

# Kitchen Renovation For

# CITY OF AZTEC

# Senior Citizen Center

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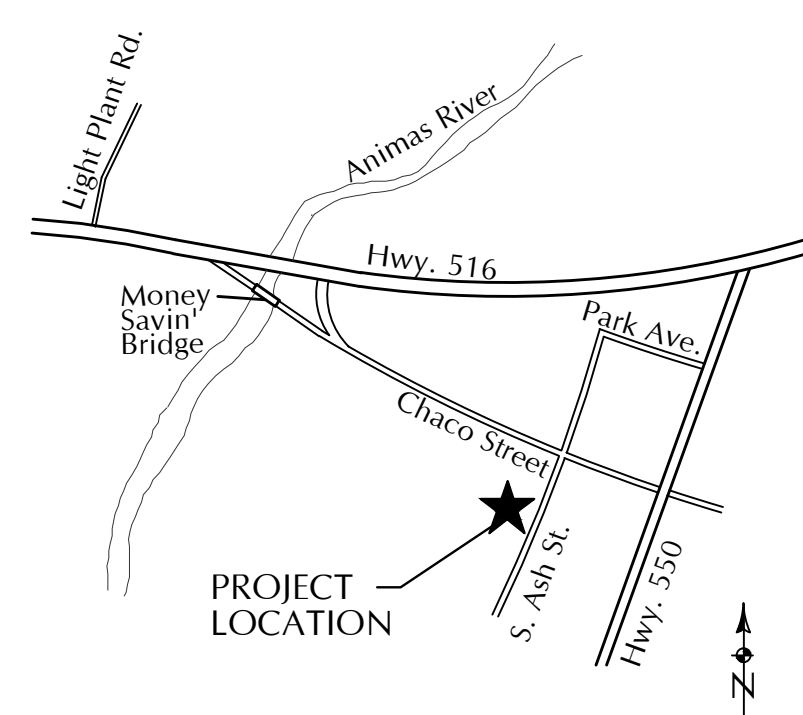


**RODAHL & HUMMELL ARCHITECTURE, P.C.**

609 NORTH DUSTIN  
FARMINGTON, N.M.

(505)326-6442 (PHONE)

### VICINITY MAP



### PROJECT CONSULTANTS

#### ELECTRICAL ENGINEER

VELARDE ENGINEERING, INC.  
7008 VISTA DEL ARROYO N.E.  
ALBUQUERQUE, NM 87109  
505.720.6016

#### MECHANICAL ENGINEER

WALKER CONSULTING ENGINEERS  
1173 LAUREL LOOP, NE  
ALBUQUERQUE, NM 87122

### PROJECT DATA

#### APPLICABLE CODES:

2015 INTERNATIONAL BUILDING CODE  
2012 UNIFORM MECHANICAL CODE  
2014 NATIONAL ELECTRICAL CODE  
2009 INTERNATIONAL FIRE CODE  
2012 UNIFORM PLUMBING CODE  
CABO/ANSI A 117.1-2009  
2015 NEW MEXICO COMMERCIAL BUILDING CODE  
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN  
2015 INTERNATIONAL EXISTING BUILDING CODE  
2009 INTERNATIONAL ENERGY CONSERVATION CODE

OCCUPANCY TYPE (PER SECTION 302): A3/B

CONSTRUCTION TYPE (PER TABLE 601): V-B

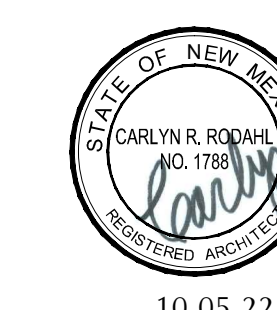
BUILDING AREA: 12,326 S.F.

#### OCCUPANT LOAD:

THE BUILDING OCCUPANT LOAD WILL BE REDUCED BY  
CONVERTING ASSEMBLY SPACE(A3) INTO KITCHEN(B).  
ASSEMBLY AT 15s.f./PERSON & KITCHEN AT 200s.f./PERSON.  
REDUCE TOTAL OCCUPANT LOAD BY 35 PERSONS

PROPERTY OWNER: CITY OF AZTEC

PROPERTY ADDRESS: 101 SOUTH PARK AVE.  
AZTEC, NM 87410



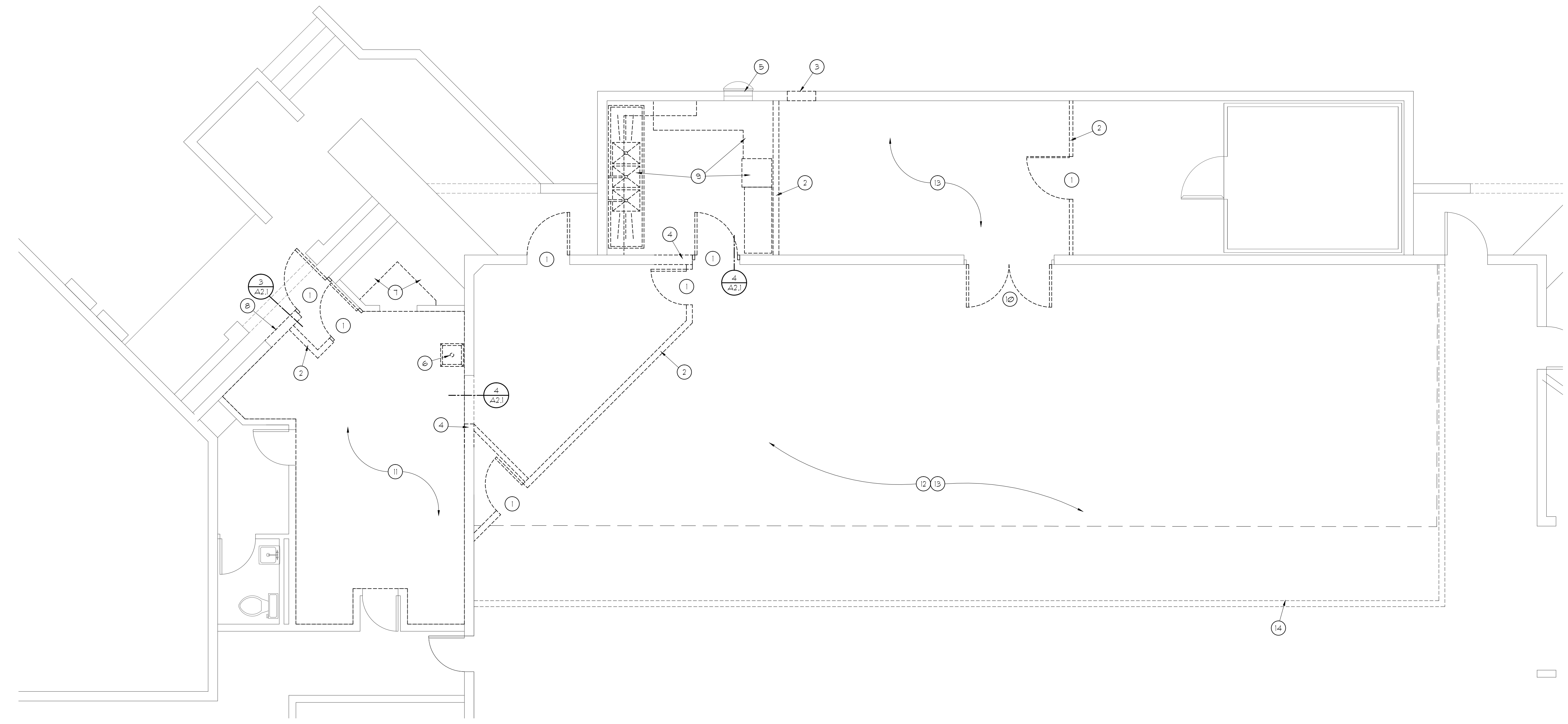
DATE:  
October 5, 2022

PROJ. No. 220310

10.05.22

**DEMOLITION PLAN  
KEYED NOTES**

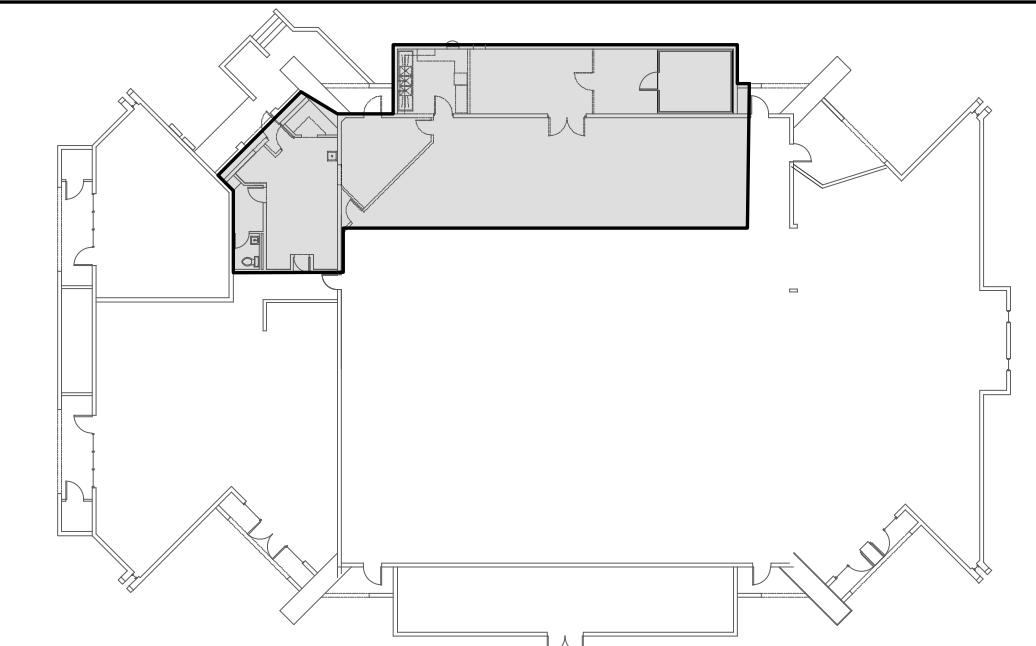
- ① REMOVE EXISTING DOOR & FRAME COMPLETELY
- ② REMOVE EXISTING FRAME PARTITION COMPLETELY
- ③ REMOVE PORTION OF EXISTING EXTERIOR CMU WALL TO ALLOW FOR INSTALLATION OF NEW WINDOW. SEE DETAIL XXX/XX FOR NEW LINTEL
- ④ REMOVE PORTION OF EXISTING CMU WALL. SEE DETAIL XXX/XX FOR NEW LINTEL
- ⑤ EXISTING EXHAUST FAN TO REMAIN
- ⑥ REMOVE EXISTING SINK - CAP PLUMBING LINES
- ⑦ REMOVE EXISTING SHELVING COMPLETELY
- ⑧ REMOVE PORTION OF EXISTING EXTERIOR CMU WALL TO ALLOW FOR INSTALLATION OF DOOR/FRAME. SEE DETAIL XXX/XX FOR NEW LINTEL
- ⑨ REMOVE EXISTING DISHWASHER, 3 BAY SINK & DISHTABLES. SALVAGE DISHWASHER AND 3 BAY SINK FOR REUSE
- ⑩ REMOVE EXISTING DOORS COMPLETELY, FRAME TO REMAIN. FILL HINGE RECESS WITH BODY PUTTY, SAND SMOOTH AND PAINT.
- ⑪ REMOVE EXISTING CERAMIC TILE AND BASE COMPLETELY
- ⑫ REMOVE EXISTING CEILING SYSTEM COMPLETELY OR AS NEEDED FOR NEW CONSTRUCTION PIPING AND DUCTWORK
- ⑬ SEE PLUMBING PLAN FOR CONCRETE SLAB TO BE REMOVED FOR NEW PIPING.
- ⑭ PROVIDE TEMPORARY FRAME WALL WITH 6mil. PLASTIC SHEETING. SECURE TO CEILING GRID AS REQUIRED.



**DEMOLITION PLAN**  
SCALE: 1/4"=1'-0"



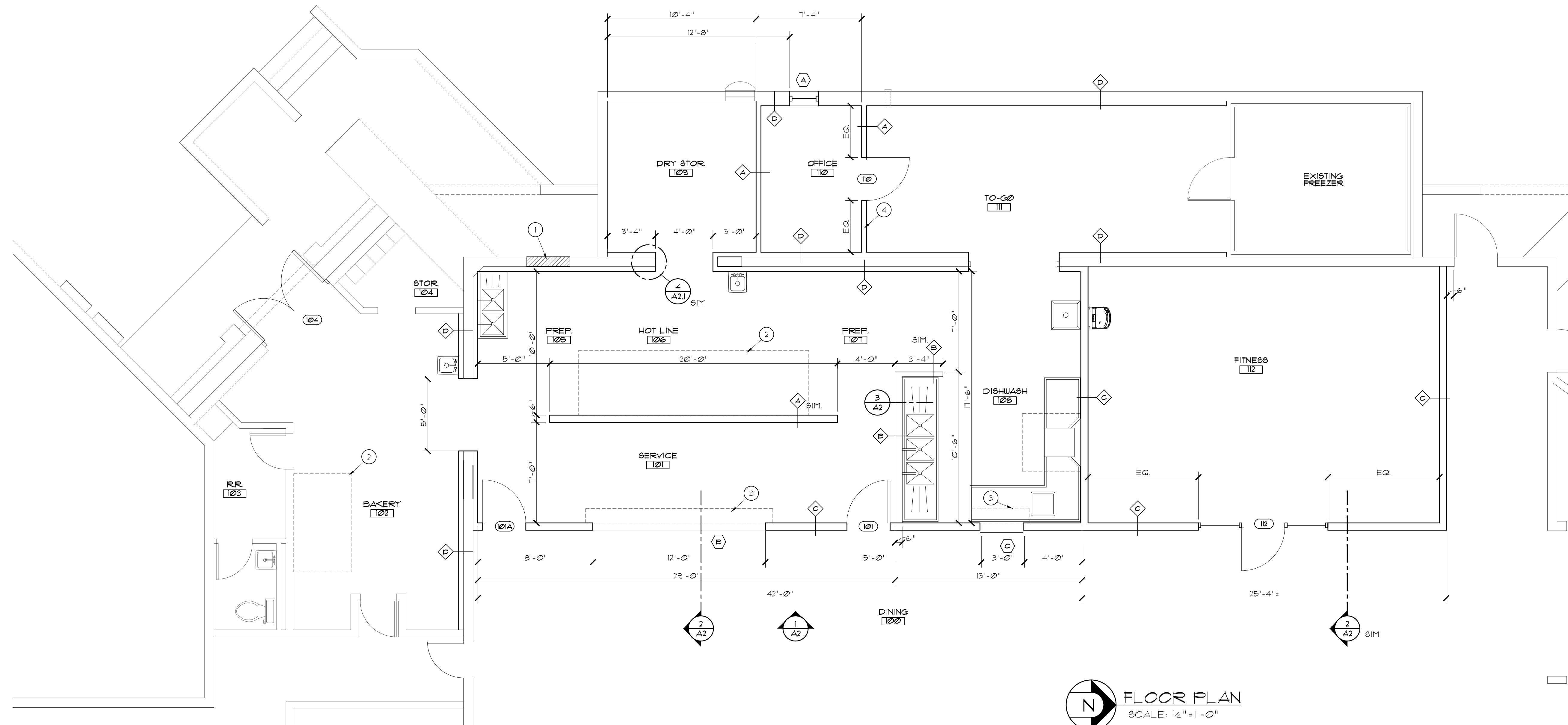
**KEYPLAN**



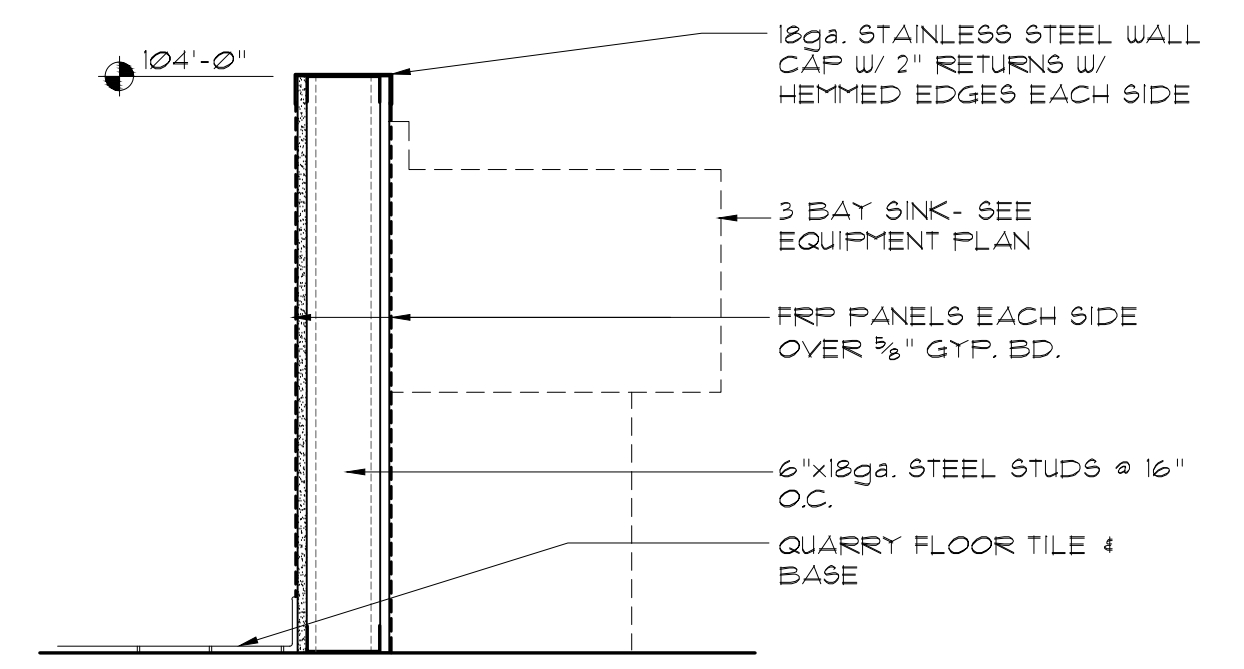
<b>RODAHL &amp; HUMMELL ARCHITECTURE, P.C.</b> 609 North Dustin Farmington, NM 87401 Phone: (505) 326-6442		Filename:
		Project: 220310
DEMOLITION PLAN		Sheet: <b>A1</b>
Drawn: BTW	Checked: CRR	Date: 10.05.22

**FLOOR PLAN KEYED NOTES**

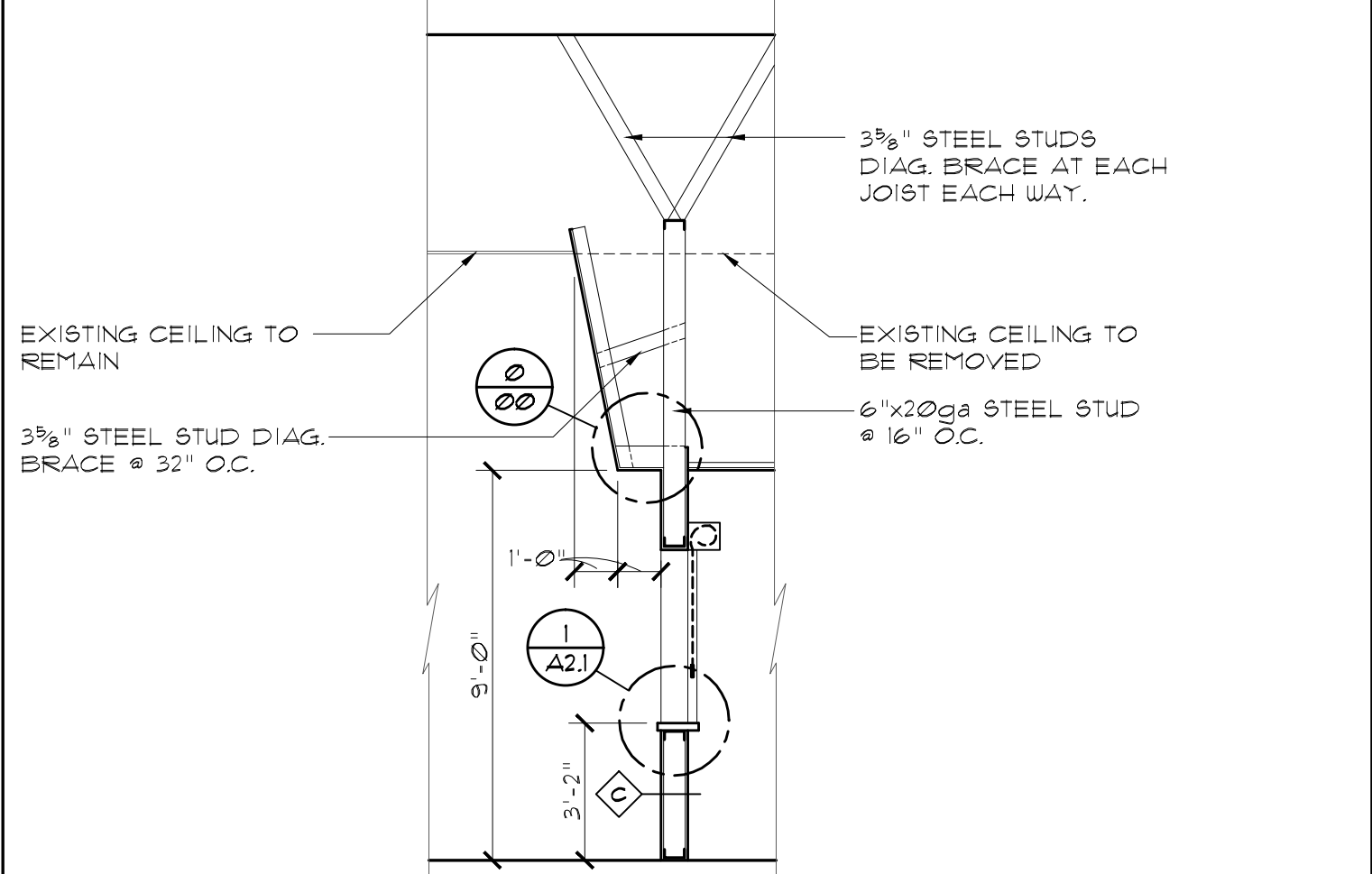
- 1 INFILL EXISTING DOOR OPENING IN EXTERIOR CMU WALL. PROVIDE STUCCO FINISH TO MATCH EXISTING, FROM CORNER TO CORNER OF WALL.
- 2 LINE OF EXHAUST HOOD ABOVE
- 3 LINE OF ROLLING COUNTER SHUTTER HEAD - SEE SCHEDULE/DETAILS
- 4 WALL TO EXTEND TO EXISTING CEILING HEIGHT



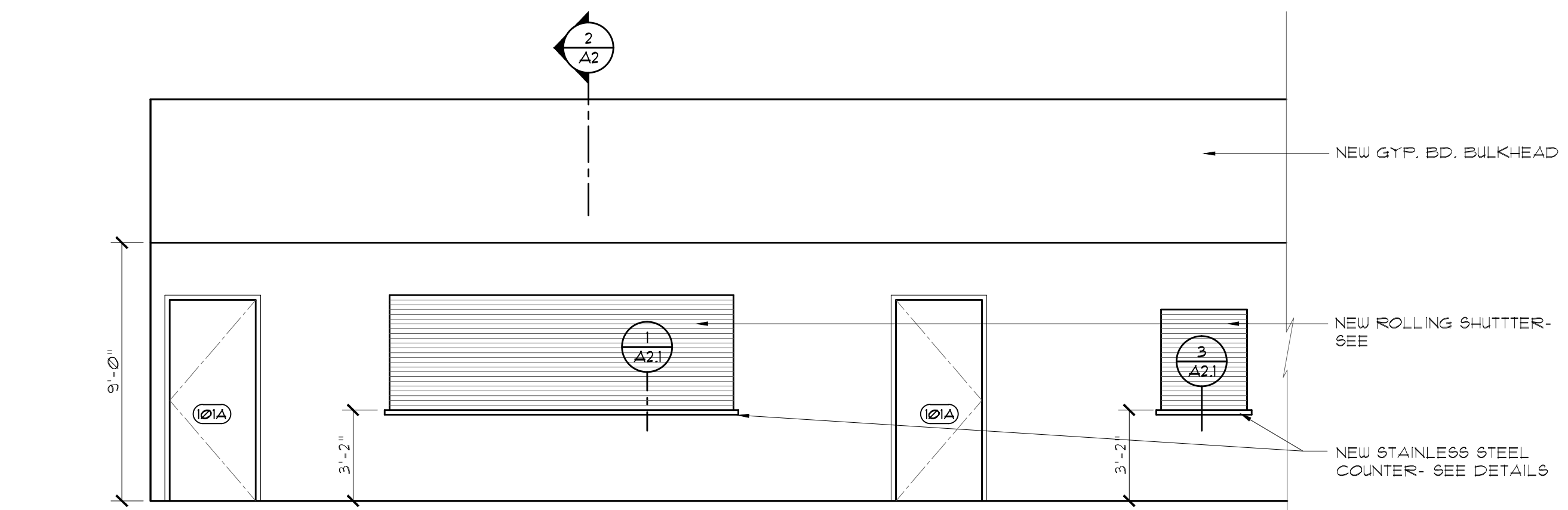
**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**3 A2 PONY WALL**  
SCALE: 3/4" = 1'-0"

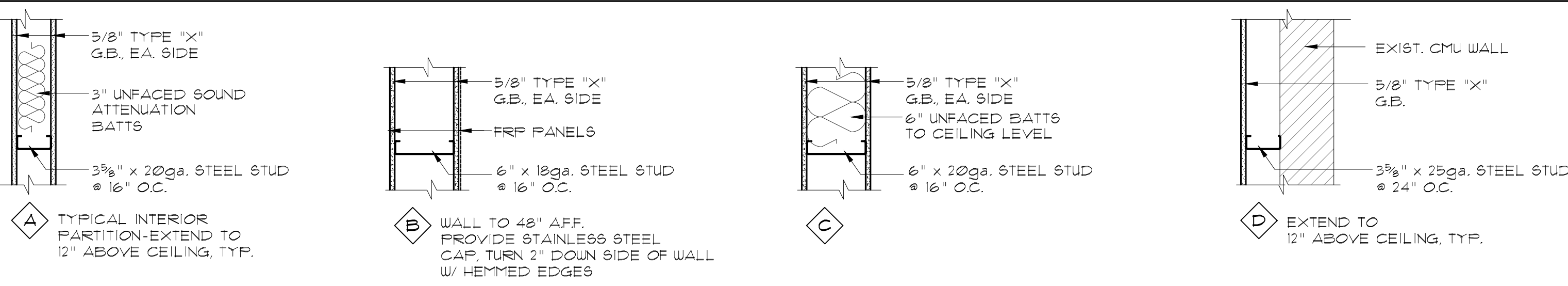


**2 A2 COUNTER SECTION**  
SCALE: 1/4" = 1'-0"

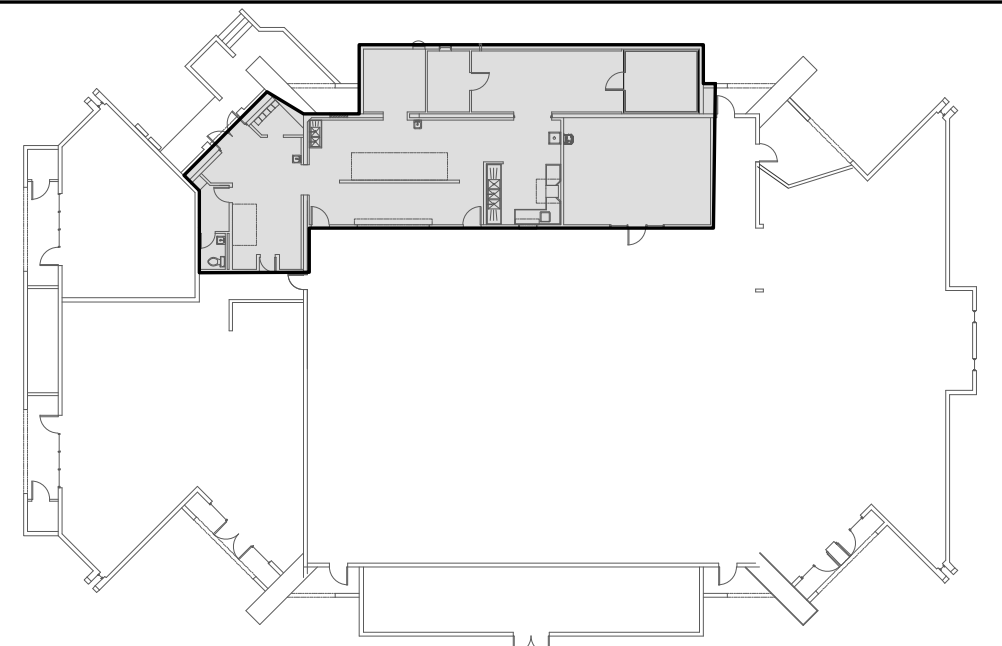


**1 A2 COUNTER ELEVATION**  
SCALE: 1/4" = 1'-0"

**WALL TYPES**



**KEYPLAN**



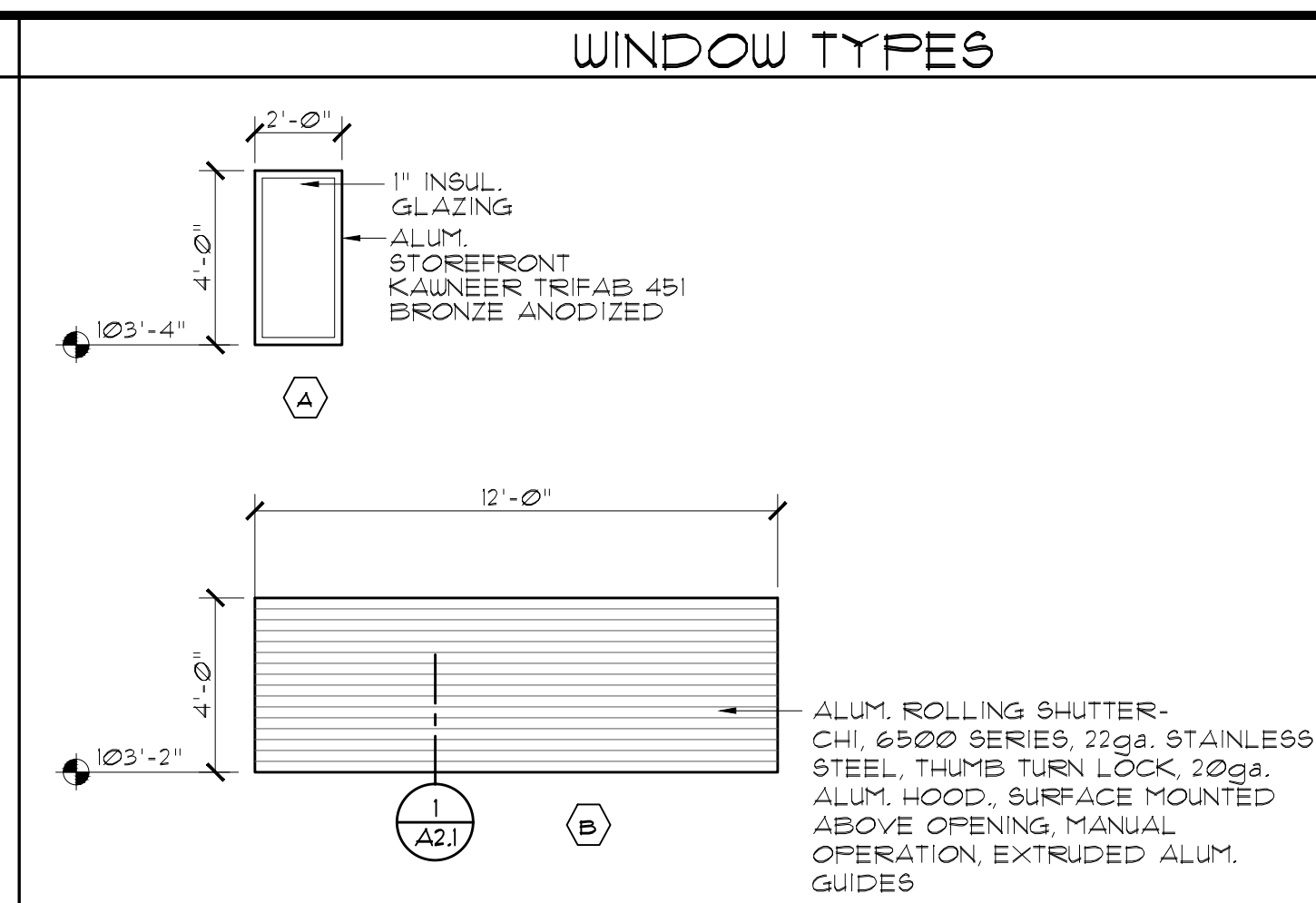
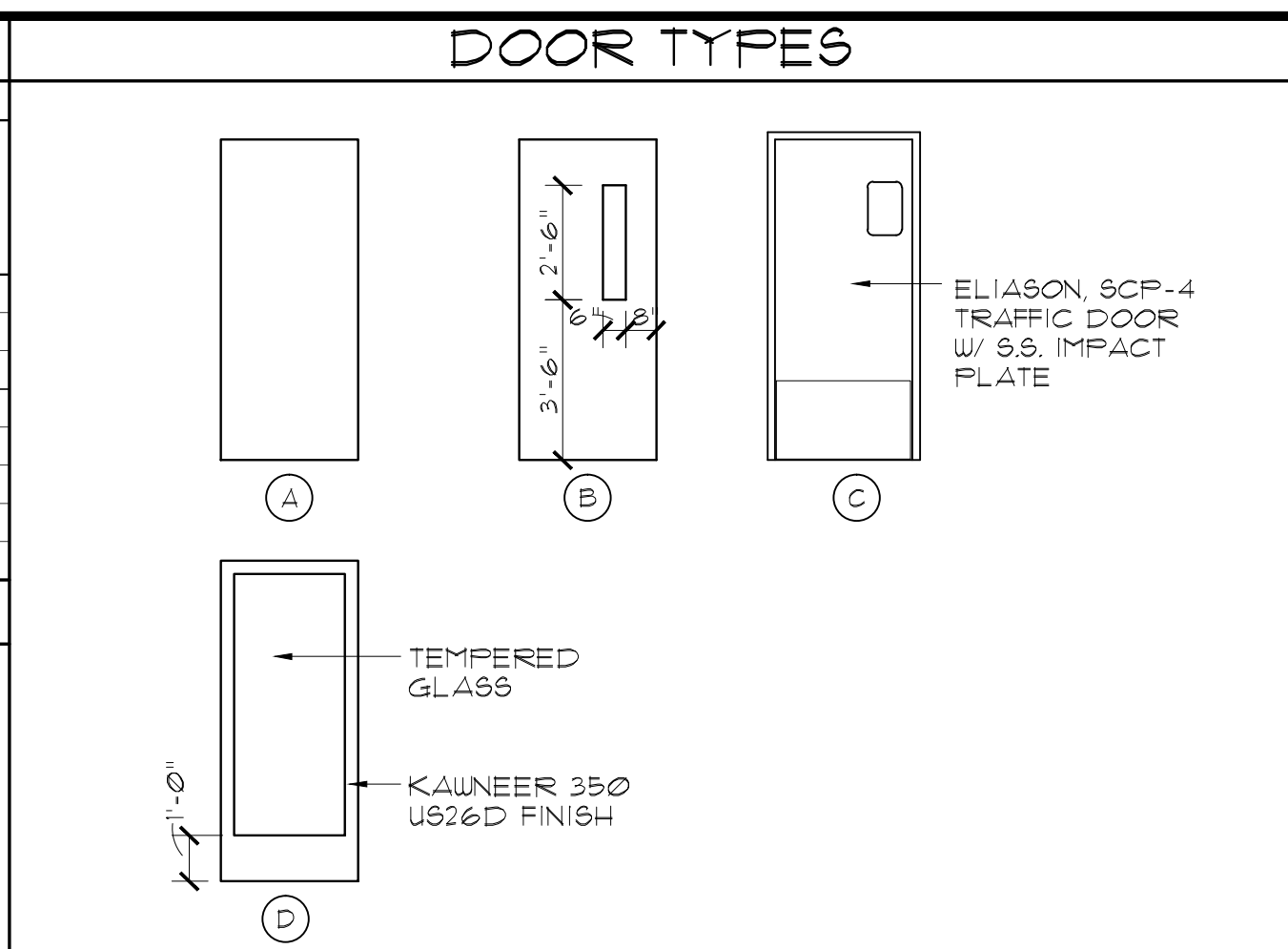
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**RODAHL & HUMMELL ARCHITECTURE, P.C.**  
609 North Dustin  
Farmington, NM 87401  
Phone: (505) 326-6442

<b>AZTEC SENIOR CENTER RENOVATION</b>		Filename:
AZTEC, NM		Project: 220310
FLOOR PLAN		Sheet: A2
Drawn: BTW	Checked: CRR	Date: 10.05.22

ROOM FINISH SCHEDULE						
RM #	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CEILING HEIGHT
100	DINING	F3	B3	--	--	--
101	SERVICE LINE	F1	B1	W1/W2/W3	C3	9'-0"
102	BAKERY	F1	B1	W1/W2	C3	9'-0"
103	RESTROOM	--	--	--	--	--
104	STORAGE	F3	B3	W4	--	--
105	PREP	F3	B1	W1/W2	C3	9'-0"
106	HOT LINE	F3	B1	--	C3	9'-0"
107	PREP	F3	B1	--	C3	9'-0"
108	DISHWASH	F3	B1	W1/W2	C3	9'-0"
109	DRY STORAGE	F2	B2	--	C1	8'-0"
110	OFFICE	F2	B2	--	C1	8'-0"
111	TO-GO	F2	B2	--	C1	8'-0"
112	FITNESS	F3	B3	W1	C1	10'-0"

DOOR SCHEDULE											
DOORS			FRAMES			MISC.			NOTES		
TYP	MAT	HT	TYP	MAT	HT	S	EDH	L	LA	EM	LB
101	C	SS	3'-0"	T	-0	-	HM	1 1/2	--	--	--
101A	C	SS	3'-0"	T	-0	-	HM	1 1/2	--	--	CAFE DOOR/FRAME
104	B	HM	(2) 3'-0"	T	-0	3	HM	6	1	1	CAFE DOOR/FRAME
110	A	WD	3'-0"	T	-0	1	HM	6	2	2	
112	D	AL	3'-0"	T	-0	2	AL	4 1/2	3	3	

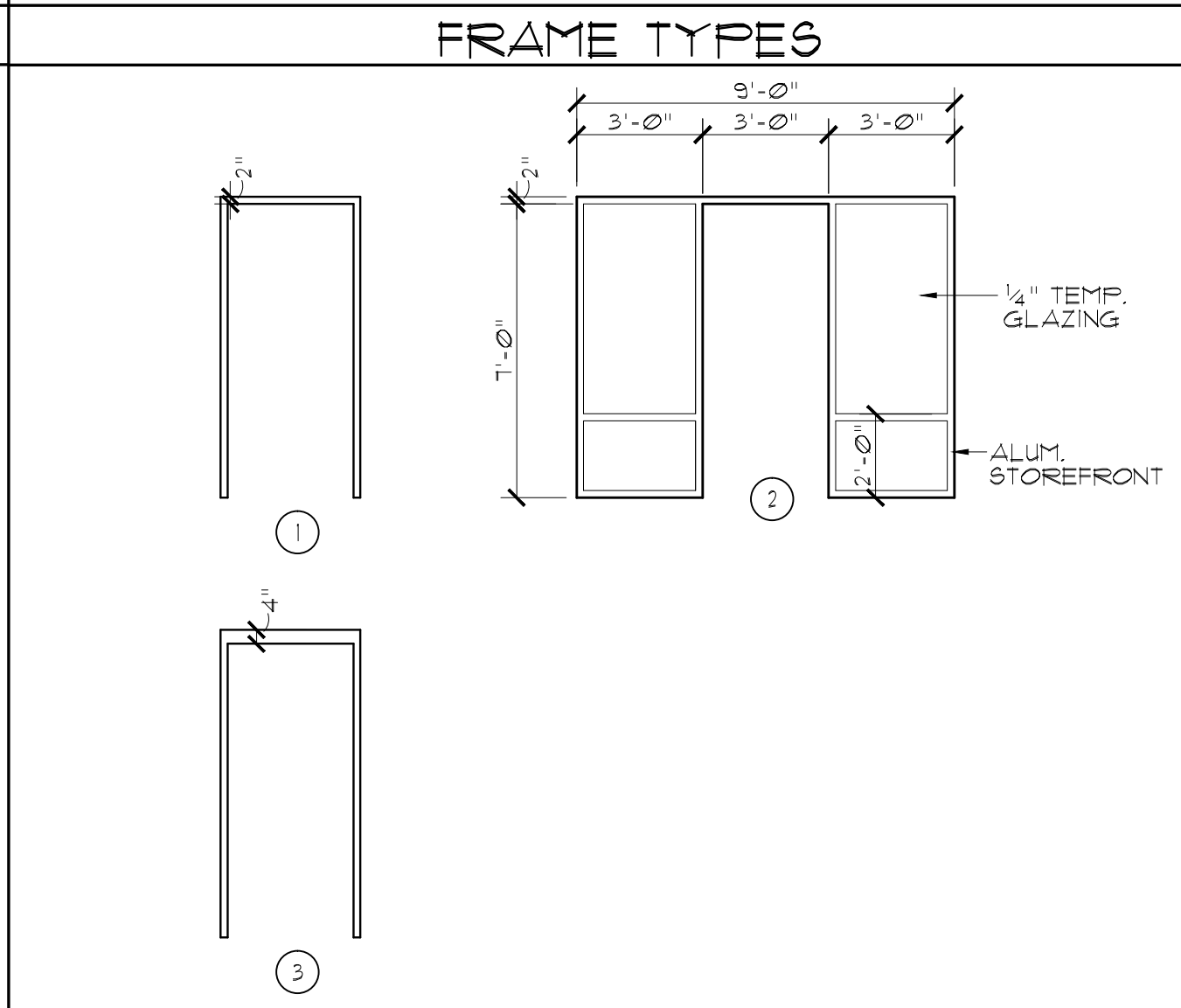


### NOTES

- ALL DOORS TO BE 1-3/4" THICK.
- INTERIOR WOOD DOORS TO BE MARSHFIELD, DFC, ROTARY CUT WHITE BIRCH, SAFFRON STAIN
- ALUMINUM STOREFRONT FRAMING TO BE KAWNEER 450 OR EQUAL
- EXTERIOR HOLLOW METAL DOORS TO BE FULLY INSULATED, CURRIES, T01 SERIES OR EQUAL.

### HARDWARE GROUPS

- 3 PAIR 4 1/2 x 4 1/2 BUTTS  
1 LEVER HANDLE ENTRANCE LOCKSET  
2 FLUSH BOLTS W/ STRIKE, TOP 4 BOTTOM  
1 THRESHOLD  
1 WEATHERSTRIP KIT  
2 DOOR SWEEPS  
1 CLOSER  
2 DOOR STOP, KICKDOWN
- 1 1/2 PAIR 4 1/2 x 4 1/2 BUTTS  
1 LEVER HANDLE OFFICE LOCKSET
- MFG. STANDARD PUSH/FULL, DEADBOLT, TOP 4 BOTTOM PIVOTS, CLOSER



### FINISH MATERIAL KEY

**FLOORS**

F1: 6x6 QUARRY TILE- DALTILE, QUARRY  
F2: 8x48 LVT, ALADIN, GRASS VALLEY  
F3: EXISTING TO REMAIN- PATCH AS REQUIRED

**BASE**

B1: 6x6 BULLNOSE QUARRY TILE- DALTILE Q1665  
B2: 4" VINYL COVE- ROPPE, OR EQUAL  
B3: EXISTING TO REMAIN

**WALLS**

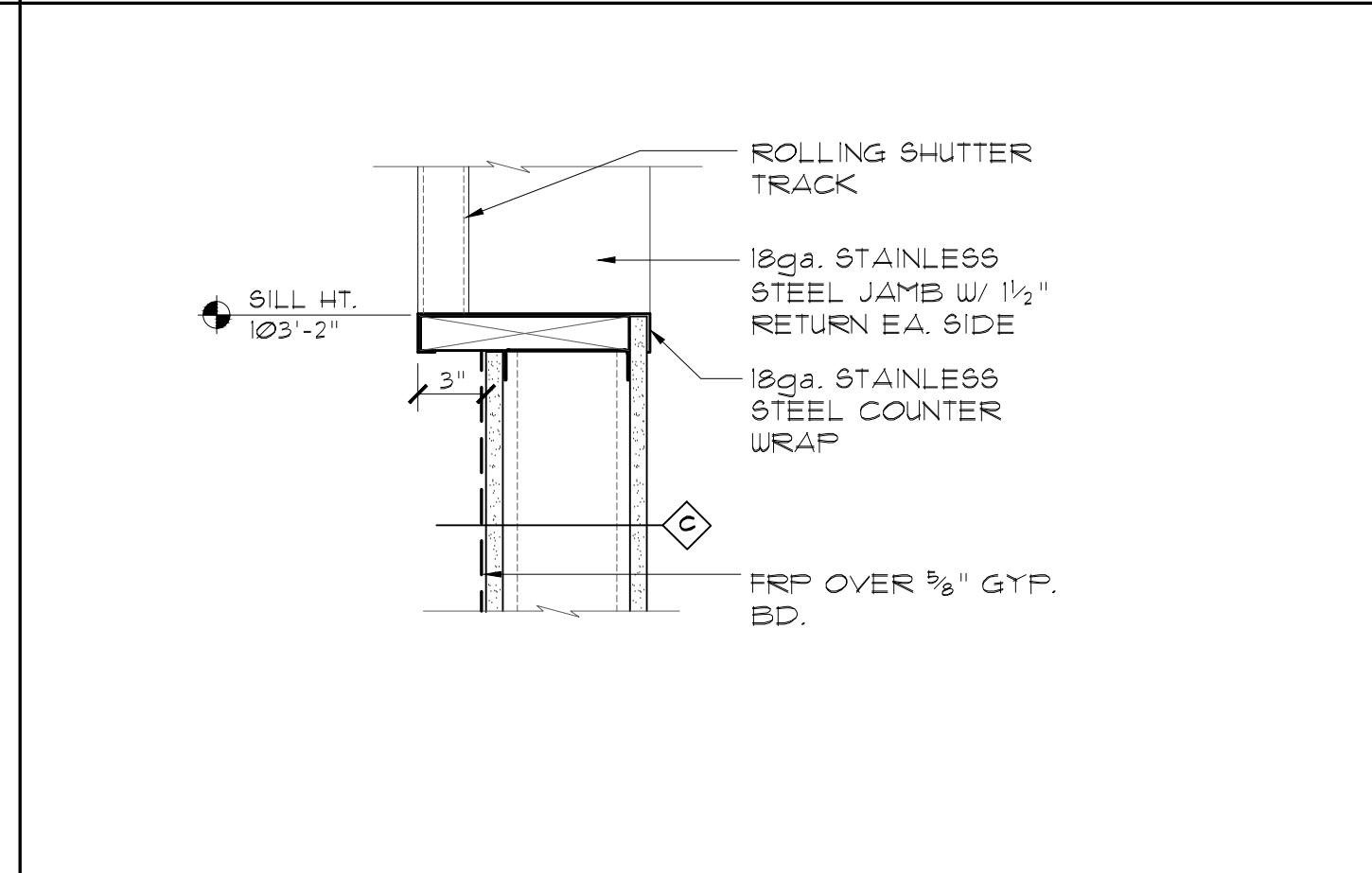
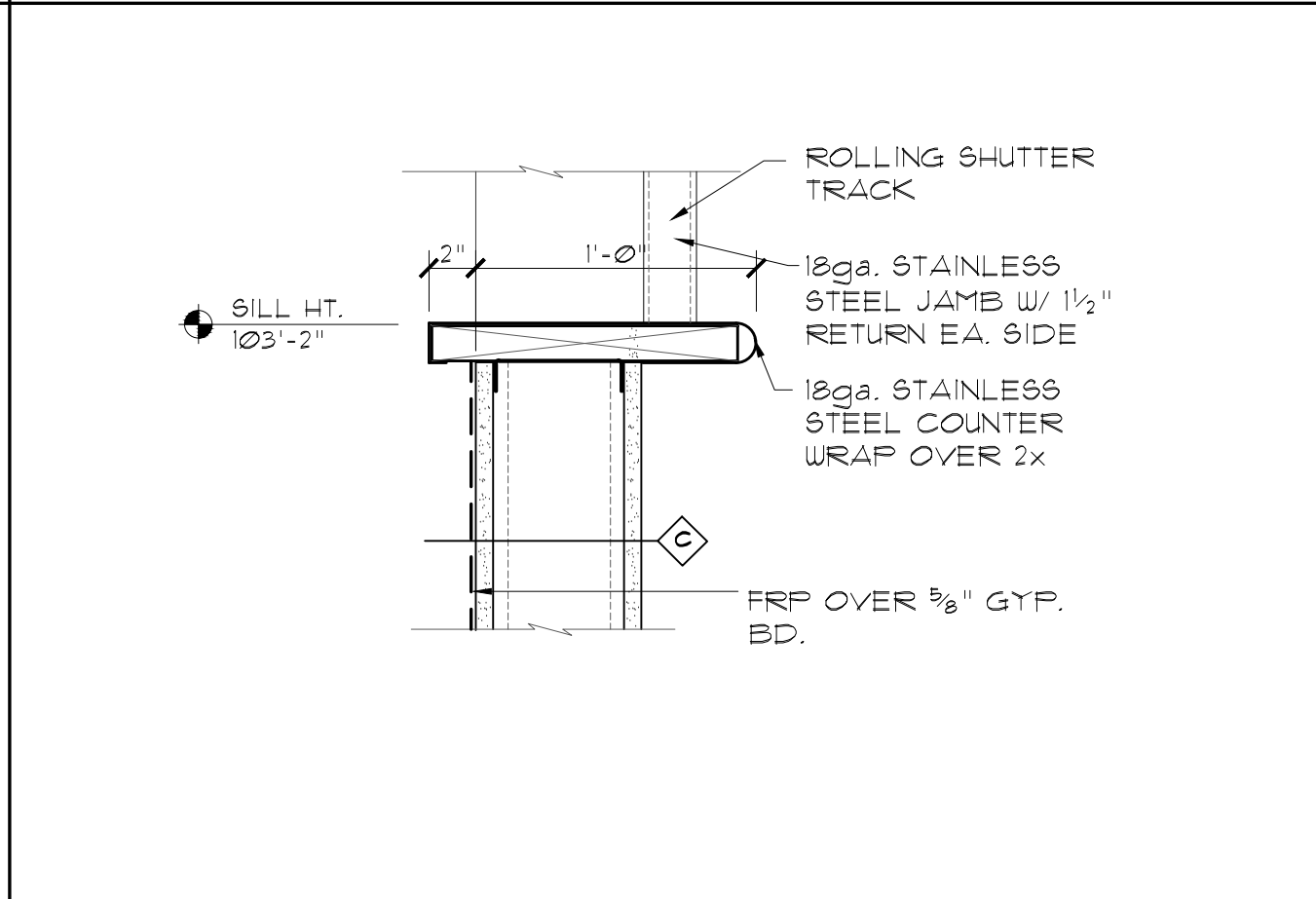
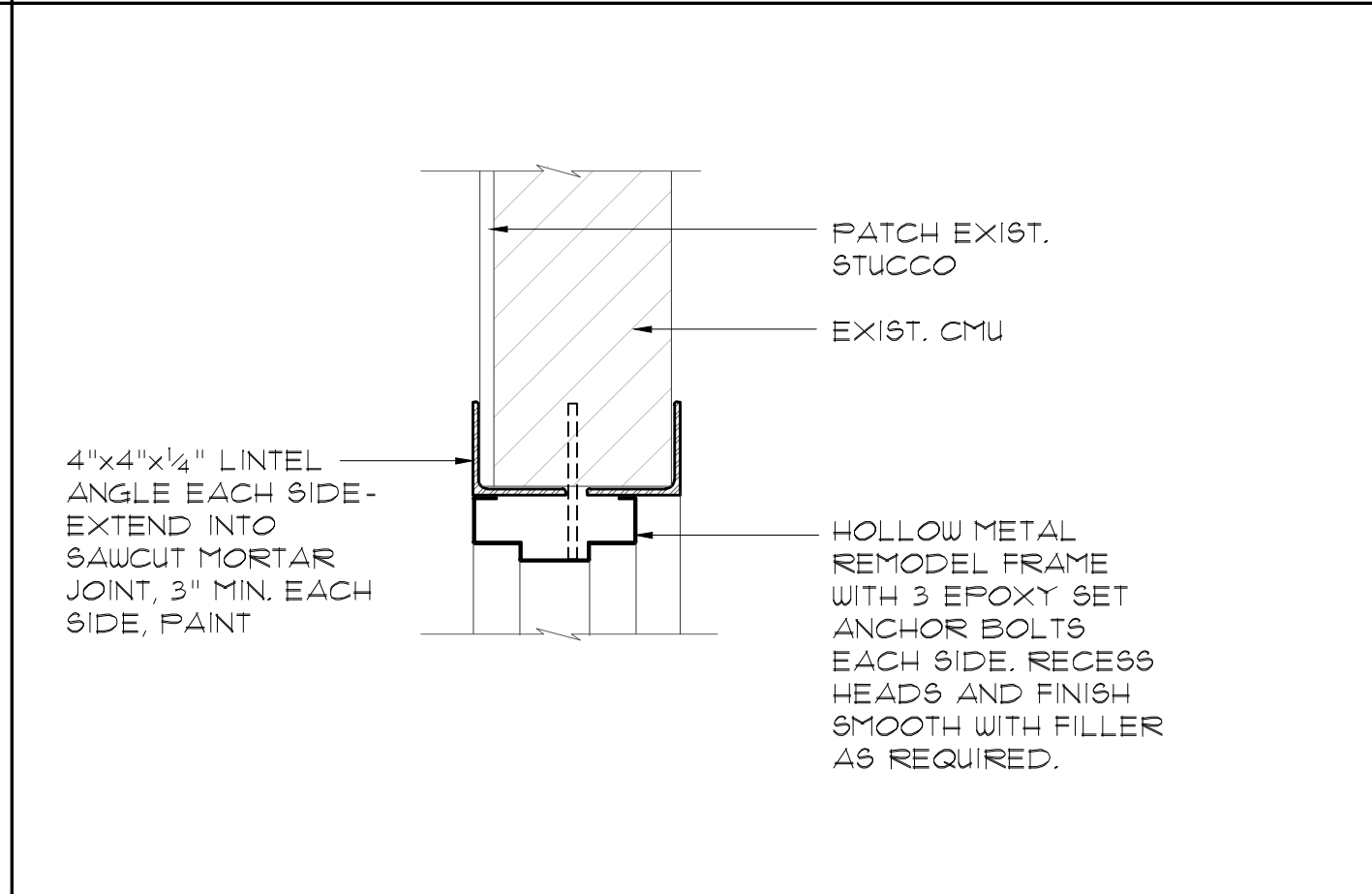
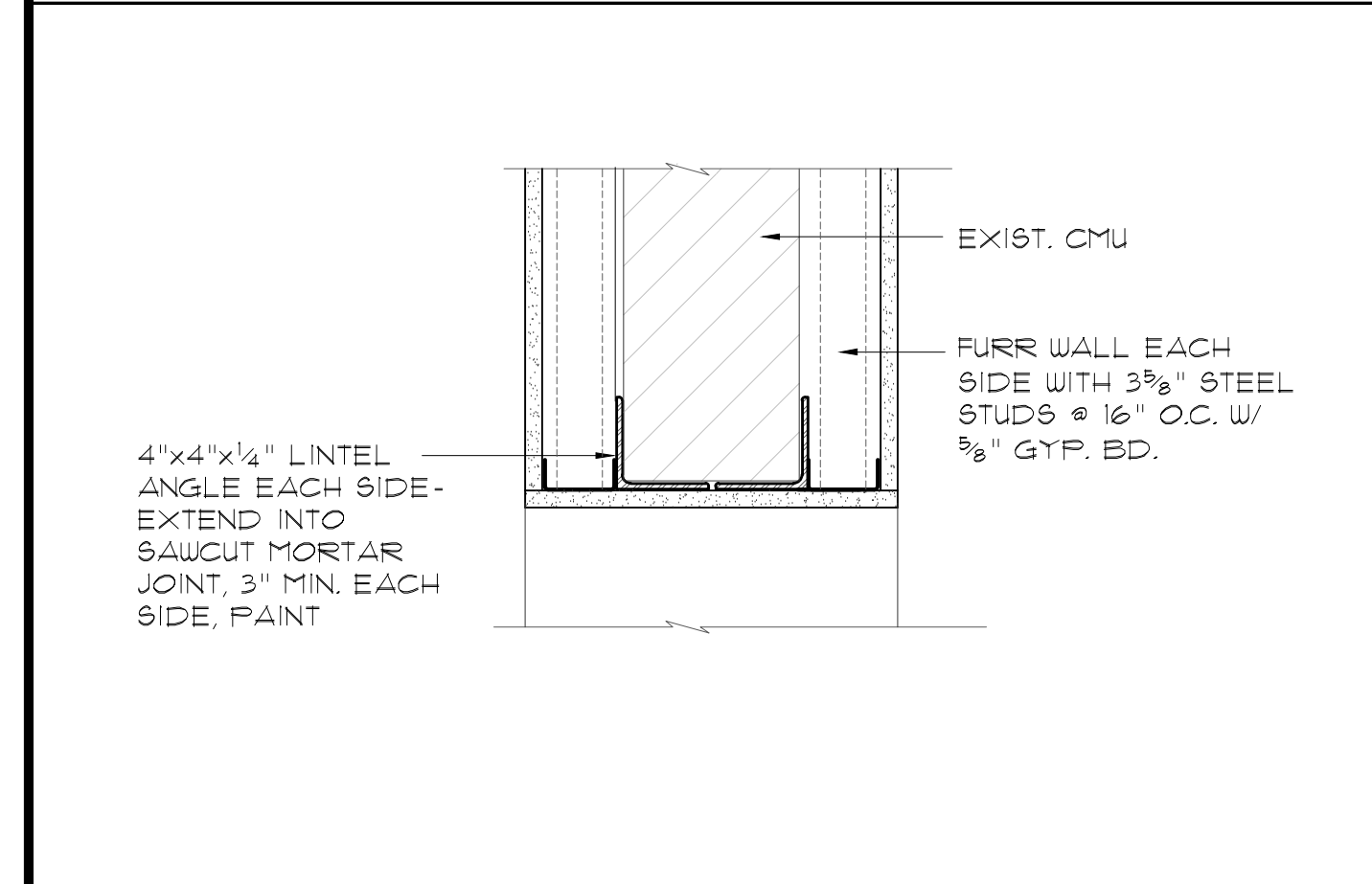
W1: GYP. BD., PAINT, 1 COAT SEMI-GLOSS  
W2: FRP PANELS OVER 3/8" GYP. BD., MARLITE, PEBBLED, P100  
W3: STAINLESS STEEL SHEET OVER 3/8" GYP. BD., 24ga.  
W4: EXISTING, PAINT WITH 1 COAT SEMI-GLOSS

**CEILING**

C1: 2x4 LAY-IN ACOUSTICAL TILE CEILING, A ARMSTRONG, CORTEGA, SECOND LOOK II, 15/16" GRID  
C2: PAINTED GYP. BD.- 1 COAT PRIMER, 2 COATS SEMI-GLOSS  
C3: 2x4 LAY-IN VINYL CLAD CEILING TILE ARMSTRONG, KITCHEN ZONE, 15/16" GRID  
B3: EXISTING TO REMAIN

**GENERAL NOTES:**

- SEE WALL FINISH PLAN, SHEET A22 FOR WALLS CLAD WITH FRP OR STAINLESS STEEL.
- EXISTING FLOOR FINISH TO REMAIN
- ALL AREAS RECEIVING QUARRY TILE SHALL USE EPOXY GROUT, C-CURE OR EQUAL, COLOR TO BE SELECTED, 3/8" JOINTS.



4 (A21) **FRAMED OPENING**  
SCALE: 1/2"=1'-0"

3 (A21) **DOOR HEAD @ CMU**  
SCALE: 1/2"=1'-0"

2 (A21) **TRAY DROP WINDOW**  
SCALE: 1/2"=1'-0"

1 (A21) **SERVICE COUNTER**  
SCALE: 1/2"=1'-0"

2 (A21) **SERVICE COUNTER HEAD**  
SCALE: 1/2"=1'-0"

STATE OF NEW MEXICO  
CARLYN R. RODAHL  
NO. 1788  
REGISTERED ARCHITECT  
10.05.22

**R&H ARCHITECTURE**

**RODAHL & HUMMELL ARCHITECTURE, P.C.**

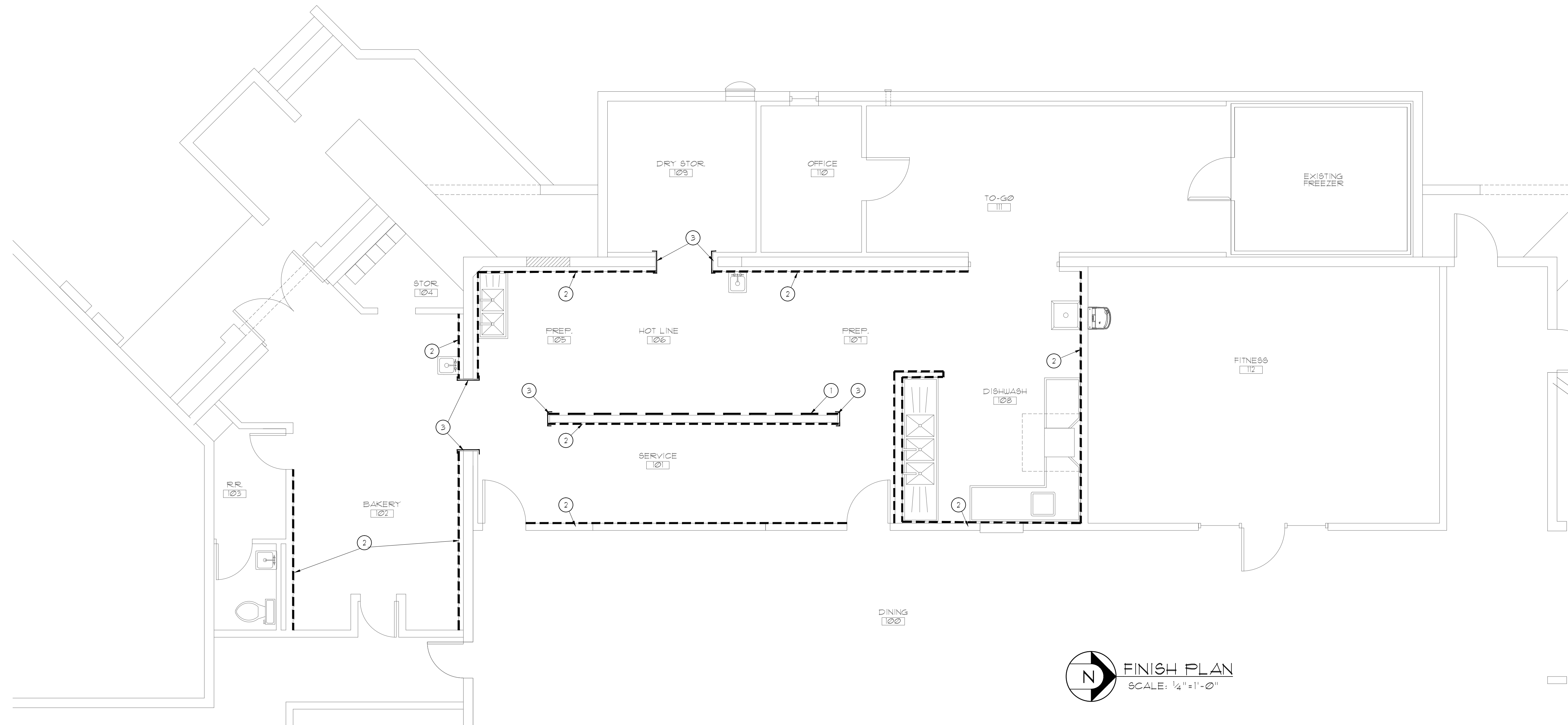
609 North Dustin  
Farmington, NM 87401  
Phone: (505) 326-6442

**AZTEC SENIOR CENTER RENOVATION**  
AZTEC, NM

SCHEDULES/DETAILS

Drawn: BTW | Checked: CRR | Date: 10.05.22

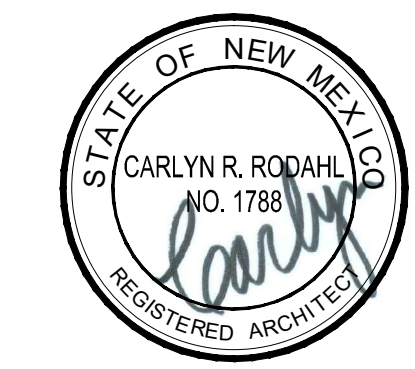
Filename: | Project: 220310 | Sheet: **A2.1**



**FINISH PLAN**  
SCALE: 1/4" = 1'-0"

**FLOOR PLAN KEYED NOTES**

- ① ( ——— ) INDICATES 24ga STAINLESS STEEL SHEET FROM TOP OF BASE TO CEILING. PROVIDE STAINLESS STEEL CORNERS WITH HEMMED EDGES.
- ② ( - - - - ) INDICATES LOCATION OF FRP PANELS
- ③ ( ——— ) FULL HEIGHT STAINLESS STEEL END WALL WRAP WITH 2" RETURN WITH HEMMED EDGES EACH SIDE.



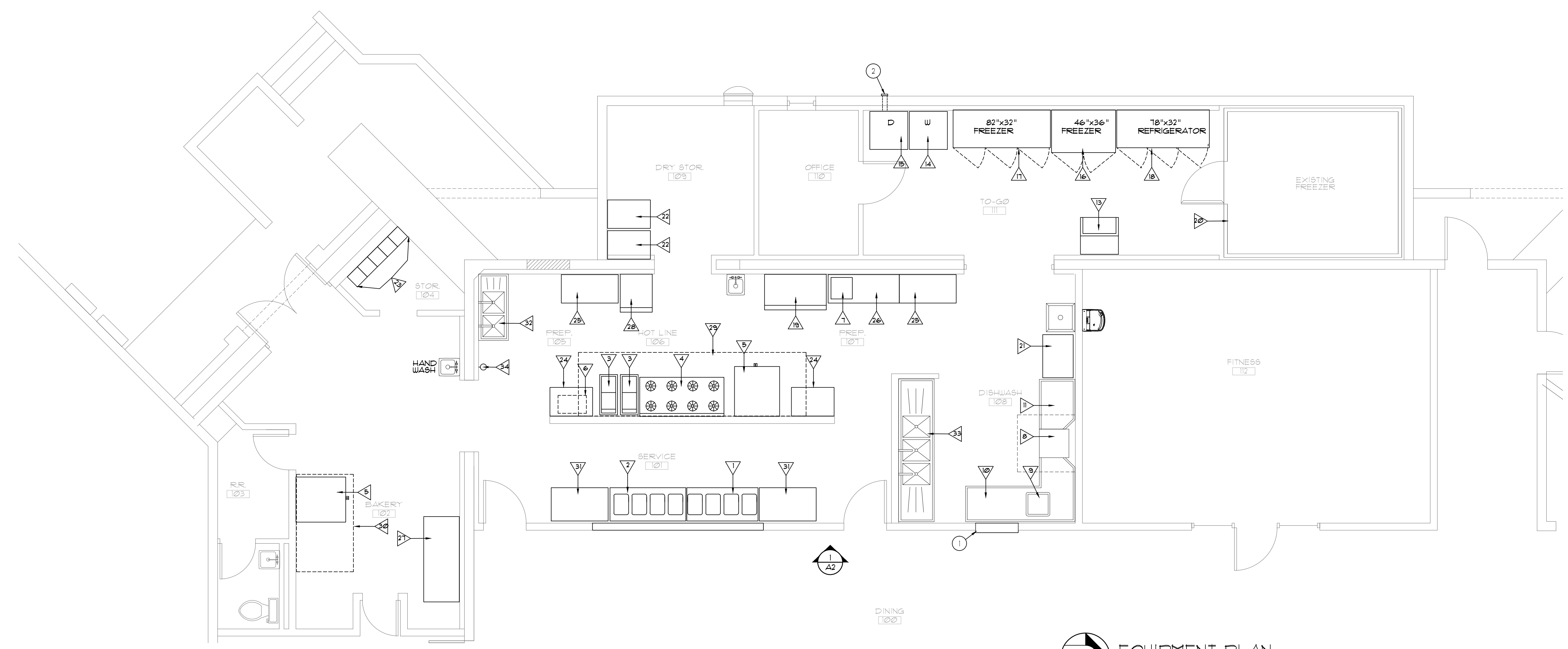
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609 North Dustin  
Farmington, NM 87401  
Phone: (505) 326-6442

<b>AZTEC SENIOR CENTER RENOVATION</b>		Filename:
AZTEC, NM		Project: 220310
WALL FINISH PLAN		Sheet: A2.2
Drawn: BTW	Checked: CRR	Date: 10.05.22

**EQUIPMENT PLAN  
KEYED NOTES**

- 1 STAINLESS STEEL COUNTER WITH FRONT EXTENSION- SEE
- 2 PROVIDE THRU-WALL DRYER VENT, 4" NO-PEST, DUAL DOOR, WHITE



**EQUIPMENT PLAN**  
SCALE: 1/4"=1'-0"

**KITCHEN EQUIPMENT**

ITEM #	QTY	DESCRIPTION	REMARKS	ITEM #	QTY	DESCRIPTION	REMARKS
1	1	COLD WELL	OWNER PROVIDED EQUIPMENT	19	1	2 DOOR REFRIGERATOR	OWNER PROVIDED EQUIPMENT
2	1	HOT WELL	OWNER PROVIDED EQUIPMENT	20	1	WALK IN FREEZER	OWNER PROVIDED EQUIPMENT
3	2	GAS FRYER		21	1	24"x36" S.S. DRYING RACK	
4	1	GAS STOVE/OVEN	OWNER PROVIDED EQUIPMENT	22	2	24"x36" S.S. WIRE CAN RACK	OWNER PROVIDED EQUIPMENT
5	2	GAS CONVECTION OVEN	OWNER PROVIDED EQUIPMENT	23	6	12"x12" SINGLE TIER LOCKER	
6	1	MICROWAVE		24	2	24"x36" S.S. PREP TABLE	
7		STEAMER		25	2	24"x48" S.S. PREP TABLE	
8	1	DISHWASHER	OWNER PROVIDED EQUIPMENT	26	1	24"x60" S.S. PREP TABLE	
9	1	DISPOSER/PRE-RINSE W/ 20"x20" SINK		27	1	24"x12" WOOD BAKERS TABLE	
10	1	30" DEEP ST. STL. SOILED TABLE		28	1	21x30 REFRIGERATOR	OWNER PROVIDED EQUIPMENT
11	1	30" DEEP ST. STL. CLEAN TABLE		29	1	16' EXHAUST HOOD W/ FIRE SUPPRESSION SYSTEM	
12	1	ST. STL. CONDENSATE HOOD		30	1	EXISTING EXHAUST HOOD	OWNER PROVIDED EQUIPMENT
13	1	ICE MACHINE	OWNER PROVIDED EQUIPMENT	31	2	28"x48" S.S. PREP TABLE	OWNER PROVIDED EQUIPMENT
14	1	WASHER		32	1	2 BAY SINK W/ DRAINBOARD	
15	1	DRYER		33	1	3 BAY SINK W/ DRAINBOARDS	
16	1	2 DOOR FREEZER	OWNER PROVIDED EQUIPMENT	34	1	FIRE EXTINGUISHER ON WALL BRACKET	
17	1	3 DOOR FREEZER	OWNER PROVIDED EQUIPMENT				
18	1	3 DOOR REFRIGERATOR	OWNER PROVIDED EQUIPMENT				



10.05.22

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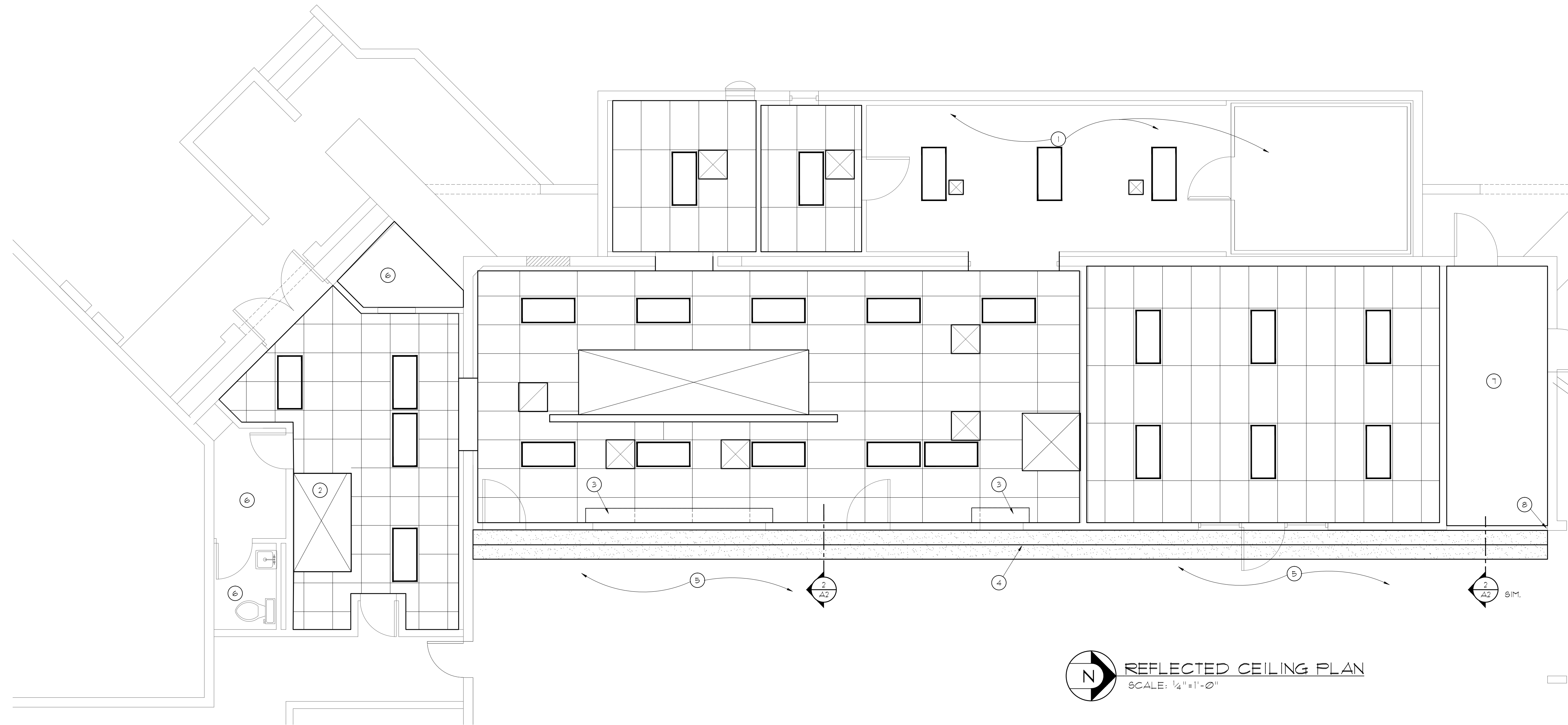
**AZTEC SENIOR CENTER RENOVATION**  
AZTEC, NM  
EQUIPMENT PLAN

Filename: \_\_\_\_\_  
Project: 220310  
Sheet: **A3**

Drawn: BTW  
Checked: CRR  
Date: 10.05.22

**REFLECTED CEILING PLAN  
KEYED NOTES**

- ① EXISTING CEILING GRID TO REMAIN- REPLACE TILE PER FINISH SCHEDULE.
- ② EXISTING HOOD TO REMAIN
- ③ NEW COUNTER SHUTTER-SEE SHEET A2.1
- ④ NEW DRYWALL SOFFIT- SEE 2/A2
- ⑤ PATCH EXISTING CEILING SYSTEM TO MATCH AFTER INSTALLATION OF NEW WALL. PROVIDE TILE TO MATCH FROM SALVAGE
- ⑥ EXISTING CEILING TO REMAIN, REPAINT.
- ⑦ EXISTING CEILING TO REMAIN.
- ⑧ NEW DOUBLE 8"x16ga HEADER- SECURE TO WALL WITH SHOTPIES



**REFLECTED CEILING PLAN**  
SCALE: 1/4"=1'-0"



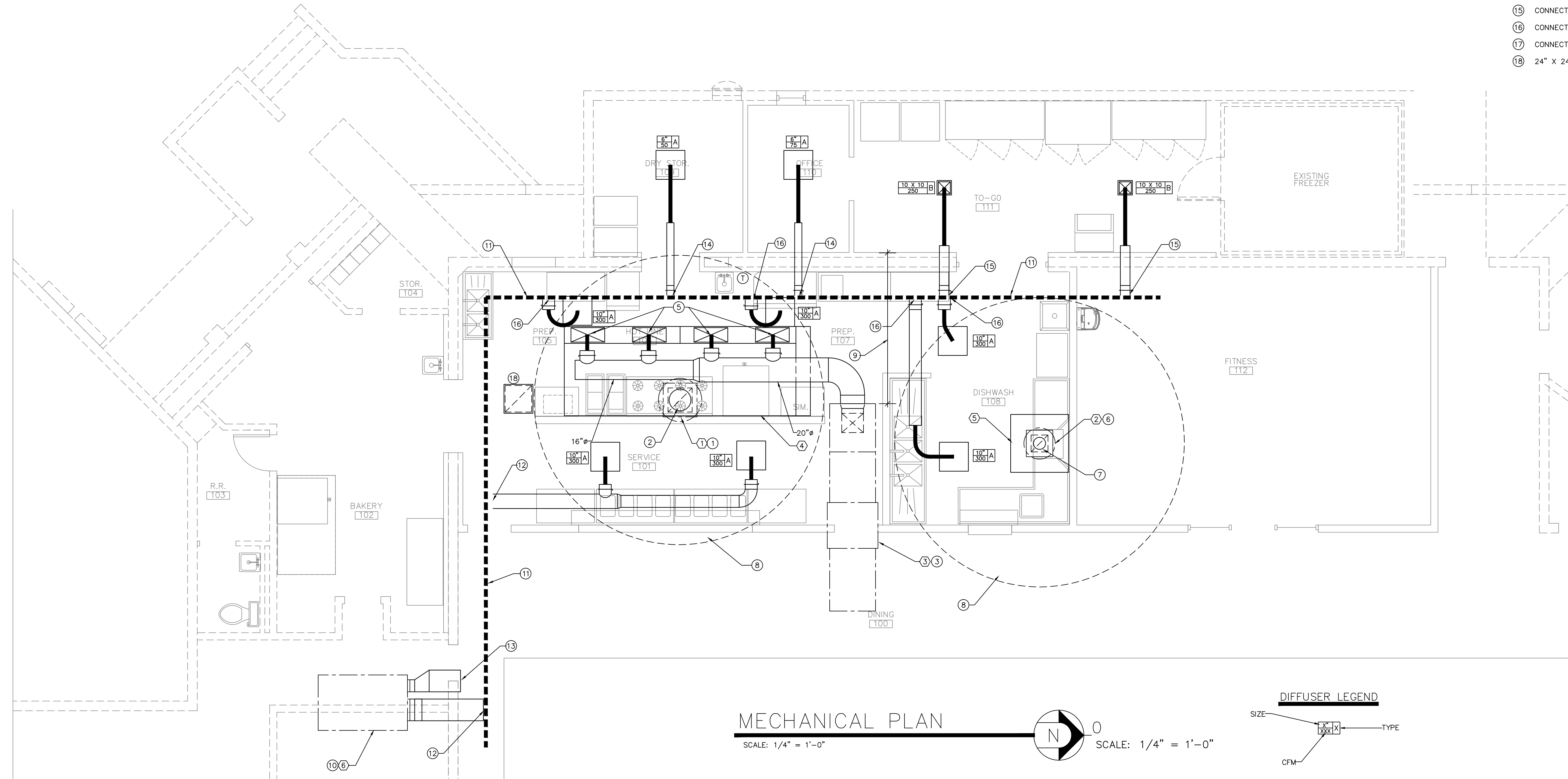
10.05.22

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 Farmington, NM 87401  
 Phone: (505) 326-6442

AZTEC SENIOR CENTER RENOVATION AZTEC, NM		Filename:
REFLECTED CEILING PLAN		Project: 220310
Drawn: BTW	Checked: CRR	Date: 10.05.22
		Sheet: <b>A4</b>

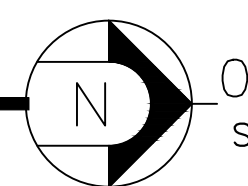
SPECIFIC NOTES

- ① ROOF MOUNTED EXHAUST FAN. SEE EXHAUST HOOD INSTALLATION DETAIL.
- ② 18" DIA. EXHAUST DUCT FROM EXHAUST FAN INLET DOWN TO HOOD EXHAUST OUTLET CONNECTION. DUCT SHALL MEET ALL REQUIREMENTS OF NFPA 96 AND LOCAL CODES FOR TYPE 1 GREASE EXHAUST DUCT.
- ③ MAKE-UP AIR UNIT ON ROOF ON MINIMUM 4" X 4" REDWOOD SKIDS. COORDINATE WITH ROOF STRUCTURE. INTERLOCK UNIT WITH EXHAUST FAN #1. BALANCE SYSTEM TO MAINTAIN -.02" S.P. IN KITCHEN.
- ④ SUPPLY AIR DUCT FROM UNIT OUTLET CONNECTION DOWN INTO CEILING SPACE, TRANSITION TO 20" DIA. AND ROUTE AS SHOWN. COORDINATE DUCT ROUTING WITH ALL EXISTING DUCTWORK, EQUIPMENT AND STRUCTURE.
- ⑤ 12" DIA. SUPPLY AIR DUCT TO HOOD INLET CONNECTION. VERIFY SIZE AND LOCATION. TYPICAL OF 4 PLACES.
- ⑥ ROOF MOUNTED EXHAUST FAN.
- ⑦ 10" DIA. EXHAUST DUCT FROM EXHAUST FAN INLET DOWN TO EXHAUST HOOD OUTLET CONNECTION. DUCT SHALL BE WATER TIGHT CONSTRUCTION IN ACCORDANCE WITH 2015 UMC 510.1.7.
- ⑧ NO OUTSIDE AIR INTAKE SHALL BE LOCATED WITHIN 10' OF EXHAUST FAN DISCHARGE.
- ⑨ NO SERVICEABLE EQUIPMENT SHALL BE INSTALLED WITHIN 10' OF THE ROOF EDGE.
- ⑩ NEW HVAC UNIT ON ROOF ON MINIMUM 4" X 4" REDWOOD SKIDS. COORDINATE LOCATION WITH ROOF STRUCTURE AND EXISTING EQUIPMENT.
- ⑪ EXISTING SUPPLY AIR DUCT IN CEILING SPACE. VERIFY SIZE AND LOCATION. REMOVE ALL EXISTING RUN-OUTS AND PATCH DUCT AIR TIGHT. REPAIR INSULATION TO MATCH EXISTING.
- ⑫ 18" X 16" SUPPLY AIR DUCT THRU WALL AND CONNECT TO EXISTING SUPPLY AIR DUCT.
- ⑬ 18" X 16" RETURN AIR DUCT THRU WALL AND STUB-OUT INTO CEILING SPACE.
- ⑭ CONNECT NEW 6" DIA. SUPPLY AIR RUN-OUT WITH BALANCING DAMPER TO EXISTING DUCT.
- ⑮ CONNECT NEW 8" DIA. SUPPLY AIR RUN-OUT WITH BALANCING DAMPER TO EXISTING DUCT.
- ⑯ CONNECT NEW 10" DIA. SUPPLY AIR RUN-OUT WITH BALANCING DAMPER TO EXISTING DUCT.
- ⑰ CONNECT NEW 12" DIA. SUPPLY AIR RUN-OUT WITH BALANCING DAMPER TO EXISTING DUCT.
- ⑱ 24" X 24" RA WITH SOUND TRAP IN CEILING.



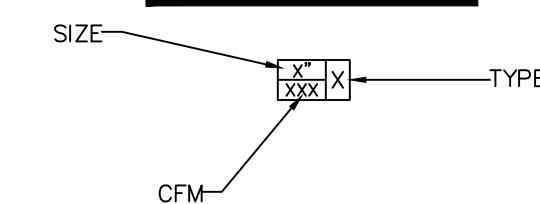
MECHANICAL PLAN

SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"

DIFFUSER LEGEND



**R&H** ARCHITECTURE  
 RODAHL & HUMMELL ARCHITECTURE, P.C.  
 609 North Dustin  
 Farmington, NM 87401  
 Phone: (505) 326-6442

AZTEC SENIOR CENTER		Filename:
RENOVATION		Project:
AZTEC, NM		220310
MECHANICAL PLAN		Sheet:
Drawn:	Checked:	Date:
TLW	TLW	06.22.22

M1.0



**MECHANICAL REQUIREMENTS**

ALL HVAC WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST ASHRAE RECOMMENDATIONS AND THE LOCAL MECHANICAL CODE REQUIREMENTS.

THE HVAC CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AS TO THE EXACT LOCATIONS AND SIZE OF ROOF PENETRATIONS.

ALL ELECTRICAL WORK INCLUDING CONNECTIONS TO ALL EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTROL WIRING TO THE THERMOSTATS SHALL BE BY THE HVAC CONTRACTOR.

INSULATE ALL SUPPLY AND RETURN AIR DUCTS FIBERGLASS BATT INSULATION WITH VAPOR BARRIER, MINIMUM INSTALLED R VALUE = 5.

ALL MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE FLAME-SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATINGS INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR ANSI/UL 723.

ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDATIONS.

THE HVAC CONTRACTOR SHALL SUBMIT TO THE OWNER ALL EQUIPMENT INSTALLATION AND OPERATING MANUALS, AND RECOMMENDED PARTS LISTS ON OR BEFORE THE COMPLETION OF THE HVAC WORK.

CALIBRATE, TEST AND ADJUST ALL TEMPERATURE, ELECTRICAL AND CONTROL DEVICES AS REQUIRED BEFORE TEST RUNNING THE HVAC SYSTEM.

ALL THERMOSTATS SHALL BE INSTALLED APPROXIMATELY 5'-0" AFF, OR AS REQUIRED TO MEET HANDICAP STANDARDS. VERIFY ACTUAL LOCATION WITH THE ARCHITECTURAL PLANS.

TEST RUN ALL HVAC SYSTEMS FOR AT LEAST THREE 24 HOUR PERIODS IN THE PRESENCE OF THE GENERAL CONTRACTOR BEFORE GIVING NOTICE OF COMPLETION OF THE WORK TO THE OWNER AND BEFORE ACCEPTANCE BY THE OWNER.

ALL REGISTERS AND DIFFUSERS TO HAVE DAMPERS OR EXTRACTORS FOR AIR BALANCE.

ALL DIMENSIONS ARE CLEAR INSIDE.

CONTRACTOR SHALL FURNISH FOR APPROVAL, SIX COPIES OF SHOP DRAWINGS TO THE ARCHITECT TO COMPLETELY IDENTIFY ALL MATERIAL AND EQUIPMENT TO BE INSTALL AND USED ON THE PROJECT.

THE EQUIPMENT ROUGH-INS SHOWN ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER IN SOME INSTANCES THE OWNER OR SUPPLIER MAY SUBSTITUTE FOR THE EQUIPMENT ITEM OR THE EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT CHANGES DIRECTLY UPON THE CONTRACTOR.

UNLESS NOTED OTHERWISE, GRILLE, REGISTERS AND DIFFUSERS SHALL BE SUPPLIED WITH FACTORY FINISH IN STANDARD COLORS SELECTED BY THE ARCHITECT. SIZES SHALL BE NOTED ON THE DRAWINGS AND AS SCHEDULED.

INSULATION SHALL BE AS MANUFACTURED BY JOHNS-MANVILLE, OWENS-CORNING, PITTSBURGH PLATE GLASS CO., PHILIP CAREY MANUFACTURING CO., CERTAIN-TEED ST. GOBAIN CO. OR APPROVED EQUAL.

INSULATION SHALL BE APPLIED WITH ALL JOINTS CAREFULLY FITTED TO ELIMINATE VOIDS.

FLEXIBLE DUCTING SHALL BE AS MANUFACTURED BY WIREMOLD FLEXIBLE TUBING CORP. OR APPROVED EQUAL.

ALL DUCTS SHALL BE FIRMLY SUPPORTED OR HUNG AND NEATLY ALIGNED AND INSTALLED. SPACE HANGERS AS REQUIRED TO SUPPORT THE DUCTS WITHOUT SAGGING. LOCATION AND SPACING OF HANGERS AND SUPPORTS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. FURNISH AND INSTALL ALL NECESSARY SUPPORTING MATERIAL AND ADDUCTION STRUCTURAL MEMBERS. SEAL OPEN SPACE BETWEEN DUCTS AND WALL. COORDINATE DUCTWORK WITH LIGHTING FIXTURES, CEILING SUPPORT SYSTEM, ACCESS DOORS, ETC.

MAXIMUM LENGTH OF FLEXIBLE DUCTING SHALL BE 5'.

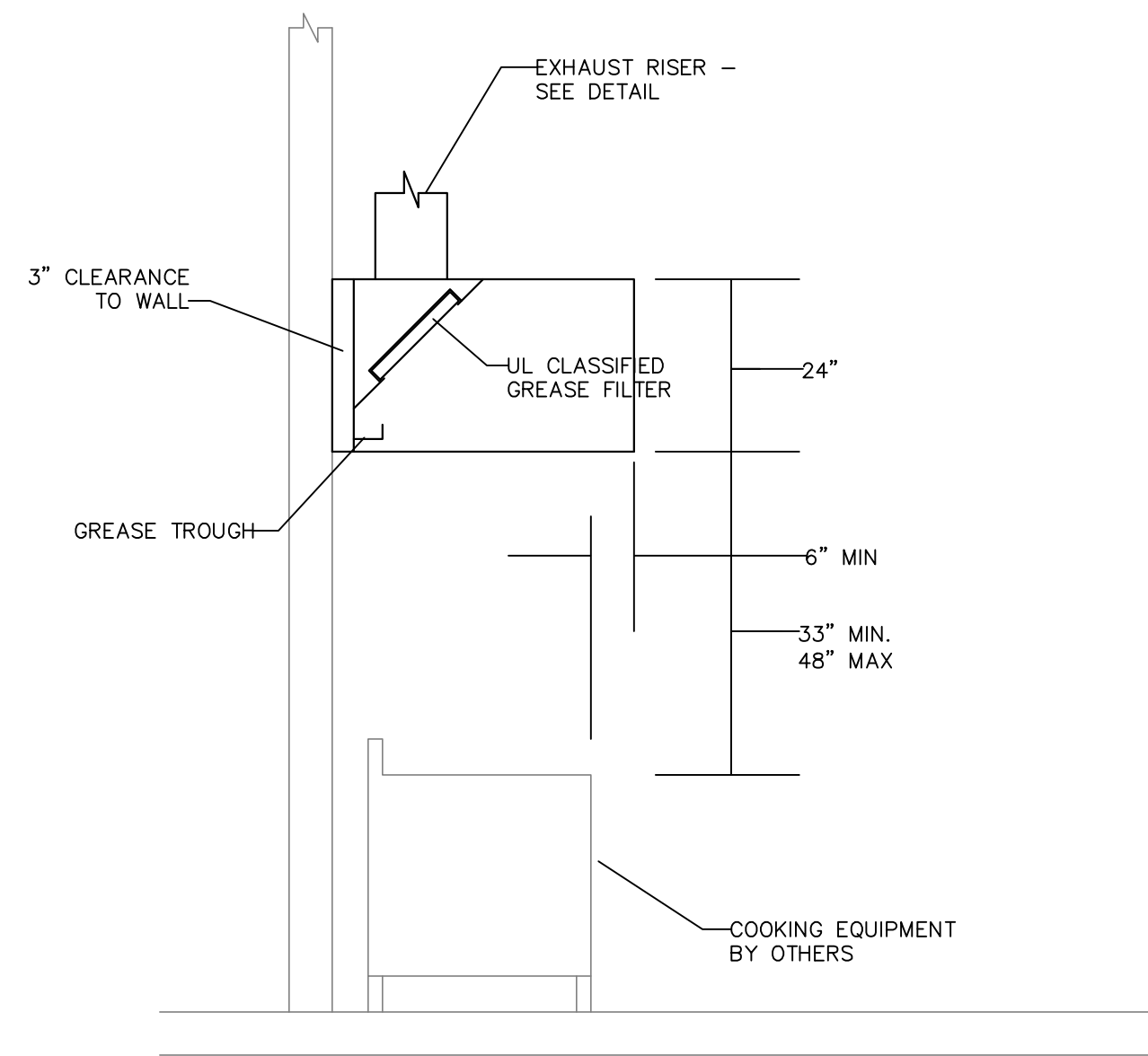
INSTALL TURNING VANES IN ALL RECTANGULAR DUCTWORK AT CHANGES IN DIRECTION OF GREATER THAN 45 DEGREES.

DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2015 UNIFORM MECHANICAL CODE. ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTION SHALL BE FASTENED AND SEALED WITH WELDS, GASKETS, MASTIC, MASTIC-PLUS EMBEDDED-FABRIC SYSTEM OR TAPES INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ALL TAPES AND MASTICS USED SHALL MEET UL REQUIREMENT 181.

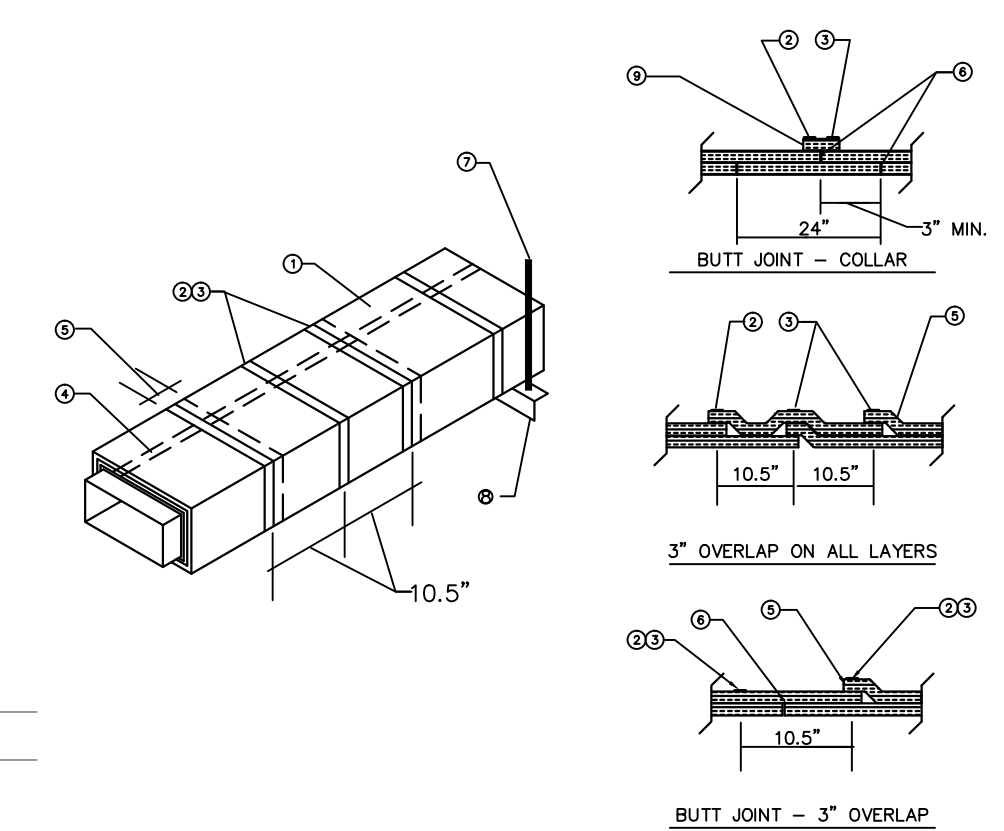
PROVIDE A "TEST AND BALANCE" REPORT IN ACCORDANCE WITH PROCEDURES AND WITH EQUIPMENT AS PER SMACNA HVAC SYSTEMS TESTING, ADJUSTING & BALANCING MANUAL AND 2015 IECC, C408.2.2. THE TESTS SHALL BE PERFORMED AND THE REPORT SHALL BE PROVIDED BY AN INDEPENDENT THIRD PARTY.

TYPREWRAP MAX 1.5 DUCT INSULATION  
COMMERCIAL KITCHEN GREASE DUCT SYSTEM  
ICCES ACT101/ASTM E 2336 SYSTEM  
1 OR 2 HOUR FIRE-RATED ENCLOSURE, SHAFT ALTERNATIVE  
ZERO CLEARANCE TO COMBUSTIBLES

- ① TYPREWRAP MAX 1.5 DUCT INSULATION, TWO LAYERS (EACH 1.5", TOTAL THICKNESS = 3")
- ② FILAMENT TAPE (TEMPORARY HOLD)
- ③ CARBON OR SS BANDING STRAPS (PERMANENT HOLD)
- ④ 3" MINIMUM LONGITUDINAL OVERLAP
- ⑤ 3" MINIMUM TRANSVERSE OVERLAP
- ⑥ 1" COMPRESSED BUTT JOINT.
- ⑦ STEEL HANGER ROD
- ⑧ STEEL ANGLE
- ⑨ 6" WIDE TYPREWRAP MAX 1.5 COLLAR

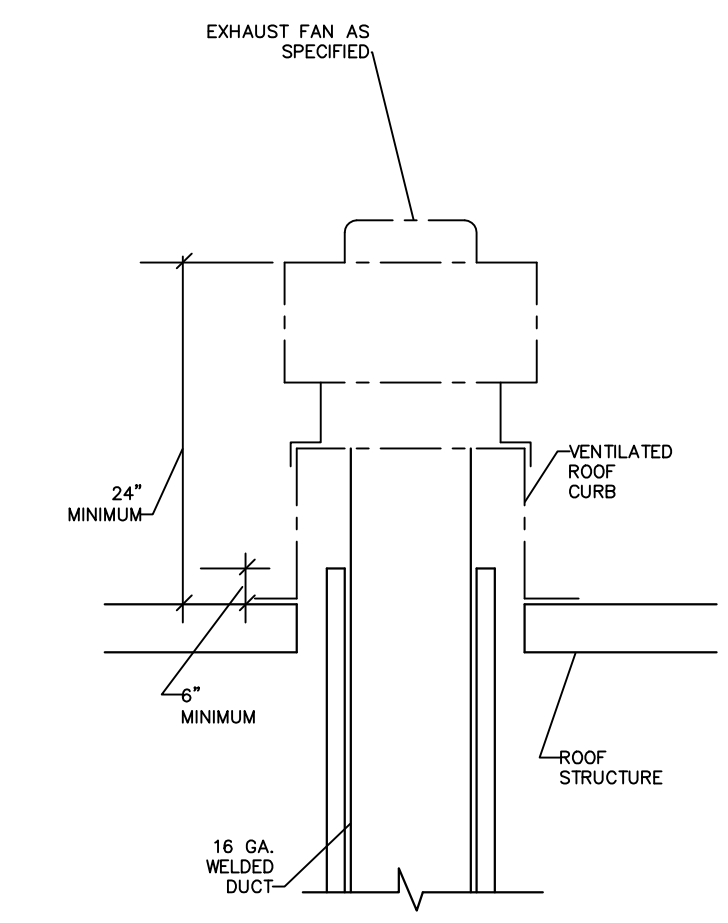


**TYPICAL HOOD INSTALLATION DETAIL**  
NO SCALE



**TYPICAL GREASE DUCT INSTALLATION**  
NO SCALE

- NOTES FOR GREASE DUCT:
- 1. DUCT TO BE 16 GAUGE STEEL WELDED EXTERNALLY ON ALL SIDES LIQUID TIGHT.
  - 2. DUCT TO BE WRAPPED WITH TYPREWRAP MAX 2.0 DUCT INSULATION. SEE INSTALLATION DETAILS



**ROOF PENETRATION DETAIL**  
NO SCALE

**EQUIPMENT SCHEDULE**

- ① EXHAUST FAN: CURB MOUNTED, DIRECT DRIVEN, VARIABLE SPEED, CENTRIFUGAL TYPE UPFLAST EXHAUST FAN. THE UNIT SHALL BE OF ALUMINUM NON-SPARKING CONSTRUCTION AND SHALL HAVE A HOUSING DRAIN TROUGH AND GREASE BOX. THE MOTOR SHALL BE MOUNTED OUT OF THE AIR STREAM AND THE MOTOR HOUSING SHALL HAVE POSITIVE FRESH AIR VENTILATION. THE ENTIRE DRIVE ASSEMBLY AND WHEEL SHALL BE SUPPORTED BY VIBRATION ISOLATORS. PROVIDE THE UNIT WITH MINIMUM 20" HIGH, VENTILATED ROOF CURB AND UNIT MOUNTED DISCONNECT SWITCH. MODEL NUMBERS ARE CAPTIVEAIRE.
- ② MAKE-UP AIR UNIT: ROOFTOP MOUNTED, PACKAGED MAKE-UP AIR UNIT WITH GAS FIRED HEATING AND EVAPORATIVE COOLING. THE CABINET SHALL BE CONSTRUCTED OF HEAVY GAUGE GALVANIZED STEEL WITH A BAKED ENAMEL FINISH. THE UNIT SHALL HAVE MODULATED, DIRECT FIRED HEATING SECTION WITH A DUCT MOUNTED THERMOSTAT. THE UNIT SHALL HAVE A MANUAL GAS SHUT-OFF VALVE, DIRECT HOT SURFACE IGNITION, HIGH LIMIT CONTROL AND GAS PRESSURE REGULATOR. THE EVAPORATIVE COOLING SECTION SHALL HAVE CELDEX COOLER PADS, WATER CIRCULATING SYSTEM, OVERFLOW PIPE AND ADJUSTABLE FLOAT VALVE. THE FAN SHALL BE BELT DRIVEN, CENTRIFUGAL TYPE WITH ADJUSTABLE PULLEYS AND MOTOR MOUNT. THE UNIT SHALL HAVE MOTORIZED BACKDRAFT DAMPER AND DOWN DISCHARGE. MODEL NUMBERS ARE CAPTIVEAIRE.

SYMBOL	MODEL	CFM	ESP	VOLTS	PH	HP	RPM
1	DU33HFA	600	.50"	115	1	1/2	1432
2	DU180HFA	3440	1.60"	208	3	3.0	1495

SYMBOL	MODEL	BTUH	CFM	ESP	VOLTS	PH	HP
3	A2-D.250-20D	170,000	2860	.50"	208	3	1.5

- ④ EXHAUST HOOD: TYPE I GREASE EXHAUST HOOD, CAPTIVEAIRE MODEL 6030 ND-2-PSP-F, 60" X 192" SIZE, CANOPY TYPE WITH 3" BACK STANDOFF. STAINLESS STEEL CONSTRUCTION WITH STAINLESS STEEL FILTERS, UL LISTED INCANDESCENT LIGHT FIXTURES, QUARTER PANEL AND ANSUL FIRE PROTECTION SYSTEM AND PERFORATED SUPPLY AIR PLENUM. THE HOOD AND ALL COMPONENTS SHALL MEET THE CRITERIA OF ALL LOCAL CODES AND NFPA #96 AND SHALL BEAR THE NSF SEAL OF APPROVAL.

- ⑤ EXHAUST HOOD: TYPE II VAPOR EXHAUST HOOD, CAPTIVEAIRE MODEL 4830 VHB-G, 48" X 48" SIZE, STAINLESS STEEL CONSTRUCTION. THE HOOD SHALL MEET ALL REQUIREMENTS OF 2015 UMC, CHAPTER 5 FOR TYPE II EXHAUST HOODS.

- ⑥ ROOFTOP UNIT: SELF CONTAINED UNIT WITH GAS FIRE HEATING AND ELECTRIC POWERED REFRIGERATED AIR COOLING. THE UNIT SHALL BE COMPLETELY FACTORY ASSEMBLED, TESTED AND CHARGED. THE COMPRESSOR SHALL BE HERMETIC TYPE WITH CRANKCASE HEATER, OVERLOAD PROTECTION, HIGH AND LOW PRESSURE PROTECTION AND A FIVE YEAR WARRANTY. THE CONDENSER SECTION SHALL HAVE ALUMINUM FINS BONDED TO SEAMLESS COPPER TUBES. THE CONDENSER FAN SHALL BE DIRECT DRIVEN PROPELLER TYPE AND SHALL BE MOUNTED ON VIBRATION ISOLATORS. THE EVAPORATOR COIL SHALL HAVE ALUMINUM FINS BONDED TO SEAMLESS COPPER TUBES. THE EVAPORATOR FAN SHALL BE CENTRIFUGAL TYPE WITH FORWARD CURVED BLADES AND SHALL BE MOUNTED ON VIBRATION ISOLATORS. THE GAS HEATING SECTION SHALL BE AGR RATED AND APPROVED WITH FULL SAFETY CONTROLS, ELECTRIC HOT SURFACE IGNITION SYSTEM, HIGH LIMIT CONTROLS AND SHALL BE ORIGINED FOR 5000' ELEVATION. PROVIDE THE UNIT WITH FULL ECONOMIZER SECTION AND CONTROLS, 2" THICK THROW-AWAY FILTERS, SMOKE DETECTOR AND PROGRAMMABLE THERMOSTAT. RATINGS ARE AT 95 DEG F. AMBIENT TEMPERATURE AND 67 DEG F. EWB TEMPERATURE. MODEL NUMBERS ARE CARRIER 48FC.

SYMBOL	MODEL	TOTAL COOLING	SENS. COOLING	HEAT INPUT	HEAT OUTPUT
6	EA07	72,400	55,600	110,000	88,000

SYMBOL	CFM	ESP	VOLTS	PH	MCA	WEIGHT	EER
6	2400	.5"	208	3	32.0	650	11.0

**DIFFUSER SCHEDULE**

TYPE	MAKE & MODEL	COMMENTS
A	SHOEMAKER HVD	24" X 24" CEILING PANEL
B	SHOEMAKER CB 40	
RA	SHOEMAKER 600T	

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**AZTEC SENIOR CENTER RENOVATION**  
AZTEC, NM

Filename: **SCHEDULES & DETAILS**  
Project: **220310**  
Sheet: **M1.2**

Drawn: TLW | Checked: TLW | Date: 06.22.22

PLUMBING REQUIREMENTS.

ALL PLUMBING WORK AND MATERIALS SHALL CONFORM WITH THE LATEST EDITION OF THE LOCAL PLUMBING CODE.

UNDERFLOOR/BELOW GRADE WASTE PIPING SHALL BE CAST IRON EXCEPT THAT PVC OR ABS PIPING MAY BE USED WHERE PERMITTED BY APPLICABLE CODES.

VENT PIPING SHALL BE CAST IRON OR STEEL EXCEPT THE PVC OR ABS PIPING MAY BE USED WHERE PERMITTED BY APPLICABLE CODES.

WATER PIPING BELOW SLAB SHALL BE TYPE "L" SOFT COPPER OR CROSSLINKED POLYETHYLENE (PEX) TUBING WITH COMPATIBLE FITTINGS.

COLD WATER PIPING ABOVE CEILING SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER, MAX. K = .27 BTUH/INCH/HR X SQ. FT. X DEG. F.

ALL WATER PIPING ABOVE GRADE SHALL BE TYPE "M" HARD COPPER OR CROSSLINKED POLYETHYLENE (PEX) TUBING WITH COMPATIBLE FITTINGS.

ALL HOT WATER PIPING 2" DIA. OR LESS SHALL HAVE MINIMUM R=4 INSULATION. HOT WATER PIPING GREATER THE 2" DIA. SHALL HAVE MINIMUM R=6 INSULATION.

INSTALL SHUT-OFF GATE VALVE AND UNIT TO ALL EQUIPMENT SUPPLY LINES.

VERIFY METERING AND SERVICE CONNECTIONS WITH LOCAL UTILITY COMPANIES.

PITCH ALL DRAINS 1/4" PER FOOT WHERE POSSIBLE.

ALL PIPING SHALL BE CONCEALED UNLESS OTHERWISE NOTED.

ALL ELEVATIONS SHALL BE VERIFIED AT THE JOB SITE.

PLUMBING CONTRACTOR SHALL PAY ALL FEES, PERMITS AND CHARGES IN CONNECTION WITH THIS WORK.

THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT DIMENSIONS AND ROUGH-IN REQUIREMENTS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL SUPPLY FOR APPROVAL, SIX COPIES OF SHOP DRAWINGS AND/OR MANUFACTURER'S DESCRIPTIVE DATA OF A NATURE TO COMPLETELY IDENTIFY THE MATERIAL OR EQUIPMENT TO BE INSTALLED.

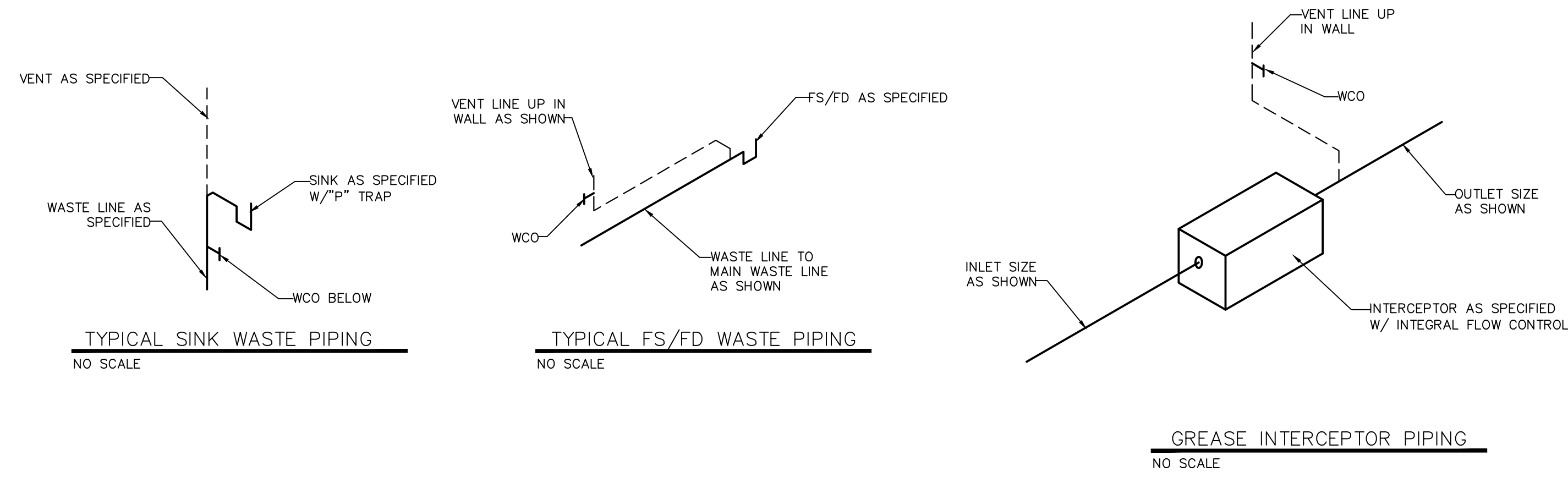
ALL WATER PIPING SHALL BE RUN ON THE HEATED SIDE OF BUILDING INSULATION.

KITCHEN EQUIPMENT SHALL BE INSTALLED BY THE GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL ROUGH-IN AND MAKE THE FINAL CONNECTIONS TO THIS EQUIPMENT.

THE WATER HEATER SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION. STRAPPING SHALL BE AT POINTS WITHIN THE UPPER ONE-THIRD AND LOWER ONE-THIRD OF ITS VERTICAL DIMENSIONS. AT THE POWER POINT, A DISTANCE OF NOT LESS THAN FOUR INCHES SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING.

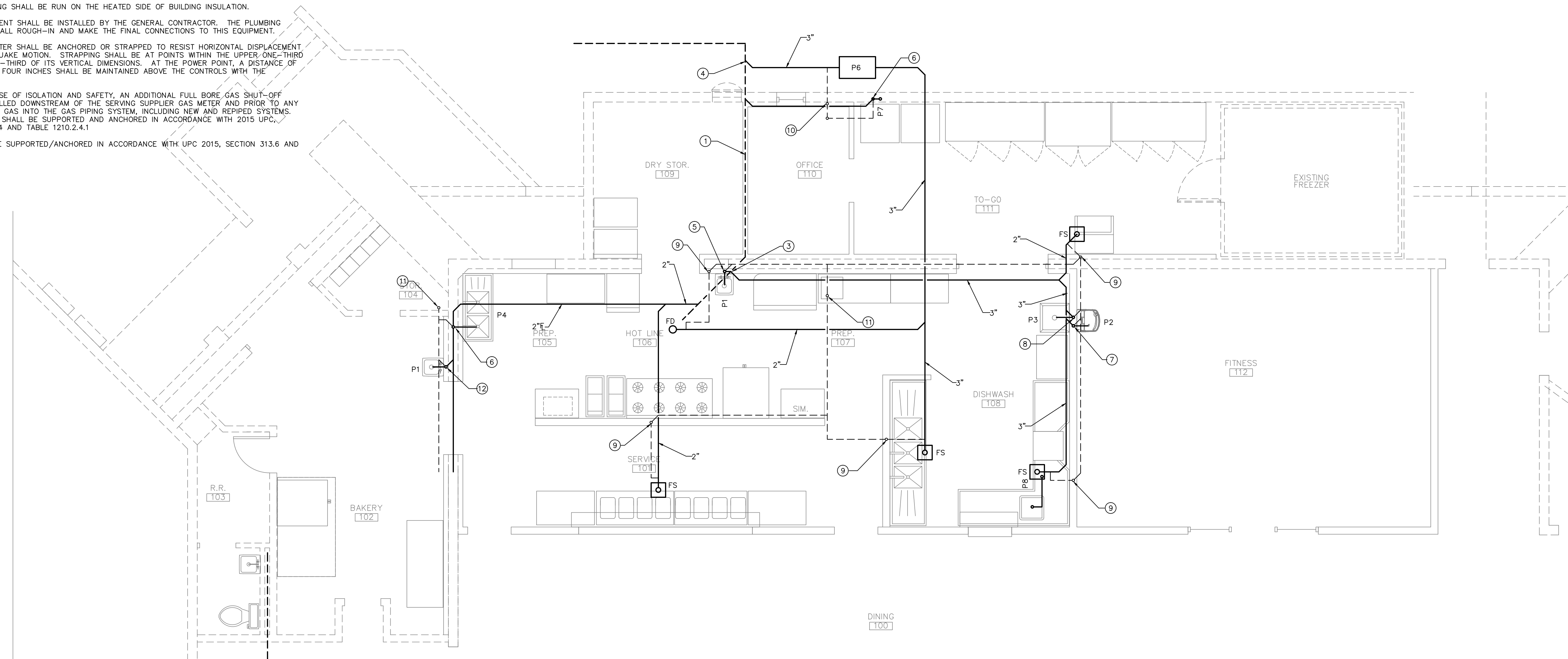
FOR THE PURPOSE OF ISOLATION AND SAFETY, AN ADDITIONAL FULL BORE GAS SHUT-OFF SHALL BE INSTALLED DOWNSTREAM OF THE SERVING SUPPLIER GAS METER AND PRIOR TO ANY DISTRIBUTION OF GAS INTO THE GAS PIPING SYSTEM, INCLUDING NEW AND REPIPED SYSTEMS. ALL GAS PIPING SHALL BE SUPPORTED AND ANCHORED IN ACCORDANCE WITH 2015 UPC, SECTION 1210.2.4 AND TABLE 1210.2.4.1.

PIPING SHALL BE SUPPORTED/ANCHORED IN ACCORDANCE WITH UPC 2015, SECTION 313.6 AND TABLE 313.6.



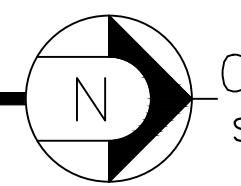
SPECIFIC NOTES

- ① EXISTING WASTE LINE. VERIFY SIZE AND LOCATION.
- ② CONNECT NEW 2" WASTE LINE TO EXISTING WASTE LINE.
- ③ CONNECT NEW 1 1/2" WASTE LINE AND NEW 3" WASTE LINE TO EXISTING WASTE LINE.
- ④ CONNECT NEW 3" WASTE LINE TO EXISTING WASTE LINE.
- ⑤ 1 1/2" WASTE LINE DOWN IN WALL AND CONNECT TO EXISTING WASTE LINE. 1 1/2" VENT LINE UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
- ⑥ 2" WASTE LINE DOWN IN WALL AND ROUTE AS SHOWN. 1 1/2" VENT LINE UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
- ⑦ 1 1/2" WASTE LINE DOWN IN WALL AND ROUTE AS SHOWN. 1 1/2" VENT LINE UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
- ⑧ 3" WASTE LINE DOWN IN WALL AND ROUTE AS SHOWN. 1 1/2" VENT LINE UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
- ⑨ 1 1/2" VENT LINE UP IN WALL TO CEILING SPACE AND ROUTE AS SHOWN.
- ⑩ 2" VENT LINE UP IN WALL TO CEILING SPACE, OFFSET AND EXTEND UP THRU ROOF..
- ⑪ 2" VTR.
- ⑫ INSTALL NEW HAND SINK AT EXISTING ROUGH-IN. VERIFY LOCATION AND ALL CONNECTIONS.
- ⑬ 1 1/2" WASTE LINE TO FS AND DISCHARGE WITH AIR GAP.




WASTE PIPING PLAN

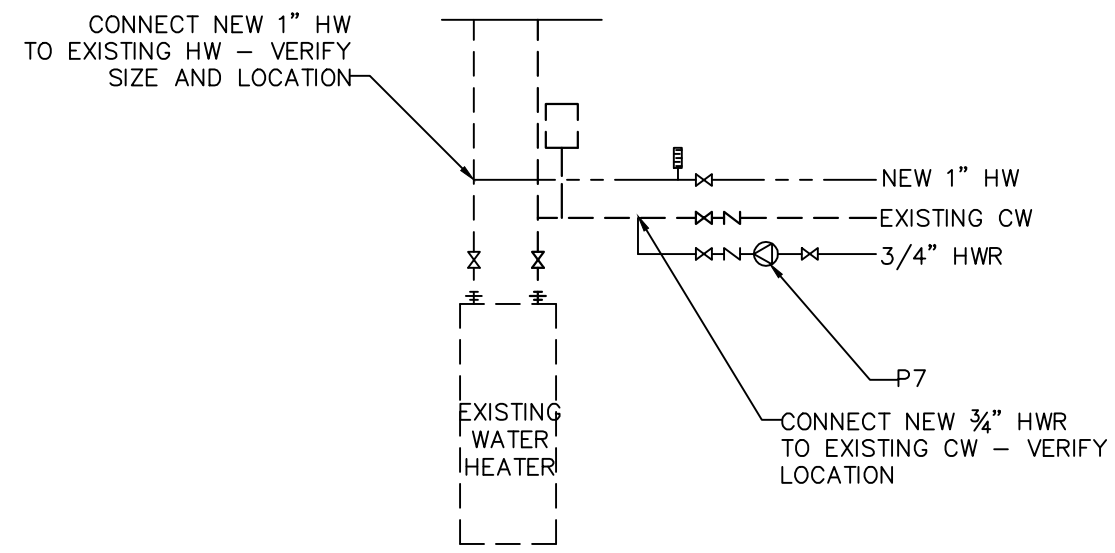
SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"



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Drawn: TLW	Checked: TLW	Date: 06.22.22



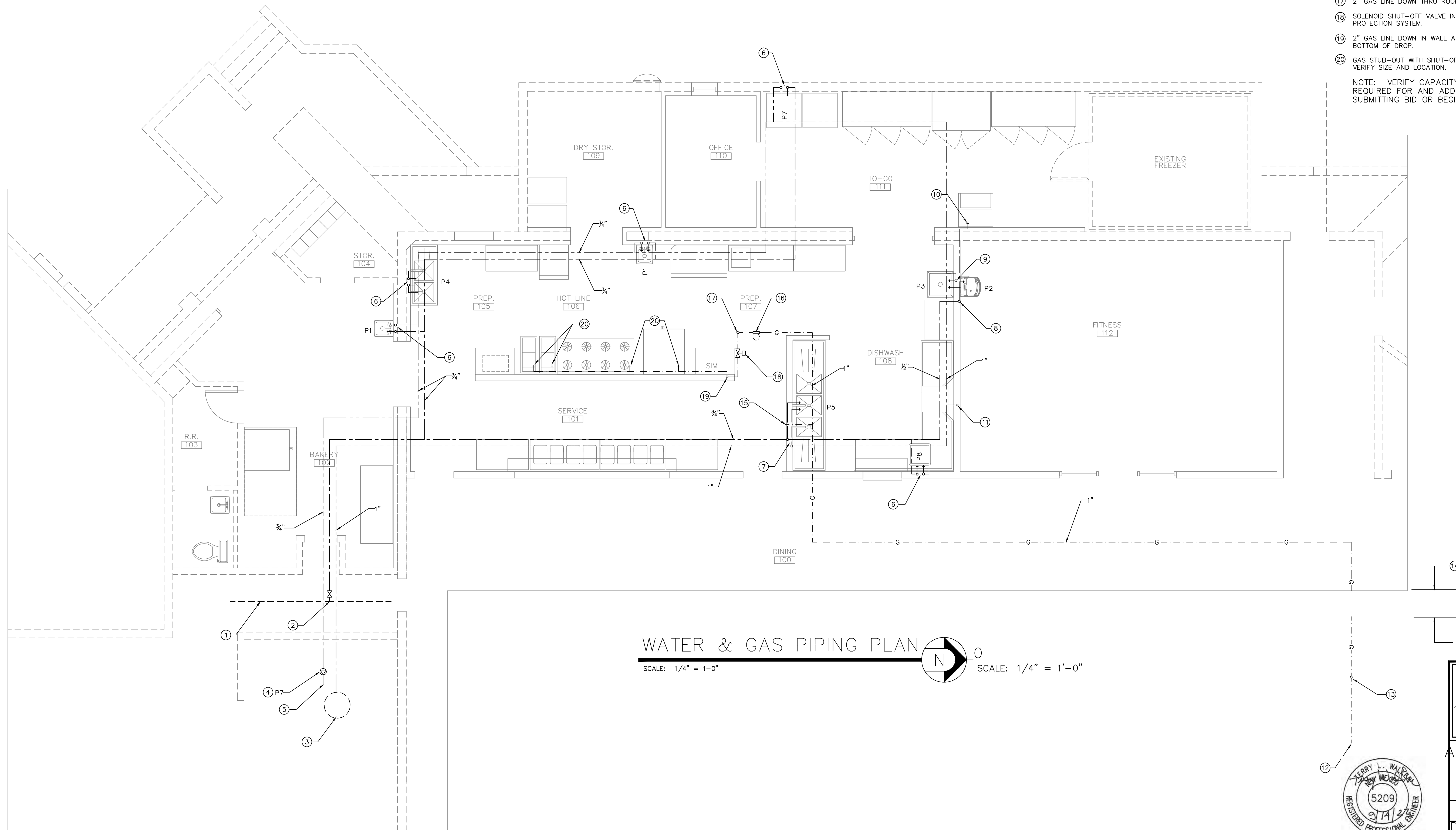
WATER HEATER INSTALLATION DETAIL  
NO SCALE

FIXTURE SCHEDULE

- P1 HAND SINK: AMERICAN STANDARD NO. 0124.024, VITREOUS CHINA, WALL MOUNTED WITH NO. 2000.101 FAUCET AND WATTS MODEL LFUSG-B MIXING VALVE SET TO 110 DEG F. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
- P2 ELECTRIC WATER COOLER: ELKAY MODEL EZ5dwlk, WALL MOUNTED, BARRIER FREE WITH FRONT PUSH BAR AND BOTTLE FILLER. 115 V, 1 PH, 4.8 FLA, 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW.
- P3 SERVICE SINK: FIAT MODEL MSB-2424, MOLDED STONE WITH INTEGRAL OUTLET STRAINER AND #830-AA WALL MOUNTED FAUCET. 3" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
- P4 SINK: 2 COMPARTMENT SINK SUPPLIED BY OWNER. VERIFY ALL CONNECTIONS AND INSTALLATION REQUIREMENTS. 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
- P5 SINK: 3 COMPARTMENT SINK SUPPLIED BY OWNER. VERIFY ALL CONNECTIONS AND INSTALLATION REQUIREMENTS. 1 1/2" WASTE LINE TO FS, 1/2" CW, 1/2" HW.
- P6 GREASE INTERCEPTOR: SCHIER MODEL GB-2, POLYSTYRENE CONSTRUCTION WITH AIR TIGHT COVER AND INTEGRAL FLOW CONTROL FITTING. UNIT SHALL BE RATED AT 35 GPM AND A GREASE CAPACITY OF 130 LB. 3" INLET, 3" OUTLET, 2" VENT.
- P7 WASHER CONNECTION: GUY GRAY TT200 WITH WALL FLANGE AND 1/4 TURN SHUT-OFF VALVES. 2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW.
- P8 SINK: RINSE SINK SUPPLIED BY OWNER WITH ADVANCE TABCO DTA-53 SPLASH MOUNTED, PRE-RINSE FAUCET AND 3/4 HP GARBAGE DISPOSAL. 115 V, 1 PH, 3/4 HP, 1 1/2" WASTE, 1 1/2" VENT.

NOTE: ALL FIXTURES SHALL BE APPROVED BY OWNER PRIOR TO SUBMITTING BID OR BEGINNING CONSTRUCTION.

- SPECIFIC NOTES
- 1 EXISTING CW IN CEILING SPACE. VERIFY SIZE AND LOCATION.
  - 2 CONNECT NEW 1" CW TO EXISTING WATER LINE WITH SHUT-OFF VALVE.
  - 3 EXISTING WATER HEATER. VERIFY LOCATION AND ALL CONNECTIONS. SEE WATER HEATER INSTALLATION DETAIL.
  - 4 SEE WATER HEATER INSTALLATION DETAIL.
  - 5 3/4" HWR TO EXISTING WATER HEATER CW SUPPLY. SEE WATER HEATER INSTALLATION DETAIL.
  - 6 1/2" CW AND 1/2" HW DOWN IN WALL TO FIXTURE AND CONNECT.
  - 7 1/2" CW AND 1/2" HW DOWN IN WALL, ROUTE TO FIXTURE AS SHOWN AND CONNECT.
  - 8 1/2" CW DOWN IN WALL, ROUTE TO FIXTURES AS SHOWN AND CONNECT.
  - 9 1/2" HW DOWN IN WALL TO FIXTURE AND CONNECT.
  - 10 1/2" CW STUB-OUT WITH SHUT-OFF VALVE FOR CONNECTION TO ICE MAKER.
  - 11 3/4" HW DOWN IN WALL AND CONNECT TO DISHWASHER WITH SHUT-OFF VALVE.
  - 12 ROUTE NEW 1" GAS LINE TO EXISTING GAS LINE AND CONNECT. VERIFY SIZE, LOCATION AND PRESSURE. MINIMUM PRESSURE TO BE 2 PSI. VERIFY PRIOR TO SUBMITTING BID OR BEGINNING CONSTRUCTION.
  - 13 1" GAS LINE UP TO ABOVE ROOF AND ROUTE AS SHOWN.
  - 14 APPROXIMATELY 50'. VERIFY.
  - 15 GAS LINE TO HVAC UNIT WITH SHUT-OFF VALVE, PRESSURE REGULATOR, SEDIMENT TRAP AND FLEX CONNECTION.
  - 16 GAS PRESSURE REGULATOR WITH SHUT-OFF VALVE ABOVE ROOF. SIZE UNIT FOR A TOTAL CONNECTION LOAD OF 970,000 BTUH WITH A MINIMUM OUTLET PRESSURE OF 7" W.C.
  - 17 2" GAS LINE DOWN THRU ROOF AND ROUTE AS SHOWN IN CEILING SPACE.
  - 18 SOLENOID SHUT-OFF VALVE IN CEILING SPACE. COORDINATE INSTALLATION WITH HOOD FIRE PROTECTION SYSTEM.
  - 19 2" GAS LINE DOWN IN WALL AND ROUTE AS SHOWN AT 6" AFF. INSTALL SEDIMENT TRAP AT BOTTOM OF DROP.
  - 20 GAS STUB-OUT WITH SHUT-OFF VALVE FOR CONNECTION TO EQUIPMENT SUPPLIED BY OWNER. VERIFY SIZE AND LOCATION.
- NOTE: VERIFY CAPACITY OF EXISTING GAS METER. REPLACE METER IF REQUIRED FOR AND ADDITIONAL LOAD OF 300,000 BTUH. VERIFY PRIOR TO SUBMITTING BID OR BEGINNING CONSTRUCTION.



WATER & GAS PIPING PLAN  
SCALE: 1/4" = 1'-0"

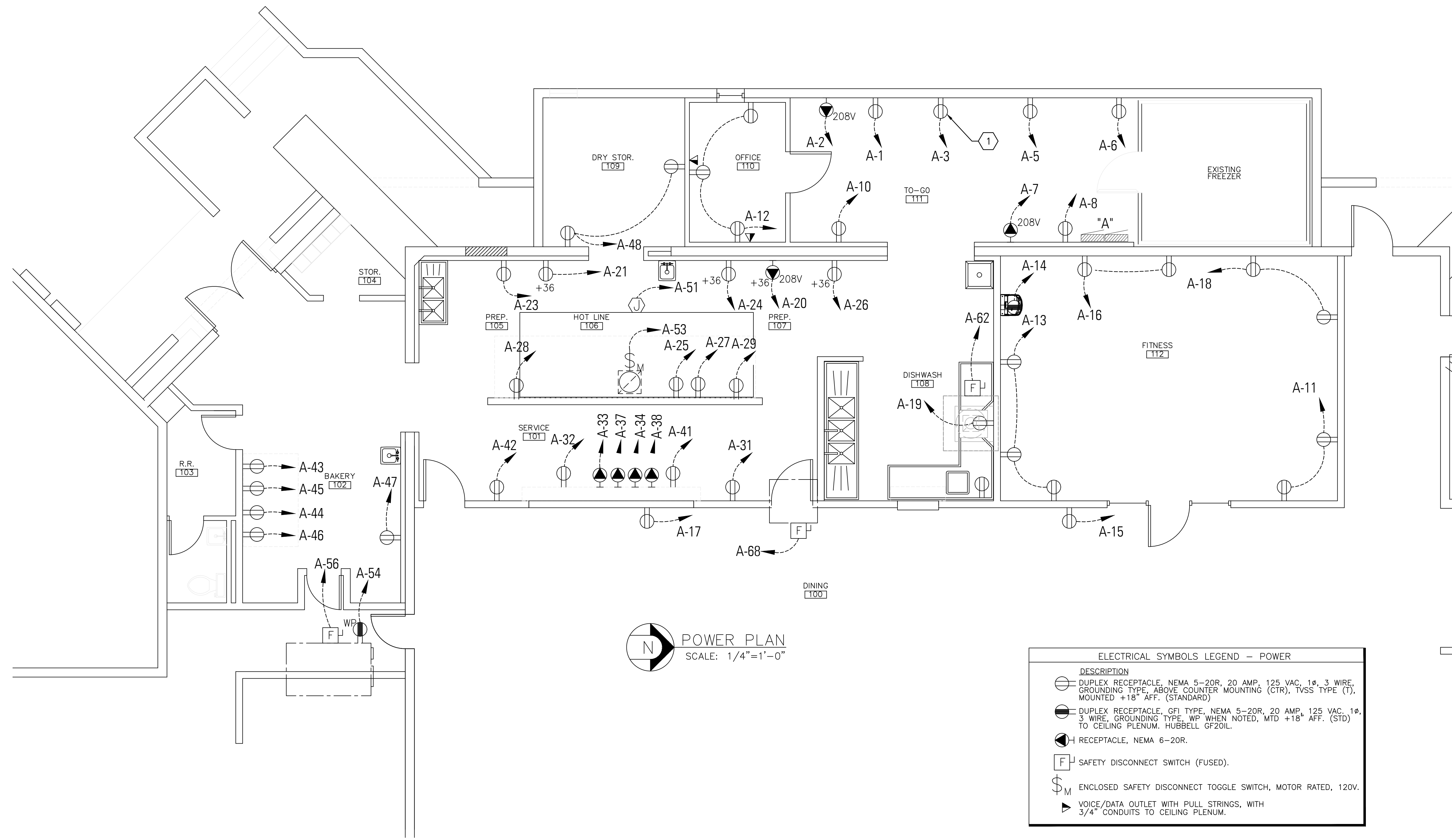
		<b>RODAHL &amp; HUMMELL ARCHITECTURE, P.C.</b> 609 North Dustin Farmington, NM 87401 Phone: (505) 326-6442	
<b>AZTEC SENIOR CENTER RENOVATION</b> AZTEC, NM		Filename: Project: 220310 Sheet: <b>P1.2</b>	
Drawn: TLW	Checked: TLW	Date: 06.22.22	

**GENERAL NOTES**

- A. ALL ELECTRICAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING PLANS, AND ASSOCIATED NOTES. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE NEC, STATE AND CITY ELECTRICAL CODES, AND MUST BE EXECUTED IN A WORKMANLIKE MANNER.
- B. ALL GENERAL POWER BRANCH CIRCUITS WILL BE SIZED 1/2" C, 2-#12, 1-#12 GRND MINIMUM. NOTE: PROVIDE DEDICATED NEUTRAL FOR EACH BRANCH CIRCUIT HOMERUN.

**KEYNOTES**

- 1 TYPICAL - REFERENCE ARCHITECTURAL DRAWING FOR KITCHEN EQUIPMENT LAYOUT AND DESCRIPTIONS. COORDINATE POWER RECEPTACLE LOCATIONS WITH KITCHEN EQUIPMENT PRIOR TO ANY CONSTRUCTION.



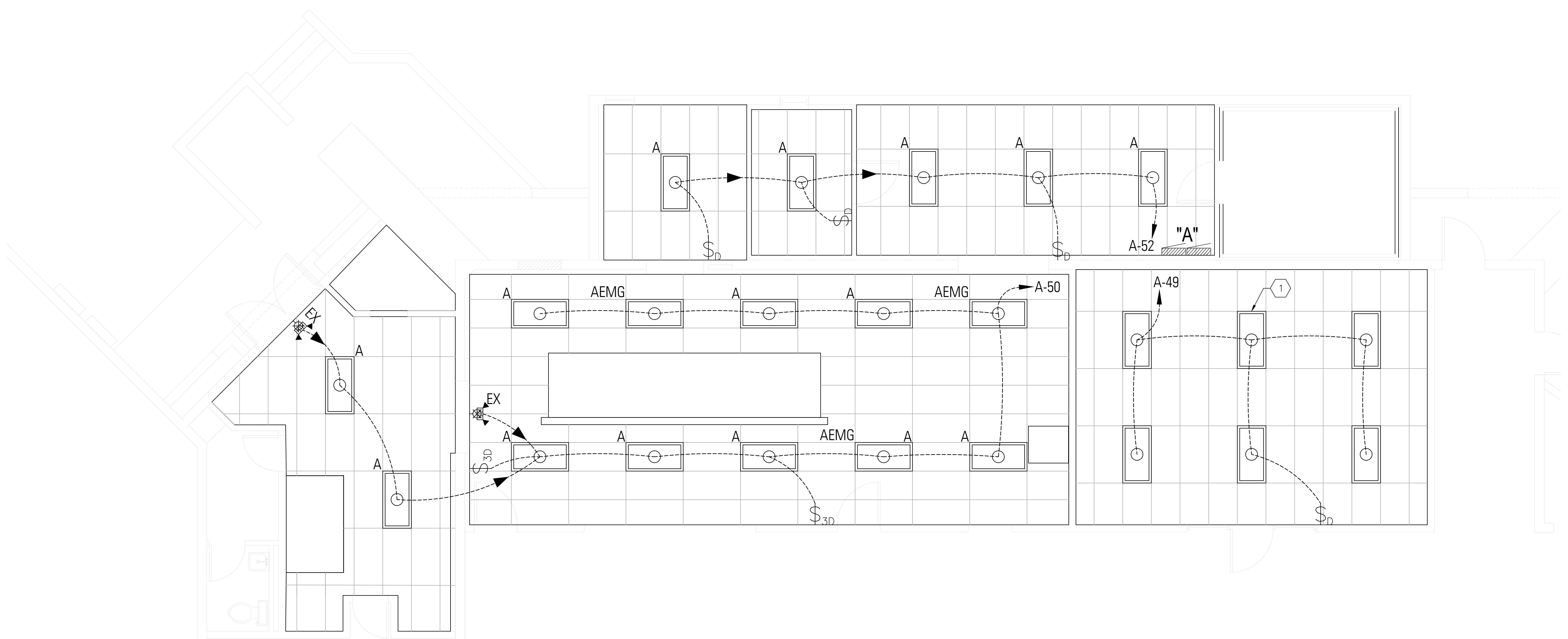
**POWER PLAN**  
SCALE: 1/4"=1'-0"

ELECTRICAL SYMBOLS LEGEND -- POWER	
DESCRIPTION	
	DUPLEX RECEPTACLE, NEMA 5-20R, 20 AMP, 125 VAC, 1Ø, 3 WIRE, GROUNDING TYPE, ABOVE COUNTER MOUNTING (CTR), TVSS TYPE (T), MOUNTED +18" AFF. (STANDARD)
	DUPLEX RECEPTACLE, GFI TYPE, NEMA 5-20R, 20 AMP, 125 VAC, 1Ø, 3 WIRE, GROUNDING TYPE, WP WHEN NOTED, MTD +18" AFF. (STD) TO CEILING PLENUM. HUBBELL GF20L.
	RECEPTACLE, NEMA 6-20R.
	SAFETY DISCONNECT SWITCH (FUSED).
	ENCLOSED SAFETY DISCONNECT TOGGLE SWITCH, MOTOR RATED, 120V.
	VOICE/DATA OUTLET WITH PULL STRINGS, WITH 3/4" CONDUITS TO CEILING PLENUM.



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POWER PLAN		Sheet: E1
Drawn: DV	Checked: DV	Date: 10.5.22



N LIGHTING PLAN  
SCALE: 1/4"=1'-0"

ELECTRICAL SYMBOLS LEGEND-LIGHTING	
DESCRIPTION	
\$	SINGLE POLE TOGGLE SWITCH, 20 AMP, 120/277 VAC, MOUNTED +48" AFF. HUBBELL #1221-1 OR EQUIVALENT. "K" DESIGNATES KEY OPERATED & "D" DESIGNATES DIMMER SWITCH.
\$ <sub>3</sub>	3-WAY TOGGLE SWITCH, 20 AMP, 120/277 VAC, MOUNTED +48" AFF. HUBBELL #1223-1 OR EQUIVALENT.

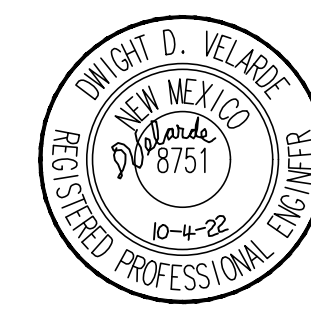
LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MANUFACTURER	MODEL_NO.	LAMPS	MOUNTING
A	2X4 LED FIXTURE	COLUMBIA	LCAT24-40LWG-EDU	LED 4000K, 36W	RECESSED/CEILING
AEMG	2X4 LED FIXTURE	COLUMBIA	LCAT24-40LWG-EDU-ELL14	LED 4000K, 36W	RECESSED/CEILING
EX	EXIT/EMERG COMBO, LED	DUAL LITE	LT-U-R-W	(2) 5W HALOGEN	SURFACE/WALL

**GENERAL NOTES**

- A. ALL ELECTRICAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING PLANS, AND ASSOCIATED NOTES. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE NEC, STATE AND CITY ELECTRICAL CODES, AND MUST BE EXECUTED IN A WORKMANLIKE MANNER.
- B. ALL GENERAL POWER BRANCH CIRCUITS WILL BE SIZED 1/2"C, 2-#12, 1-#12 GRND MINIMUM. NOTE: PROVIDE DEDICATED NEUTRAL FOR EACH BRANCH CIRCUIT HOMERUN.

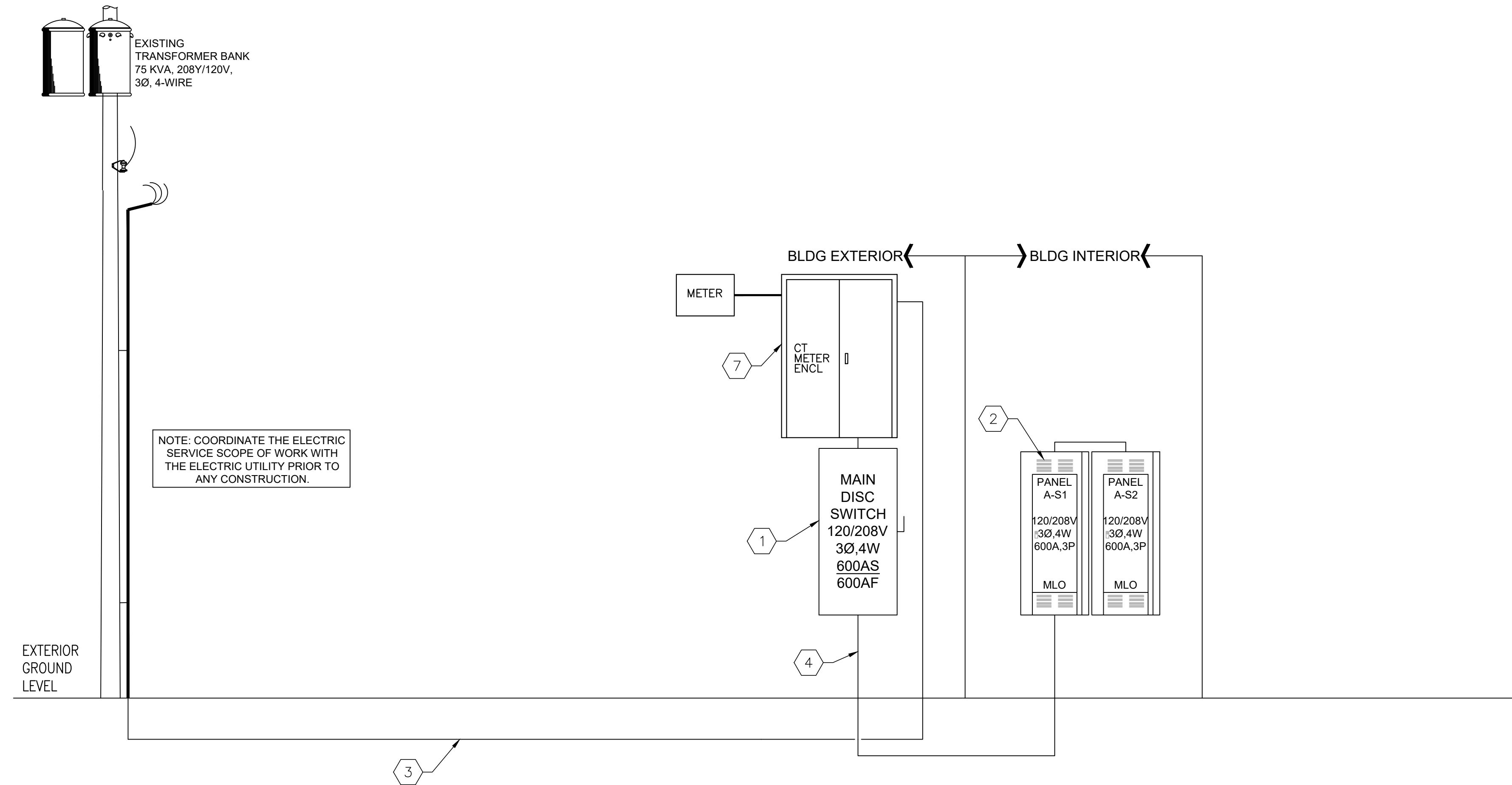
**KEYNOTES**

- ① REINSTALL EXISTING 2X4 LIGHT FIXTURES IN THIS ROOM. INSTALL

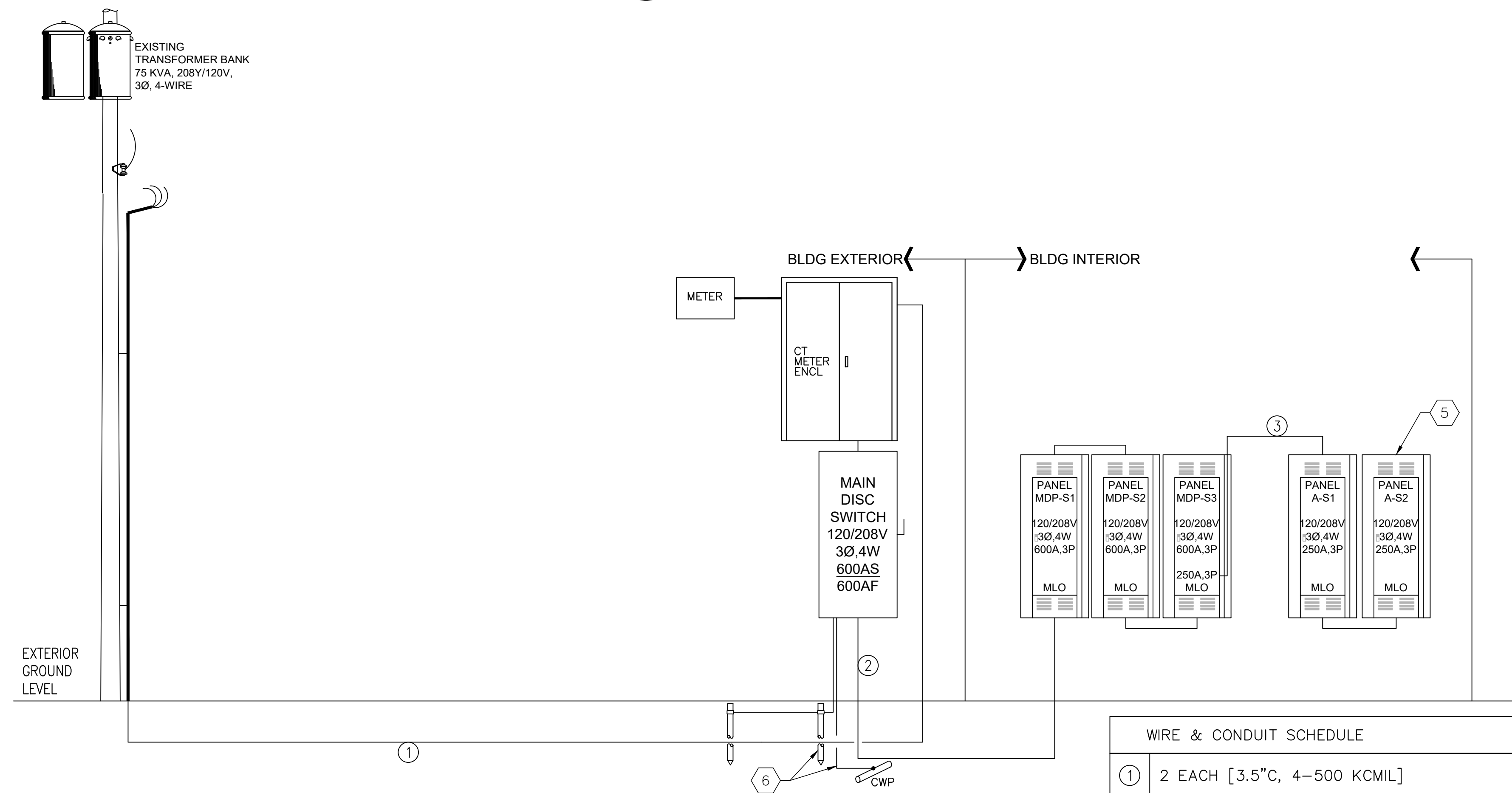


**R&H** ARCHITECTURE  
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 609 North Dustin  
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AZTEC SENIOR CENTER RENOVATION  
 AZTEC, NM  
 LIGHTING PLAN  
 Drawn: DV Checked: DV Date: 10.5.22  
 Project: 220310  
 Sheet: E2  
 Filename:



1  
E3.0 EXISTING POWER RISER  
SCALE: NTS



1  
E3.0 NEW POWER RISER  
SCALE: NTS

WIRE & CONDUIT SCHEDULE		CU/AL
①	2 EACH [3.5"C, 4-500 KCML]	AL XHHW
②	2 EACH [3.5"C, 4-500 KCML, 1-#2/0 GRND]	AL XHHW
③	[3"C, 4-350 KCML, 1-#2 GRND]	AL XHHW

NOTE: FOR FEEDERS 1 AND 2 REUSE EXISTING 3.5" CONDUIT. COPPER EQUIVALENT FEEDERS ARE ACCEPTABLE AS NOTED ON KEYED NOTES.



**KEYNOTES**

- ① REPLACE 600A MAIN FUSED DISCONNECT SWITCH (HEAVY DUTY TYPE, SERVICE ENTRANCE RATED).
- ② REPLACE 600A 2-SECTION PANEL A WITH A 600A 3-SECTION PANEL MDP SHOWN BELOW. TRACE (ASBUILT) CIRCUITS THAT ARE USED IN PANEL A AND FIELD VERIFY BREAKER RATINGS PRIOR TO PLACING ORDER. PROVIDE CIRCUIT BREAKERS FOR USED CIRCUITS IN NEW PANEL MDP, AND IDENTIFY IN NEW PANEL DIRECTORY. PROVIDE NEW UNISTRUT ASSEMBLY TO SUPPORT NEW 3-SECTION PANEL MDP.
- ③ REPLACE IN EXISTING 3.5" CONDUIT: 2 EACH [4-500 KCML] AL CONDUCTORS WITH LIKE 2 EACH [4-500 KCML] AL XHHW CONDUCTORS, OR 2 EACH [4-350 KCML] CU THHN/THWN CONDUCTORS.
- ④ REPLACE IN EXISTING 3.5" CONDUIT: 2 EACH [4-500 KCML] AL CONDUCTORS WITH LIKE 2 EACH [4-500 KCML, 1-#2/0 GRND] AL XHHW CONDUCTORS, OR 2 EACH [4-350 KCML, 1-#1 GRND] CU THHN/THWN CONDUCTORS.
- ⑤ NEW PANELS AS1/AS2 FOR KITCHEN RENOVATION.
- ⑥ GROUNDING ASSEMBLY - TWO 3/4"x10' GROUND RODS SPACED 10' APART AND INTERCONNECTED TO THE MAIN DISCONNECT SWITCH GROUND BUS WITH #1/0 CU. CONNECT #1/0 CU TO UFER.
- ⑦ EXISTING CT ENCLOSURE TO REMAIN.

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**AZTEC SENIOR CENTER RENOVATION**  
AZTEC, NM

POWER RISERS

Drawn: DV    Checked: DV    Date: 10.5.22

Filename:    Project: 220310    Sheet: E3

**KEYNOTES**

1 REFERENCE SHEET E3, KEYED NOTE 2, FOR PANEL A REPLACEMENT WITH PANEL MDP.

1

PANEL: PANEL MDP DC DEVICE TYPE: Breaker ENCLASURE: NEMA 1 MAINS(A): MLD CONTINUOUS(A): 600  
 LOCATION: INTERIOR DEVICE FAMILY: Bolt Dn MOUNTING: Surface WIRING: 3-Phase 4-Wire BUS SC RATING(A): 22000  
 FED FROM: MAIN DISC SW VOLTAGE: 208/120 FAULT CURRENT(A): 8914

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE A	LOADS B	VA C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
20 1		EXISTING	GEN	0 1		0			2	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 3			0		4	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 5					6	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 7		0			8	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 9			0		10	0	GEN	EXISTING		20 1
20 2		EXISTING 2P	GEN	0 11			0		12	0	GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 13		0			14		GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 15			0		16	0	GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 17					18		GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 19		0			20	0	GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 21					22		GEN	EXISTING 2P		20 2
20 1		EXISTING	GEN	0 23			0		24	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 25		0			26	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 27			0		28	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 29				0	30	0	GEN	EXISTING		20 1
20 2		EXISTING 2P	GEN	0 31		0			32	0	GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 33			0		34	0	GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 35				0	36	0	GEN	EXISTING 2P		20 2
20 1		EXISTING	GEN	0 37		0			38	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 39			0		40	0	GEN	EXISTING		20 1
30 1		EXISTING	GEN	0 41				0	42	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 43		0			44	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 45			0		46	0	GEN	EXISTING		20 1
100 3		EXISTING 3P	GEN	0 47				0	48	0	GEN	EXISTING 3P		100 3
20 2		EXISTING SHUNT TRIP	GEN	0 49		0			50		GEN	EXISTING SHUNT TRIP		20 2
20 2		EXISTING 2P	GEN	0 51			0		52	0	GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 53		0			54	0	GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 55				0	56		GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 57		0			58	0	GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 59				0	60		GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 61		0			62	0	GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 63				0	64		GEN	EXISTING 2P		20 2
20 2		EXISTING 2P	GEN	0 65				0	66		GEN	EXISTING 2P		20 2
20 1		EXISTING	GEN	0 67		0			68	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 69			0		70	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 71				0	72	0	GEN	EXISTING		20 1
30 1		EXISTING	GEN	0 73		0			74	0	GEN	EXISTING		20 1
20 1		EXISTING	GEN	0 75				0	76	0	GEN	EXISTING		20 2
100 3		EXISTING 3P	GEN	0 77				0	78		GEN	EXISTING 3P		100 3
250 3		PANEL A	NONE	63319		21976			121		GEN	PANEL A		250 3
									123					
									124					
									125					
									126					
									18872					

ALL CONNECTED	KVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA
TOTAL CONNECTED	63.32	187.8	* A-N	21976.0	183.0	CONNECTED	63.32
TOTAL DEMAND	63.32	187.8	* B-N	22551.1	187.8	DEMAND	63.32
TOTAL DESIGN	71.94	218.7	* C-N	18871.8	157.1	DESIGN	71.94

PANEL: PANEL A DC DEVICE TYPE: Breaker ENCLASURE: NEMA 1 MAINS(A): MLD CONTINUOUS(A): 250  
 LOCATION: KITCHEN DEVICE FAMILY: Bolt Dn MOUNTING: Surface WIRING: 3-Phase 4-Wire BUS SC RATING(A): 10000  
 FED FROM: PANEL MDP VOLTAGE: 208/120 FAULT CURRENT(A): 6646

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE A	LOADS B	VA C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
20 1		ITEM 14 - WASHER	MOTDR L	1200	1	3534			2	5000	HEAT	ITEM 15 - DRYER		30 2
20 1		ITEM 17 - FREEZER	MOTDR L	961	3		3319		4					
20 1		ITEM 16 - FREEZER	MOTDR L	961	5			1921	6	961	MOTDR L	ITEM 18 - FREEZER		20 1
20 2		ITEM 13 - ICE MACHIN	MOTDR L	1830	7	1087			8	180	REC	KITCHEN GEN PWR		20 1
20 1		EXISTING							10	180	REC	KITCHEN GEN PWR		20 1
20 2		EXISTING 2P							12	900	OFF EQ	OFFICE 110 WORKSTA		20 1
20 1		FITNESS 112 GEN PWR	GEN	360	11			1259	14	600	MOTDR L	ELEC WATER FTN		20 1
20 1		FITNESS 112 GEN PWR	GEN	540	13	1135			16	360	GEN	FITNESS 112 GEN PWR		20 1
20 1		DINING 100 GEN PWR	REC	180	15		539		18	360	GEN	FITNESS 112 GEN PWR		20 1
20 1		DINING 100 GEN PWR	REC	180	17			539	20	2200	HEAT	ITEM 7 - STEAMER		20 2
20 1		ITEM 8 - DISHWASHER	MOTDR L	1200	19	2182			22					
20 1		PREP 105 - APPLIANCE	HEAT	900	21		2000		24	900	HEAT	PREP 107 - APPLIANCE		20 1
20 1		PREP 105 - APPLIANCE	HEAT	900	23			1800	26	900	HEAT	PREP 107 - APPLIANCE		20 1
20 1		ITEM 5 - GAS CONVEN	HEAT	961	25	1861			28	1200	HEAT	ITEM 6 MICROWAVE		20 1
20 1		ITEM 5 - GAS CONVEN	HEAT	961	27		2161		30	500	MOTDR L	ITEM 28 - UNDERC REF		20 1
20 1		HOT LINE 106 GEN PWR	HEAT	900	29			1334	32	452	GEN	ITEM 1 - COLD WELL		20 1
20 1		SERVICE 101 APPLIANC	HEAT	900	31	1321			34	2995	HEAT	ITEM 2 - HDT WELL 3		20 2
20 2		ITEM 2 - HDT WELL 1	HEAT	2995	33			2995	36					
20 1		EXISTING							38					
20 1		EXISTING							40					
20 2		ITEM 2 - HDT WELL 2	HEAT	2995	37	2995			44	2995	HEAT	ITEM 2 - HDT WELL 4		20 2
20 1		EXISTING							46					
20 1		SERVICE 101 GEN PWR	HEAT	900	41			1800	44	900	HEAT	SERVICE 101 APPLIANC		20 1
20 1		ITEM 5 - GAS CONVEC	HEAT	961	43	1921			46	961	HEAT	ITEM 5 - GAS CONVEC		20 1
20 1		ITEM 5 - GAS CONVEC	HEAT	961	45		1921		48	360	REC	DRY STORAGE 109 PWR		20 1
20 1		BAKERY 102 APPLIANCE	HEAT	900	47			1247	50	528	LTS	LIGHTING		20 1
20 1		EXISTING LIGHTING	LTS	360	49	888			52	220	LTS	LIGHTING		20 1
20 1		EXHAUST HOOD	LTS	400	51		620		54	180	REC	HVAC MAINT PWR		20 1
20 1		EXHAUST FAN	MOTDR L	828	53			1000	54	11529	MOTDR L	RDDF TOP UNIT		40 3
20 1		EXISTING							56					
20 1		EXISTING							58					
20 1		EXISTING							60					
20 1		EXISTING							62					
20 2		EXISTING 2P							64					
20 2		EXISTING 2P							66					
20 2		EXISTING 2P							68					
20 1		EXISTING							70					
20 1		EXISTING							72					
20 1		EXISTING							74					
20 2		EXISTING 2P							76					
100 3		EXISTING 3P							78					
20 2		EXISTING 2P							80					
20 2		EXISTING 2P							82					
20 2		EXISTING 2P							84					

ALL CONNECTED	KVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	KVA
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AZTEC SENIOR CENTER  
 RENOVATION  
 AZTEC, NM  
 POWER RISER, PANEL SCHED

Filename:  
 Project:  
 220310  
 Sheet:  
 E4

Drawn: DV  
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