOCIATES
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

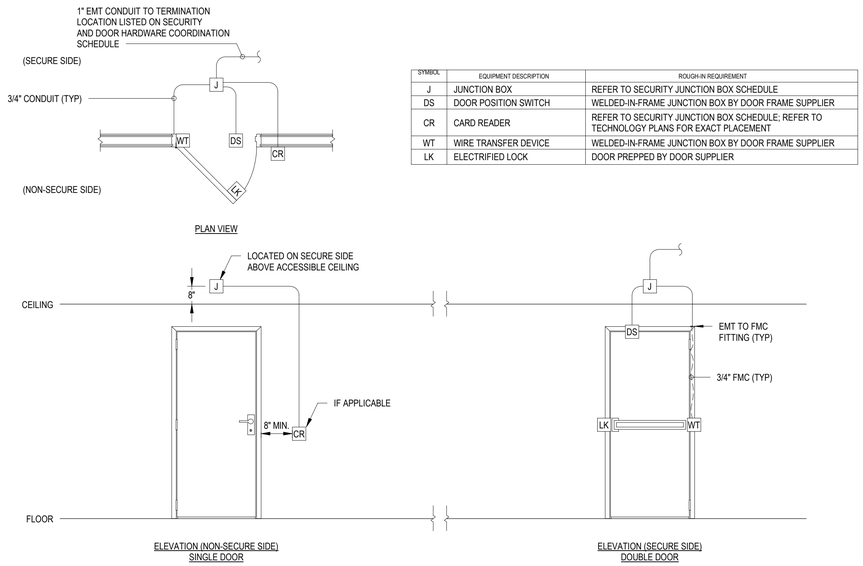
© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:
DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

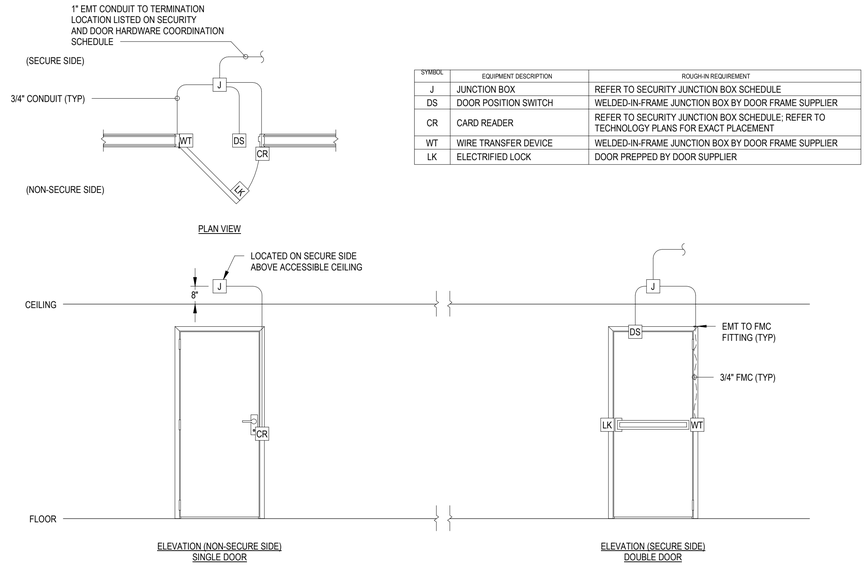
PROJECT NUMBER
25079

TECHNOLOGY DETAILS
T604



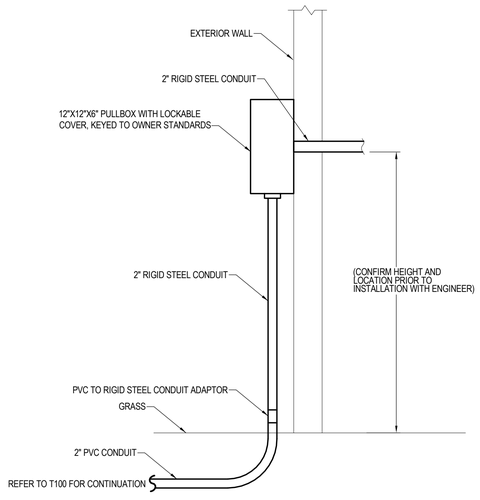
SYMBOL	EQUIPMENT DESCRIPTION	ROUGH-IN REQUIREMENT
J	JUNCTION BOX	REFER TO SECURITY JUNCTION BOX SCHEDULE
DS	DOOR POSITION SWITCH	WELDED-IN-FRAME JUNCTION BOX BY DOOR FRAME SUPPLIER
CR	CARD READER	REFER TO SECURITY JUNCTION BOX SCHEDULE; REFER TO TECHNOLOGY PLANS FOR EXACT PLACEMENT
WT	WIRE TRANSFER DEVICE	WELDED-IN-FRAME JUNCTION BOX BY DOOR FRAME SUPPLIER
LK	ELECTRIFIED LOCK	DOOR PREPPED BY DOOR SUPPLIER

1 T605 SINGLE HOLLOW-METAL DOOR - J, DS, CR, WT, LK
NO SCALE



SYMBOL	EQUIPMENT DESCRIPTION	ROUGH-IN REQUIREMENT
J	JUNCTION BOX	REFER TO SECURITY JUNCTION BOX SCHEDULE
DS	DOOR POSITION SWITCH	WELDED-IN-FRAME JUNCTION BOX BY DOOR FRAME SUPPLIER
CR	CARD READER	REFER TO SECURITY JUNCTION BOX SCHEDULE; REFER TO TECHNOLOGY PLANS FOR EXACT PLACEMENT
WT	WIRE TRANSFER DEVICE	WELDED-IN-FRAME JUNCTION BOX BY DOOR FRAME SUPPLIER
LK	ELECTRIFIED LOCK	DOOR PREPPED BY DOOR SUPPLIER

2 T605 SINGLE HOLLOW-METAL DOOR - J, DS, CR(M), WT, LK
NO SCALE



3 T605 TELECOMMUNICATION ENTRANCE CONDUIT
NO SCALE

© COPYRIGHT 2026 20252149
Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | IOWA | Samuels Group | SNYDER & ASSOCIATES | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

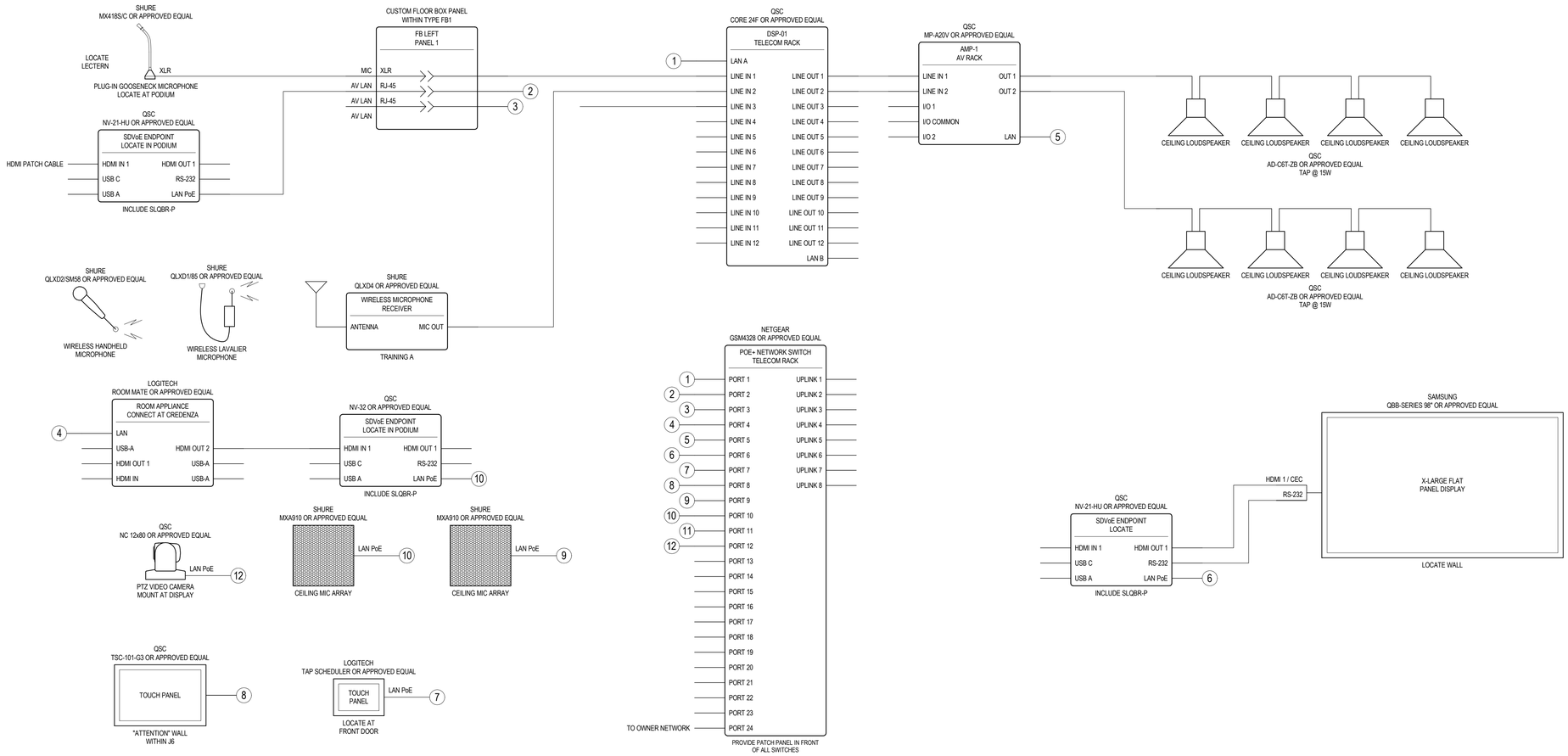
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

TECHNOLOGY DETAILS

T605

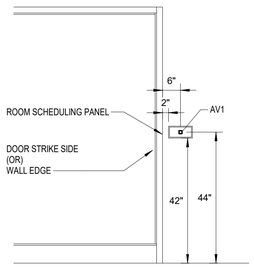
4/21/2026 10:35:45 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt



TRAINING ROOM 229

1 T700 AUDIOVISUAL SCHEMATIC - TRAINING ROOM

NO SCALE



2 T700 ROOM SCHEDULING PANEL TYPICAL

1/2" = 1'-0"

4/21/2026 10:35:46 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
Iowa Department of Administrative Services
kpff
SNYDER & ASSOCIATES
IOWA
Samuels Group
Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

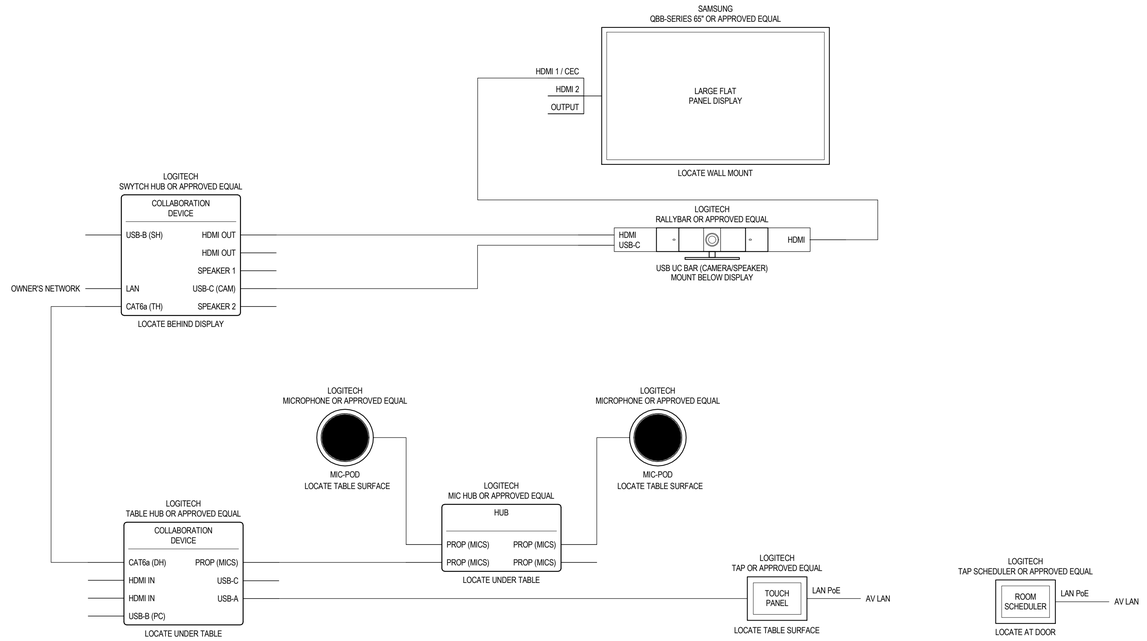
Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

AUDIOVISUAL SCHEMATICS, RACK ELEVATIONS, PLATES AND PANELS

T700



CONFERENCE ROOM 132

1 T701 — AUDIOVISUAL SCHEMATIC - CONFERENCE ROOM

NO SCALE

4/21/2026 10:35:47 AM
Autodesk Docs://25079_Iowa DAS - DOC 4JD CBC New Central Office Building/20252149_MEPT_v25.rvt

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

Iowa Department of Administrative Services | kpff | SNYDER & ASSOCIATES | IOWA | Samuels Group | Alvine

IOWA DAS - DOC DJD CBC NEW CENTRAL OFFICE BUILDING

818 S. 10TH STREET
COUNCIL BLUFFS, IOWA 51501

ISSUANCE

100% CONSTRUCTION DOCUMENTS
04/21/2026

REVISIONS

© COPYRIGHT 2026 20252149

Permission to reproduce all or part of this drawing is hereby granted solely for the limited purpose of construction of this project or archiving. Unauthorized copying, disclosure or construction use without written permission of Alvine is prohibited by copyright law.

NOTE:

DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. Lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

Alvine
400 E. Court Avenue, Ste. 130
Des Moines, IA 50309 515.243.0569

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
©

PROJECT NUMBER
25079

AUDIOVISUAL SCHEMATICS, RACK ELEVATIONS, PLATES AND PANELS

T701