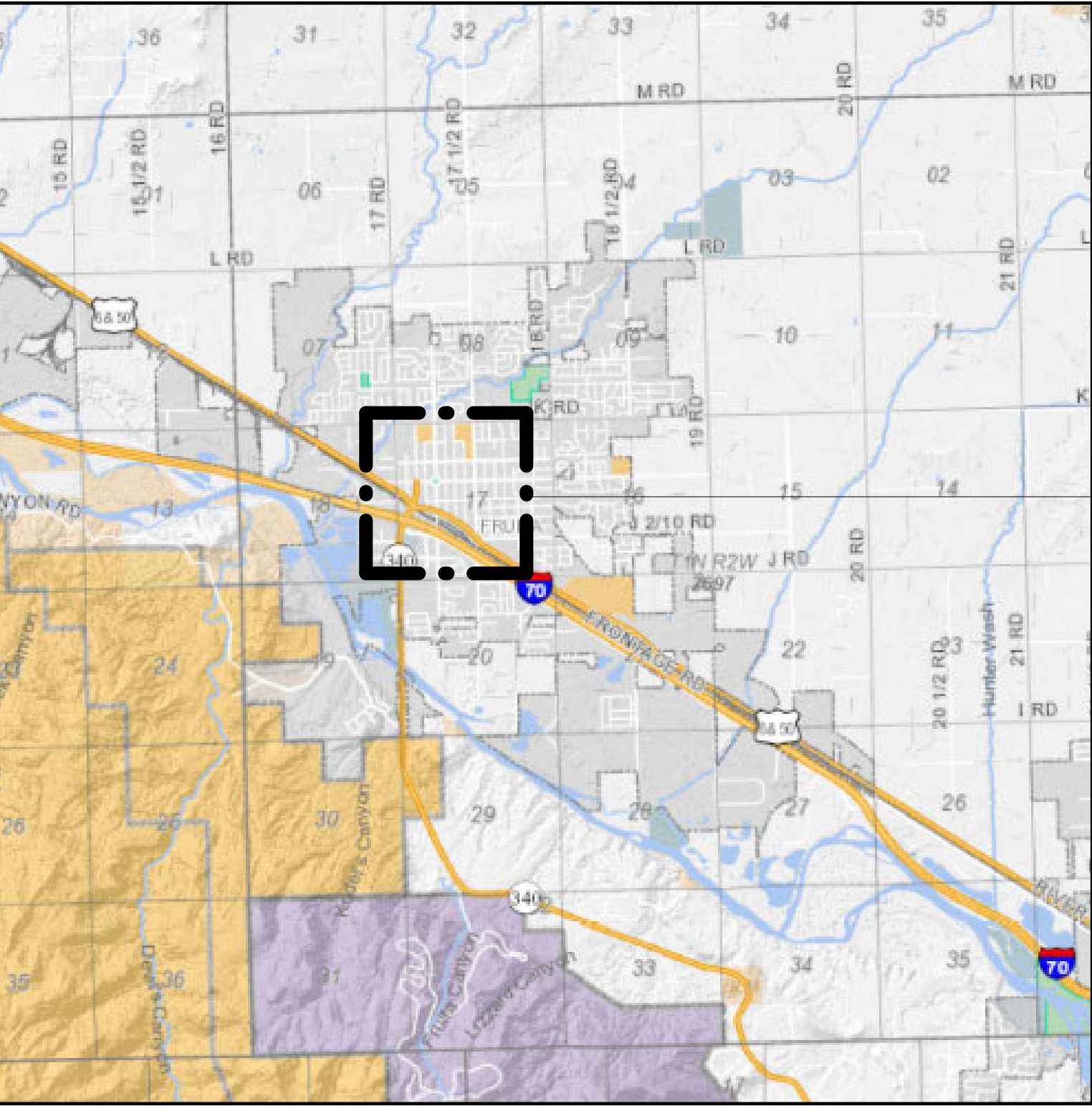


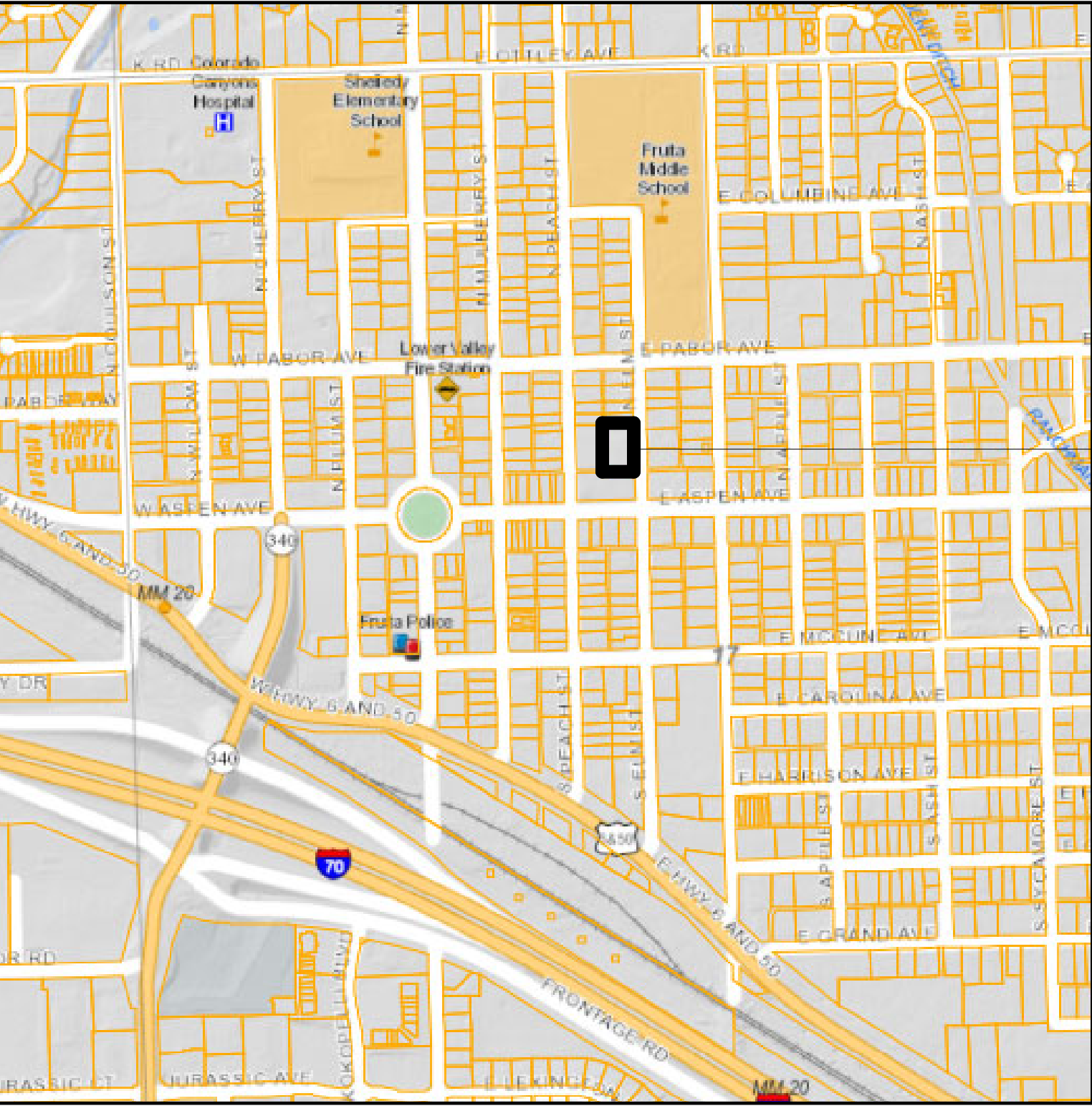
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BM380/02146 - Fruita Civic Center Remodel(2146)FCC.v1

LOCALITY MAP



VICINITY MAP

VICINITY MAP



PROJECT ADDRESS:
325 E. ASPEN AVE
FRUITA, CO 81521

FRUITA CIVIC CENTER OFFICE REMODEL

FRUITA, COLORADO

OWNER

CITY OF FRUITA
325 E Aspen Ave
Fruita, CO 81521

DESIGN TEAM

ARCHITECT:
CHAMBERLIN ARCHITECTS
437 Main St.
Grand Junction, CO 81501
(970) 242-6804

STRUCTURAL:
BUCKHORN ENGINEERING
222 S. Park Avenue
Montrose, CO 81401
(970) 497-8845

MECHANICAL:
RALSTON MECHANICAL CONSULTING
356 Echo Canyon Court
Grand Junction, CO 81507
(970) 434-9819

ELECTRICAL:
RON SLADE PE LLC
745 Rood Ave
Grand Junction, CO 81501
(970) 201-4302

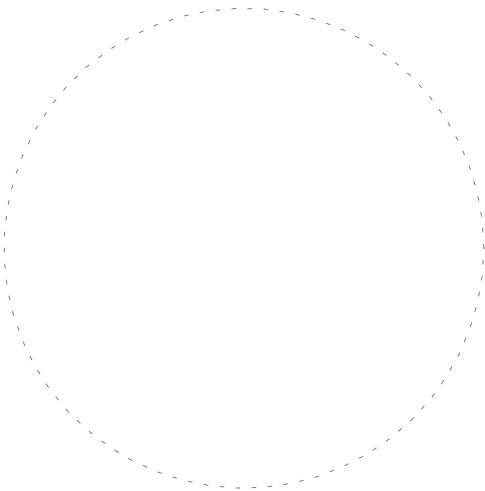
DRAWING LIST

GENERAL	
G001	COVER SHEET
ARCHITECTURAL	
A001	NOTES, SYMBOLS, ABBREVIATIONS AND WALL TYPES
A002	CODE CHECKLIST & LIFE SAFETY PLAN
A101	DEMO & NEW FLOOR PLANS
A121	REFLECTED CEILING PLANS
A401	INTERIOR ELEVATIONS
A402	INTERIOR ELEVATIONS AND FURNITURE PLAN
A701	DOOR SCHEDULE, DOOR & FRAME TYPES
A711	DETAILS
STRUCTURAL	
S100	STRUCTURAL FRAMING DETAILS
S200	1ST FLOOR STRUCTURAL MODIFICATIONS
MECHANICAL	
M001	MECHANICAL LEGEND AND SCHEDULES
M002	MECHANICAL SPECIFICATIONS
M011	MECHANICAL DEMOLITION PLANS
M101	MECHANICAL PLAN
ELECTRICAL	
E001	TITLE SHEET DETAILS SCHEDULES
E101	DEMOLITION LIGHTING POWER
E701	SPECIFICATIONS



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FRUITA CIVIC CENTER - OFFICE REMODEL

FRUITA, COLORADO

COVER SHEET

NO: ISSUED FOR: DATE:



PROJECT STATUS:
CONSTRUCTION DOCUMENTS

DATE: 11/7/2022 SHEET NO:

PROJECT NO: 2146.02

G001

A001

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LIFE SAFETY LEGEND

- PATH

56'-0"

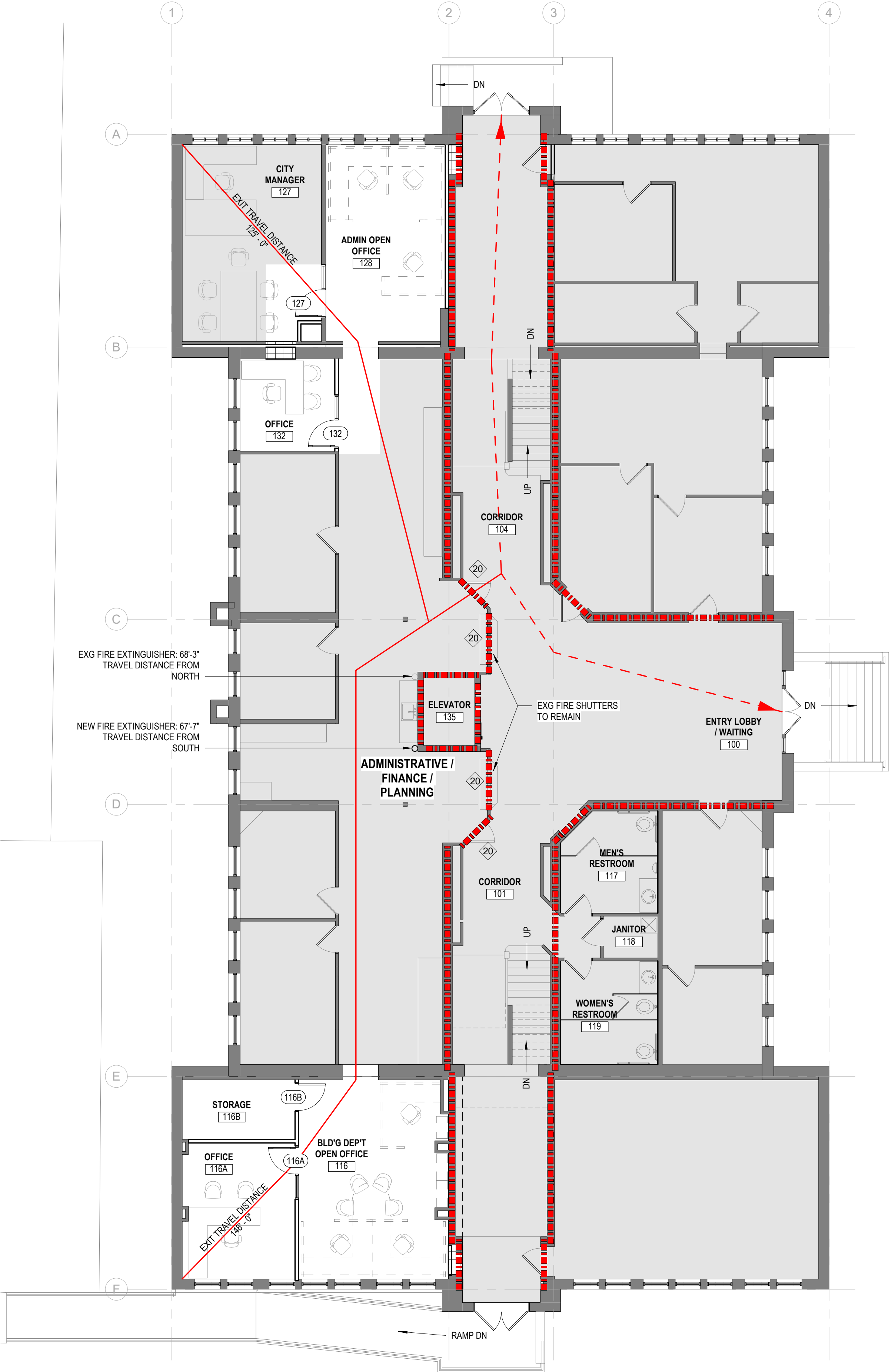
→
- TRAVEL DISTANCE
- PATH

56'-0"

→
- COMMON PATH OF EGRESS TRAVEL (CPET)
-
- 1 HR "FIRE PARTITION"
- #
- 20 MIN DOOR / WINDOW ASSEMBLY
- #
- 45 MIN DOOR / WINDOW ASSEMBLY
- #
- 60 MIN DOOR / WINDOW ASSEMBLY
-
- NO WORK THESE AREAS

GENERAL LIFE SAFETY NOTES

1. BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION OPERATIONS SO FOLLOW INTERIM LIFE SAFETY MEASURES (ILSM) TO PROVIDE/MAINTAIN EGRESS ROUTES FROM THE BUILDING.
2. IF FIRE ALARM SYSTEM IS NOT FULLY OPERATIONAL DURING CONSTRUCTION OPERATIONS PROVIDE "FIRE WATCH" OR OTHER MEANS OF TEMPORARY LIFE SAFETY MEASURES APPROVED BY THE AUTHORITIES HAVING JURISDICTION (AHJ) WHILE THE SYSTEMS IN QUESTION ARE NOT FULLY FUNCTIONAL.



1 MAIN FLOOR - LIFE SAFETY PLAN
A002

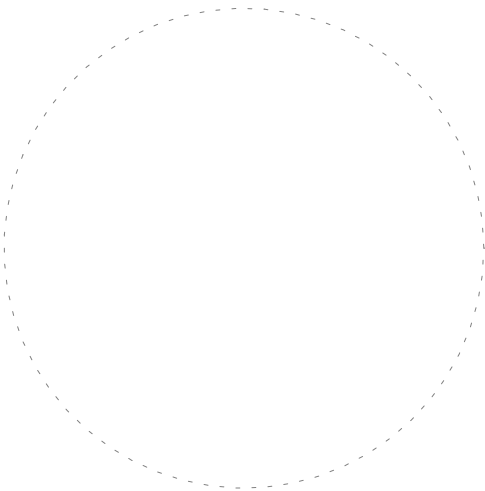
CODE CHECKLIST

CODES IN USE (PER MESA COUNTY BUILDING DEPARTMENT):	2018 INTERNATIONAL BUILDING CODE (IBC) 2018 INTERNATIONAL MECHANICAL CODE (IMC) 2018 INTERNATIONAL PLUMBING CODE (IPC) 2018 INTERNATIONAL FUEL GAS CODE (IFGC) 2020 NATIONAL ELECTRICAL CODE (NEC) 2018 INTERNATIONAL FIRE CODE (IFC) 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
TYPE OF OCCUPANCY:	GROUP B
TYPE OF CONSTRUCTION:	TYPE V-B
SPRINKLER SYSTEM:	N/A
BASIC ALLOWABLE BUILDING AREA (A) (TABLE 506.2):	9,000 SQ FT
ALLOWABLE NUMBER OF STORIES (TABLE 504.4):	2
EXISTING NUMBER OF STORIES:	2
ALLOWABLE AREA INCREASE	
ALLOWABLE FLOOR AREA (A) (TABLE 506.2):	9,000 SF
SITE SET BACKS: FRONT YARD: SIDE YARD: REAR YARD:	30 FT TO ASSUMED PROPERTY LINE 30 FT TO ASSUMED PROPERTY LINE 30 FT TO ASSUMED PROPERTY LINE
ALLOWABLE INCREASE FOR FRONTAGE (SECTION 506.3):	If = [F/P - 0.25] W/30 If = [(442.5 FT / 442.5 FT) - 0.25] * 30/30 = 0.75
TOTAL AREA INCREASE (EQUATION 5-2):	$A_n = [A + (NS * I)] * S_n$ $A_n = [9,000 + (9,000 * 0.75)] * 2$ $A_n = [9,000 + 6,750] * 2 = 31,500$ SF
TOTAL ALLOWABLE AREA:	31,500 SF
TOTAL EXISTING AREAS BASEMENT: FIRST FLOOR: SECOND FLOOR: TOTAL:	5,026 SF 8,670 SF 8,621 SF 22,317 SF
TOTAL AREA OF RENOVATION:	1,000 SF
AREA OF WORK OCCUPANT LOAD	
ADMINISTRATIVE / FINANCE / PLANNING: BUILDING DEPARTMENT:	2,575 SF / 150 GROSS = 17.2 650 SF / 150 GROSS = 4.3
TOTAL:	22
CORRIDOR WIDTH:	58" PROVIDED (44" REQ'D)
CORRIDOR FIRE RATING (FIRE PARTITION TABLE 1020.1):	1-HR
EXIT WIDTH REQ'D (SECTION 1005):	7"
EXIT WIDTH PROVIDED:	72"
EXIT TRAVEL DISTANCE (SECTION 1017.2):	200' MAX W/ OUT SPRINKLER SYSTEM
FIRE EXTINGUISHER:	1 WITHIN 75' OF TRAVEL



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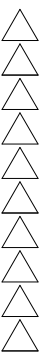


FRUITA CIVIC
CENTER - OFFICE
REMODEL

FRUITA, COLORADO

CODE CHECKLIST &
LIFE SAFETY PLAN

NO: ISSUED FOR: DATE:



PROJECT STATUS:
CONSTRUCTION DOCUMENTS

DATE:
11/7/2022 SHEET NO:

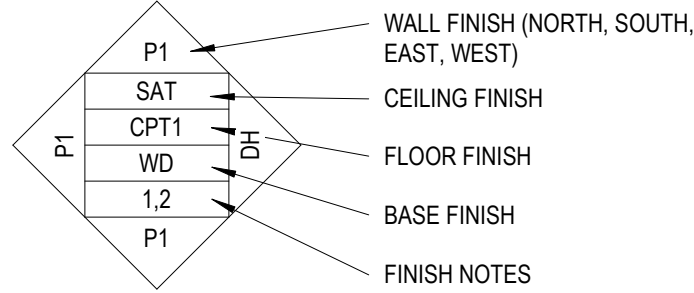
PROJECT NO:
2146.02

A002

GENERAL DEMOLITION NOTES

1. SEE PROJECT MANUAL SPECIFICATIONS AND REQUIREMENTS FOR DEMOLITION.
2. THE DOCUMENTS SHOW THE OVERALL EXTENT OF DEMOLITION REQUIRED. ALTHOUGH EACH COMPONENT MAY NOT BE SHOWN OR REFERENCED, REMOVE ITEMS CONSISTENT WITH THE NATURE OF DEMOLITION INDICATED.
3. ALL CONDITIONS ARE EXISTING; IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE PROJECT CONDITIONS, RECORD AND REPORT ALL DEVIATIONS TO THE ARCHITECT AS SOON AS POSSIBLE.
4. DO NOT DEMOLISH STRUCTURAL ELEMENTS WITHOUT APPROVAL FROM STRUCTURAL ENGINEER. PROVIDE TEMPORARY SHORING AND BRACING AS NEEDED TO MAINTAIN STRUCTURAL INTEGRITY.
5. REMOVE LOOSE OR CRACKED MATERIAL AT AREAS ADJACENT TO INDICATED DEMOLITION IF DAMAGED BY DEMOLITION OPERATIONS. PATCH AREAS WITH MATCHING MATERIAL AND WORKMANSHIP.
6. PERIMETER STRUCTURAL CONDITIONS ARE UNKNOWN. CONTRACTOR IS TO COORDINATE ALL PLUMBING EXIT POINTS WITH STRUCTURAL ENGINEER PRIOR TO PENETRATING GRADE BEAMS.
7. AT WALLS, FLOORS AND CEILING AREAS INDICATED FOR DEMOLITION, REMOVE ALL INTEGRAL DEVICES AND EQUIPMENT PRESENT UNLESS OTHERWISE INDICATED.
8. ITEMS NOT NOTED FOR DEMOLITION ARE TO BE PROTECTED FROM DAMAGE AND PREPARED TO RECEIVE NEW WORK. SURFACES TO REMAIN THAT ARE DAMAGED DURING THE PERFORMANCE OF REQUIRED DEMOLITION SHALL BE PATCHED AND/OR PAINTED TO MATCH EXISTING TO REMAIN ADJACENT SURFACES UNLESS NOTED OTHERWISE.
9. RECYCLE MERCHANTABLE MATERIALS TO THE GREATEST EXTEND POSSIBLE, I.E. STEEL.
10. RESTORE THE FIRE PROTECTION RATING OF FIRE-PROTECTED CONSTRUCTION INDICATED TO REMAIN IF DAMAGED BY DEMOLITION OPERATIONS. FIRE-PROTECTED CONSTRUCTION INCLUDES STRUCTURAL MEMBERS, WALL, FLOOR, CEILING AND ROOF ASSEMBLIES COVERED WITH SPRAY FIREPROOFING OR DESIGNATED AS A RATED COMPONENT OR ASSEMBLY WITHIN THE DOCUMENTS.

INTERIOR FINISH LEGEND



NOTE:

PATTERN AT CEILINGS, RE: REFLECTED CEILING PLAN A121
FLOORING TRANSITION FROM EXISTING CPT TO NEW CARPET,
RE: 9 / A401

WALL FINISHES

P# - CMU OR GYPSUM WALLBOARD W/ PAINT

ALUM/GL - ALUMINUM AND GLASS STOREFRONT

CEILING FINISH

APC - SUSPENDED ACOUSTICAL PANEL CEILING GRID AND TILE

P# - GYPSUM WALLBOARD WITH PAINT.

EXG - EXISTING CEILING TO REMAIN, PAINT IF INDICATED

FLOOR FINISHES

CPT - CARPET

BASE FINISHES

RUB - RUBBER BASE.

FINISH NOTES

1. INSTALL CARPET TILE WITH HERRINGBONE PATTERN
2. INSTALL CARPET TILE WITH BRICK ASHLAR PATTERN

INTERIOR COLOR SCHEDULE			
NUMBER	TITLE	ITEM	COLOR
05 5000	METAL FABRICATIONS	METAL AT WALL OPENING	P4
08 1113	HOLLOW METAL DOORS AND FRAMES	DOOR FRAMES	P4
08 1216	ALUMINUM FRAMES		POWDER COAT COLOR, TO BE SELECTED
08 1416	FLUSH WOOD DOORS		MATCH ARCHITECTS SAMPLE
09 5113	ACOUSTIC PANEL CEILING	APC	WHITE GRID AND TILE
09 6513	RESILIENT BASE AND ACCESSORIES	RUB	BURKE 112 SANDY TAN
09 6813	TILE CARPETING	CPT	MOHAWK, METALMORPHIC, COLOR DOWNING STONE METALLIC
09 9123	INTERIOR PAINTING	P1 - WALLS	SHERWIN WILLIAMS SW 7042 SHOJI WHITE
09 9123	INTERIOR PAINTING	P2 - CEILING AND SOFFITS	SHERWIN WILLIAMS SW 7551 GREEK VILLA
09 9123	INTERIOR PAINTING	P3 - ACCENT	BENJAMIN MOORE 482 MISTED FERN
09 9123	INTERIOR PAINTING	P4 - DOOR FRAMES	SHERWIN WILLIAMS SW 7030 ANEW GRAY
09 9123	INTERIOR PAINTING	P5 - MATCH EXISTING ADJACENT WALL	TO BE SELECTED, MATCH EXISTING ADJACENT WALL
09 9123	INTERIOR PAINTING	P6 - STEEL OPENING	BENJAMIN MOORE 1148 COGNAC SNIFTER
09 9123	INTERIOR PAINTING	P7 - MATCH EXISTING ADJACENT WALL	TO BE SELECTED, MATCH EXISTING ADJACENT WALL
12 2113	HORIZONTAL LOUVER BLINDS		TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS

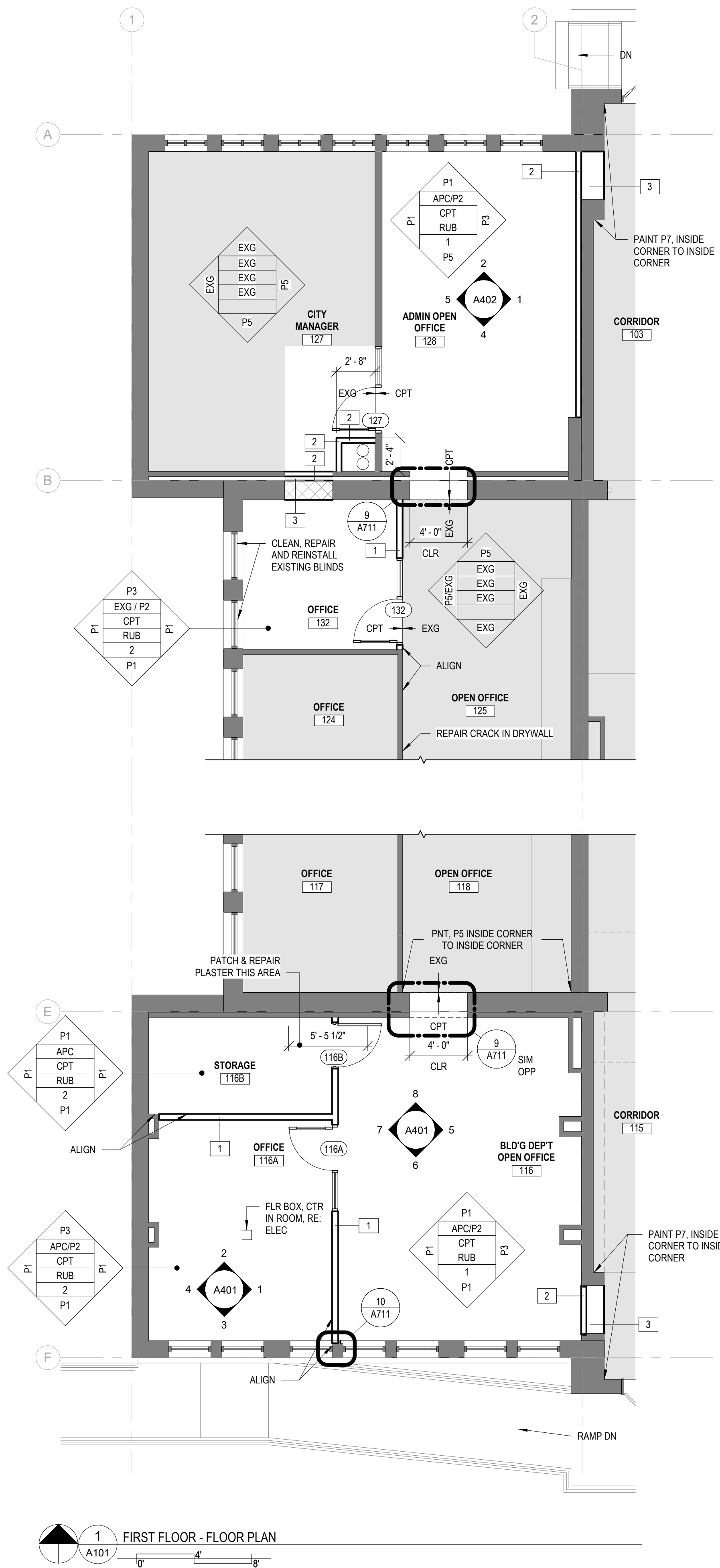
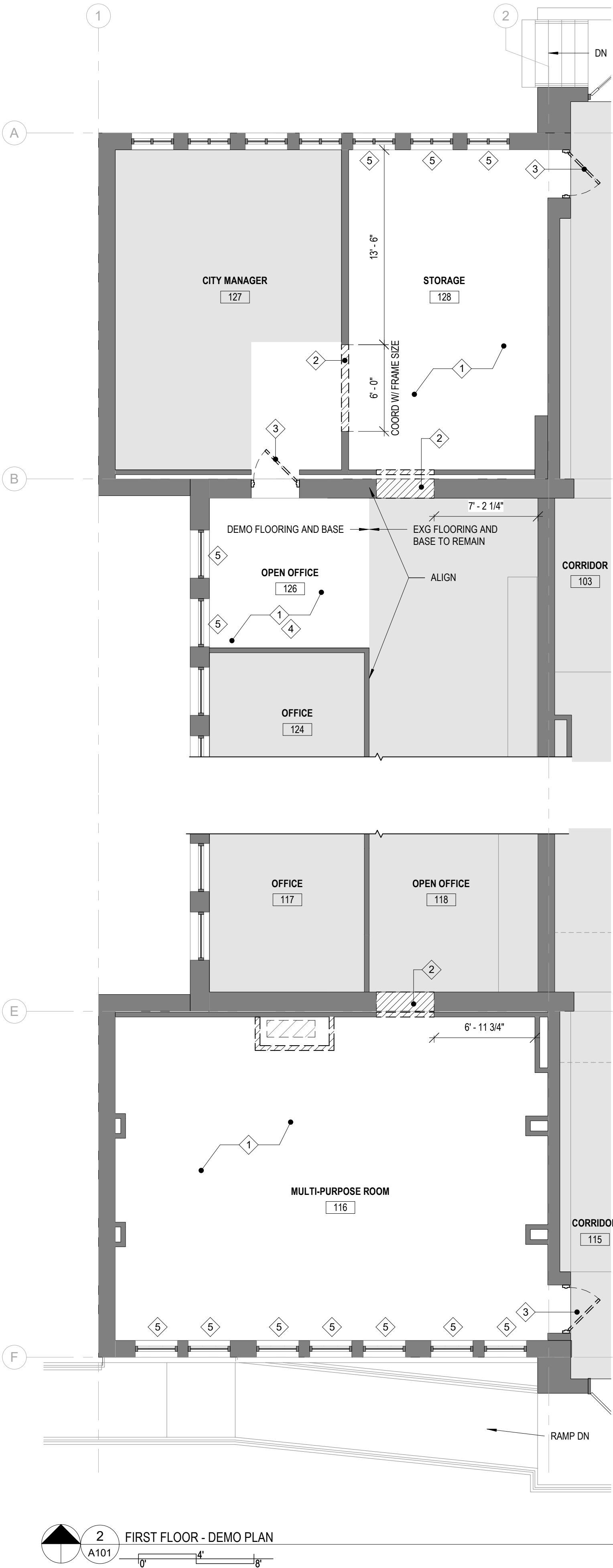
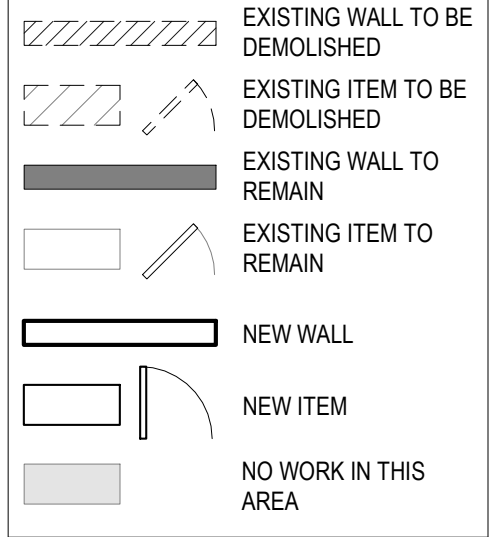
GENERAL NEW CONSTRUCTION NOTES

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT PRIOR TO CONTINUING CONSTRUCTION.
2. ITEMS NOT NOTED ON THE DRAWINGS SHALL BE CONSIDERED THE SAME AS NOTED ITEMS WHICH ARE GRAPHICALLY REPRESENTED IN THE SAME MANNER.
3. PROVIDE TREATED SOLID WOOD BLOCKING FOR ALL WALL EQUIPMENT, TOILET ACCESSORIES, MILLWORK AND OTHER WALL MOUNTED ITEMS. SEE ELEVATIONS AND EQUIPMENT SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE DOUBLE STUDS AT COUNTERTOP BRACKETS (TYP)
4. CONTRACTOR SHALL CAULK AT THE INTERFACE OF INTERIOR FACES OF DOOR FRAMES WITH ADJACENT MATERIALS THOUGH JOINT MAY NOT BE VISIBLE.
5. WHERE EXISTING FINISHES ARE REQUIRED TO BE REMOVED TO INSTALL NEW FINISHES, PATCH AND REPAIR WALL SURFACES TO ACCEPT NEW FINISHES AND CONCEAL ALL TRANSITIONS.
6. MAINTAIN RATINGS OF EXISTING WALLS. PATCH AND REPAIR ANY NEW OR EXISTING OPENINGS IN RATED WALLS WITH UL ASSEMBLY APPROVED FOR PENETRATING ITEM AND WALL ASSEMBLY.
7. PROVIDE TRANSITION STRIPS BETWEEN FLOOR MATERIALS OF DISSIMILAR HEIGHTS. CENTER TRANSITION STRIPS UNDER DOORS OR OTHER PLACES OUT OF SIGHT.
8. RECONFIGURE FIRE ALARM DEVICES AS PER THE ELECTRICAL CODE OR AS INDICATED. PROVIDE NEW FIRE ALARM DEVICES IF EXISTING ARE NOT OPERATIONAL.
9. FIELD VERIFY EXISTING CORRIDOR WALLS AND ROOM SEPARATION WALLS ARE 1HR RATED WITH REQUIRED PENETRATION FIRESTOPPING. WHERE THESE WALLS DO NOT CURRENTLY MEET THE REQUIRED RATING MODIFY WALL TO MEET UL ASSEMBLY WITH SOUND BATTS.
10. FINISHES SHALL MATCH EXISTING UNLESS OTHERWISE NOTED.
11. MAIN STRUCTURE IS EXISTING AND THE CONFIGURATION OF THE SUPPORTING FOUNDATIONS ARE UNKNOWN. CONTRACTOR SHALL MAKE MODIFICATIONS AS NEEDED TO THE UNDERSLAB PLUMBING ROUTING TO MAINTAIN THE INTEGRITY OF THE STRUCTURE. ALL MODIFICATIONS THAT IMPACT THE LOCATION OF PLUMBING FIXTURES MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
12. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR THE LOCATIONS OF PIPING, VENTS, DUCTS, CURBS, FANS AND OTHER ITEMS WHICH PENETRATE THE ROOF PLANE.
13. BACK OF DOOR JAMB LOCATION OFF FACE OF WALL IS 4", TYPICAL, UNLESS NOTED OTHERWISE.
14. FURNITURE PLAN FOR REFERENCE ONLY, RE: 3 / A402

DEMO KEYNOTES

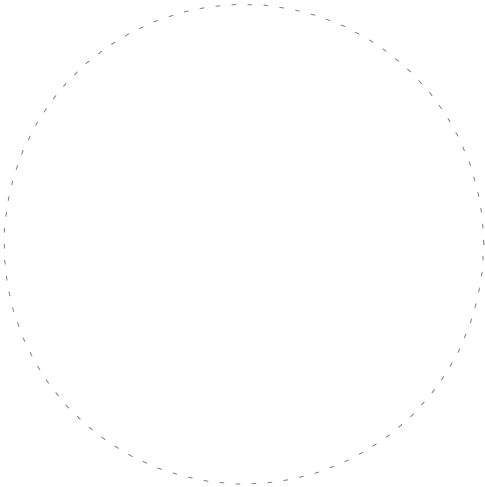
1. REMOVE FLOORING AND BASE.
2. REMOVE WALL TO PREPARE FOR NEW OPENING. NEW OPENING SHOULD BE 4' - 0" CLR
3. REMOVE EXISING DOOR, HARDWARE AND FRAME. SALVAGE DOOR AND HARDWARE, RETURN TO OWNER. PREPARE WALL FOR INFILL
4. SALVAGE EXISITNG FULL SIZE CARPET TILE TO PATCH IN AS NEEDED BETWEEN NEW AND EXISTING AREAS.
5. REMOVE OR PROTECT IN PLACE EXISTING WINDOW BLINDS, CLEAN, REPAIR AND REINSTALL AS PART OF NEW CONSTRUCTION

LEGEND



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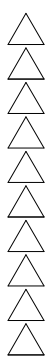


FRUITA CIVIC
CENTER - OFFICE
REMODEL

FRUITA, COLORADO

DEMO & NEW
FLOOR PLANS

NO: ISSUED FOR: DATE:



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CONSTRUCTION DOCUMENTS

DATE:

11/7/2022

SHEET NO:

PROJECT NO:

2146.02

A101

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RCP DEMO KEYNOTES

- 1 REMOVE CEILINGS AND LIGHT FIXTURES
- 2 REMOVE LIGHT FIXTURES ONLY
- 3 REFERENCE MECHANICAL DRAWINGS FOR DUCT DEMO/MODIFICATIONS

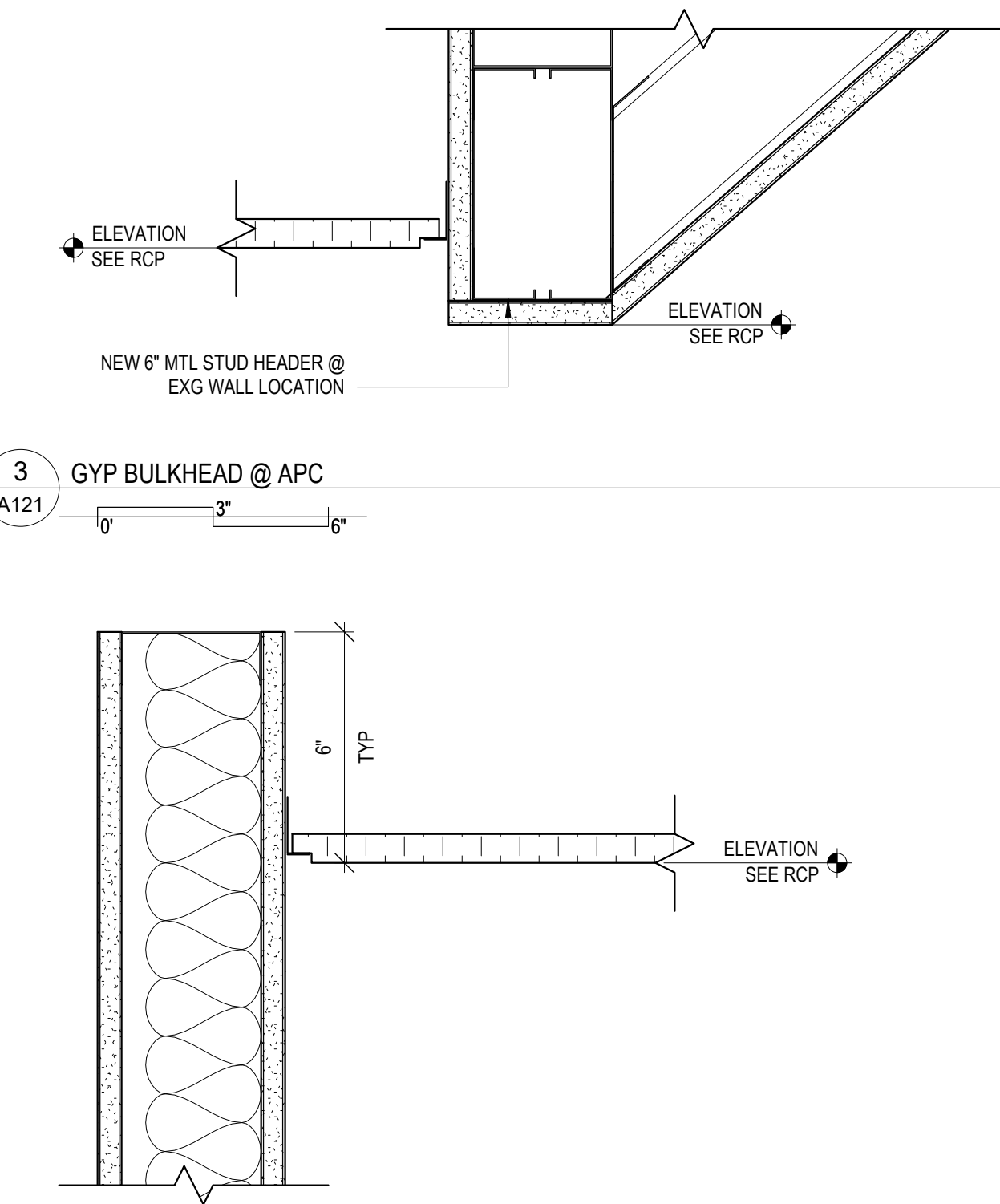
LEGEND

- EXISTING WALL TO BE DEMOLISHED
- EXISTING ITEM TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING ITEM TO REMAIN
- NEW WALL
- NEW ITEM
- NO WORK IN THIS AREA

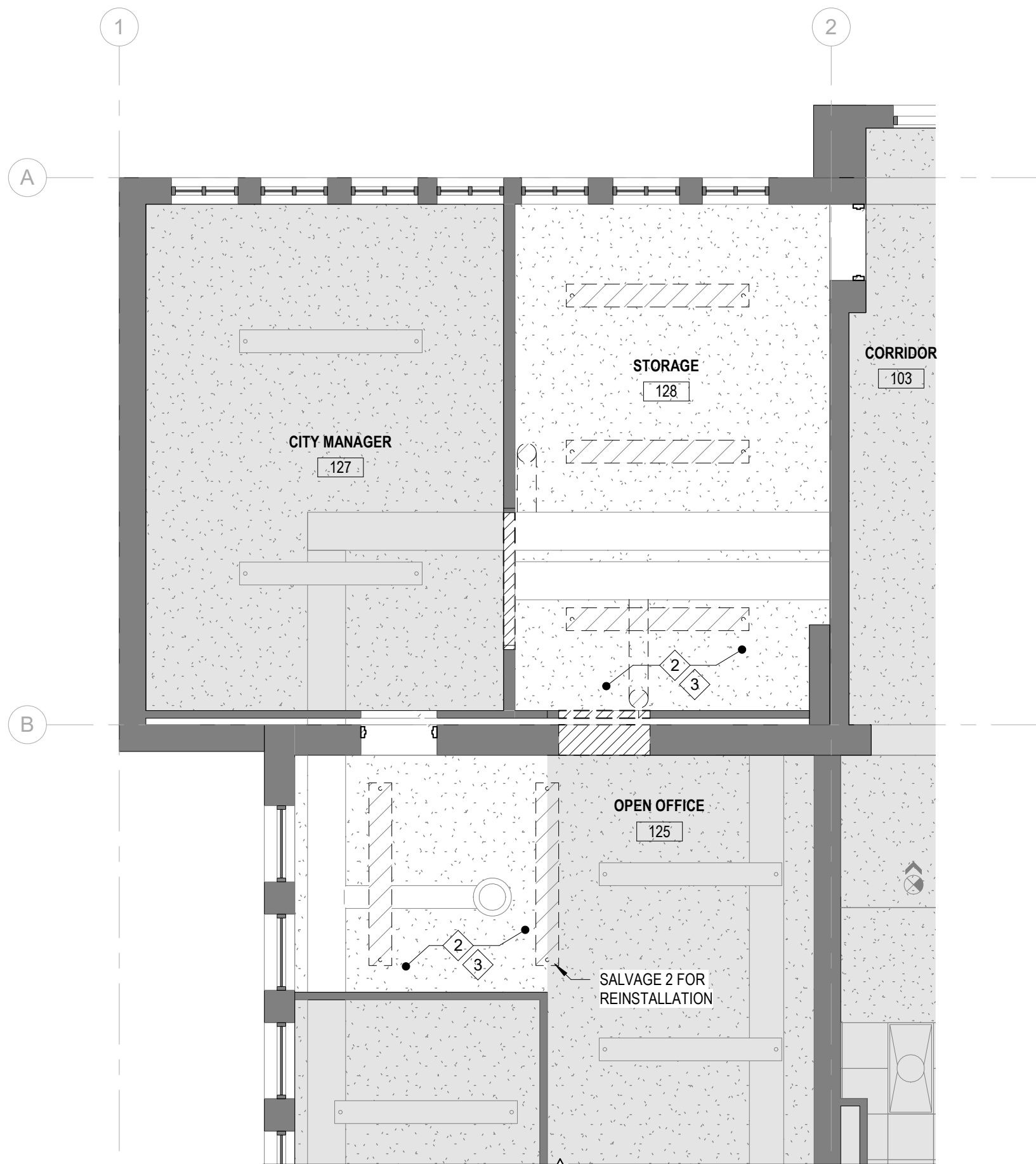
RCP LEGEND

- NEW GYP BD, PAINT
- EXG GYP BD, PAINT
- 2X2 SUSPENDED ACOUSTIC GRID, BALANCE TILE AND GRID AT EDGES IN ROOMS, UNO.
- 2X4' RECESSED LIGHT
- SUSPENDED DIRECT / INDIRECT LIGHT
- EXISTING LIGHT TO BE REINSTALLED
- OCCUPANCY SENSOR
- EXIT SIGN, INDICATING DIRECTIONAL ARROW & SIGN ORIENTATION
- SUPPLY AIR GRILLE
- RETURN AIR GRILLE
- SMOKE OR HEAT DETECTOR

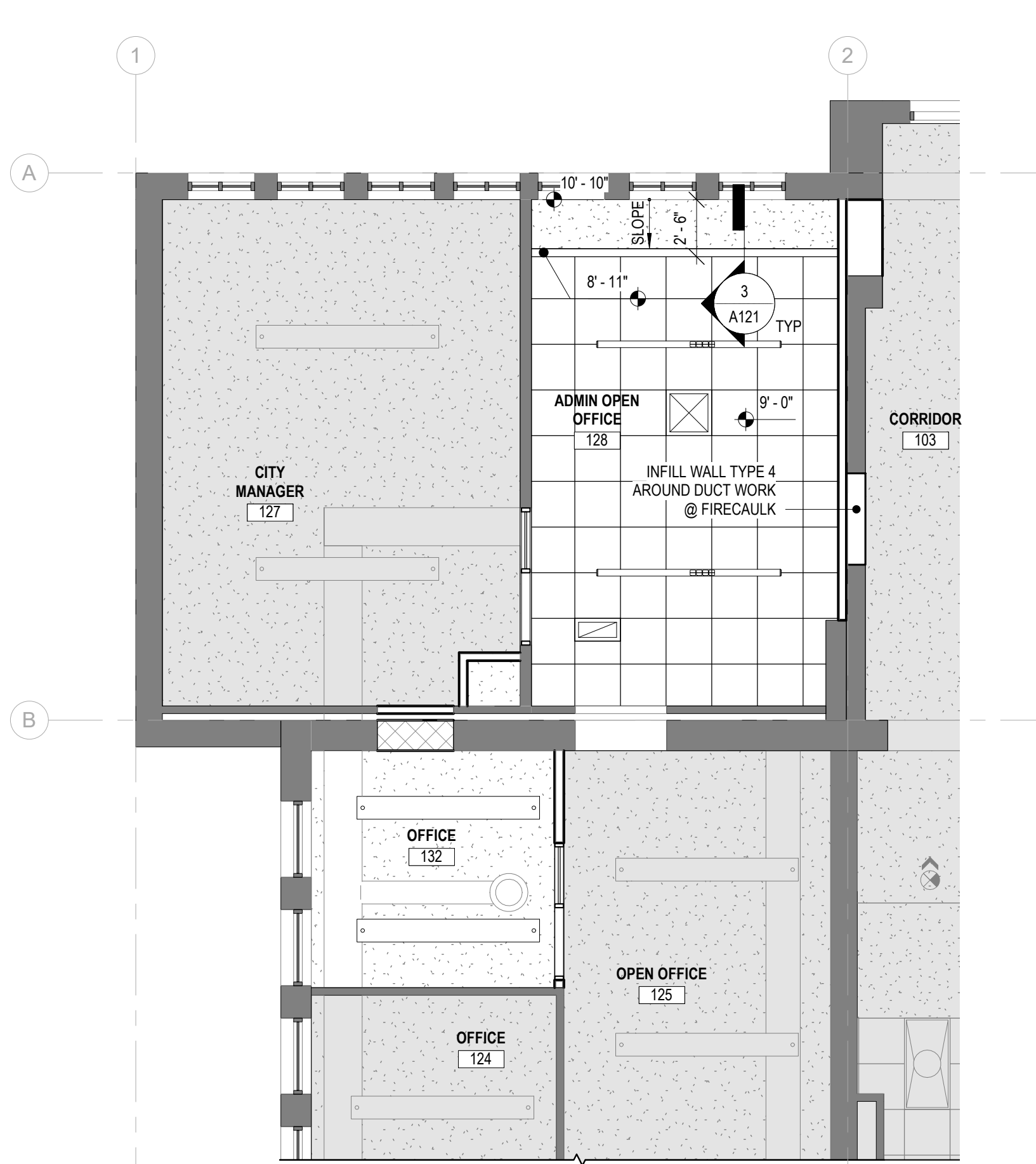
- CEILING LEGEND NOTES:**
- CENTER LIGHT FIXTURES IN SPACE AS SHOWN ON REFLECTED CEILING PLANS WHEN LIGHT FIXTURES ARE NOT DIMENSIONED.
 - REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SPECIFIC LIGHT FIXTURE TYPES AND ADDITIONAL INFORMATION ON ELECTRICAL DEVICES.
 - REFER TO MECHANICAL DRAWINGS FOR HVAC GRILLE TYPES AND ADDITIONAL INFORMATION ON HVAC EQUIPMENT.
 - CENTER FIRE SPRINKLER HEADS IN BOTH DIRECTIONS AT CEILING TILES UNO



- 4 APC CLG @ WALL (TYP)



- 2 FIRST FLOOR REFLECTED CEILING - DEMO PLAN

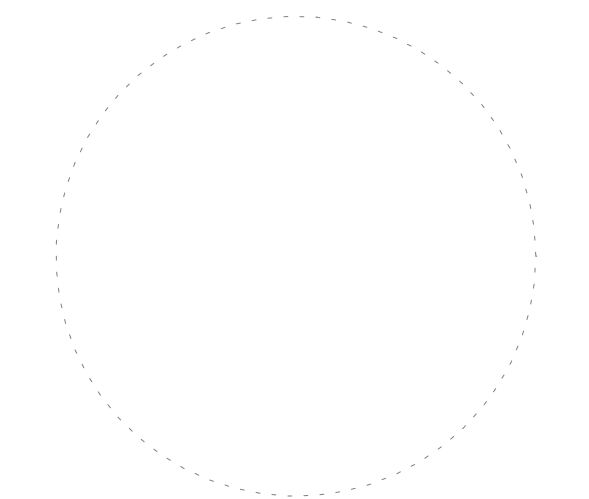


- 1 FIRST FLOOR - REFLECTED CEILING PLAN



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FRUITA CIVIC
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FRUITA, COLORADO

REFLECTED
CEILING PLANS

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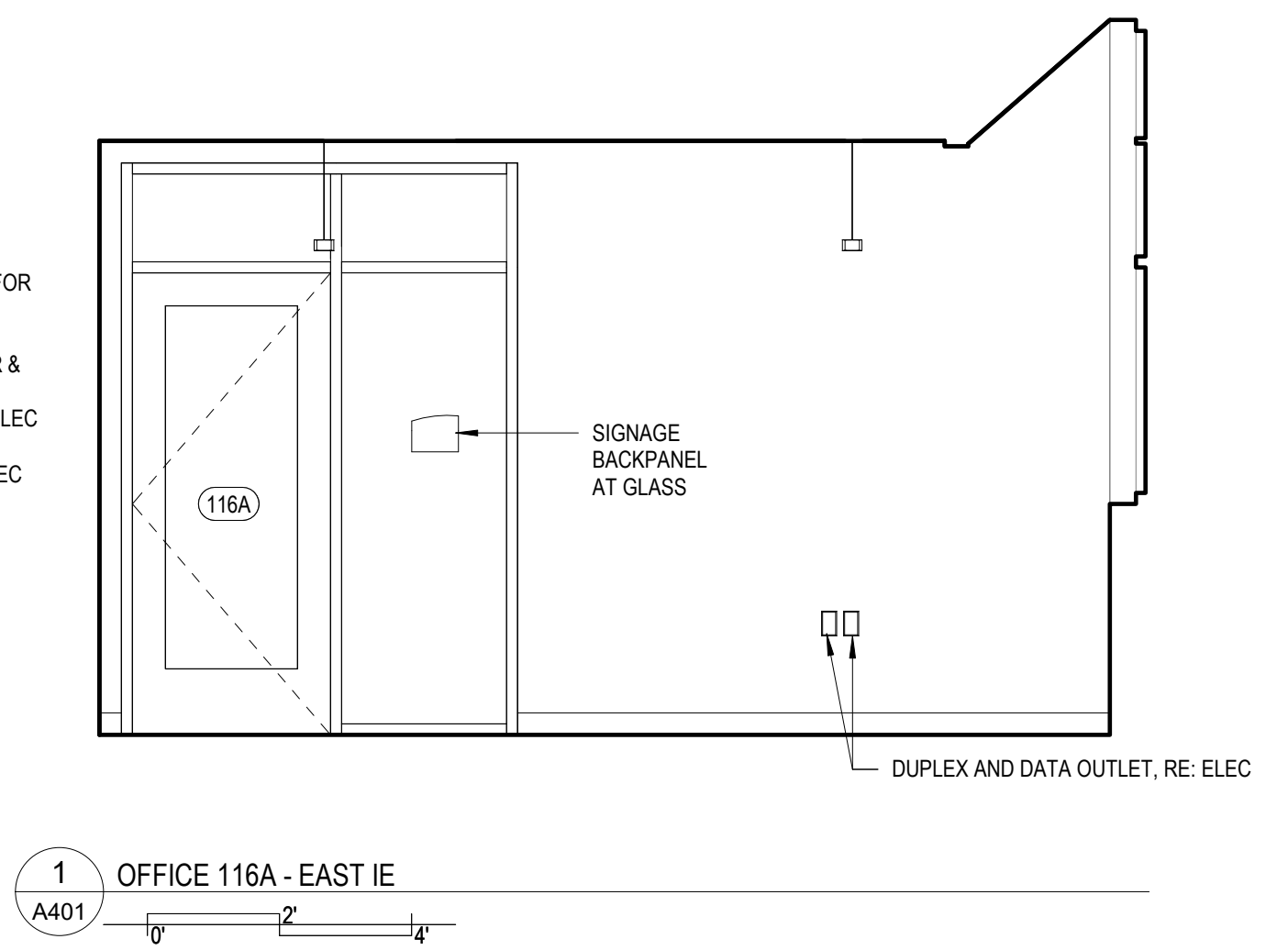
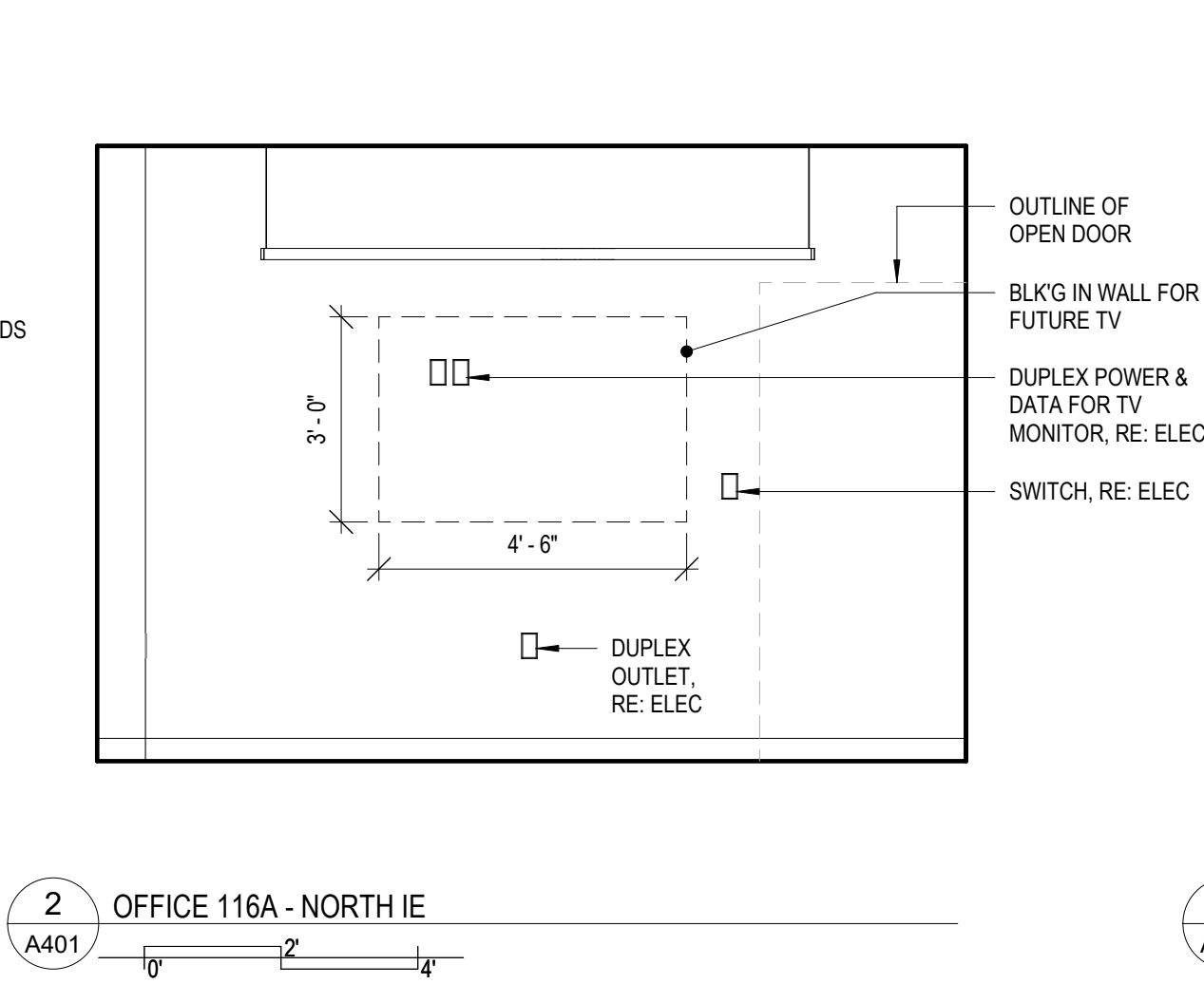
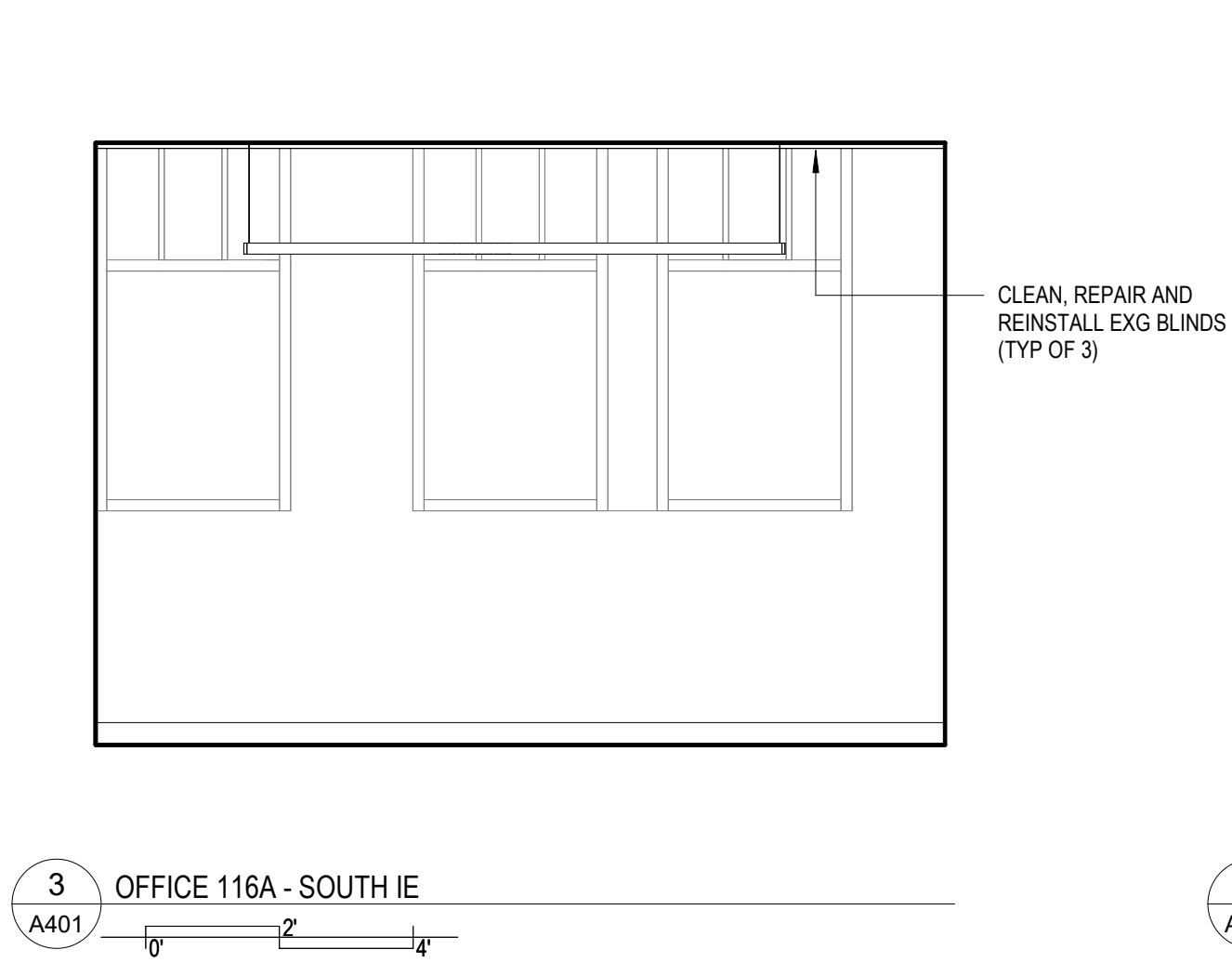
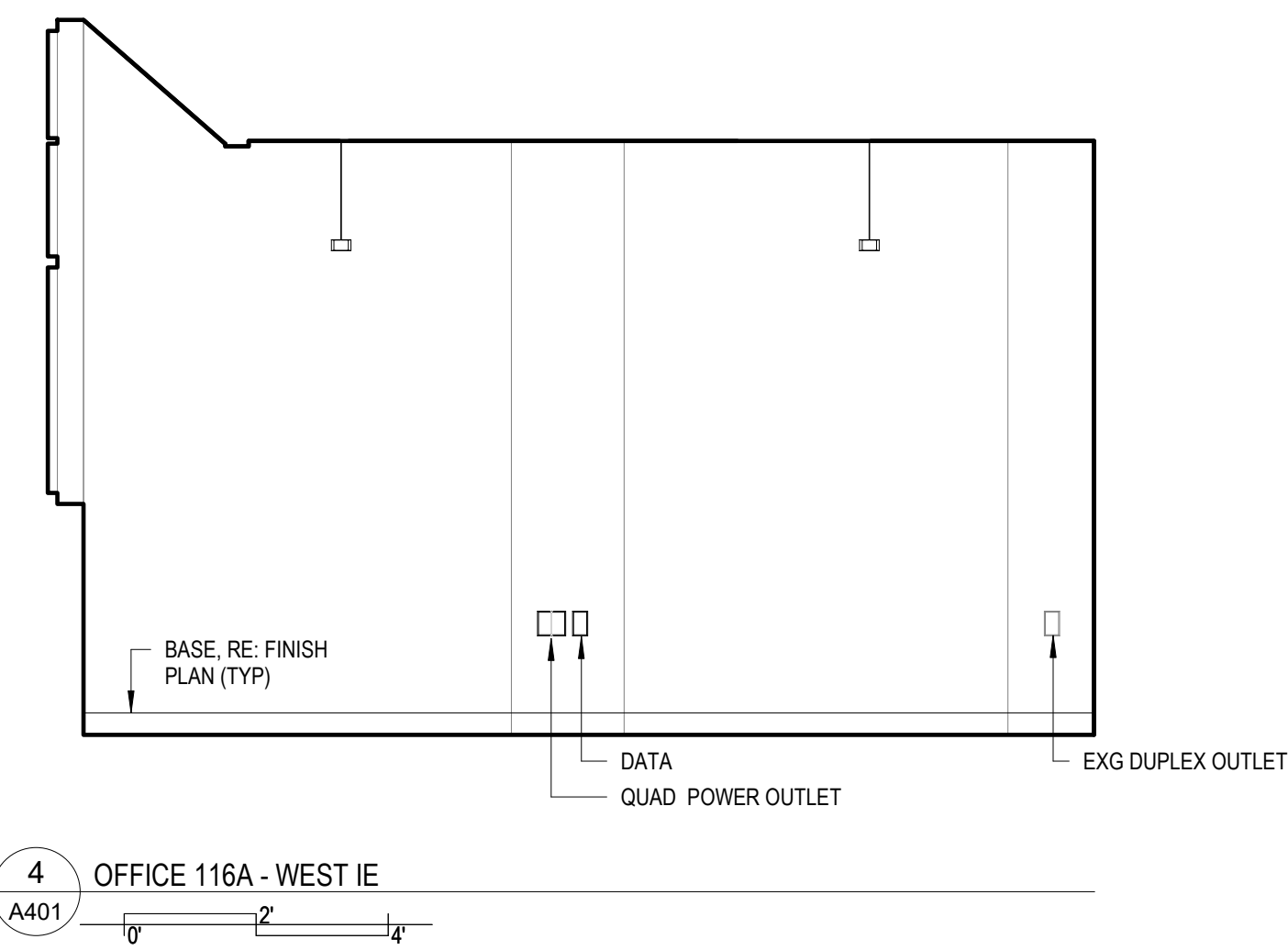
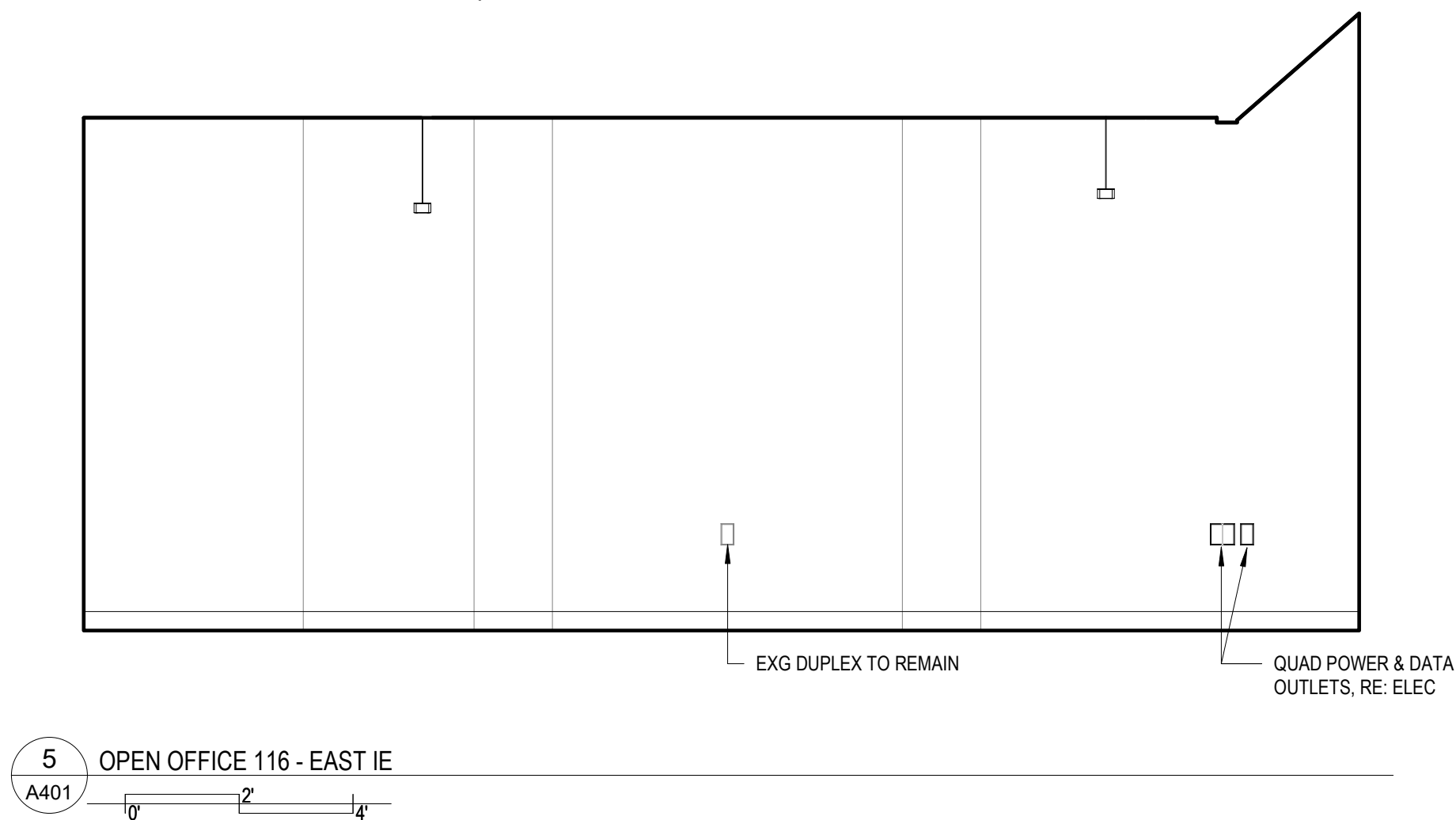
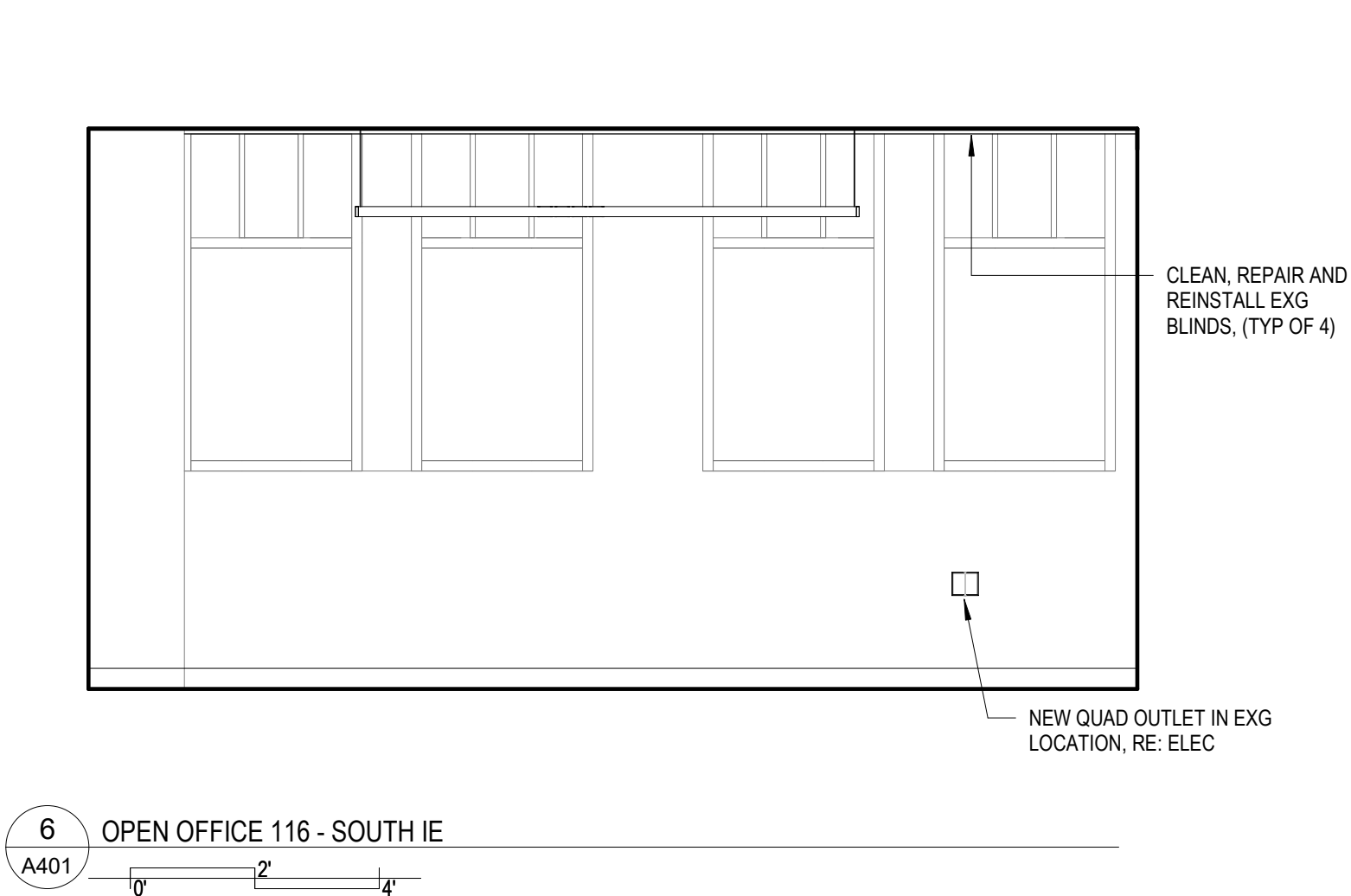
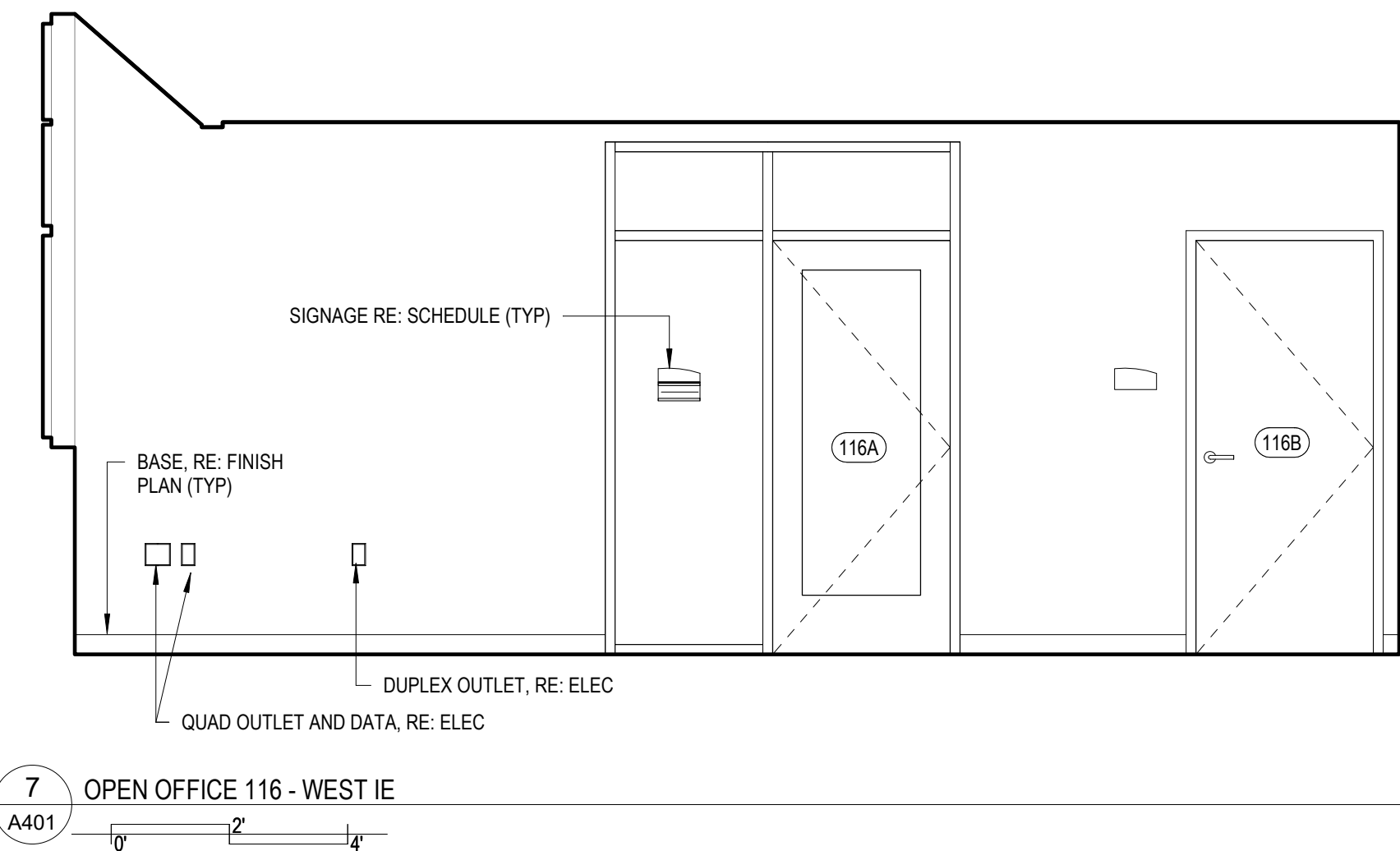
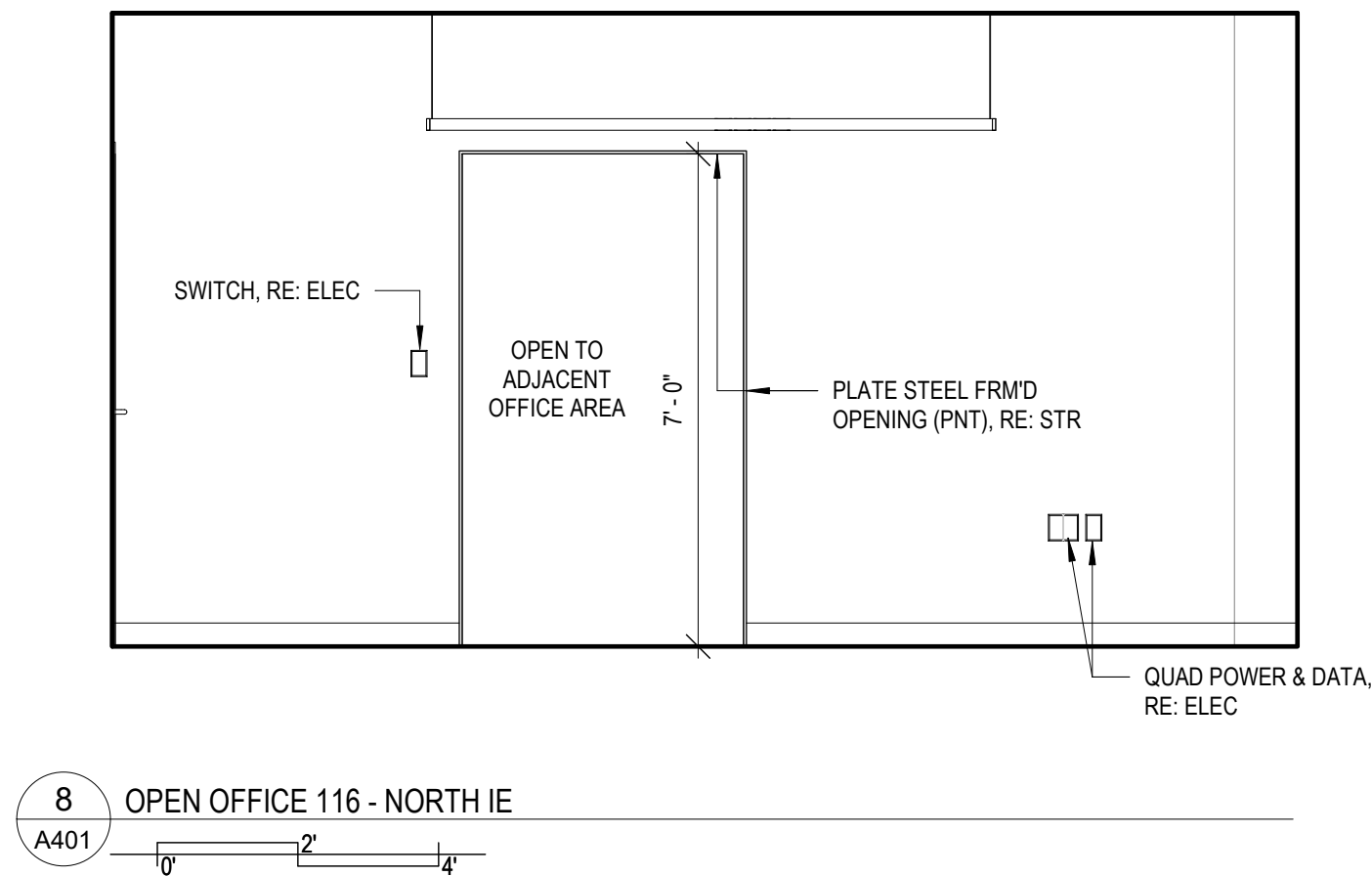
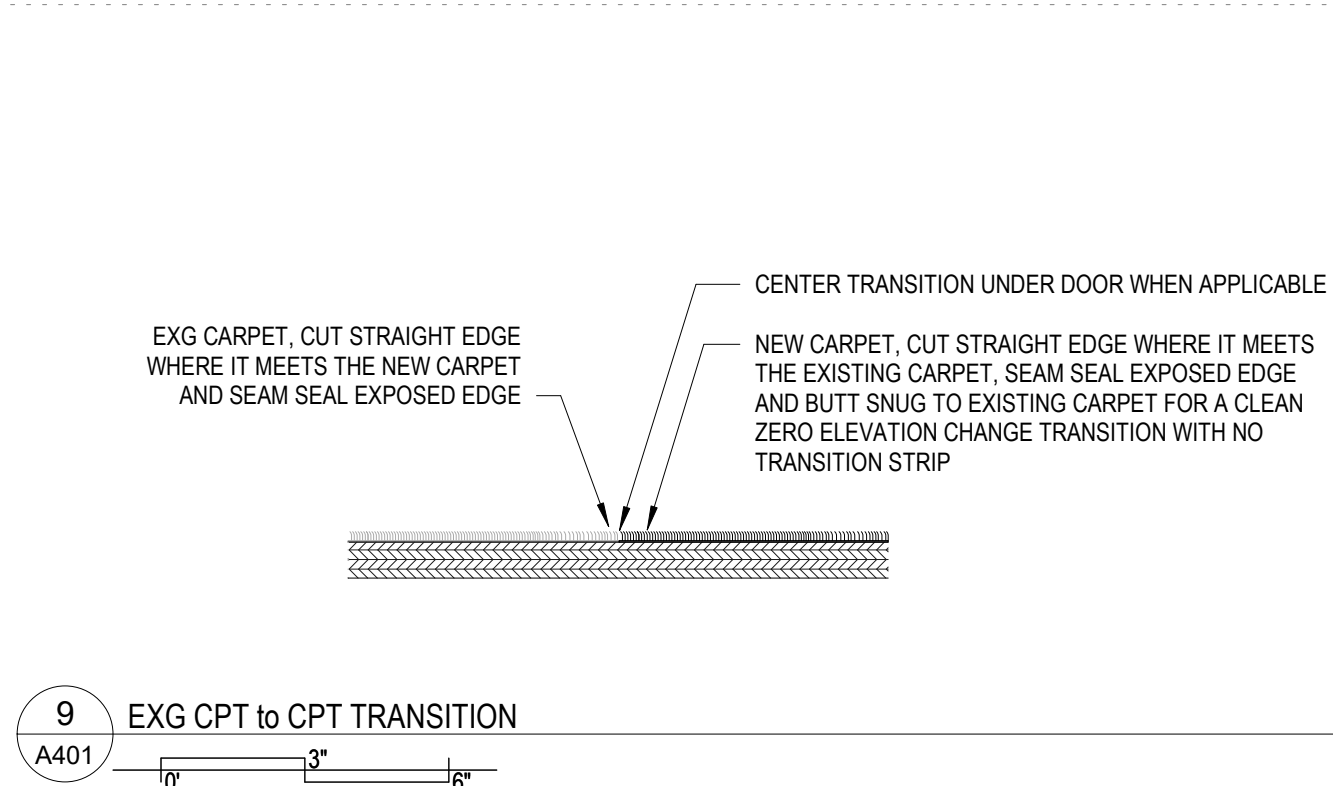
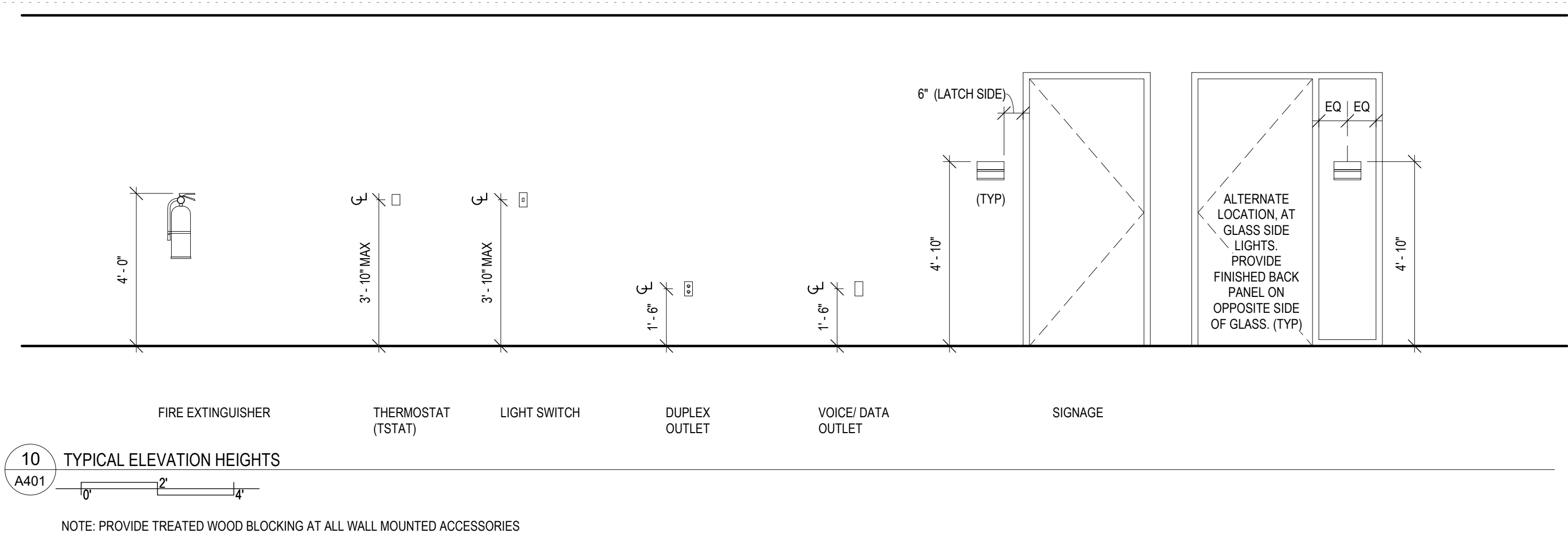
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PROJECT NO:
2146.02

A121

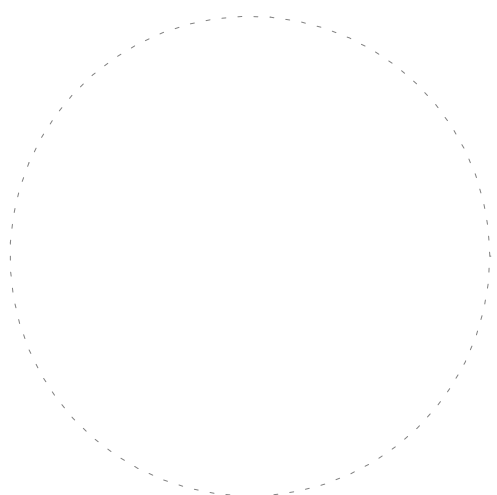
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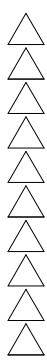


FRUITA CIVIC CENTER - OFFICE REMODEL

FRUITA, COLORADO

INTERIOR ELEVATIONS

NO: ISSUED FOR: DATE:



PROJECT STATUS:
CONSTRUCTION DOCUMENTS

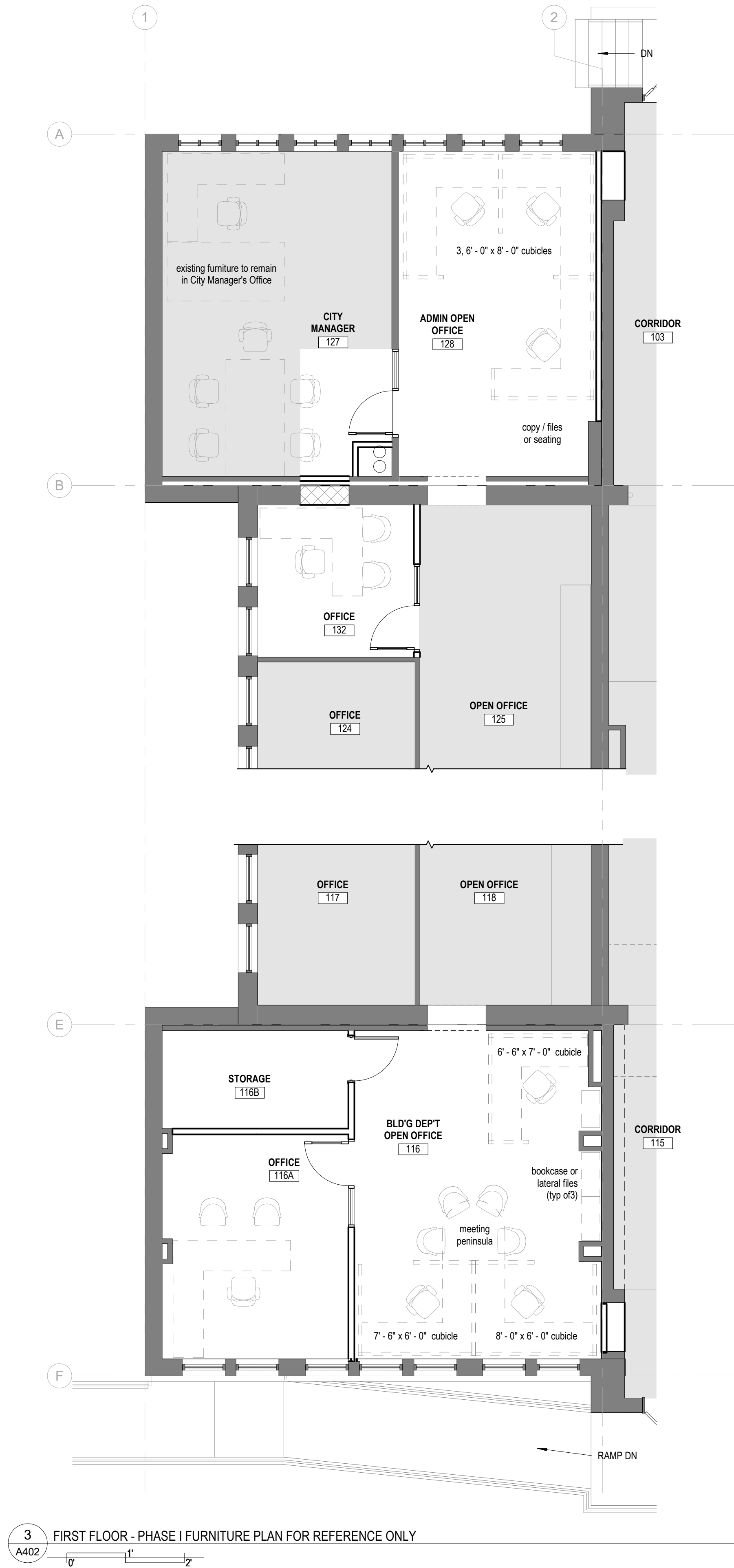
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11/7/2022

PROJECT NO:
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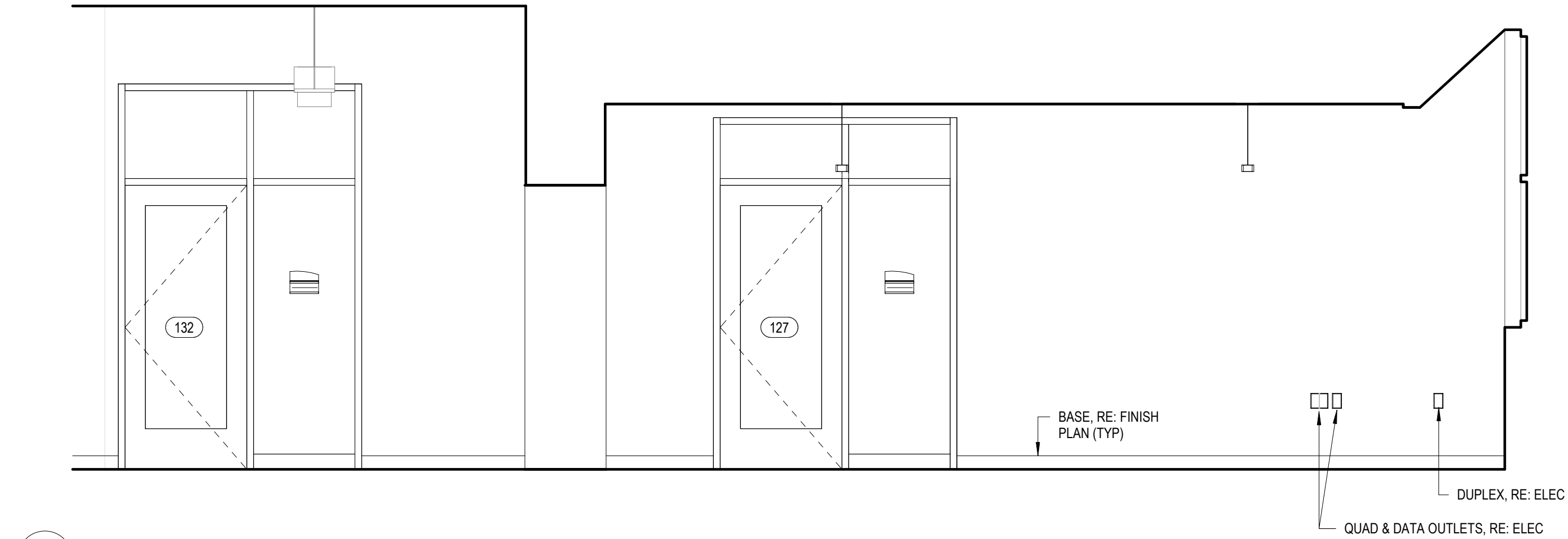
SHEET NO:
A401

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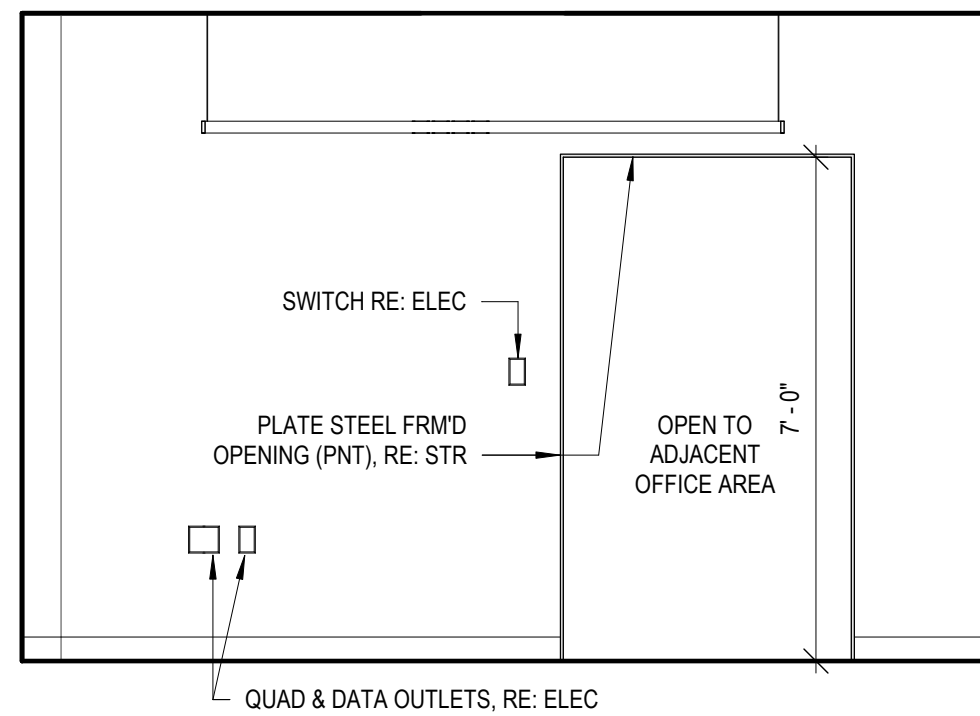
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BM19801214b - Fruita Civic Center Remodel(2146).FCG.rvt



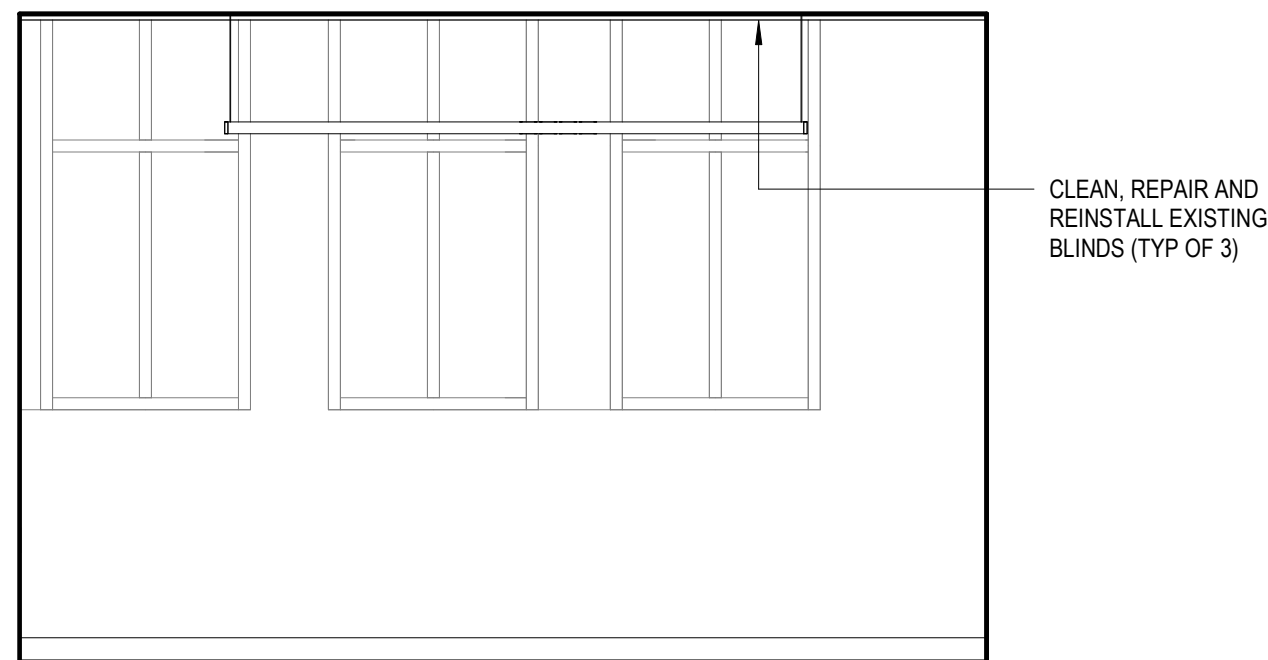
3 FIRST FLOOR - PHASE I FURNITURE PLAN FOR REFERENCE ONLY
A402



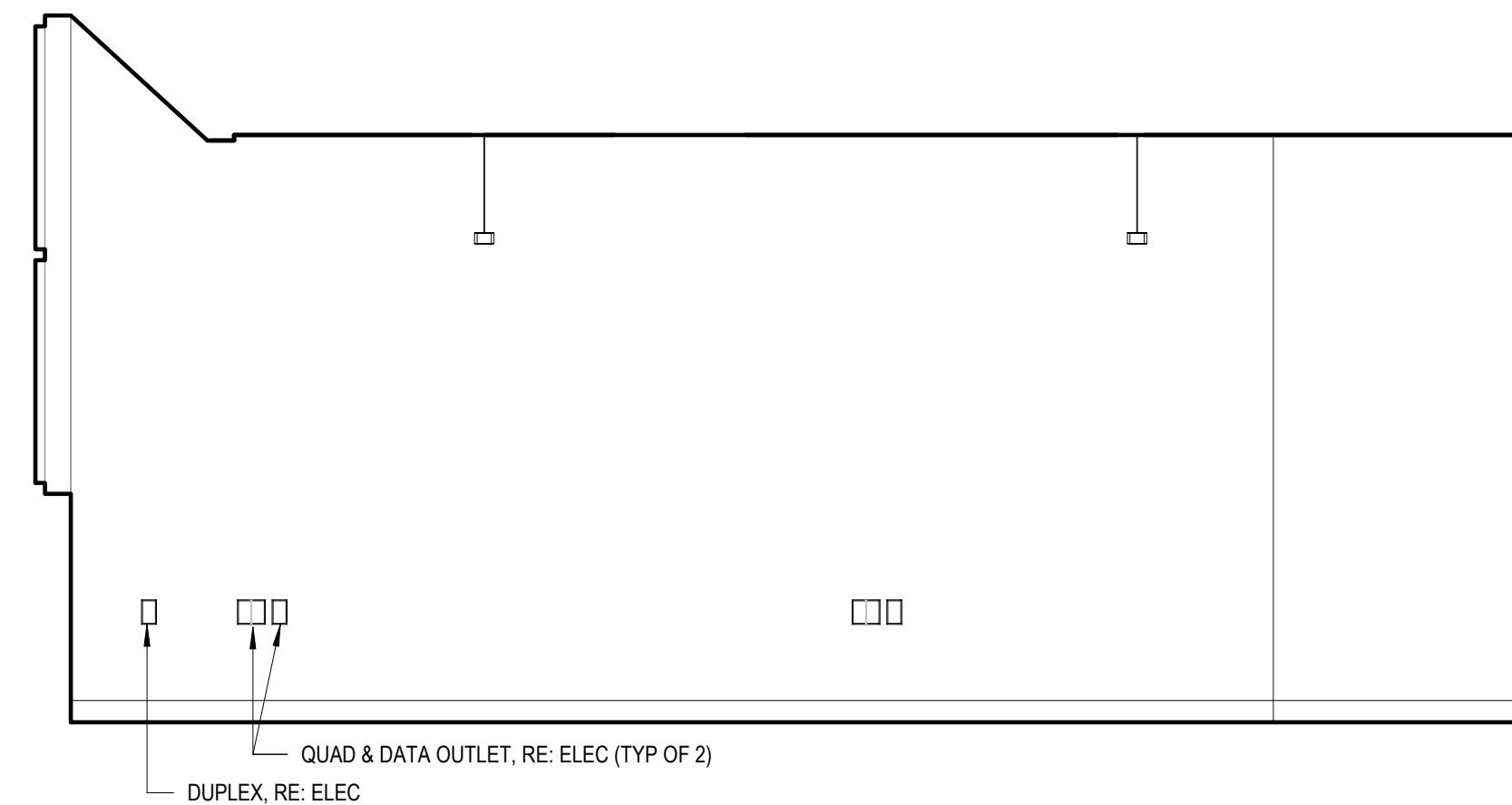
5 OPEN OFFICE 128 - WEST IE
A402



4 OPEN OFFICE 128 - SOUTH IE
A402



2 OPEN OFFICE 128 - NORTH IE
A402

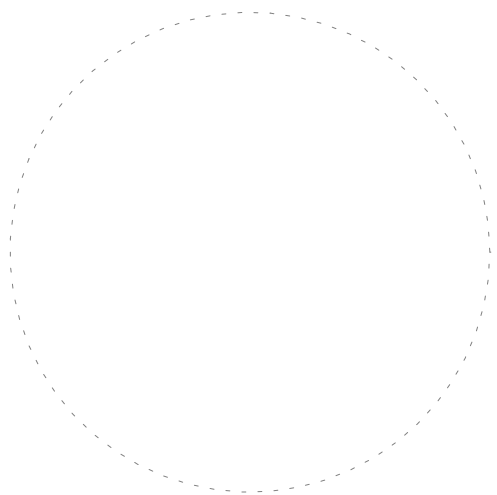


1 OPEN OFFICE 128 - EAST IE
A402



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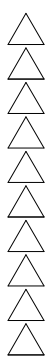


FRUITA CIVIC CENTER - OFFICE REMODEL

FRUITA, COLORADO

INTERIOR ELEVATIONS AND FURNITURE PLAN

NO: ISSUED FOR: DATE:



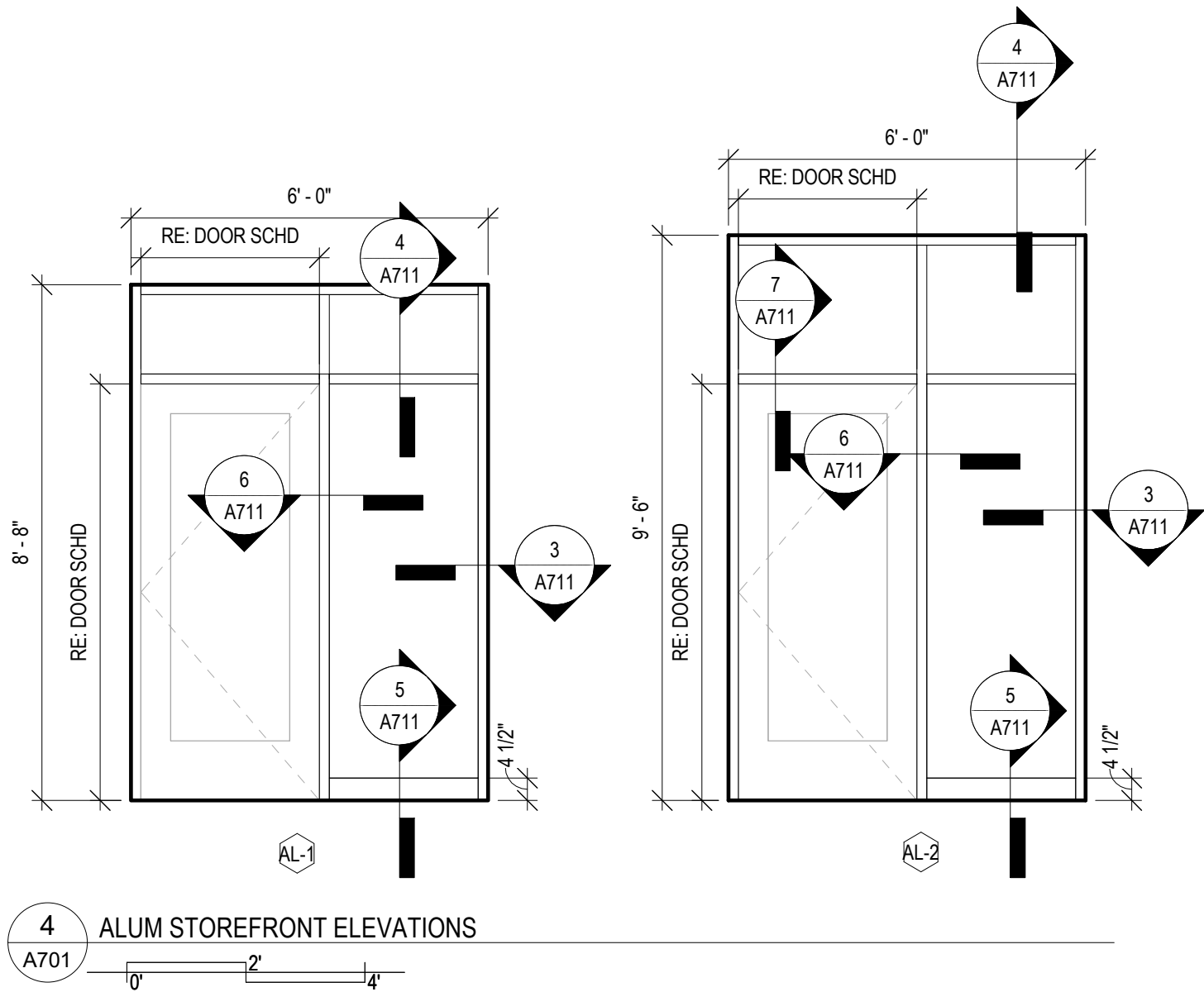
PROJECT STATUS:
CONSTRUCTION DOCUMENTS

DATE:
11/7/2022
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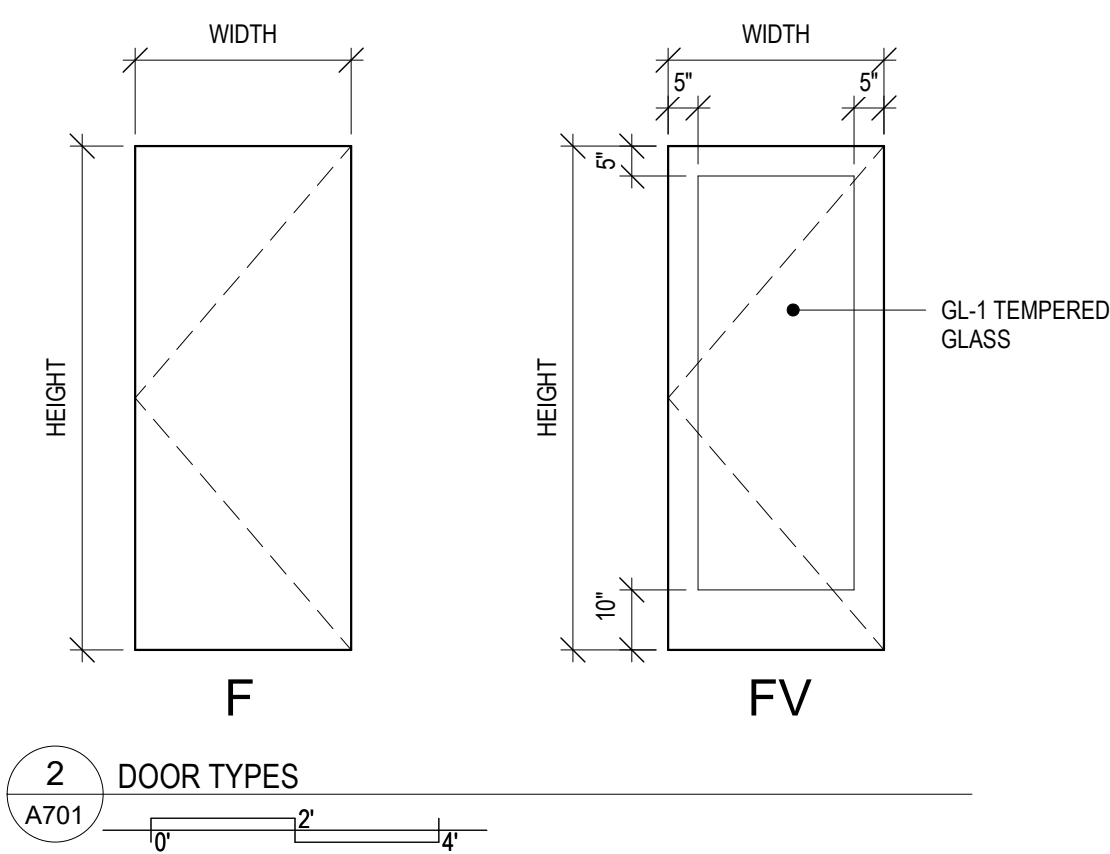
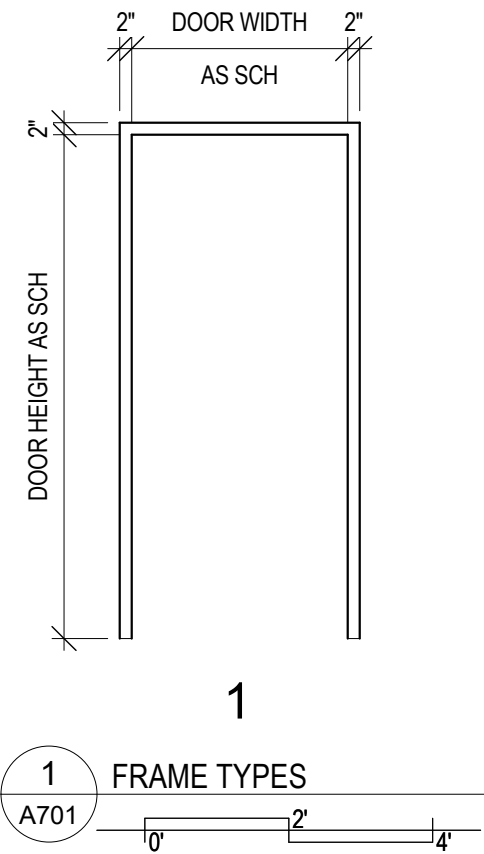
PROJECT NO:
2146.02
A402

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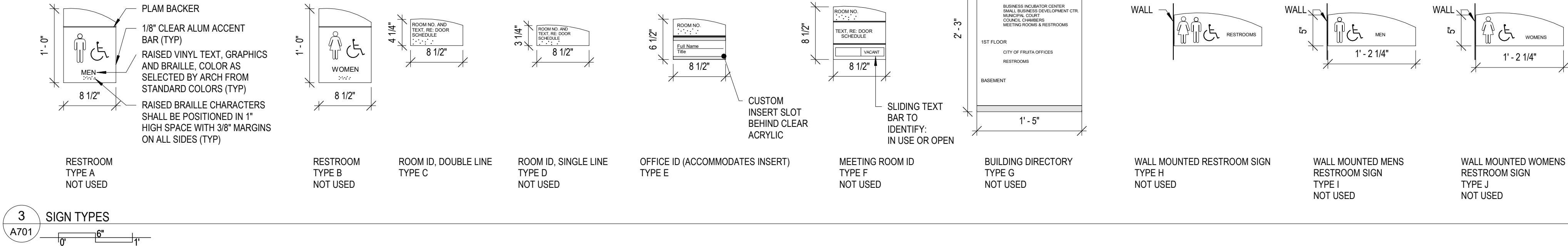
DOOR SCHEDULE															
DOOR NO.	DOOR						FRAME					HDWR SET	NOTES	SIGNAGE	
	W	H	T	MATERIAL	TYPE	FIRE RATING	MATERIAL	TYPE	DETAIL					SIGN TYPE	TEXT
									JAMB	HEAD	SILL				
116A	3'- 0"	7'- 0"	1 3/4"	WD	FV	-	ALUM	AL-1	5/A711	6/A711	-	01		E	116A, NAME AND TITLE TBD
116B	3'- 0"	7'- 0"	1 3/4"	WD	F	-	HM	1	1/A711	2/A711	-	03		C	STORAGE 116B
116E	4'- 0"	7'- 0"	2"												
127	3'- 0"	7'- 0"	1 3/4"	WD	FV	-	ALUM	AL-1	5/A711	6/A711	-	02		E	127, NAME AND TITLE TBD
132	3'- 0"	7'- 0"	1 3/4"	WD	FV	-	ALUM	AL-2	5/A711	6/A711	-	01		E	132, NAME AND TITLE TBD



NOTE:
1. ALL GLAZING TO BE GL-1 TEMPERED GLASS.
2. PROVIDE BLINDS AT DOOR GLASS AND SIDELIGHT FOR PRIVACY, RE: SPECS. NO SHADE IS REQUIRED AT TRANSOM.

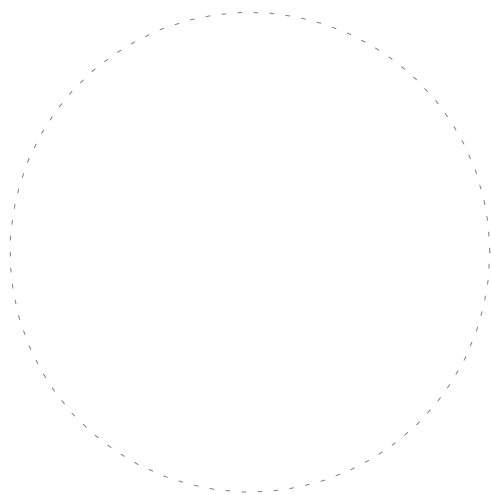


NOTE: PROVIDE BLINDS AT DOOR GLASS FOR PRIVACY, RE: SPECS.



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FRUITA CIVIC CENTER - OFFICE REMODEL

FRUITA, COLORADO

DOOR SCHEDULE, DOOR & FRAME TYPES

NO: ISSUED FOR: DATE:

PROJECT STATUS:
CONSTRUCTION DOCUMENTS

DATE:

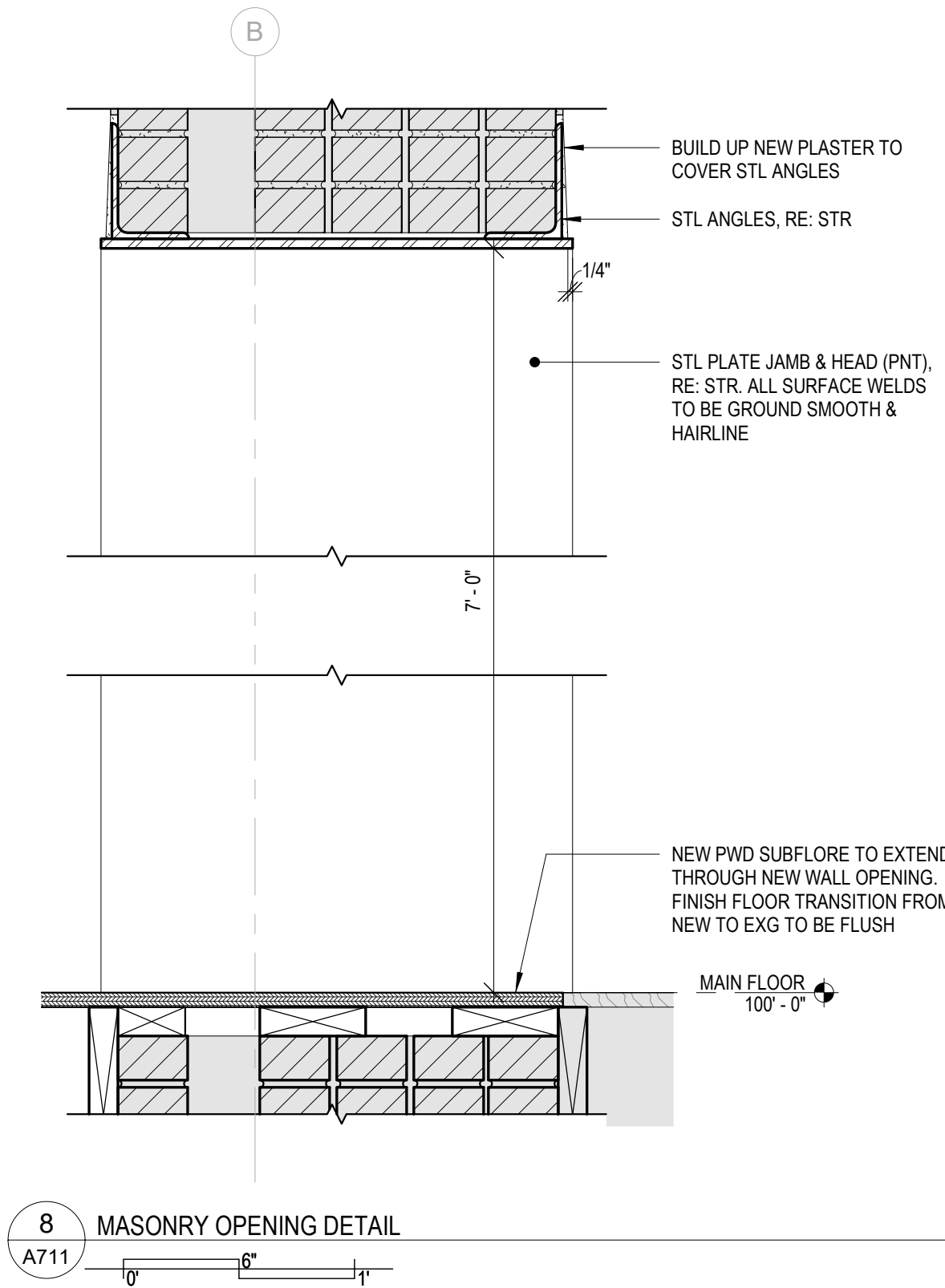
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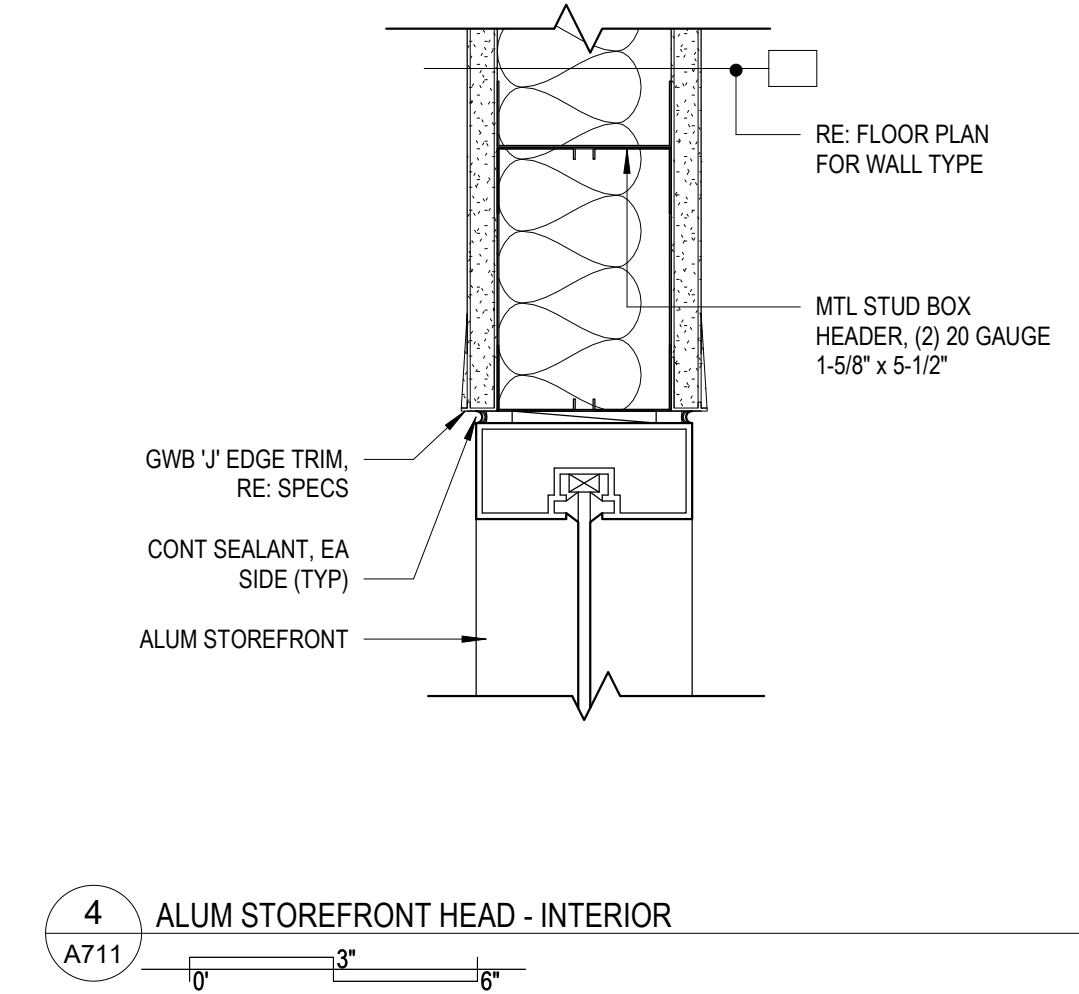
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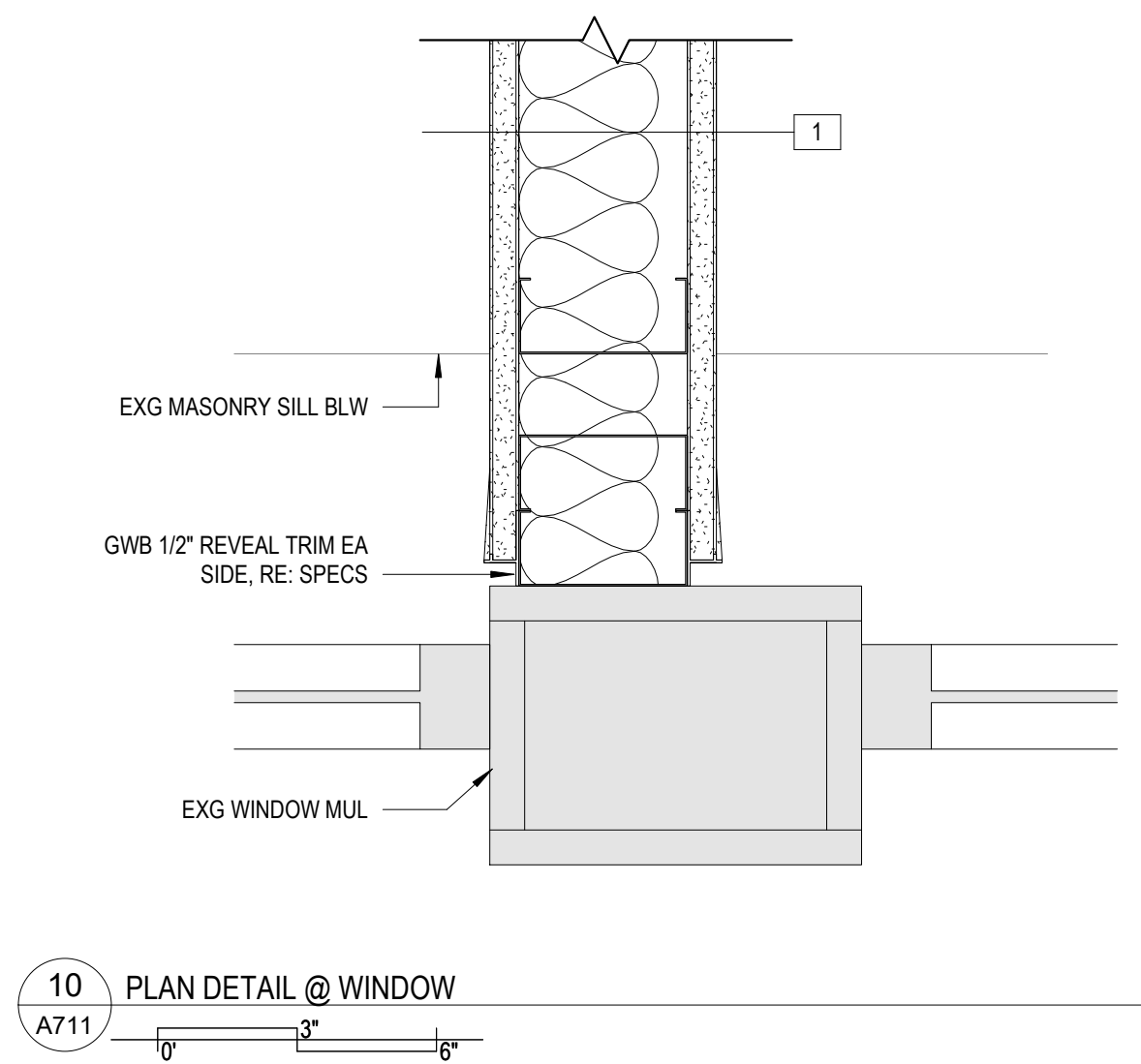
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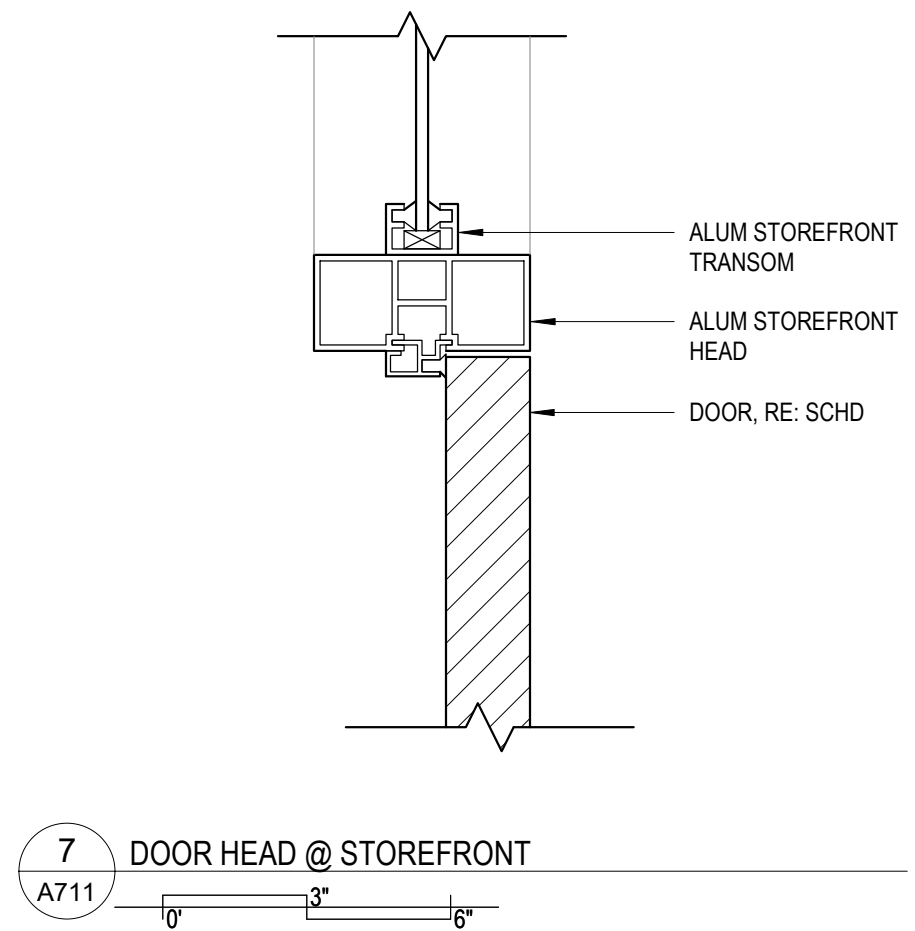
8 MASONRY OPENING DETAIL
A711



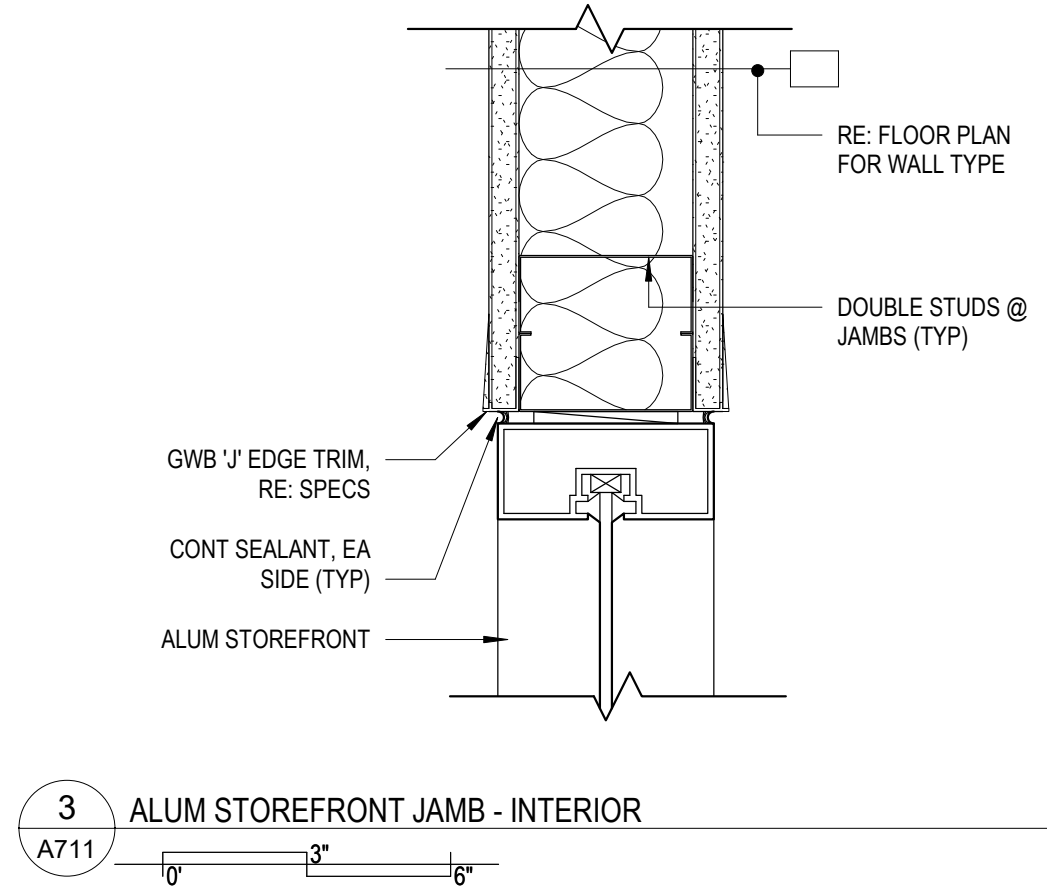
4 ALUM STOREFRONT HEAD - INTERIOR
A711



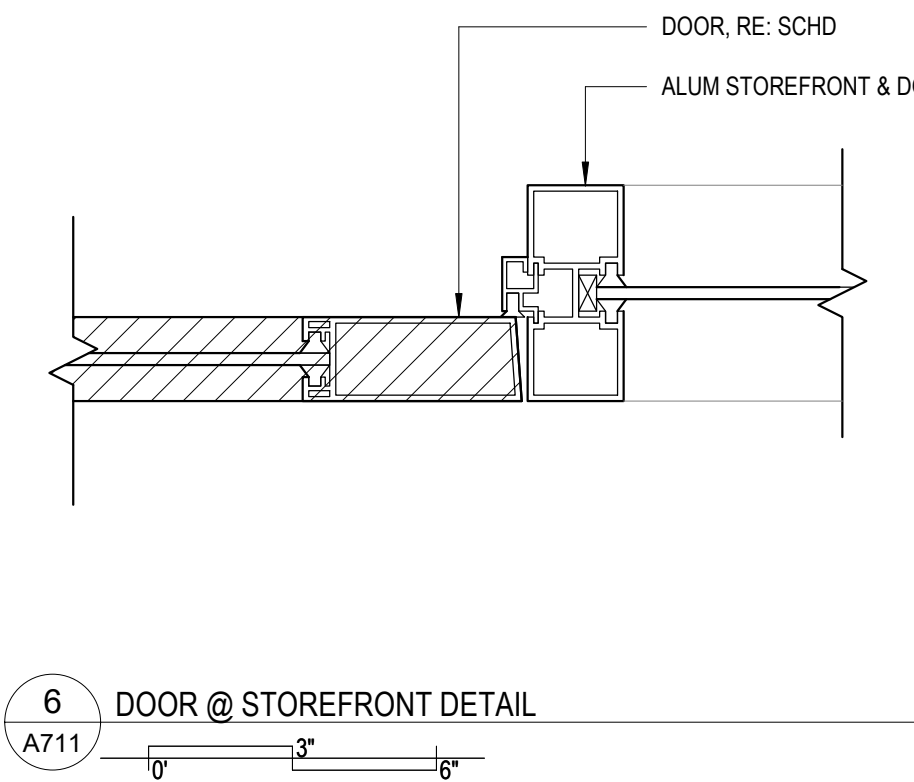
10 PLAN DETAIL @ WINDOW
A711



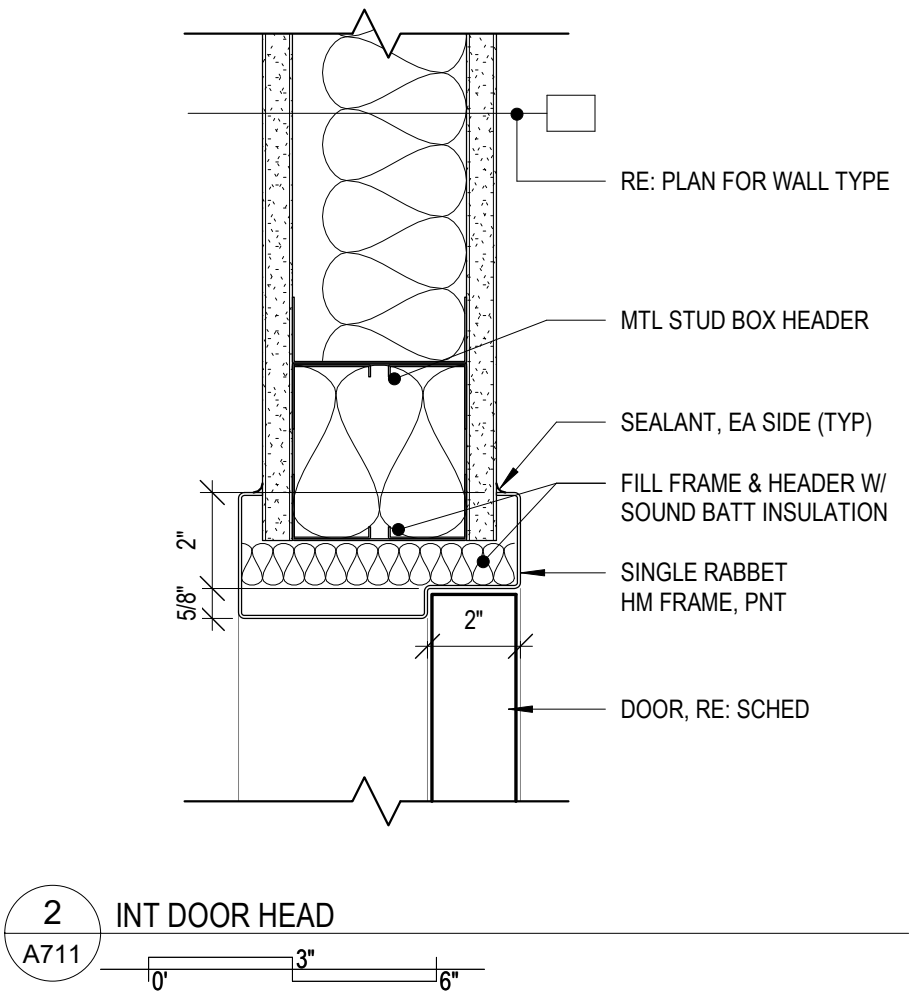
7 DOOR HEAD @ STOREFRONT
A711



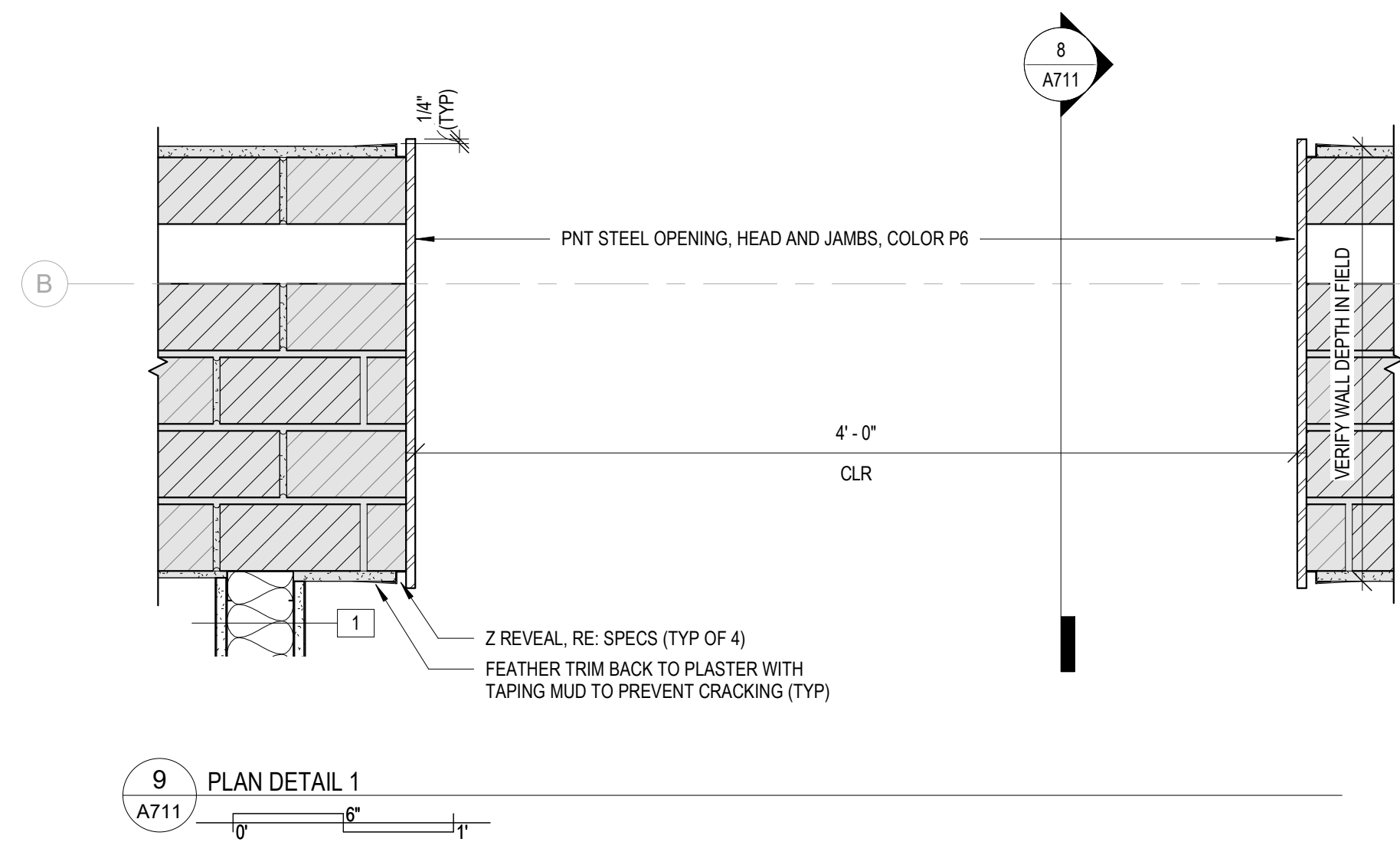
3 ALUM STOREFRONT JAMB - INTERIOR
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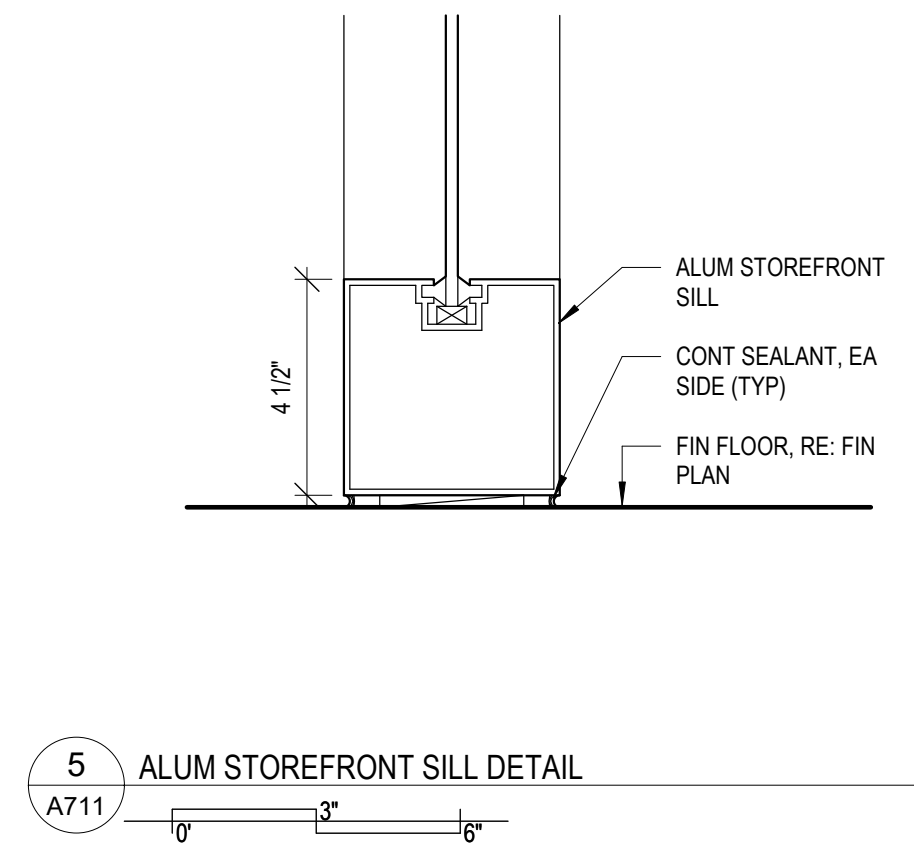
6 DOOR @ STOREFRONT DETAIL
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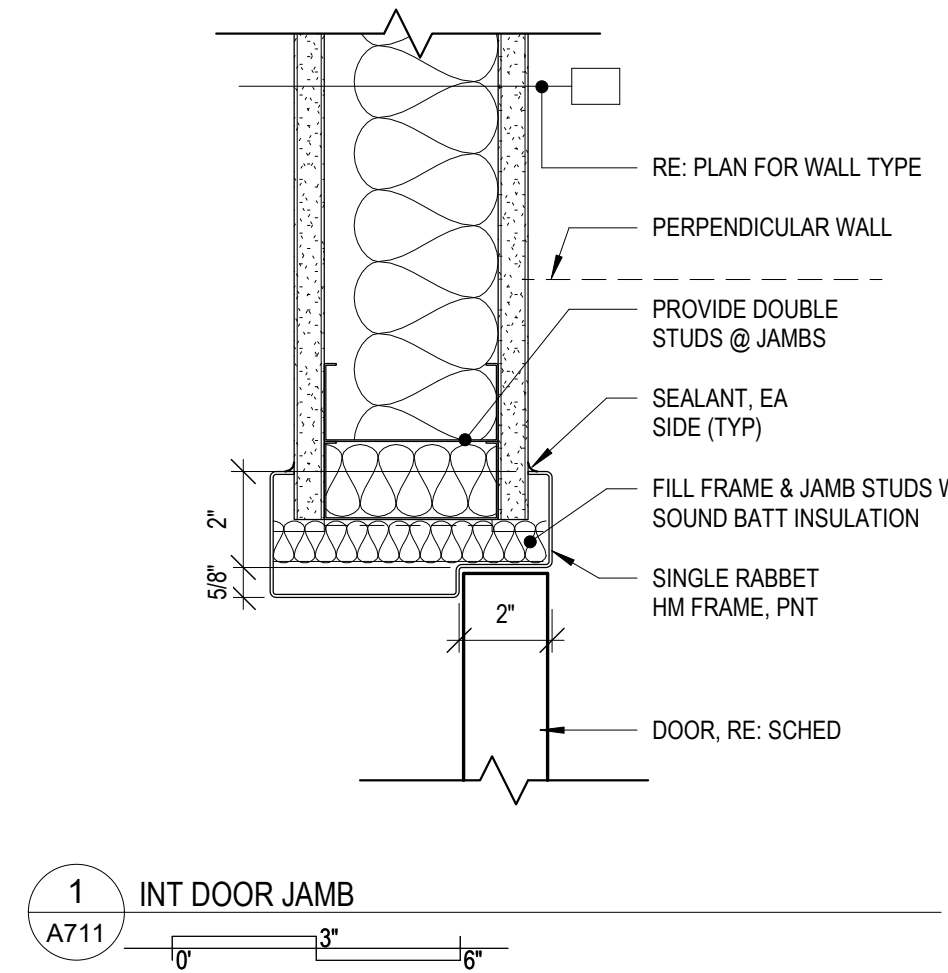
2 INT DOOR HEAD
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9 PLAN DETAIL 1
A711



5 ALUM STOREFRONT SILL DETAIL
A711

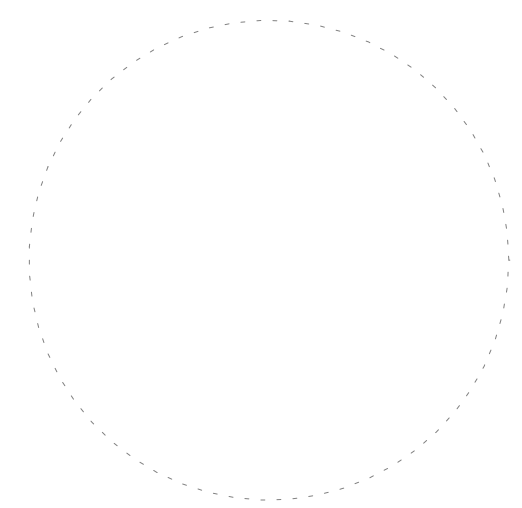


1 INT DOOR JAMB
A711



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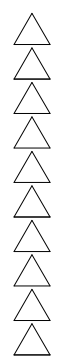


FRUITA CIVIC CENTER - OFFICE REMODEL

FRUITA, COLORADO

DETAILS

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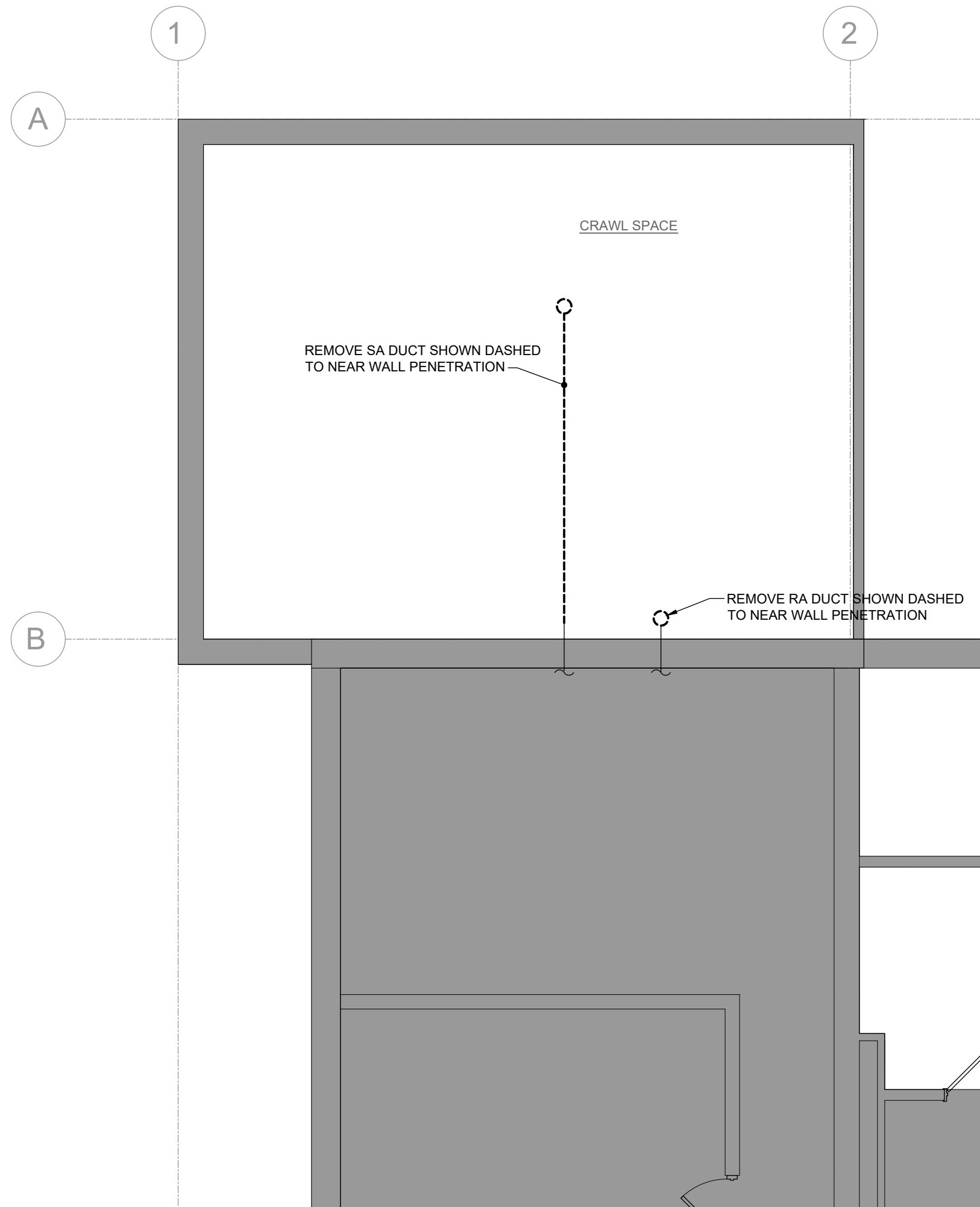
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CONSTRUCTION DOCUMENTS

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11/7/2022 SHEET NO:

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A711

ABBREVIATIONS		PIPING		PIPING ACCESSORIES		PIPING FITTINGS		DUCT ACCESSORIES		GRILLES, REGISTERS, AND DIFFUSERS		
AFF	ABOVE FINISHED FLOOR		CWR	CHILLED WATER RETURN		GATE OR GLOBE VALVE		ELBOW		FLEXIBLE DUCT CONNECTION		SIDEWALL RETURN OR EXHAUST GRILLE RA-1 (OR EA-1), 12"Wx8"H
AFG	ABOVE FINISHED GRADE		CWS	CHILLED WATER SUPPLY		BALL VALVE		ELBOW UP		MANUAL VOLUME DAMPERS IN DUCTS		SIDEWALL SUPPLY GRILLE OR REGISTER SA-1, 12"Wx8"H, 225 CFM
BDD	BACK DRAFT DAMPER		---	COLD WATER		CHECK VALVE		ELBOW DOWN		FIRE DAMPER		CEILING RETURN GRILLE OR REGISTER RA-1, 12"x8"
BFG	BELOW FINISHED GRADE		CA	COMPRESSED AIR		SOLENOID VALVE		TEE UP		COMBINATION FIRE/SMOKE DAMPER		CEILING SUPPLY DIFFUSER, GRILLE, OR REGISTER SA-1, 24"x24", 225 CFM
CD	CONDENSATE DRAIN		---	HOT WATER - DOMESTIC		BUTTERFLY VALVE		TEE DOWN		MOTORIZED CONTROL DAMPER IN DUCT		CEILING EXHAUST GRILLE OR REGISTER EA-1, 12"x8", 200 CFM
CFM	CUBIC FEET PER MINUTE		---	HOT WATER - DOMESTIC, TEMPERATURE SHOWN		RELIEF VALVE						
COTG	CLEANOUT TO GRADE		---	HOT WATER CIRCULATING - DOMESTIC		BALANCING VALVE, CALIBRATED						
CV	CIRCUIT VENT		HWR	HEATING WATER RETURN		ANGLE VALVE, GATE OR GLOBE						
CW	COLD WATER		HWS	HEATING WATER SUPPLY		UNION						
DB	DRY BULB TEMPERATURE		G	NATURAL GAS		CONTROL VALVE, 2-WAY						
EA	EXHAUST AIR		NO	NITROUS OXIDE		CONTROL VALVE, 3-WAY						
EAT	ENTERING AIR TEMPERATURE		O	OXYGEN		P-T PORT						
EWT	ENTERING WATER TEMPERATURE		ORDL	OVERFLOW ROOF DRAIN PIPING		STRAINER						
FCO	FLOOR CLEANOUT		RDL	ROOF DRAIN PIPING		THERMOMETER IN PIPELINE						
"F	DEGREES FAHRENHEIT		RL	REFRIGERATION LIQUID		PRESSURE REGULATING VALVE						
FF	FINISHED FLOOR		RS	REFRIGERATION SUCTION		HOSE BIBB						
GC	GENERAL CONTRACTOR		SS	SANITARY SEWER		PRESSURE GAUGE						
HW	HOT WATER - DOMESTIC		---	SANITARY VENT		HORIZONTAL CLEANOUT						
HWC	HOT WATER CIRCULATING - DOMESTIC		SWR	SNOWMELT RETURN		FLOOR CLEANOUT						
HWR	HOT WATER RETURN		SWS	SNOWMELT SUPPLY		TWO-WAY CLEANOUT						
HWS	HOT WATER SUPPLY		V	VACUUM		FLOOR DRAIN OR SHOWER DRAIN						
LB	POUNDS (WEIGHT)		---	WASTE		FLOOR SINK						
MC	MECHANICAL CONTRACTOR		---			ROOF DRAIN						
NIC	NOT IN CONTRACT											
NK	NECK (DUCT CONNECTION)											
NTS	NOT TO SCALE											
OBD	OPPOSED BLADE DAMPER											
PC	PLUMBING CONTRACTOR											
RA	RETURN AIR											
RDL	ROOF DRAIN LEADER											
RE	REFER TO											
SA	SUPPLY AIR											
SDL	STORM DRAIN LEADER											
SS	SANITARY SEWER											
SWR	SNOWMELT WATER RETURN											
SWS	SNOWMELT WATER SUPPLY											
TYP	TYPICAL											
UNO	UNLESS NOTED OTHERWISE											
V	VENT											
VTR	VENT THROUGH ROOF											
WCO	WALL CLEANOUT											
W	WASTE											
WB	WET BULB TEMPERATURE											
											</	



BASEMENT MECHANICAL DEMOLITION PLAN

SCALE: 3/16" = 1'-0"
0' 4' 8'

GENERAL NOTES

THE MECHANICAL CONTENT OF THIS DRAWING IS DIAGRAMMATIC AND NOT NECESSARILY TO SCALE.

MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EXISTING REUSED DUCTWORK REMAINS IN GOOD CONDITION OR SHALL REPLACE WITH NEW EQUIVALENT MATERIALS AT NO EXPENSE TO OTHERS.

THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO LOCATIONS OF DUCTWORK, EQUIPMENT, PIPING, AND SUPPORTS IN ORDER TO COORDINATE WITH BUILDING CONSTRUCTION AND WORK OF OTHER TRADES.

ALL BRANCH DUCTS SERVING ONE DIFFUSER OR EXHAUST GRILLE SHALL INCLUDE A VOLUME DAMPER AT THE BRANCH DUCT POINT OF ORIGIN, UNLESS THE GRILLE OR DIFFUSER HAS BEEN SPECIFIED TO INCLUDE A BALANCING DAMPER.

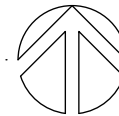
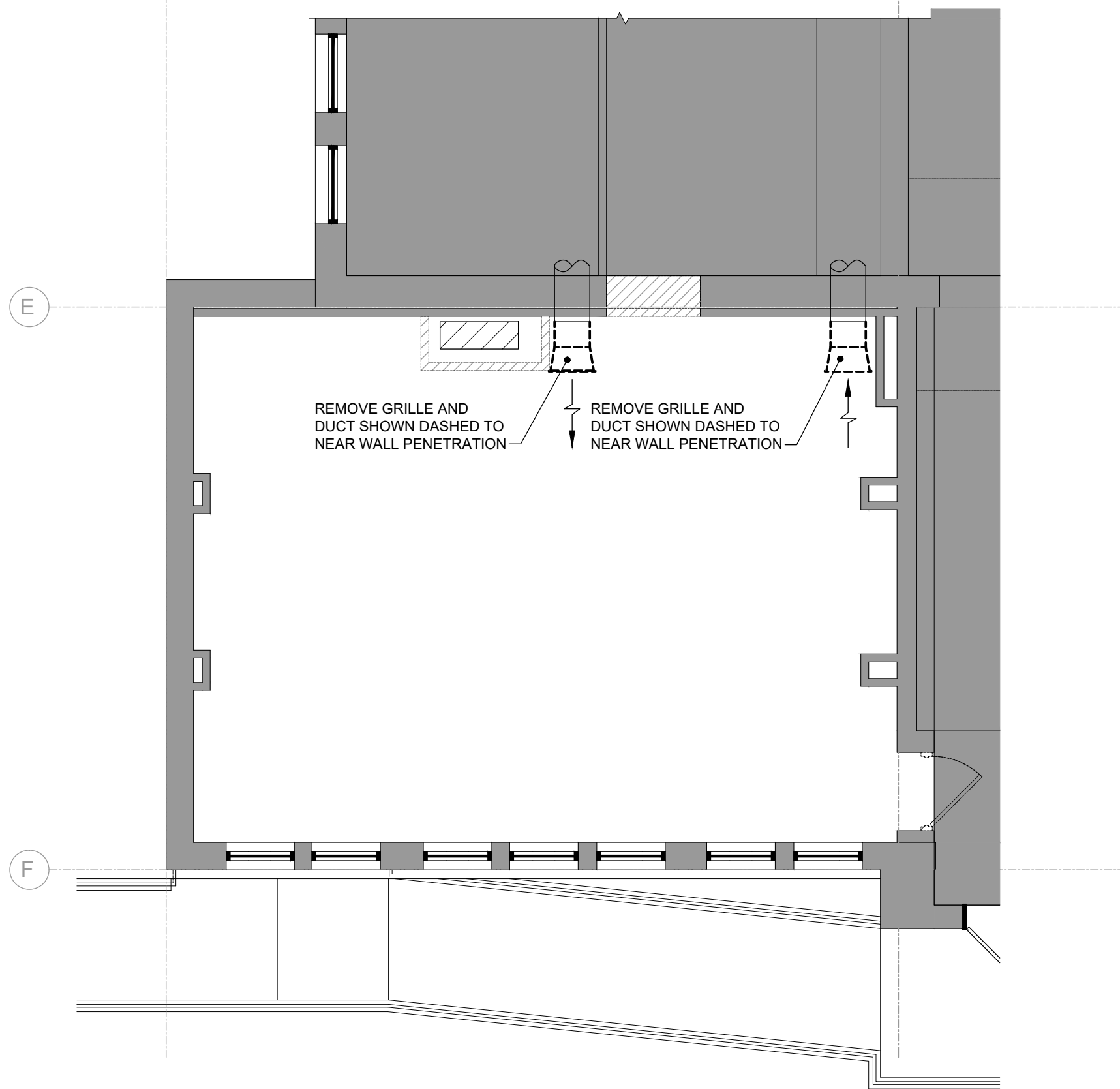
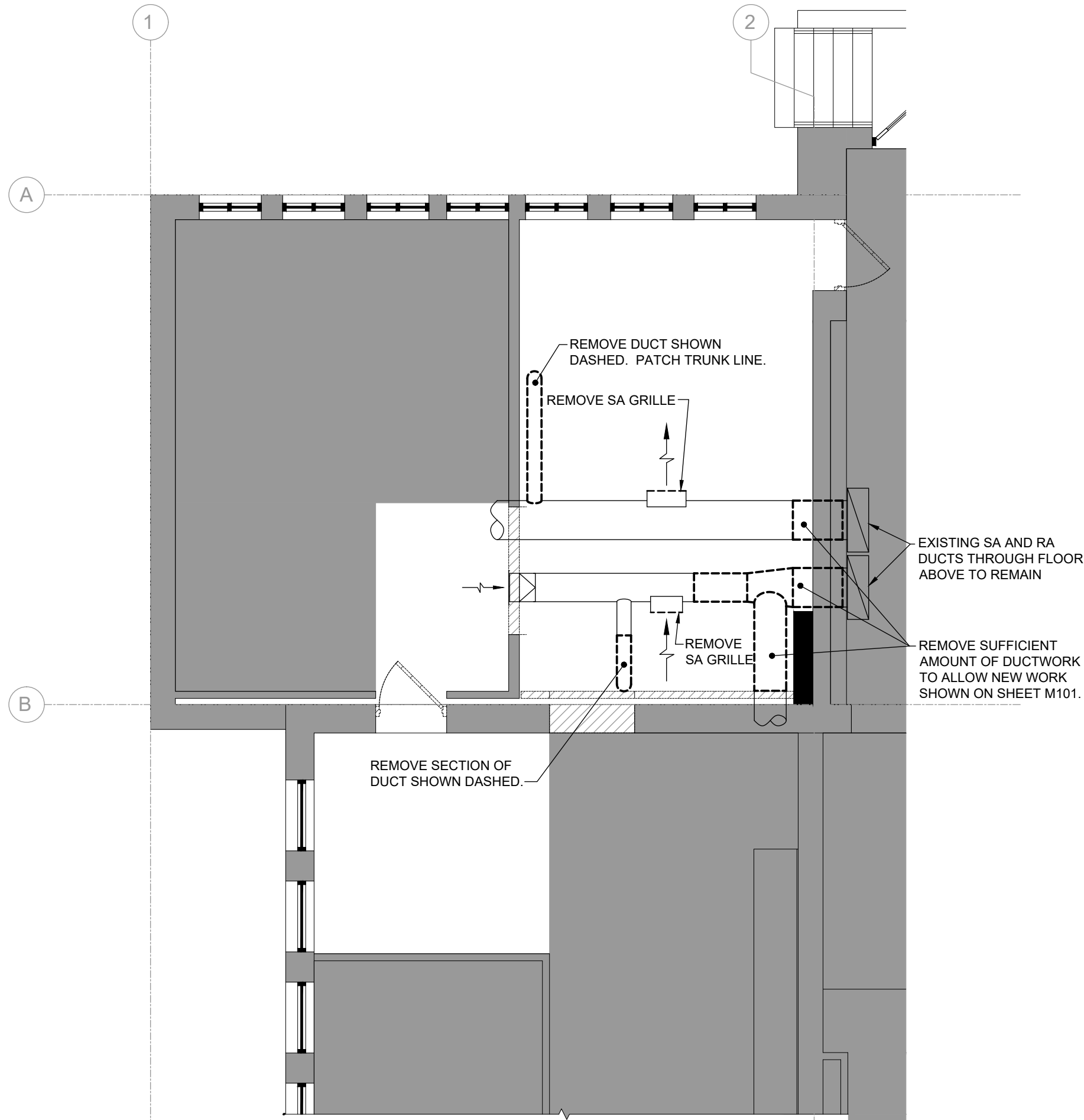
BRANCH DUCTS SERVING SINGLE DIFFUSERS SHALL BE SIZED TO MATCH THE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.

ALL FLOOR PENETRATIONS SHALL BE FINISHED WITH FIRE STOP MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS AND APPLICABLE CODES.

INDICATED DUCT DIMENSIONS ARE SHEET METAL DIMENSIONS.

SNAP-LOCK SEAM ROUND DUCTS ARE INDICATED USING SINGLE LINE.

REFER TO SCHEDULES AND SPECIFICATIONS FOR EQUIPMENT AND MATERIALS OF CONSTRUCTION.



FIRST FLOOR MECHANICAL DEMOLITION PLAN

SCALE: 3/16" = 1'-0"
0' 4' 8'



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**FRUITA CIVIC
CENTER - OFFICE
REMODEL**

FRUITA, COLORADO

**MECHANICAL
DEMOLITION PLANS**

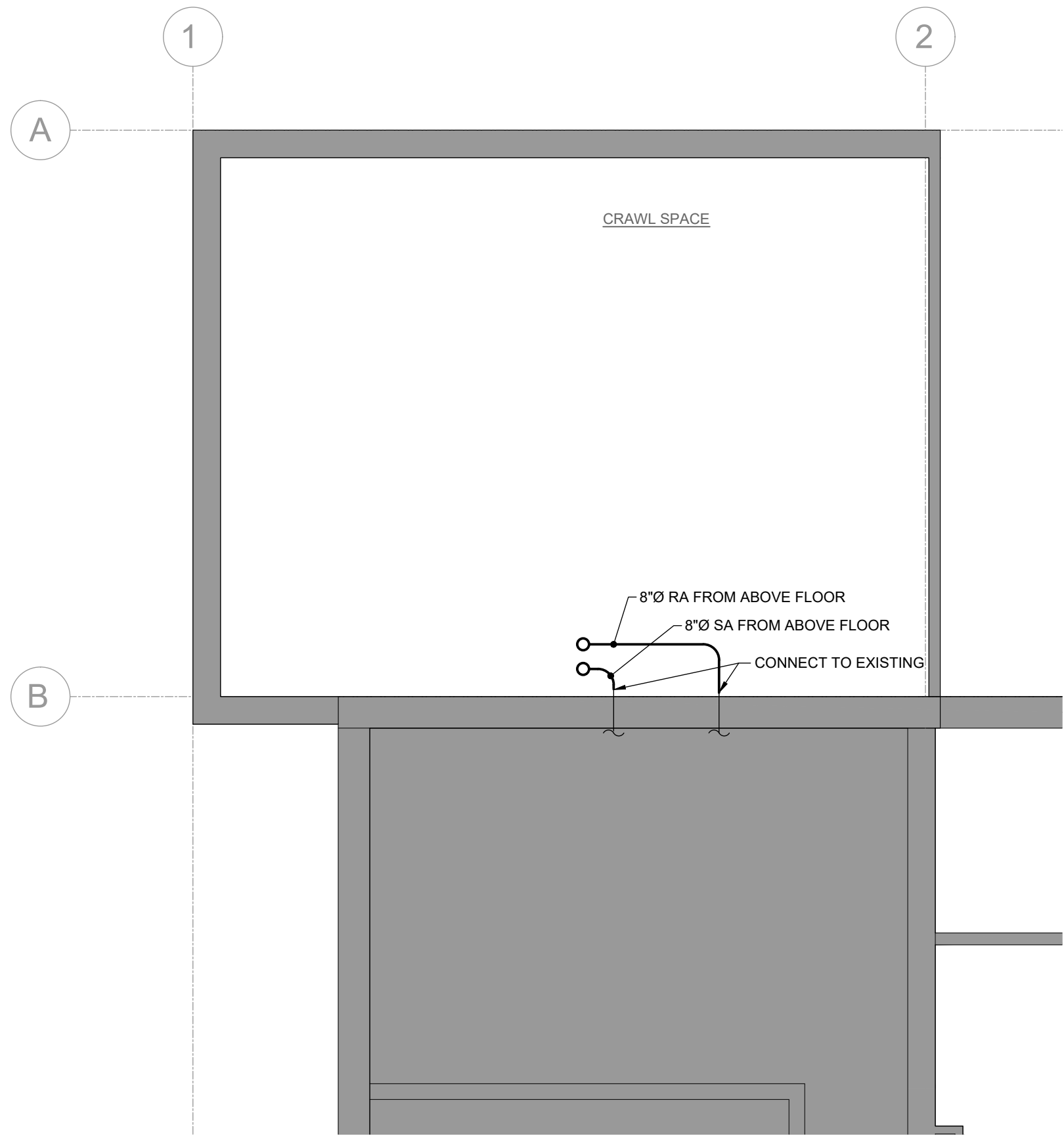
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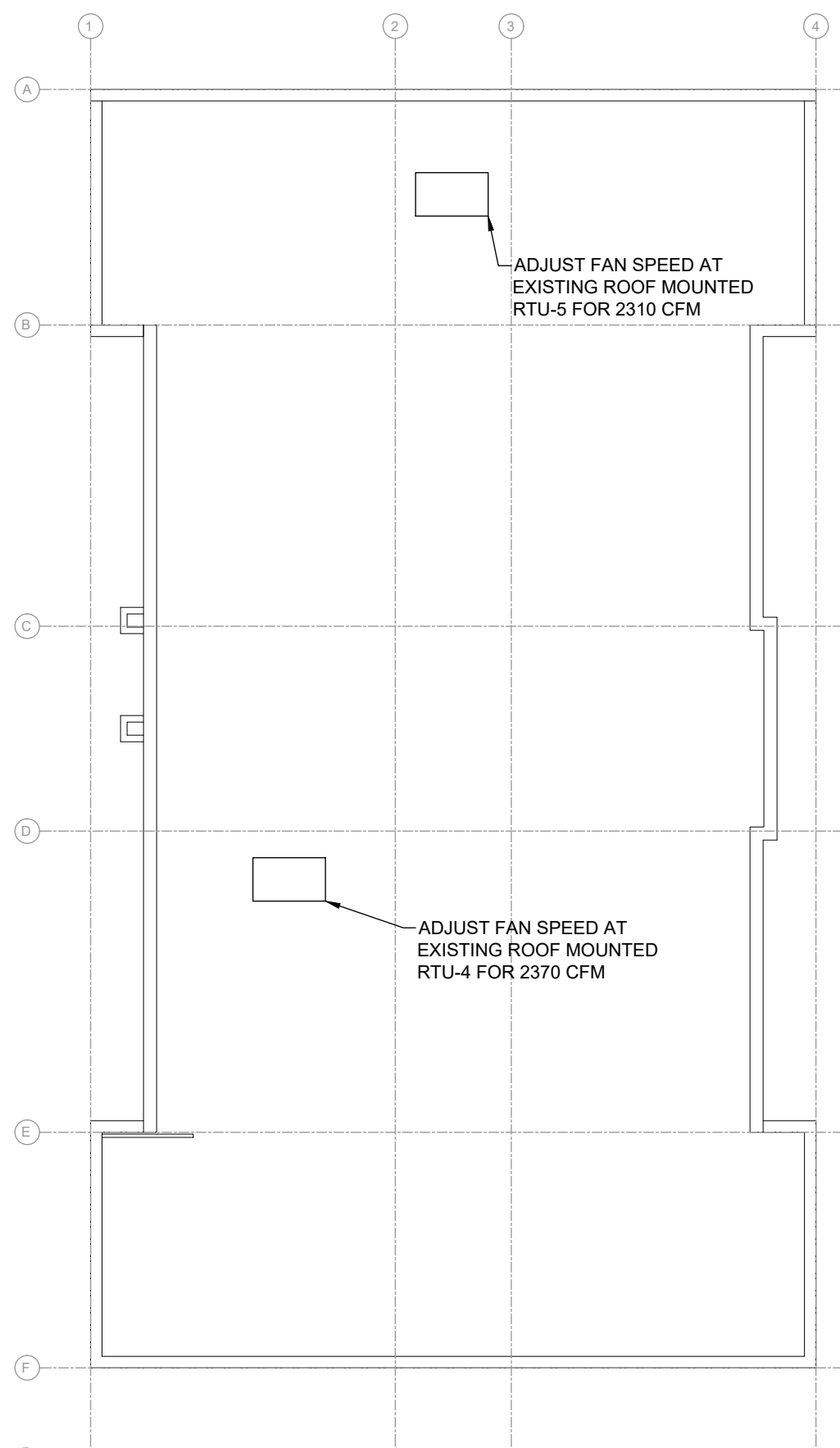
PROJECT STATUS:
CONSTRUCTION DOCUMENTS

DATE:
11/07/2022 SHEET NO:

PROJECT NO:
2146.02 **M011**



BASEMENT MECHANICAL PLAN
SCALE: 3/16" = 1'-0"
0' 4' 8'



ROOF MECHANICAL PLAN
SCALE: 1/16" = 1'-0"
0' 8' 16'

GENERAL NOTES

THE MECHANICAL CONTENT OF THIS DRAWING IS DIAGRAMMATIC AND NOT NECESSARILY TO SCALE.

MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EXISTING REUSED DUCTWORK REMAINS IN GOOD CONDITION OR SHALL REPLACE WITH NEW EQUIVALENT MATERIALS AT NO EXPENSE TO OTHERS.

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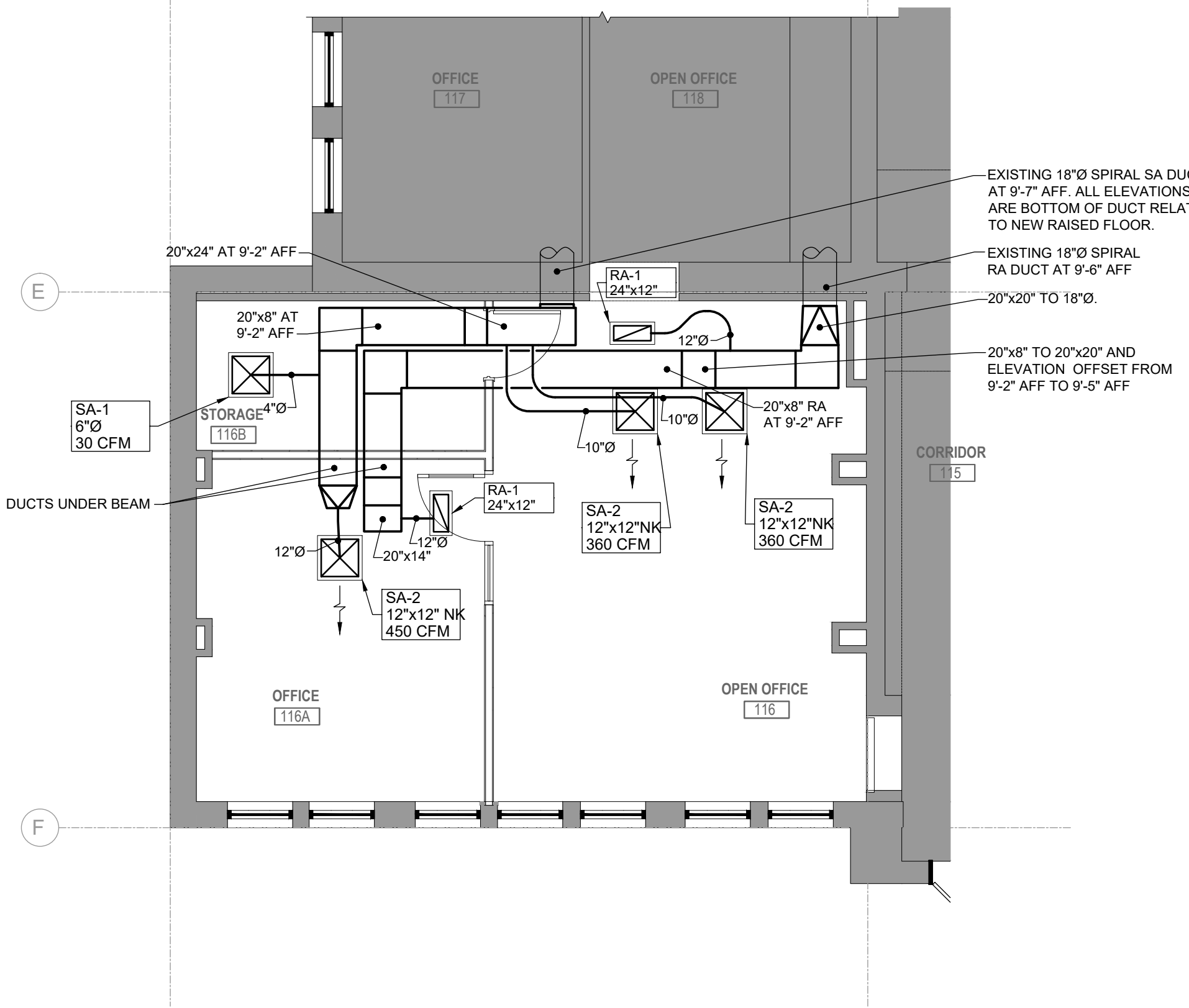
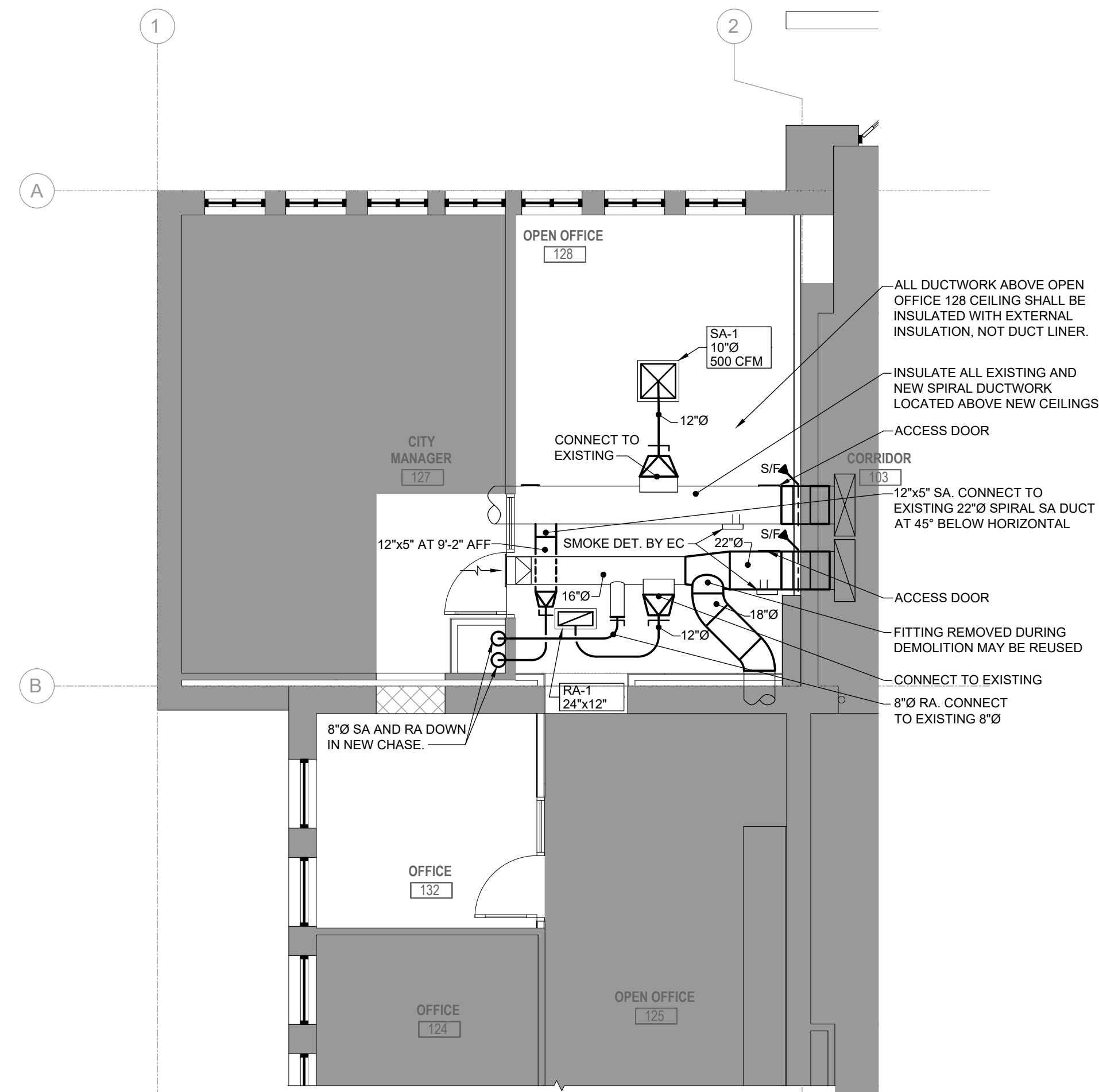
BRANCH DUCTS SERVING SINGLE DIFFUSERS SHALL BE SIZED TO MATCH THE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.

ALL FLOOR PENETRATIONS SHALL BE FINISHED WITH FIRE STOP MATERIALS IN ACCORDANCE WITH APPLICABLE CODES.

INDICATED DUCT DIMENSIONS ARE SHEET METAL DIMENSIONS.

SNAP-LOCK SEAM ROUND DUCTS ARE INDICATED USING SINGLE LINE.

REFER TO SCHEDULES AND SPECIFICATIONS FOR EQUIPMENT AND MATERIALS OF CONSTRUCTION.



FIRST FLOOR MECHANICAL PLAN
SCALE: 3/16" = 1'-0"
0' 4' 8'



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FRUITA CIVIC CENTER - OFFICE REMODEL

FRUITA, COLORADO

MECHANICAL PLANS

NO: ISSUED FOR: DATE:



PROJECT STATUS:
CONSTRUCTION DOCUMENTS

DATE: 11/07/2022 SHEET NO:

PROJECT NO: 2146.02 **M101**



DEMOLITION PLAN
3/16" = 1'-0"

DRAWING FLAG NOTES:

- 1 RECIRCUIT SWITCH TO NEW LOCATION. REMOVE RACEWAY IF CIRCUIT DOES NOT CONTINUE.
- 2 REPLACE WITH NEW DEVICES.
- 3 APPROXIMATE LOCATION OF PANEL F1 IN BASEMENT.
- 4 APPROXIMATE LOCATION OF DATA RACK AND FACP IN BASEMENT.
- 5 REMOVE DEVICE OR EQUIPMENT, RECIRCUIT AS REQUIRED.
- 6 INSTALL ABB 68R SERIES FLOOR BOX WITH BRASS FLANGE TRIM KIT OR EQUAL. INSTALL FLOOR BOX W/ POWER, DATA CONNECTION TO DATA OUTLET NORTH WALL. COMPATIBLE WITH CARPET INSERT, CONTRACTOR SHALL FIELD VERIFY REQUIREMENTS PRIOR TO ANY WORK.
- 7 INSTALL ON EXISTING RACEWAY AND USE EXISTING CIRCUIT.
- 8 INSTALL DUCT DETECTOR COMPATIBLE WITH EXISTING FIRELITE MS-S210UD SYSTEM, COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

POWER PLAN
3/16" = 1'-0"

LIGHTING PLAN
3/16" = 1'-0"

- DRAWING NOTES
1. CIRCUIT NUMBERS TAKEN FROM PANEL SCHEDULE AND PRESUMED TO BE CORRECT. CONTRACTOR SHALL FIELD VERIFY ALL AFFECTED CIRCUITING PRIOR TO ANY WORK AND COORDINATE AND CHANGES IF REQUIRED WITH THE ENGINEER.
 2. UPDATE THE PANEL SCHEDULE TO REFLECT FINDINGS AND CHANGES.



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FRUITA CIVIC
CENTER - OFFICE
REMODEL

FRUITA, COLORADO

DEMOLITION
LIGHTING
POWER

NO: ISSUED FOR: DATE:



PROJECT STATUS:
CONSTRUCTION DOCUMENTS

DATE: 11/07/2022 SHEET NO:

PROJECT NO: 2146.02 **E101**

SECTION 260100
ELECTRICAL GENERAL PROVISIONS PART 1 - GENERAL
1.01 GENERAL CONDITIONS
A. THE INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SPECIAL CONDITIONS, ADDENDAS, ALTERNATES, THESE TECHNICAL SPECIFICATIONS AND ALL DRAWINGS, TOGETHER WITH THE FORM OF PROPOSAL AND AGREEMENT, COMPRISE THE CONTRACT DOCUMENTS FOR THE ELECTRICAL CONTRACT. THE ELECTRICAL CONTRACTOR SHALL EXAMINE ALL OF THESE DOCUMENTS PRIOR TO SUBMITTING HIS OR HER PROPOSAL.
B. THE CONTRACTOR IS REQUIRED TO READ CAREFULLY THE SPECIFICATIONS FOR ALL PARTS OF THE WORK SO AS TO BECOME FAMILIAR NOT ONLY WITH THE WORK COVERED BY THIS SECTION, BUT ALSO THAT OF OTHER DIVISIONS AND SECTIONS INCLUDING ALL DRAWINGS.
C. REFER TO THE GENERAL REQUIREMENTS, DIVISION 15 MECHANICAL, AS MANY OF THE GENERAL REQUIREMENTS STATED THEREIN ARE APPLICABLE TO THE ELECTRICAL WORK AND COORDINATION OF THE TWO TRADES IS COVERED.
D. THE CONTRACTOR SHALL WATCH THE PROGRESS OF THE WORK AND REPORT TO THE ENGINEER IMMEDIATELY ANY CASES WHERE AMPLE SPACE HAS NOT BEEN PROVIDED TO ACCOMMODATE HIS WORK. HE MUST NOT CUT THROUGH ANY FINISHED WORK UNTIL HE HAS RECEIVED PERMISSION FROM THE ENGINEER. NO CLAIMS FOR EXTRA WORK WILL BE ALLOWED BECAUSE OF MISINTERPRETATION OF PLANS AND SPECIFICATIONS OR DUE TO CONFLICT BETWEEN TRADES FOR USEABLE SPACE.
E. THE CONTRACTOR IS INVITED TO SUBMIT ALTERNATIVE METHODS OR MATERIALS AS A COST REDUCTION FACTOR, HOWEVER SAFETY AND INTEGRITY OF THE SYSTEMS MUST BE MAINTAINED. THESE ALTERNATIVE METHODS OR MATERIALS ARE NOT TO BE IMPLEMENTED UNLESS WRITTEN PERMISSION IS PROVIDED BY THE ENGINEER.
F. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDED IN THIS SECTION AND THE DELEGATION OF WORK TO THE ELECTRICAL CONTRACTOR, SHALL NOT RELIEVE HIM OF THIS RESPONSIBILITY. THE ELECTRICAL CONTRACTOR AND HIS SUBCONTRACTORS WHO PERFORM WORK UNDER THIS SECTION SHALL BE RESPONSIBLE TO THE GENERAL CONTRACTOR.
G. BEFORE SUBMITTING BID, CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL ADJOINING EXISTING BUILDINGS, FACILITIES, SITE CONDITIONS, AND EQUIPMENT AND SPACE CONDITIONS ON DEPENDENT WHICH HIS WORK IS IN ANY WAY DEPENDS FOR THE BEST WORKMANSHIP AND OPERATION ACCORDING TO THE INTENT OF SPECIFICATIONS AND DRAWINGS. HE SHALL REPORT TO THE ENGINEER ANY CONDITION WHICH MIGHT PREVENT HIM FROM INSTALLING HIS EQUIPMENT IN THE MANNER INTENDED. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT SITE, OR FOR ANY ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED OR WORK TO BE DONE.
1.02 CONTENTS
A. SPECIFIED HEREIN: GENERAL REQUIREMENTS FOR ELECTRICAL WORK.
B. DESCRIBED HEREIN ARE THE FOLLOWING:
SCOPE
QUALITY ASSURANCE, STANDARDS AND SYMBOLS
FEES AND INSPECTION CERTIFICATES
MATERIALS
SUBMITTALS
SUBSTITUTION OF MATERIALS
TEMPORARY POWER AND LIGHTING
ELECTRICAL DRAWINGS
COORDINATION
EQUIPMENT IDENTIFICATION AND MARKING
SLEEVES, INSERTS, FASTENINGS, SUPPORTS, CUTTING AND PATCHING
SCAFFOLDING
TESTING, ADJUSTING, CLEANING
AS-BUILT DRAWINGS
OPERATION AND MAINTENANCE MANUALS
INTERPRETATION OF DOCUMENTS
1.03 SCOPE
A. ANY AND ALL APPARATUS APPLIANCE, MATERIAL OR WORK NOT SHOWN ON DRAWINGS OR MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES OR EQUIPMENT NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED, DELIVERED AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. CONTRACTOR SHALL FIELD VERIFY ALL CONTROLLING CONDITIONS PRIOR TO BIDDING AND INCLUDE ANY AND ALL WORK AND MATERIALS IN THE BASE BID.
B. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION, SHALL BE INCLUDED IN THE CONTRACTOR'S ESTIMATE, THE SAME AS IF HEREIN SPECIFIED OR SHOWN. IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED, AND READY FOR OPERATION.
C. WITH SUBMISSION OF BID, THE ELECTRICAL CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE ENGINEER OF ANY MATERIALS OR APPARATUS BELIEVED INADEQUATE OR UNSUITABLE, IN VIOLATION LAWS, ORDINANCES, OR RULES AND ANY NECESSARY ITEMS OR WORK OMITTED. IN THE ABSENCE OF SUCH WRITTEN NOTICE IT IS MUTUALLY AGREED THE CONTRACTOR HAS INCLUDED THE COST OF ALL REQUIRED ITEMS IN HIS PROPOSAL, AND THAT HE WILL BE RESPONSIBLE FOR THE APPROVED SATISFACTORY FUNCTIONING OF THE ENTIRE SYSTEM WITHOUT EXTRA COMPENSATION.
D. NOT USED
E. THE WORK CONSISTS OF THE FOLLOWING:
1. INSTALLATION OF ANY AND ALL ELECTRICAL EQUIPMENT AND DEVICES DEPICTED ON THE DRAWINGS AND AS REQUIRED TO PROVIDE A COMPLETE SYSTEM.
2. BRANCH CIRCUIT WIRING, ETC., AS SHOWN ON THE PLANS OR REQUIRED FOR OPERATION OF THE ELECTRICAL SYSTEM.
3. A COMPLETE CONDUIT AND RACEWAY SYSTEM PROPERLY GROUNDED TO THE BUILDING GROUNDING SYSTEM AND/OR WATER SERVICE PIPING.
4. CUTTING AND PATCHING OF HOLES REQUIRED FOR THE INSTALLATION IN CONCRETE, WOOD, STEEL OR MASONRY.
5. REPAIR OF ALL DAMAGE DONE TO THE PREMISES AS A RESULT OF THE INSTALLATION AND REMOVAL OF ALL DEBRIS OR SURPLUS MATERIAL LEFT BY THOSE ENGAGED IN THE WORK.
6. COMPLETE AND THOROUGH CLEANING OF ALL EQUIPMENT FURNISHED AND INSTALLED, BOTH INSIDE AND OUTSIDE, AND MADE READY FOR PAINTING BY OTHERS.
7. TESTING AND ADJUSTING OF ALL EQUIPMENT.
8. COOPERATION WITH OTHER CRAFTS IN FITTING THE INSTALLATION IN PLACE AT ANY TIME WHEN SPACE REQUIRED IS READY AND THE PROGRESS OF THE WORK SO DICTATES.
9. DEMOLITION OF EXISTING LIGHTING EQUIPMENT AS CALLED OUT ON THE CONSTRUCTION DOCUMENTS.
1.04 NOT USED
1.05 QUALITY ASSURANCE, STANDARDS AND SYMBOLS
A. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY AND FIRE INSURANCE CARRIERS REQUIREMENTS. CONTACT PROPER AUTHORITIES, OBTAIN AND PAY FOR REQUIRED PERMITS, INSPECTIONS AND UTILITY SERVICE CONNECTIONS. DO NOT INCLUDE ANY UTILITY COMPANY CHARGES THAT CAN BE BILLED DIRECTLY TO THE OWNER.
B. IN CASE OF DIFFERENCE BETWEEN THE BUILDING CODES, SPECIFICATIONS, STATE LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS, FIRE INSURANCE CARRIER'S REQUIREMENTS, AND THE CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL GOVERN. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DIFFERENCE.
C. NONCOMPLIANCE: SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE BUILDING CODES, STATE LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, FIRE INSURANCE CARRIER'S REQUIREMENTS, AND UTILITY COMPANY REGULATIONS, HE SHALL BEAR THE COST ARISING IN CORRECTING ANY SUCH DEFICIENCY.
D. APPLICABLE CODES AND ALL STANDARDS SHALL INCLUDE ALL STATE LAWS, LOCAL ORDINANCES, UTILITY COMPANY REGULATIONS AND THE APPLICABLE REQUIREMENTS OF THE FOLLOWING NATIONALLY ACCEPTED CODES AND STANDARDS:
1. BUILDING CODES
A. INTERNATIONAL BUILDING CODE
B. LOCAL BUILDING CODE
C. NATIONAL ELECTRICAL CODE
D. STATE ELECTRICAL CODE
E. LOCAL MUNICIPAL ELECTRICAL CODE
2. INDUSTRY STANDARDS, CODES, AND SPECIFICATIONS
A. ASTM- AMERICAN SOCIETY FOR TESTING AND MATERIALS
B. EIA -ELECTRONIC INDUSTRIES ASSOCIATION
C. IEEE - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
D. IPCEA - INSULATED POWER CABLE ENGINEERS' ASSOCIATION
E. NEC - NATIONAL ELECTRICAL CODE NFPA NO. 70-1996
F. NBS - NATIONAL BUREAU OF STANDARDS
G. NEMA -NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
H. NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
I. USASI - UNITED STATES OF AMERICA STANDARDS INSTITUTE
J. UL -UNDERWRITERS' LABORATORIES
3. INSURANCE CARRIERS
A. FIA - FACTORY INSURANCE ASSOCIATION
B. FMED - FACTORY MUTUAL ENGINEERING DIVISIONS.
E. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERALLY THE LOCATIONS OF MATERIAL AND EQUIPMENT. THESE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE WORK UNDER THIS SECTION WITH THE OTHER CONTRACTORS AS REQUIRED, AND THE DRAWINGS OF OTHER TRADES FOR EXACT DIMENSIONS, CLEARANCES AND ROUGHING-IN LOCATIONS. THIS CONTRACTOR SHALL COOPERATE WITH ALL OTHER ADJUSTMENTS TO ACCOMMODATE THE WORK OF OTHERS. DO NOT RELY ON THE SCALE OF THE DRAWINGS FOR ROUGH-IN MEASUREMENTS, NOR USE THEM AS SHOP DRAWINGS.
F. ALL MATERIALS AND EQUIPMENT FOR WHICH LABEL SERVICE IS AVAILABLE SHALL BEAR THE LABEL OF THE UNDERWRITERS' LABORATORIES INC.

G. GUARANTEE: THIS CONTRACTOR SHALL GUARANTEE HIS WORKMANSHIP AND MATERIAL. ANY EXISTING EQUIPMENT ARE EXEMPT FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AND LEAVE HIS WORK IN PERFECT ORDER AT COMPLETION. SHOULD DEFECTS DEVELOP WITHIN THE GUARANTEE PERIOD, THIS CONTRACTOR SHALL, UPON NOTICE OF SAME, REMEDY THE DEFECTS AND HAVE ALL DAMAGES TO OTHER WORK OR FURNISHINGS CAUSED BY THE DEFECTS OR THE WORK OF CORRECTING SAME REPAIRED AND/OR REPLACED AT HIS EXPENSE, TO THE CONDITION BEFORE SUCH DAMAGE.
1.06 FEES AND INSPECTION CERTIFICATES
A. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTION SERVICES AND CERTIFICATES IN CONNECTION WITH THIS WORK.
B. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF ALL RECOGNIZED AGENCIES CONCERNED WITH THE WORK, ALONG WITH THE APPROVAL OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, SUCH CERTIFICATES OF INSPECTION AND APPROVAL FROM SAID BUREAU AND/OR AGENCIES MUST BE SUBMITTED TO THE ENGINEER.
1.07 MATERIALS
A. REFER TO RELEVANT SECTIONS FOR GENERAL REQUIREMENTS ON PRODUCTS, MATERIALS AND EQUIPMENT.
B. ALL MATERIALS SHALL BE NEW, THE BEST OF THEIR RESPECTIVE KINDS, UNLESS OTHERWISE SPECIFIED, AND SHALL BE INSTALLED BY LABOR THOROUGHLY SKILLED IN THE CLASS OF WORK ANTICIPATED BY THIS CONTRACT.
C. PROVIDE PRODUCTS WHICH ARE COMPATIBLE WITH OTHER PRODUCTS OF THE ELECTRICAL WORK AND WITH OTHER WORK REQUIRING INTERFACE WITH THE ELECTRICAL WORK, INCLUDING ELECTRICAL CONNECTIONS AND CONTROL DEVICES. FOR EXPOSED ELECTRICAL WORK, COORDINATE COLORS AND FINISHES WITH OTHER WORK.
1.08 SUBMITTALS
A. FURNISH THE ENGINEER WITH COMPLETE SHOP DRAWINGS AND ASSOCIATED DATA IN ACCORDANCE WITH GENERAL CONDITIONS, FOR ALL MAJOR ELEMENTS OF THE ELECTRICAL WORK FOR REVIEW, CHECKING AND APPROVAL. NONE OF THE FOLLOWING EQUIPMENT SHALL BE FABRICATED, DELIVERED, ERECTED OR CONNECTED OTHER THAN FROM DRAWINGS OFFICIALLY APPROVED BY THE ENGINEER. COORDINATE WITH SUBCONTRACTORS FOR HVAC AND PLUMBING WORK.
1. LIGHTING FIXTURES, LAMP AND BALLASTS, POLES, AND RELATED EQUIPMENT AND DEVICES.
2. GEAR, WIRING, AND FITTINGS.
B. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND PRESENT FIVE (5) COPIES OF SHOP DRAWINGS OR BROCHURES FOR ALL FIXTURES, EQUIPMENT, AND ACCESSORIES TO THE ENGINEER FOR THE ENGINEER'S APPROVAL. NO EQUIPMENT SHALL BE ORDERED, PURCHASED, OR INSTALLED PRIOR TO APPROVAL OF THE SHOP DRAWINGS, BROCHURES, AND SCHEDULES. CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR: DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE; FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES AND THE SATISFACTORY PERFORMANCE OF HIS WORK.
1.09 SUBSTITUTION OF MATERIALS
A. IN GENERAL, THE CONTRACT DRAWINGS AND SPECIFICATIONS SHOW AND DESCRIBE ARRANGEMENTS SUITABLE FOR THE SPECIFIC ITEMS OF EQUIPMENT EITHER NAMED OR DESCRIBED. IN THE EVENT THAT CONTRACTOR SUBMITS FOR APPROVAL, AND RECEIVES SUCH APPROVAL, FOR A DEVICE OR PIECE OF EQUIPMENT WHICH REQUIRES CONNECTIONS OR ARRANGEMENTS OF THESE SERVICES DIFFERING FROM THOSE INDICATED OR DESCRIBED IN THE CONTRACT DOCUMENTS, CONTRACTOR SHALL GIVE TIMELY NOTICE AND SHALL MAKE SUITABLE ALTERATIONS IN THE WORK TO ACCOMMODATE THE SUBSTITUTE EQUIPMENT, AND HE SHALL BE RESPONSIBLE FOR ANY AND ALL ADDITIONAL COSTS INCURRED BY VIRTUE OF THE SUBSTITUTION OF SUCH EQUIPMENT FOR THE EQUIPMENT NAMED OR DESCRIBED IN THE CONTRACT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT EVERY ASPECT OF THE THE SUBSTITUTION IS FULLY COMPATIBLE WITH THE DESIGN INTENT.
B. THE NAMING OF A CERTAIN BRAND OR MAKE OR MANUFACTURER IN THE SPECIFICATIONS IS TO ESTABLISH A QUALITY STANDARD FOR THE ARTICLE DESIRED. THE CONTRACTOR IS NOT RESTRICTED TO THE USE OF THE SPECIFIC BRAND OF THE MANUFACTURER NAMED UNLESS SO INDICATED IN THE SPECIFICATIONS. HOWEVER WHERE A SUBSTITUTION IS REQUESTED, A SUBSTITUTION WILL BE PERMITTED ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER. REQUEST FOR SUCH SUBSTITUTIONS SHALL BE SUBMITTED IN TRIPPLICATE TO THE ENGINEER AT LEAST FIVE WORKING DAYS PRIOR TO THE BID OPENING DATE. SUCH REQUESTS SHALL BE ACCOMPANIED BY MANUFACTURER'S DATA SHEETS AND OTHER INFORMATION THAT, IN THE OPINION OF THE ENGINEER, IS NECESSARY FOR REVIEW. NO SUBSTITUTE MATERIAL OR EQUIPMENT SHALL BE ORDERED, FABRICATED, SHIPPED OR PROCESSED IN ANY MANNER PRIOR TO THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ADDITIONAL EXPENSES AS REQUIRED IN ANY WAY TO MEET CHANGES FROM THE ORIGINAL MATERIAL OR EQUIPMENT SPECIFIED.
1.10 TEMPORARY POWER AND LIGHTING
A. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ARRANGEMENTS AND COSTS FOR PROVIDING TEMPORARY POWER AND LIGHTING AS NECESSARY FOR CONSTRUCTION PURPOSES.
B. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A MINIMUM OF ONE OSHA APPROVED PIGTAIL SOCKET WITH 150-WATT LAMP FOR EVERY 500 SQUARE FEET OF FLOOR SPACE. EVENLY DISTRIBUTED THROUGHOUT THE BUILDING. TEMPORARY LIGHTING SHOULD PROVIDE A MINIMUM OF 5 FOOT CANDLES AND ADEQUATE WORKING CONDITIONS THROUGHOUT THE PROJECT.
C. ANY LIGHT OR POWER OUTLET REQUIRED OVER THE MAXIMUM QUANTITY NOTED ABOVE SHALL BE PAID FOR BY THE CONTRACTOR REQUIRING THE SAME. POWER CONSUMPTION SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.
1.11 ELECTRICAL DRAWINGS
A. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERALLY THE LOCATIONS OF MATERIAL AND EQUIPMENT. THESE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE WORK UNDER THIS SECTION WITH THE PLUMBING AND THE DRAWINGS OF OTHER TRADES FOR EXACT DIMENSIONS, CLEARANCES AND ROUGHING-IN LOCATIONS. THIS CONTRACTOR SHALL COOPERATE WITH ALL OTHER TRADES IN ORDER TO MAKE MINOR FIELD ADJUSTMENTS TO ACCOMMODATE THE WORK OF OTHERS. DO NOT RELY ON THE SCALE OF THE DRAWINGS FOR ROUGH-IN MEASUREMENTS, NOR USE THEM AS SHOP DRAWINGS.
B. THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, EACH TO THE OTHER, AND THE WORK REQUIRED BY EITHER SHALL BE INCLUDED IN THE CONTRACT AS IF CALLED FOR BY BOTH.
C. IF DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES FOR PROPER EXECUTION OF THE WORK.
D. ELECTRICAL SYMBOLS USED ON THIS PROJECT ARE SHOWN IN A SYMBOL LIST ON TIME ACCOMPANYING WORKING DRAWINGS. THIS LIST SHOWS STANDARD SYMBOLS AND ALL MAY NOT APPEAR ON THE PROJECT DRAWINGS. HOWEVER, WHEREVER THE SYMBOL ON PROJECT DRAWINGS OCCURS, THE ITEM SHALL BE PROVIDED AND INSTALLED.
E. COORDINATION DRAWINGS: FOR LOCATIONS WHERE SEVERAL ELEMENTS OF ELECTRICAL EQUIPMENT AND IN THE ONE LINE DIAGRAM FOR ELECTRICAL DISTRIBUTION, UNLESS OTHERWISE NOTED ALL OTHER CIRCUITS SHALL BE 1/2" CONDUIT WITH 2:12 CU. THWN.
F. THE DRAWINGS ARE INDICATIVE OF THE WORK TO BE INSTALLED, BUT DO NOT SHOW ALL BENDS, FITTINGS, BOXES AND SPECIALTIES REQUIRED TO COMPLETE THE INSTALLATION.
G. ALL CONDUITS, WIRES, OUTLET BOXES AND FIXTURES SHALL BE INCLUDED IN THE WORK.
H. THE ELECTRICAL CONTRACTOR SHALL NOTE THAT ALL ITEMS OF EQUIPMENT ARE SPECIFIED IN THE SINGULAR. HOWEVER, THE CONTRACTOR SHALL PROVIDE AND INSTALL THE NUMBER OF ITEMS EQUIPMENT AS INDICATED ON THE DRAWINGS AND AS REQUIRED FOR COMPLETE SYSTEMS.
I. WHERE IT IS STATED THAT THE CONTRACTOR SHALL "PROVIDE" A DEVICE OR PIECE OF EQUIPMENT, IT SHALL MEAN THAT SUCH DEVICES OR EQUIPMENTS ARE FURNISHED AND INSTALLED.
1.12 COORDINATION
A. GENERAL: REFER TO THE RELEVANT SECTIONS FOR GENERAL COORDINATION REQUIREMENTS APPLICABLE TO THE ENTIRE WORK. IT IS RECOGNIZED THAT THE CONTRACT DOCUMENTS ARE DIAGRAMMATIC IN SHOWING CERTAIN PHYSICAL RELATIONSHIPS WHICH MUST BE ESTABLISHED WITHIN THE ELECTRICAL WORK, AND IN ITS INTERFACE WITH OTHER WORK INCLUDING UTILITIES AND MECHANICAL WORK, AND THAT SUCH ESTABLISHMENT IS THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. INSTALL THE WIRING AND EQUIPMENT AT SUCH TIMES AND IN SUCH MANNER AS WILL IN NO WAY RETARD PROGRESS OR COMPLETION OF THE PROJECT. ARRANGE ELECTRICAL WORK IN A NEAT, WELL ORGANIZED MANNER WITH CONDUIT AND SIMILAR SERVICES RUNNING PARALLEL.
B. THE LAYOUT OF WIRING ON THE SMALL SCALE DRAWINGS SHALL NOT BE ABSOLUTE. THE DESIGN SHALL BE SUBJECT TO SUCH REVISIONS AS MAY BE NECESSARY TO OVERCOME OBSTRUCTIONS. NO CHANGES SHALL BE MADE IN LIGHT FIXTURE LOCATIONS WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
C. EXAMINE THE DRAWINGS AND DETAILS FOR THE PLACEMENT OF ALL EQUIPMENT AND DEVICES OUTLETS TO PROPERLY COORDINATE THEM WITH RELATION TO CABINETS, TABLES, BENCHES, STRUCTURAL PANELS, TRIMS, MOLDINGS, ETC. EXAMINE ALL OTHER SHOP DRAWINGS, CATALOG CUTS, ETC., FOR SPECIAL APPARATUS WHICH MAY BE ROUGHED IN AND TO WHICH CONNECTIONS MUST BE MADE. OUTLETS, APPARATUS AND CONNECTIONS THERETO WHICH ARE IMPROPERLY LOCATED THROUGH FAILURE TO FOLLOW THE ABOVE INSTRUCTIONS, SHALL BE SUBJECT TO CORRECTION AND/OR RELOCATION WITHOUT EXTRA CHARGE TO THE OWNER.
D. COORDINATION DRAWINGS: FOR LOCATIONS WHERE SEVERAL ELEMENTS OF ELECTRICAL EQUIPMENT ARE TO BE INSTALLED, THE CONTRACTOR SHALL COORDINATE THE WORK WITH PRECISION IN ORDER TO FIT INTO THE AVAILABLE SPACE. PREPARE COORDINATION DRAWINGS (SHOP DRAWINGS) SHOWING THE ACTUAL PHYSICAL DIMENSIONS AT ACCURATE SCALE REQUIRED FOR THE INSTALLATION. PREPARE AND SUBMIT COORDINATION DRAWINGS PRIOR TO PURCHASE-FABRICATION-COORDINATION.

1.13 EQUIPMENT IDENTIFICATION AND MARKING
A. IDENTIFICATION OF EQUIPMENT: ALL JUNCTION BOXES WITH BLANK COVERS SHALL HAVE CIRCUITS CONTAINED THEREIN IDENTIFIED BY MEANS OF PERMANENT BLACK "SHARPIE" ON THE COVER.
B. BRANCHES FOR LIGHTING WIRES SHALL BE TAGGED AND IDENTIFIED WITH STANDARD WIRE MARKERS IN ALL PANELS AND PULL BOXES. THE TAGGING SHOULD CONVEY THE CIRCUIT NUMBER AND THE EQUIPMENT IT SERVES I.E. - "PP1-7.9,11 AC-1" LIGHTING, RECEPTACLE, AND EQUIPMENT CIRCUITS NEED ONLY IDENTIFY THE CIRCUIT NUMBER.
1.14 SLEEVES, INSERTS, FASTENINGS, SUPPORTS, CUTTING AND PATCHING
A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL METALLIC SUPPORTS AS REQUIRED UNDER THIS DIVISION OF THE CONTRACT CONFORMING TO THE LATEST EDITION OF THE NEC.
B. CONDUIT SHALL BE SUPPORTED ON APPROVED TYPES OF WALL BRACKETS, CEILING TRAPEZES, STRAP HANGERS OR PIPE SUPPORTS. ALL FASTENINGS, SUPPORTS, CLAMPS AND ANCHORS, ETC., SHALL BE OF TYPE MADE FOR THE PURPOSE. FOR HOLLOW TILE, OR LATH CONSTRUCTION, TOGGLE OR MACHINE BOLT FASTENINGS SHALL BE USED. FOR STRUCTURAL IRON USE MACHINE SCREWS AND FOR SOLID MASONRY USE METALLIC EXPANSION SHIELDS AND MACHINE SCREWS. FOR WOOD OR MATERIALS OF SIMILAR FIBROUS NATURE LAG SCREWS OR BOLTS SHALL BE EMPLOYED. SCREWS WITH WOODEN PLUGS OR ANCHORS WILL NOT BE ACCEPTED ON ANY OF THE WORK. STUDS AND FASTENERS IMPLANTED IN SOLID MASONRY BY POWER ACTUATED DEVICES WILL BE ACCEPTABLE IF PRECAUTIONS ARE TAKEN TO PREVENT SPAWLING. THE USE OF INSULATED WIRE SHALL NOT BE ACCEPTABLE AS AN ATTACHING MEANS FOR CONDUIT OR OTHER EQUIPMENT.
C. CONDUIT SHALL BE SECURELY FASTENED TO ALL SHEET METAL OUTLETS, JUNCTION AND PULL BOXES WITH TWO GALVANIZED LOCKNUTS AND BUSHING, CARE BEING TAKEN TO SEE THAT THE FULL NUMBER OF THREADS PROJECT THROUGH TO PERMIT THE BUSHING TO BE DRAWN TIGHT AGAINST THE END OF THE CONDUIT, AFTER WHICH THE LOCKNUTS SHALL BE MADE TIGHT SUFFICIENTLY TO DRAW THEM INTO FIRM ELECTRICAL CONTACT WITH THE OUTLET BOX. INSTALL A PLASTIC BUSHING ON END OF CONDUITS STUBBED INTO CEILING SPACES TO PROTECT CABLING.
D. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUPPORTS REQUIRED FOR THE ELECTRICAL EQUIPMENT AND CONDUITS.
E. OBTAIN THE APPROVAL OF THE ENGINEER BEFORE NOTCHING, BORING, CHIPPING, BURNING, DRILLING, WELDING TO STRUCTURAL MEMBERS.
F. FURNISH AND INSTALL ALL SLEEVES WHICH ARE REQUIRED TO PROTECT EQUIPMENT OR WHICH MAY BE NECESSARY TO FACILITATE ITS INSTALLATION. SLEEVES USED IN CONJUNCTION WITH FORMED CONCRETE SHALL BE LOCATED WHERE REQUIRED AND APPROVED BY THE ENGINEER. PROVIDE "FLAMESEAL" OR OTHER APPROVED FIRE STOPPING MATERIAL AT ALL PENETRATIONS THROUGH RATED WALLS, FLOORS AND CEILINGS.
G. ALL CONDUIT AND OUTLET INSTALLATIONS AND CUTTING OF ANY KIND MUST BE DONE WITH GREAT CARE SO AS NOT TO LEAVE UNSIGHTLY SURFACES WHICH MAY NOT BE ENTIRELY CONCEALED BY PLATES, ESCUTCHEONS OR OTHER NORMAL CONCEALING CONSTRUCTION. IF UNSIGHTLY CONDITIONS OCCUR, CONTRACTOR WILL BE REQUIRED, AT HIS OWN EXPENSE, TO REPLACE THE DAMAGED CONSTRUCTION.
1.15 SCAFFOLDING: FURNISH AND ERECT ALL SCAFFOLDING, LADDERS, ETC., REQUIRED IN THE INSTALLATION OF WIRING, EQUIPMENT AND FIXTURES.
1.16 TESTING, ADJUSTING AND CLEANING
A. AS SOON AS ELECTRIC POWER IS AVAILABLE AND CONNECTED TO SERVE THE EQUIPMENT IN THE BUILDING, AND EVERYTHING IS READY FOR FINAL TESTING AND PLACING IN SERVICE, A COMPLETE OPERATIONAL TEST SHALL BE MADE IN THE PRESENCE OF THE ENGINEER. THE CONTRACTOR SHALL FURNISH ALL NECESSARY INSTRUMENTS AND EQUIPMENT AND MAKE ALL TESTS, ADJUSTMENTS, AND TRIAL OPERATIONS REQUIRED TO PLACE THE SYSTEM IN BALANCED AND SATISFACTORY OPERATING CONDITION AND HE SHALL PAY ALL PROFESSIONAL ENGINEERING FEES REQUIRED IN SUCH TESTING. DATA ON ALL TESTS SHALL BE SUBMITTED TO THE ENGINEER. FURNISH ALL NECESSARY ASSISTANCE AND INSTRUCTIONS TO PROPERLY INSTRUCT THE OWNER'S AUTHORIZED PERSONNEL IN THE OPERATION AND CARE OF THE SYSTEM.
B. PRIOR TO TESTING THE SYSTEM, THE FEEDERS AND BRANCH CIRCUITS SHALL BE CONTINUOUS FROM MAIN FEEDERS TO MAIN PANELS, TO SUBPANELS, TO OUTLETS, WITH ALL BREAKERS AND FUSES IN PLACE. THE SYSTEM SHALL BE TESTED FREE FROM SHORTS AND GROUNDS.
C. NO CIRCUITS SHALL BE ENERGIZED WITHOUT THE OWNER'S APPROVAL.
D. THE RIGHT IS RESERVED TO INSPECT AND TEST ANY PORTION OF THE EQUIPMENT AND/OR MATERIALS DURING THE PROGRESS OF ITS ERECTION. THE CONTRACTOR SHALL FURTHER TEST ALL WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDS BEFORE CONNECTING ANY FURTHER CIRCUIT OR ELEMENT.
E. THE CONTRACTOR SHALL TEST THE ENTIRE SYSTEM IN THE PRESENCE OF THE ENGINEER WHEN THE SYSTEM IS FINALLY COMPLETED TO ENSURE THAT ALL PORTIONS ARE FREE FROM SHORT CIRCUITS OR GROUND FAULTS.
F. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH CERTIFICATION OF THE INSPECTION AND APPROVAL OF AN ACTIVE MEMBER OF THE INTERNATIONAL ASSOCIATION OF ELECTRICAL INSPECTORS OF ALL WORK COMPLETED AND INCLUDED IN THE SECTION, IF REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE INSPECTOR WHEN WORK REACHES INSPECTION STAGE.
G. THE ELECTRICAL CONTRACTOR SHALL PAY FOR ALL PERMITS, INSPECTION FEES, AND INSTALLATION FEES AS REQUIRED TO COMPLETE THE WORK UNDER THIS SECTION OF THE CONTRACT.
H. THIS CONTRACTOR SHALL GUARANTEE THE MATERIALS AND WORKMANSHIP FOR A PERIOD OF TWELVE (12) MONTHS FROM THE TIME THE INSTALLATION IS ACCEPTED BY THE OWNER. IF DURING THIS TIME ANY DEFECTS SHOULD SHOW UP DUE TO ANY DEFECTIVE MATERIALS, WORKMANSHIP, NEGLIGENCE OR WANT OF PROPER CARE ON THE PART OF THIS CONTRACTOR, HE SHALL FURNISH ANY NEW MATERIALS AS NECESSARY, REPAIR SAID DEFECTS, AND PUT THE SYSTEM IN ORDER AT HIS OWN EXPENSE ON RECEIPT OF NOTICE OF SUCH DEFECTS FROM THE ENGINEER. THIS SPECIFICATION IS NOT INTENDED TO IMPLY THAT THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR NEGLIGENCE OF THE OWNER.
I. UPON COMPLETION OF THE WORK, ALL COMPONENT PARTS, BOTH SINGULARLY AND AS A WHOLE, SHALL BE SUBJECT TO INSPECTION AND TESTING BY THE ENGINEER. THE INSPECTION SHALL INCLUDE LIGHTING FIXTURES, ENCLOSURES, PANELBOARDS, ETC., SHALL BE CLEANED, DUSTED OR WASHED AND ADJUSTED TO THE SATISFACTION OF THE ENGINEER.
1.17 AS-BUILT DRAWINGS
A. CONTRACTOR SHALL KEEP AN ACCURATE RECORD OF ALL DEVIATIONS FROM CONTRACT DRAWINGS AND SPECIFICATIONS. HE SHALL NEATLY AND CORRECTLY ENTER IN COLORED INK OR PENCIL ANY DEVIATIONS ON DRAWINGS AFFECTED, AND SHALL KEEP DRAWINGS AVAILABLE FOR INSPECTION.
B. AT THE COMPLETION OF THE JOB, AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER TWO COMPLETE SETS OF ELECTRICAL PRINTS MARKED TO SHOW THE LOCATION OF ALL MODIFICATIONS TO THE ORIGINAL DRAWINGS. THE SETS SHALL INCLUDE ALL MAJOR ELECTRICAL DEVICES, INCLUDING ALL MAJOR RUNS OF CONDUIT, THE CIRCUITING OF EACH FIXTURE, ETC., SHALL BE SHOWN. CERTIFY TO THE ACCURACY OF EACH PRINT BY SIGNATURE AND DATE THEREON, AND DELIVER SAME TO ENGINEER. DRAWINGS SHALL BE REPRODUCIBLES.
1.18 OPERATION AND MAINTENANCE MANUALS
A. CONTRACTOR SHALL PREPARE, ASSEMBLE AND SUBMIT THREE (3) COPIES OF AN OPERATION AND MAINTENANCE MANUAL FOR THE ELECTRICAL SYSTEM AS INSTALLED.
B. OPERATION AND MAINTENANCE MANUALS SHALL BE TYPED AND BOUND IN A HARD COVER, THREE RING BINDER OR EQUIVALENT PROTECTION, AND SHALL CONTAIN AS A MINIMUM THE FOLLOWING:
1. SHOP DRAWINGS OR CATALOG PRODUCT LITERATURE OF ALL MATERIAL LISTED IN PARAGRAPH 1.08 SUBMITTALS.
2. MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT.
3. TABLE OF LIGHT FIXTURES LISTING MANUFACTURE AND MODEL NUMBER, LAMP TYPE, MANUFACTURE AND MODEL NUMBER, BALLAST TYPE, MANUFACTURE AND MODEL NUMBER.
4. A LIST OF CONTACTS WITH PHONE NUMBERS FOR ALL SYSTEMS FOR OWNERS' USE, IN THE EVENT THE ELECTRICAL SYSTEM REQUIRES SERVICE WORK WITHIN THE WARRANTY PERIOD.
5. COPY OF CERTIFICATE OF ACCEPTANCE FROM THE ELECTRICAL INSPECTOR AND ANY OTHER APPLICABLE AUTHORITIES.
6. COPY OF WARRANTY LETTER FROM ELECTRICAL CONTRACTOR AND APPROPRIATE SUB-CONTRACTORS.
1.19 INTERPRETATION OF DOCUMENTS
A. IF ANY PERSON CONTEMPLATING SUBMITTING A BID FOR THE PROPOSED CONTRACT IS IN DOUBT AS TO THE MEANING OF ANY PART OF THE DRAWINGS OR PROJECT MANUAL OR SHOULD THE CONSTRUCTION MANAGER DISCOVER AMBIGUITIES, DISCREPANCIES, INCONSISTENCIES OR CONFLICTS HEREIN, HE SHALL SUBMIT TO THE CM AND/OR ENGINEER A WRITTEN REQUEST FOR INTERPRETATION NOT LATER THAN (5) CALENDAR DAYS PRECEDING THE BID DATE. THE PERSON SUBMITTING THIS REQUEST WILL BE RESPONSIBLE FOR ITS PROMPT DELIVERY.
1. IN THE EVENT THE CONTRACTOR FAILS TO NOTIFY THE CM OR THE ENGINEER OF ANY AMBIGUITIES, DISCREPANCIES OR INCONSISTENCIES WHICH MAY SUBSEQUENTLY BE GIVEN BY THE ENGINEER, THIS EXPENSIVE WAY OF SUBSEQUENT INFORMATION MAY BE THE MOST EXPENSIVE METHOD OF DOING THE WORK.
B. THE COMBINED METHOD OF PRESENTATION OF THE PROPOSED DOCUMENTS WILL BE MADE ONLY BY ADDENDUM DULY ISSUED AND A COPY OF SUCH ADDENDUM WILL BE MAILED OR DELIVERED TO EACH PERSON RECEIVING A SET OF SUCH DOCUMENTS. SUCH ADDENDA SHALL BECOME A PART OF THE CONTRACT DOCUMENTS. THE OWNER OR ENGINEER WILL NOT BE RESPONSIBLE FOR ANY OTHER EXPLANATIONS OR INTERPRETATIONS OF THE PROPOSED DOCUMENTS.
END OF SECTION 260100



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FRUITA CIVIC CENTER - OFFICE REMODEL

FRUITA, COLORADO

SPECIFICATIONS

NO: ISSUED FOR: DATE:



PROJECT STATUS:
CONSTRUCTION DOCUMENTS

DATE:

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