100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION

-- FOR CONSTRUCTION --

GSA

ANDERSON HALLAS
ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION

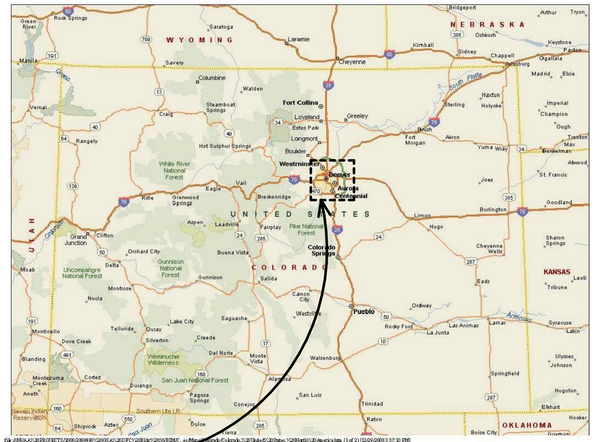
GENERAL SERVICES ADMINISTRATION ~ DENVER FEDERAL CENTER ~ BUILDING 56

8/8/2019 12:01:07 PM

100% CD ISSUE JULY 25, 2019

7/25/2019 **G 0 01**

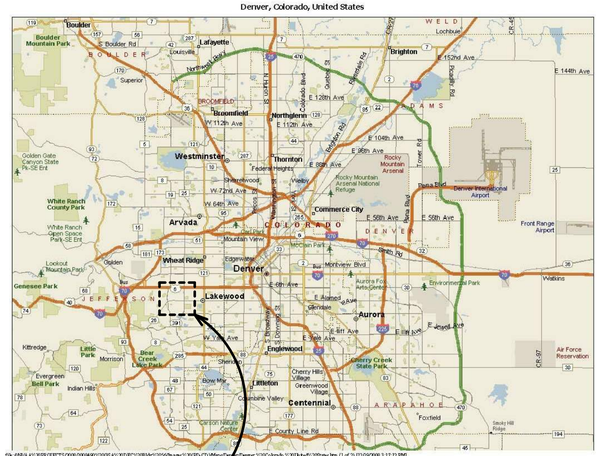
SHEET 1 OF 50



CITY LOCATION MAP

STATE VICINITY MAP

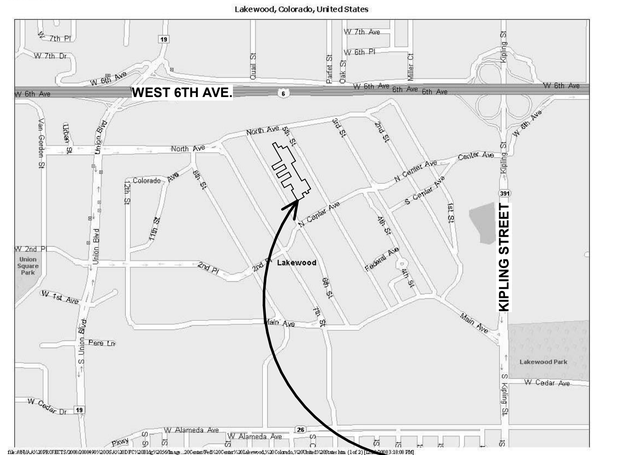
NTS



PROJECT AREA:
DENVER FEDERAL CENTER

CITY LOCATION MAP

NTS



PROJECT AREA:
DENVER FEDERAL CENTER
BUILDING 56
6TH STEET
DENVER, COLORADO 80215

PROJECT AREA STREET MAP

NTS

ALTERNATES:
1. ACOUSTIC WALL PANELS PER SHEET A 9 01.

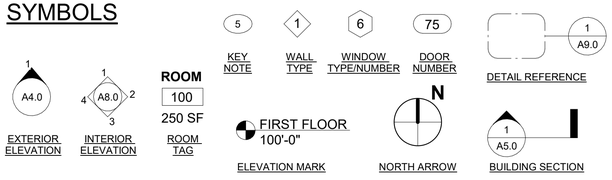
ABBREVIATIONS

#	POUND(S) or NUMBER	EXT	EXTERIOR	OD	OUTSIDE DIAMETER
&	AND	FACP	FIRE ALARM CONTROL PANEL	OH	OPPOSITE HAND
<	ANGLE	FD	FLOOR DRAIN	OPNG	OPENING
@	AT	FE	FIRE EXTINGUISHER	OPP	OPPOSITE
A/V	AUDIO VISUAL	FEC	FIRE EXTINGUISHER CABINET	OSB	ORIENTED STRAND BOARD
ABV	ABOVE	FIN	FINISH(ED)	PLAM	PLASTIC LAMINATE
ACM	ASBESTOS CONTAINING MATERIAL	FIXT	FIXTURE	PLAS	PLASTER
ACT	ACCOUSTICAL CEILING TILE	FLR	FLOOR(ING)	PLUMB	PLUMBING
ADA	AMERICANS WITH DISABILITIES ACT	FO	FACE OF	PT	PAINT
ADD	ADDENDUM	FP	FIRE PROTECTION	PTD	PAINTED
ADJ	ADJACENT or ADJUSTABLE	FRP	FIBERGLASS REINFORCED PANEL(ING)	PWD	PLYWOOD
AFF	ABOVE FINISHED FLOOR	FT	FEET	QT	QUARRY TILE
AHU	AIR HANDLING UNIT	FTG	FOOTING	RAD	RADIUS
AL	ALUMINUM	FURR	FURRING	RB	RUBBER BASE
ALT	ALTERNATE	GA	GAUGE OR GYPSUM ASSOCIATION	RCP	REFLECTED CEILING PLAN
APPROX	APPROXIMATE(LY)	GALV	GLAVANIZED	RD	ROOF DRAIN
ARCH	ARCHITECTURAL	GC	GENERAL CONTRACTOR	REF	REFER TO or REFERENCE
ASPH	ASPHALT	GD	GRADE	REINF	REINFORCED
B.O.	BOTTOM OF	GL	GLASS or GLAZING	RELOC	RELOCATE(D)
BLDG	BUILDING	GND	GROUND	REQ	REQUIRED
BLKG	BLOCKING	GWB	GYPSUM WALLBOARD	REV	REVISE, REVISED or REVISION
BR	BACKER ROD	HM	HOLLOW METAL	RM	ROOM
BTWN	BETWEEN	HAZMAT	HAZARDOUS MATERIAL	RO	ROUGH OPENING
CAB	CABINET	HDR	HEADER	RS	ROUGH SAWN
CJ	CONTROL JOINT	HDW	HARDWARE	(S)	SEALANT
CL	CENTERLINE	HORIZ	HORIZONTAL	S	SOUTH
CLG	CEILING	HT	HEIGHT	SCHED	SCHEDULE
CLR	CLEAR	HVAC	HEATING, VENTILATION and AIR CONDITIONING	SF	SQUARE FEET
CMU	CONCRETE MASONRY UNIT			SHTG	SHEATHING
COL	COLUMN	IBC	INTERNATIONAL BUILDING CODE	SIM	SIMILAR
CONC	CONCRETE	ID	INSIDE DIAMETER	SL	SHEET LINOLEUM
CONST	CONSTRUCTION	INFO	INFORMATION	SOG	SLAB ON GRADE
CONT	CONTINUOUS	INS	INSULATION or INSULATED	SPEC	SPECIFICATION(S)
CORR	CORRIDOR	INT	INTERIOR	SQ	SQUARE
CPT	CARPET	JT	JOINT	SS	STAINLESS STEEL
CT	CERAMIC TILE	LAV	LAVATORY	STD	STANDARD
CTBB	CEMENTITIOUS TILE BACKER BOARD	LIN	LINOLEUM	STL	STEEL
CTR	CENTER	MATL	MATERIAL	STN	STAIN
DBL	DOUBLE	MAX	MAXIMUM	STRUC	STRUCTURE or STRUCTURAL
DEMO	DEMOLITION	MECH	MECHANICAL	(T)	TEMPERED
DET	DETAIL	MEP	MECHANICAL, ELECTRICAL and PLUMBING	T&G	TONGUE AND GROOVE
DF	DRINKING FOUNTAIN			T.O.	TOP OF
DIAM	DIAMETER	MFG	MANUFACTURING	TD	THRESHOLD
DIM	DIMENSION	MFR	MANUFACTURER	TYP	TYPICAL
DN	DOWN	MIN	MINIMUM	UON	UNLESS OTHERWISE NOTED
DS	DOWNSPOUT	MISC	MISCELLANEOUS	VB	VAPOR BARRIER
<E>	EXISTING	MO	MASONRY OPENING	VCT	VINYL COMPOSITION TILE
E	EAST	MTD	MOUNTED	VERT	VERTICAL
EA	EACH	MTL	METAL	VIF	VERIFY IN FIELD
EG	FOR EXAMPLE	<N>	NEW	VIN	VINYL
ELEC	ELECTRICAL	N	NORTH	VTR	VENT THROUGH ROOF
ELEV	ELEVATION	NA	NOT APPLICABLE	W	WEST
EMER	EMERGENCY	NIC	NOT IN CONTRACT	W/	WITH
ENGR	ENGINEER	NO.	NUMBER	W/O	WITHOUT
EQ	EQUAL	NOM	NOMINAL	WD	WOOD
EQP	EQUIPMENT	NTS	NOT TO SCALE	WIN	WINDOW
ETR	EXISTING TO REMAIN	OC	ON CENTER		

GENERAL NOTES

1. DO NOT SCALE DRAWINGS
2. ALL WORK TO BE PERFORMED TO APPLICABLE BUILDING CODES.
3. ALL DIMENSIONS ARE TO FACE OF STRUCTURE UNLESS OTHERWISE NOTED. ALL DIMENSIONS INDICATING REQUIRED CLEARANCES ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIM OR HERSELF WITH THE CONTRACT DOCUMENTS, VERIFYING FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY GOVERNMENT & ARCHITECT IN WRITING OF ANY DISCREPANCY WITHIN THE CONTRACT DOCUMENTS AND REQUEST CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION.
5. SHOULD THERE BE ANY QUESTIONS CONCERNING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE GOVERNMENT & ARCHITECT PRIOR TO PROCEEDING WITH THE WORK, OR RELATED WORK IN QUESTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE PROJECT SCOPE OF WORK, SCHEDULE, AND DEADLINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADVISING THE GOVERNMENT & ARCHITECT OF ALL ITEMS REQUIRING A LONG LEAD TIME UPON NOTICE TO PROCEED THAT WILL AFFECT THE SCHEDULE, AND SHALL SUBMIT ORDER CONFIRMATIONS AND DELIVERY DATES FOR THE ITEMS IN QUESTION TO THE GOVERNMENT.
7. INSTALL ALL MANUFACTURED ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, EXCEPT WHERE THE CONTRACT DOCUMENTS ARE MORE STRINGENT. ANY MISCELLANEOUS ITEMS OR MATERIALS NOT SPECIFICALLY NOTED, BUT REQUIRED FOR PROPER INSTALLATION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL FURNISH TO THE GOVERNMENT ALL WARRANTIES AND GUARANTEES REQUIRED AT THE CONCLUSION OF THE PROJECT.
8. ALL CONTRACTOR OR SUPPLIER REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS SHALL BE SUBMITTED IN WRITING TO THE GOVERNMENT & ARCHITECT WITHIN 14 DAYS OF NOTICE TO PROCEED, AND BE ACCOMPANIED WITH THE ALTERNATIVE PRODUCT INFORMATION. SUBSTITUTIONS WILL BE CONSIDERED ONLY IF IT DOES NOT SACRIFICE QUALITY, APPEARANCE, DELIVERY TIME, OR FUNCTION.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HOOK UPS / UTILITY CONNECTIONS, ETC. TO TEMPORARY TRAILERS.

SYMBOLS



PROJECT TEAM

Owner
General Services Administration, Region 8
DFC Building 41
Denver, CO 80225
303.236.0855
Ben Reko, Project Manager
720.412.2812 c
benjamin.reko@gsa.gov

Architect
Anderson Hallas Architects, PC
715 14th St.
Golden, CO 80401
P: 303-278-4378
F: 303-278-0521
Principal in Charge: Dave Anderson
Project Manager: Rebecca Silva
email: rebeccasilva@andarch.com

Cost Estimator
Parametrix, Inc.
J. R. Anzer, Cost Estimator
7186 South Highland Drive
Salt Lake City, Utah 84121
Phone: 801-733-5900
Fax: 801-733-5500

Protection Fire Engineer
Veritas Fire Engineer
12364 W. Alameda Pkwy
Suite 135
Lakewood, CO 80228
Phone: 303.985.3300
Toll-Free: 1.866.985.2050
Fax: 303.985.5594
Kerry Madigan
Kerry@veritasfire.com
Bryan Echelberger
Bryan@veritasfire.com

Mechanical / Plumbing Engineer
360 Engineering
1600 Jackson Street, Suite 360
Golden, CO 80401
303.940.2050
Denise Dehle
ddihle@360eng.com
Travis Menard
720.619.1545 c
tmenard@360eng.com

Electrical Engineer
AE Design
1900 Wazee Street #350
Denver, CO 80202
720.266.4755
Jon Brooks
jbrooks@aedesign-inc.com
Patrick Durham
303.444.1951 c
pdurham@aedesign-inc.com

INDEX

DISIPLINE INDEX

G	GENERAL
LS	LIFE SAFETY
I	INTERIORS
A	ARCHITECTURAL
S	STRUCTURAL
M	MECHANICAL/HVAC
E	ELECTRICAL
EP	ELECTRICAL - POWER
EL	ELECTRICAL - LIGHTING
P	PLUMBING
FA	FIRE ALARM
FS	FIRE SAFETY
TC	TELECOMMUNCATIONS
TA	AUDIO VISUAL
TE	AUDIO VISUAL -
SEC	INFRASTRUCTURE SECURTY

CONTEXT INDEX

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

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GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
davеanderson@andarch.com

CERTIFICATION

STATE OF COLORADO
DAVID C. ANDERSON
202496
8.9.19
LICENSED ARCHITECT

KEY PLAN

MARK	DATE	DESCRIPTION

REVISION NOTES

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	INDEX & GENERAL INFORMATION
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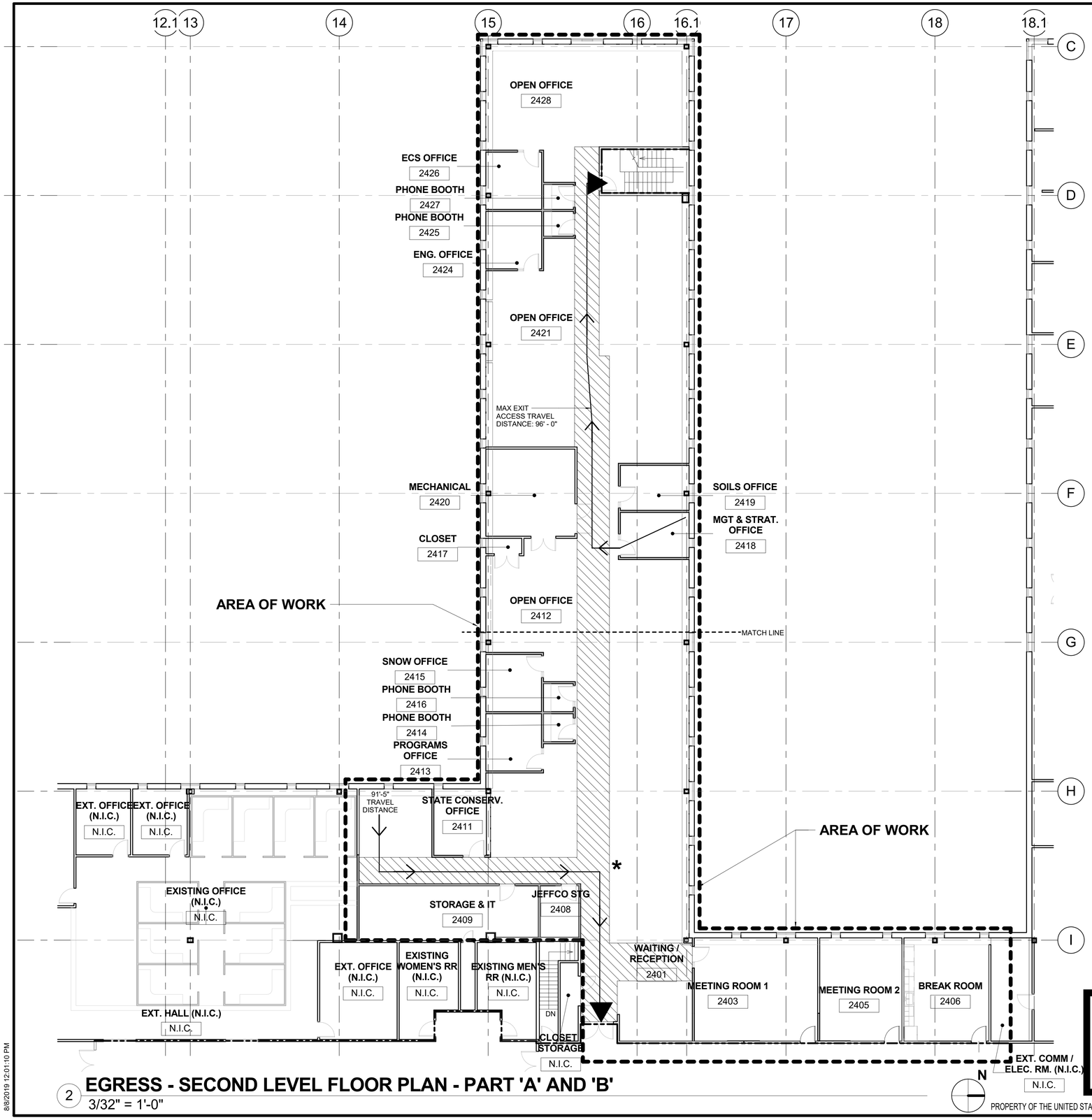
CHECKED BY	DCA/ RS SHEET SIZE: 22X34
DRAWING NO.	G 0 02
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 2 OF 50



2 EGRESS - SECOND LEVEL FLOOR PLAN - PART 'A' AND 'B'

3/32" = 1'-0"

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BUILDING CODE ANALYSIS

Code analysis is based on the 2015 International Building Code, and the 2015 International Existing Building Code. Refer to Mechanical, Plumbing, Electrical & Fire Protection sheets for additional information.

Date: 02.15.2019
Analysis By: RAS
Project Number: 2017360
Project Name: NRCS Consolidation
Address: Building 56 6th Street
Denver, CO 80255

==========

SCOPE OF WORK:
This project is a tenant finish to a small portion of the 2nd floor of Building 56, located in the Federal Center. The scope includes minor wall reconfiguration, new interior finishes, a new break room, and minor reconfiguration of mechanical, electrical and fire protection systems. No work to the building envelope is included.

PROJECT OCCUPANCY: B

CONSTRUCTION TYPE:
Type IIB, with a fully automatic NFPA 13 sprinkler system

PROJECT AREA: 9750sf

OCCUPANT LOAD:
Business(100sf/person): 8265sf = 83
Mechanical/ Support (300sf/person): 810sf = 3
Total Occupant Load: 86

BUILDING HEIGHT AND NUMBER OF STORIES: Unchanged

BUILDING AREA: Unchanged

FIRE PROTECTION:
Existing fire sprinkler system to be upgraded to comply with Section 903.

Portable fire extinguishers required per section 906, and located per GSA P100 in mechanical, electrical, IT and Break Rooms. Contractor to verify existing extinguishers are present, code compliant, and in working order. If not, replace.

Existing fire alarm system to be upgraded to comply with Section 907.

EGRESS:
Egress width: 32" + 64" provided. Required width = 32" min.

Two exits provided. - Required # = 2

Exit Access Travel Distance: 96' max. provided. 300' max. required.

Common Path of Egress Travel Distance: 58' max. provided. 100' max. provided.

PLUMBING FIXTURE COUNT: unchanged

FIRE SAFETY/EGRESS LEGEND

- EGRESS DOOR W/ EXIT SIGNAGE
- EGRESS PATH
- AREA OF WORK
- ASSUMED (E) 2HR RATED PARTITION
- DIRECTION OF EGRESS TRAVEL
- FEC - FIRE EXTINGUISHER CABINET
- EXIT SIGNAGE
- EMERGENCY LIGHT

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
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CERTIFICATION

STATE OF COLORADO
DAVID C. ANDERSON
202496
8.9.19
LICENSED ARCHITECT

KEY PLAN

AREA OF WORK
~ PARTS 'A' & 'B'

2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
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PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

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SUBMISSION	100 CD ISSUE
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DRAWING

DRAWING TITLE	CODE AND EGRESS INFORMATION
FILE NAME	
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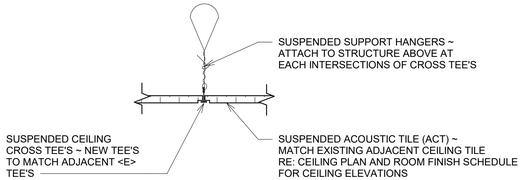
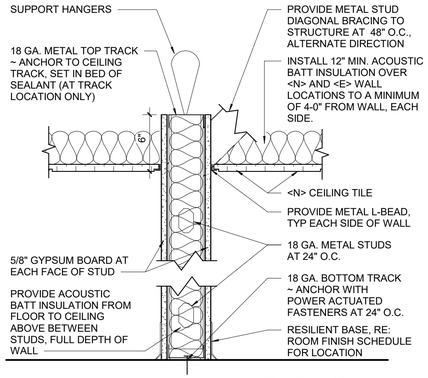
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	G 0 03
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 3 OF 50



2 CEILING TYPE C1 - Typical ACT Ceiling

1 1/2" = 1'-0"



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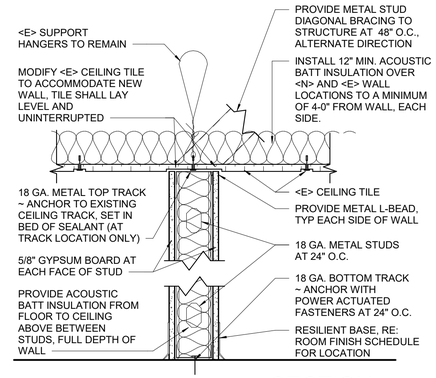

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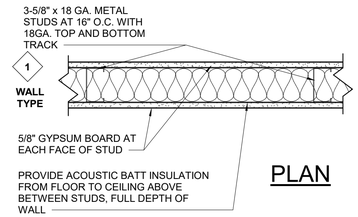
UN-RATED

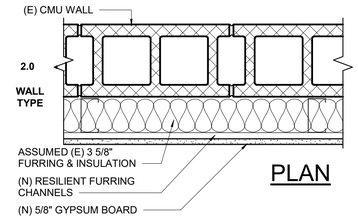


PLAN

UN-RATED

1.1 WALL TYPE = SAME AS WALL TYPE **WT1**, WALL CONSTRUCTED WITH **6" 18GA. METAL STUDS** AT 16" O.C. WITH TOP AND BOTTOM TRACKS

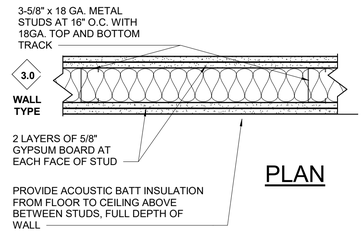
UN-RATED



PLAN

2 HR FIRE RATED
UL UL404B

NOTE: CONTRACTOR TO VERIFY (E) WALL ASSEMBLY IN FIELD. NOTIFY ARCHITECT IF DIFFERENT THAN DRAWN.



PLAN

UN-RATED

3.1 WALL TYPE = SAME AS WALL TYPE **WT1**, WALL ~ NO ACOUSTIC BATT INSULATION

1 WALL TYPES

1 1/2" = 1'-0"

100% CONSTRUCTION DOCUMENTS

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8/8/2019 12:01:11 PM

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GOLDEN, COLORADO 80401
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CERTIFICATION

STATE OF COLORADO * DAVID C. ANDERSON * 202496 8.9.19 * LICENSED ARCHITECT *

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
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SUB A/E	
CONSTR. CON.	

BUILDING

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BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

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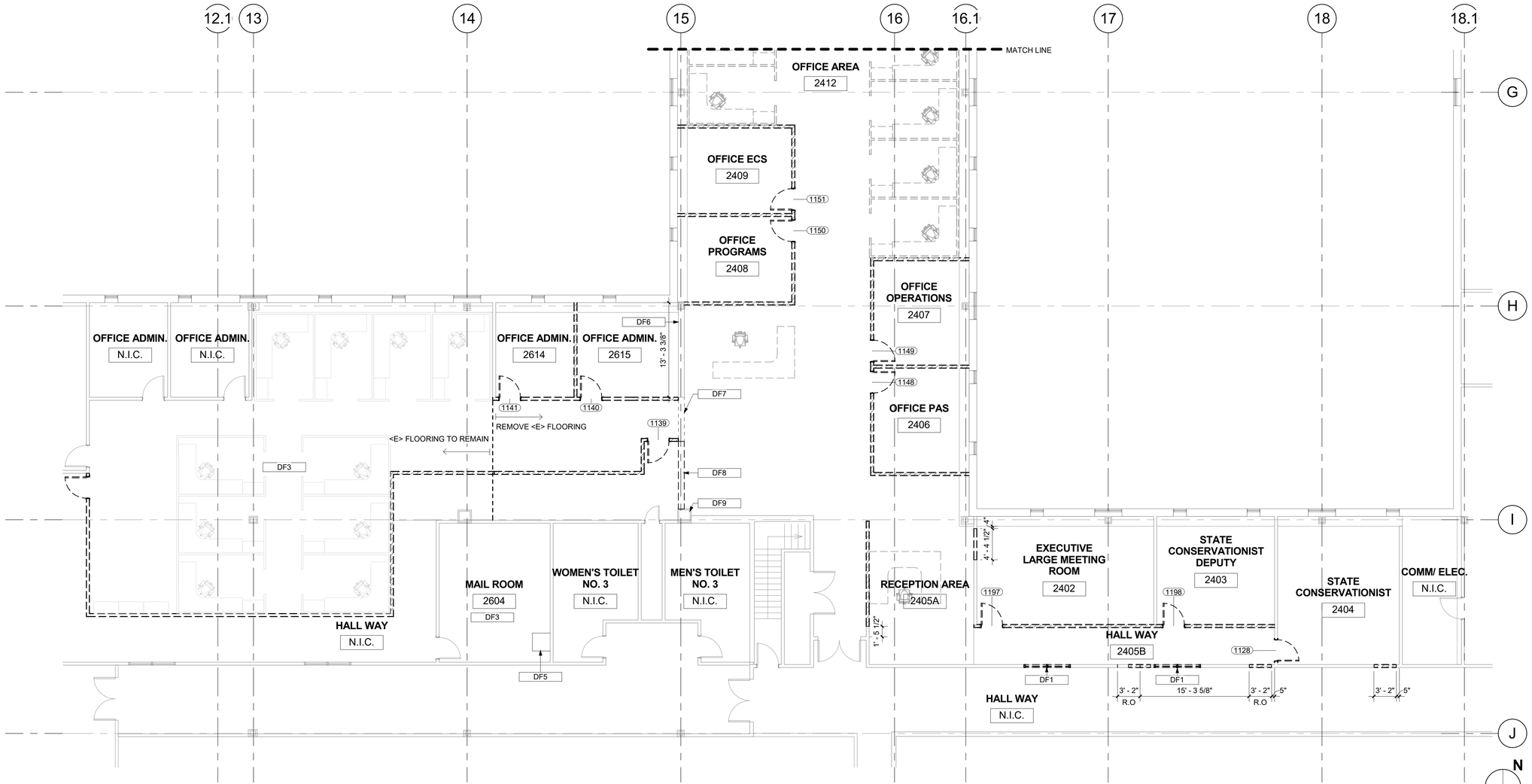
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	WALL TYPES CEILING TYPES
FILE NAME	
FLOOR NO.	
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	G 0 04
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 4 OF 50



1 DEMO - SECOND LEVEL FLOOR PLAN - PART 'A'

1/8" = 1'-0"

0 8" 16"

DEMO KEYNOTES

Key Value	Keynote Text
DF1	REMOVE <E> INTERIOR WINDOW
DF3	<E> FINISHES TO REMAIN
DF5	COORDINATE RELOCATION OF IT EQUIPMENT WITH NRCS IT STAFF, RE: ELEC.
DF6	REMOVE (E) GWB. THIS SIDE
DF7	REMOVE (E) PORTION OF (E) MASONRY WALL (E) BEAM TO REMAIN
DF8	(E) SOFFIT TO REMAIN
DF9	(E) COLUMN TO REMAIN

DEMO LEGEND

- WALL TO BE REMOVED IN ITS ENTIRETY
- DOOR TO BE REMOVED AND SALVAGED FOR REINSTALLATION
- XX — KEYNOTE TAG
- XX — DOOR TAG - DOOR TO BE SALVAGED FOR REUSE
- MATCH LINE

GENERAL AND SALVAGE NOTES:

1. CAREFULLY REMOVE ALL <E> INTERIOR DOOR LEAVES FOR REINSTALLATION (13 TOTAL DOORS).
2. COORDINATE REMOVAL AND REINSTALLATION OF MISC WALL MOUNTED ITEMS WITH OWNER
3. CONTRACTOR TO COORDINATE REMOVAL/REUSE OF (E) CUBICLES, FURNITURE, & CASEWORK WITH NRCS & GSA
4. REMOVE ALL FLOORING WITHIN AREA. SALVAGE <E> CARPET TO PATCH WHERE WALL REMOVED AT ADJACENT SPACE TO SOUTH.
5. CAREFULLY REMOVE ALL <E> WINDOW COVERINGS. PROTECT & STORE FOR REINSTALLATION IN SAME LOCATION.
6. ALL <E> EXTERIOR WINDOWS TO REMAIN, PROTECT IN PLACE.

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
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8/8/2019 12:00:40 PM

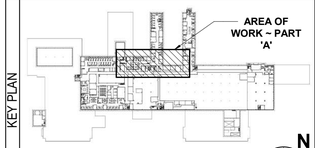
GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATION

STATE OF COLORADO
DAVID C. ANDERSON
202496
LICENSED ARCHITECT
8.9.19

KEY PLAN



2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

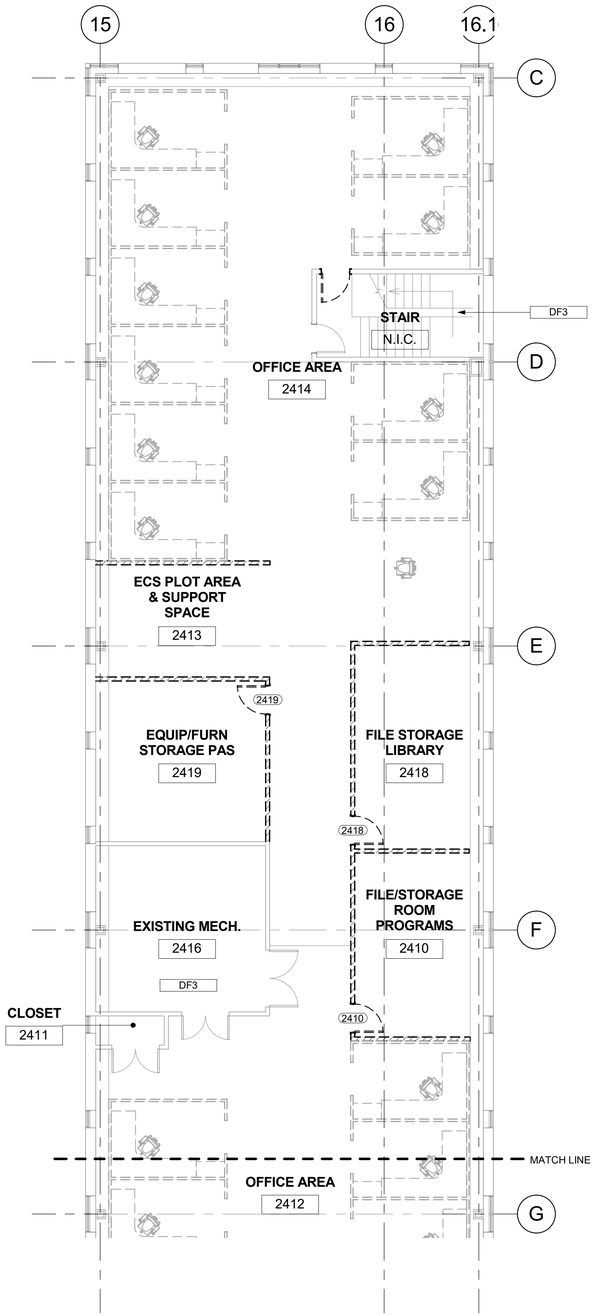
PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	ENLARGED DEMO FLOOR PLAN - PART 'A'
FILE NAME	
FLOOR NO.	2nd FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 4 01

DISCIPLINE SHEET TYPE SEQUENCE

SHEET 5 OF 50



1 **DEMO - SECOND LEVEL FLOOR PLAN - PART 'B'**

1/8" = 1'-0"

0 8' 16'

N

GENERAL AND SALVAGE NOTES:

1. CAREFULLY REMOVE ALL <E> INTERIOR DOOR LEAVES FOR REINSTALLATION (13 TOTAL DOORS).
2. COORDINATE REMOVAL AND REINSTALLATION OF MISC WALL MOUNTED ITEMS WITH OWNER
3. CONTRACTOR TO COORDINATE REMOVAL/REUSE OF (E) CUBICLES, FURNITURE, & CASEWORK WITH NRCS & GSA
4. REMOVE ALL FLOORING WITHIN AREA. SALVAGE <E> CARPET TO PATCH WHERE WALL REMOVED AT ADJACENT SPACE TO SOUTH.
5. CAREFULLY REMOVE ALL <E> WINDOW COVERINGS. PROTECT & STORE FOR REINSTALLATION IN SAME LOCATION.
6. ALL <E> EXTERIOR WINDOWS TO REMAIN, PROTECT IN PLACE.

DEMO KEYNOTES

Key Value	Keynote Text
DF3	<E> FINISHES TO REMAIN

DEMO LEGEND

- WALL TO BE REMOVED IN ITS ENTIRETY
- DOOR TO BE REMOVED AND SALVAGED FOR REINSTALLATION
- XX — KEYNOTE TAG
- XX — DOOR TAG - DOOR TO BE SALVAGED FOR REUSE
- MATCH LINE

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

8/8/2019 12:00:42 PM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
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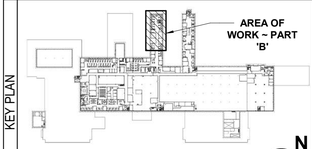
CERTIFICATION

STATE OF COLORADO
DAVID C ANDERSON
202496
8.9.19
LICENSED ARCHITECT

KEY PLAN



2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

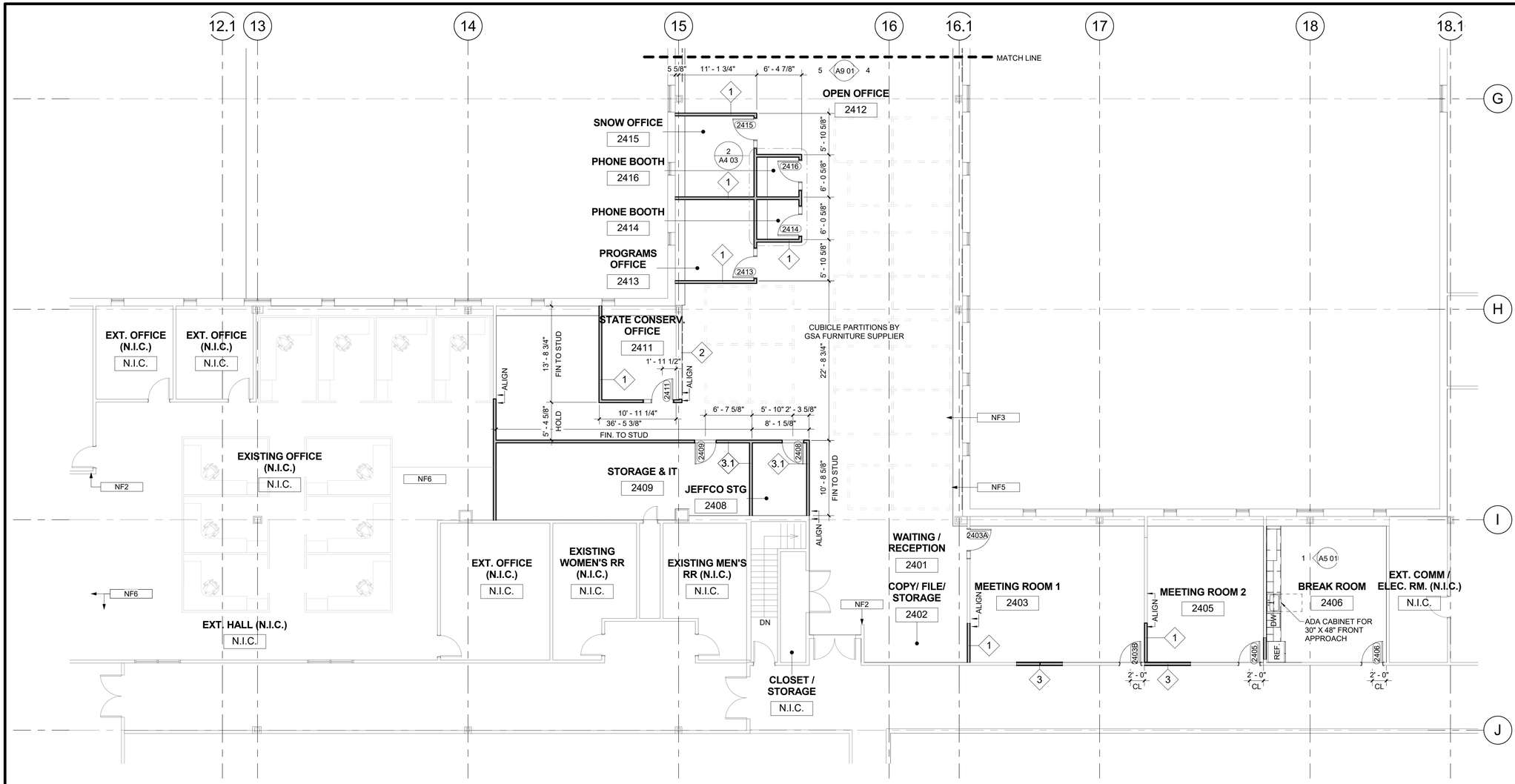
PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	ENLARGED DEMO FLOOR PLAN - PART 'B'
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 4 02

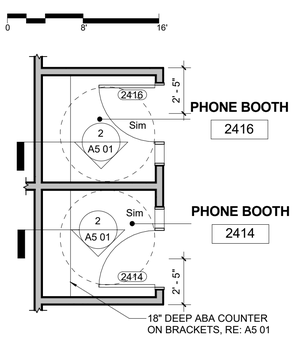
DISCIPLINE SHEET TYPE SEQUENCE

SHEET 6 OF 50



1 NEW - SECOND LEVEL FLOOR PLAN - PART 'A'

1/8" = 1'-0"



2 ENLARGED PLAN - PHONE BOOTHS

1/4" = 1'-0"

ROOMS 2425 & 2427 SIMILAR

PLAN LEGEND

- (N) WALL, RE: TAG FOR TYPE
- 2.0 — WALL TYPE TAG
- XX — KEYNOTE TAG
- XXX — DOOR TAG
- MATCH LINE

NEW KEYNOTES

Key Value	Keynote Text
NF2	PATCH END OF WALL MATCH (E) ADJACENT FINISH
NF4	INFILL (E) OPENING WHERE DOOR WAS REMOVED. MATCH (E) ADJACENT WALL ASSEMBLY; ASSUMED WALL TYPE 3.
NF6	PATCH/REPAIR EXISTING FLOORING AND CEILING TO MATCH (E) FINISH WHERE WALL IS REMOVED. USE SALVAGED CARPET FROM DEMO.

GENERAL PLAN NOTES

1. REFER TO RCP, MECH, ELEC, AND PLUMBING FOR ADDITIONAL INFORMATION
2. REINSTALL <E> WINDOW COVERINGS IN SAME LOCATION. PROTECT IN PLACE. TYP. ALL WINDOWS
3. ALL FURNISHINGS AND SYSTEMS FURNITURE BY OWNER CONSULTANT. SHOWN FOR REFERENCE ONLY.
4. COORDINATE RELOCATION OF IT EQUIPMENT W/ NRCS STAFF. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
5. DIMENSIONS TO CL OF DOORS IN (N) WALLS
6. PREP SUB FLOOR FOR <N> FLOORING

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

8/8/2019 12:00:50 PM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
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GOLDEN, COLORADO 80401
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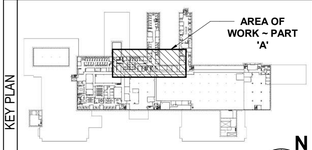
CERTIFICATION

STATE OF COLORADO
DAVID C ANDERSON
202496
8.9.19
LICENSED ARCHITECT

KEY PLAN



2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

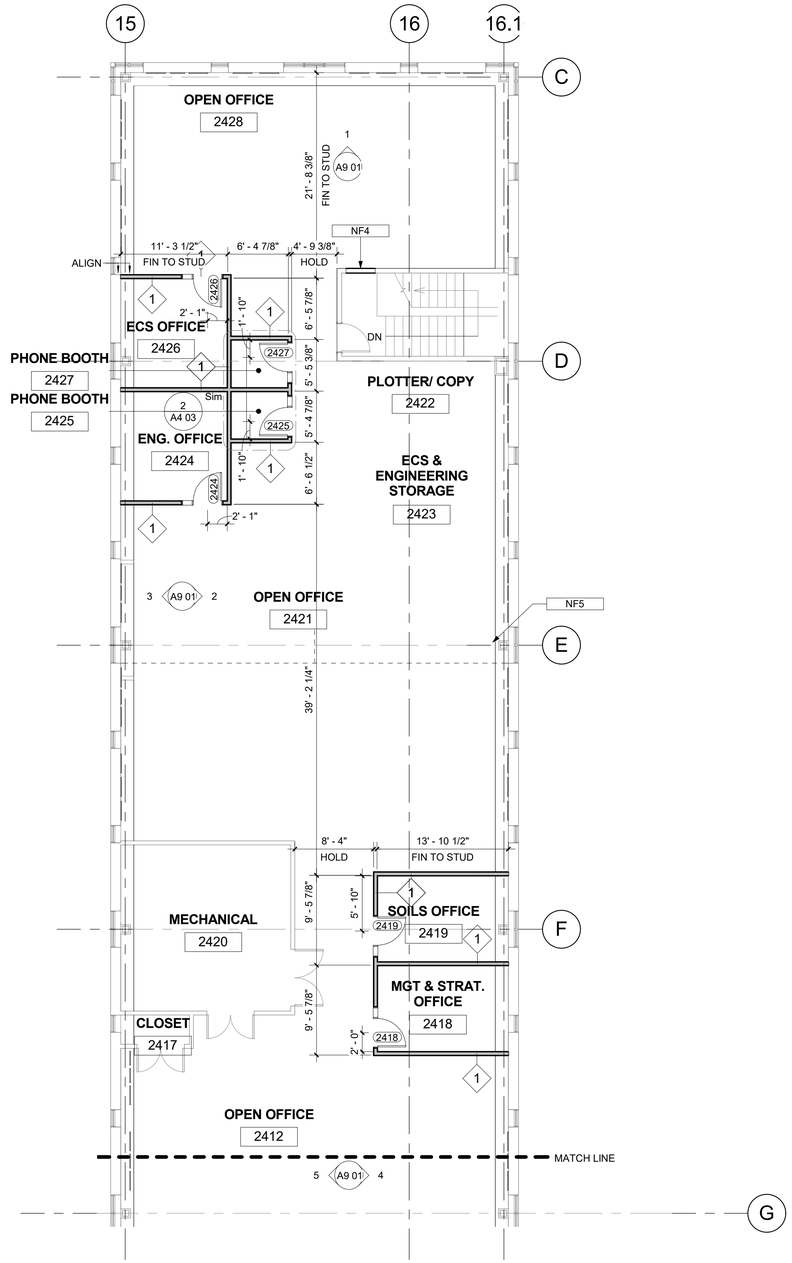
NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	ENLARGED NEW FLOOR PLAN - PART 'A'
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 4 03
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 7 OF 50



1 NEW - SECOND LEVEL FLOOR PLAN - PART 'B'

1/8" = 1'-0"

0 8' 16'

N

GENERAL PLAN NOTES

1. REFER TO RCP, MECH, ELEC, AND PLUMBING FOR ADDITIONAL INFORMATION
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5. DIMENSIONS TO CL OF DOORS IN (N) WALLS
6. PREP SUB FLOOR FOR <N> FLOORING

NEW KEYNOTES

Key Value	Keynote Text
NF2	PATCH END OF WALL MATCH (E) ADJACENT FINISH
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NF6	PATCH/REPAIR EXISTING FLOORING AND CEILING TO MATCH (E) FINISH WHERE WALL IS REMOVED. USE SALVAGED CARPET FROM DEMO.

PLAN LEGEND

- (N) WALL, RE: TAG FOR TYPE
- 2.0 — WALL TYPE TAG
- XX — KEYNOTE TAG
- XXX — DOOR TAG
- MATCH LINE

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

8/8/2019 12:00:51 PM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | **720.412.2812** Cell
benjamin.reko@gsa.gov

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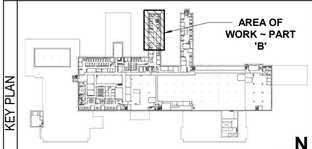
KEY PLAN



2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

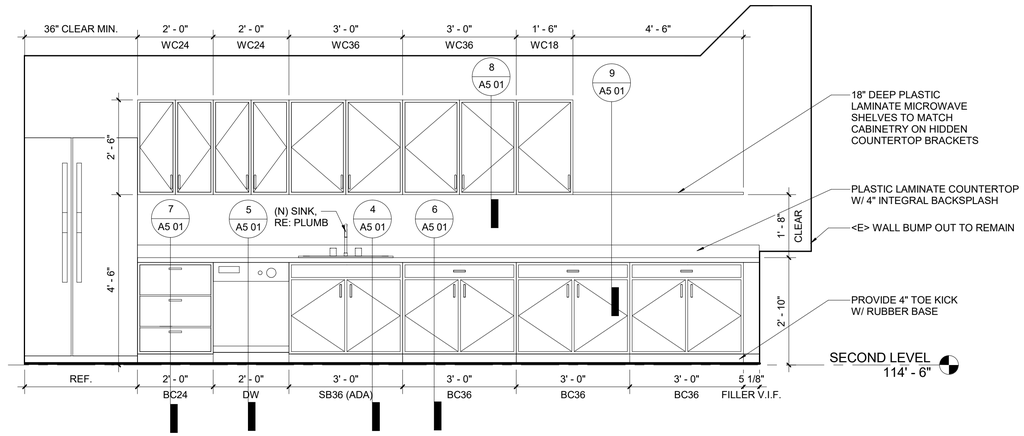
NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

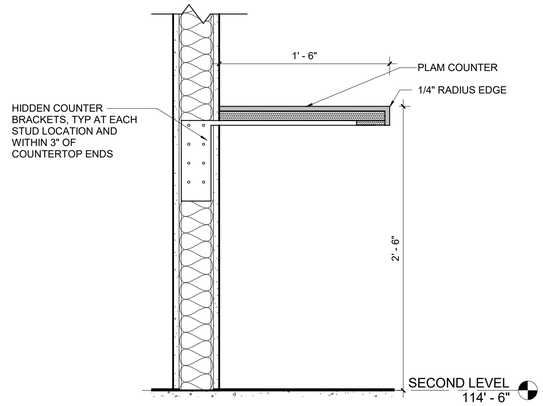
DRAWING

DRAWING TITLE	ENLARGED NEW FLOOR PLAN - PART 'B'
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 4 04 (DISCIPLINE SHEET TYPE SEQUENCE)
	SHEET 8 OF 50



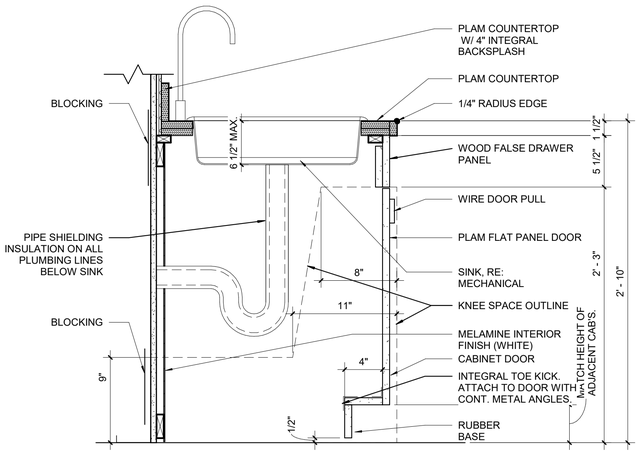
1 Break Room 2405 Elevation- South

1/2" = 1'-0"



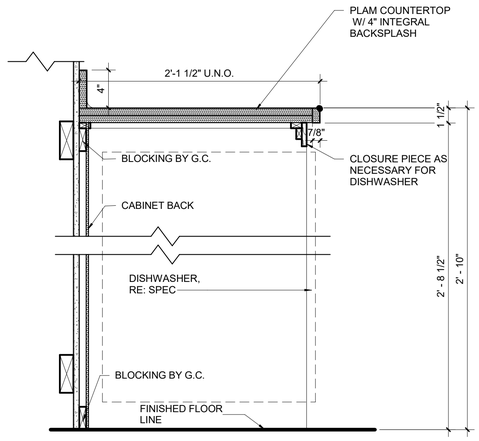
2 SECTION @ PHONE BOOTH COUNTER

1 1/2" = 1'-0"



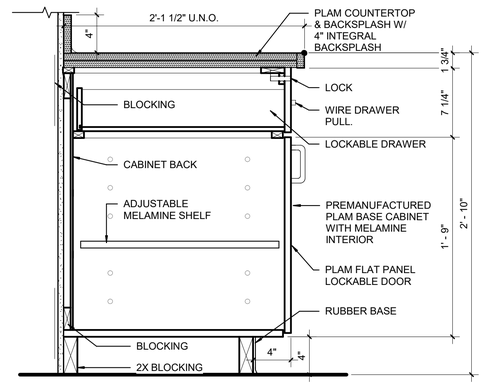
4 ADA SINK

1 1/2" = 1'-0"



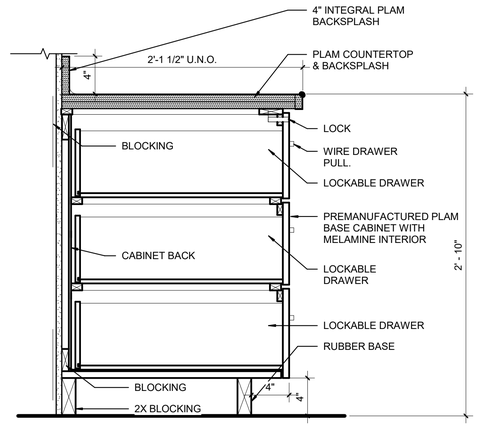
5 BASE CABINET @ DISHWASHER

1 1/2" = 1'-0"



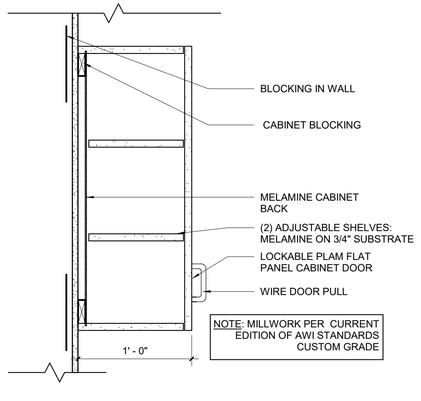
6 BASE CABINET W/ DRAWER

1 1/2" = 1'-0"



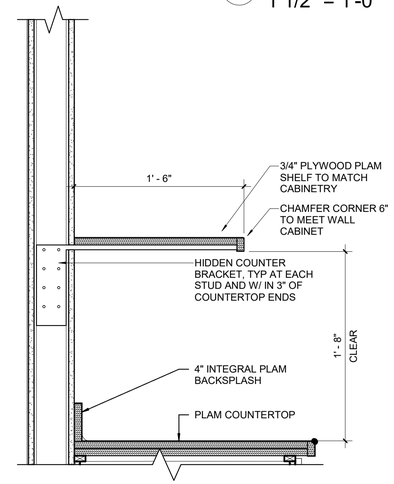
7 BASE CABINET - 3 DRAWERS

1 1/2" = 1'-0"



8 UPPER CABINET

1 1/2" = 1'-0"



9 WALL SHELVES

1 1/2" = 1'-0"

GENERAL LEGEND:

? = KEYED NOTE

CASEWORK TYPE / CASEWORK INDICATOR

= CASEWORK TYPE TAG

BC	=	BASE CABINET
SB	=	SINK BASE
TC	=	TALL CABINET
WC	=	WALL CABINET
DR	=	DRAWER
DO	=	DOOR
RF	=	REFRIGERATOR
DW	=	DISH WASHER

GENERAL CASEWORK NOTES

1. PROVIDE PLAM FINISHED END PANELS AT ALL EXPOSED CABINET SURFACES
2. REFRIGERATOR, DW AND MICROWAVES PROVIDED BY NRCS. INSTALLED BY CONTRACTOR

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

8/8/2019 12:00:53 PM

GENERAL SERVICES ADMINISTRATION
Ben Reko
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D.F.C. BUILDING 41 – SUITE 246
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CERTIFICATION

STATE OF COLORADO
DAVID Q ANDERSON
202496
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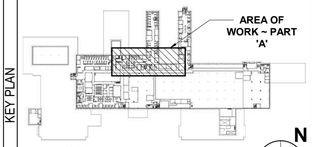
LICENSED ARCHITECT

KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

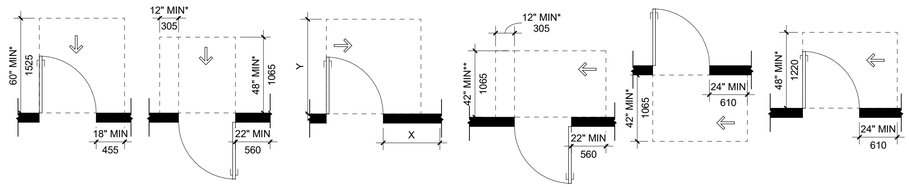
DRAWING

DRAWING TITLE	CASEWORK DETAILS
FILE NAME	
FLOOR NO.	
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DAM / RS SHEET SIZE: 22X34
DRAWING NO.	A 5 01
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 9 OF 50

DOOR SCHEDULE

NUMBER	ROOM NUMBER	NEW DOOR	SALVAGE / RELOCATE	SALVAGED DOOR #	DOOR TYPE	FRAME MATERIAL	FRAME TYPE	LEAF MATERIAL	SIZE			FIRE RATING	HARDWARE SET	COMMENTS
									THICKNESS	WIDTH	HEIGHT			
2403A	2403		Yes	1148	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		4	
2403B	2403	Yes	No		A	Hollow Metal	A	Steel	1 3/4"	3' - 0"	7' - 0"	1.5 hr	1	CLOSER- adjust door opener so door shall open with a force not to exceed 5 ft lbs
2405	2405	Yes	No		A	Hollow Metal	A	Steel	1 3/4"	3' - 0"	7' - 0"	1.5 hr	1	CLOSER- adjust door opener so door shall open with a force not to exceed 5 ft lbs
2406	2406	Yes	No		A	Hollow Metal	A	Steel	1 3/4"	3' - 0"	7' - 0"	1.5 hr	1	CLOSER- adjust door opener so door shall open with a force not to exceed 5 ft lbs
2408	2408		Yes	1140	EXIST.	Hollow Metal	A	(E)	1 3/4"	3' - 0"	7' - 0"		3	
2409	2409	Yes	No		A	Hollow Metal	A	Solid Core Wood	1 3/4"	3' - 0"	7' - 0"		3	
2411	2411		Yes	1139	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		4	
2413	2413		Yes	1151	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		4	
2414	2414		Yes	1141	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		2	
2415	2415		Yes	1150	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		4	
2416	2416		Yes	1149	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		2	
2418	2418	No	Yes	1128	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		4	
2419	2419		Yes	2410	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		4	
2424	2424		Yes	1198	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		4	
2425	2425		Yes	1197	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		2	
2426	2426		Yes	2419	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		4	
2427	2427		Yes	2418	EXIST.	Hollow Metal	B	(E)	1 3/4"	3' - 0"	7' - 0"		2	

NOTE: CONTRACTOR TO VERIFY DIMENSIONS OF EXISTING DOORS TO BE REUSED. PROMPTLY NOTIFY GOVERNMENT & ARCHITECT IF DIMENSIONS VARY FROM SHOWN ABOVE.



(A) HINGE APPROACH, PULL SIDE

(B) FRONT APPROACH, PUSH SIDE

*IF BOTH CLOSER & LATCH ARE PROVIDED

(C&D) HINGE APPROACH, PULL SIDE

X = 36" (915) MIN IF Y = 60" (1525); X = 42" (1065) MIN IF Y = 54" (1370)

(E) HINGE APPROACH, PUSH SIDE

*IF BOTH CLOSER & LATCH ARE PROVIDED
**48" MIN (1220) IF BOTH CLOSER & LATCH PROVIDED

(G) LATCH APPROACH, PUSH SIDE

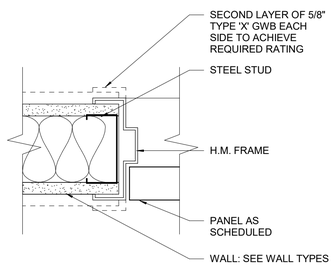
*48" MIN (1220) IF CLOSER IS PROVIDED

(F) LATCH APPROACH, PULL SIDE

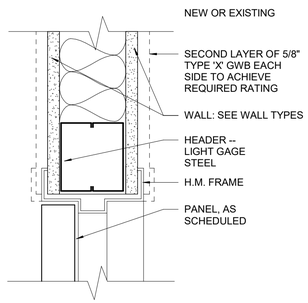
*54" MIN (1370) IF CLOSER IS PROVIDED

⇐ = DOOR APPROACH DIRECTION

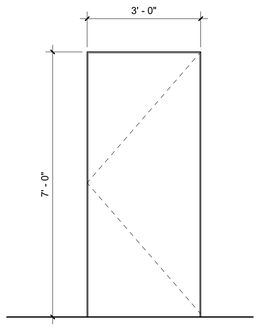
3 DOOR CLEARANCES
1/4" = 1'-0"



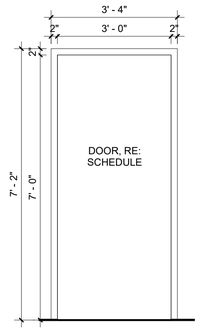
4 TYP. PARTITION DOOR JAMB
3" = 1'-0"



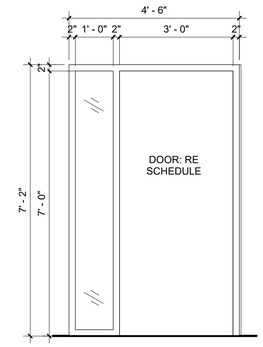
5 TYP. PARTITION DOOR HEAD
3" = 1'-0"



DOOR LEAF TYPE A
1/2" = 1'-0"



2 DOOR FRAME TYPE A
1/2" = 1'-0"



1 DOOR FRAME TYPE B
1/2" = 1'-0"

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATION

STATE OF COLORADO * LICENSED ARCHITECT *
DAVID D ANDERSON
202496
8.9.19

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	DOOR AND WINDOW SCHEDULES
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 6 01
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 10 OF 50

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GENERAL FINISH PLAN NOTES

1. REMOVE (E) FINISHES IN ALL LOCATIONS NOTED TO RECIEVE NEW FINISH.
2. IF HAZARDOUS MATERIALS ARE DISCOVERED DURING DEMOLITION, STOP WORK AND NOTIFY GOVERNMENT.
3. ALLOW FOR TWO ACCENT PAINT COLORS (APPOX. 20% OF WALLS). COLOR TO BE SELECTED BY OWNER.
4. PROVIDE STAINLESS STEEL ABA TRANSITION STRIPS AT ALL ADJACENT DISSIMILAR FLOORING.
5. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS OF GYP BOARD WALLS.
6. PATCH AND REPAIR ALL FINISHES DAMAGED BY DEMOLITION OR INSTALLATION OF EQUIPMENT. MATCH (E) ADJACENT FINISH.
7. PROVIDE SMOOTH AND FLUSH TRANSITION BETWEEN (N) AND (E) GWB.

ROOM FINISH SCHEDULE

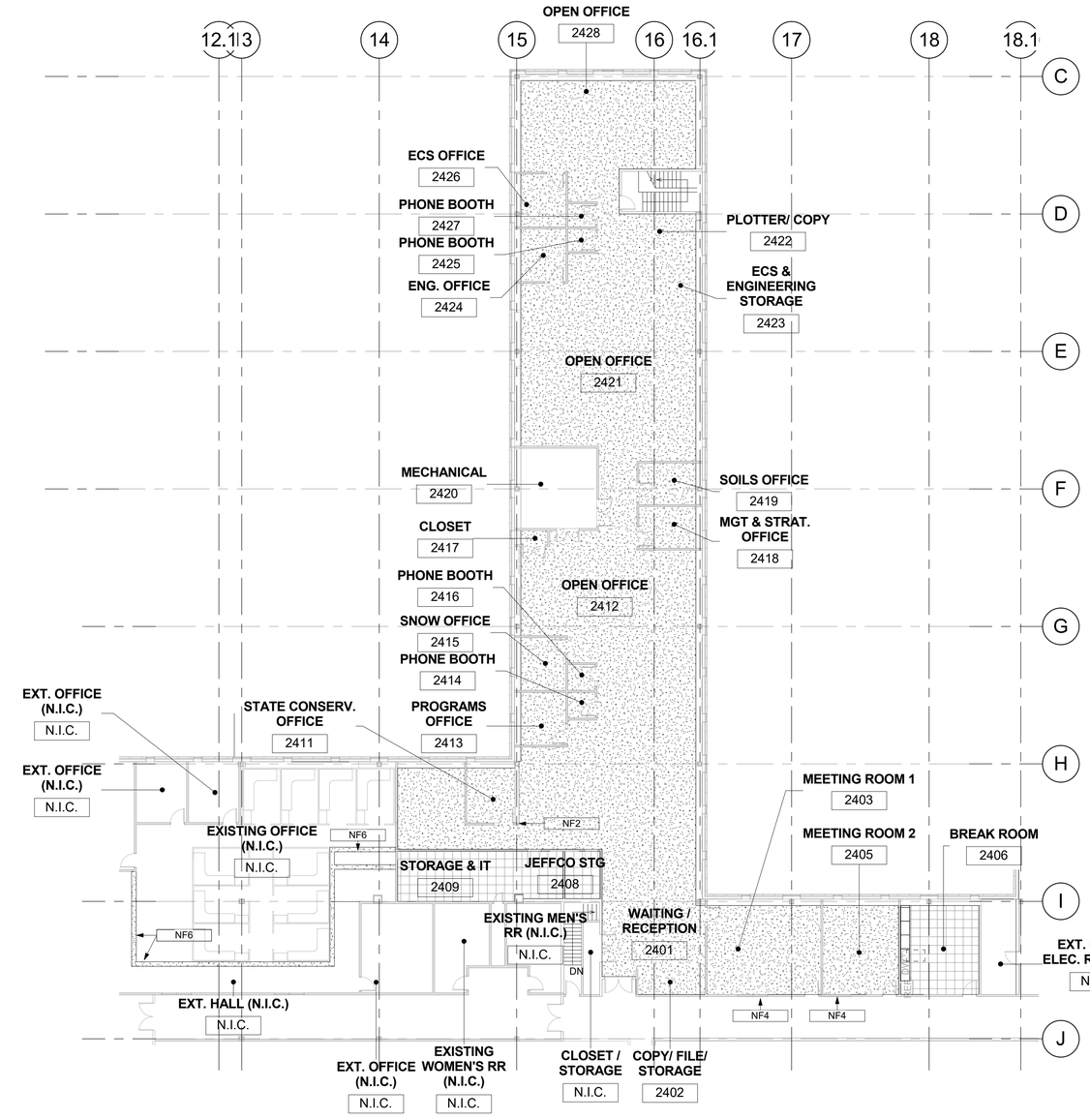
ROOM NUMBER	Area	NAME	FLOOR FINISH	BASE	CEILING FINISH	WALL FINISH	COMMENTS
2401	327 SF	WAITING / RECEPTION	CPT	RB	ACT	PT	
2402	79 SF	COPY/ FILE/ STORAGE	CPT	RB	ACT	PT	
2403	483 SF	MEETING ROOM 1	CPT	RB	ACT	PT	
2405	321 SF	MEETING ROOM 2	CPT	RB	ACT	PT	
2406	332 SF	BREAK ROOM	SL	RB	<E> ACT	PT	
2408	80 SF	JEFFCO STG	SL	RB	OPEN	PT	
2409	389 SF	STORAGE & IT	SL	RB	OPEN	PT	
2411	127 SF	STATE CONSERV. OFFICE	CPT	RB	ACT	PT	
2412	2891 SF	OPEN OFFICE	CPT	RB	ACT	PT	
2413	113 SF	PROGRAMS OFFICE	CPT	RB	ACT	PT	
2414	34 SF	PHONE BOOTH	CPT	RB	ACT	PT	
2415	113 SF	SNOW OFFICE	CPT	RB	ACT	PT	
2416	34 SF	PHONE BOOTH	CPT	RB	ACT	PT	
2417	18 SF	CLOSET	<E>	<E>	<E> ACT	PT	
2418	113 SF	MGT & STRAT. OFFICE	CPT	RB	ACT	PT	
2419	113 SF	SOILS OFFICE	CPT	RB	ACT	PT	
2420	291 SF	MECHANICAL	<E>	<E>	<E>	PT	
2421	1514 SF	OPEN OFFICE	CPT	RB	ACT	PT	
2422	106 SF	PLOTTER/ COPY	CPT	RB	ACT	PT	
2423	250 SF	ECS & ENGINEERING STORAGE	CPT	RB	ACT	PT	
2424	114 SF	ENG. OFFICE	CPT	RB	ACT	PT	
2425	30 SF	PHONE BOOTH	CPT	RB	ACT	PT	
2426	114 SF	ECS OFFICE	CPT	RB	ACT	PT	
2427	30 SF	PHONE BOOTH	CPT	RB	ACT	PT	
2428	824 SF	OPEN OFFICE	CPT	RB	ACT	PT	

FINISH SCHEDULE LEGEND

CPT = CARPET TILE
SL = SHEET LINOLEUM
<E> = EXISTING
RB = RUBBER BASE - ALL WALLS
ACT = ACOUSTIC CEILING TILE
PT = PAINT
- EGGSHELL COLOR SELECTED BY OWNER
- 20% OF ALL WALLS ARE ACCENT.

NEW KEYNOTES

Key Value	Keynote Text
NF2	PATCH END OF WALL MATCH (E) ADJACENT FINISH
NF4	INFILL (E) OPENING WHERE DOOR WAS REMOVED. MATCH (E) ADJACENT WALL ASSEMBLY; ASSUMED WALL TYPE 3.
NF6	PATCH/REPAIR EXISTING FLOORING AND CEILING TO MATCH (E) FINISH WHERE WALL IS REMOVED. USE SALVAGED CARPET FROM DEMO.



LEGEND:

CARPET

SHEET LINOLEUM

1 NEW - SECOND LEVEL FINISH PLAN - OVERALL

1/16" = 1'-0"

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

8/8/2019 12:00:56 PM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
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ANDERSON HALLAS ARCHITECTS, PC
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CERTIFICATION

STATE OF COLORADO
DAVID C. ANDERSON
202496
8.9.19
LICENSED ARCHITECT

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

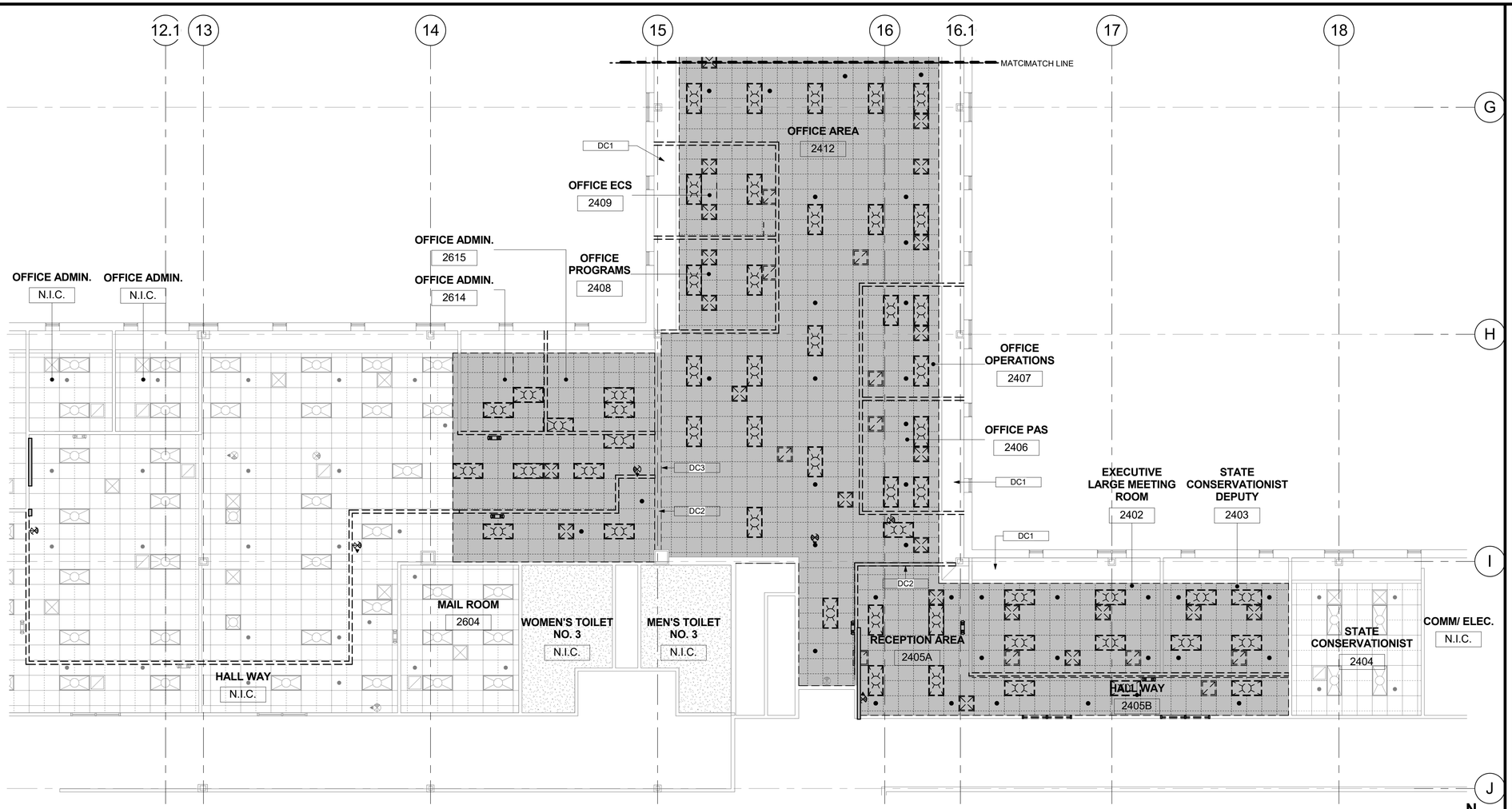
NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	ROOM FINISH SCHEDULE AND DETAILS
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 10/06/2017
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 6 02
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 11 OF 50



1 DEMO - SECOND LEVEL RCP - PART 'A'

1/8" = 1'-0"

CEILING LEGEND:

- = GYPSUM BOARD CEILING TO REMAIN
- = SHADED AREA INDICATED AREA OF CEILING DEMOLITION
- = 2x2 - ACOUSTIC CEILING TILE (ACT) & TRACK TO REMAIN
- = 2x4 - ACOUSTIC CEILING TILE (ACT) SCORED TO LOOK LIKE 2X2 & TRACK TO BE REMOVED
- = 2x4 LIGHT FIXTURE TO BE REMOVED OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = RESSED CANLIGHT FIXTURE TO BE REMOVED OR RELOCATED RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = MECHANICAL 2X2 RETURN AIR FIXTURE TO BE REMOVED OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = MECHANICAL 2x2 AIR SUPPLY FIXTURE TO BE REMOVED OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = CEILING MOUNTED EXIT SIGN WITH ALUMINATED DIRECTIONAL ARROWS TO BE REMOVED OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = WALL MOUNTED EMERGENCY SIGN WITH LUMINATED DIRECTIONAL ARROWS TO BE REMOVED OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = SEMI RESSED FIRE SPRINKLER (DOWN) TO BE REMOVED OR RELOCATED, RE: FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION
- = CEILING MOUNTED FIRE STROBE AND SPEAKER TO BE REMOVED OR RELOCATED, RE: FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION
- = CEILING MOUNTED SMOKE DETECTOR TO BE REMOVED OR RELOCATED, RE: FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION

GENERAL DEMO CEILING NOTES

1. REFER TO MECH., ELEC., FIRE PROTECTION SHEETS FOR DEMO OR RELOCATION OF FIXTURES.
2. <E> ANGLED GYP. SOFFIT TO REMAIN.
3. PATCH AND REPAIR ALL CEILING SURFACES THROUGHOUT AREA OF WORK

DEMO RCP KEYNOTES

Key Value	Keynote Text
DC1	(E) ANGLED GYP. SOFFIT TO REMAIN
DC2	(E) SOFFIT TO REMAIN
DC3	REMOVE PORTION OF (E) MASONRY WALL, (E) BEAM TO REMAIN

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

8/8/2019 12:01:00 PM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
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715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
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AIA, LEED AP
daveanderson@andarch.com

CERTIFICATION

STATE OF COLORADO * DAVID C ANDERSON * 202496 8.9.19 * LICENSED ARCHITECT *

KEY PLAN

AREA OF WORK ~ PART 'A'

2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	ENLARGED DEMO REFLECTED CEILING PLAN - PART 'A'
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 04/152019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 7 01

DISCIPLINE SHEET TYPE SEQUENCE
SHEET 12 OF 50

DEMO RCP KEYNOTES

Key Value	Keynote Text
DC1	(E) ANGLED GYP. SOFFIT TO REMAIN
DC2	(E) SOFFIT TO REMAIN
DC3	REMOVE PORTION OF (E) MASONRY WALL, (E) BEAM TO REMAIN

GENERAL DEMO CEILING NOTES

1. REFER TO MECH., ELEC., FIRE PROTECTION SHEETS FOR DEMO OR RELOCATION OF FIXTURES.
2. <E> ANGLED GYP. SOFFIT TO REMAIN.
3. PATCH AND REPAIR ALL CEILING SURFACES THROUGHOUT AREA OF WORK

CEILING LEGEND:

= GYPSUM BOARD CEILING TO REMAIN

= SHADED AREA INDICATED AREA OF CEILING DEMOLITION

= 2x2 - ACOUSTIC CEILING TILE (ACT) & TRACK TO REMAIN

= 2x4 - ACOUSTIC CEILING TILE (ACT) SCORED TO LOOK LIKE 2X2 & TRACK TO BE REMOVED

= 2x4 LIGHT FIXTURE TO BE REMOVED OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

= RESSED CANLIGHT FIXTURE TO BE REMOVED OR RELOCATED RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

= MECHANICAL 2X2 RETURN AIR FIXTURE TO BE REMOVED OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION

= MECHANICAL 2x2 AIR SUPPLY FIXTURE TO BE REMOVED OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION

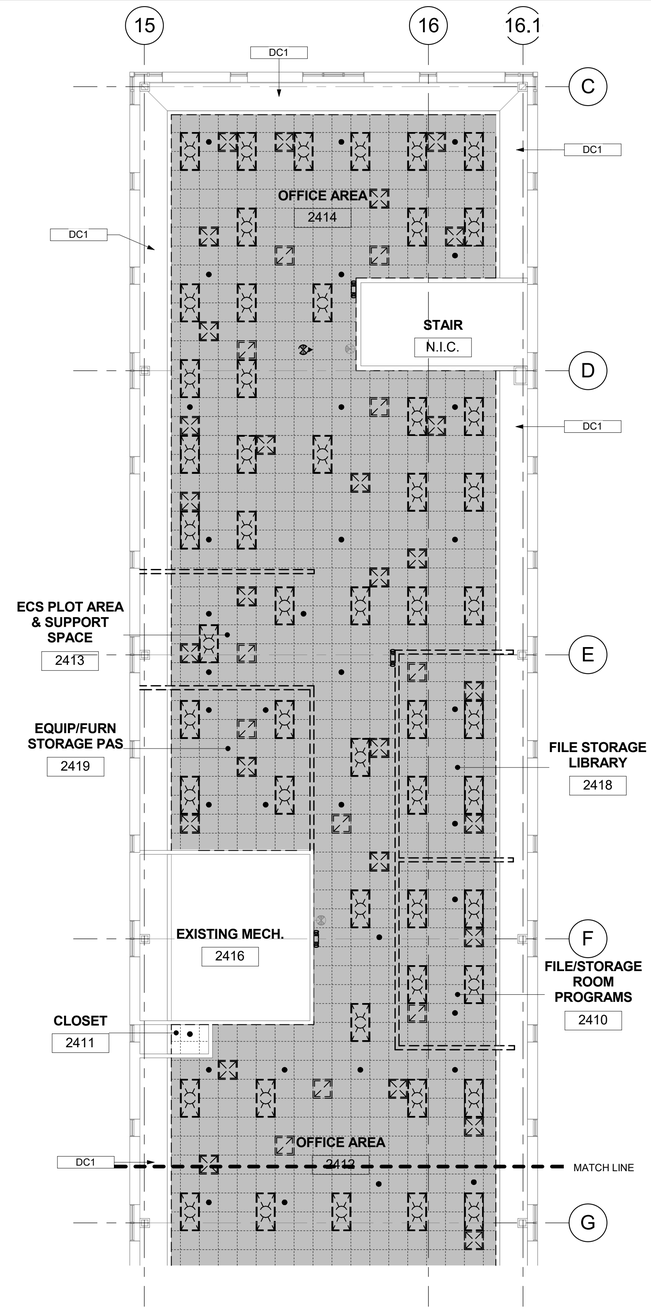
= CEILING MOUNTED EXIT SIGN WITH ALUMINATED DIRECTIONAL ARROWS TO BE REMOVED OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

= WALL MOUNTED EMERGENCY SIGN WITH LUMINATED DIRECTIONAL ARROWS TO BE REMOVED OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

= SEMI RESSED FIRE SPRINKLER (DOWN) TO BE REMOVED OR RELOCATED, RE: FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION

= CEILING MOUNTED FIRE STROBE AND SPEAKER TO BE REMOVED OR RELOCATED, RE: FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION

= CEILING MOUNTED SMOKE DETECTOR TO BE REMOVED OR RELOCATED, RE: FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION



1 **DEMO - SECOND LEVEL RCP - PART 'B'**
1/8" = 1'-0"

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

8/8/2019 12:01:02 PM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
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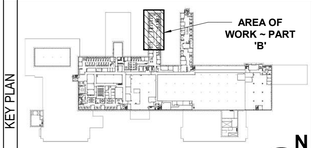
CERTIFICATION

STATE OF COLORADO
DAVID C. ANDERSON
202496
8.9.19
LICENSED ARCHITECT

KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

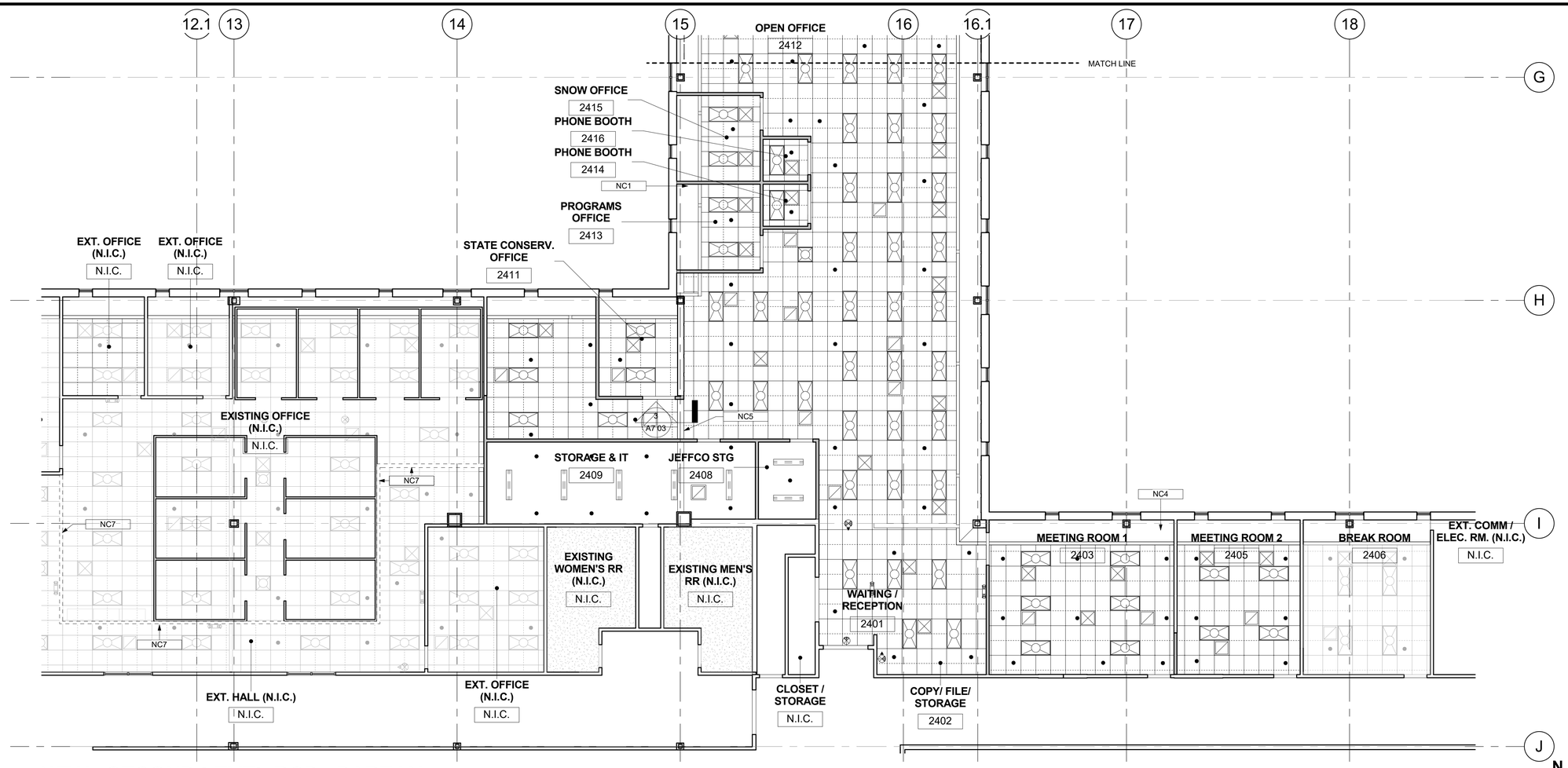
PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	ENLARGED DEMO REFLECTED CEILING PLANS - PART 'B'
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 7 02

DISCIPLINE SHEET TYPE SEQUENCE
SHEET 13 OF 50

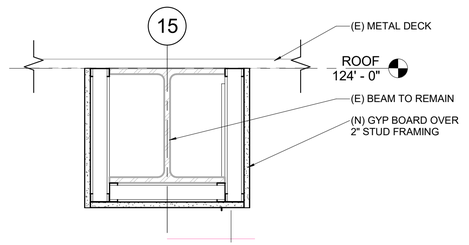


1 NEW - SECOND LEVEL RCP - PART 'A'

1/8" = 1'-0"

CEILING LEGEND:

- = GYPSUM BOARD CEILING TO REMAIN
- = 2x4 - ACOUSTIC CEILING TILE (ACT) & TRACK TO REMAIN
- = 2x4 - ACOUSTIC CEILING TILE (ACT) & TRACK SCORED TO LOOK LIKE 2X2
- = 2x4 LIGHT FIXTURE NEW OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = 4' - SHOP LIGHT FIXTURE NEW OR RELOCATED, RE: ELECTRICAL DRAWING FOR ADDITIONAL INFORMATION
- = MECHANICAL 2X2 RETURN AIR FIXTURE NEW OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = MECHANICAL 2x2 AIR SUPPLY FIXTURE NEW OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = CEILING MOUNTED EXIT SIGN WITH ILLUMINATED DIRECTIONAL ARROWS NEW OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = SEMI RESSED FIRE SPRINKLER (DOWN) NEW OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = CEILING MOUNTED FIRE STROBE AND SPEAKER NEW OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- = CEILING MOUNTED SMOKE DETECTOR NEW OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION



3 (N) GYP BOARD SOFFIT

1 1/2" = 1'-0"

GENERAL CEILING NOTES

1. REFER TO MECH., ELEC., FIRE PROTECTION SHEETS FOR CEILING FIXTURE LOCATIONS AND ADDITIONAL INFORMATION
2. REINSTALL <E> WINDOW COVERINGS IN SAME LOCATION. PROTECT IN PLACE. TYP. ALL WINDOWS

NEW RCP KEYNOTES

	Keynote Text
NC1	PATCH/REPAIR GWB SOFFIT WHERE WALL REMOVED
NC3	(E) GWB SOFFIT TO REMAIN
NC4	(E) ANGLED GYP. SOFFIT TO REMAIN
NC5	WRAP (E) BEAM W/ GWB
NC6	(E) CEILING AND FIXTURES TO REMAIN
NC7	PATCH/REPAIR (E) ACT CEILING WHERE WALL REMOVED

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
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8/8/2019 12:01:04 PM

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Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
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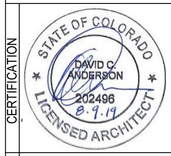
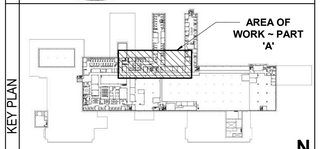


KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	ENLARGED NEW REFLECTED CEILING PLAN - PART 'A'
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 7 03

DISCIPLINE SHEET TYPE SEQUENCE
SHEET 14 OF 50

GENERAL CEILING NOTES

1. REFER TO MECH., ELEC., FIRE PROTECTION SHEETS FOR CEILING FIXTURE LOCATIONS AND ADDITIONAL INFORMATION
2. REINSTALL <E> WINDOW COVERINGS IN SAME LOCATION. PROTECT IN PLACE. TYP. ALL WINDOWS

NEW RCP KEYNOTES

	Keynote Text
NC1	PATCH/REPAIR GWB SOFFIT WHERE WALL REMOVED
NC3	(E) GWB SOFFIT TO REMAIN
NC4	(E) ANGLED GYP. SOFFIT TO REMAIN
NC5	WRAP (E) BEAM W/ GWB
NC6	(E) CEILING AND FIXTURES TO REMAIN
NC7	PATCH/REPAIR (E) ACT CEILING WHERE WALL REMOVED

CEILING LEGEND:

= GYPSUM BOARD CEILING TO REMAIN

= 2x4 - ACOUSTIC CEILING TILE (ACT) & TRACK TO REMAIN

= 2x4 - ACOUSTIC CEILING TILE (ACT) & TRACK SCORED TO LOOK LIKE 2X2

= 2x4 LIGHT FIXTURE NEW OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

= 4' - SHOP LIGHT FIXTURE NEW OR RELOCATED, RE: ELECTRICAL DRAWING FOR ADDITIONAL INFORMATION

= MECHANICAL 2X2 RETURN AIR FIXTURE NEW OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION

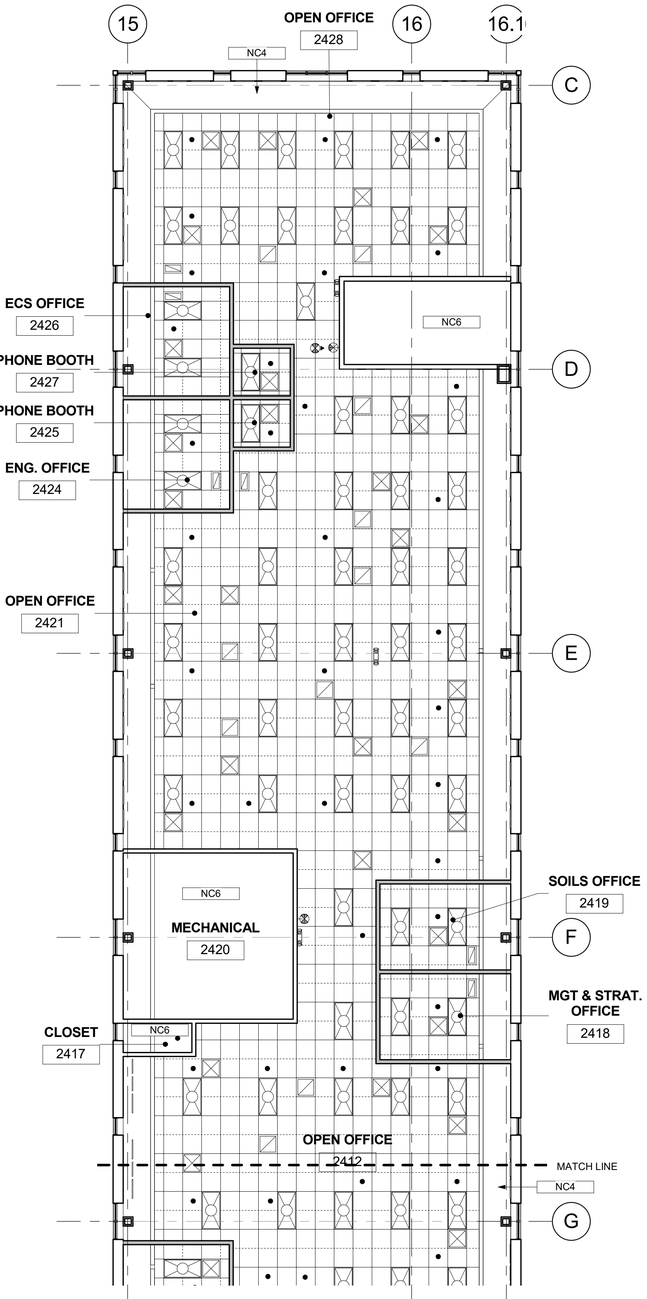
= MECHANICAL 2x2 AIR SUPPLY FIXTURE NEW OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION

= CEILING MOUNTED EXIT SIGN WITH ILLUMINATED DIRECTIONAL ARROWS NEW OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

= SEMI RESSED FIRE SPRINKLER (DOWN) NEW OR RELOCATED, RE: MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION

= CEILING MOUNTED FIRE STROBE AND SPEAKER NEW OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

= CEILING MOUNTED SMOKE DETECTOR NEW OR RELOCATED, RE: ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION



1 **NEW - SECOND LEVEL RCP - PART 'B'**
1/8" = 1'-0"

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

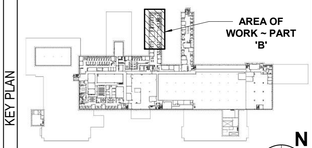
GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | **720.412.2812** Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATION

STATE OF COLORADO * DAVID C ANDERSON 202496 8.9.19 * LICENSED ARCHITECT

KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECTS PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

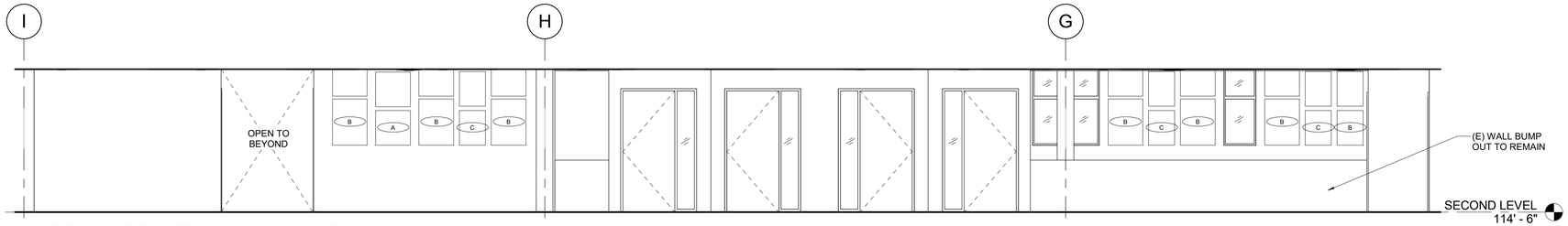
PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

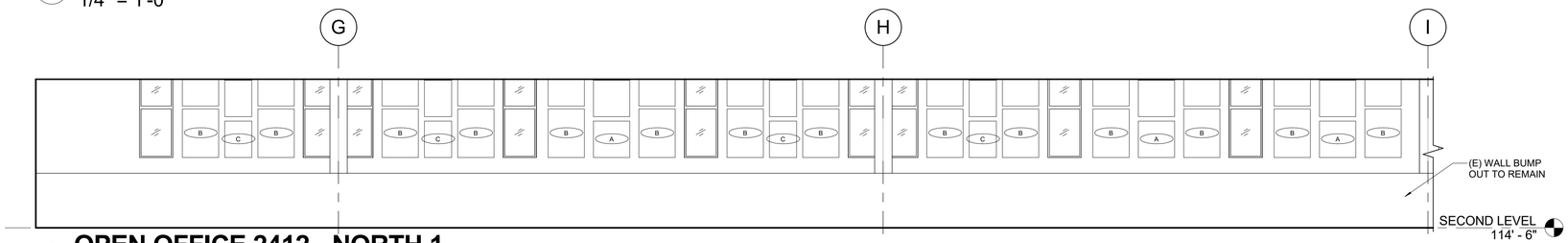
DRAWING TITLE	ENLARGED NEW REFLECTED CEILING PLAN - PART 'B'
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	DAM / LB DATE DRAFTED: 04/15/2019
CHECKED BY	DCA / RS SHEET SIZE: 22X34
DRAWING NO.	A 7 04
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 15 OF 50

8/8/2019 12:01:05 PM



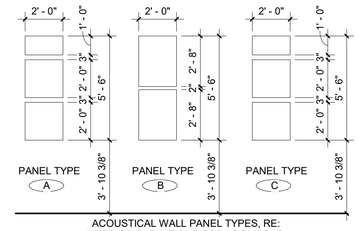
5 OPEN OFFICE 2412 - SOUTH 1

1/4" = 1'-0"

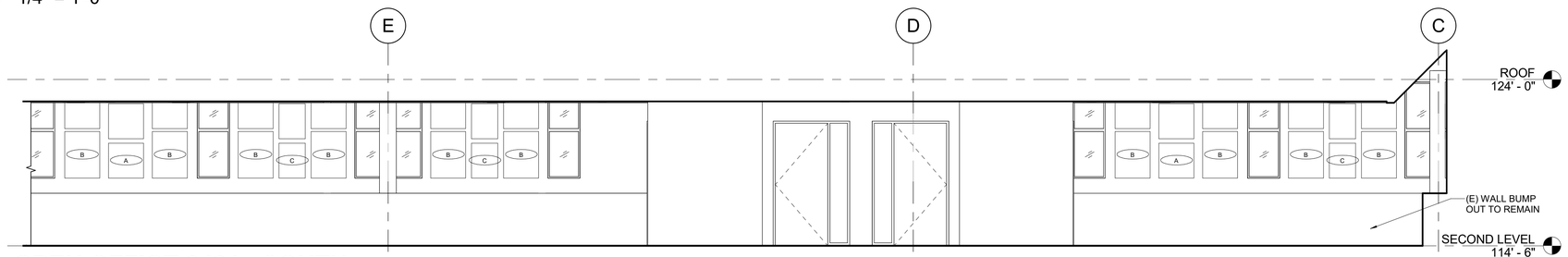


4 OPEN OFFICE 2412 - NORTH 1

1/4" = 1'-0"

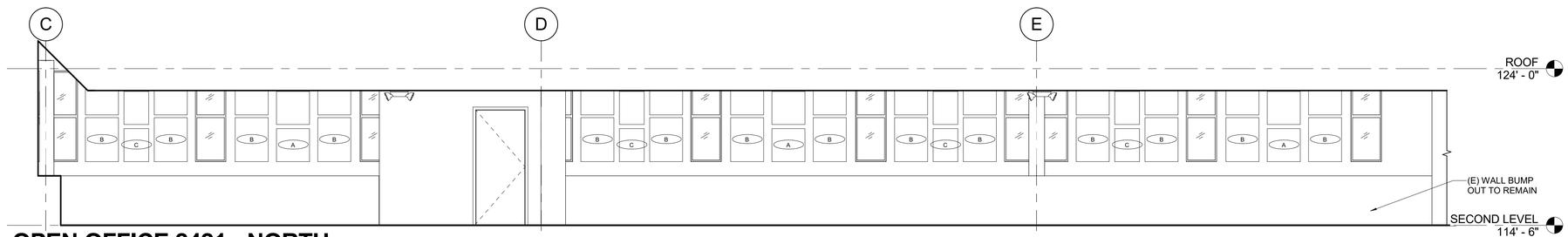


ACOUSTICAL WALL PANEL TYPES, RE: INTERIOR ELEVATIONS FOR LOCATIONS, FABRIC TO BE SELECTED BY OWNER



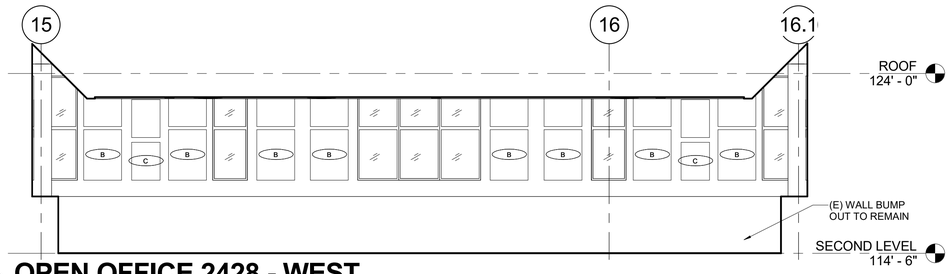
3 OPEN OFFICE 2421 - SOUTH

1/4" = 1'-0"



2 OPEN OFFICE 2421 - NORTH

1/4" = 1'-0"



1 OPEN OFFICE 2428 - WEST

1/4" = 1'-0"

NOTE:
ACOUSTIC WALL PANELS TO BE ADD ALTERNATE #1.

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

8/8/2019 12:01:06 PM

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CERTIFICATION

STATE OF COLORADO
DAVID C. ANDERSON
202496
8.9.19
LICENSED ARCHITECT

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

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CITY/ST./ZIP	DENVER, COLORADO 80255
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GSA PM	BEN REKO
SUBMISSION	100 CD ISSUE
SUB. DATE	07/25/2019

DRAWING

DRAWING TITLE	INTERIOR ELEVATIONS - OPEN OFFICE
FILE NAME	
FLOOR NO.	
DRAWN BY	CN DATE DRAFTED: 04/15/2019
CHECKED BY	RS SHEET SIZE: 22X34
DRAWING NO.	A 9 01

DISCIPLINE SHEET TYPE SEQUENCE
SHEET 16 OF 50

MECHANICAL NOTES

I. GENERAL

A. ALL WORK SHALL BE IN ACCORDANCE WITH SMACNA STANDARDS AND SPECIFICATIONS, AND LOCAL AUTHORITY HAVING JURISDICTION.

B. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND NOT INTENDED TO SHOW ALL TRANSITIONS, OFFSETS, ETC. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND PROVIDE ALL NECESSARY FITTINGS TO COMPLETE THE INTENT OF THE DRAWINGS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CONTRACTING OFFICER FOR RESOLUTION. CONTRACTOR MAY LOCATE MECHANICAL EQUIPMENT DIFFERENTLY THAN SHOWN ON DRAWINGS DUE TO CONFLICTS, AS LONG AS FUNCTION AND APPEARANCE ARE NOT AFFECTED.

C. COORDINATE SPACE REQUIREMENTS, SUPPORTS, AND INSTALLATION OF MECHANICAL WORK, WHICH ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. FOLLOW ROUTING SHOWN FOR PIPES AND DUCTS AS CLOSELY AS PRACTICABLE; PLACE RUNS PARALLEL WITH LINES OF BUILDING. UTILIZE SPACES EFFICIENTLY TO MAXIMIZE ACCESSIBILITY FOR OTHER INSTALLATIONS, FOR MAINTENANCE, AND FOR REPAIRS.

D. COMPLY WITH MANUFACTURER'S INSTRUCTIONS INCLUDING EACH STEP IN SEQUENCE. SHOULD MANUFACTURERS' INSTRUCTIONS CONFLICT WITH THE DRAWINGS REQUEST CLARIFICATION FROM THE CONTRACTING OFFICER BEFORE PROCEEDING.

E. DUCT SIZES ARE INSIDE DIMENSION.

F. CONTRACTOR SHALL REVIEW THESE DOCUMENTS CAREFULLY. CONTRACTOR SHALL CONTACT CONTRACTING OFFICER, FOR RESOLUTION OF ANY DISCREPANCIES, OMISSIONS, OR CLARIFICATIONS, BEFORE BID DATE. IN THE EVENT THAT AN INTERPRETATION OF BID DOCUMENTS IS NECESSARY AFTER THE BID DATE, THE DECISION OF THE CONTRACTING OFFICER SHALL BE FINAL AND BINDING.

G. PRODUCT DELIVERY, STORAGE, AND HANDLING: PROVIDE EQUIPMENT AND PERSONNEL TO HANDLE PRODUCTS BY METHODS TO PREVENT DAMAGE. PROMPTLY INSPECT SHIPMENTS TO ENSURE THAT PRODUCTS ARE UNDAMAGED. STORE AND PROTECT PRODUCTS IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS.

H. ALL REMOVED EQUIPMENT SHALL REMAIN THE PROPERTY OF THE BUILDING MANAGER AND SHALL BE STORED PER THEIR DIRECTION.

I. THE CONTRACTOR IS RESPONSIBLE FOR THE COSTS OF ALL CHANGE ORDERS, WHICH THE CONTRACTING OFFICER HAS NOT APPROVED IN WRITING PRIOR TO THE EXECUTION OF THE ASSOCIATED WORK.

J. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AND NOTIFY CONTRACTING OFFICER IF ANY CONFLICTS OCCUR.

K. THERMOSTAT LOCATIONS AND HEIGHTS TO BE COORDINATED WITH CONTRACTING OFFICER. CONTRACTOR TO CALIBRATE ALL THERMOSTATS SHOWN ON THIS PLAN. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL EXISTING THERMOSTATS REMAIN INTACT DURING DEMOLITION. HEATING THERMOSTATS MUST REMAIN OPERATIONAL AT ALL TIMES. IF REQUIRED FOR BETTER PROTECTION, THERMOSTATS MAY BE TEMPORARILY MOUNTED IN THE CEILING PLENUM DURING DEMOLITION.

L. PROVIDE VOLUME DAMPERS AT ALL DIFFUSER TAKEOFFS.

M. ALL TAKEOFFS, RUNOUTS, AND FLEX DUCTWORK TO DIFFUSERS SHALL BE THE SAME SIZE AS DIFFUSER INLET UNLESS OTHERWISE NOTED.

N. MECHANICAL CONTRACTOR TO CHECK OPERATION AND CONDITION OF ALL EXISTING MECHANICAL EQUIPMENT WITHIN THE CONFINES OF THIS SPACE AND PREPARE A WRITTEN LIST OF ANY DEFICIENCIES IN EQUIPMENT OPERATION OR CONDITION. LIST SHALL BE SUBMITTED TO CONTRACTING OFFICER TWO WEEKS AFTER THE AWARD OF THE CONTRACT.

O. THERMOSTAT CONTROL LINES SHALL BE SUPPORTED AT INTERVALS NOT TO EXCEED 4'0".

P. PROVIDE EXTERNAL INSULATION ON ALL NEW RIGID ROUND DUCTWORK.

Q. PROVIDE ACCESS DOORS IN DUCTWORK AS REQUIRED FOR ACCESS TO FIRE DAMPERS, FIRE/SMOKE DAMPERS, OR ANY OTHER MECHANICAL EQUIPMENT REQUIRING MAINTENANCE OF SERVICE.

R. ALL PIPE AND DUCT PENETRATIONS THOUGH RATED WALLS SHALL BE SEALED PER 2015 IBC.

MECHANICAL LEGEND

	EXISTING DUCT
	EXISTING TO BE REMOVED
	NEW DUCT
	SUPPLY DIFFUSER
	RETURN AIR GRILLE
	MANUAL BALANCING DAMPER
	FLEXIBLE DUCTWORK
T	THERMOSTAT
(R)	RELOCATED
	FIRE SPRINKLER HEAD
F/S	FIRE SMOKE DAMPER (F/S)
	NEW TO EXISTING

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE

TAG	MANUFACTURER	MODEL	SERVICE	MATERIAL	FACE SIZE	NECK SIZE	FINISH	REMARKS
A	PRICE	PDDR	RETURN	STEEL	24x12"	22x10"	WHITE	
B	PRICE	510	SUPPLY	STEEL	SEE PLAN	SEE PLAN	WHITE	1,3
C	PRICE	510	RETURN	STEEL	SEE PLAN	SEE PLAN	WHITE	1,3
D	PRICE	510	SUPPLY	STEEL	SEE PLAN	SEE PLAN	WHITE	2,3
E	PRICE	PDDR	RETURN	STEEL	24x24"	14x14	WHITE	

NOTES:
1. PROVIDE WITH SPIRAL DUCT MOUNTING FRAME
2. PROVIDE WITH FLAT WALL MOUNTING FRAME
3. SINGLE, 22.5° DEFLECTION

OUTSIDE AIR CALCULATION (CALCULATIONS BASED ON IMC TABLE 403.3)

ROOM NAME	ROOM #	SQUARE FEET	OA CFM/ PERSON	OA CFM/SF	OCCUPANT LOAD #/1000 SF	AIR DIST. EFFECTIVENESS	OA PERCENTAGE	SA PROVIDED	OA PROVIDED	OA REQUIRED
*WAITING/RECEPTION	2401	414	5	0.06	30	0.8	15%	420	63	108.7
MEETING ROOM 1	2403	516	5	0.06	50	0.8	15%	1335	200.25	200.0
MEETING ROOM 2	2405	343	5	0.06	50	0.8	15%	890	133.5	132.9
BREAK ROOM	2406	355	5	0.06	5	0.8	15%	900	135	37.7
JEFFCO STG	2408	82	0	0.12	0	0.8	15%	85	12.75	12.3
M&S PROGRAMS & PUBLIC AFFAIRS STORAGE	2409	329	0	0.12	0	0.8	15%	340	51	49.4
IT	2410	67	0	0.00	0	0.8	15%	0	0	0.0
STATE CONSERV. OFFICE	2411	142	5	0.06	5	0.8	15%	370	55.5	15.1
OPEN OFFICE W	2412SW	343	5	0.06	5	0.8	15%	630	94.5	36.4
OPEN OFFICE MID	2412SE	539	5	0.06	5	0.8	15%	400	60	57.3
OPEN OFFICE E	2412NW	1198	5	0.06	5	0.8	15%	2130	319.5	127.3
OPEN OFFICE NE	2412NE	561	5	0.06	5	0.8	15%	1200	180	59.6
OPEN OFFICE NW	2412NW	435	5	0.06	5	0.8	15%	820	123	46.2
PROGRAMS OFFICE	2413	128	5	0.06	5	0.8	15%	550	82.5	13.6
PHONE BOOTH	2414	33	5	0.06	5	0.8	15%	40	6	3.5
SNOW OFFICE	2415	128	5	0.06	5	0.8	15%	550	82.5	13.6
PHONE BOOTH	2416	33	5	0.06	5	0.8	15%	40	6	3.5
CLOSET	2417	22	0	0.00	0	0.8	15%	0	0	0.0
MGT & STRAT. OFFICE	2418	125	5	0.06	5	0.8	15%	275	41.25	13.3
SOLIS OFFICE	2419	125	5	0.06	5	0.8	15%	315	47.25	13.3
MECHANICAL	2420	319	0	0.00	0	0.8	15%	0	0	0.0
OPEN OFFICE W	2421	692	5	0.06	5	0.8	15%	1380	207	73.5
OPEN OFFICE E	2421	554	5	0.06	5	0.8	15%	1200	180	58.9
PLOTTER/ COPY	2422	157	5	0.06	5	0.8	15%	400	60	16.7
ECS & ENGINEERING STORAGE	2423	340	0	0.12	0	0.8	15%	800	120	51.0
ENG. OFFICE	2424	128	5	0.06	5	0.8	15%	310	46.5	13.6
PHONE BOOTH	2425	31	5	0.06	5	0.8	15%	40	6	3.3
ECS OFFICE	2426	129	5	0.06	5	0.8	15%	350	52.5	13.7
PHONE BOOTH	2427	31	5	0.06	5	0.8	15%	40	6	3.3
OPEN OFFICE	2428	947	5	0.06	5	0.8	15%	2205	330.75	100.6
									2702.25	1278.2

*EXCESS OUTSIDE AIR PROVIDED VIA OPEN AIR PATH TO OPEN OFFICE 2412

FAN SCHEDULE

GENERAL				PERFORMANCE @ 5300' ASL						ELECTRICAL				PHYSICAL				NOTES
TAG	MANUFACTURER	MODEL	SERVICE	AIRFLOW [CFM]	ESP [IN. W.C.]	SPEED [RPM]	POWER [BHP]	SIZE [WATTS]	SOUND [SONES]	VOLTAGE [V]	PHASE	FREQUENCY [HZ]	FLA [A]	LENGTH [IN]	WIDTH [IN]	HEIGHT [IN]	WEIGHT [LBS]	
TF-1	GREENHECK	SP-B90	TRANSFER	70	0.20	700	0.01	17	1.3	115	1	60.0	0.7	12	14	7	10	1,2,3,4

NOTES:
1. PROVIDE WITH BACKDRAFT DAMPER.
2. PROVIDE WITH FACTORY-MOUNTED DISCONNECT.
3. FAN TO RUN CONSTANTLY
4. SUPPORT FAN FROM STRUCTURE ABOVE AND PROVIDE WITH VIBRATION ISOLATION.

11/3/2017 10:52:16 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
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(303) 278-4378
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Principal: Dave Anderson
AIA, LEED AP
davеanderson@andarch.com

360 Three Sixty Engineering, Inc.
3600 Jackson St. #300 Golden, CO 80403
303.940.2050 303.940.3322-fax
#17-041A
DMD

CERTIFICATION

COLORADO LICENSED TRAVIS C. MENARD 53449 7/25/19 PROFESSIONAL ENGINEER

KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTOR

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
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PROJECT

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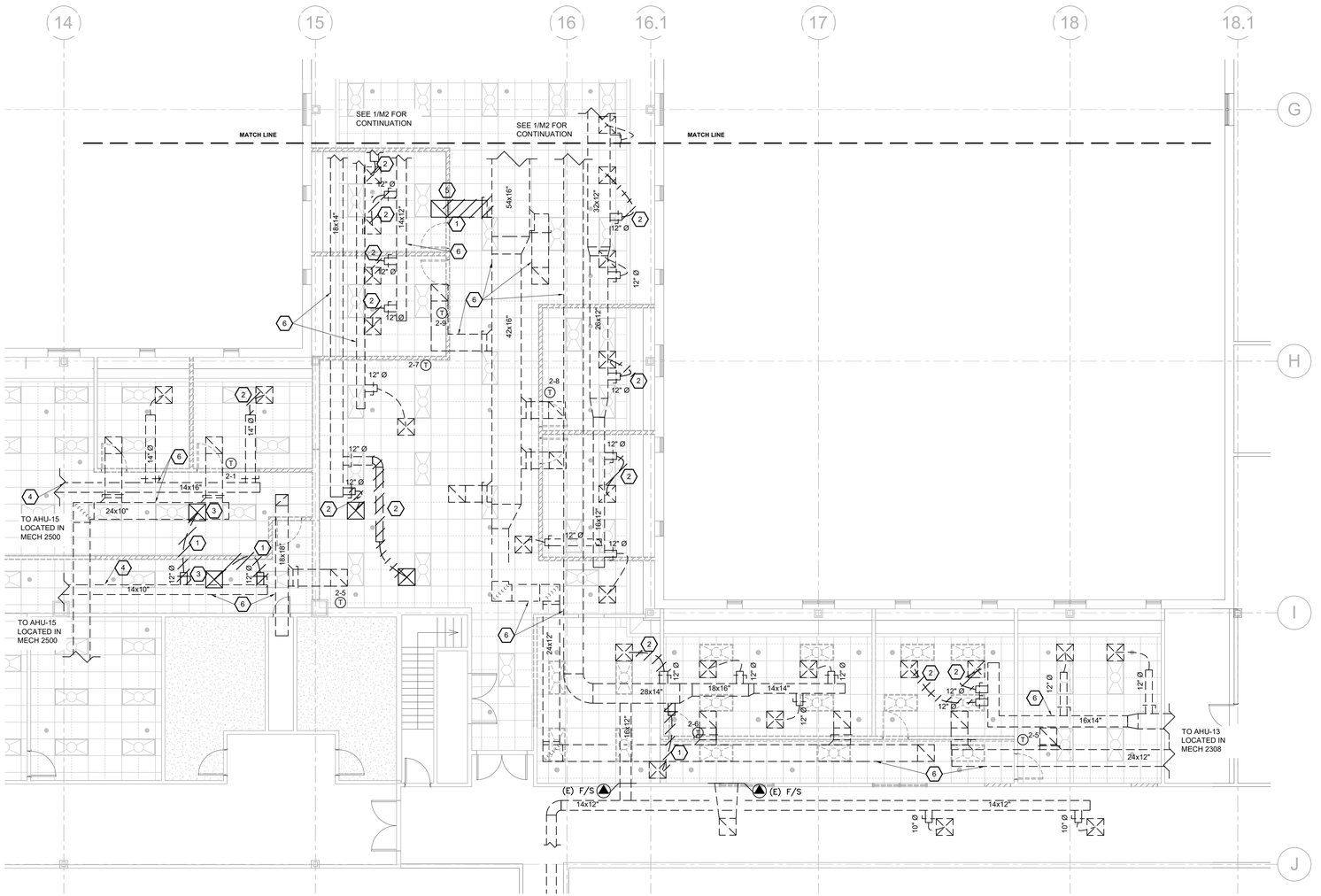
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTIONS DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	MECHANICAL COVER SHEET
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	JSW DATE DRAFTED: 6/20/2018
CHECKED BY	TCM/DMD SHEET SIZE: 22X34
DRAWING NO.	M 0
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 17 OF 50



1 MD1 MECHANICAL DEMO PLAN PART A

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

NORTH

KEY NOTES:

1. DEMO DUCT BACK AND CAP AS SHOWN.
2. DEMO DUCT BACK AS NEEDED FOR NEW DUCT CONNECTION PER 1/M1.
3. RELOCATE DIFFUSER PER M1.
4. CONTRACTOR TO CHECK BALANCE OF ZONE PRIOR TO CONSTRUCTION. CONTRACTOR TO REBALANCE DIFFUSERS OUTSIDE OF THIS SCOPE TO MEASURED BALANCE FOLLOWING CONSTRUCTION.
5. RELOCATE RETURN GRILLE PER M1.
6. EXISTING TO REMAIN.

11/3/2017 10:52:16 AM

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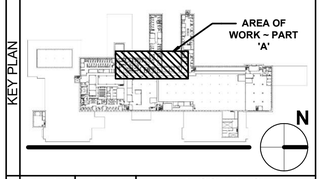
KEY PLAN



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SUB A/E	
CONSTR. CON.	

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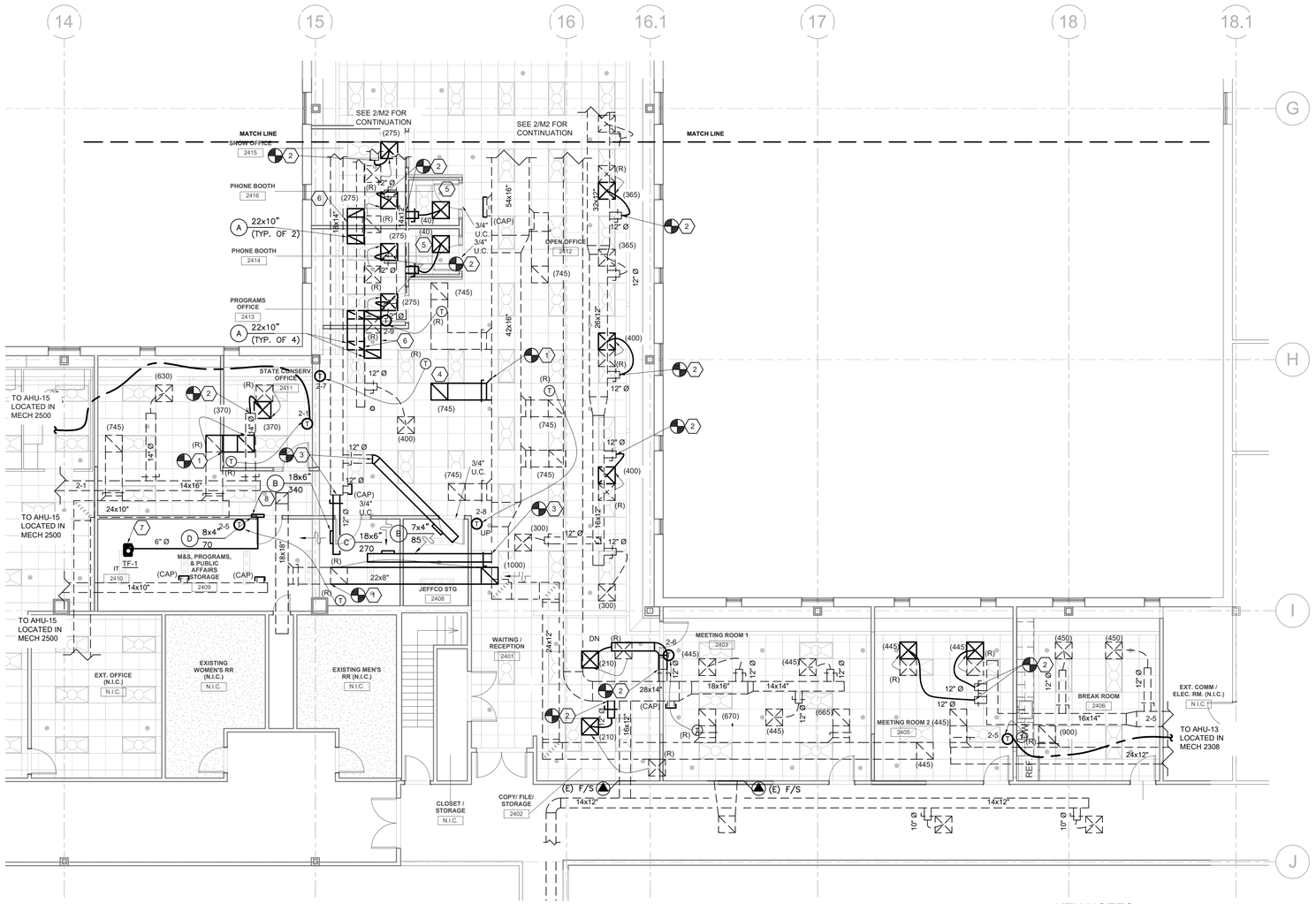
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTIONS DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	MECHANICAL DEMO PLAN PART A
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	JSW DATE DRAFTED: 12/04/2017
CHECKED BY	TCM/DMD SHEET SIZE: 22X34
DRAWING NO.	M D 1
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 18 OF 50



1 M1 MECHANICAL FLOOR PLAN PART A

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

NORTH

KEY NOTES:

1. CONNECT NEW 22x8" DUCT TO EXISTING AND ROUTE TO RELOCATED RETURN GRILLE AS SHOWN.
2. CONNECT NEW 12" Ø DUCT TO EXISTING.
3. CONNECT NEW 12" Ø SPIRAL DUCT TO EXISTING AND ROUTE THROUGH EXPOSED CEILING AREA AS SHOWN.
4. RELOCATED RETURN GRILLE FROM MD1.
5. RELOCATED DIFFUSER FROM MD1.
6. PROVIDE AND INSTALL 22x10" TRANSFER DUCT BETWEEN (2) NEW RETURN AIR GRILLES.
7. PROVIDE AND INSTALL NEW TRANSFER FAN AND SUSPEND FROM STRUCTURE.
8. 6" Ø DUCT FROM TRANSFER FAN DISCHARGE TO WALL MOUNTED GRILLE. MOUNT GRILLE HIGH ON WALL BELOW CEILING LEVEL.

11/3/2017 10:52:16 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
davеanderson@andarch.com

360 Three Sixty Engineering, Inc.
3600 Jackson St. #300 Golden, CO 80403
303.940.2050 303.940.3322-fax
#17-0413A
DMD

CERTIFICATION

COLORADO LICENSED TRAVIS C. MENARD 53449 PROFESSIONAL ENGINEER 7/25/19

KEY PLAN

AREA OF WORK ~ PART 'A'

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTOR

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

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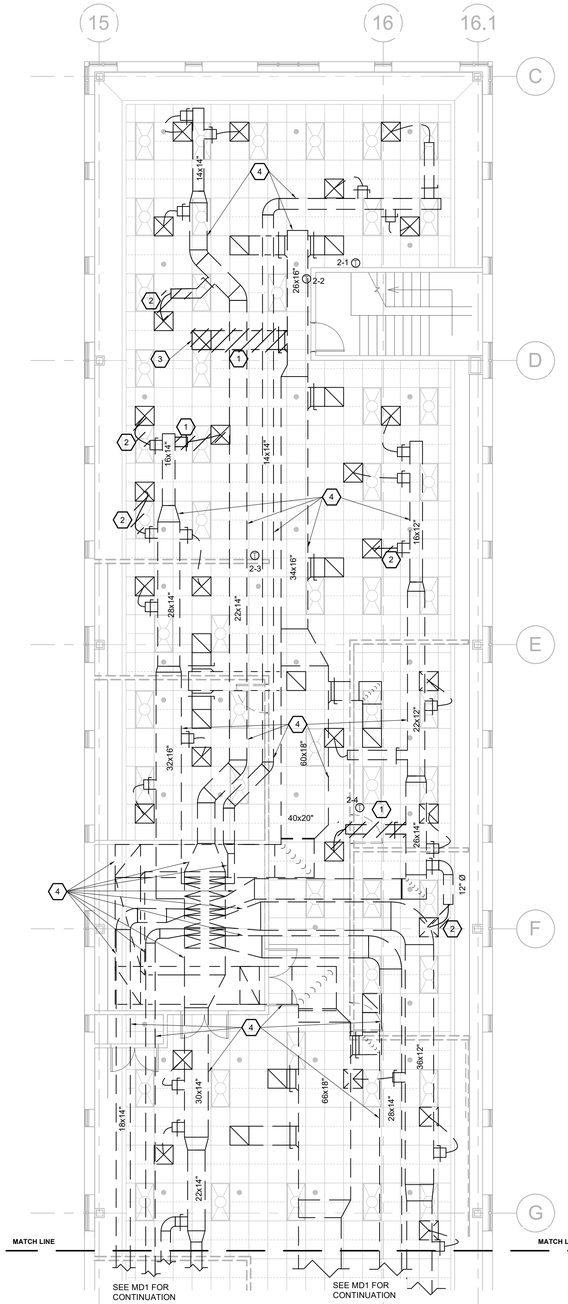
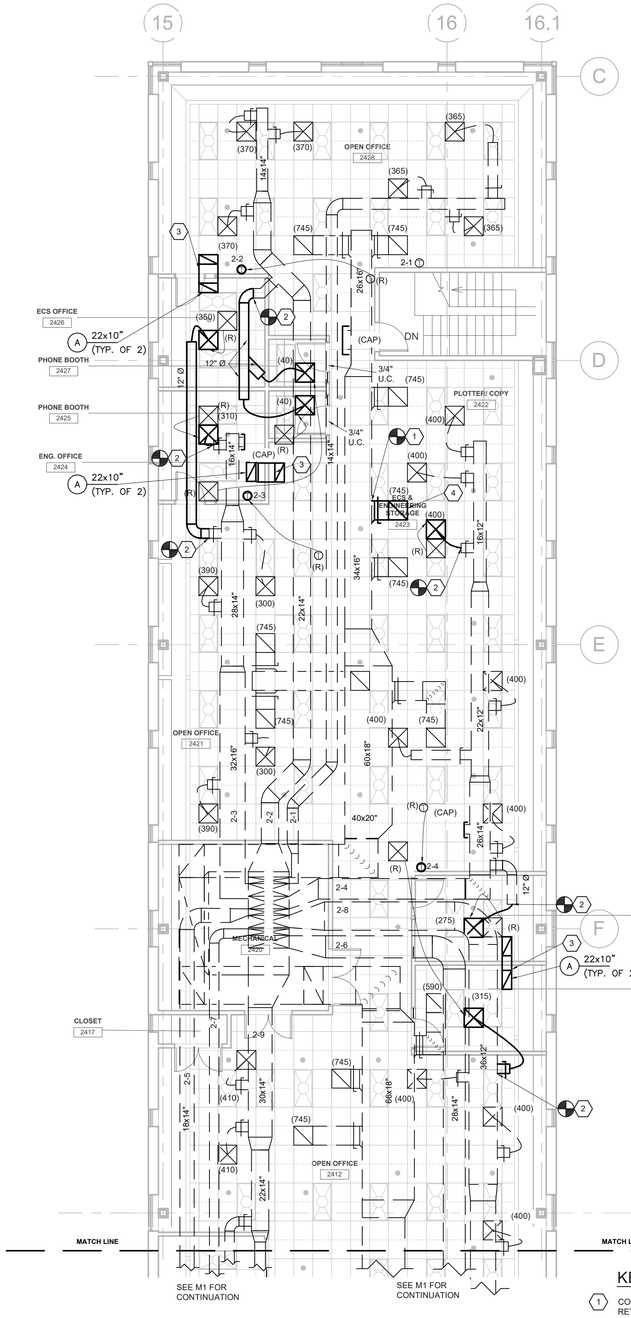
DRAWING TITLE	MECHANICAL FLOOR PLAN PART A
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	JSW DATE DRAFTED: 12/04/2017
CHECKED BY	TCM/DMD SHEET SIZE: 22X34
DRAWING NO.	M 1 (DISCIPLINE SHEET TYPE SEQUENCE)
	SHEET 19 OF 50





DEMO NOTES:

1. DEMO DUCT BACK AND CAP AS SHOWN.
2. DEMO DUCT BACK AS NEEDED FOR NEW DUCT CONNECTION PER 2/M2.
3. RELOCATE RETURN GRILLE PER 2/M2.
4. EXISTING TO REMAIN.

KEY NOTES:

1. CONNECT NEW 22x8" DUCT TO EXISTING AND ROUTE TO RELOCATED RETURN GRILLE AS SHOWN.
2. CONNECT NEW 12" Ø DUCT TO EXISTING.
3. PROVIDE AND INSTALL 22x10" TRANSFER DUCT BETWEEN (2) NEW RETURN AIR GRILLES .
4. RELOCATED RETURN GRILLE FROM 1/M2.

1/M2 MECHANICAL DEMO PLAN PART B
SCALE: 1/8" = 1'-0"

2/M2 MECHANICAL FLOOR PLAN PART B
SCALE: 1/8" = 1'-0"

NORTH

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Project Manager
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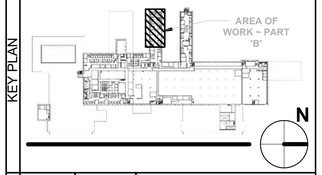
KEY PLAN



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PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

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SUBMISSION	100% CONSTRUCTIONS DOCUMENTS
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DRAWING

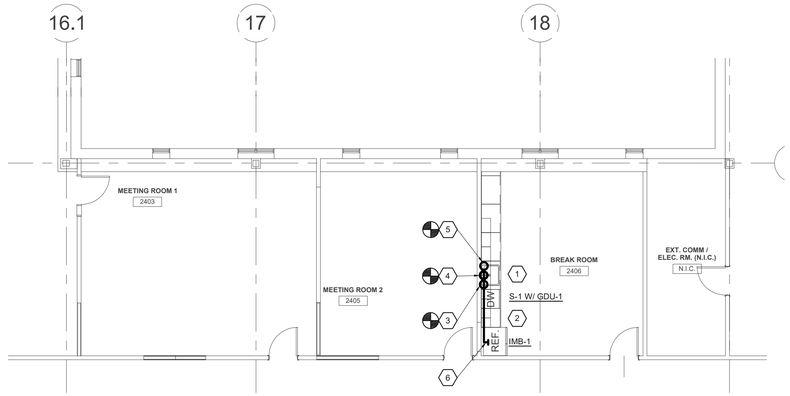
DRAWING TITLE	MECHANICAL FLOOR PLAN PART B
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	JSW DATE DRAFTED: 12/04/2017
CHECKED BY	TCM/DMD SHEET SIZE: 22X34
DRAWING NO.	M 2
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 20 OF 50

KEY NOTES:

1. PROVIDE AND INSTALL NEW SINK WITH GARBAGE DISPOSAL WITH 1/2" CW, 1/2" HW, 2" W AND 1-1/2" V CONNECTIONS.
2. PROVIDE 1/2" HW CONNECTION TO NEW DISHWASHER AND ROUTE DISHWASHER DRAIN TO GARBAGE DISPOSAL THROUGH CODE APPROVED AIRGAP.
3. CONNECT NEW 3/4" HW LINE TO EXISTING HW LINE SERVED BY EXISTING WATER HEATER SERVING WOMEN'S RESTROOM ON FIRST FLOOR (ABOUT 15' AWAY FROM BREAK ROOM) AND ROUTE UP TO BREAK ROOM TO SERVE NEW FIXTURES. PROVIDE NEW LINE WITH BALL VALVE FOR ISOLATION. CONTRACTOR TO CONFIRM EXACT LOCATION OF WATER HEATER IN FIELD.
4. CONNECT NEW 2" W AND 1-1/2" V LINES TO EXISTING W/V LINES SERVING FIRST FLOOR RESTROOMS (ABOUT 15' AWAY FROM BREAK ROOM). CONTRACTOR TO VERIFY EXACT LOCATIONS OF MAIN W/V LINES IN FIELD.
5. CONNECT NEW 1/2" CW LINE TO EXISTING CW MAIN ON FIRST FLOOR (ABOUT 15' AWAY FROM BREAK ROOM) AND ROUTE UP TO SERVE NEW SINK. PROVIDE NEW LINE WITH BALL VALVE FOR ISOLATION. CONTRACTOR TO CONFIRM EXACT LOCATION OF CW MAIN IN FIELD.
6. PROVIDE AND INSTALL ICE MAKER BOX WITH 1/2" CW CONNECTION. PROVIDE CW SUPPLY LINE WITH AUTOMATIC WATER SHUT-OFF VALVE AND WIRELESS LEAK DETECTION. PROVIDE ACCESS PANEL IN WALL FOR AUTOMATIC SHUT-OFF VALVE.

PLUMBING LEGEND

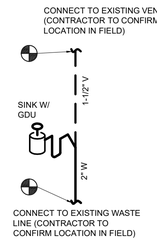
	COLD WATER
	HOT WATER
	VENT
	WASTE



1 PLUMBING FLOOR PLAN
P1 SCALE: 1/8" = 1'-0"

NORTH

2 SINK WASTE + VENT ISOMETRIC
P1 SCALE: NOT TO SCALE



PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL NUMBER	FINISH	MANUFACTURER	MODEL NUMBER	FINISH	GPM/GPF	ELECTRICAL	REMARKS
S-1	SINK- DOUBLE COMPARTMENT (ADA)	JUST	DL-ADA-1933-A-GR	STAINLESS STEEL (18 GA)	DELTA	100LF-HDF	CHROME	1.5	-	1,2,3,4
IMB-1	ICE MAKER BOX	SIOUX CHIEF	696-G1010MF	WHITE	WATERCOP	Z-WAVE	-	-	110/1/60	5,6
GDU-1	GARBAGE DISPOSAL UNIT	INSINKERATOR	BADGER 5	-	-	-	-	-	120/60/1 1/2 HP	

REMARKS:
1. 17 GA. P-TRAP, LOOSE KEY ANGLE STOPS, STAINLESS STEEL BRAIDED SUPPLIES
2. PROVIDE LEONARD #270-LF MIXING VALVE UNDER FIXTURE. (ASSE 1070 RATED)
3. PROVIDE WITH TRUEBRO #103 E-Z P-TRAP AND SUPPLIES INSULATION KIT
4. 6" DEEP BOWL, REAR DRAIN LOCATION
5. WITH "AA" WATER HAMMER ARRESTERS
6. AUOTMATIC WATER SHUT-OFF VALVE WITH WIRELESS LEAK DETECTION SENSOR

11/3/2017 10:52:16 AM

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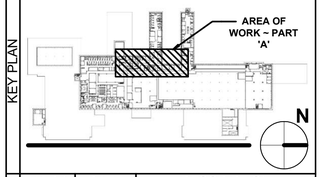
KEY PLAN



REVISION NOTES

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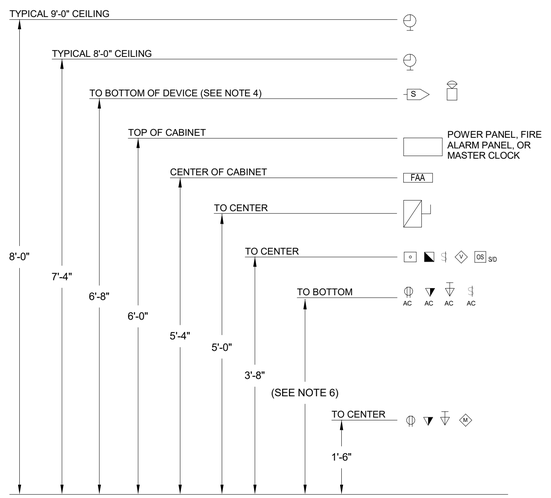
DRAWING

DRAWING TITLE	PLUMBING FLOOR PLAN
FILE NAME	
FLOOR NO.	2ND FLOOR
DRAWN BY	JSW
DATE DRAFTED:	12/04/2017
CHECKED BY	TCM/DMD
SHEET SIZE:	22X34
DRAWING NO.	P 1
DISCIPLINE SHEET TYPE SEQUENCE	
SHEET	21 OF 50

SHEET LIST

SHEET		REVISION	
NUMBER	NAME	DATE	DESCRIPTION
E 0 00	ELECTRICAL COVER SHEET		
E 0 01	ELECTRICAL COVER SHEET		
E 2 01	ELECTRICAL POWER PLAN - AREA A		
E 2 02	ELECTRICAL POWER PLAN - AREA B		
E 2 03	ELECTRICAL POWER PLAN - AREA C		
E 2 04	ELECTRICAL POWER PLAN - AREA D		
E 3 01	ELECTRICAL LIGHTING PLAN - AREA A		
E 3 02	ELECTRICAL LIGHTING PLAN - AREA B		
E 3 03	ELECTRICAL LIGHTING PLAN - AREA C		
E 6 00	ELECTRICAL ONE LINE DIAGRAM		
E 7 00	ELECTRICAL SCHEDULES		
E 7 10	ELECTRICAL PANEL SCHEDULES		
E 7 11	ELECTRICAL PANEL SCHEDULES		
ED 2 01	ELECTRICAL DEMO POWER PLAN - AREA A		
ED 2 02	ELECTRICAL DEMO POWER PLAN - AREA B		
ED 2 03	ELECTRICAL DEMO POWER PLAN - AREA C		
ED 3 01	ELECTRICAL DEMO LIGHTING PLAN - AREA A		
ED 3 02	ELECTRICAL DEMO LIGHTING PLAN - AREA B		
ED 3 03	ELECTRICAL DEMO LIGHTING PLAN - AREA C		



NOTES:

1. WHERE MULTIPLE LINE VOLTAGE DEVICES ARE SHOWN ADJACENT TO EACH OTHER, THEY ARE ALL TO SHARE THE SAME JUNCTION BOX, UP TO FOUR GANGS.
2. WHERE MORE THAN FOUR DEVICES ARE SHOWN ADJACENT TO EACH OTHER, DEVICES ARE TO STACK VERTICALLY ABOVE ONE ANOTHER IN TWO ROWS IN AS SMALL OF GANG BOXES AS POSSIBLE. I.E. SIX DEVICES WILL USE TWO THREE GANG BOXES, FIVE DEVICES WILL USE ONE THREE GANG AND ONE TWO GANG BOX.
3. SEPARATELY GANGED DEVICES ARE NOT ALLOWED TO BE INSTALLED ADJACENT TO ONE ANOTHER HORIZONTALLY WITHIN THE SAME STUD BAY.
4. AUDIBLE/VISUAL FIRE ALARM DEVICES SHOWN ARE TO BE MOUNTED AT 90" OR 6" BELOW CEILING, WHICHEVER IS LOWER. ADA STROBES TO BE MOUNTED AT 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER.
5. MAXIMUM ELEVATION FOR ALL LOAD CENTER CIRCUIT BREAKERS SHALL NOT EXCEED 48" AFF, WITHIN DWELLING UNITS.
6. THE E.C. SHALL REFER TO ARCHITECTURAL ELEVATIONS TO COORDINATE ALL COUNTER HEIGHTS. ALL "AC" DEVICES SHALL HAVE BOTTOM OF BACK-BOX MOUNTED 4" ABOVE THE BACK/SIDE SPLASH.

1 DEVICE MOUNTING HEIGHT
NTS

COVERSHEET NOTES

1	THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE AND FUNCTIONING ELECTRICAL SYSTEM.
2	MATERIALS AND INSTALLATION SHALL COMPLY WITH CODES, LAWS AND ORDINANCES OF FEDERAL, STATE AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
3	MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA OR ANOTHER RECOGNIZED TESTING LAB.
4	ALL WORK REQUIRED FOR THE INSTALLATION AS SHOWN ON DRAWINGS INCLUDING LABOR, EQUIPMENT AND MATERIALS SHALL BE IN STRICT COMPLIANCE WITH THE BUILDING STANDARDS, EXCEPT AS NOTED OTHERWISE.
5	THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE ELECTRICAL WORK.
6	THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES AND UTILITY COMPANIES SHOP DRAWINGS, WHICH ARE REQUIRED BY THESE AGENCIES, FOR THEIR APPROVAL.
7	THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/OWNER/CONTRACT OFFICER OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
8	FOR ALL JOBS THAT INCLUDE DEMOLITION WORK BY THE ELECTRICAL CONTRACTOR, DURING AND AFTER DEMOLITION, EC SHALL MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING DEVICES THAT ARE TO REMAIN. EC SHALL REMOVE, RELOCATE, AND/OR REWORK ANY CONDUIT AND WIRING TO FACILITATE THE NEW CONSTRUCTION SCOPE OF WORK. FOR A LUMINAIRES THAT ARE EXISTING TO REMAIN OR EXISTING TO BE RELOCATED, EC SHALL CLEAN LENSES AND REPLACE ALL EXTINGUISHED LAMPS, UON.
9	THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.
10	ALL MATERIALS, AND EQUIPMENT SHALL BE ERECTED, INSTALLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
11	ALL CUTTING, DRILLING AND PATCHING OF MASONRY, STEEL OR IRON WORK BELONGING TO THE BUILDING MUST BE DONE BY THIS CONTRACTOR IN ORDER THAT HIS WORK MAY BE PROPERLY INSTALLED, BUT UNDER NO CONDITIONS MAY STRUCTURAL WORK BE CUT, EXCEPT AT THE DIRECTION OF THE ARCHITECT-DESIGNER OR THEIR REPRESENTATIVE.
12	E.C. IS TO REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ALL FIRE RATED PENETRATION INSTALLATION REQUIREMENTS. E.C. IS TO NOTIFY ENGINEER AND ARCHITECT PRIOR TO INSTALLING ANY FIXTURES WITHIN A FIRE RATED CEILING OR WALL. FIRE RATING MUST BE MAINTAINED FOR THIS TYPE OF INSTALLATION WITH DRYWALL TENTING.
13	E.C. SHALL PROVIDE COORDINATION STUDY OF NEW AND/OR NEW GEAR COMBINED WITH EXISTING GEAR DURING THE SUBMITTAL PROCESS.
14	SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS, FOR EXAMPLE, ALL LIGHTING FIXTURES, PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
15	SUBMIT (3) COPIES OF THE FOLLOWING SHOP DRAWINGS FOR REVIEW.
	A. PANELBOARDS
	B. DISCONNECTS
	C. FIRE ALARM SYSTEMS
	D. LIGHT FIXTURES
	E. LIGHTING CONTROLS
	F. PROVIDE "AS-BUILT" DRAWINGS AND SUBMIT TO ARCHITECT/DESIGNER.
16	PROVIDE THE FOLLOWING INFORMATION, PER IECC 2015 C408.2.5.2 TO THE PARTY RESPONSIBLE FOR PROJECT COMMISSIONING PLAN (COMMISSIONING AGENT/ MECHANICAL ENGINEER) AND ELECTRICAL ENGINEER.
	A. CUTSHEETS FOR ALL INSTALLED LIGHTING AND LIGHTING CONTROLS.
	B. OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF INSTALLED LIGHTING, REQUIRED ROUTINE MAINTENANCE ACTIONS, CLEANING AND RECOMMENDED RELAMPING SHALL BE CLEARLY IDENTIFIED.
	C. SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS. INSPECTION OF ALL LIGHTING CONTROLS SHALL BE PERFORMED PRIOR TO ELECTRICAL ENGINEER'S COMMISSIONING SITE VISIT. RECALIBRATION OF LIGHTING CONTROLS SHALL BE PERFORMED FOLLOWING SITE VISIT AND SHALL BE BASED UPON THE RECOMMENDATIONS OF THE ELECTRICAL ENGINEER.
17	ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW, UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED.
18	CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS. ELECTRICAL CONTRACTOR IS TO SUBMIT A COMPLETE CONSTRUCTION DRAWING SET TO THE ELECTRICAL UTILITY COMPANY WITHIN 10 DAYS OF AWARD OF CONTRACT. COORDINATE TIMELINE OF THE REVIEW, APPROVAL, ALL ASSOCIATED DOWN TIME, CONSTRUCTION SCHEDULING, DELIVERY, AND INSTALLATION OF THE UTILITY TRANSFORMER. NOTIFY OWNER OF SCHEDULING CONFLICTS.
19	ALL NEW CIRCUIT BREAKERS FOR NEW OR EXISTING PANELBOARDS SHALL MATCH EXISTING BUILDING PANELBOARD MANUFACTURER AND BREAKER TYPE. THE CONTRACTOR SHALL PROVIDE NEW TYPE WRITTEN PANEL DIRECTORIES FOR ALL NEW PANELS AND EXISTING PANELS WHICH HAVE CHANGED. PANELBOARD SHALL BE MARKED WHERE THE SOURCE OF POWER SUPPLY ORIGINATES, AND IF SERIES COMBINATION SYSTEMS ARE UTILIZED AND THEIR LISTED AMPERE RATING.
20	DO NOT SHARE NEUTRAL CONDUCTORS FOR MULTIWIRE BRANCH CIRCUITS. WHERE THE E.C. PROPOSES THE USE OF SHARED NEUTRAL CONDUCTORS OR SHARED NEUTRAL CONDUCTORS ARE REQUIRED (SUCH AS POWERED FURNITURE SYSTEMS), HANDLE TIES SHALL BE PROVIDED ON THE CIRCUIT BREAKERS, WITH SHARED NEUTRALS, SUCH THAT IT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS. ALL HANDLE TIES ARE REQUIRED TO BE INDICATED ON THE PANELBOARD SHOP DRAWINGS.
21	SHOULD ACTUAL FIELD CONDITIONS REQUIRE INDICATED CIRCUIT DESIGNATIONS TO VARY, INDICATE THE CIRCUIT NUMBER USED ON THE "AS-BUILT" DRAWINGS.
22	ALL SERVICE EQUIPMENT (OTHER THAN IN DWELLING UNITS) SHALL BE LEGIBLY MARKED IN THE FIELD BY THE ELECTRICAL CONTRACTOR WITH THE MAXIMUM AVAILABLE FAULT CURRENT AS INDICATED WITHIN THESE DOCUMENTS. THE FIELD MARKING(S) SHALL COMPLY WITH ELECTRICAL SPECIFICATIONS FOR READABILITY AND DURABILITY.
23	PROVIDE COMPLETE METAL RACEWAY SYSTEMS AND ENCLOSURES FOR ALL WIRING THROUGHOUT THE EXTENT OF THE REQUIRED DISTRIBUTION SYSTEM.
	A. UTILIZE ELECTRICAL METALLIC TUBING (EMT), MINIMUM SIZE OF 3/4", IN THE FOLLOWING LOCATIONS:
	- POWER CIRCUIT HOMERUN
	- BRANCH CIRCUITS IN CONCEALED OR EXPOSED LOCATIONS
	- TELEPHONE/DATA/CATV ROUGH-IN
	C. UTILIZE METAL-CLAD CABLE (MC) IN THE FOLLOWING LOCATIONS:
	- BRANCH CIRCUIT IN CONCEALED LOCATIONS
	- FINAL CONNECTION TO RECESSED LIGHTING FIXTURES
24	ALL NEW CIRCUITS SHALL HAVE A GROUND WIRE INSTALLED.
25	ALL WIRING NOT INSTALLED IN CONDUIT AND INSTALLED IN THE CEILING SPACE SHALL BE PLENUM RATED.
26	ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SPECIAL OUTLET BOXES THAT MAY BE REQUIRED TO ENCLOSE RECEPTACLES.

COVERSHEET NOTES

27	EACH SWITCH, LIGHT, RECEPTACLE AND OTHER MISCELLANEOUS DEVICE SHALL BE PROVIDED WITH A GALVANIZED OR PRESSED STEEL OUTLET BOX OF THE KNOCKOUT TYPE, OF NOT LESS THAN NO. 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCKNUTS AND BUSHINGS AND ALL UNUSED KNOCKOUTS MUST BE LEFT SEALED. THERE MUST BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
28	IN EXPOSED AND SUSPENDED CEILING APPLICATIONS, ROUTE CONDUIT AS CLOSE TO STRUCTURAL SLAB OR DECK AS POSSIBLE, AND SUPPORT CONDUIT AND JUNCTION BOXES DIRECTLY FROM THE STRUCTURAL SLAB, DECK, OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SYSTEM.
29	ALL EXPOSED CONDUIT SHALL BE CONCEALED TO THE GREATEST EXTENT POSSIBLE, AND SHALL BE INSTALLED PARALLEL AND CLOSE TO STRUCTURAL MEMBERS. GENERAL CONTRACTOR SHALL MATCH CONDUIT TO ADJACENT FINISHES.
30	WHERE FLOOR FITTINGS REQUIRE PENETRATION OF THE FLOOR SLAB, THEY SHALL BE STANDARD DEVICE LISTED BY UL FOR THE PURPOSE AND HAVE A UL FIRE RATING EQUAL TO THE FLOOR RATING. FLOOR SERVICE BOXES SHALL BE MODULAR, ADJUSTABLE FLUSH TYPE, DUAL SERVICE UNITS SUITABLE FOR WIRING METHOD USED. COMPARTMENT BARRIERS SHALL SEPARATE POWER FROM LOW VOLTAGE CABLING. PROVIDE RECTANGULAR SERVICE PLATE WITH SATIN FINISH.
31	ALL RECEPTACLES SHALL BE SPECIFICATION GRADE NEMA 5-20R, UNLESS OTHERWISE NOTED.
32	ALL LIGHT SWITCHES SHALL BE SPECIFICATION GRADE, QUIET OPERATION RATED 120/277 VOLT, 20 AMPS, UNLESS OTHERWISE NOTED.
33	ALL FACE PLATE AND DEVICE COLORS SHALL BE APPROVED BY CONTRACT OFFICER.
34	PROVIDE LUMINAIRES SHOWN AS SHADED WITH EMERGENCY BATTERY BALLASTS. EMERGENCY LUMINAIRES SHALL SENSE UNSWITCHED POWER TO THE SPACE AND OPERATED AUTOMATICALLY UPON LOSS OF NORMAL POWER. ALL SHADED LUMINAIRES WITH 2' AND 4' LAMPS SHALL HAVE ONE (1) 90 MINUTE, TWO LAMP, 1400 LUMEN EMERGENCY BALLAST. ALL SHADED LUMINAIRES WITH COMPACT LEDS SHALL HAVE A FACTORY INSTALLED 90 MINUTE EMERGENCY BALLAST. ALL EMERGENCY LUMINAIRES SHALL HAVE REMOTE TEST SWITCHES AND VISIBLE INDICATING LIGHTS. CONNECT THE EMERGENCY BATTERY BALLAST TO THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT INDICATED.
35	ALL BATTERY BACKUP EMERGENCY LIGHTING AND EXIT LIGHTS SHALL BE WIRED AHEAD OF ANY LOCAL SWITCHING, UON.
36	UNLESS OTHERWISE NOTED, LUMINAIRES DESIGNATED AS NIGHT LIGHT (NL) SHALL BE CONNECTED AHEAD OF LOCAL SWITCHING AND REMAIN ON 24 HOURS A DAY.
37	ALL DIMMED LIGHTING CIRCUITS ARE TO RECEIVE DEDICATED NEUTRALS. DO NOT SHARE NEUTRALS ON DIMMED LIGHTING CIRCUITS.
38	WHERE DUAL LEVEL SWITCHING IS INDICATED, THE SWITCH CLOSEST TO THE DOOR SHALL CONTROL ALL OUTER LAMPS IN THE INDICATED LUMINAIRE AND THE ADJACENT SWITCH SHALL CONTROL ALL INNER LAMP(S) IN THE INDICATED LUMINAIRES, UON.
39	PROVIDE OWNER WITH A COMPLETE LISTING OF ALL LAMPS UTILIZED ON THE PROJECT INCLUDING MANUFACTURER AND CATALOG INFORMATION. PROVIDE A SUGGESTED SOURCE, INCLUDING CONTACT NAME AND PHONE NUMBER, FOR REORDERING.
40	THE CONTRACTOR SHALL VERIFY THE CEILING TYPE BEFORE ORDERING LIGHTING.
41	ROUGH-IN FOR MECHANICAL EQUIPMENT SHALL ONLY OCCUR AFTER MECHANICAL EQUIPMENT SUBMITTALS ARE THOROUGHLY REVIEWED FOR CHANGES. NOTIFY ENGINEER OF ANY DISCREPANCIES.
42	FINAL LAYOUT AND QUANTITY OF ALL FIRE ALARM DEVICES SUBJECT TO APPROVAL OF LOCAL AUTHORITY HAVING JURISDICTION.
43	THE POWER AND CONTROL REQUIREMENTS FOR ALL EQUIPMENT CONNECTIONS SHALL BE CONFIRMED WITH APPROVED SHOP DRAWINGS PRIOR TO ELECTRICAL ROUGH-IN. FINAL POWER REQUIREMENTS, DIMENSIONED ROUGH-IN LOCATIONS, LOW VOLTAGE SYSTEM CONNECTIONS, ETC. SHALL BE CONFIRMED AND MODIFIED AS REQUIRED.
44	ALL DEVICES IN OR ABOVE COUNTERS SHALL HAVE LOCATIONS AND MOUNTING HEIGHTS CONFIRMED WITH ARCHITECTURAL ELEVATIONS & OWNER PRIOR TO ROUGH-IN. ANY ADJUSTMENTS TO MOUNTING HEIGHTS REQUIRED BY LACK OF COORDINATION WILL BE AT THE CONTRACTOR'S EXPENSE.
45	ALL EXISTING ELECTRICAL SERVICES NOT SPECIFICALLY INDICATED TO BE REMOVED OR ALTERED SHALL REMAIN AS THEY PRESENTLY EXIST.
46	G.C. SHALL INCLUDE IN HIS COST THE REMOVAL OF ALL EXISTING ELECTRICAL DEVICES, CONDUITS, FIXTURES AND EQUIPMENT. TURN EQUIPMENT OVER TO OWNER AS INDICATED OR RECYCLE/DISCARD ALL EQUIPMENT AS REQUIRED. E.C. SHALL BE RESPONSIBLE FOR DISCONNECTING PRIMARY SERVICE AND TEMPORARY POWER.
47	WHERE EXISTING CEILINGS ARE REVISED FROM ACCESSIBLE TO NON-ACCESSIBLE, CONTRACTOR IS TO INCLUDE IN HIS BID THE COSTS ASSOCIATED WITH RELOCATING ALL ELECTRICAL EQUIPMENT REQUIRING ACCESS ABOVE THE EXISTING CEILING TO A NEW ACCESSIBLE CEILING LOCATION APPROVED BY ARCHITECT AND ENGINEER. THE USE OF ACCESS PANELS IN THE NEW CEILING TO AVOID RELOCATION OF THIS EQUIPMENT IS NOT ACCEPTABLE.
48	CONTRACTOR TO CONDUCT FUNCTIONAL TESTING OF LIGHTING CONTROLS EQUIPMENT AS REQUIRED BY IECC 2012/2015, SECTION C408.3. AFTER THIS TESTING IS OBSERVED AND COMPLETED, THE REGISTERED DESIGN PROFESSIONAL OR COMMISSIONING AUTHORITY SHALL PROVIDE DOCUMENTATION TO THE AHJ THAT CERTIFIES THAT THE INSTALLATION MEETS THE DOCUMENTED PERFORMANCE CRITERIA OF SECTION C405.

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
davеanderson@andarch.com

CERTIFICATIONS
COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	ELECTRICAL COVER SHEET
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 0 00

DISCIPLINE SHEET TYPE SEQUENCE

SHEET 22 OF 50

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DISTRIBUTION AND RACEWAY

MDC	MAIN DISTRIBUTION CENTER (MDC)
	SURFACE MTD PANELBOARD
	RECESSED PANELBOARD
T	TRANSFORMER
	BRANCH CIRCUIT HOMERUN
	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
	CONDUIT EXPOSED OR CONCEALED IN WALL OR CEILING
	RACEWAY UP
	RACEWAY DOWN
	CAPPED CONDUIT
	CURRENT TRANSFORMER
	CIRCUIT BREAKER SWITCH
	FUSED SWITCH
	GROUNDING ELECTRODE CONDUCTOR
M	METER

FIRE ALARM

FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR/GRAPHIC MAP
FA-RPS	FIRE ALARM REMOTE POWER SUPPLY
C	CONTROL MODULE
M	MONITOR MODULE
	MANUAL PULLDOWN STATION
S	WALL MOUNTED ADA STROBE
	ADA HORN OR SPEAKER WITH STROBE
	MINI HORN / STROBE
MH	ELECTROMAGNETIC DOOR HOLD OPEN
FS	SPRINKLER FLOW SWITCH
TS	SPRINKLER TAMPER SWITCH
T	THERMAL DETECTOR
S	PHOTOELECTRIC SMOKE DETECTOR
	DUCT SMOKE DETECTOR, SUPPLY OR RETURN
TS	REMOTE INDICATING LIGHT (TEST SWITCH)
D	120V. MOTORIZED SMOKE DAMPER
RA	RESCUE ASSISTANCE PHONE
F	FIRE FIGHTERS PHONE JACK

SYSTEMS

	TTB, MDF OR IDF SYSTEM BACKBOARD
WAP	BISCUIT-TYPE TELECOM OUTLET ABOVE CEILING WITH 10'FT SERVICE LOOP. QTY (1) CABLE/PORT TERMINATION
#	TELECOMMUNICATION OUTLET (NUMBER BESIDES SYMBOL INDICATES QTY OF TERMINATED CABLES/PORTS)
#	FLOOR MOUNTED TELECOMMUNICATION OUTLET (NUMBER BESIDES SYMBOL INDICATES QTY OF TERMINATED CABLES/PORTS)
	TELEVISION OUTLET
S	SPEAKER - PAGING AND OR SOUND SYSTEM - INDICATES SPEAKER ZONE
M	MICROPHONE OUTLET
V	VOLUME CONTROL
	PUSH BUTTON
	CLOSED CIRCUIT TELEVISION CAMERA
	CABLE TRAY (LENGTH AS INDICATED ON DRAWINGS)

LIGHTING FIXTURES

A a	LUMINAIRE TYPE, REFERENCING LUMINAIRE SCHEDULE, TYPICAL ALL FIXTURES. SUBSCRIPT, IF SHOWN, REFERENCES WALL SWITCH.
	WALL MOUNTED LUMINAIRE
	SURFACE MOUNTED LUMINAIRE
	RECESSED LUMINAIRE
	DOWNLIGHT LUMINAIRE
	SURFACE CEILING LUMINAIRE
	PENDANT LUMINAIRE
	WALLWASH LUMINAIRE
	STRIP LUMINAIRE
	SURFACE OR PENDANT TRACK LUMINAIRE
	LINEAR PENDANT LUMINAIRE (LENGTH AS INDICATED ON DRAWINGS/SCHEDULE)
	EXIT LUMINAIRE - SHADED INDICATES FACE/ DIRECTIONAL ARROWS AS SHOWN.
	BATTERY PACK EMERGENCY LUMINAIRE
	EMERGENCY LUMINAIRE - SHADED PROVIDE WITH INTEGRAL BATTERY BACKUP
K	PORCELAIN LAMP HOLDER
	STEP LIGHT TYPE LUMINAIRE
	BOLLARD OR POST TOP LUMINAIRE
	EXTERIOR AREA LIGHT

WIRING DEVICES

	DUPLEX RECEPTACLE
	FOUR PLEX RECEPTACLE
	SINGLE RECEPTACLE
	COMBO RECEPTACLE/SWITCH
	SWITCHED DUPLEX RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE
	FLOOR MOUNTED SPECIAL PURPOSE RECEPTACLE
	FLOOR MOUNTED RECEPTACLE DUPLEX/QUAD
SR	SURFACE RACEWAY
	CLOCK RECEPTACLE
J	JUNCTION BOX
J	WALL MOUNTED J-BOX
J	FLOOR MOUNTED JUNCTION BOX
	MOLDED CASE CIRCUIT BREAKER IN ENCLOSURE
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC CONTROLLER (STARTER)
	COMBINATION STARTER/DISCONNECT SWITCH
HP	MOTOR
R	RELAY
TC	TIME CLOCK
PC	PHOTOCELL
$TO	THERMAL OVERLOAD SWITCH
$	SINGLE POLE SWITCH, LINE VOLTAGE
$3	3-WAY SWITCH, LINE VOLTAGE
$4	4-WAY SWITCH, LINE VOLTAGE
$K	KEY OPERATED SWITCH
$D	DIMMER SWITCH, LINE VOLTAGE
$DOOR	RECESSED DOOR SWITCH
x	LIGHTING CONTROL DEVICE, REFER TO DETAILS FOR CONTROL INTENT

ABBREVIATIONS AND SYMBOLS

A	AMPERE(S)
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERES INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
BFF	BELOW FINISHED FLOOR
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CT	CURRENT TRANSFORMER
DISC	DISCONNECT
DW	DISHWASHER
DWG(S)	DRAWING(S)
(E)	EXISTING TO REMAIN
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
(ER)	EXISTING TO BE RELOCATED
EM	EMERGENCY
EPO	EMERGENCY POWER OFF
EWC	ELECTRIC WATER COOLER
(R)	EXISTING TO BE REMOVED
F	FUSE
FLA	FULL LOAD AMPS
G	GROUND
GC	GENERAL CONTRACTOR
GD	GARBAGE DISPOSAL
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSEPOWER
IDF	INTERMEDIATE DISTRIBUTION FACILITY
IG	ISOLATED GROUND
ISC	SHORT CIRCUIT CURRENT
KVA	KILOVOLT AMPERE(S)
KW	KILOWATT(S)
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPERE(S)
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION CENTER
MDF	MAIN DISTRIBUTION FACILITY
MLO	MAIN LUGS ONLY
MTS	MANUAL TRANSFER SWITCH
MW	MICROWAVE
NC	NORMALLY CLOSED
NL	NIGHT LIGHT - SEE GENERAL NOTES
NO	NORMALLY OPEN
OAE	OR APPROVED EQUAL
OH	OVERHEAD
P	POLE
PART	PARTIAL CIRCUIT
PH	PHASE
PNL	PANEL
RCPT	RECEPTACLE
REF	REFRIGERATOR
(RL)	RELOCATED
SPD	SURGE PROTECTION DEVICE
UC	UNDER COUNTER/CABINET
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT(S)
W	WATT(S) OR WIRE
WG	WIRE GUARD
WP	WEATHERPROOF
XFMR	TRANSFORMER
x x	MECHANICAL EQUIPMENT SCHEDULE NOTATION
x	LIGHTING CONTROL DEVICE
x	DETAIL NOTE
x	DELTA REVISION NOTE
x	ELECTRICAL WIRE SIZE

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | **720.412.2812** Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATIONS

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KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

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CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
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DRAWING

DRAWING TITLE	ELECTRICAL COVER SHEET
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34

DRAWING NO. E 0 01
DISCIPLINE SHEET TYPE SEQUENCE
SHEET 23 OF 50

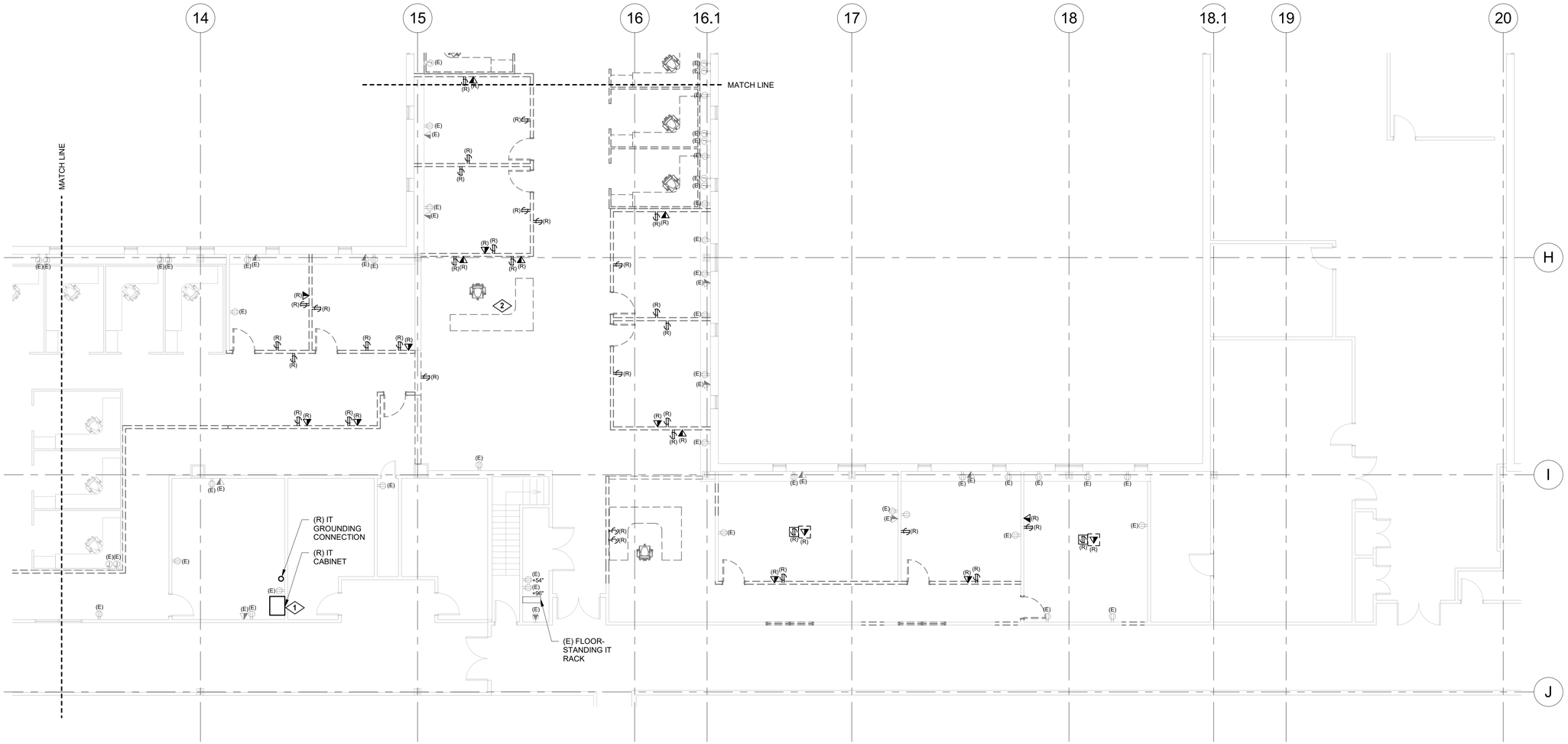
8/8/2019 8:25:29 AM

GENERAL NOTES

A	FOR POWER DEVICES TO BE REMOVED, REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS COMPLETELY BACK TO SOURCE. MARK ASSOCIATED BREAKER AND DIRECTORY AS "SPARE" FOR THE UNUSED CIRCUIT.
B	FOR IT OUTLETS TO BE REMOVED, REMOVE ALL ASSOCIATED RACEWAYS AND CABLING COMPLETELY BACK TO THE IT RACK. REMOVE ANY ASSOCIATED PATCH PANEL PORT LABELING.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
1	REMOVE WALL-MOUNTED IT CABINET AND ASSOCIATED FIBER-OPTIC BACKBONE CABLING BACK TO SOURCE (MDF). RELOCATE ALL RACK COMPONENTS TO NEW IT RACK LOCATION. COORDINATE ALL WORK WITH NRCS IT STAFF PRIOR TO COMMENCING WORK.
2	ALL POWER AND DATA CONNECTIONS ON THE INSIDE OF THE RECEPTION DESK (NOT SHOWN) TO BE REMOVED.



NORTH (1) ELECTRICAL DEMO POWER PLAN - AREA A
1/8" = 1'-0"

8/8/2019 8:25:34 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | **720.412.2812** Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

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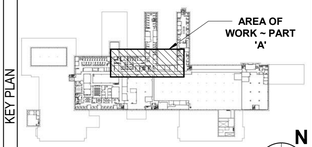
COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

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A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

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SUBMISSION	100% CONSTRUCTION DOCUMENTS
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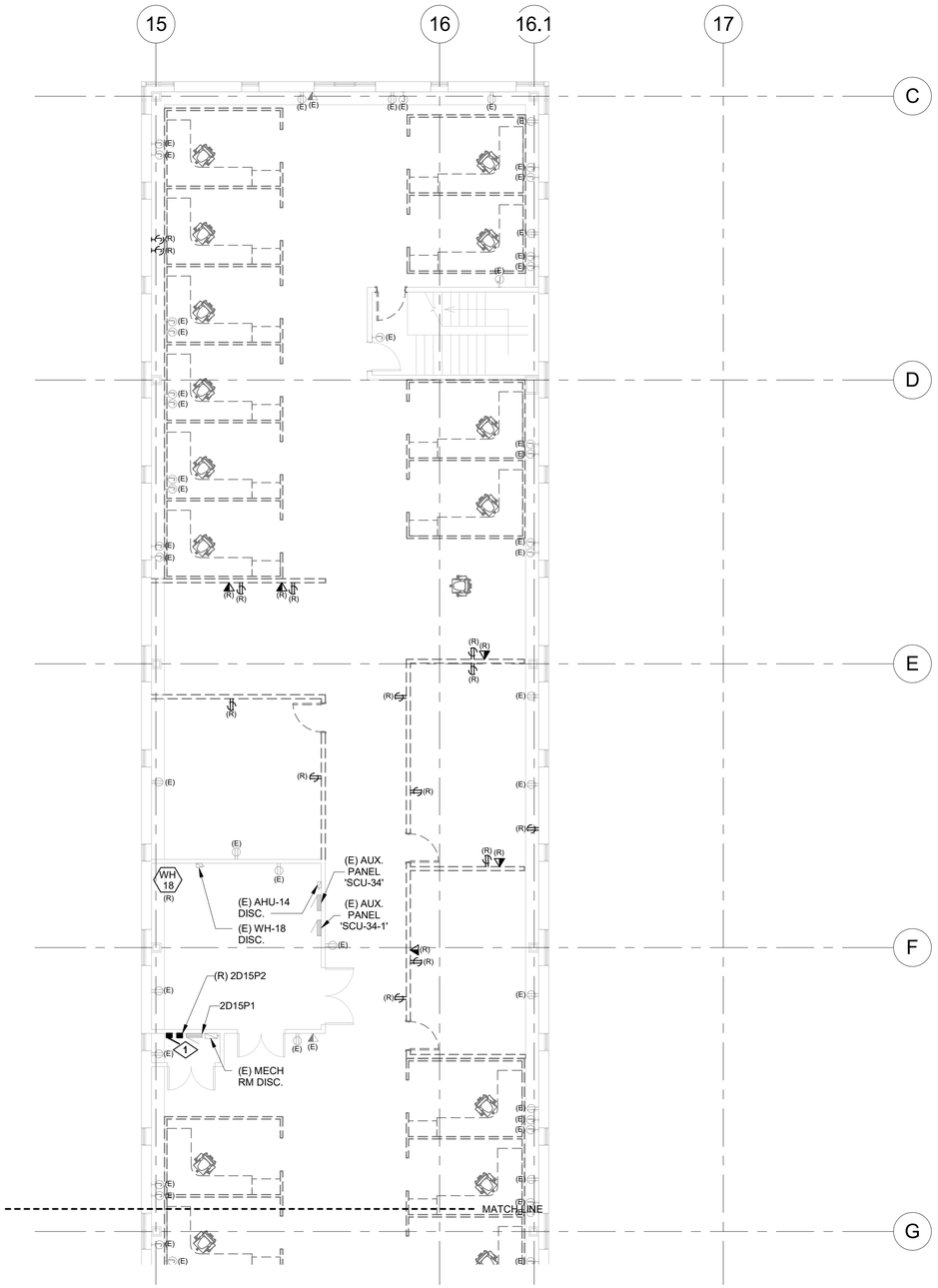
DRAWING

DRAWING TITLE	ELECTRICAL DEMO POWER PLAN - AREA A
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	ED 2 01

DISCIPLINE SHEET TYPE SEQUENCE

SHEET 24 OF 50



NORTH (1) ELECTRICAL DEMO POWER PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES

A	FOR POWER DEVICES TO BE REMOVED, REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS COMPLETELY BACK TO SOURCE. MARK ASSOCIATED BREAKER AND DIRECTORY AS "SPARE" FOR THE UNUSED CIRCUIT.
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Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
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AIA, LEED AP
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CERTIFICATIONS

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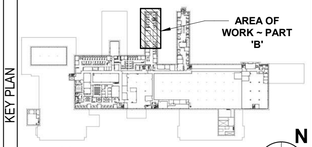
KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
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DRAWING

DRAWING TITLE	ELECTRICAL DEMO POWER PLAN - AREA B
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	ED 2 02
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 25 OF 50

8/8/2019 8:25:35 AM

GENERAL NOTES

A	FOR POWER DEVICES TO BE REMOVED, REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS COMPLETELY BACK TO SOURCE. MARK ASSOCIATED BREAKER AND DIRECTORY AS "SPARE" FOR THE UNUSED CIRCUIT.
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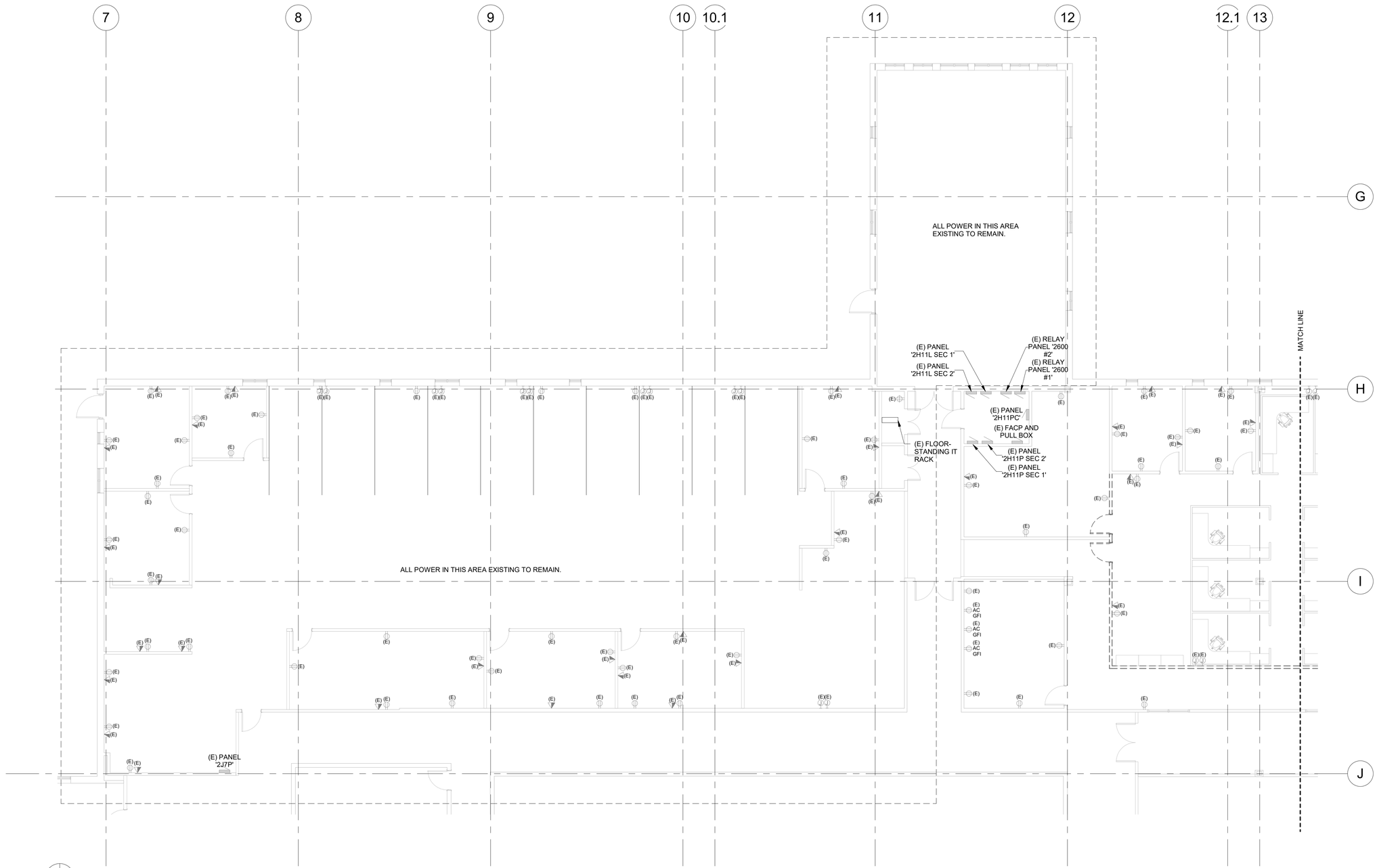

NORTH 1 ELECTRICAL DEMO POWER PLAN - AREA C
1/8" = 1'-0"

8/8/2019 8:25:36 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
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AIA, LEED AP
daveanderson@andarch.com

CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

AREA OF WORK ~ PART 'C'

2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

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A/E TASK NO.	EP-GS-P-08-16-JB-7053
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CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
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BUILDING

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CITY/ST./ZIP	DENVER, COLORADO 80255
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PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
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SUBMISSION	100% CONSTRUCTION DOCUMENTS
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DRAWING

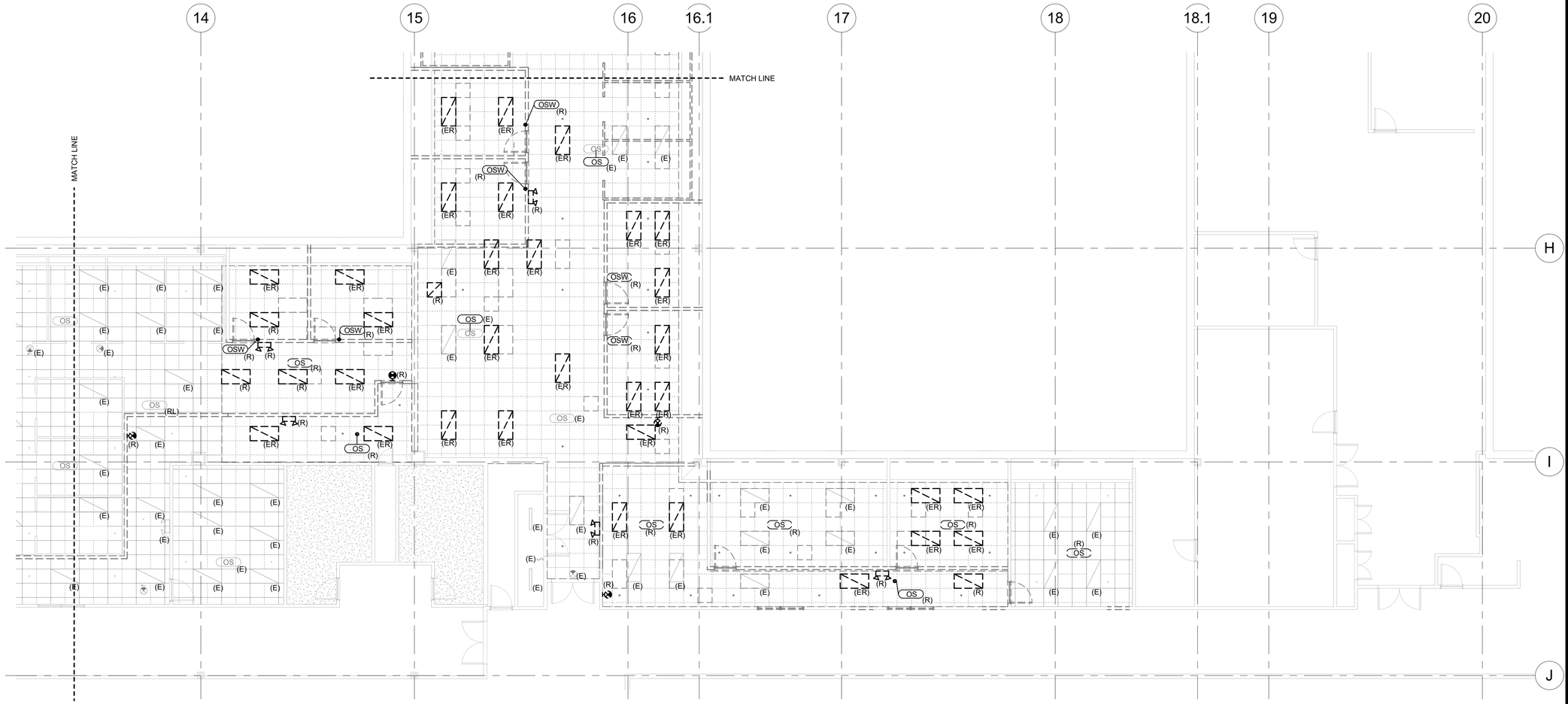
DRAWING TITLE	ELECTRICAL DEMO POWER PLAN - AREA C
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	ED 2 03

DISCIPLINE SHEET TYPE SEQUENCE

SHEET 26 OF 50

GENERAL NOTES

A	LIGHTING ADD/ALTERNATE: REPLACE ALL LAY-IN 2' X 4' FIXTURES INDICATED AS EITHER "(E)" OR "(ER)" ON LIGHTING DEMOLITION DRAWINGS, WITH NEW LED LAY-IN 2' X 4' FIXTURES. REFER TO NEW LIGTHING PLANS FOR LAYOUTS.



NORTH 1 ELECTRICAL DEMO LIGHTING PLAN - AREA A
1/8" = 1'-0"

8/8/2019 8:25:36 AM

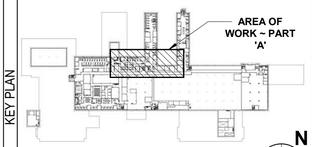
GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

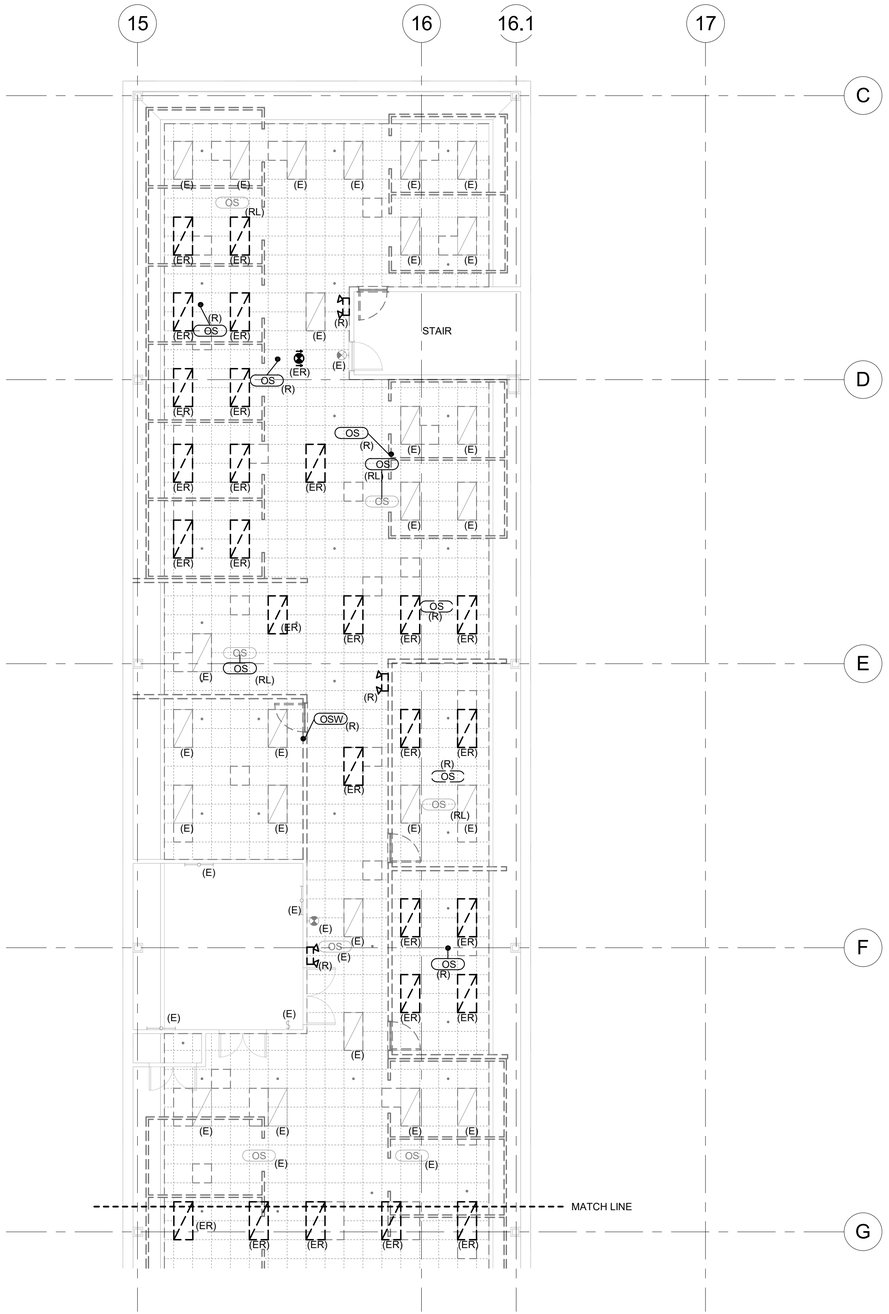
DRAWING TITLE	ELECTRICAL DEMO LIGHTING PLAN - AREA A
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	ED 3 01

DISCIPLINE SHEET TYPE SEQUENCE

SHEET 27 OF 50

GENERAL NOTES

A	LIGHTING ADD/ALTERNATE: REPLACE ALL LAY-IN 2' X 4' FIXTURES INDICATED AS EITHER "(E)" OR "(ER)" ON LIGHTING DEMOLITION DRAWINGS, WITH NEW LED LAY-IN 2' X 4' FIXTURES. REFER TO NEW LIGTHING PLANS FOR LAYOUTS.



NORTH 1 ELECTRICAL DEMO LIGHTING PLAN - AREA B
1/8" = 1'-0"

8/8/2019 8:25:37 AM

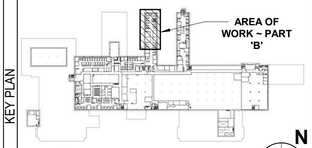
GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

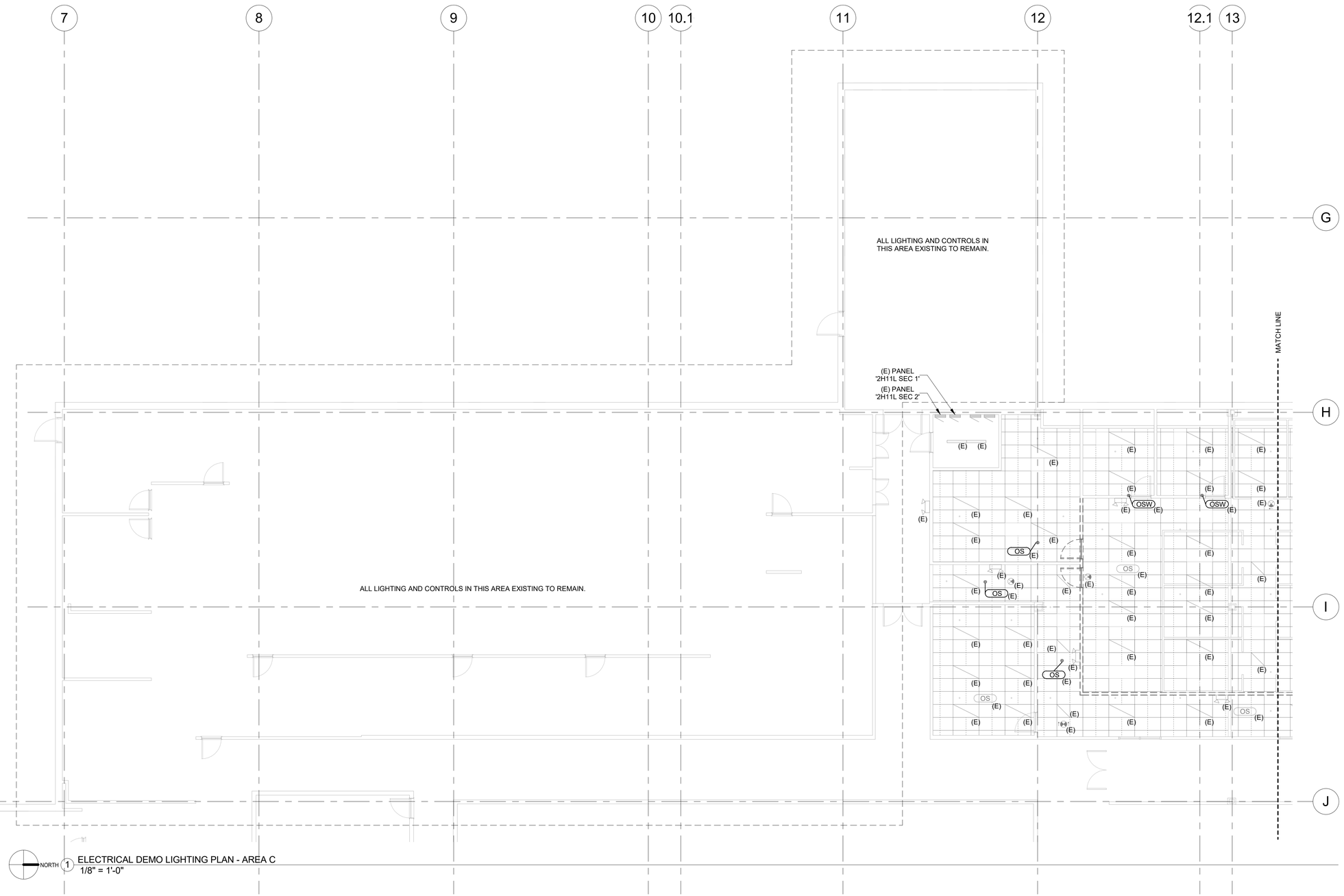
DRAWING TITLE	ELECTRICAL DEMO LIGHTING PLAN - AREA B
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	ED 3 02

DISCIPLINE SHEET TYPE SEQUENCE

SHEET 28 OF 50

GENERAL NOTES

A	LIGHTING ADD/ALTERNATE: REPLACE ALL LAY-IN 2' X 4' FIXTURES INDICATED AS EITHER "(E)" OR "(ER)" ON LIGHTING DEMOLITION DRAWINGS, WITH NEW LED LAY-IN 2' X 4' FIXTURES. REFER TO NEW LIGTHING PLANS FOR LAYOUTS.



NORTH 1 ELECTRICAL DEMO LIGHTING PLAN - AREA C
1/8" = 1'-0"

8/8/2019 8:25:37 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATION

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

AREA OF WORK – PART 'C'

2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	ELECTRICAL DEMO LIGHTING PLAN - AREA C
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	ED 3 03

DISCIPLINE SHEET TYPE SEQUENCE

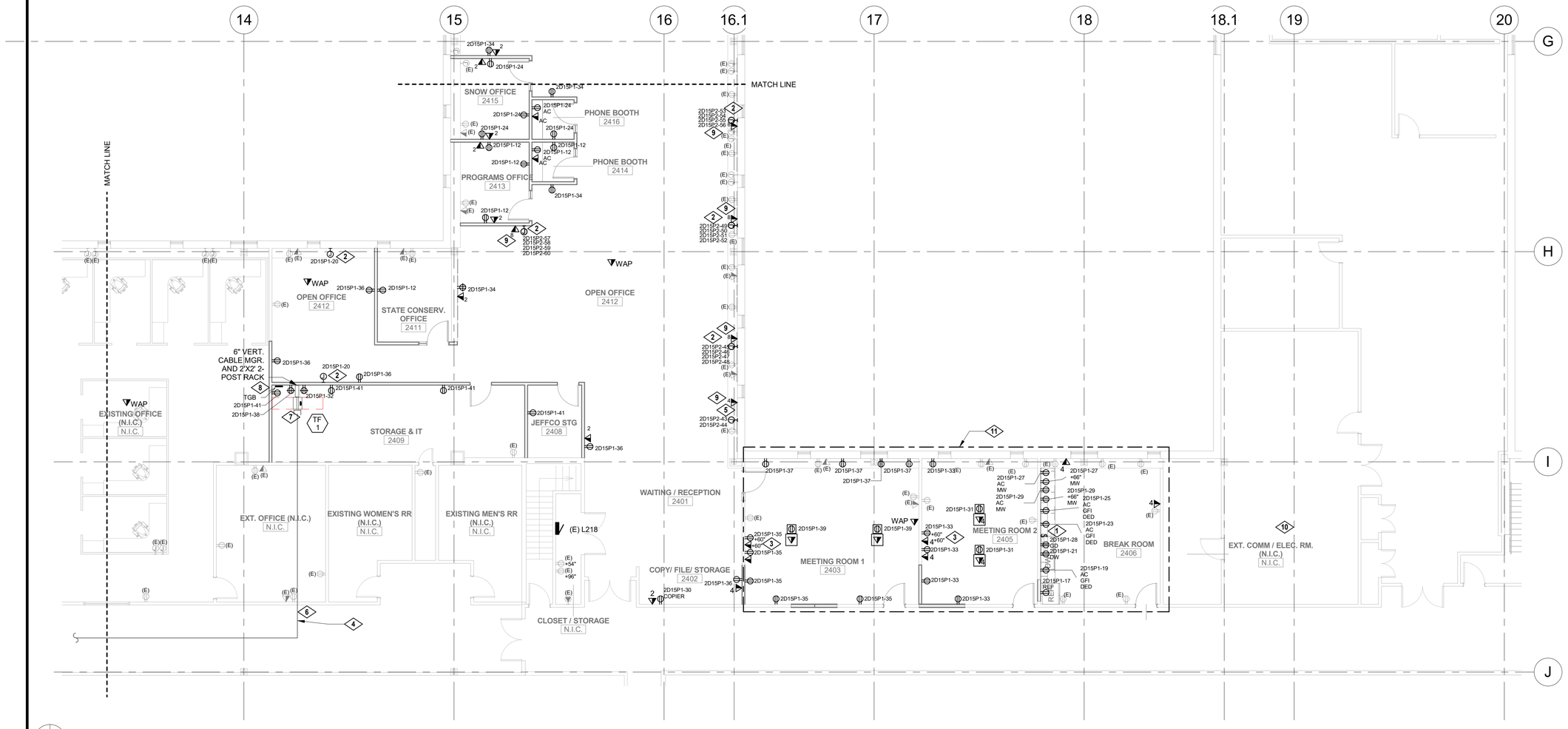
SHEET 29 OF 50

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
1	TOGGLE SWITCH TO BE CONNECTED TO GARBAGE DISPOSAL GFCI OUTLET LOCATED UNDER SINK.
2	EC SHALL PROVIDE FURNITURE FEED. PROVIDE 1" CONDUIT STUB-UP FOR DATA FEED. PROVIDE POWER FEED WITH (4) 120V, 20A DEDICATED CIRCUITS. EACH WITH A DEDICATED NEUTRAL. 8-WIRE FEED CONSISTING OF 8#12 + 1#12 IN 1"C.
3	EC TO PROVIDE (1) 1" AND (1) 1-1/4" EMT CONDUIT SET BETWEEN THE DATA OUTLETS, AND FROM DATA OUTLETS TO STUB ABOVE CEILING. ALSO, PROVIDE A SIMILAR SET OF CONDUITS FROM LOWER DATA OUT TO CONNECT TO FLOOR BOX, AND TO RUN BETWEEN FLOOR BOXES.
4	CONDUIT, INNERDUCT AND FIBER-OPTIC BACKBONE CABLING FROM IT EQUIPMENT RACK IN ADP ROOM 2752. REFER TO SHEET E-2-04.
5	EC SHALL PROVIDE FURNITURE FEED. PROVIDE 1" CONDUIT STUB-UP FOR DATA FEED. PROVIDE POWER FEED WITH (2) 120V, 20A DEDICATED CIRCUITS. EACH WITH A DEDICATED NEUTRAL. 8-WIRE FEED CONSISTING OF 8#12 + 1#12 IN 1"C.
6	ASSUMED LOCATION OF FIRE-RATED PARTITION. PROVIDE CONDUIT SLEEVE THROUGH FIRE-RATED PARTITION AND SUITABLE FIRE-RETARDENT PILLOW BLOCK AT PENETRATION.
7	PROVIDE NEW FLOOR-STANDING IT EQUIPMENT RACK IN NEW IT ROOM. COMPLETE WITH VERTICAL AND HORIZONTAL CABLE MANAGERS, PDU, FIBER-DITRIBUTION UNIT(FDU), PATCH PANELS AND RELOCATED EQUIPMENT FROM THE SALVAGED IT CABINET FROM NEARBY STORAGE ROOM. REFER TO DIVISION 27 SPECIFICATIONS INCLUDING SECTIONS 271100 AND 271116. LEAVE SPACE AT BOTTOM OF RACK FOR (1) OR (2) OWNER-PROVIDED UPS'S. COORDINATE LAYOUT WITHIN MIDDLE OF RACK FOR CONFIGURATION OF HORIZONTAL CABLE MANAGERS, PATCH PANELS AND OWNER-PROVIDED NETWORK SWITCHES. ARRANGE FDU AND PDU AT TOP OF RACK.
8	PROVIDE A 4'W X 8'H SHEET OF 3/4" FIRS RATE AC PLYWOOD BACKING ON WALL, PAINTED WITH FIRE-RETARDANT PAINT TO MATCH SURROUNDING WALL EXCEPT LEAVING A WINDOW UNPAINTED TO SHOW FIRE STAMP.
9	ROUTE TELECOM CABLING INTO FURNITURE SYSTEM AND TERMINATE AT 2-PORT OUTLET WITHIN EACH CUBICLE.
10	EXISTING "NORTH" IT ROOM.
11	ALL VOICE/DATA OUTLETS IN THIS AREA SHALL BE CABLED BACK TO THE EXISTING "NORTH" IT ROOM.

GENERAL NOTES

A	UNLESS OTHERWISE NOTED, ALL CIRCUIT NUMBERS INDICATED ON THIS SHEET SHALL REFER TO CIRCUIT ORIGINATING IN PANELBOARDS BASED UPON THE FOLLOWING CONVENTION, (THIS SHEET ONLY): TBD-# = CIRCUIT TO PANEL 'TBD'
B	REFER TO 'FA' DRAWINGS FOR FIRE ALARM INFORMATION AND SCOPE OF WORK.
C	ALL NEW TELECOMMUNICATIONS OUTLETS SHWON ON THESE DRAWINGS SHALL BE CABLED BACK TO THE NEW IT EQUIPMENT RACK IN STOR/IT ROOM 2409.



NORTH (1) ELECTRICAL POWER PLAN - AREA A
1/8" = 1'-0"

8/8/2019 8:25:30 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
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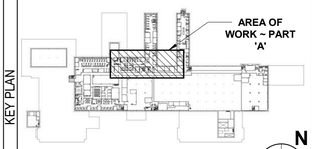
CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

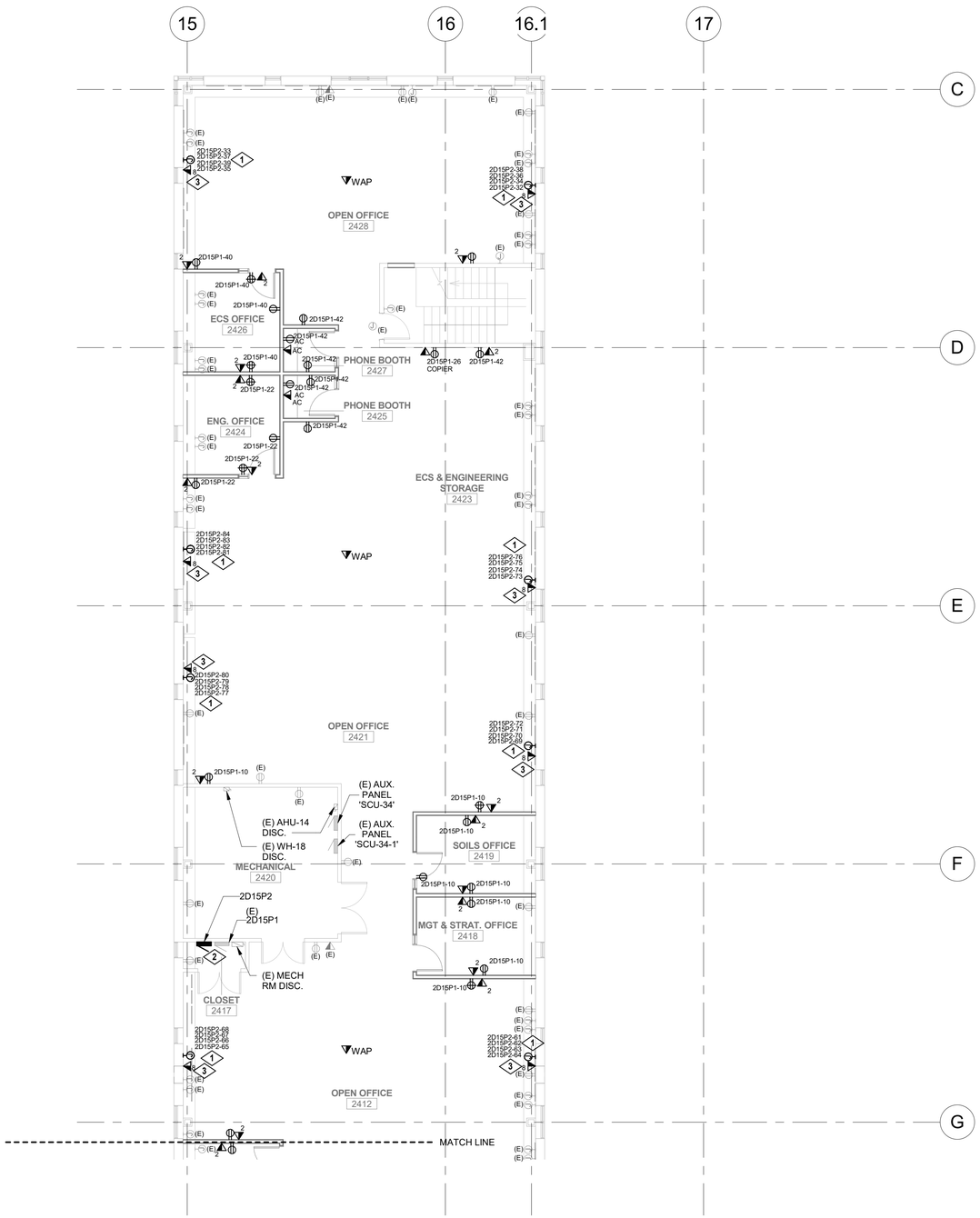
NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	ELECTRICAL POWER PLAN - AREA A
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 2 01
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 30 OF 50



NORTH (1) ELECTRICAL POWER PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES

A	UNLESS OTHERWISE NOTED, ALL CIRCUIT NUMBERS INDICATED ON THIS SHEET SHALL REFER TO CIRCUIT ORIGINATING IN PANELBOARDS BASED UPON THE FOLLOWING CONVENTION, (THIS SHEET ONLY): TBD-# = CIRCUIT TO PANEL 'TBD'
B	REFER TO 'FA' DRAWINGS FOR FIRE ALARM INFORMATION AND SCOPE OF WORK.
C	ALL NEW TELECOMMUNICATIONS OUTLETS SHWON ON THESE DRAWINGS SHALL BE CABLED BACK TO THE NEW IT EQUIPMENT RACK IN STOR/IT ROOM 2409.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
1	EC SHALL PROVIDE FURNITURE FEED. PROVIDE 1" CONDUIT STUB-UP FOR DATA FEED. PROVIDE POWER FEED WITH (4) 120V, 20A DEDICATED CIRCUITS. EACH WITH A DEDICATED NEUTRAL. 8-WIRE FEED CONSISTING OF 8#12 + 1#12 IN 1"C.
2	REPLACEMENT PANEL AT SAME LOCATION AS PRE-EXISTING ONE. RE-TERMINATE ALL PRE-EXISTING CONDUITS AND BRANCH CIRCUITS INTO NEW PANEL AT SAME BREAKER LOCATIONS. PROVIDE WIRING GUTTER/J-BOXES ABOVE NEW PANEL AS REQUIRED TO SPLICE AND EXTEND CIRCUITS INTO NEW PANEL. REFER TO ONE-LINE DIAGRAM.
3	ROUTE TELECOM CABLING INTO FURNITURE SYSTEM AND TERMINATE AT 2-PORT OUTLET WITHIN EACH CUBICLE.

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
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GOLDEN, COLORADO 80401
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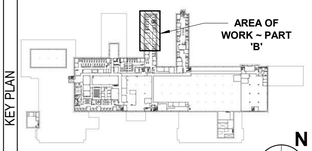
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

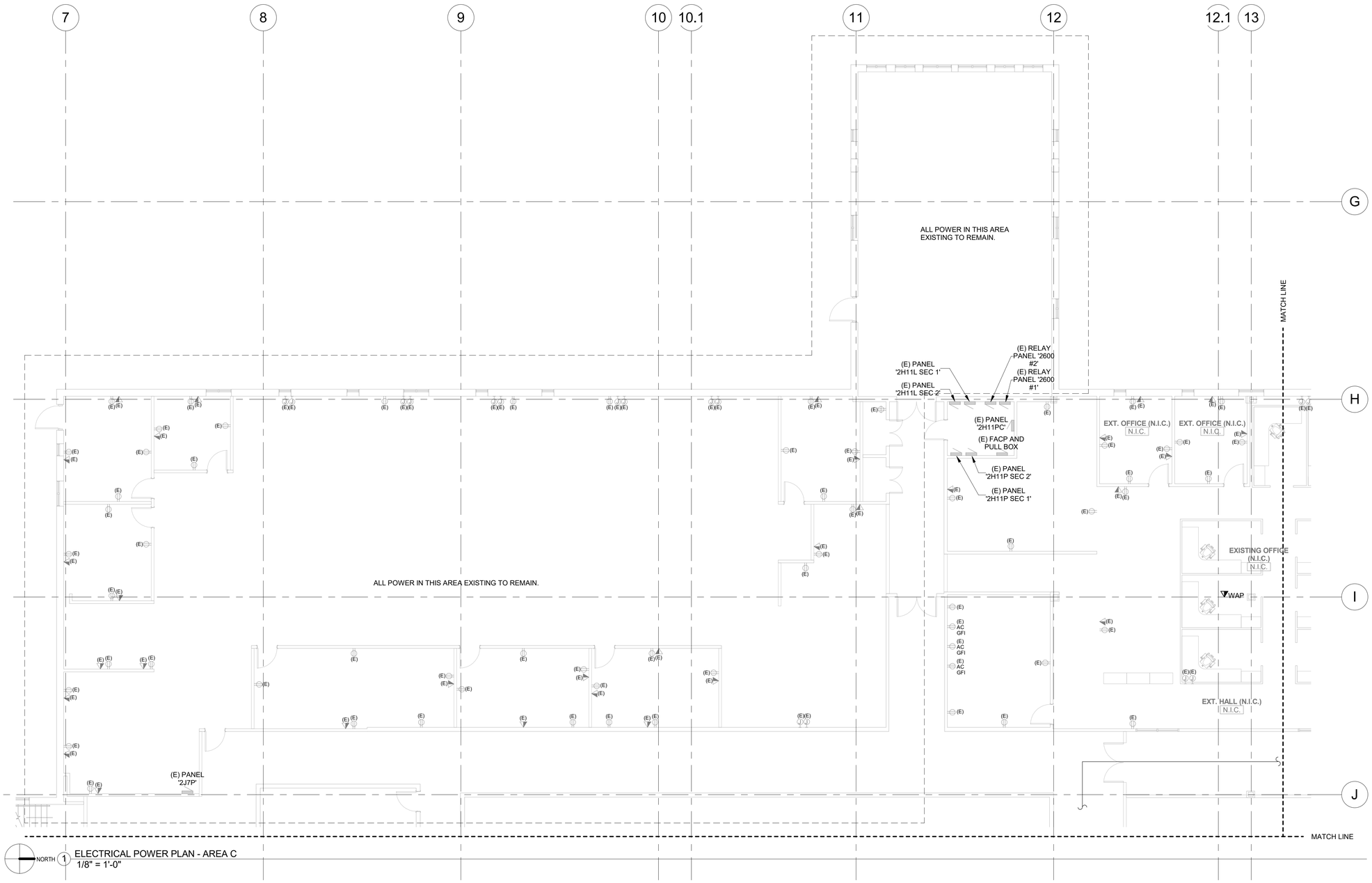
DRAWING

DRAWING TITLE	ELECTRICAL POWER PLAN - AREA B
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 2 02 (DISCIPLINE SHEET TYPE SEQUENCE)
	SHEET 31 OF 50

8/8/2019 8:25:30 AM

GENERAL NOTES

A	UNLESS OTHERWISE NOTED, ALL CIRCUIT NUMBERS INDICATED ON THIS SHEET SHALL REFER TO CIRCUIT ORIGINATING IN PANELBOARDS BASED UPON THE FOLLOWING CONVENTION, (THIS SHEET ONLY): TBD-# = CIRCUIT TO PANEL 'TBD'
B	REFER TO 'FA' DRAWINGS FOR FIRE ALARM INFORMATION AND SCOPE OF WORK.
C	ALL NEW TELECOMMUNICATIONS OUTLETS SHWON ON THESE DRAWINGS SHALL BE CABLED BACK TO THE NEW IT EQUIPMENT RACK IN STOR/IT ROOM 2409.



1 ELECTRICAL POWER PLAN - AREA C
1/8" = 1'-0"

8/8/2019 8:25:30 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
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GOLDEN, COLORADO 80401
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daveanderson@andarch.com

CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

AREA OF WORK ~ PART 'C'

2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

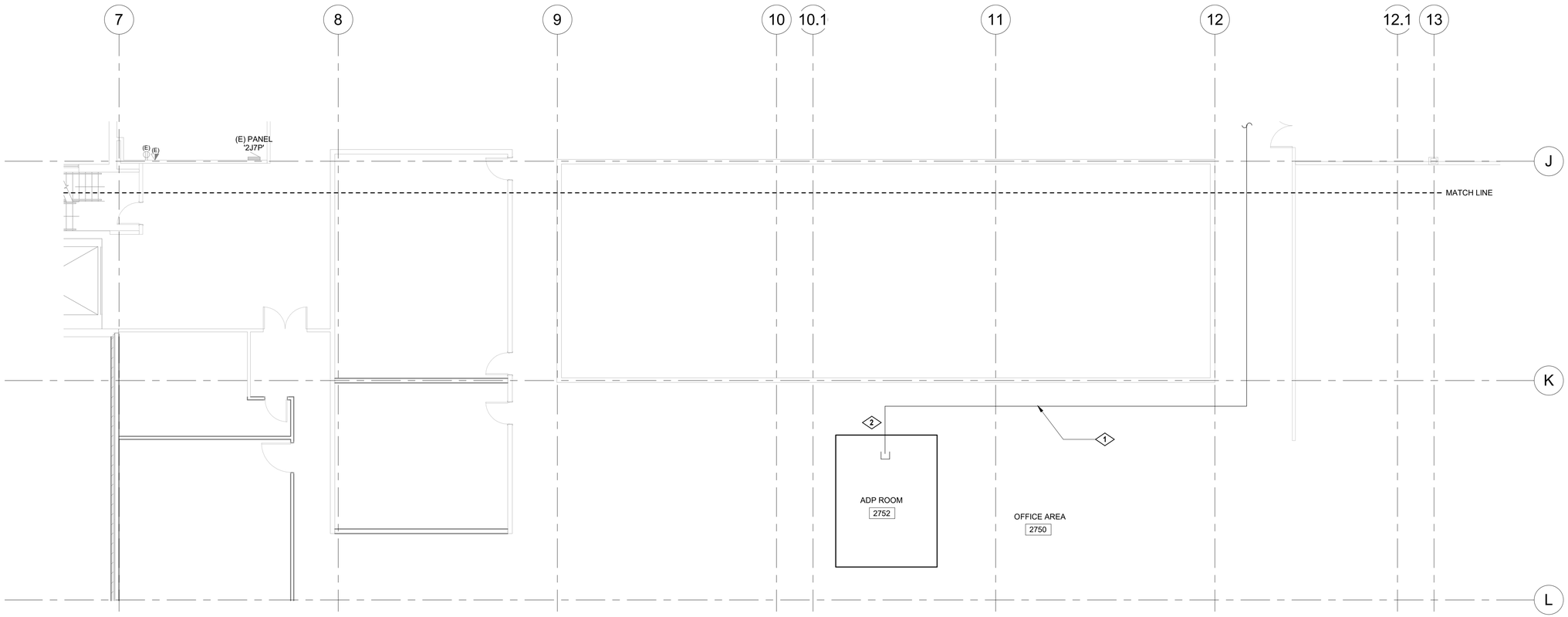
DRAWING TITLE	ELECTRICAL POWER PLAN - AREA C
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 2 03
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 32 OF 50

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
1	PROVIDE A 3" CONDUIT WITH (2) 1" INNERDUCTS FROM ADP ROOM 2752 TO NEW IT ROOM 2410 ON SHEET E-2-01, FOR CONVEYANCE OF NEW FIBER-OPTIC BACKBONE CABLING BETWEEN IT RACKS IN BOTH ROOMS. PROVIDE (1) FIBER-OPTIC BACKBONE CABLE FROM EXISTING FIBER DISTRIBUTION UNIT (FDU) WITHIN ADP ROOM 2752, ROUTED THROUGH INNERDUCT, TO TERMINATE AT NEW RACK-MOUNTED FDU WITHIN THE NEW FLOOR MOUNTED EQUIPMENT RACK IN IT ROOM 2410. REFER TO SECTION 271323 FOR FIBER CABLING AND FDU SPECIFICATIONS. PROVIDE FULL TURN-KEY CABLING INSTALLATION WITH HARDWARE AND TERMINATIONS AND TESTING.
2	ASSUMED LOCATION OF FIRE-RATED PARTITION. PROVIDE CONDUIT SLEEVE THROUGH FIRE-RATED PARTITION AND SUITABLE FIRE-RETARDENT PILLOW BLOCK AT PENETRATION.

GENERAL NOTES

A	UNLESS OTHERWISE NOTED, ALL CIRCUIT NUMBERS INDICATED ON THIS SHEET SHALL REFER TO CIRCUIT ORIGINATING IN PANELBOARDS BASED UPON THE FOLLOWING CONVENTION, (THIS SHEET ONLY): TBD-# = CIRCUIT TO PANEL 'TBD'
B	REFER TO 'FA' DRAWINGS FOR FIRE ALARM INFORMATION AND SCOPE OF WORK.
C	ALL NEW TELECOMMUNICATIONS OUTLETS SHWON ON THESE DRAWINGS SHALL BE CABLED BACK TO THE NEW IT EQUIPMENT RACK IN STOR/IT ROOM 2409.



NORTH (1) ELECTRICAL POWER PLAN - AREA D
1/8" = 1'-0"

8/8/2019 8:25:31 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
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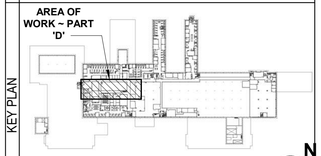
CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN



REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

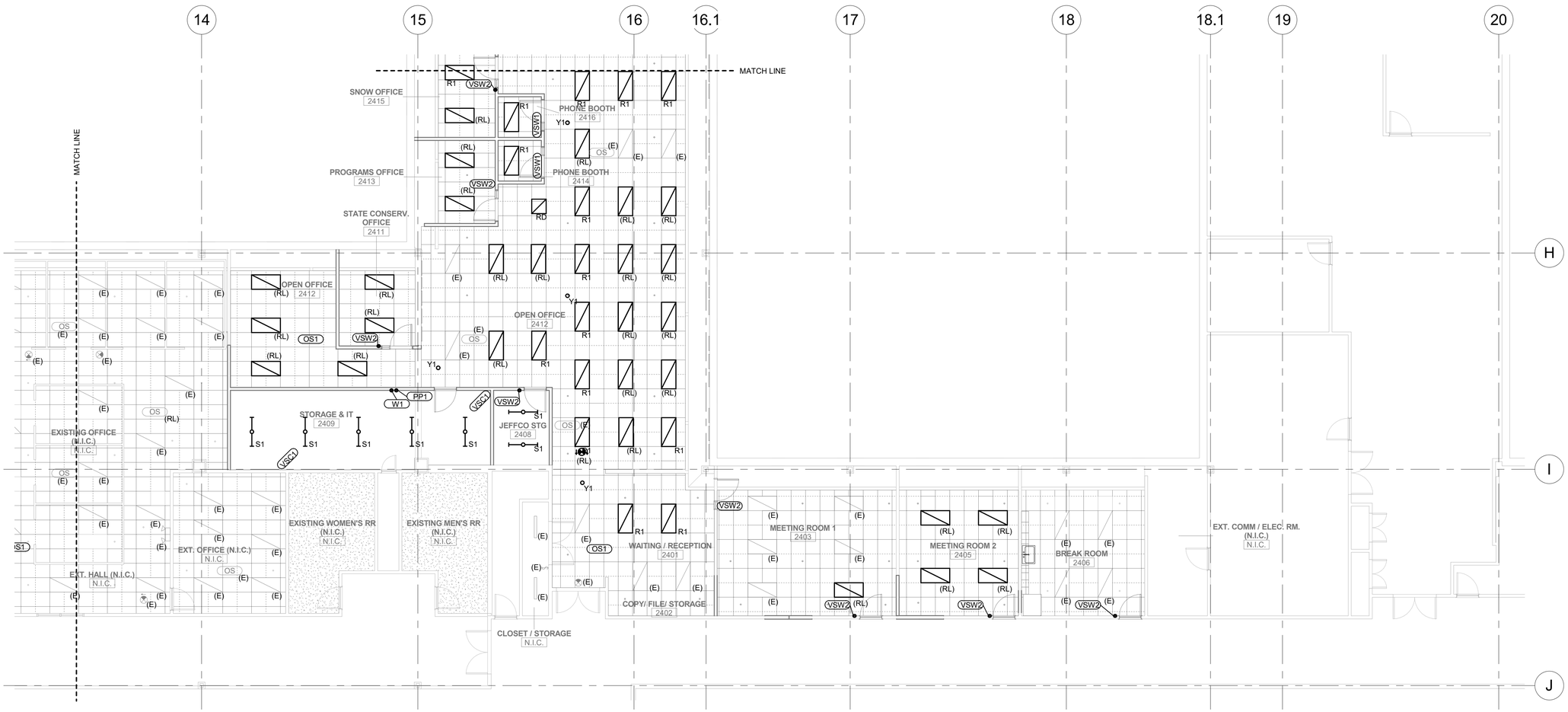
DRAWING TITLE	ELECTRICAL POWER PLAN - AREA D
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 2 04 (DISCIPLINE SHEET TYPE SEQUENCE)
	SHEET 33 OF 50

GENERAL NOTES

A	ALL FIXTURES WITH HATCHING AND/OR DESIGNATED AS 'EM' SHALL BE PROVIDED WITH INTEGRAL BATTERY BACKUP. BATTERY SHALL ENGAGE ONLY AFTER COMPLETE LOSS OF POWER TO THE CIRCUIT.
B	CIRCUIT ALL EMERGENCY LIGHTING AND EXIT SIGNS TO NEAREST LINE VOLTAGE CIRCUIT, AHEAD OF ALL SWITCH LEGS.
C	UNLESS OTHERWISE NOTED, ALL CIRCUIT NUMBER INDICATED ON THIS SHEET SHALL REFER TO CIRCUIT ORIGINATING IN PANELBOARDS OR RELAY PANELS BASED ON THE FOLLOWING CONVENTION, (THIS SHEET ONLY): TBD-# = CIRCUIT TO 'TBD'
D	LIGHTING ADD/ALTERNATE: REPLACE ALL LAY-IN 2'x4' FIXTURES INDICATED AS EITHER "(E)" OR "(RL)" ON LIGHTING PLANS, WITH NEW TYPE "R1" FIXTURES.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT



NORTH 1 ELECTRICAL LIGHTING PLAN - AREA A
1/8" = 1'-0"

8/8/2019 8:25:32 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-6521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATION

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

AREA OF WORK ~ PART 'A'

2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

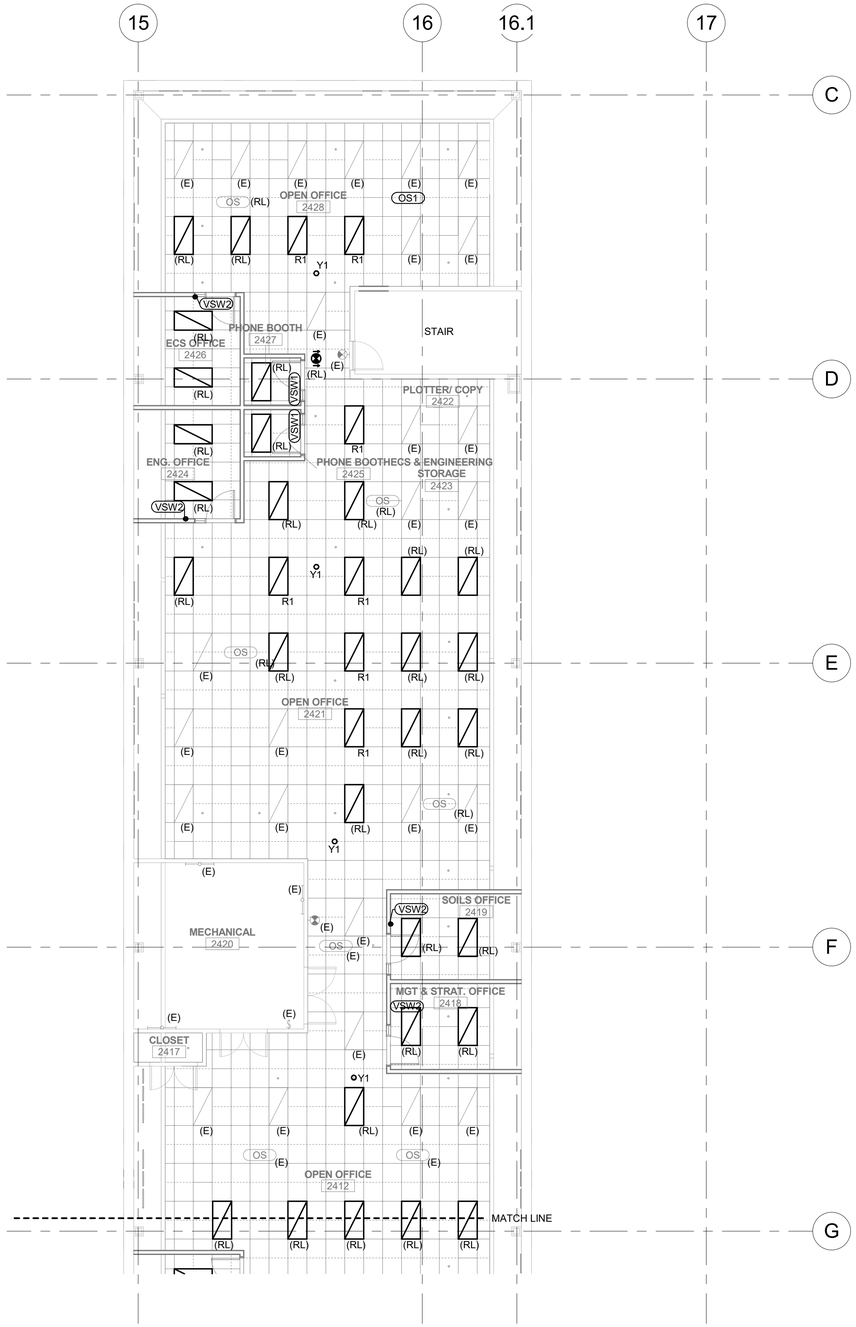
PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	ELECTRICAL LIGHTING PLAN - AREA A
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34

DRAWING NO. E 3 01
DISCIPLINE SHEET TYPE SEQUENCE
SHEET 34 OF 50



NORTH (1) ELECTRICAL LIGHTING PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES

A	ALL FIXTURES WITH HATCHING AND/OR DESIGNATED AS 'EM' SHALL BE PROVIDED WITH INTEGRAL BATTERY BACKUP. BATTERY SHALL ENGAGE ONLY AFTER COMPLETE LOSS OF POWER TO THE CIRCUIT.
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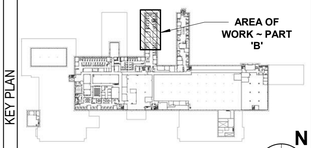
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	ELECTRICAL LIGHTING PLAN - AREA B
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34

DRAWING NO. **E 3 02**
DISCIPLINE SHEET TYPE SEQUENCE
SHEET 35 OF 50

8/8/2019 8:25:32 AM

GENERAL NOTES

A	ALL FIXTURES WITH HATCHING AND/OR DESIGNATED AS 'EM' SHALL BE PROVIDED WITH INTEGRAL BATTERY BACKUP. BATTERY SHALL ENGAGE ONLY AFTER COMPLETE LOSS OF POWER TO THE CIRCUIT.
B	CIRCUIT ALL EMERGENCY LIGHTING AND EXIT SIGNS TO NEAREST LINE VOLTAGE CIRCUIT, AHEAD OF ALL SWITCH LEGS.
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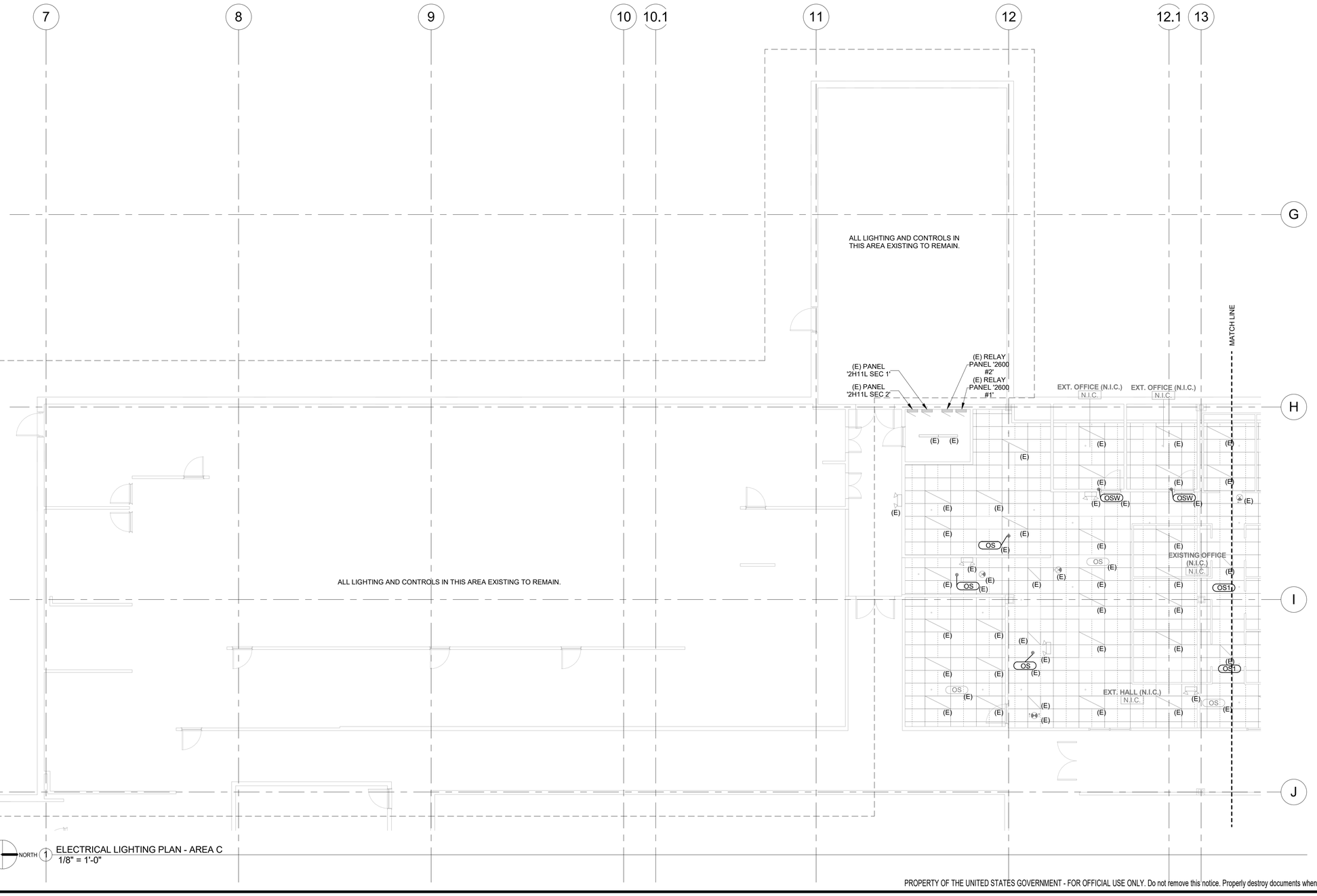


NORTH 1 ELECTRICAL LIGHTING PLAN - AREA C
1/8" = 1'-0"

8/8/2019 8:25:33 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | **720.412.2812** Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

AREA OF WORK ~ PART 'C'

2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

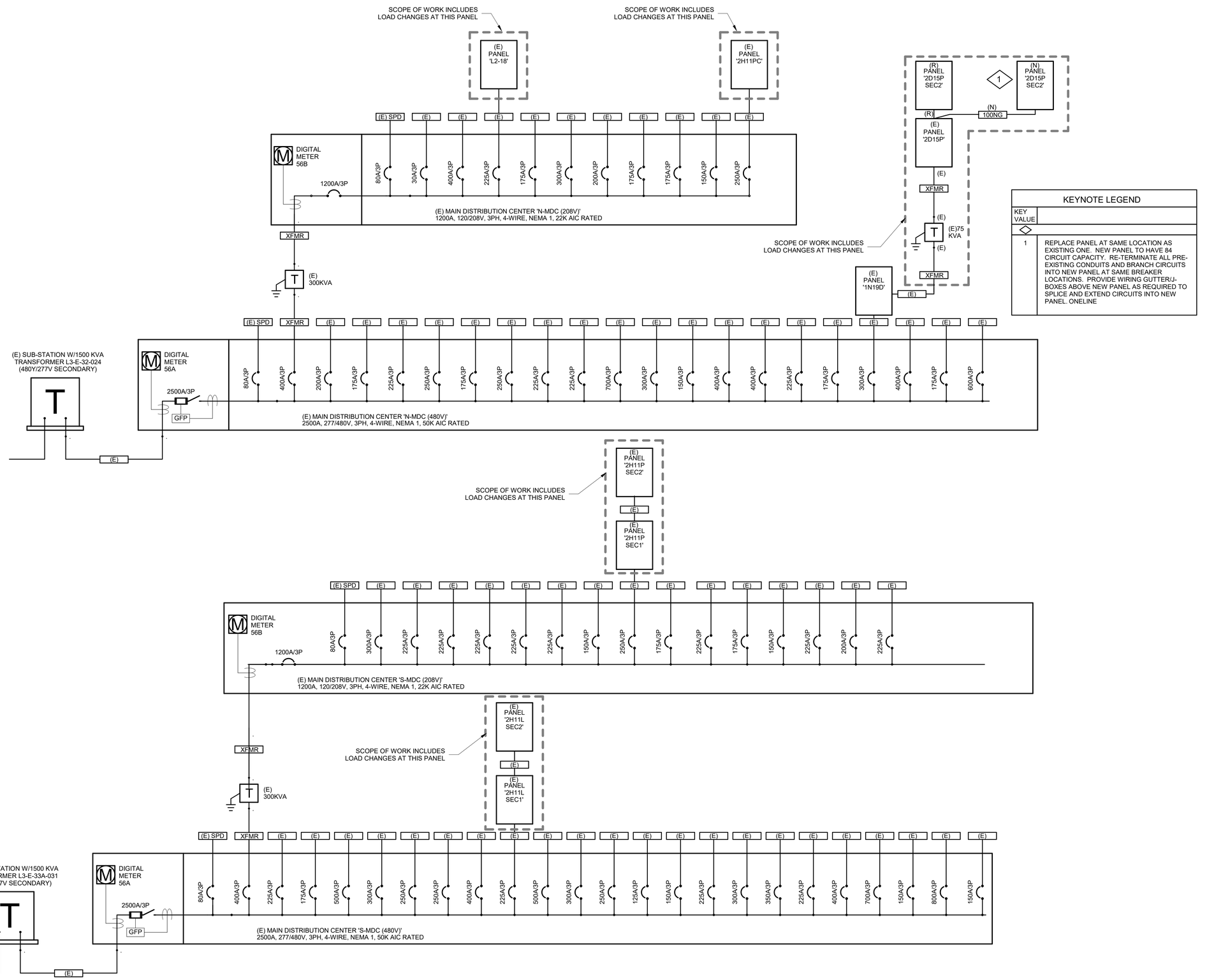
PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	ELECTRICAL LIGHTING PLAN - AREA C
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 3 03

DISCIPLINE SHEET TYPE SEQUENCE

SHEET 36 OF 50



2 ONE-LINE DIAGRAM
NTS

KEYNOTE LEGEND	
KEY VALUE	
1	REPLACE PANEL AT SAME LOCATION AS EXISTING ONE. NEW PANEL TO HAVE 84 CIRCUIT CAPACITY. RE-TERMINATE ALL PRE-EXISTING CONDUITS AND BRANCH CIRCUITS INTO NEW PANEL AT SAME BREAKER LOCATIONS. PROVIDE WIRING GUTTER/J-BOXES ABOVE NEW PANEL AS REQUIRED TO SPLICE AND EXTEND CIRCUITS INTO NEW PANEL. ONELINE

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | 720.412.2812 Cell
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CERTIFICATES

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

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DRAWING

DRAWING TITLE	ELECTRICAL ONE LINE DIAGRAM
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 6 00
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 37 OF 50

8/8/2019 8:25:33 AM

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMP QUAN.	LAMP WATTAGE	LAMP	MAX WATTAGE	DIMMING	MOUNTING LOCATION	BOF/RFD/ OFH	NOTES
(E)	EXISTING TO REMAIN							0 VA				
(ER)	EXISTING TO BE RELOCATED							0 VA				
(R)	REMOVE EXISTING							0 VA				
(RL)	RELOCATED EXISTING							0 VA				
R1	2X4 RECESSED DIRECT/INDIRECT TROFFER TO MATCH EXISTING	COLUMBIA LIGHTING	LLT24-40MLG-FA A12F-ED-U	120-277V	1	38 W	LED	38 VA	0-10V	CEILING RECESSED	4-1/4" RFD	
RD	2X2 RECESSED DIRECT/INDIRECT TROFFER TO MATCH EXISTING	COLUMBIA LIGHTING	LLT24-40MLG-FA A12F-ED-U	120-277V	1	27 W	LED	27 VA	0-10V	CEILING RECESSED	4-1/4" RFD	
S1	4' LED STRIP LIGHT	COLUMBIA LIGHTING	CSL4-4040	120-277V	1	40 W	LED	40 VA	0-10V	CEILING SURFACE	2-11/16" RFD	
Y1	RECESSED LED DOWN LIGHT EMERGENCY FIXTURE	BARRON LIGHTING GROUP	NFDL1-WB-10L-W H-G2	120-277V	1	11 W	LED	11 VA	NONE	CEILING RECESSED	5" RFD	

MECHANICAL EQUIPMENT SCHEDULE

KEY	DESCRIPTION	VOLTS	PH	LOAD HP,W,A	MOCP/ MFS	FEEDER	DISCONNECT	CIRCUIT	NOTES
TF 1	TRANSFER FAN	115	1	0.5A	15A	2#12, 1#12G, 3/4"C	20A/1P $TO	TBD	

GENERAL NOTES:

A. REFER TO MECHANICAL PLANS FOR SPECIFIC EQUIPMENT LOCATIONS AND REQUIREMENTS.
B. PRIOR TO ROUGH-IN, COORDINATE ALL MECHANICAL EQUIPMENT POWER AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR'S FINAL SHOP DRAWINGS.
C. PROVIDE ALL 120V CONTROL WIRING, REFER TO SPECIFICATIONS FOR FURTHER CONTROL WIRING CLARIFICATION.
D. EXTERIOR DISCONNECT SWITCHES ARE TO BE PROVIDED AS NEMA 3R EQUIPMENT UNLESS OTHERWISE NOTED.
E. PROVIDE DUCT DETECTION ON ALL RETURN AIR SYSTEMS OF 2,000 CFM OR GREATER, AND FOR ALL SUPPLY AIR SYSTEMS 15,000 CFM OR GREATER, INCLUDING THOSE SYSTEMS SERVING MULTIPLE FLOORS. PROVIDE ADDITIONAL DUCT DETECTORS AND INSTALL REMOTE INDICATOR LIGHTS AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
F. EC TO PROVIDE HAND/OFF/AUTO STARTERS FOR ALL MOTORS WHEN NOT INDICATED AS TO BE PROVIDED BY THE MECHANICAL CONTRACTOR ON THE MECHANICAL PLANS. SIZE OF STARTER TO BE BASED UPON SIZE OF MOTOR HORSEPOWER INDICATED.

SPECIFIC NOTES:

1.

LIGHTING CONTROL DEVICES

TYPE	DESCRIPTION	PROGRAMMING REQUIREMENTS	DETAILS
STANDALONE CONTROL SYSTEMS			
OS	EXISTING CEILING-MOUNTED OCCUPANCY SENSOR	EXISTING	
OS1	AUTOMATIC ON, AUTOMATIC OFF AFTER 15 MINUTES OF UNOCCUPIED SPACE. LOCAL OFF FOR MAINTENANCE VIA LOCAL KEYED SWITCH (IF APPLICABLE)	CEILING MOUNTED, DUAL TECH, OCCUPANCY SENSOR, LINE VOLTAGE	EXISTING (E) OR REMOVED (R)
OSW	EXISTING WALL-MOUNTED OCCUPANCY SENSOR	EXISTING	
PP1	POWER PACK, 20A, 120-277 UNIVERSAL VOLTAGE TO BE CONTROLLED BY LOW VOLTAGE TOGGLE SWITCH W1		
VSC1	ON VIA LOCAL SWITCH, AUTOMATIC OFF AFTER 15 MINUTES OF UNOCCUPIED SPACE.	CORNER MOUNTED AT 8'-0" AFF, DUAL TECH, OCCUPANCY SENSOR SET TO VACANCY MODE, LOW VOLTAGE	
VSW1	ON VIA LOCAL SWITCH, AUTOMATIC OFF AFTER 15 MINUTES OF UNOCCUPIED SPACE.	WALLSWITCH MOUNT, DUAL TECH, OCCUPANCY SENSOR SET TO VACANCY MODE, SINGLE RELAY	
VSW2	ON VIA LOCAL SWITCH, AUTOMATIC OFF AFTER 15 MINUTES OF UNOCCUPIED SPACE.	WALLSWITCH MOUNT, DUAL TECH, OCCUPANCY SENSOR SET TO VACANCY MODE, DUAL RELAY	
W1	LOW VOLTAGE ON/OFF TOGGLE SWITCH		

MECHANICAL EQUIPMENT NOTES

A	REFER TO MECHANICAL PLANS FOR SPECIFIC EQUIPMENT LOCATIONS AND REQUIREMENTS.
B	PRIOR TO ROUGH-IN, COORDINATE ALL MECHANICAL EQUIPMENT POWER AND CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR'S FINAL SHOP DRAWINGS.
C	PROVIDE ALL 120V CONTROL WIRING, REFER TO SPECIFICATIONS FOR FURTHER CONTROL WIRING CLARIFICATION.
D	FOR ANY VAV SYSTEM COORDINATE POWER REQUIREMENTS WITH MECHANICAL CONTRACTOR AND PROVIDE 120V CONNECTIONS AT EACH VAV BOX, OR AT CENTRAL CONTROL PANEL LOCATION(S) AS REQUIRED. IF EXACT QUANTITIES AND LOCATIONS FOR CONTROL PANELS ARE NOT KNOWN AT BID TIME, E.C. IS TO INCLUDE ONE 120V CONNECTION AT EACH VAV DEVICE IN THE BASE BID PRICE AND PROVIDE A CREDIT DURING CONSTRUCTION IF LESS CONNECTIONS ARE REQUIRED.
E	EXTERIOR DISCONNECT SWITCHES ARE TO BE PROVIDED AS NEMA 3R EQUIPMENT UNLESS OTHERWISE NOTED.
F	PROVIDE WEATHERPROOF 120 VOLT GFCI RECEPTACLES WITHIN 25' OF ALL ROOFTOP HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT. CIRCUIT TO SPARE CIRCUIT ON NEAREST 120V PANELBOARD OR AS INDICATED ON PLANS.
G	PROVIDE DUCT DETECTION ON ALL RETURN AIR SYSTEMS OF 2,000 CFM OR GREATER, AND FOR ALL SUPPLY AIR SYSTEMS 15,000 CFM OR GREATER, INCLUDING THOSE SYSTEMS SERVING MULTIPLE FLOORS. PROVIDE ADDITIONAL DUCT DETECTORS AND INSTALL REMOTE INDICATOR LIGHTS AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
H	FOR ANY BOILER MECHANICAL SYSTEM, E.C. IS TO PROVIDE AN EMERGENCY PUSHBUTTON OFF AND ANY CONTROL WIRING REQUIRED. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT PRIOR TO INSTALLATION.
I	EC TO PROVIDE HAND/OFF/AUTO STARTERS FOR ALL MOTORS WHEN NOT INDICATED AS TO BE PROVIDED BY THE MECHANICAL CONTRACTOR ON THE MECHANICAL PLANS. SIZE OF STARTER TO BE BASED UPON SIZE OF MOTOR HORSEPOWER INDICATED.

8/8/2019 8:25:33 AM

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CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	ELECTRICAL SCHEDULES
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 7 00

DISCIPLINE SHEET TYPE SEQUENCE

SHEET 38 OF 50

EXISTING PANEL '2D15P 1'

VOLTAGE L-L: 240 | LOCATION: CLOSET 2411
VOLTAGE L-N: 120 | BUS RATING: 225 AMPS
TYPE: 3PH/4W | MAIN CB: M.L.O.
MOUNTING: SURFACE | S.C. RATING: REFER TO FAULT CALC TABLE
NOTES: EXISTING | FED FROM:

CIR. NO	CCT TYPE	LOAD VA	LOAD DESCRIPTION	CIRCUIT BRKR POLE	CIRCUIT BRKR TRIP	BUS	CIRCUIT BRKR TRIP	CIRCUIT BRKR POLE	LOAD DESCRIPTION	LOAD VA	CCT TYPE	CIR NO
1			SPARE	1	20	A	20	1				2
3				1	20	B	20	1				4
5				1	20	C	20	1				6
7			SPARE	1	20	A	20	1				8
9			MECH. EQUIPMENT	1	20	B	20	1	SMALL OFFICE RECP	1800	R	10
11			COPIER RECEPT.	1	20	C	20	1	SMALL OFFICES	1620	R	12
13				1	20	A	20	1	SPARE			14
15				1	20	B	20	1	SPARE			16
17	R	180	REF RECEPT	1	20	C	20	1	SPARE			18
19	R	180	BREAKROOM DED REC	1	20	A	20	1	SPARE			20
21	R	180	BREAKROOM DW	1	20	B	20	1	SMALL OFFICES	1440	R	22
23	R	180	BREAKROOM DED REC	1	20	C	20	1	SMALL OFFICES	1080	R	24
25	R	180	BREAKROOM DED REC	1	20	A	20	1	COPIER/PRINTER	180	R	26
27	R	360	BREAKROOM MW	1	20	B	20	1	BREAK RM GD	180	R	28
29	R	360	BREAKROOM MW	1	20	C	20	1	COPIER	180	R	30
31	R	720	MTG RM RECP	1	20	A	20	1	IT ROOM RECP	720	R	32
33	R	720	MTG RM RECP	1	20	B	20	1	OPEN OFFICE RECP	900	R	34
35	R	720	MTG ROOM RECP	1	20	C	20	1	OPEN OFFICE RECP	720	R	36
37	R	720	MTG ROOM RECP	1	20	A	20	1	IT ROOM RECP	72		38
39	R	720	MTG ROM RECP	1	20	B	20	1	SMALL OFFICES	900	R	40
41	R	720	STORAGE RECEP	1	20	C	20	1	SMALL OFFICES	1080	R	42

CCT TYPE: L=LIGHTING, R=RECEPTACLE, M=MOTOR, LM=LARGEST MOTOR, E=EQUIPMENT, KE=KITCH EQUIP, S=SUBFEED PANEL

CCT TYPE:	LOAD	MULT	DEMANDED LOAD	
LIGHTING:	0	1.25	0	VA
RECEPTACLE:	10000	1.0	10000	VA
OVER 10K:	6740	0.5	3370	VA
MOTOR:	0	1.0	0	VA
LGST MOTOR:	0	1.25	0	VA
EQUIPMENT:	0	1.0	0	VA
KITCH EQUIP:	0	0	0	VA
SUBFEED PNL:	0	1.0	0	VA

TOTAL CONNECTED LOADS

	A	B	C
VA	2700	7200	6840

TOTAL DEMANDED LOADS

	A	B	C
VA	2156	5751	5463
AMPS	18	48	46

TOTAL ON PANEL: 13 KVA, 32 AMPS

NOTES:

EXISTING PANEL '2D15P 2'

VOLTAGE L-L: 240 | LOCATION: CLOSET 2411
VOLTAGE L-N: | BUS RATING: 225 AMPS
TYPE: 3PH/4W | MAIN CB: M.L.O.
MOUNTING: SURFACE | S.C. RATING: REFER TO FAULT CALC TABLE
NOTES: NEW PANEL | FED FROM: PANEL '2D15P 1'

CIR. NO	CCT TYPE	LOAD VA	LOAD DESCRIPTION	CIRCUIT BRKR POLE	CIRCUIT BRKR TRIP	BUS	CIRCUIT BRKR TRIP	CIRCUIT BRKR POLE	LOAD DESCRIPTION	LOAD VA	CCT TYPE	CIR NO
1	E		CUBICAL POWER (N1)	1	20	A	20	1	RM. 2495 RECEPT. (N1)		R	2
3	E		CUBICAL POWER(N1)	1	20	B	20	1	RM. 2495 RECEPT. (N1)		R	4
5	E		CUBICAL POWER(N1)	1	20	C	20	1	OFFICE 2407 RECEPT. (N1)		R	6
7	E		CUBICAL POWER (N1)	1	20	A	20	1	OFFICE 2409-10 RECEPT. (N1)		R	8
9	E		CUBICAL RM. 2420 (N1)	1	20	B	20	1	OFFICE 2408, LOBBY REC. (N1)		R	10
11	E		CUBICAL POWER (N1)	1	20	C	20	1	OFFICE 2402, LOBBY REC. (N1)		R	12
13			SPARE (N1)	1	20	A	20	1	OFFICE 2403 RECEPT. (N1)		R	14
15			SPARE (N1)	1	20	B	20	1	COPIER RECEPT. (N1)		R	16
17	R		OFFICE 2419 RECEPT. (N1)	1	20	C	20	1	COPIER RECEPT. (N1)		R	18
19			SPARE (N1)	1	20	A	20	1	OFFICE RECEPT. (N1)		R	20
21	E		POWER POLE (N1)	1	20	B	20	1	CARD READER (N1)		E	22
23			SPARE (N1)	1	20	C	20	1	CARD READER (N1)		E	24
25			SPARE (N1)	1	20	A	20	1	COPIER RECEPT. (N1)		E	26
27			SPARE (N1)	1	20	B	20	1	DED. POWER POLE (N1)		E	28
29			SPARE (N1)	1	20	C	20	1	SPARE (N1)			30
31			SPARE (N1)	1	20	A	20	1	FURNITURE FEEDS	180	R	32
33		180	FURNITURE FEEDS	1	20	B	20	1	FURNITURE FEEDS	180	R	34
35		180	FURNITURE FEEDS	1	20	C	20	1	FURNITURE FEEDS	180	R	36
37		180	FURNITURE FEEDS	1	20	A	20	1	FURNITURE FEEDS	180	R	38
39		180	FURNITURE FEEDS	1	20	B			BUSSED SPACE (N1)			40
41	E		COPIER RECEPT. (N1)	1	20	C	20	1	SPARE (N1)			42
43	R	180	FURNITURE FEEDS	1	20	A	20	1	FURNITURE FEEDS	180	R	44
45	R	180	FURNITURE FEEDS	1	20	B	20	1	FURNITURE FEEDS	180	R	46
47	R	180	FURNITURE FEEDS	1	20	C	20	1	FURNITURE FEEDS	180	R	48
49	R	180	FURNITURE FEEDS	1	20	A	20	1	FURNITURE FEEDS	180	R	50
51	R	180	FURNITURE FEEDS	1	20	B	20	1	FURNITURE FEEDS	180	R	52
53	R	180	FURNITURE FEEDS	1	20	C	20	1	FURNITURE FEEDS	180	R	54
55	R	180	FURNITURE FEEDS	1	20	A	20	1	FURNITURE FEEDS	180	R	56
57	R	180	FURNITURE FEEDS	1	20	B	20	1	FURNITURE FEEDS	180	R	58
59	R	180	FURNITURE FEEDS	1	20	C	20	1	FURNITURE FEEDS	180	R	60
61	R	180	FURNITURE FEEDS	1	20	A	20	1	FURNITURE FEEDS	180	R	62
63	R	180	FURNITURE FEEDS	1	20	B	20	1	FURNITURE FEEDS	180	R	64
65	R	180	FURNITURE FEEDS	1	20	C	20	1	FURNITURE FEEDS	180	R	66
67	R	180	FURNITURE FEEDS	1	20	A	20	1	FURNITURE FEEDS	180	R	68
69	R	180	FURNITURE FEEDS	1	20	B	20	1	FURNITURE FEEDS	180	R	70
71	R	180	FURNITURE FEEDS	1	20	C	20	1	FURNITURE FEEDS	180	R	72
73	R	180	FURNITURE FEEDS	1	20	A	20	1	FURNITURE FEEDS	180	R	74
75	R	180	FURNITURE FEEDS	1	20	B	20	1	FURNITURE FEEDS	180	R	76
77	R	180	FURNITURE FEEDS	1	20	C	20	1	FURNITURE FEEDS	180	R	78
79	R	180	FURNITURE FEEDS	1	20	A	20	1	FURNITURE FEEDS	180	R	80
81	R	180	FURNITURE FEEDS	1	20	B	20	1	FURNITURE FEEDS	180	R	82
83	R	180	FURNITURE FEEDS	1	20	C	20	1	FURNITURE FEEDS	180	R	84

CCT TYPE: L=LIGHTING, R=RECEPTACLE, M=MOTOR, LM=LARGEST MOTOR, E=EQUIPMENT, KE=KITCH EQUIP, S=SUBFEED PANEL

CCT TYPE:	LOAD	MULT	DEMANDED LOAD	
LIGHTING:	0	1.25	0	VA
RECEPTACLE:	8280	1.0	8280	VA
OVER 10K:	0	0.5	0	VA
MOTOR:	0	1.0	0	VA
LGST MOTOR:	0	1.25	0	VA
EQUIPMENT:	0	1.0	0	VA
KITCH EQUIP:	0	0	0	VA
SUBFEED PNL:	0	1.0	0	VA

TOTAL CONNECTED LOADS

	A	B	C
VA	2880	2700	2700

TOTAL DEMANDED LOADS

	A	B	C
VA	2880	2700	2700
AMPS			

TOTAL ON PANEL: 8 KVA, 20 AMPS

NOTES:
N1 EXISTING LOAD/CIRCUIT TO BE RE-TERMINATED TO NEW/REPLACEMENT PANEL AT ORIGINAL CIRCUIT NUMBER LOCATION.

EXISTING PANEL '2H11P SEC 1'

VOLTAGE L-L: 208 | LOCATION: ELEC. 2607
VOLTAGE L-N: 120 | BUS RATING: 250 AMPS
TYPE: 3PH/4W | MAIN CB: M.L.O.
MOUNTING: SURFACE | S.C. RATING: REFER TO FAULT CALC TABLE
NOTES: EXISTING | FED FROM:

CIR. NO	CCT TYPE	LOAD VA	LOAD DESCRIPTION	CIRCUIT BRKR POLE	CIRCUIT BRKR TRIP	BUS	CIRCUIT BRKR TRIP	CIRCUIT BRKR POLE	LOAD DESCRIPTION	LOAD VA	CCT TYPE	CIR NO
1			RM. 2603 FRIDGE	3	20	A	20	1	RECEPT. MECH. ROOM		R	2
3			--	--	--	B	20	1	WATER HEATER		E	4
5			--	--	--	C	20	2	SPARE			6
7			RM. 2670 RECEPT.	1	20	A	--	--	--			8
9			RM. 2670 RECEPT.	1	20	B	20	2	SPARE			10
11			RM. 2670 RECEPT.	1	20	C	--	--	--			12
13			SR WEST 2640	1	20	A	20	1	OFFICE 2621, LOBBY REC.	1080	R	14
15			SR WEST 2640	1	20	B	20	1	CUBICAL POWER	1080	R	16
17			SR WEST 2640	1	20	C	20	1	2622, 2623 RECEPT.	1260	R	18
19			SR WEST 2640	1	20	A	20	1	2624 RECEPT.	720	R	20
21			SR WEST 2640	1	20	B	20	1	CUBICAL POWER	720	R	22
23	R	720	CUBICAL POWER	1	20	C	20	1	CUBICAL POWER	1080	R	24
25	R	720	CUBICAL POWER	1	20	A	20	1	CUBICAL POWER	720	R	26
27	R	720	CUBICAL POWER	1	20	B	20	1	CUBICAL POWER	720	R	28
29	R	720	CUBICAL POWER	1	20	C	20	1	RECEPTION RECEPT.	500	R	30
31	R	720	CUBICAL POWER	1	20	A	20	1	COPIER RECEPT.	1000	R	32
33	E	500	TTB RECEPT. RM. 2609	1	20	B	20	1	SPARE			34
35	R	180	ADMIN SUPPORT REC.	1	20	C	20	1	SPARE			36
37	R	180	ADMIN SUPPORT REC.	1	20	A	20	1	SPARE			38
39			SR EAST 2650	1	20	B	20	1	SPARE			40
41			SR EAST 2650	1	20	C	20	1	SPARE			42

CCT TYPE: L=LIGHTING, R=RECEPTACLE, M=MOTOR, LM=LARGEST MOTOR, E=EQUIPMENT, KE=KITCH EQUIP, S=SUBFEED PANEL

CCT TYPE:	LOAD	MULT	DEMANDED LOAD	
LIGHTING:	0	1.25	0	VA
RECEPTACLE:	10000	1.0	10000	VA
OVER 10K:	0	1.0	0	VA
MOTOR:	0	1.0	0	VA
LGST MOTOR:	0	1.25	0	VA
EQUIPMENT:	500	1.0	500	VA
KITCH EQUIP:	0	0	0	VA
SUBFEED PNL:	0	1.0	0	VA

TOTAL CONNECTED LOADS

	A	B	C
VA	5140	3740	4460

TOTAL DEMANDED LOADS

	A	B	C
VA	4572	3382	3967
AMPS	38	28	33

TOTAL ON PANEL: 12 KVA, 33 AMPS

NOTES:

EXISTING PANEL '2H11P SEC 2'

VOLTAGE L-L: 208 | LOCATION: ELEC. 2607
VOLTAGE L-N: 120 | BUS RATING: 250 AMPS
TYPE: 3PH/4W | MAIN CB: M.L.O.
MOUNTING: SURFACE | S.C. RATING: REFER TO FAULT CALC TABLE
NOTES: EXISTING | FED FROM:

CIR. NO	CCT TYPE	LOAD VA	LOAD DESCRIPTION	CIRCUIT BRKR POLE	CIRCUIT BRKR TRIP	BUS	CIRCUIT BRKR TRIP	CIRCUIT BRKR POLE	LOAD DESCRIPTION	LOAD VA	CCT TYPE	CIR NO
1	E	700	EF-2	1	20	A	20	1	OFFICE 2514, 2615	1620	R	2
3	E	2000	EWH-2 MEN/WOMEN	1	20	B	20	1	OFFICE 2604 RECEPT.	540	R	4
5	R		2604 DATA RECEPT.	1	20	C	20	1	CUBICAL POWER	1080	R	6
7	E	500	EWC-1	1	20	A	20	1	CUBICAL POWER	1260	R	8
9			SR EAST 2640	1	20	B	20	1	CUBICAL POWER	720	R	10
11			SR EAST 2640	1	20	C	20	1	CUBICAL POWER	720	R	12
13			SR EAST 2640	1	20	A	20	1	OFFICE 2612, 2613	1440	R	14
15			SR EAST 2640	1	20	B	20	1	RM. 2603 RECEPT.	720	R	16
17	R		POWER POLE S. 2660	1	20	C	20	1	RM. 2611 RECEPT.	720	R	18
19	R		POWER POLE S. 2660	1	20	A	20	1	SR SOUTH 2660			20
21	R		POWER POLE S. 2660	1	20	B	20	1	MEN/WOMEN RECEPT.	360	R	22
23	R		POWER POLE S. 2660	1	20	C	20	1	SR SOUTH 2660			24
25			SR SOUTH 2660	1	20	A	20	1	CARD READER	500	E	26
27			SR SOUTH 2660	1	20	B	20	1	COMMON HALL RECEPT.		R	28
29			SR SOUTH 2660	1	20	C	20	1	POWER POLE NW 2660		R	30
31	E		G4000 2650	1	30	A	20	1	POWER POLE NW 2660		R	32
33	E		G4000 2650	1	30	B			BUSSED SPACE			34
35	E		G4000 2650	1	20	C	20	1	SR EAST 2640			36
37	S		PANEL '2H11PL'	1	60	A	30	3	H1 ROOM 2681			38
39	S		--	--	--	B	--	--	--			40
41	S		--	--	--	C	--	--	--			42

CCT TYPE: L=LIGHTING, R=RECEPTACLE, M=MOTOR, LM=LARGEST MOTOR, E=EQUIPMENT, KE=KITCH EQUIP, S=SUBFEED PANEL

CCT TYPE:	LOAD	MULT	DEMANDED LOAD	
LIGHTING:	0	1.25	0	VA
RECEPTACLE:	9180	1.0	9180	VA
OVER 10K:	0	0.5	0	VA
MOTOR:	0	1.0	0	VA
LGST MOTOR:	0	1.25	0	VA
EQUIPMENT:	3700	1.0	3700	VA
KITCH EQUIP:	0	0	0	VA
SUBFEED PNL:	0	1.0	0	VA

TOTAL CONNECTED LOADS

	A	B	C
VA	6020	4340	2520

TOTAL DEMANDED LOADS

	A	B	C
VA	6020	4340	2520
AMPS	50	36	21

TOTAL ON PANEL: 13 KVA, 36 AMPS

NOTES:

EXISTING PANEL '2J7P'

VOLTAGE L-L: 208 | LOCATION: OPEN TOUCH DOWN STATION 2629 S WALL
VOLTAGE L-N: 120 | BUS RATING: 250 AMPS
TYPE: 3PH/4W | MAIN CB: 50 A/3P
MOUNTING: SURFACE | S.C. RATING: REFER TO FAULT CALC TABLE
NOTES: EXISTING | FED FROM:

CIR. NO	CCT TYPE	LOAD VA	LOAD DESCRIPTION	CIRCUIT BRKR POLE	CIRCUIT BRKR TRIP	BUS	CIRCUIT BRKR TRIP	CIRCUIT BRKR POLE	LOAD DESCRIPTION	LOAD VA	CCT TYPE	CIR NO
1	E		ANTENNA POWER	1	20	A	20	2				2
3	R		N AND W RECEPT. 2680	1	20	B	--	--				4
5	R		RECEPT. 2682, 2681	1	20	C	20	1	RECEPT.		R	6
7	M		EF-37	1	20	A	20	1	SUPPORT SPACE RECEPT.		R	8
9	R		E/S RECEPT. 2680	1	20	B	20	1	SUPPORT SPACE RECEPT.		R	10
11	R		E/S RECEPT. 2680	1	20	C	20	1	HOODS 2680, 2690		E	12
13	R		E/S RECEPT. 2680	1	20	A	20	1	RECEPT. 2680		R	14
15	R		N RECEPT. 2690	1	20	B	20	1	RECEPT. 2680		R	16
17	E		UNIT HEATER	1	20	C		1	EF-39		M	18
19	M		EF-36	3	15	A	20	1	PAINT ROOM LIGHTS		L	20
21	M		--	--	--	B	20	2				22
23	M		--	--	--	C	--	--				24
25	E		T.C. PANEL	1	20	A			BUSSED SPACE			26
27	E		2690 208V S/E	2	30	B			BUSSED SPACE			28
29	E		--	--	--	C			BUSSED SPACE			30

CCT TYPE: L=LIGHTING, R=RECEPTACLE, M=MOTOR, LM=LARGEST MOTOR, E=EQUIPMENT, KE=KITCH EQUIP, S=SUBFEED PANEL

CCT TYPE:	LOAD	MULT	DEMANDED LOAD	
LIGHTING:	0	1.25	0	VA
RECEPTACLE:	0	1.0	0	VA
OVER 10K:	0	0.5	0	VA
MOTOR:	0	1.0	0	VA
LGST MOTOR:	0	1.25	0	VA
EQUIPMENT:	0	1.0	0	VA
KITCH EQUIP:	0	0	0	VA
SUBFEED PNL:	0	1.0	0	VA

TOTAL CONNECTED LOADS

	A	B	C
VA	0	0	0

TOTAL DEMANDED LOADS

	A	B	C
VA	0	0	0
AMPS	0	0	0

TOTAL ON PANEL: 0 KVA, 0 AMPS

NOTES:

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | **720.412.2812** Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-6521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATION

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	ELECTRICAL PANEL SCHEDULES
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 7 10

DISCIPLINE SHEET TYPE SEQUENCE
SHEET 39 OF 50

8/8/2019 8:25:33 AM

EXISTING PANEL '2H11PC'

VOLTAGE L-L: 208 | LOCATION: ELEC. 2607
VOLTAGE L-N: 120 | BUS RATING: 250 AMPS
TYPE: 3PH/4W | MAIN CB: 70 A/3P
MOUNTING: SURFACE | S.C. RATING: REFER TO FAULT CALC TABLE
NOTES: EXISTING | FED FROM:

CIR. NO	CCT TYPE	LOAD VA	LOAD DESCRIPTION	CIRCUIT BRKR POLE	CIRCUIT BRKR TRIP	BUS	CIRCUIT BRKR TRIP	CIRCUIT BRKR POLE	LOAD DESCRIPTION	LOAD VA	CCT TYPE	CIR NO
1	E		G-4000 2650	3	30	A	20	3	G-4000 2650		E	2
3	E		--	--	--	B	--	--	--		E	4
5	E		--	--	--	C	--	--	--		E	6
7	E		G-4000 2650	1	20	A	20	1	AIR DRYER		E	8
9	E		G-4000 2650	1	20	B	20	1	EXISTING LOAD			10
11	E		G-4000 2650	1	20	C	20	1	EXISTING LOAD			12
13	S		LOW VOLTAGE PANELS	1	20	A	20	1	EXISTING LOAD			14
15	E		SHUNT TRIP EPO	1	20	B	20	1	EXISTING LOAD			16
17			BUSSED SPACE			C			BUSSED SPACE			18
19			BUSSED SPACE			A			BUSSED SPACE			20
21			BUSSED SPACE			B			BUSSED SPACE			22
23			BUSSED SPACE			C			BUSSED SPACE			24
25			BUSSED SPACE			A			BUSSED SPACE			26
27			BUSSED SPACE			B			BUSSED SPACE			28
29			BUSSED SPACE			C			BUSSED SPACE			30

CCT TYPE: L=LIGHTING, R=RECEPTACLE, M=MOTOR, LM=LARGEST MOTOR, E=EQUIPMENT, KE=KITCH EQUIP, S=SUBFEED PANEL

CCT TYPE:	LOAD	MULT	DEMANDED LOAD
LIGHTING:	0	1.25	0 VA
RECEPTACLE:	0	1.0	0 VA
OVER 10K:	0	0.5	0 VA
MOTOR:	0	1.0	0 VA
LGST MOTOR:	0	1.25	0 VA
EQUIPMENT:	0	1.0	0 VA
KITCH EQUIP:	0	0	0 VA
SUBFEED PNL:	0	1.0	0 VA

TOTAL CONNECTED LOADS

	A	B	C
VA	0	0	0

TOTAL DEMANDED LOADS

	A	B	C
VA	0	0	0
AMPS	0	0	0

TOTAL ON PANEL: 0 KVA, 0 AMPS

NOTES:

EXISTING PANEL '2H11L SEC 1'

VOLTAGE L-L: 480 | LOCATION: ELEC. 2607
VOLTAGE L-N: 277 | BUS RATING: 400 AMPS
TYPE: 3PH/4W | MAIN CB: M.L.O.
MOUNTING: SURFACE | S.C. RATING: REFER TO FAULT CALC TABLE
NOTES: EXISTING | FED FROM:

CIR. NO	CCT TYPE	LOAD VA	LOAD DESCRIPTION	CIRCUIT BRKR POLE	CIRCUIT BRKR TRIP	BUS	CIRCUIT BRKR TRIP	CIRCUIT BRKR POLE	LOAD DESCRIPTION	LOAD VA	CCT TYPE	CIR NO
1	E		AHU-7	3	90	A	70	3	AHU-15		E	2
3	E		--	--	--	B	--	--	--		E	4
5	E		--	--	--	C	--	--	--		E	6
7	S		PANEL '218L'	3	50	A	15	3	AC-1		E	8
9	S		--	--	--	B	--	--	--		E	10
11	S		--	--	--	C	--	--	--		E	12
13	E		AHU-16	3	60	A	50	3	HWCP-2		E	14
15	E		--	--	--	B	--	--	--		E	16
17	E		--	--	--	C	--	--	--		E	18
19	L		LTG. 1550 EAST	1	20	A	20	1	LTG. 2700 AREA		L	20
21	L		LTG. 1550 WEST	1	20	B	20	1	LTG. 2700 AREA		L	22
23	L		LTG. 2700 AREA	1	20	C	20	1	LTG. 2700 AREA		L	24
25	L		LTG. 2700 AREA	1	20	A	20	1	LTG. 2640, 2650		L	26
27	L		LTG. 2700 AREA	1	20	B	20	1	LTG. 2660	2691	L	28
29	L		LTG. 1655, 1505	1	20	C	20	1	LTG. 2640	2187	L	30

CCT TYPE: L=LIGHTING, R=RECEPTACLE, M=MOTOR, LM=LARGEST MOTOR, E=EQUIPMENT, KE=KITCH EQUIP, S=SUBFEED PANEL

CCT TYPE:	LOAD	MULT	DEMANDED LOAD
LIGHTING:	4878	1.25	6098 VA
RECEPTACLE:	0	1.0	0 VA
OVER 10K:	0	0.5	0 VA
MOTOR:	0	1.0	0 VA
LGST MOTOR:	0	1.25	0 VA
EQUIPMENT:	0	1.0	0 VA
KITCH EQUIP:	0	0	0 VA
SUBFEED PNL:	0	1.0	0 VA

TOTAL CONNECTED LOADS

	A	B	C
VA	0	2691	2187

TOTAL DEMANDED LOADS

	A	B	C
VA	0	3364	2734
AMPS	0	12	10

TOTAL ON PANEL: 6 KVA, 7 AMPS

NOTES:

EXISTING PANEL '2H11L SEC 2'

VOLTAGE L-L: 480 | LOCATION: ELEC. 2607
VOLTAGE L-N: 277 | BUS RATING: 400 AMPS
TYPE: 3PH/4W | MAIN CB: M.L.O.
MOUNTING: SURFACE | S.C. RATING: REFER TO FAULT CALC TABLE
NOTES: EXISTING | FED FROM:

CIR. NO	CCT TYPE	LOAD VA	LOAD DESCRIPTION	CIRCUIT BRKR POLE	CIRCUIT BRKR TRIP	BUS	CIRCUIT BRKR TRIP	CIRCUIT BRKR POLE	LOAD DESCRIPTION	LOAD VA	CCT TYPE	CIR NO
1	L		LTG. 1500 NORTH	1	20	A	20	1	LTG. 2675		L	2
3	L		LTG. 1500 NORTH	1	20	B	20	1	LTG. 2680-2682		L	4
5	L		LTG. 1500 NORTH	1	20	C	20	1	LTG. 2690		L	6
7	L		LTG. 2600 AREA	3	20	A	20	1	LTG. MECH. ROOM		L	8
9	L		--	--	--	B	15	3	EXISTING ROOF LOAD		E	10
11	L		--	--	--	C	--	--	--		E	12
13			SPARE	3	50	A	--	--	--		E	14
15			--	--	--	B	50	3	COMPRESSOR 1 MECH.		E	16
17			--	--	--	C	--	--	--		E	18
19	L		LTG. 1625, 1628	1	20	A	--	--	--		E	20
21	L		LTG. 1625, 1628	1	20	B	50	3	COMPRESSOR 2 MECH.		E	22
23			BUSSED SPACE			C	--	--	--		E	24
25			BUSSED SPACE			A	--	--	--		E	26
27			BUSSED SPACE			B			BUSSED SPACE			28
29			BUSSED SPACE			C			BUSSED SPACE			30

CCT TYPE: L=LIGHTING, R=RECEPTACLE, M=MOTOR, LM=LARGEST MOTOR, E=EQUIPMENT, KE=KITCH EQUIP, S=SUBFEED PANEL

CCT TYPE:	LOAD	MULT	DEMANDED LOAD
LIGHTING:	0	1.25	0 VA
RECEPTACLE:	0	1.0	0 VA
OVER 10K:	0	0.5	0 VA
MOTOR:	0	1.0	0 VA
LGST MOTOR:	0	1.25	0 VA
EQUIPMENT:	0	1.0	0 VA
KITCH EQUIP:	0	0	0 VA
SUBFEED PNL:	0	1.0	0 VA

TOTAL CONNECTED LOADS

	A	B	C
VA	0	0	0

TOTAL DEMANDED LOADS

	A	B	C
VA	0	0	0
AMPS	0	0	0

TOTAL ON PANEL: 0 KVA, 0 AMPS

NOTES:

EXISTING PANEL 'L218'

VOLTAGE L-L: 208 | LOCATION: TELE
VOLTAGE L-N: 120 | BUS RATING: 250 AMPS
TYPE: 3PH/4W | MAIN CB: 225 A/3P
MOUNTING: SURFACE | S.C. RATING: REFER TO FAULT CALC TABLE
NOTES: EXISTING | FED FROM:

CIR. NO	CCT TYPE	LOAD VA	LOAD DESCRIPTION	CIRCUIT BRKR POLE	CIRCUIT BRKR TRIP	BUS	CIRCUIT BRKR TRIP	CIRCUIT BRKR POLE	LOAD DESCRIPTION	LOAD VA	CCT TYPE	CIR NO
1	R		RECEPT. NORTH WALL	1	20	A	20	1	FURNITURE WHIP		E	2
3	R		RECEPT. NORTH WALL	1	20	B	20	1	FURNITURE WHIP		E	4
5			DEP CT. LAN RK.	1	20	C	20	1	FURNITURE WHIP		E	6
7	R		RECEPT. MECH ROOM	1	20	A	30	2	SPARE			8
9			SPARE	1	20	B	--	--	--			10
11	R		HALL RECEPT.	1	20	C	20	1	RECEPT. ROOM 2404		R	12
13	R		DED. PHONE RECEPT.	1	30	A	20	1	KIT. RECEPT.		R	14
15			SPARE	1	20	B	20	1	COPY MACHINE HALLWAY		E	16
17			SPARE	1	20	C	20	1	DED. FURNITURE		E	18
19	E		FURNITURE WHIP	1	20	A	20	1	WATER COOLER		E	20
21	E		FURNITURE WHIP	1	20	B	20	1	WATER COOLER		E	22
23	E		FURNITURE WHIP	1	20	C	20	1	COPIER RECEPT. 2700		E	24
25	E		DED. FURN (OFF)	1	20	A	20	1	RECEPT. LAB 2395		R	26
27	R		RECEPT. LAB 2395	1	20	B	20	1	RECEPT. LAB 2395		R	28
29	R		RECEPT. LAB 2395	1	20	C	20	1	SYSTEM FURN. 2406		E	30
31	R		RECEPT. LAB 2395	1	20	A	20	1	SYSTEM FURN. 2406		E	32
33			SPARE	1	20	B	20	1	EXHAUST FAN 2400		LM	34
35	R		DED. RECEPT. KIT	1	20	C	20	1				36
37			SPARE	2	20	A	20	1	TV CONF. ROOM		E	38
39			--	--	--	B	20	1	SPARE			40
41	R		DED. PHONE RECEPT.	1	20	C	20	1	ACCESS CONTROL			42

CCT TYPE: L=LIGHTING, R=RECEPTACLE, M=MOTOR, LM=LARGEST MOTOR, E=EQUIPMENT, KE=KITCH EQUIP, S=SUBFEED PANEL

CCT TYPE:	LOAD	MULT	DEMANDED LOAD
LIGHTING:	0	1.25	0 VA
RECEPTACLE:	0	1.0	0 VA
OVER 10K:	0	0.5	0 VA
MOTOR:	0	1.0	0 VA
LGST MOTOR:	0	1.25	0 VA
EQUIPMENT:	0	1.0	0 VA
KITCH EQUIP:	0	0	0 VA
SUBFEED PNL:	0	1.0	0 VA

TOTAL CONNECTED LOADS

	A	B	C
VA	0	0	0

TOTAL DEMANDED LOADS

	A	B	C
VA	0	0	0
AMPS	0	0	0

TOTAL ON PANEL: 0 KVA, 0 AMPS

NOTES:

8/8/2019 8:25:34 AM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 – SUITE 246
DENVER, COLORADO – 80255
303.236.0855 Phone | **720.412.2812** Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

CERTIFICATIONS

COLORADO LICENSED PATRICK DURHAM 51623 08/08/2019 PROFESSIONAL ENGINEER

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDERSON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

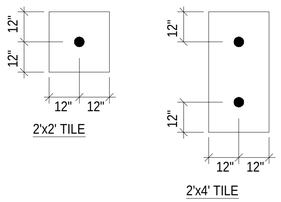
PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CONSTRUCTION DOCUMENTS
SUB. DATE	7/25/2019

DRAWING

DRAWING TITLE	ELECTRICAL PANEL SCHEDULES
FILE NAME	
FLOOR NO.	
DRAWN BY	DATE DRAFTED:
CHECKED BY	SHEET SIZE: 22X34
DRAWING NO.	E 7 11
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 40 OF 50

PLAN VIEW



2'x2' TILE

2'x4' TILE

SPRINKLER HEAD POSITION AT ACOUSTIC CEILING TILES

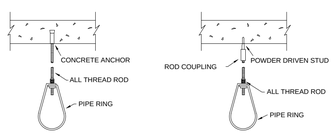
REMODEL LEGEND

- EXISTING SPRINKLER HEAD LOCATION
- A — ADDED SPRINKLER
- R — RELOCATED SPRINKLER
- E E — EXISTING TO REMAIN
- P — PLUGGED OUTLET

FIRE PROTECTION SYMBOL LEGEND

⊗	SYSTEM RISER	P	PLUG OUTLET
○	PIPE RISE	xx'	HEAD ELEVATION
●	PIPE DROP	XX	WELD PIPE FAB. TAG
▶	PIPE REDUCER	X	PIPE FAB. TAG
⊲	PIPE CAP	✣	4-WAY EARTHQUAKE BRACE
⊲	PIPE PLUG	⌇	2-WAY EARTHQUAKE BRACE
	PIPE COUPLING		FIRE DEPT CONNECTION
	FIRE HOSE CABINET		HORN/STROBE # INDICATES CANDELA
	AUXILARY DRAIN	A	ADD SPRINKLER HEAD
	CONTROL VALVE	R	RELOCATED SPRINKLER HEAD
TC	INSP. TEST CONN.	P	PLUGGED OUTLET
	PIPE HANGER		NEW PIPE
X	HYDRAULIC NODE		EXISTING PIPE
XX	PIPE ELEVATION		
X	SHEET NOTE		

FIRE SPRINKLER LEGEND



DRILLED CONC. ANCHOR HANGER

POWDER DRIVEN STUD HANGER

HANGER DETAILS

1. THE EXISTING FIRE SPRINKLER SYSTEM (UPRIGHTS & PENDENTS) SHALL BE REVISED TO PROVIDE COVERAGE FOR THE REMODELED AREAS. NEW SPRINKLER DESIGN AND INSTALLATION WILL BE IN ACCORDANCE WITH NFPA 13 (2016 ED.) AND GSA REQUIREMENTS. GENERAL SERVICES ADMINISTRATION REPRESENTATIVE IS THE AUTHORITY HAVING JURISDICTION.

2.THE INTEGRITY OF THE EXISTING FIRE SUPPRESSION SYSTEM SHALL BE MAINTAINED DURING CONSTRUCTION. PROTECT EXISTING EQUIPMENT AND PIPING.

3. THE CONTRACTOR SHALL PROVIDE FIRE WATCH PER THE GUIDELINES FOR "GSA FIRE WATCH" AND SHALL MEET ALL FIRE WATCH REQUIREMENTS.

4. THE SYSTEM SHALL BE TESTED PER GSA PBS P-100 TECHNICAL GUIDE F.11.07.0494.

5. SPRINKLER DESIGN SHOWN PROVIDES LIGHT HAZARD DENSITY PROTECTION FOR ALL FINISHED AREAS.

6. NEW MECHANICAL TEES ARE NOT ALLOWED ON THIS PROJECT.

7. ALL STEEL PIPING 2" AND SMALLER SHALL BE SCHEDULE 40 AND SHALL BE THREADED. ALL STEEL PIPE LARGER THEN 2" SHALL BE MINIMUM SCHEDULE 40. PIPING LESS THEN SCHEDULE 40 SHALL BE ROLL GROOVED. ALL PIPING TO MATCH EXISTING INCLUDING, SIZES, PIPE SCHEDULES, RISER NIPPLE, ETC.

8. ALL DASHED PIPE IS EXISTING.

9. ALL SPRINKLER HEAD COUNTS TO BE VERIFIED BY SPRINKLER CONTRACTOR. ALL SPRINKLER HEAD AND SPRINKLER PIPE ELEVATIONS SHALL BE VERIFIED IN FIELD.

10. ALL HEADS IN FINISHED CEILING (GYP OR ACT) SHALL BE REPLACED WITH QUICK RESPONSE CONCEALED SPRINKLER.

11. SPRINKLER LOCATIONS SHALL BE MODIFIED IF POSSIBLE TO AVOID CEILING OBSTRUCTIONS (E.G. LIGHTS) SO THAT TWO-PIECE ESCUTCHEONS ARE NOT REQUIRED.

12. NO MORE THEN 2 HEADS OFF 1" OUTLET.

13. CONTRACTOR TO VERIFY ALL BRANCHLINE AND MAIN PIPING SIZES.

14. FIRE ALARM PANEL IS LOCATED IN FIRE COMMAND CONTROL CENTER LOCATED ON MAIN LEVEL.

15. FIRE ALARM PANEL IS EST3.

17. EXISTING SYSTEM IS A PIPE SCHEDULED SYSTEM. UPRIGHTS ARE SPACED AT 130 MAX.

19. 18" CLEARANCE SHALL BE MAINTAINED FROM SPRINKLER HEADS TO ALL FILING SYSTEMS.

FIRE SPRINKLER SYSTEM DESIGN INFORMATION

SCOPE: THIS PROJECT IS TO REVISE THE EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM IN THE REMODELED AREA USING QUICK RESPONSE SPRINKLER HEADS.

CODES AND STANDARDS

2015 IBC
2015 IFC
NFPA 13 2016
2014 NEC
GSA PBS P-100

BID NOTE:
THESE DRAWINGS ARE DIAGRAMMATIC ONLY. THE AWARDED CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTION OF ALL SUBMITTAL DOCUMENTS, HYDRAULIC CALCULATIONS, BATTERY CALCULATIONS, VOLTAGE DROPS, CONDUIT FILLS AND OBTAINING ALL REQUIRED PERMITS AND APPROVALS. THE AWARDED CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REQUIRED OFFSETS OF SPRINKLER PIPING AS NEEDED FOR ONSITE COORDINATION WITH OTHER TRADES.

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

VERITAS FIRE ENGINEERING, INC.
12364 W Alameda PKWY #135
LAKEWOOD, CO 80228
T:303.985.3300
F:303.985.5594
VERITASFIRE.COM

CERTIFICATION

KEY PLAN

2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTOR

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDEKLMON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CD ISSUE
SUB. DATE	07/25/19

DRAWING

DRAWING TITLE	FP NOTES AND DETAILS
FILE NAME	NRCS BLDG 56 17-889.dwg
FLOOR NO.	2ND FLOOR
DRAWN BY	BE DATE DRAFTED 04/15/2019
CHECKED BY	KLM SHEET SIZE 22X34
DRAWING NO.	FP 1 01
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 41 OF 50

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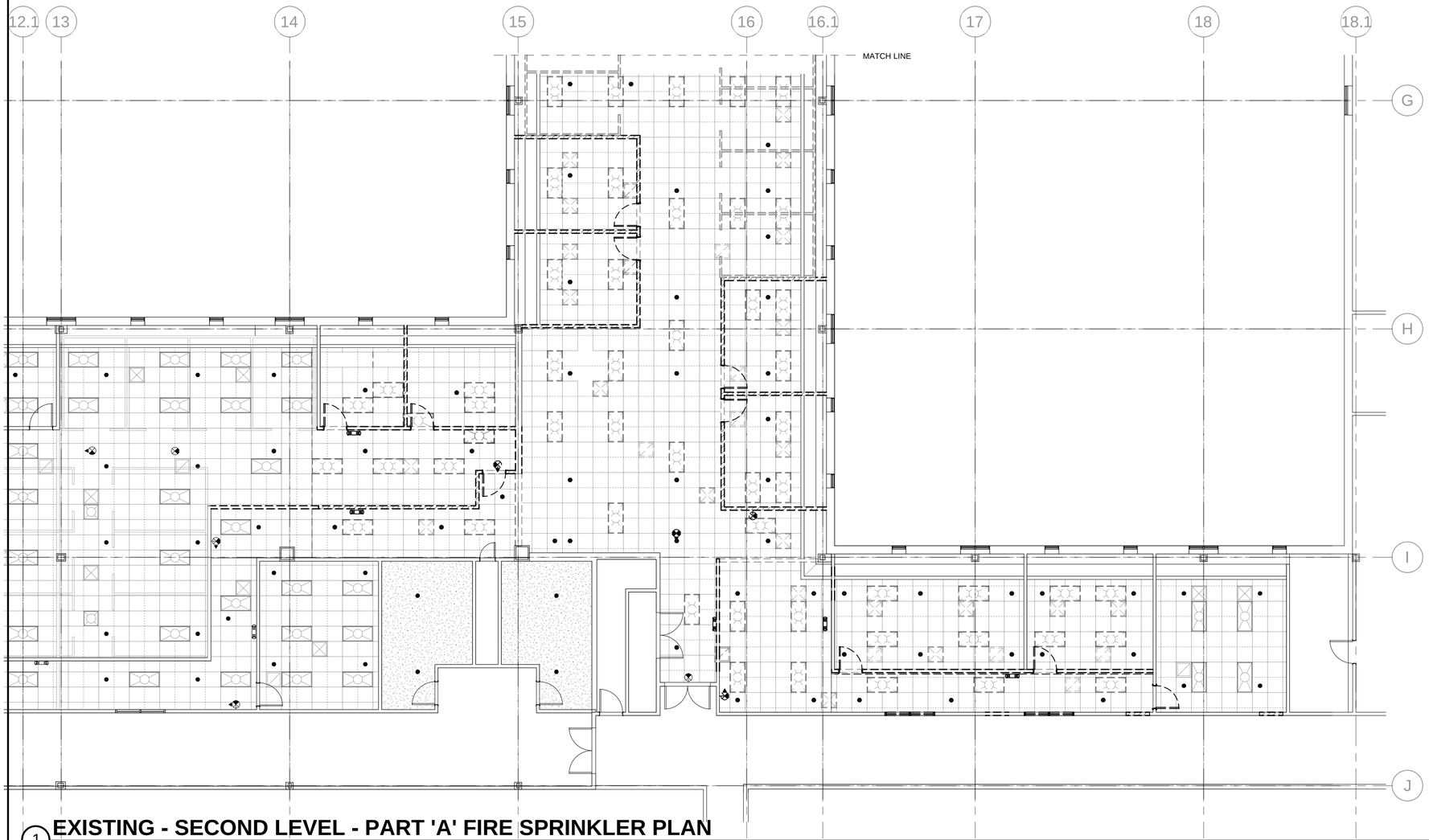
REMODEL LEGEND

- EXISTING SPRINKLER HEAD LOCATION
- A — ADDED SPRINKLER
- R — RELOCATED SPRINKLER
- E E — EXISTING TO REMAIN
- P — PLUGGED OUTLET



1 **EXISTING - SECOND LEVEL - PART 'A' FIRE SPRINKLER PLAN**
1/8" = 1'-0"

GENERAL PLAN NOTES

1. SPRINKLER HEADS SHALL BE RELOCATED OR ADDED TO PROVIDED PROPER COVERAGE
2. PLEASE REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR FIXTURE DEMOLITION.
3. FIRE ALARM DEVICES SHALL BE RELOCATED OR ADDED TO PROVIDE PROPER COVERAGE

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

4/18/2019 12:20:01 PM

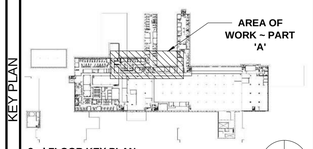
GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

VERITAS FIRE ENGINEERING, INC.
12364 W Alameda PKWY #135
LAKEWOOD, CO 80228
T:303.985.3300
F:303.985.5594
VERITASFIRE.COM

CERTIFICATES — COLORADO REGISTERED 29596 PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN — N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
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CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDEKLMON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

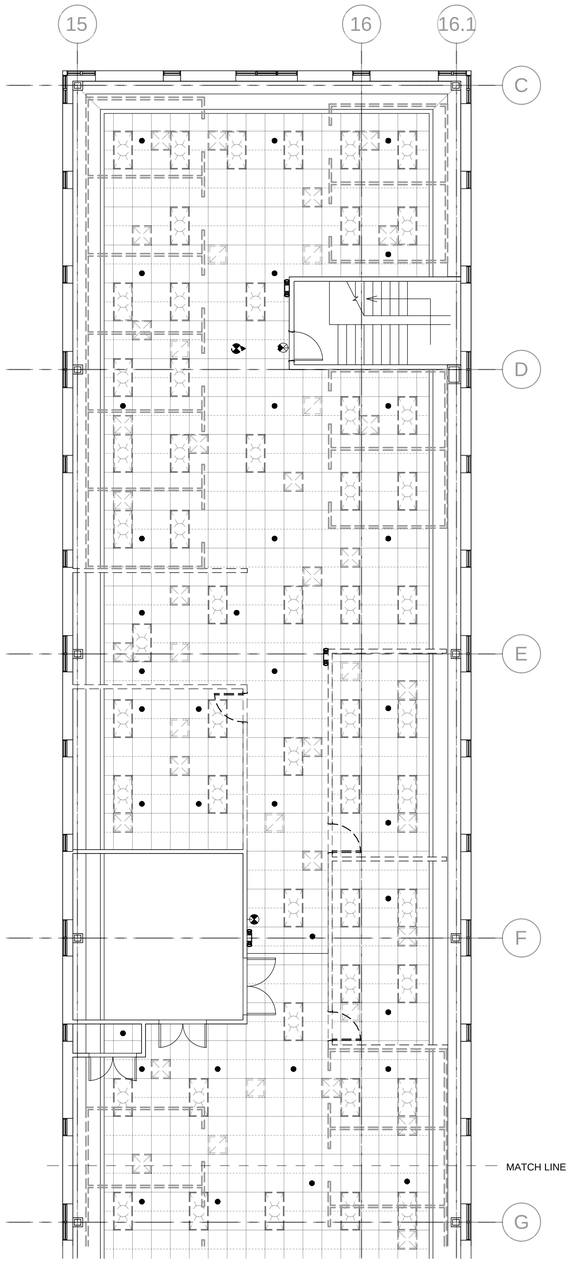
NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CD ISSUE
SUB. DATE	07/25/19

DRAWING

DRAWING TITLE	FIRE SPRINKLER DEMO PLAN - PART 'A'
FILE NAME	NRCS BLDG 56 17-889.dwg
FLOOR NO.	2ND FLOOR
DRAWN BY	BE DATE DRAFTED04/15/2019
CHECKED BY	KLM SHEET SIZE22X34
DRAWING NO.	FP 1 02
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 42 OF 50



1 **EXISTING - SECOND LEVEL - PART 'B' FIRE SPRINKLER PLAN**
1/8" = 1'-0"

N

REMODEL LEGEND

- EXISTING SPRINKLER HEAD LOCATION
- A ADDED SPRINKLER
- R RELOCATED SPRINKLER
- E E EXISTING TO REMAIN
- P PLUGGED OUTLET

GENERAL PLAN NOTES

1. SPRINKLER HEADS SHALL BE RELOCATED OR ADDED TO PROVIDED PROPER COVERAGE
2. PLEASE REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR FIXTURE DEMOLITION.
3. FIRE ALARM DEVICES SHALL BE RELOCATED OR ADDED TO PROVIDE PROPER COVERAGE

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

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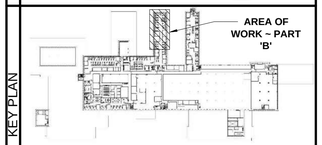
CERTIFICATION

KEY PLAN



2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTOR

A/E CON. NO.	GS-08P-JB-D-0017
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SUB A/E	
CONSTR. CON.	

BUILDING

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CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
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DRAWING

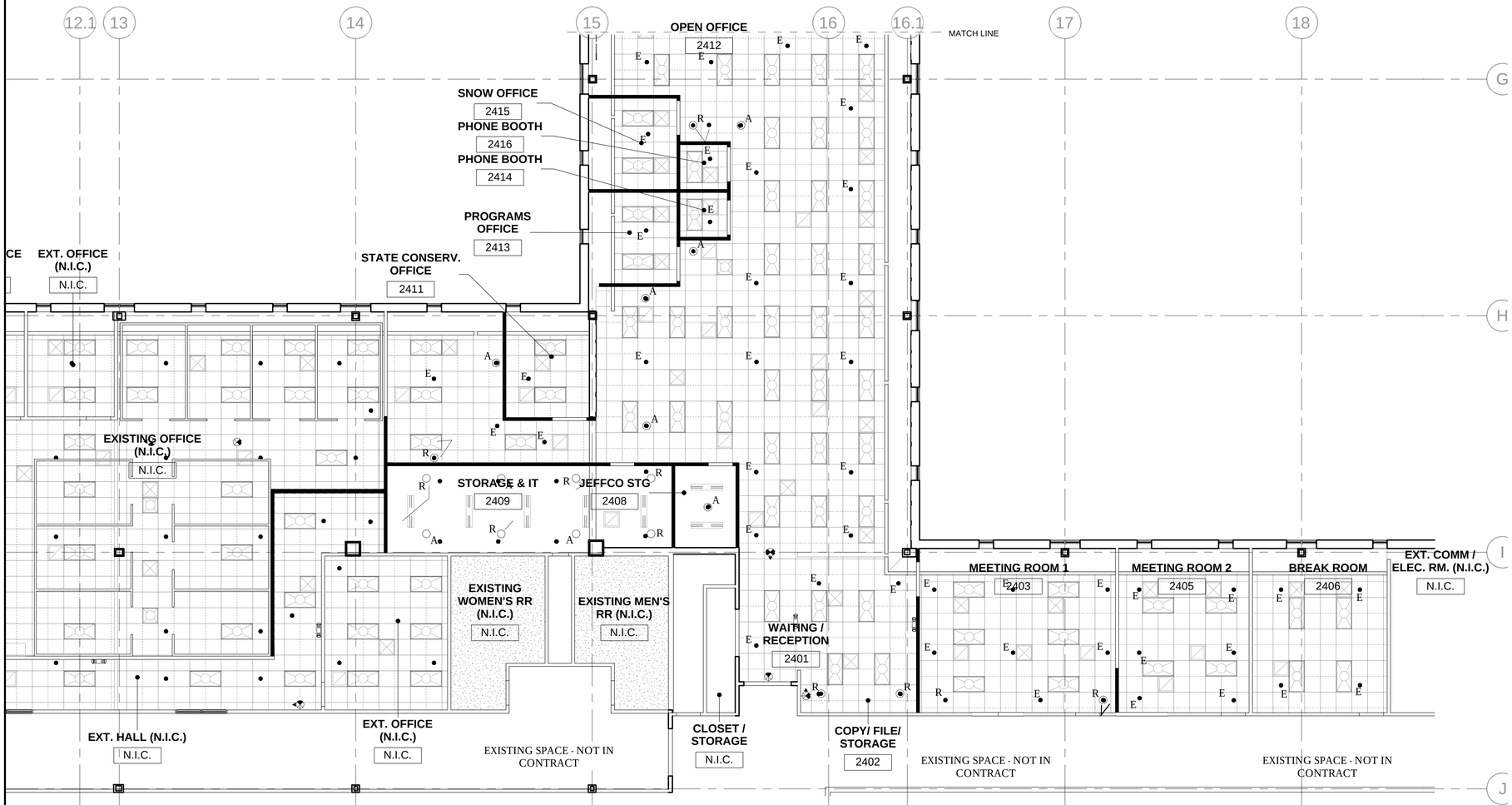
DRAWING TITLE	FIRE SPRINKLER DEMO PLAN - PART 'A'
FILE NAME	NRCS BLDG 56 17-889.dwg
FLOOR NO.	2ND FLOOR
DRAWN BY	BE DATE DRAFTED04/15/2019
CHECKED BY	KLM SHEET SIZE22X34
DRAWING NO.	FP 1 03

DISCIPLINE SHEET TYPE SEQUENCE

SHEET 43 OF 50

REMODEL LEGEND

- EXISTING SPRINKLER HEAD LOCATION
- A — ADDED SPRINKLER
- R — RELOCATED SPRINKLER
- E E — EXISTING TO REMAIN
- P — PLUGGED OUTLET



1 SECOND LEVEL - PART 'A' FIRE SPRINKLER PLAN

1/8" = 1'-0"

N

GENERAL PLAN NOTES

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100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
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4/18/2019 12:20:01 PM

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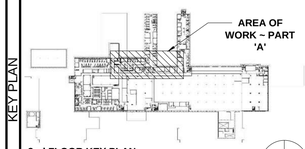
CERTIFICATION

COLORADO REGISTERED 29598 PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN

N

REVISION NOTES

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PRIM A/E	ANDEKLMON HALLAS ARCHITECT PC
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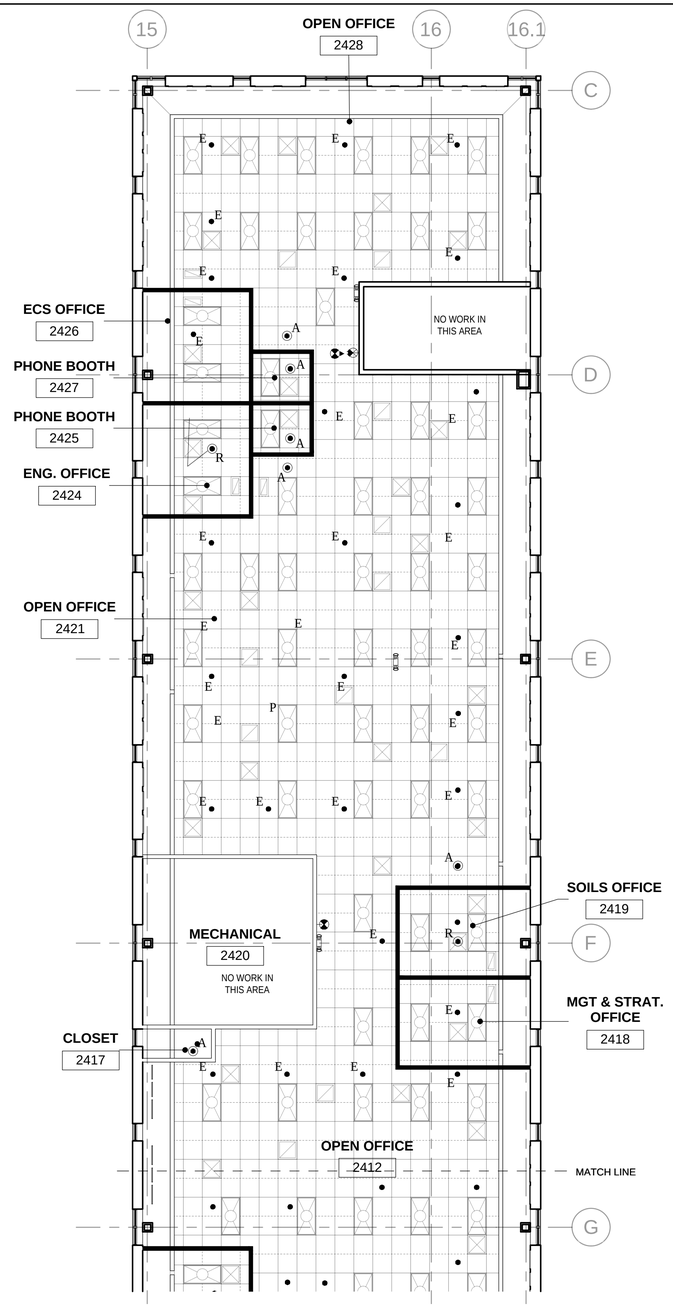
GSA PM	BEN REKO
SUBMISSION	100% CD ISSUE
SUB. DATE	07/25/19

DRAWING

DRAWING TITLE	FIRE SPRINKLER PLAN - PART 'A'
FILE NAME	NRCS BLDG 56 17-889.dwg
FLOOR NO.	2ND FLOOR
DRAWN BY	BE DATE DRAFTED10/06/2017
CHECKED BY	DCA / KLM SHEET SIZE22X34
DRAWING NO.	FP 1 04
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 44 OF 50



REMODEL LEGEND

- EXISTING SPRINKLER HEAD LOCATION
- A — ADDED SPRINKLER
- R — RELOCATED SPRINKLER
- E E — EXISTING TO REMAIN
- P — PLUGGED OUTLET

1 SECOND LEVEL - PART 'B' FIRE SPRINKLER PLAN

1/8" = 1'-0"

N

GENERAL PLAN NOTES

1. SPRINKLER HEADS SHALL BE RELOCATED OR ADDED TO PROVIDED PROPER COVERAGE
2. PLEASE REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR FIXTURE DEMOLITION.
3. FIRE ALARM DEVICES SHALL BE RELOCATED OR ADDED TO PROVIDE PROPER COVERAGE

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

4/18/2019 12:20:01 PM

GENERAL SERVICES ADMINISTRATION
Ben Reko
Project Manager
D.F.C. BUILDING 41 ~ SUITE 246
DENVER, COLORADO ~ 80255
303.236.0855 Phone | 720.412.2812 Cell
benjamin.reko@gsa.gov

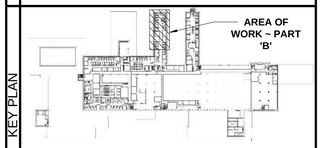
ANDERSON HALLAS ARCHITECTS, PC
715 FOURTEENTH STREET
GOLDEN, COLORADO 80401
(303) 278-4378
FAX (303) 278-0521
Principal: Dave Anderson
AIA, LEED AP
daveanderson@andarch.com

VERITAS FIRE ENGINEERING, INC.
12364 W Alameda PKWY #135
LAKEWOOD, CO 80228
T:303.985.3300
F:303.985.5594
VERITASFIRE.COM

CERTIFICATION

COLORADO REGISTERED 29596 PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTOR'S

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDEKLMON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

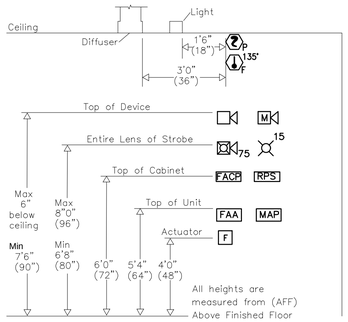
NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CD ISSUE
SUB. DATE	07/25/19

DRAWING

DRAWING TITLE	FIRE SPRINKLER PLAN - PART 'B'
FILE NAME	NRCS BLDG 56 17-889.dwg
FLOOR NO.	2ND FLOOR
DRAWN BY	BE
DATE DRAFTED	10/06/2017
CHECKED BY	DCA / KLM
SHEET SIZE	22X34
DRAWING NO.	FP 1 05
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 45 OF 50



TYPICAL DEVICE MOUNTING HEIGHTS

DESCRIPTION	CLASS	TYPE
SIGNALING LINE CIRCUITS	B	2 #16 AWG FPLP
HORN/STROBE CIRCUITS	A	2 #14 AWG FPLP
INITIATING DEVICE CIRCUITS	B	2 #18 AWG FPLP
SBUS (RS485) CIRCUIT		4 #16 AWG FPLP
REMOTE TEST STATION		4 #18 AWG FPLP

Wire is to be run exposed above 8 feet AFF, power limited

WIRE CHART

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
P	SMOKE DETECTOR (PHOTOELECTRIC)
P	PULL STATION
	WATERFLOW SWITCH
	VALVE WITH TAMPER SWITCH
C 75	HORN WITH STROBE (NUMBER INDICATES CANDELA) (C INDICATES CEILING MOUNT)
15	STROBE (NUMBER INDICATES CANDELA)
C 75 1/4W	SPEAKER WITH STROBE (NUMBER INDICATES CANDELA) (C INDICATES CEILING MOUNT;NUMBER WITH X/Xw INDICATES TAPPED WATTAGE)
S W 1/4	CEILING MOUNT SPEAKER (NUMBER INDICATES TAPPED WATTAGE: W=WALL MOUNT)
EOL RE	END OF LINE RESISTOR
	FIRE DEPARTMENT CONNECTION
P	DUCT DETECTOR
RTS	REMOTE TEST/RESET STATION
R	REMOTE INDICATING LIGHT
135° F	HEAT DETECTOR FIXED TEMP
10'-0"	CEILING HEIGHT

R-RELOCATE
E-EXISTING TO REMAIN
A-NEW

FIRE ALARM SYSTEM DESIGN INFORMATION

SCOPE: THIS PROJECT IS TO REVISE AND EXTEND A FIRE DETECTION AND NOTIFICATION SYSTEM IN THE REMODELED AREA.

CODES AND STANDARDS

2015 IBC
NFPA 72 2013
2014 NEC
GSA PBS P-100

GENERAL NOTES

1. TEMPORARILY RE-ROUTE WIRING AND PROTECT AND SUPPORT EXISTING EQUIPMENT DURING CONSTRUCTION OPERATIONS TO MAINTAIN SYSTEM OPERABILITY.
2. ALL NEW FIRE CABLING THROUGH THE PROJECT SPACE IS TO BE PLACED IN CONDUIT. NO RUNS OF MORE THAN FOUR FEET OF FLEX CONDUIT ARE ALLOWED. ALL FIRE ALARM CONDUITS SHALL BE IDENTIFIED BY RED MARKINGS EVERY 20 FEET. ALL FIRE ALARM JUNCTION BOXES SHALL BE IDENTIFIED BY RED JUNCTION COVER PLATES.
3. NEW SPEAKER/STROBES OR STROBES SHALL MATCH EXISTING BUILDING DEVICES.
4. GENERAL SERVICES ADMINISTRATION REPRESENTATIVE SHALL BE THE AUTHORITY HAVING JURISDICTION.
5. NOTIFICATION APPLIANCE CIRCUITS SHALL HAVE A MINIMUM OF 25% SPARE CAPACITY.
6. FIRE ALARM WORK SHALL FOLLOW THE ARCHITECTURAL PHASING AS SET OUT ON SHEET NRCS BLDG 56 17-889X.
7. PREVENT NUISANCE ALARMS DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL PROVIDE FIRE WATCH PER THE GUIDELINES FOR "GSA FIRE WATCH" AND SHALL MEET ALL FIRE WATCH REQUIREMENTS.
9. IF ADDITIONAL POWER SUPPLIES ARE REQUIRED, LOCATION SHALL BE APPROVED BY THE CONTRACTING OFFICER.
10. FIRE ALARM CONTROL IS LOCATED IN THE FIRE COMMAND CONTROL CENTER LOCATED ON THE MAIN LEVEL ROOM 101.
11. EXISTING FIRE ALARM PANEL IS A SIMPLEX 4100.

BID NOTE:
THESE DRAWINGS ARE DIAGRAMMATIC ONLY. THE AWARDED CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTION OF ALL SUBMITTAL DOCUMENTS, HYDRAULIC CALCULATIONS, BATTERY CALCULATIONS, VOLTAGE DROPS, CONDUIT FILLS AND OBTAINING ALL REQUIRED PERMITS AND APPROVALS. THE AWARDED CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REQUIRED OFFSETS OF SPRINKLER PIPING AS NEEDED FOR ONSITE COORDINATION WITH OTHER TRADES.

100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
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CERTIFICATION

KEY PLAN

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

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A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDEKLMON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

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PROJECT

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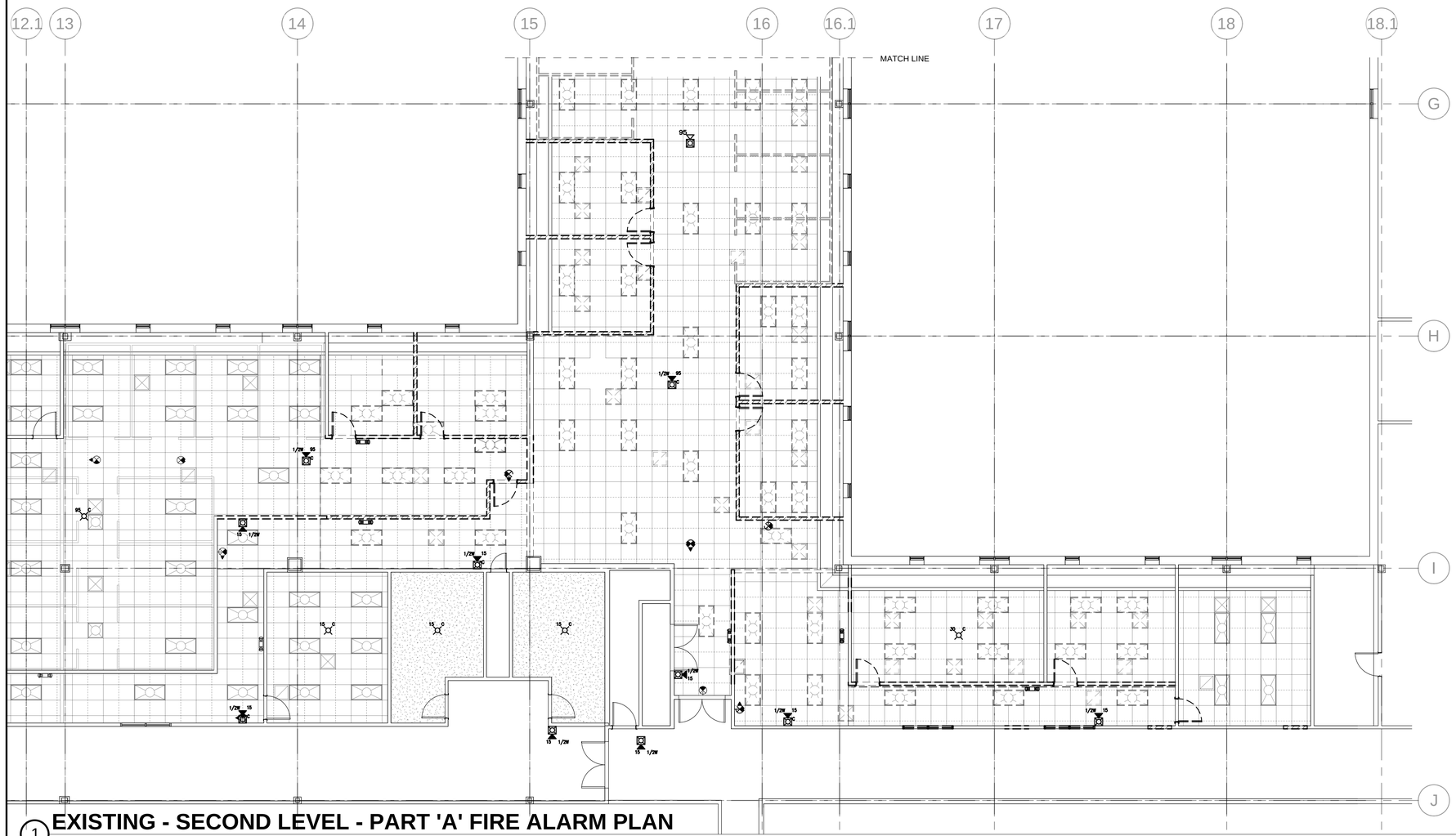
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CD ISSUE
SUB. DATE	07/25/19

DRAWING

DRAWING TITLE	FA NOTES AND DETAILS
FILE NAME	NRCS BLDG 56 17-889
FLOOR NO.	2ND FLOOR
DRAWN BY	BE
DATE DRAFTED	04/15/2019
CHECKED BY	KLM
SHEET SIZE	22X34
DRAWING NO.	FA 1 01
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 46 OF 50



1 **EXISTING - SECOND LEVEL - PART 'A' FIRE ALARM PLAN**
1/8" = 1'-0"

N

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
S P	SMOKE DETECTOR (PHOTOELECTRIC)
P	PULL STATION
F	WATERFLOW SWITCH
V T F	VALVE WITH TAMPER SWITCH
C 75 15	HORN WITH STROBE (NUMBER INDICATES CANDELA) (C INDICATES CEILING MOUNT) STROBE (NUMBER INDICATES CANDELA)
C 75 1/4W	SPEAKER WITH STROBE (NUMBER INDICATES CANDELA) (C INDICATES CEILING MOUNT;NUMBER WITH X/Xw INDICATES TAPPED WATTAGE)
S W 1/4	CEILING MOUNT SPEAKER (NUMBER INDICATES TAPPED WATTAGE: W=WALL MOUNT)
EOL RE	END OF LINE RESISTOR
	FIRE DEPARTMENT CONNECTION
S P	DUCT DETECTOR
RTS	REMOTE TEST/RESET STATION
	REMOTE INDICATING LIGHT
135° F	HEAT DETECTOR FIXED TEMP
10'-0"	CEILING HEIGHT

R-RELOCATE
E-EXISTING TO REMAIN
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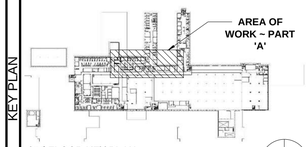
KEY PLAN



2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

CONTRACTORS GRAPHIC SCALE

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
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PRIM A/E	ANDEKLMON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

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STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
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OTHER BUILDING NOs	
FACILITY CODE	

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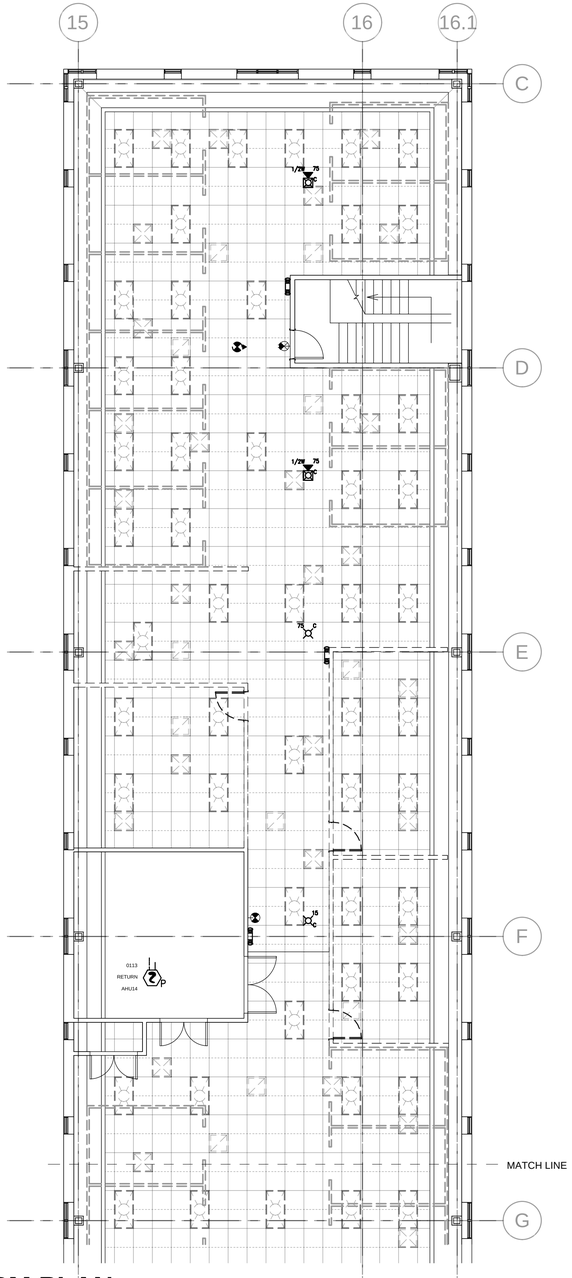
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CD ISSUE
SUB. DATE	07/25/19

DRAWING

DRAWING TITLE	FIRE ALARM DEMO PLAN - PART 'A'
FILE NAME	NRCS BLDG 56 17-889.dwg
FLOOR NO.	2ND FLOOR
DRAWN BY	BE DATE DRAFTED 04/15/2019
CHECKED BY	KLM SHEET SIZE 22X34

DRAWING NO. **FAD1 02**
DISCIPLINE SHEET TYPE SEQUENCE
SHEET 47 OF 50



1 EXISTING - SECOND LEVEL - PART 'A' FIRE ALARM PLAN

1/8" = 1'-0"

N

SYMBOL	DESCRIPTION
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FAA	FIRE ALARM ANNUNCIATOR
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P	PULL STATION
	WATERFLOW SWITCH
	VALVE WITH TAMPER SWITCH
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EOL RE	END OF LINE RESISTOR
	FIRE DEPARTMENT CONNECTION
P	DUCT DETECTOR
MS	REMOTE TEST/RESET STATION
	REMOTE INDICATING LIGHT
135° F	HEAT DETECTOR FIXED TEMP
10'-0"	CEILING HEIGHT

R-RELOCATE
E-EXISTING TO REMAIN
A-NEW

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100% CONSTRUCTION DOCUMENTS

BUILDING 56 - 2ND FLOOR
NRCS CONSOLIDATION
-- FOR CONSTRUCTION --

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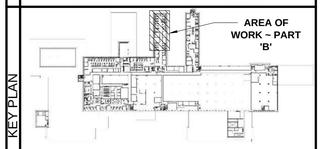
CERTIFICATION

STATE OF COLORADO 29596 REGISTERED PROFESSIONAL ENGINEER

KEY PLAN



2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTOR

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDEKLMON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
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PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CD ISSUE
SUB. DATE	07/25/19

DRAWING

DRAWING TITLE	FIRE ALARM DEMO PLAN - PART 'A'
FILE NAME	NRCS BLDG 56 17-889.dwg
FLOOR NO.	2ND FLOOR
DRAWN BY	BE DATE DRAFTED 04/15/2019
CHECKED BY	KLM SHEET SIZE 22X34
DRAWING NO.	FAD1 03
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 48 OF 50

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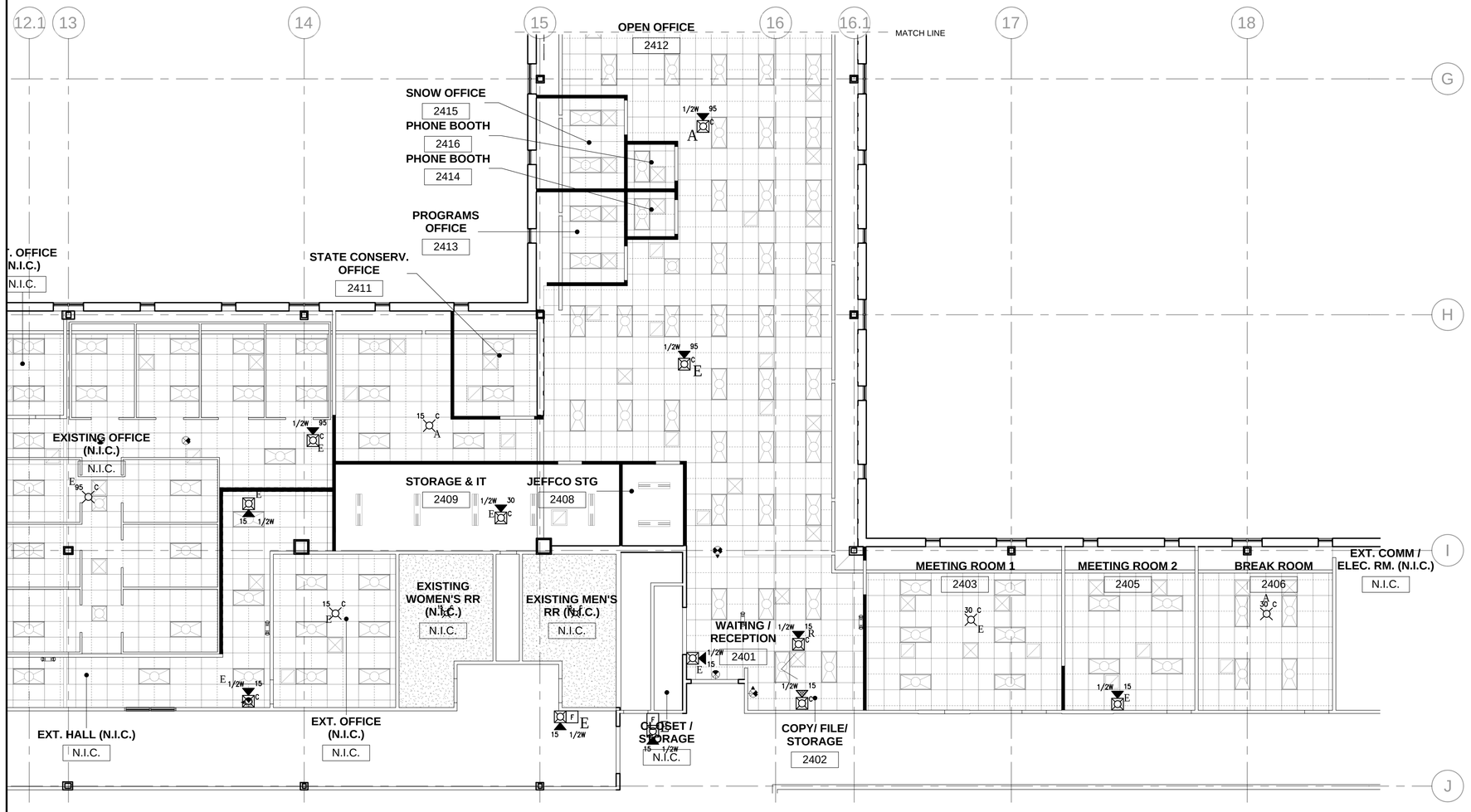

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
	SMOKE DETECTOR (PHOTOELECTRIC)
	PULL STATION
	WATERFLOW SWITCH
	VALVE WITH TAMPER SWITCH
	HORN WITH STROBE (NUMBER INDICATES CANDELA) (C INDICATES CEILING MOUNT) STROBE (NUMBER INDICATES CANDELA)
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	CEILING MOUNT SPEAKER (NUMBER INDICATES TAPPED WATTAGE: W=WALL MOUNT)
EOL	END OF LINE RESISTOR
	FIRE DEPARTMENT CONNECTION
	DUCT DETECTOR
RTS	REMOTE TEST/RESET STATION
	REMOTE INDICATING LIGHT
	HEAT DETECTOR FIXED TEMP
10'-0"	CEILING HEIGHT

R-RELOCATE
E-EXISTING TO REMAIN
A-NEW

1 SECOND LEVEL - PART 'A' FIRE ALARM PLAN

1/8" = 1'-0"

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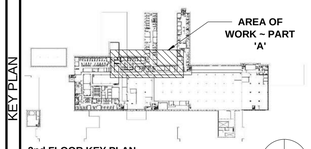

2nd FLOOR KEY PLAN

N

REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

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A/E TASK NO.	EP-GS-P-08-16-JB-7053
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PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
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DRAWN BY	BE DATE DRAFTED:
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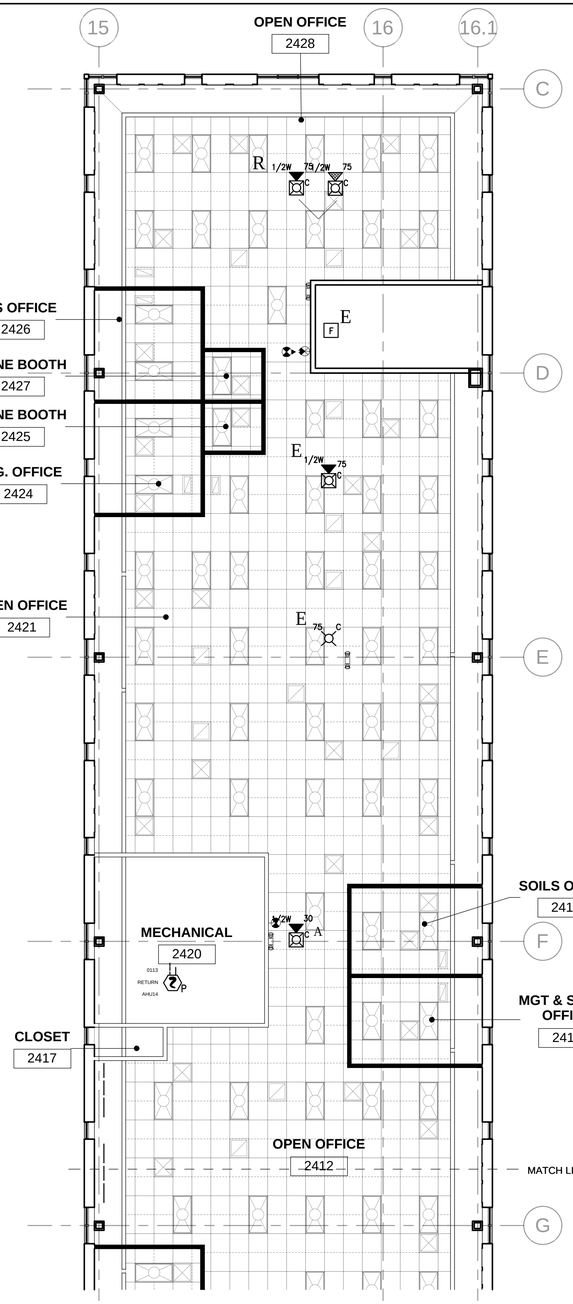
	SHEET 49 OF 50



1 SECOND LEVEL - PART 'B' FIRE ALARM PLAN

1/8" = 1'-0"

N

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
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	VALVE WITH TAMPER SWITCH
	HORN WITH STROBE (NUMBER INDICATES CANDELA) (C INDICATES CEILING MOUNT)
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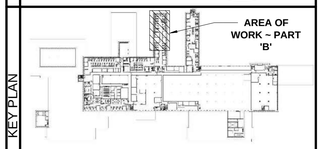

2nd FLOOR KEY PLAN

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REVISION NOTES

MARK	DATE	DESCRIPTION

GRAPHIC SCALE

CONTRACTORS

A/E CON. NO.	GS-08P-JB-D-0017
A/E TASK NO.	EP-GS-P-08-16-JB-7053
CONS. CONTR.	GS-08P-13-JB-D-0032
CONS. WORK	
PRIM A/E	ANDEKLMON HALLAS ARCHITECT PC
SUB A/E	
CONSTR. CON.	

BUILDING

NAME	BUILDING 56
STREET	6TH STEET
CITY/ST./ZIP	DENVER, COLORADO 80255
BUILDING NO.	BUILDING 56
OTHER BUILDING NOs	
FACILITY CODE	

PROJECT

PROJECT TITLE	BUILDING 56 - NRCS
PROJECT DESCRIPTION	BUILDING 56 - 2ND FLOOR NRCS CONSOLIDATION
PROJECT NO.	EP-GS-P-08-16-JB-7053
GSA PM	BEN REKO
SUBMISSION	100% CD ISSUE
SUB. DATE	07/25/19

DRAWING

DRAWING TITLE	FIRE ALARM DEMO PLAN - PART 'B'
FILE NAME	NRCS BLDG 56 17-889.dwg
FLOOR NO.	2ND FLOOR
DRAWN BY	BE DATE DRAFTED:
CHECKED BY	KLM SHEET SIZE 22X34
DRAWING NO.	FA 1 05
	DISCIPLINE SHEET TYPE SEQUENCE
	SHEET 50 OF 50