

DEMOLITION PLAN

1/8" = 1'-0"

DEMOLITION PLAN KEY NOTES

NOTE: DEMO ALL EXISTING CARPETING AND RESILIENT FLOORING.

- 1 DEMO DOOR. SALVAGE ALL HARDWARE/FRAMES FOR POTENTIAL REUSE.
- 2 DEMO FLOOR OUTLET AND SAFE OFF THE ELECTRICAL (TYPICAL OF ALL FLOOR OUTLETS).
- 3 DEMO FRAMELESS GLASS. PLACE IN ATTIC STOCK, OR DISCARD, PER BUILDING OWNERSHIP DIRECTION.

APPROVED
By David Norton at 5:06 pm, Mar 24, 2022

Deferred Submittals:
Fire Alarms
Fire Sprinklers

DOOR SCHEDULE

NOTE: ALL HARDWARE SHALL SATIN CHROME (VERIFY), TO MATCH EXISTING.

NOTE: NEW INTERIORS DOORS, AS REQUIRED, SHALL MATCH EXISTING (SIZE, STAIN, FRAME, HARDWARE).

NOTE: NEW DOORS DO NOT NEED TO HAVE SELF-CLOSING HINGES.

- (A) SUITE ENTRY DOORS**
- * 3'-0" X 7'-0" TEMPERED GLASS STOREFRONT DOOR WITH 10" TRANSOM GLASS ABOVE, IN CLEAR ANODIZED ALUMINUM STOREFRONT FRAME.
 - * KEYS THUMBTURN/DEADBOLT
 - * INTERIOR MOUNTED SELF-CLOSER
 - * (1-1/2) PAIR 4-1/2" X 4-1/2" 5-KNUCKLE HINGES
- (B) SUITE INTERIOR DOORS**
- * 3'-0" X 7'-0" X 1-3/4" SOLID CORE, FLAIN SLICED WHITE BIRCH VENEER DOOR (BY HALEY BROS. 'OXFORD' STAIN).
 - * SNAP-TOGETHER METAL FRAME - TIMELY, PREFINISHED 'BROWN-TONE'
 - * LARGE ANGLED RETURN LEVER HANDLE (3-1/2" ROSETTE) HARDWARE, STANDARD STRIKE
 - * (1-1/2) PAIR 4-1/2" X 4-1/2" 5-KNUCKLE SELF-CLOSING HINGES
 - * CONCAVE RUBBER WALL STOP (2-1/4" dia.; US 26D FINISH, LIGHT GRAY RUBBER)
- (B.1) B' DOOR WITH PASSAGE FUNCTION LATCHSET**
- (B.2) B' DOOR WITH ENTRY LOCK FUNCTION LOCKSET**
- (B.3) B' DOOR WITH PRIVACY LOCK FUNCTION LOCKSET**
- (B.4) B' DOOR WITH HIGH ENTRY LOCK FUNCTION LOCKSET, AND INSIDE MOUNT ADA COMPLIANT SELF-CLOSER.**

NOTE: VERIFY LOCKING REQUIREMENTS WITH TENANT.

FINISH SCHEDULE

NOTE: VERIFY ALL FINISHES AND USAGE WITH TENANT, PRIOR TO ORDERING MATERIALS.

FLOORING, THROUGHOUT ALL AREAS OF THE SUITE (EXCEPT EXISTING BREAK RM AND RESTROOM CERAMIC TILE), SHALL BE: 1/4" J FUSION V5006, COLOR: 1050 UNIQ, 4X4@, 12ml WEAR LAYER, 2.5mm UNINSTALL PER MANUFACTURER'S INTRODUCTIONS / ADHESIVE. INSTALL RUNNING EAST/WEST, WITH 1/8" OFFSET SEAMS.

RUBBER BASE, AT LVT, SHALL BE NEW 4" RUBBER COVE BASE.
ALL GYPSUM BOARD SHALL BE TEXTURED TO MATCH EXISTING (SMOOTH FINISHED) AND PAINTED, WITH TWO COATS, LOW SHEEN ACRYLIC PAINT, UNLESS NOTED OTHERWISE. GYPSUM BOARD RECEIVING WALL COVERING (IF ANY) SHALL BE LEFT UNTEXTURED AND UNPAINTED, AND SHALL BE SIZED AND SEALED AS PER WALL COVERING MANUFACTURER'S SPECIFICATIONS. RESTROOMS SHALL RECEIVE SEMI-GLOSS PAINT.

PAINT, THROUGHOUT ALL AREAS, UNLESS NOTED OTHERWISE, SHALL BE: DUNN EDWARDS 'SUPREMA', #DEK 341 SWISS COFFEE.

ACCENT PAINT: TO BE SUPPLIED BY CLIENT

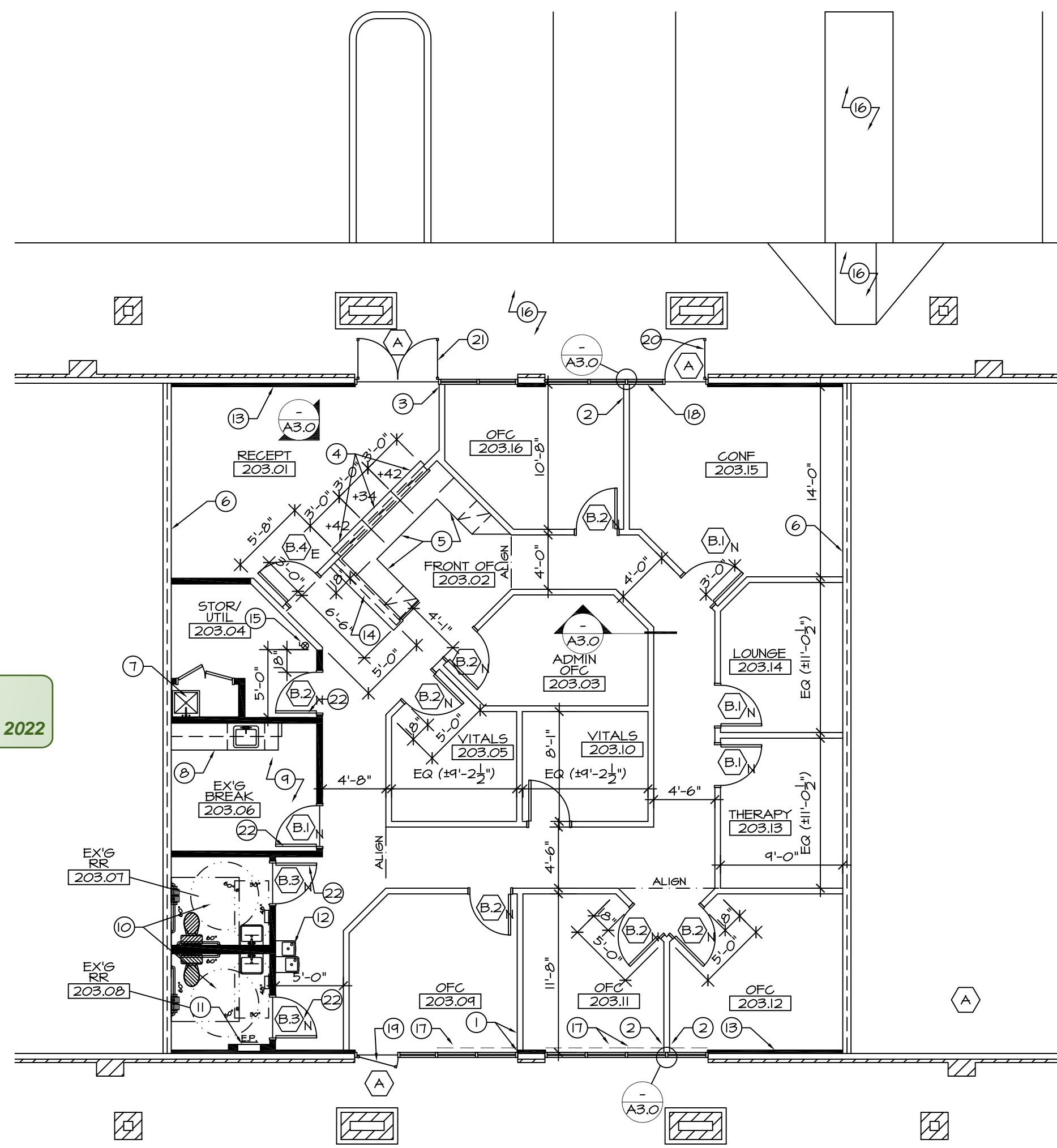
PLASTIC LAMINATE #1 (COUNTERTOPS) SHALL BE: WILSONART 'CALCUTTA MARBLE' #4425K-01

PLASTIC LAMINATE #2 (CABINET EXTERIORS) SHALL BE:
FRONT OFFICE: WILSONART #D96-60 SHADOW
BREAK ROOM: WILSONART 'D421-60 LINEN

NEW RESTROOMS: CERAMIC FLOOR TILE SHALL BE: DAL TILE 'MAGISA' #1041 HAZE, LIGHT POLISHED, 12X24, FULL-TILE TO START AT THE SINK CORNER AND RUN NORTH/SOUTH.

NEW RESTROOMS: CERAMIC WALL TILE (FULL HEIGHT ON FIXTURE HEAD WALL, TO 5ft ON OTHER 3 WALLS) SHALL BE: DAL TILE 'COLOR STORY' WALL, #0052 STABLE MATTE FINISH, 4ft X 12ft, STACKED JOINTS, TO ALIGN WITH FLOOR JOINTS ON NORTH AND SOUTH WALLS, EXTENDING AROUND ON EAST AND WEST WALLS.

GROUT (WALLS AND FLOOR) SHALL BE: MAPEL RICS DRIETWOOD



FLOOR PLAN

1/8" = 1'-0"

FLOOR PLAN KEY NOTES

NOTE: PATCH GYPSUMBOARD AS REQUIRED AT DEMO'D AREAS.

NOTE: ALL GYPSUMBOARD SHALL BE SMOOTH FINISHED, TO MATCH EXISTING.

- 1 ALIGN FINISHED FACE OF NEW PARTITION WITH FINISHED FACE OF EXISTING CONSTRUCTION.
- 2 NEW PARTITION, CENTERED ON THE MULLION.
- 3 HOLD FINISHED FACE OF NEW PARTITION 3" BACK FROM INSIDE EDGE OF DOOR MULLION.
- 4 GYPSUMBOARD WRAPPED OPENINGS TO DOOR HEIGHT, WITH 12" d. COUNTERS AT 34" AND 42", WITH SLIDING GLASS WINDOWS.
- 5 24" d. COUNTERS AT 30" WITH BOX/BOX/FILE PEDESTALS.
- 6 EXISTING DEMISING PARTITION WITH FINISHED GYPSUMBOARD THIS TENANT SIDE.
- 7 EXISTING LAUNDRY TUB AND 4ft. FRP ALL WALLS OF UTILITY CLOSET.
- 8 EXISTING BASE AND UPPER CABINETS (W/HT) WITH ADA ACCESS SINK, MICROWAVE SHELF AND REFRIGERATOR.
- 9 EXISTING CERAMIC TILE FLOORING TO REMAIN.
- 10 EXISTING RESTROOM WITH ADA FIXTURES, ACCESSORIES AND CLEARANCES, AND EXISTING CERAMIC TILE FLOORING TO REMAIN.
- 11 EXISTING ELECTRICAL PANEL.
- 12 EXISTING H/L/W ELECTRIC DRINKING FOUNTAIN.
- 13 EXISTING FURRING - TYPICAL AT ALL EXTERIOR WALLS.
- 14 LOW PARTITION WITH 12" d. COUNTER AT 42".
- 15 RELOCATED 2A.10BC RATED FIRE EXTINGUISHER (15' 75" TRAVEL DISTANCE FROM ALL AREAS). MOUNT WITH TOP OF HANDLE AT 44" MAX.
- 16 EXISTING SIDEWALK/LANDINGS, FLUSH TO INTERIOR FLOOR. FLAT SIDEWALK OUT TO FLAT SIDEWALK, ALONG PARKING STALLS, WITH CURB CUT AND ADA PARKING STALLS.
- 17 EXISTING 2-WINDOW WIDE OUTSIDE MOUNT BLACK MESH ROLLER SHADES. DEMO AND PROVIDE NEW ROLLER SHADES, PER NEW WALL LAYOUT. REUSE ONE SHADE AT WEST END.
- 18 PROVIDE INSIDE MOUNT 'BRUSHED ALUMINUM' MINI-BLINDS (1" WINDOWS/DOORS AND 1" TRANSOM GLASS) AT ALL NORTH EXTERIOR STOREFRONT GLASS. PROVIDE BOTTOM HOLD DOWN BRACKETS ON DOORS.
- 19 EXISTING STOREFRONT ENTRY DOOR WITH INTERIOR PANIC HARDWARE & EXTERIOR OFFSET 'D' PULL, TO REMAIN (NOT INTENDED AS AN EXIT DOOR).
- 20 EXISTING STOREFRONT ENTRY DOOR WITH INTERIOR PUSH RAIL HARDWARE & EXTERIOR 4X12 PULL, TO REMAIN.
- 21 EXISTING PAIR OF STOREFRONT ENTRY DOORS WITH INTERIOR PANIC DEVICES AND EXTERIOR 4 X 12 PULLS, TO REMAIN.
- 22 REPLACE EXISTING DOOR, INTO EXISTING FRAME.

PRICING ALTERNATE

PROVIDE DEDUCT PRICE TO LEAVE/REUSE EXISTING 3'-0" X 7'-0" X 1-3/4" HOLLOW CORE, ROTARY SLICED BIRCH VENEER DOORS (STAINED 'CLEAR' (?) - VERIFY), IN SNAP-TOGETHER METAL FRAME - TIMELY, PREFINISHED 'BROWN-TONE'; WITH NEW DOORS TO MATCH, AS NEEDED.

CODE INFORMATION

PROJECT DESCRIPTION: REMODEL OF EXISTING OFFICE SPACE INTO COUNSELING CTR
 ADDRESS: 13331 W. INDIAN SCHOOL RD.
 SUITE NUMBER: #B-203
 SUITE AREA: 2535 SF (GROSS)
 OCCUPANT LOAD: 17
 REQUIRED EXITS: 1
 PROVIDED EXITS: 1
 OCCUPANCY TYPE: 'B'
 CONSTRUCTION TYPE: V-N FULLY SPRINKLERED
 ZONING: -
 FIRE SPRINKLERS: YES
 FIRE ALARMS: YES
 EMERGENCY LIGHTING: YES
 NUMBER OF STORIES: 1
 AGE OF BUILDING: BUILT IN -

** NOTE: THIS BUILDING IS A LITCHFIELD PARK STREET ADDRESS, BUT IS IN THE CITY OF AVONDALE'S JURISDICTION.

CITY OF AVONDALE BUILDING CODES (+ CITY AMENDMENTS)

- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL EXISTING BUILDING CODE
- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL PLUMBING CODE
- 2018 INTERNATIONAL FUEL GAS CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE
- 2017 NATIONAL ELECTRICAL CODE
- 2018 INTERNATIONAL FIRE CODE

SEISMIC ZONE: ZONE 1

ALL PRODUCTS LISTED BY I.C.C./N.E.R. NUMBER(S) SHALL BE INSTALLED PER THE REPORT AND MANUFACTURER'S WRITTEN INSTRUCTIONS. PRODUCT SUBSTITUTION(S) FOR PRODUCT(S) LISTED SHALL ALSO HAVE I.C.C. APPROVED EVALUATION REPORT(S) OR BE APPROVED AND LISTED BY OTHER NATIONALLY RECOGNIZED TESTING AGENCIES.

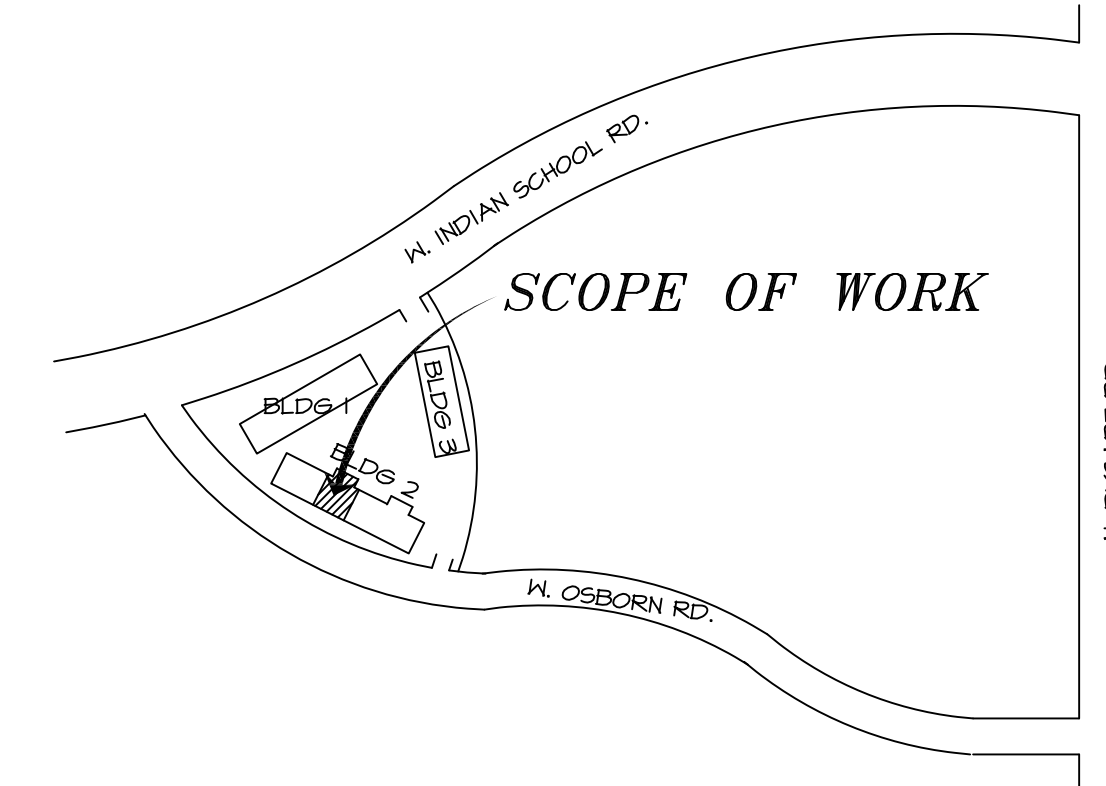
FIRE SPRINKLER SYSTEM AND/OR FIRE ALARM SYSTEM INSTALLATION/MODIFICATIONS (IF APPLICABLE) APPROVALS ARE NOT INCLUDED UNDER THIS PERMIT. BEFORE COMMENCING ANY WORK ON THE FIRE SPRINKLER SYSTEM OR FIRE ALARM SYSTEM, PLANS MUST BE SUBMITTED AND APPROVED BY THE BUILDING SAFETY DIVISION. THE SYSTEM MUST BE INSPECTED AND APPROVED BY BUILDING SAFETY INSPECTION PRIOR TO A CERTIFICATE OF OCCUPANCY.

FLOOR PLAN GENERAL NOTES

1. PRIOR TO INSTALLING PARTITION TRACKS TO FLOOR SLAB, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR APPROVAL OF LAYOUT.
2. ALL DIMENSIONS ARE SHOWN TO THE FINISHED FACE OF PARTITIONS. ALL DIMENSIONS SHOWN ARE CLEAR UNLESS NOTED OTHERWISE.
3. CENTERLINE OF PARTITION(S) TO ALIGN WITH CENTERLINE OF EXISTING EXTERIOR WINDOW MULLIONS UNLESS NOTED OTHERWISE.
4. ALL DIMENSIONS AT EXISTING EXTERIOR WALLS ARE TAKEN FROM THE FINISHED FACE OF THE EXTERIOR WALL OR THE INSIDE FACE OF WINDOW SILL AT THE FLOOR LINE.
5. ALIGN FACE OF NEW PARTITIONS WITH FACE OF EXISTING CONSTRUCTION WHERE OCCURS.
6. ALL PARTITIONS SHALL BE PARALLEL, PERPENDICULAR OR AT 45 DEGREES TO THE EXISTING BUILDING EXTERIOR WALLS OR BUILDING CORE UNLESS NOTED OTHERWISE.
7. GYPSUMBOARD IS EXISTING AT ALL EXTERIOR WALLS AND COLUMN WRAPS AND AT ALL BUILDING CORE/ELEMENTS. REPAIR AND RETEXTURE, ETC. AS REQUIRED AT DAMAGED AREAS OR FORMER OUTLETS, ETC.

PARTITION LEGEND (NOT ALL ARE APPLICABLE)

- EXISTING PARTITION OR WALL TO 6" ABOVE CEILING GRID
- EXISTING FULL HEIGHT DEMISING PARTITION WITH GYPSUMBOARD THIS TENANT SIDE.
- NEW FULL HEIGHT DEMISING PARTITION WITH INSULATION, AND FULL HEIGHT GYPSUMBOARD EACH TENANT SIDE.
- LOW PARTITION. REFER TO DETAIL FOR HEIGHT.
- NEW INTERIOR PARTITION TO UNDERSIDE OF SUSPENDED CEILING, WITH FULL HEIGHT 3" MINERAL WOOL SOUND ATTENUATION BALL INSULATION IN STUD CAVITIES, PROVIDE 2" X 4" BATT INSULATION ABOVE THE PARTITION OVER THE CEILING TILE (2" IN EACH DIRECTION). PROVIDE CONTINUOUS SEALANT BETWEEN THE GYPSUMBOARD AND THE SUBFLOOR.
- NEW INTERIOR PARTITION TO UNDERSIDE OF SUSPENDED CEILING.
- EXISTING PARTITION OR CONSTRUCTION ITEM TO BE DEMOLISHED



KEY PLAN

NTS

COLDWATER STATION
13331 W. INDIAN SCHOOL RD., LITCHFIELD PARK, AZ 85310

2nd CHANCE TREATMENT CENTER

CODE INFO / FLOOR PLAN / DEMO PLAN

PROJECT:

PROJECT NO: 2125.04

DATE: 12-23-2021

REVISED:

DRAWN BY: JT

SHEET

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OF

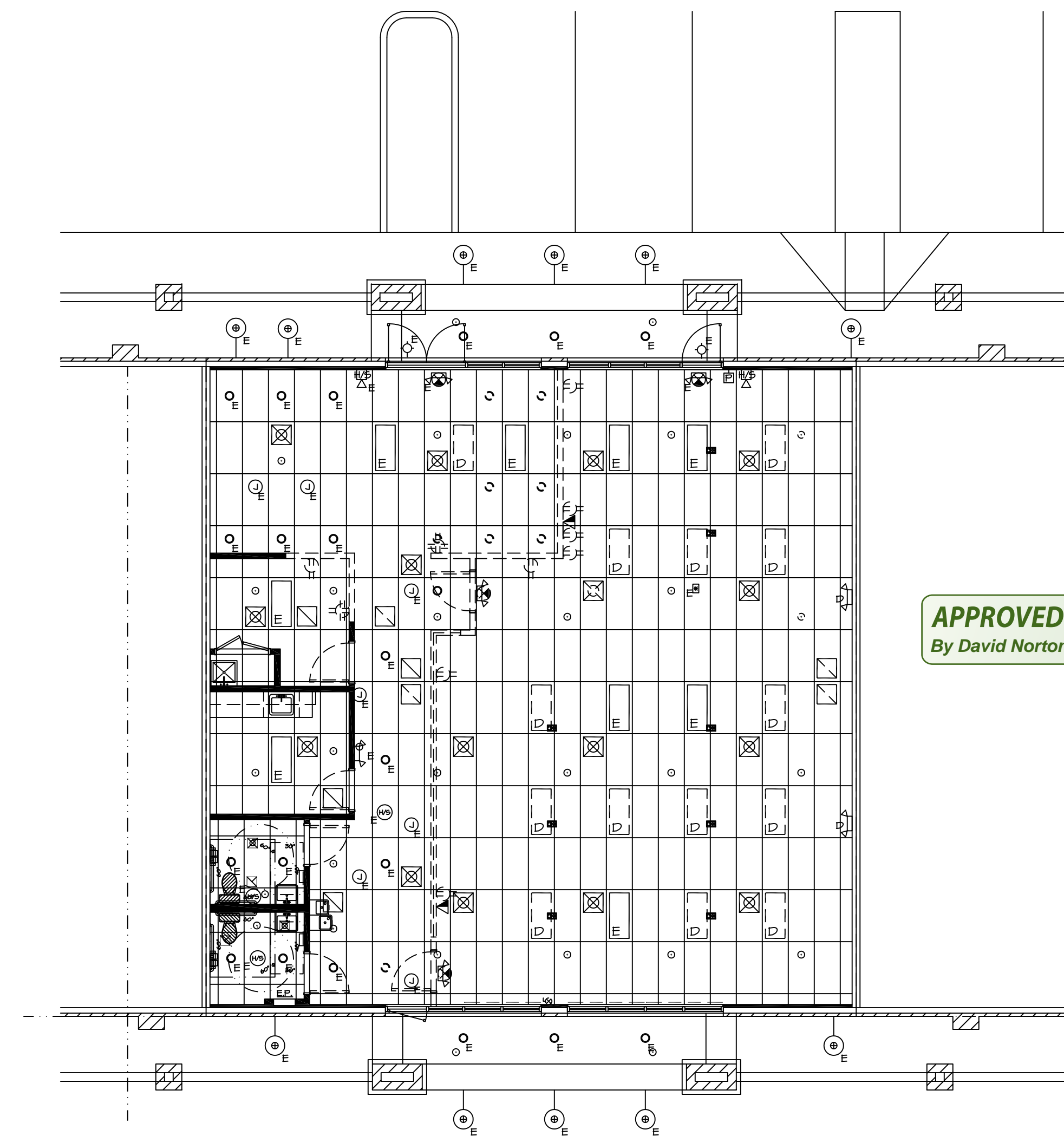


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SHEET TITLE:

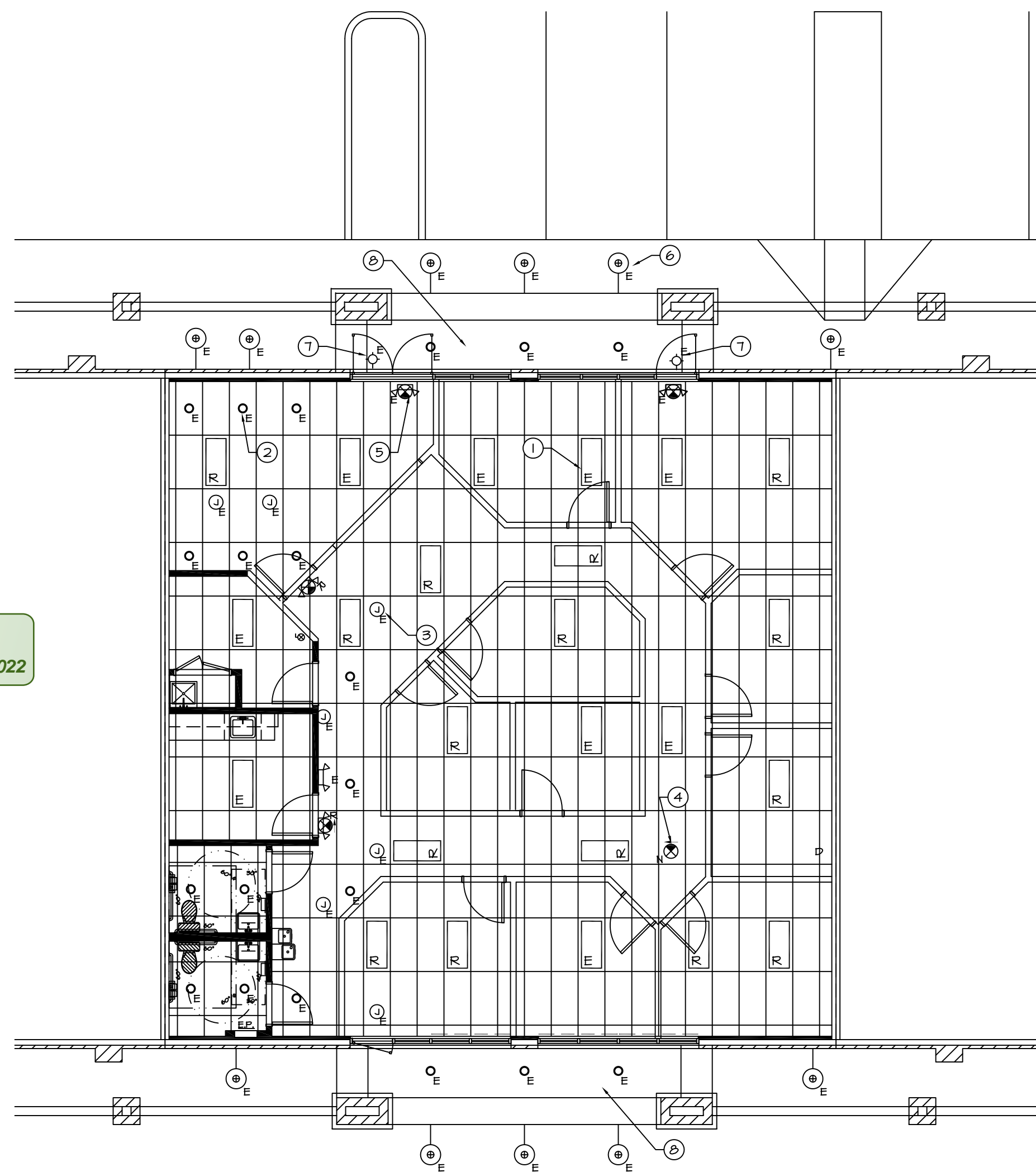


DEMOLITION CLG PLAN

1/8" = 1'-0"



APPROVED
By David Norton at 5:06 pm, Mar 24, 2022



REFLECTED CLG PLAN

1/8" = 1'-0"



DEMOLITION CEILING PLAN KEY NOTES

NOTE: SALVAGE ALL DEMO'D LIGHT FIXTURES, EXIT SIGNS, EMERGENCY LIGHTS AND HVAC DEVICES FOR POTENTIAL REUSE, OR TO DISCARD, PER OWNER'S DIRECTIVE.

NOTE: HVAC DEVICES, SPRINKLER HEADS AND FIRE ALARM PULLS AND HORN/STROBES SHOWN ARE EXISTING, FOR REFERENCE ONLY. SEE MECHANICAL PLANS, LIGHTING PLANS AND SPRINKLER PLANS FOR NEW LOCATIONS.

NOTE: RESTROOMS HAVE EXISTING EXHAUST FANS.

①

CEILING GENERAL NOTES

NOTE: 'E' DESIGNATES EXISTING TO REMAIN, 'R' DESIGNATES RELOCATED POSITION, 'N' DESIGNATES NEW, 'D' DESIGNATES DEMO

NOTE: ANY UNDESIGNATED ITEMS ARE EXISTING.

NOTE: SUSPENDED CEILINGS SHOWN ARE EXISTING, 2' X 4' WHITE 1/2" GRID, AT 12'-0". REPLACE DAMAGED GRID AND AT DEMO AS REQUIRED. EXISTING HEIGHTS AS NOTED.

NOTE: ACOUSTICAL CEILING TILES ARE EXISTING, 2' X 4' SQUARE EDGE, WHITE TILES (PIN PERFORATED / FINE FISHERED) TILES, ARMSTRONG #M06 / IS / 2121.011-871-ARMSTRONG 271M - VERIFY. DISCARD ANY DAMAGED, STAINED, CHIPPED, ETC. PROVIDE NEW TILES AS NEEDED. TILES SHALL BE CONSISTENT IN ANY GIVEN ROOM OR AREA - EITHER ALL NEW OR ALL EXISTING/RELOCATED.

NOTE: IF CEILING TILES HAVE INSULATION BATTS LAID OVER THE TILES, OR AT THE UNDERSIDE OF THE ROOF, REPLACE ANY MISSING OR DAMAGED BATTS AND MAINTAIN CONTINUOUS INSULATION OVER THE ENTIRE CEILING / ROOF, AS OCCURS.

NOTE: EXISTING HVAC DEVICES ARE 2' X 2' WHITE 3-BLADE CEILING DIFFUSERS AND RETURN AIR GRILLES. RELOCATE DEVICES PER MECHANICAL PLANS, RELOCATE AS NEEDED, AND ADD DEVICES AS REQUIRED, TO MATCH EXISTING. CLEAN ALL HVAC DEVICES.

NOTE: EXISTING LIGHTS THROUGHOUT ARE 2' X 4' PYRAMID ACRYLIC LED LIGHT TROFFERS. CLEAN ALL LENSES, RELAMP AND / OR RE-BALLAST AS MAY BE REQUIRED, FOR ALL FIXTURES TO BE COMPLETE AND IN WORKING CONDITION AND TO HAVE CONSISTENT LAMPING THROUGHOUT THE SUITE. RELOCATE AS SHOWN.

NOTE: EXISTING EXIT SIGNS ARE WHITE FRAMES WITH RED LETTERS. RELOCATE AND ADD, TO MATCH EXISTING, AS REQUIRED.

NOTE: SPRINKLER HEADS ARE SEMI-RECESSED CHROME HEADS AND ESCUTCHEONS. RELOCATE AND ADD SPRINKLER HEADS AS REQUIRED (CENTERED IN THE HALF OF THE CEILING TILE IN WHICH THEY OCCUR), PER NEW FLOOR PLAN, UNDER SEPARATE PERMIT.

NOTE: RELOCATE AND ADD FIRE ALARM DEVICES AS REQUIRED PER NEW FLOOR PLAN, UNDER SEPARATE PERMIT.

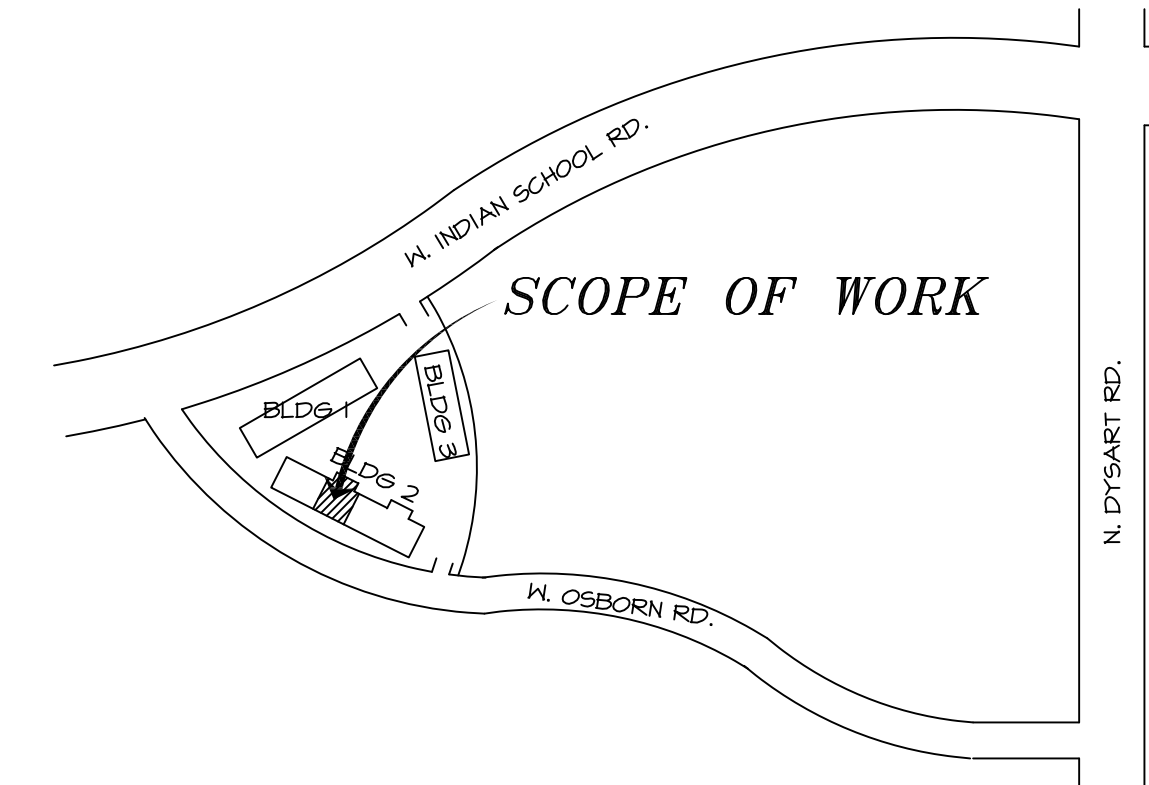
FLOOR PLAN KEY NOTES

- ① 2' X 4' RECESSED LIGHT TROFFER (TYPICAL).
- ② EXISTING DOWNLIGHT (TYPICAL).
- ③ EXISTING CEILING J-BOX (TYPICAL).
- ④ EXIT SIGN (TYPICAL)
- ⑤ EXIT SIGN WITH EMERGENCY LIGHT (TYPICAL).
- ⑥ EXISTING EXTERIOR WALL SCONCE (TYPICAL).
- ⑦ EXISTING OVER-DOOR HALL SCONCE.
- ⑧ EXISTING EXTERIOR SOFFIT WITH DOWNLIGHTS AND SPRINKLER HEADS.

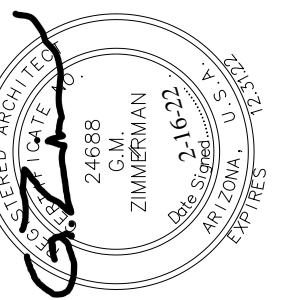
REFLECTED CEILING PLAN LEGEND

NOTE: 'E' DENOTES EXISTING FIXTURE TO REMAIN
'R' DENOTES RELOCATED FIXTURE
'N' DENOTES NEW FIXTURE
'D' DENOTES DEMO'D FIXTURE

- 2X4 LED LIGHT FIXTURE
- 2X2 LED LIGHT FIXTURE
- LIGHT BAR, MOUNTED CENTERLINE ABOVE LAVATORY
- WALL SCONCE
- DOWNLIGHT
- EXIT SIGN
- 1' X 4' SURFACE MOUNTED LIGHT FIXTURE WITH ACRYLIC WRAP LENS
- 2X CEILING GRID AND CEILING TILES
- PAINTED GYPSUM BOARD CEILING WITH SMOOTH FINISH
- EMERGENCY LIGHT PACK WITH BATTERY BACK UP



KEY PLAN



DIGGES DESIGN INTERIORS LLC

ARCHITECT DAVID NORTON, LICENSE NO. 24688
THESE PLANS AND SPECIFICATIONS WERE PREPARED BY DAVID NORTON, ARCHITECT FOR COMPLIANCE WITH THE ARIZONA ARCHITECTURE ACT AND THE ARIZONA PROFESSIONAL ARCHITECTURE BOARD. ANY CHANGES TO THESE PLANS ARE THE RESPONSIBILITY OF THE ARCHITECT AND NOT PART OF THESE PLANS.
PH: (602) 595-2925
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COLDWATER STATION
13331 W. INDIAN SCHOOL RD., LITCHFIELD PARK, AZ 85340

2nd CHANCE TREATMENT CENTER

REFLECTED CEILING PLANS

PROJECT:

PROJECT NO: 2125.04
DATE: 12-23-2021
REVISED:

DRAWN BY: JT

SHEET

A20

OF

RESTROOM ACCESSORIES (NOT ALL USED - THIS PROJECT)

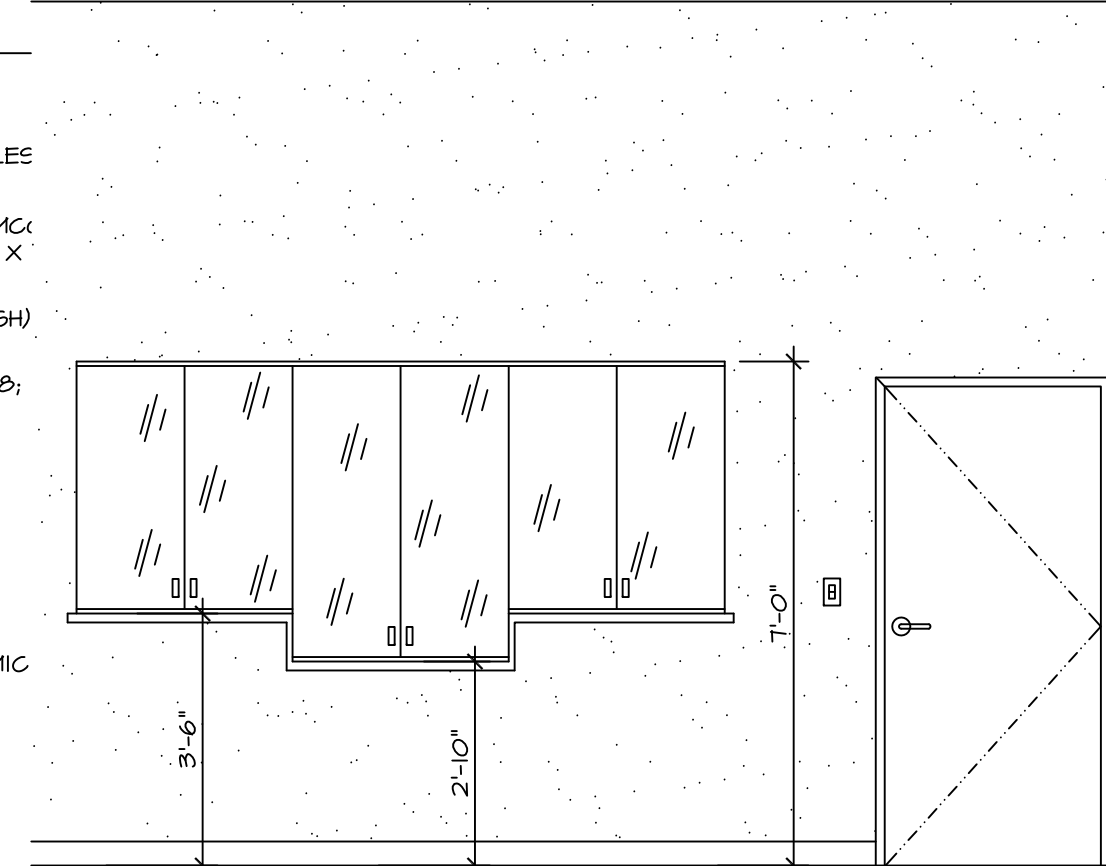
- (A) SURFACE MOUNTED SHELF WITH DUAL TOILET TISSUE DISPENSER, GAMCO #5PH-2, (STAINLESS STEEL SATIN FINISH), 16"W. X 4"H. X 5"D.
- (B) SURFACE MOUNTED C-FOLD PAPER TOWEL DISPENSER, GAMCO MODEL#TD-2, (STAINLESS STEEL, SATIN FINISH).
- (D) RECESSED COMBINATION MINI-PAPER TOWEL DISPENSER & WASTE RECEPTACLE, GAMCO #TH-3, 350/475 TOWELS; 2 gal WASTE; (STAINLESS STEEL, SATIN FINISH), 14"W. X 28"H. X 4"D.
- (E) BASIN-MOUNTED SOAP DISPENSER, GAMCO # G-64 LB, (STAINLESS STEEL, SATIN FINISH) 52 oz.
- (G) 18"W (VERTICAL) STAINLESS STEEL GRAB BAR, CONCEALED FLANGE, GAMCO #150C-18; (PEENED, NON-SLIP GRIPPING SURFACE).
- (H) 36"W STAINLESS STEEL GRAB, CONCEALED FLANGE, GAMCO #150C-36; (PEENED NON-SLIP GRIPPING SURFACE).
- (J) 42"W STAINLESS STEEL GRAB, CONCEALED FLANGE, GAMCO #150C-42; (PEENED NON-SLIP GRIPPING SURFACE).
- (K) MIRROR - WIDTH OF SINK COUNTER, FROM TOP OF BACKSPLASH TO DOOR HEIGHT, POLISHED EDGE / PLATE GLASS; INSTALL PRIOR TO CERAMIC TILE.
- (L) MIRROR - 24"W. X 42"H. POLISHED EDGE / PLATE GLASS; INSTALL PRIOR TO CERAMIC TILE.

MILLWORK KEYED NOTES (ALL MAY NOT BE USED - THIS PROJECT)

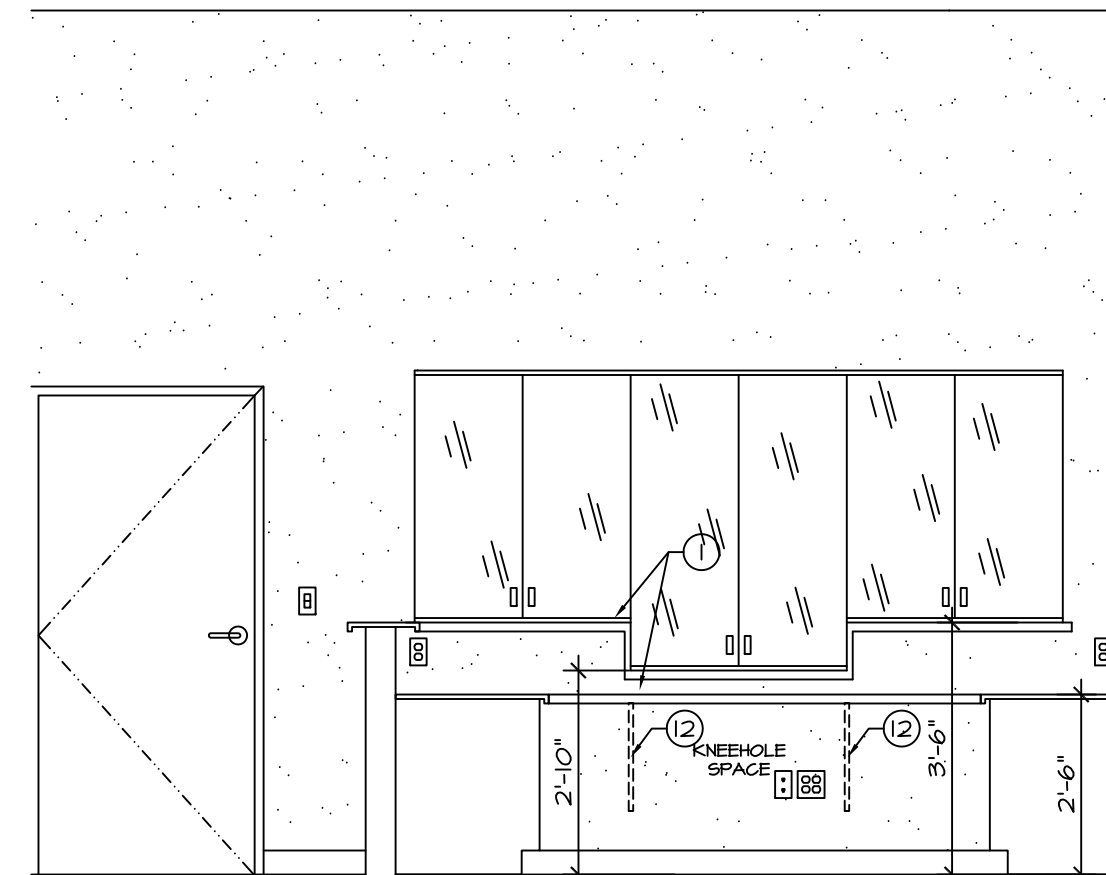
- NOTE: VERIFY IF ANY LOCKS WITH CLIENT.
- (1) PLASTIC LAMINATE COUNTER.
 - (11) SOLID SURFACE COUNTER.
 - (2) HARD SURFACE (STONE/QUARTZ/GRANITE) COUNTER.
 - (2) 4"H BACKSPLASH (AND SIDE SPLASHES, WHERE OCCURS) - TO MATCH COUNTER.
 - (3) STAINLESS STEEL SINK.
 - (4) CABINET WITH 16"D BUILT-IN BOTTOM SHELF FOR MICROHAVE, WITH PLASTIC LAMINATE ON CABINET INTERIORS.
 - (5) ADJUSTABLE SHELVES ON METAL PEG SYSTEM.
 - (6) PLASTIC LAMINATE DOOR / DRAWER FRONTS, WITH LOCKS WHERE SHOWN.
 - (7) PLASTIC LAMINATE FACED BOTTOM PANEL.
 - (8) PLASTIC LAMINATE DOORS WITH INTEGRAL TOE KICK. PROVIDE SCORING LINE ALIGNING WITH ADJACENT DRAWER / DOOR SEAM.
 - (9) PAINTED GYPSUMBOARD.
 - (10) BASE AS SCHEDULED.
 - (11) APPLIANCES PROVIDED BY TENANT, N.I.C.
 - (12) IN-WALL STEEL BRACKET, SEE DETAIL.
 - (13) PLASTIC LAMINATE FACED, 16"W, BOX/BOX/FILE/FILE DAWKER PEDESTAL, WITH FRONT TO BACK LETTER WIDTH PENTAFLEX FILE FOLDER RACKS.
 - (14) 4"H, PLASTIC LAMINATE FACED TOE KICK.
 - (15) FINISHED END PANEL.
 - (20) ANGLED FRONT CABINET.

MILLWORK GENERAL NOTES

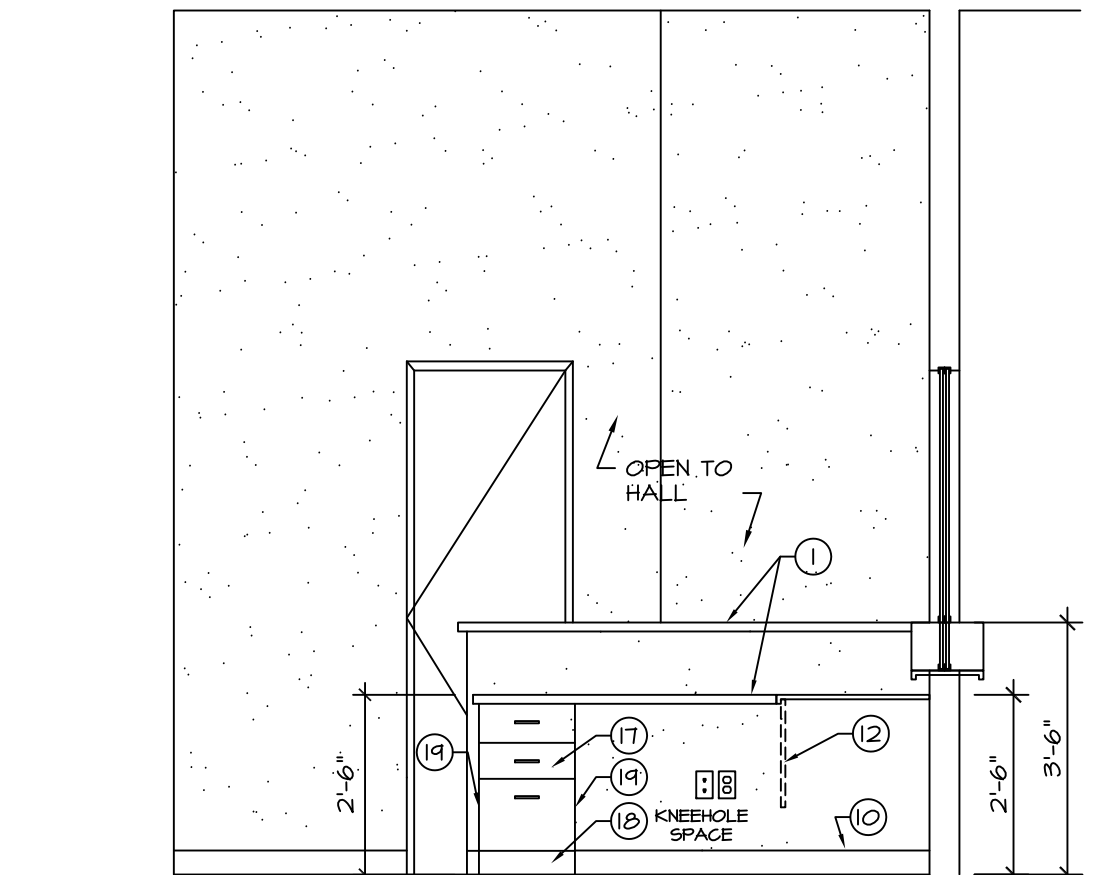
1. SUBMIT MILLWORK SHOP DRAWINGS FOR REVIEW AND APPROVAL FOR ALL MILLWORK.
2. ALL EXPOSED SURFACES MILLWORK TO BE PLASTIC LAMINATE (M.N.O.).
3. INTERIOR OF ALL PLAS LAM CABTS AND DRAWERS TO BE WHITE MELAMINE.
4. PROVIDE 1-1/2" RADIUS CORNERS ON ALL OUTSIDE CORNERS OF ALL COUNTERS OVER MILLWORK. PROVIDE 2" RADIUS CORNERS ON ALL OUTSIDE CORNERS OF OPEN COUNTERS (WHETHER DESK HEIGHT, STANDING HEIGHT, OR TRANSACTION COUNTER HEIGHT)
5. MILLWORK SHALL HAVE 4" SATIN CHROME WIRE PULLS. PROVIDE MILLWORK LOCKS WHERE NOTED.
6. PROVIDE GROMMETS IN COUNTERTOPS AT KNEEHOLE SPACES. ALL GROMMETS TO BE 2", BLACK OR WHITE - TO MATCH SOLID SURFACE, UNLESS NOTED OTHERWISE.



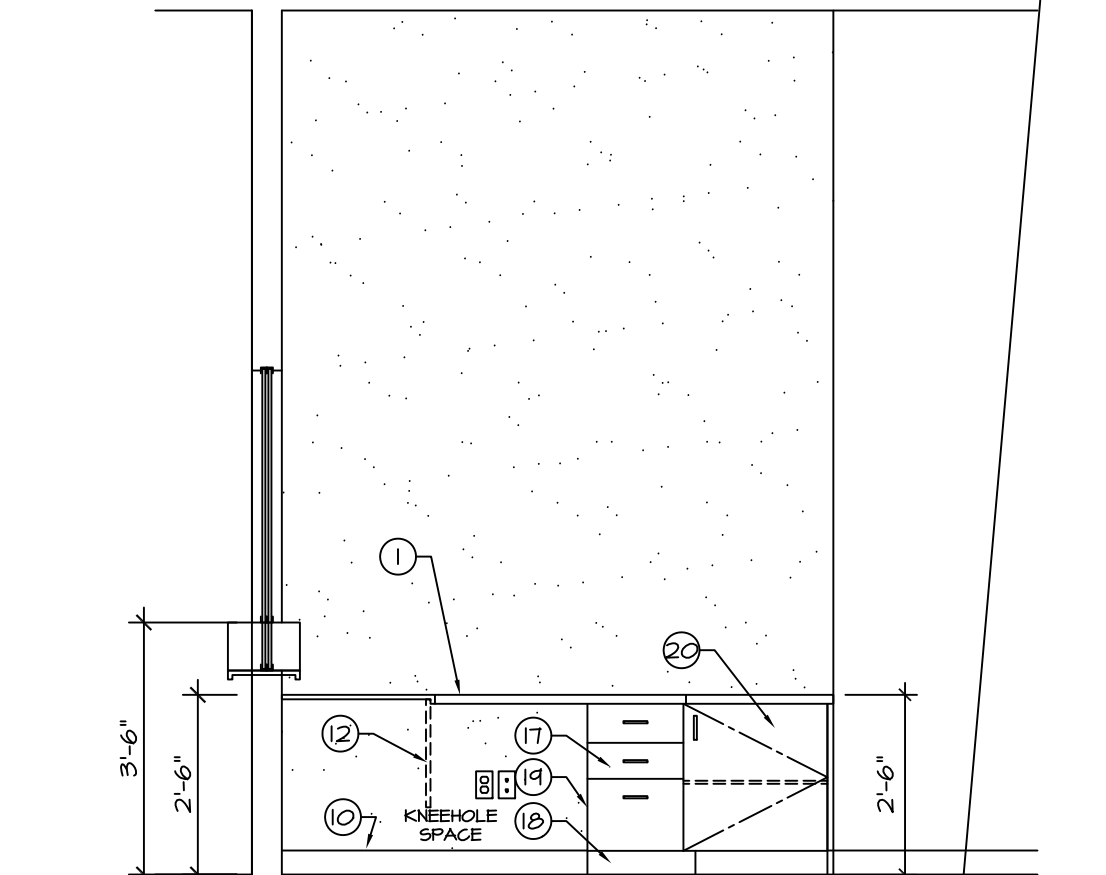
RECEPT #203.01
3/8"=1'-0" 5



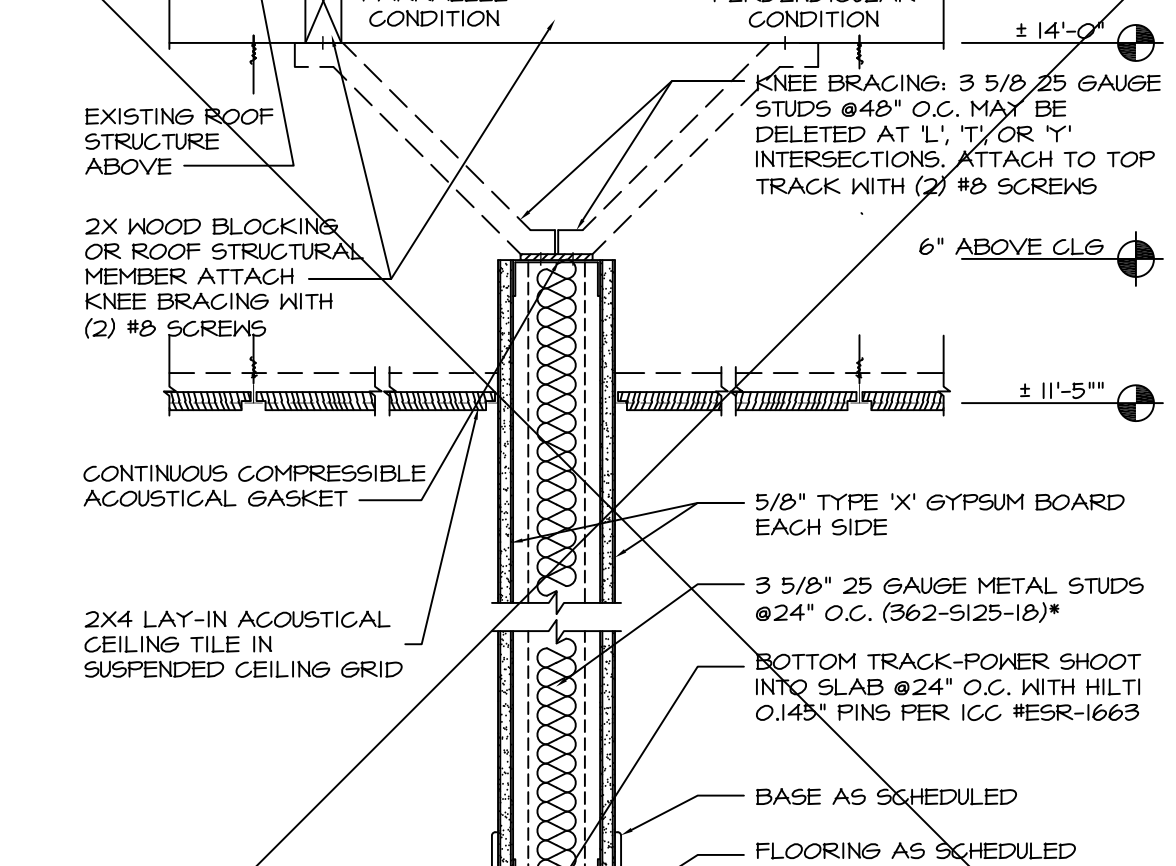
FRONT OFC #203.02
3/8"=1'-0" 6



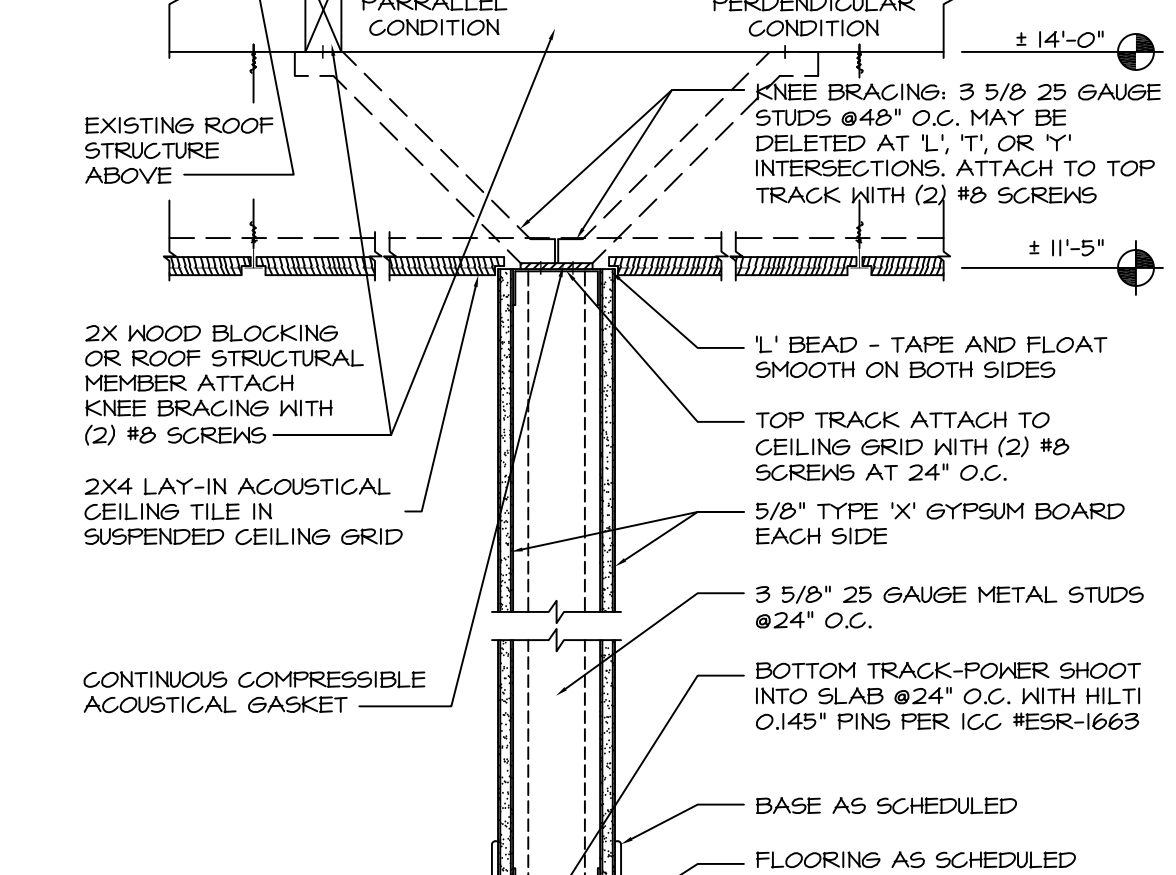
FRONT OFC #203.02
3/8"=1'-0" 7



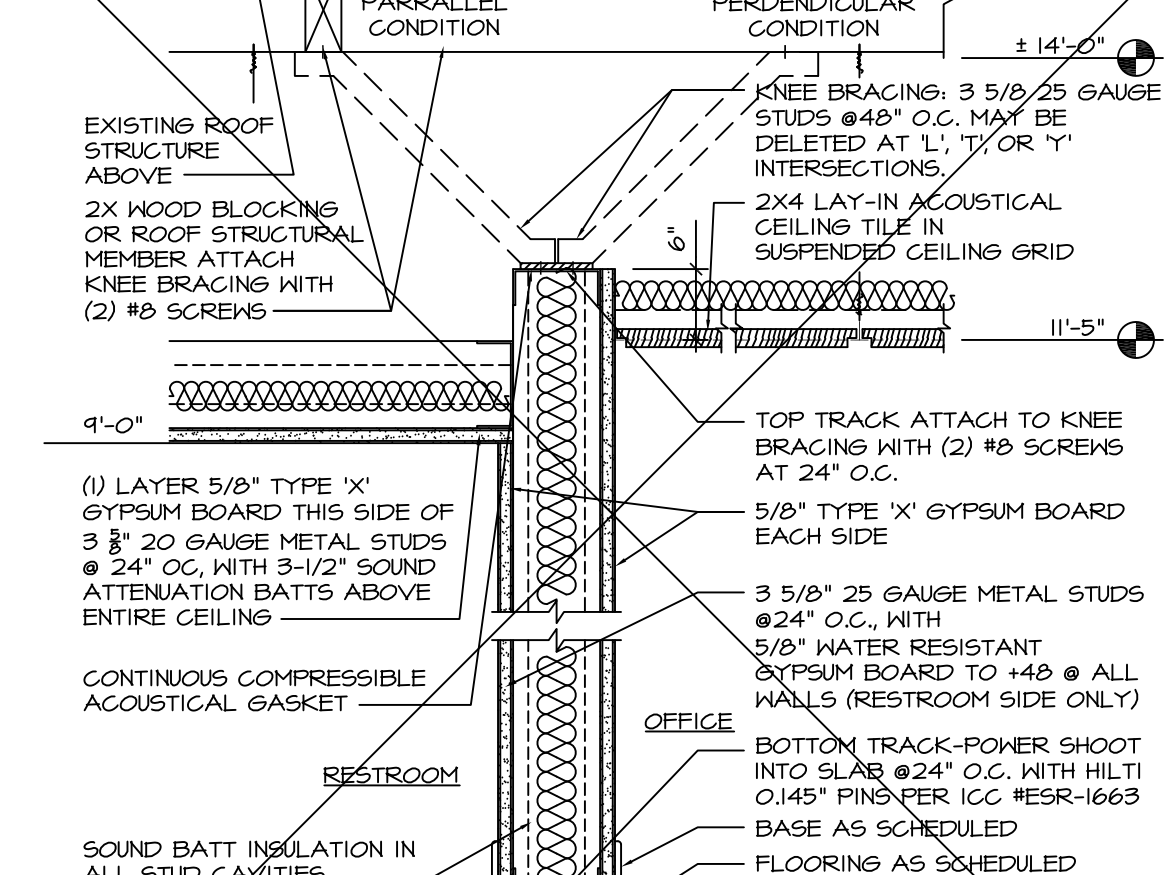
FRONT OFC #203.02
3/8"=1'-0" 8



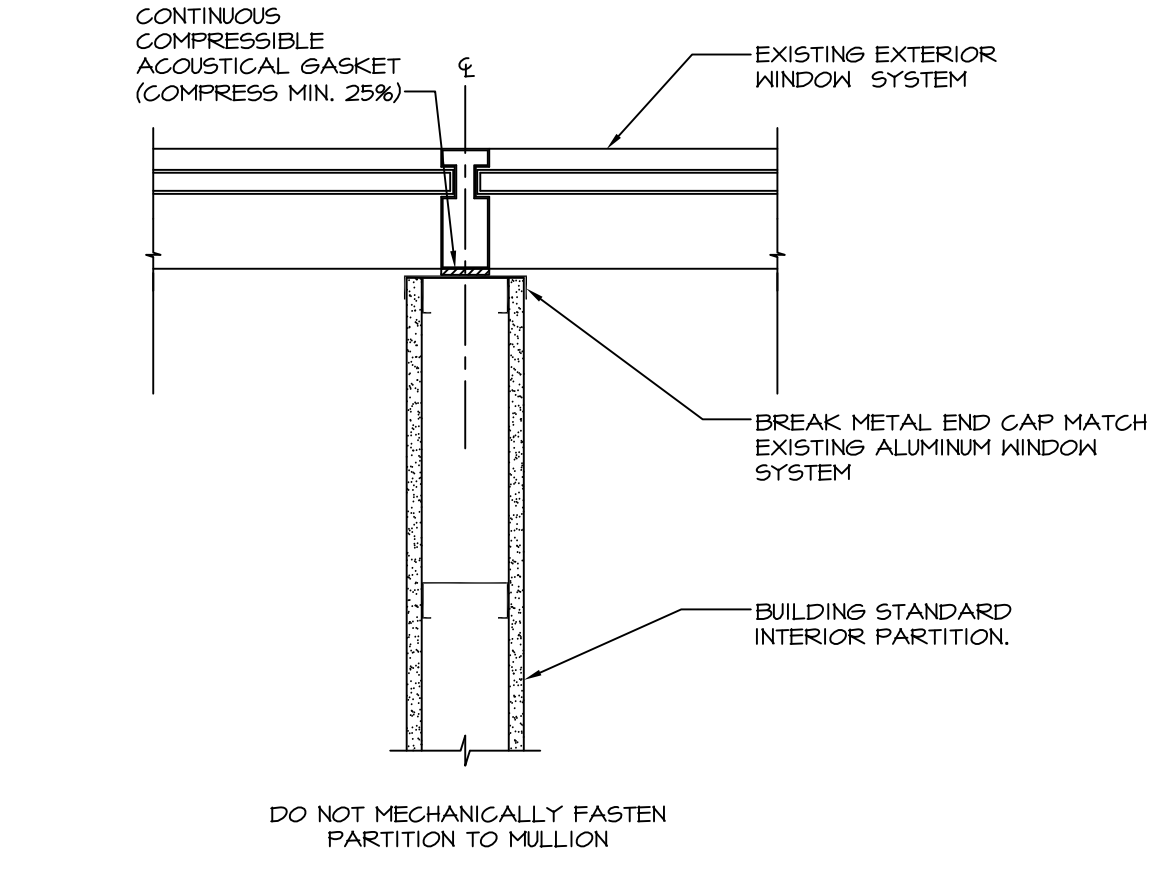
INT'R PART'N THRU GRID
1/2"=1'-0" PART-INTOT 1



TYP. INTERIOR PARTITION
1/2"=1'-0" PART-INTOT 2



RESTROOM PARTITION
1/2"=1'-0" PART-RRD1 3



PARTITION AT MULLION
1/2"=1'-0" PART-MUL5 4

APPROVED
By David Norton at 5:06 pm, Mar 24, 2022

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COLDWATER STATION
13333 W. INDIAN SCHOOL RD., LITCHFIELD PARK, AZ 85314

2nd CHANCE TREATMENT CENTER

DETAILS

PROJECT: **2125.04**
DATE: **12-23-2021**
REVISED:
DRAWN BY: **JT**

SHEET
A3.0
OF

MECHANICAL LEGEND	
N	- NEW
E	- EXISTING
R	- RELOCATE
	- NEW 24X24 SUPPLY DIFFUSER AIR QUANTITY INDICATED. (MATCH EXISTING LAY-IN TYPE)
	- EXISTING 24X24 SUPPLY DIFFUSER AIR QUANTITY INDICATED
	- RELOCATED 24X24 SUPPLY DIFFUSER AIR QUANTITY INDICATED
	- EXISTING SUPPLY DIFFUSER AIR QUANTITY INDICATED
	- NEW 24X24 RETURN GRILLE (RG-1) WITH BOOT. (MATCH EXISTING LAY-IN TYPE)
	- EXISTING 24X24 RETURN GRILLE WITH BOOT.
	- RELOCATED 24X24 RETURN GRILLE WITH BOOT.
	- RELOCATE EXISTING SUPPLY DIFFUSER.
	- RELOCATE EXISTING RETURN GRILLE.
	- EXISTING EXHAUST/GRILLE FAN TO REMAIN
	- RELOCATED THERMOSTAT MOUNTED 48" A.F.F.
	- RELOCATED DUCT MOUNTED SMOKE DETECTOR.
	- POINT OF CONNECTION NEW TO EXISTING
	- NEW DUCTWORK
	- EXISTING SUPPLY/RETURN DUCTWORK
	- EXISTING SUPPLY/RETURN DUCTWORK TO BE REMOVED
	- CAP EXISTING DUCTWORK AIR TIGHT

LEGEND NOTES	
1)	ALL EXISTING GRILLE, DIFFUSER, EXHAUST FANS, DUCTS, A/C UNITS, ETC. TO REMAIN UNLESS NOTED OTHERWISE - REFER TO NOTES AND LEGEND.
2)	DASHED DUCTWORK IS EXISTING - VERIFY SIZE AND PROVIDE NEW IF CROSS SECTION AREA IS SMALLER THAN NEW BRANCH SIZE SHOWN.
3)	DIFFUSERS NOTED TO BE RELOCATED FIELD VERIFY EXISTING CONDITIONS & REROUTE EXISTING BRANCH DUCT TO NEW LOCATION.

DIFFUSER NECK SCHEDULE	
CFM	MIN. NECK SIZE
0-100	6"
101-200	8"
201-350	10"
351-600	12"

NOTE: VERIFY EXISTING BRANCH DUCT SIZES AND REPLACE IF SIZE IS NOT ADEQUATE TO HANDLE CFM QUANTITY INDICATED. REPLACE GRILLE OR DIFFUSER WHERE EXISTING NECK SIZE IS SMALLER THAN NECK SIZE REQUIRED.

OUTSIDE AIR CALCULATION

PER 2018 I.M.C. SECTION 403.3 AND TABLE 403.3.1

OFFICE/BREAK AREA:
 $R_p = 5 \text{ CFM/PERSON}$
 $P_z = 5 \text{ PEOPLE/1000 SQ. FT.} = 6 \text{ PEOPLE}$
 $R_a = 0.06 \text{ CFM/SQ. FT.}$
 $A_z = 1196 \text{ SQ. FT.}$
 $V = R_p \times P_z + R_a \times A_z = 102 \text{ CFM OSA REQUIRED}$

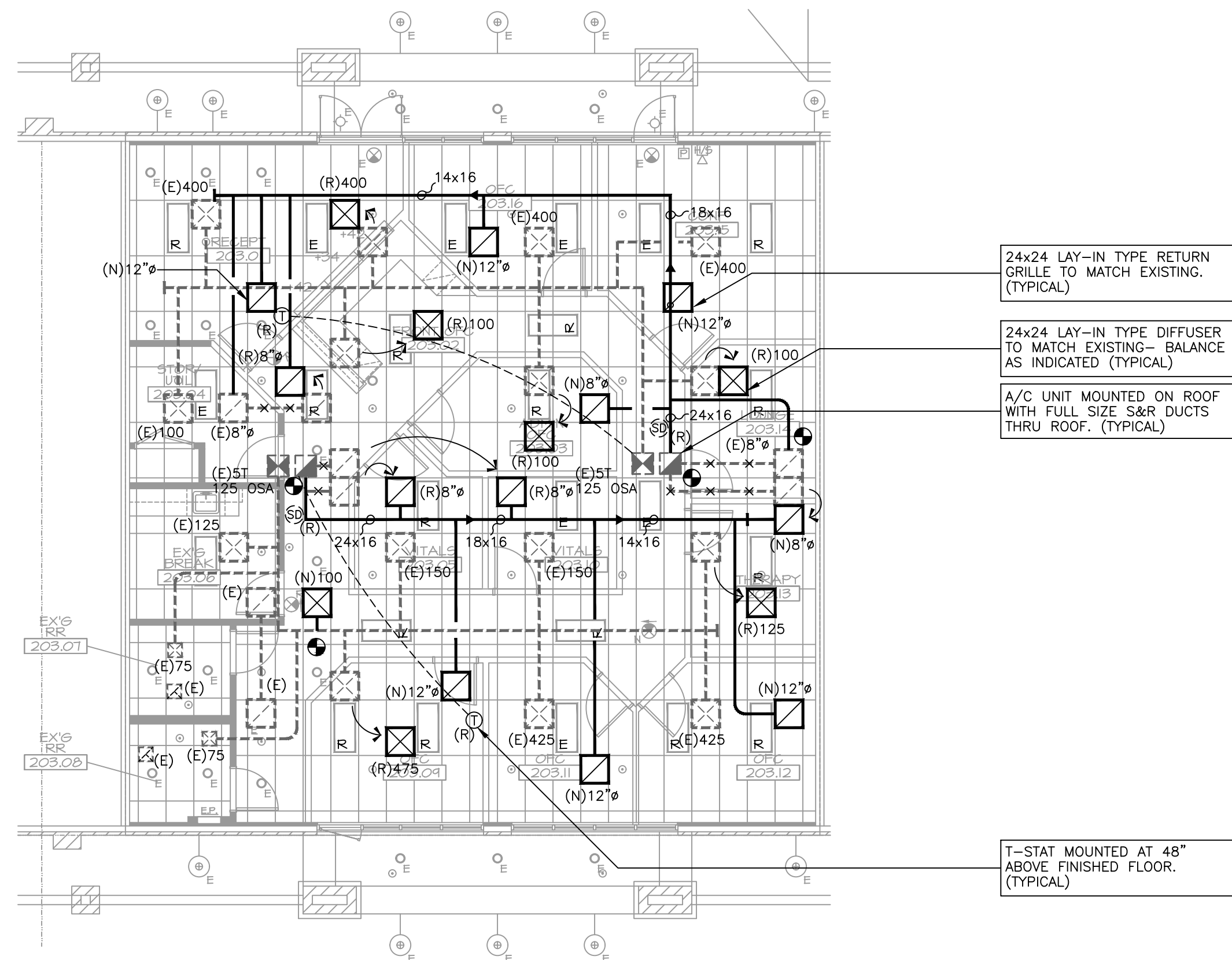
CONFERENCE:
 $R_p = 5 \text{ CFM/PERSON}$
 $P_z = 50 \text{ PEOPLE/1000 SQ. FT.} = 11 \text{ PEOPLE}$
 $R_a = 0.06 \text{ CFM/SQ. FT.}$
 $A_z = 215 \text{ SQ. FT.}$
 $V = R_p \times P_z + R_a \times A_z = 67 \text{ CFM OSA REQUIRED}$

WAITING/LOBBY:
 $R_p = 5 \text{ CFM/PERSON}$
 $P_z = 10 \text{ PEOPLE/1000 SQ. FT.} = 2 \text{ PEOPLE}$
 $R_a = 0.06 \text{ CFM/SQ. FT.}$
 $A_z = 238 \text{ SQ. FT.}$
 $V = R_p \times P_z + R_a \times A_z = 26 \text{ CFM OSA REQUIRED}$

CORRIDOR/HALLWAY:
 $R_p = \text{N/A}$
 $P_z = \text{N/A}$
 $R_a = 0.06 \text{ CFM/SQ. FT.}$
 $A_z = 648 \text{ SQ. FT.}$
 $V = 0.06 \times 648 = 39 \text{ CFM OSA REQUIRED}$

234 TOTAL CFM OF OUTSIDE AIR IS REQUIRED.
 250 CFM OF OUTSIDE AIR IS PROVIDED.

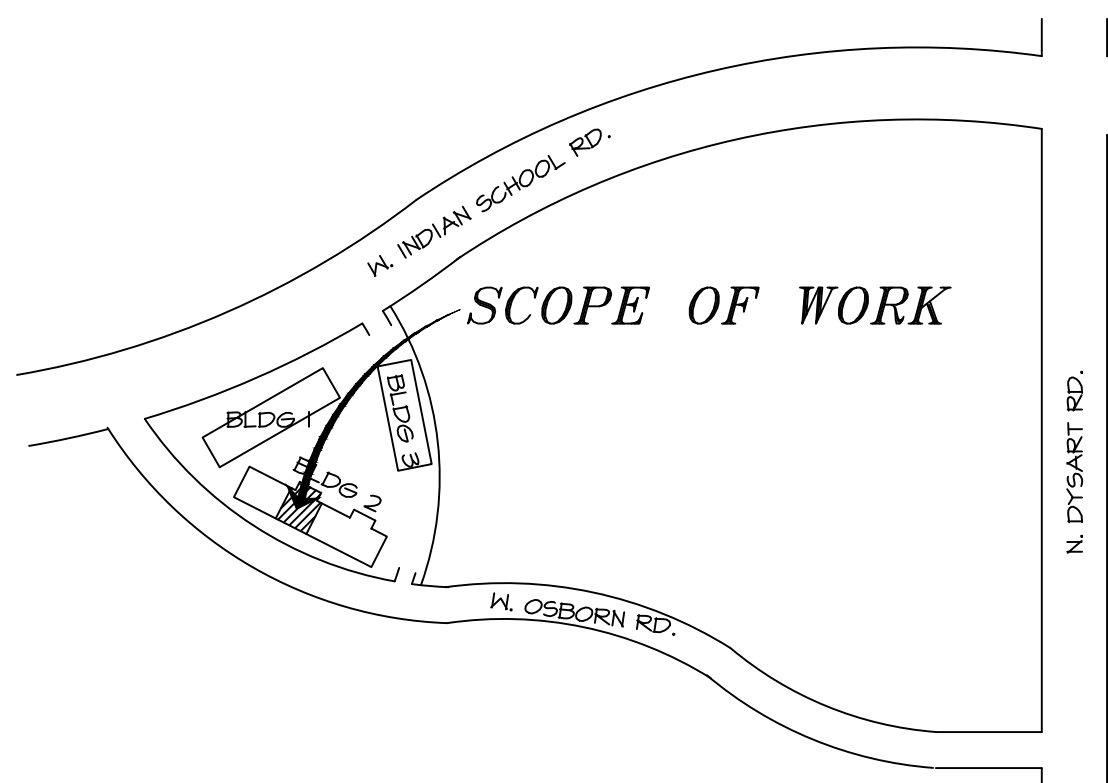
APPROVED
 By David Norton at 5:07 pm, Mar 24, 2022



ADD ALTERNATE BID: REPLACE AND UPSIZE INSTANT -HOTS UNDER LAVATORIES & BREAK ROOM SINK. SEE SELECTION ON M2.0 (TYPICAL).

MECHANICAL FLOOR PLAN

1/8"=1'-0" NORTH



KEY PLAN
 N.T.S.

MECHANICAL NOTES

- (ALL WORK DONE TO BE IN COMPLIANCE WITH 2018 INTERNATIONAL MECHANICAL CODE, 2018 IECC AND LOCAL AMENDMENTS).
- GENERAL**
- BUILDING IS SINGLE STORY.
 - FURNISH ALL LABOR, MATERIALS, TOOLS EQUIPMENT, FEES, PERMITS, CERTIFICATE OF INSPECTION, ETC. NECESSARY OR REASONABLY REQUIRED FOR THE COMPLETE INSTALLATION OF ALL AIR CONDITIONING WORK. THE WORK SHALL BE IN STRICT ACCORDANCE WITH THE ASHRAE GUIDE, AND ALL LOCAL AND STATE CODES, ORDINANCES AND REGULATIONS.
 - COORDINATE ALL MECHANICAL WORK WITH ARCHITECT AND OTHER TRADES PRIOR TO WORK.
 - ALL OUTSIDE AIR INTAKES SHALL BE MINIMUM 10 FEET FROM ANY EXHAUST OR PLUMBING VENTS COORDINATE WITH PLUMBING CONTRACTOR.
 - CONTRACTOR SHALL VERIFY SCALE OF DRAWINGS WITH ARCHITECTURAL DRAWINGS BEFORE SUBMITTING ANY BID.
 - MECHANICAL CONTRACTOR SHALL VERIFY AND COORDINATE SIZE AND LOCATION OF ALL EXISTING HVAC EQUIPMENT. EXISTING EQUIPMENT AND DUCTWORK SHALL BE CLEANED AND SERVICED. CONTRACTOR SHALL REPLACE ALL WORK OR DEFECTIVE PARTS AND RETURN ALL EXISTING EQUIPMENT AND REUSED DUCTS TO GOOD WORKING CONDITION. INFORM OWNER/LANDLORD OF MAJOR REPAIRS REQUIRED TO MAKE EXISTING UNITS OPERATIONAL. REMOVE EXISTING DUCT AND HVAC MATERIALS NOT UTILIZED WITH WRITTEN APPROVAL OF THE OWNER/LANDLORD. EXISTING CONDITIONS SHALL BE VERIFIED PRIOR TO SUBMITTING BID.
- EQUIPMENT**
- MECHANICAL CONTRACTOR TO VERIFY AND COORDINATE AVAILABLE VOLTAGE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
 - ALL MECHANICAL EQUIPMENT LOCATION TO COMPLY WITH THE 2018 I. M. C.
 - SET A/C UNITS TO OUTSIDE AIR QUANTITIES AS SPECIFIED ON FLOOR PLAN.
 - ALL HVAC EQUIPMENT (A/C UNITS, EXHAUST FANS, ETC.) SHALL BE UL LISTED.
 - CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT LEVELS IN CONFORMANCE WITH MANUFACTURER'S INSTRUCTIONS, MAINTAINING ALL MINIMUM RECOMMENDED CLEARANCES.
 - PROVIDE ONE SET OF FARR 30-30 THROWAWAY FILTERS AND ONE SET OF FINAL FILTERS, FRAMES, MOUNTING HARDWARE AND ACCESSORIES. PROVIDE ONE SET OF THROWAWAY FILTERS FOR USE DURING THE CONSTRUCTION PERIOD. REMOVE FIRST SET OF THROWAWAY FILTERS AFTER THE CONSTRUCTION PERIOD AND INSTALL THE SECOND SET OF FINAL FILTERS (PRIOR TO BALANCING THE SYSTEM).
- DUCTWORK**
- PROVIDE SPIN-IN BALANCING DAMPERS AT ALL BRANCH CONNECTIONS.
 - THE MAXIMUM LENGTH OF ANY FLEX DUCT SHALL NOT EXCEED 8 FEET.
 - ALL BRANCH CONNECTIONS SHALL BE A MINIMUM OF 2 FEET AWAY FROM ANY ELBOW.
 - ALL DUCTS SHALL BE GALVANIZED SHEET METAL. ALL NEW DUCTWORK TO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS, THE 2018 I. E. C. C. AND CHAPTER 6 OF THE 2018 INTERNATIONAL MECHANICAL CODE FOR LOW PRESSURE DESIGN.
 - ALL FLEX DUCTS SHALL BE THERMAFLEX TYPE KM MIN R-6 VALUE OR APPROVED EQUAL CONFORMING TO UL 181, NFPA 90A AND 90B.
 - MECHANICAL CONTRACTOR SHALL VERIFY THAT ALL DUCTWORK WILL FIT WHERE INDICATED WITHOUT INTERFERENCES.
 - DUCTS SHALL CONFORM TO DIMENSIONS ON THE DRAWINGS UNLESS LOCATION OF STRUCTURAL MEMBERS PROHIBIT. IN CASE OF A CHANGE IN DIMENSIONS, CROSS SECTIONAL AREAS SHALL BE MAINTAINED.
 - ALL DUCTS SHALL BE SUBSTANTIALLY SUPPORTED WITH HANGERS TO THE STRUCTURE. REPLACING SUPPORTS NOT OVER 8 FEET APART ALONG THE LENGTH OF THE DUCT. SHEET METAL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:
 UP TO 12" WIDTH 26 GAUGE STEEL
 13" TO 30" WIDTH 24 GAUGE STEEL
 - ALL FACTORY MADE DUCT MUST BE CLASS '0' OR CLASS '1'.
 - PROVIDE FULL RADIUS ELBOWS, TURNING VANES, AND SPLITTER DAMPERS IN BRANCHES AND EXTRACTORS WHERE APPLICABLE.
 - DUCT SIZES SHOWN ARE "CLEAR INSIDE" DIMENSIONS.
 - MECHANICAL CONTRACTOR SHALL CAP ALL OPENINGS IN EXISTING DUCTWORK ABOVE THE CEILING.
 - ALL SUPPLY AND RETURN DUCTS LOCATED IN UNCONDITIONED SPACES SHALL HAVE A MINIMUM OF R-8 INSULATION. ALL SUPPLY AND RETURN DUCTS LOCATED OUTSIDE THE BUILDING SHALL HAVE A MINIMUM OF R-8 INSULATION IN ACCORDANCE WITH THE 2018 I.E.C.C. 603.2.7
 - ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK, SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLU-EMBED-FABRIC SYSTEMS OR TAPES. TAPES AND MASTICS USED TO SEAL DUCTWORK SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A AND SHALL BE MARKED 181A-P FOR PRESSURE SENSITIVE TAPE, TAPES AND MASTICS USED TO SEAL FLEXIBLE AIR AIR DUCT AND FLEXIBLE CONNECTORS SHALL COMPLY WITH UL 181B AND SHALL BE MARKED 181B-FX FOR PRESSURE SENSITIVE TAPE OR 181M FOR MASTIC. DUCT CONNECTION TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. UNLISTED DUCT TAPE IS NOT PERMITTED AS SEALANT ON ANY METAL DUCTS.
- OUTLETS**
- THE MECHANICAL CONTRACTOR SHALL COORDINATE EXACT DIFFUSER AND GRILLE LOCATIONS WITH ELECTRICAL CONTRACTOR AND ALL OTHER TRADES AND ALSO COORDINATE SPACE AVAILABILITY FOR DUCTWORK ABOVE RECESSED LIGHTING TO AVOID RELOCATING DUCTWORK AT THE MECHANICAL CONTRACTOR'S EXPENSE.
 - ALL AIR DISTRIBUTION DEVICES IN LAY-IN CEILINGS SHALL BE SUPPORTED IN COMPLIANCE WITH SECTION 2.3.1.3 OF NFPA 90A & 2018 INTERNATIONAL BUILDING CODE.
 - DIFFUSERS SHALL MATCH EXISTING OR APPROVED EQUAL, NECK SIZE AS INDICATED.
 - RETURN AIR FILTER GRILLES SHALL MATCH EXISTING OR APPROVED EQUAL.
- CONTROLS**
- THERMOSTATS ARE EXISTING. RELOCATE AS INDICATED ON FLOOR PLAN.
- PIPING**
- HANGERS AND SUPPORTS:
 CLEVIS HANGERS ADJUSTABLE HEIGHT, MAXIMUM 10' C., 3/8" ROD UP TO 5" PIPE, 5/8" ROD FOR 6" AND LARGER. WHERE EXTRA HANGER SUPPORTS ARE REQUIRED, THEY SHALL BE PROVIDED BY CONTRACTOR.
 - DRAINS
 1) CONDENSATE DRAINS ARE EXISTING - COORDINATE LOCATION AND TERMINATION.
- INSULATION**
- ALL INSULATION, MATERIAL, COVERINGS, ADHESIVES, VAPOR-BARRIERS AND TAPES SHALL CONFORM TO NFPA 90A, FLAME SPREAD CLASSIFICATION NOT TO EXCEED 25 AND SMOKE DEVELOPMENT NOT TO EXCEED 50.
 - PROVIDE 1/2" LINER IN NEW SUPPLY AND RETURN DUCTWORK OF AIR CONDITIONING SYSTEMS WITHIN 15 FEET OF A/C UNIT.
 - INSULATE ALL SHEET METAL DUCTWORK FOR AIR CONDITIONING SYSTEMS WITH A MINIMUM VALUE OF R-6, 3/4 LB. DENSITY EXTERIOR INSULATION, WITH FSK JACKET AND VAPOR BARRIER WITHIN THE BUILDING ENVELOPE AND R-8 OUTSIDE OF BUILDING ENVELOPE.
- TESTING**
- TEST AND BALANCE ALL AIR SYSTEMS PER AABC OR NEBB LATEST STANDARDS. SUBMIT REPORT TO ENGINEER WITHIN 10 DAYS OF COMPLETING TEST AND BALANCE.
 - PERFORM COMPLETE TESTING AND BALANCE OF ALL MECHANICAL WATER SYSTEMS IN ACCORDANCE WITH AABC OR NEBB LATEST STANDARDS. SUBMIT REPORT TO ENGINEER WITHIN 10 DAYS OF COMPLETING TEST AND BALANCE.

PLUMBING FIXTURE SCHEDULE

ALL FIXTURES AND APPLIANCES TO BE APPROVED BY OWNER, ARCHITECT, AND TENANT. COORDINATE ALL VOLTAGES WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING ANY EQUIPMENT.

ADD ALTERNATE SPEC FOR POINT-OF-USE WATER HEATERS

PDU-1 - POINT-OF-USE	INSTANTANEOUS HEATER 120 MAX/MTD UNDER LAVATORY/FULLY INSULATED HTG ELEMENT/CHRONDITE HM-20L / 4160 WATT @ 208V SINGLE PHASE/0.5 GPM @ 57° TEMPERATURE RISE. SET FACTORY INSTALLED MICROPROCESSOR TO 110° FAHRENHEIT.
PDU-2 - POINT-OF-USE	INSTANTANEOUS HEATER 120 MAX/MTD UNDER COUNTER/FULLY INSULATED HTG ELEMENT/CHRONDITE HM-40 / 8320 WATT @ 208V SINGLE PHASE/1.0 GPM @ 57° TEMPERATURE RISE. SET FACTORY INSTALLED MICROPROCESSOR TO 110° FAHRENHEIT.



TRIGGERS DESIGN INTERIORS LLC

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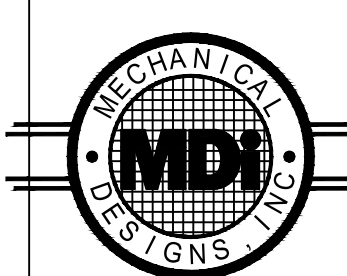
2nd CHANCE TREATMENT CENTER

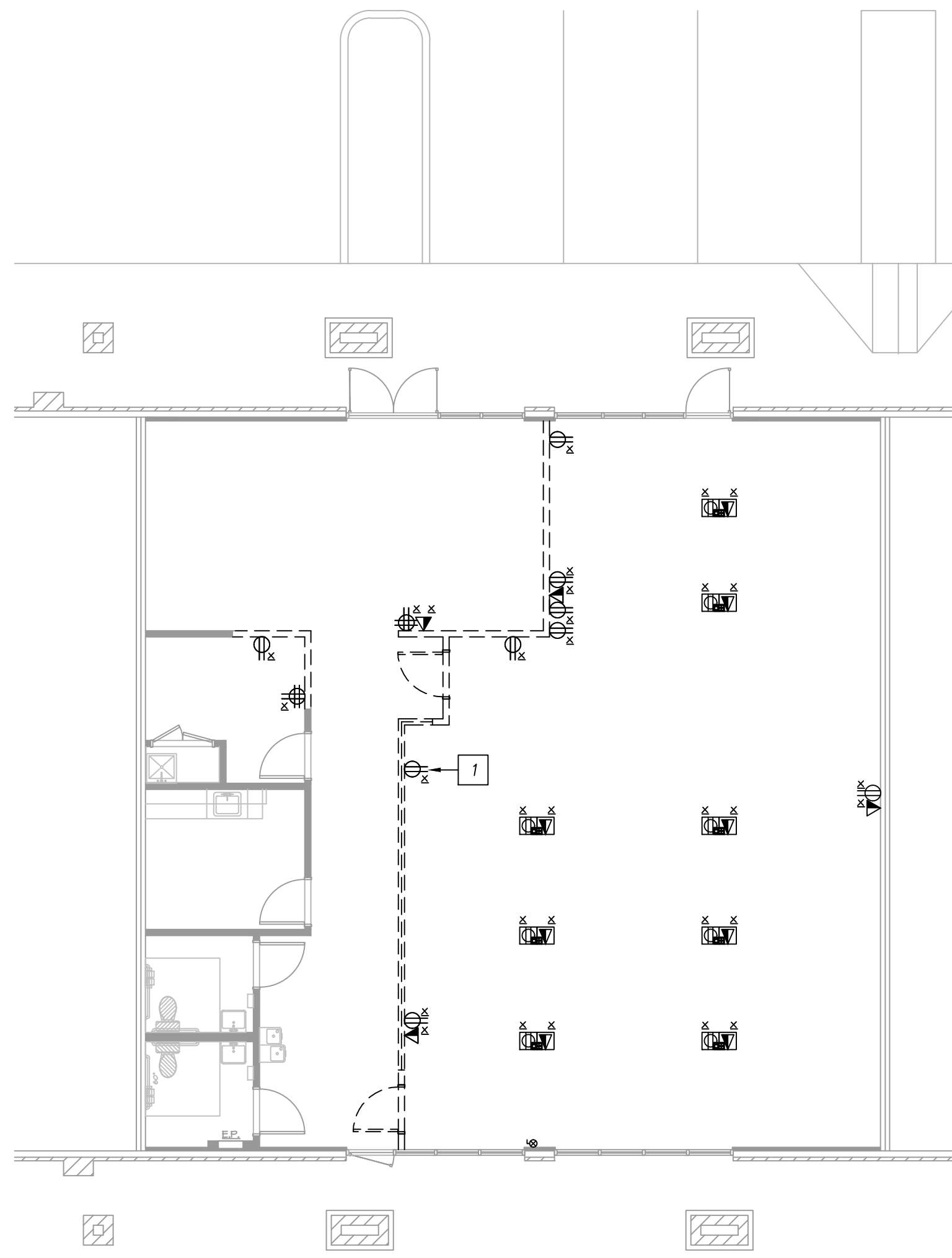
MECHANICAL FLOOR PLAN

PROJECT: PROJECT NO: 2125.04
 DATE: 1-25-2022
 REVISED:
 DRAWN BY: TM

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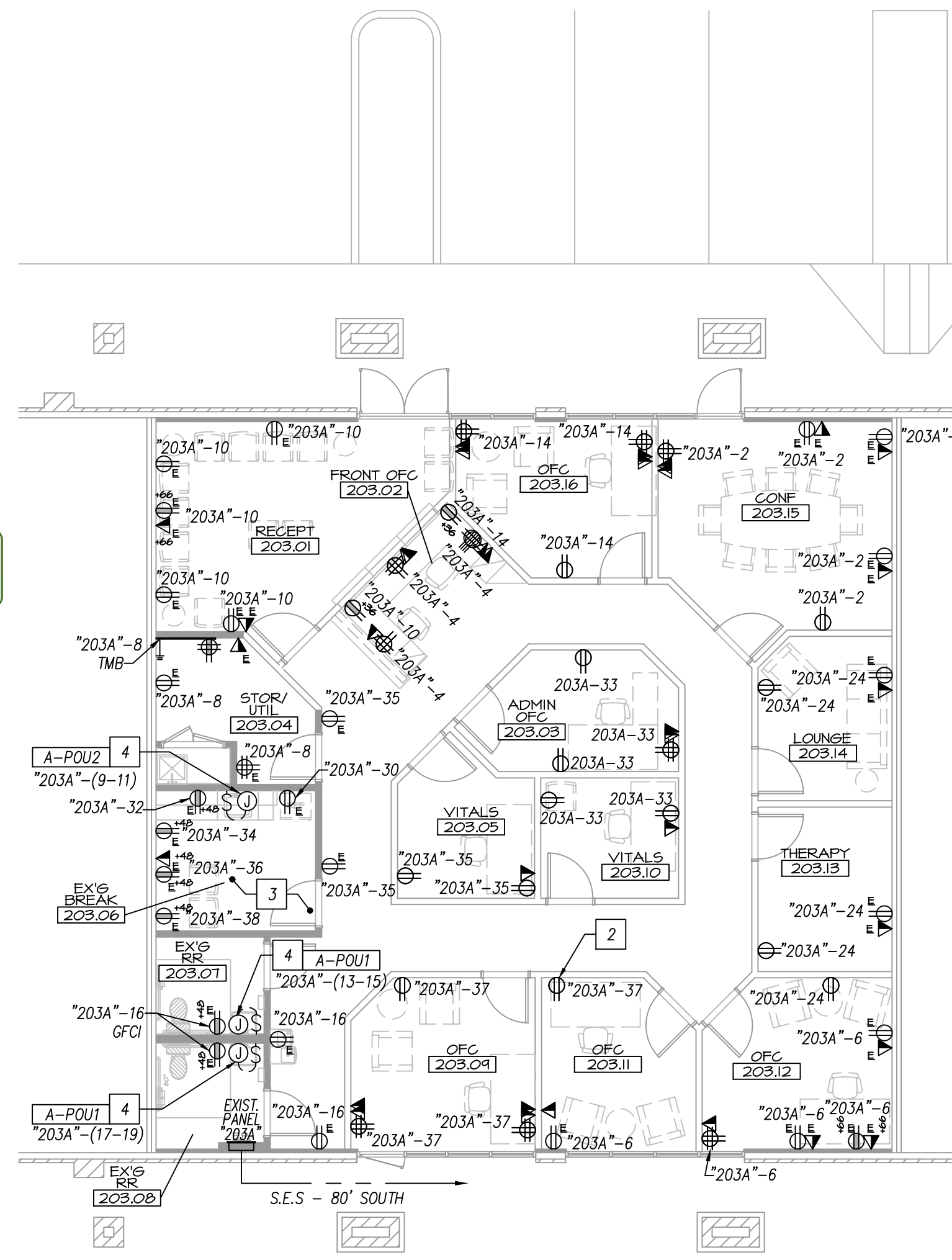
DEMOLITION PLAN

1/8" = 1'-0"

GENERAL DEMOLITION NOTES – POWER:

1. DEVICES, FIXTURES AND OUTLETS SHOWN AS DASHED OR DENOTED "X" SHALL BE REMOVED.
2. ANY DEVICE, FIXTURE OR OUTLET NOT SHOWN AND AFFECTED BY DEMOLITION SHALL BE REMOVED. NOTIFY ENGINEER, IN WRITING, OF ADDITIONAL REMOVAL.
3. ELECTRICAL CONTRACTOR SHALL ENSURE EXTERIOR POWER IS NOT ALTERED FROM DEMOLITION.
4. UNUSED CONDUIT AND WIRE SHALL BE REMOVED.

APPROVED
By David Norton at 5:07 pm, Mar 24, 2022



FLOOR PLAN

1/8" = 1'-0"

GENERAL NOTE – POWER SEPARATION:

1. ELECTRICAL CONTRACTOR SHALL ENSURE NO CIRCUITS CROSS NEW DEMISING WALL.
2. IF CIRCUITS ARE FEEDING OTHER SUITES, CIRCUIT TRACE FROM DEVICES TO ORIGIN AND PROVIDE WRITTEN DOCUMENTATION TO ELECTRICAL ENGINEER/ARCHITECT.
3. RECIRCUIT ELECTRICAL DEVICES, TO INCLUDE EXISTING HVAC, TO ENSURE SUITES ARE SEPARATELY METERED. REWIRE AS NECESSARY AND PROVIDE AS-BUILT MARK-UP TO ELECTRICAL ENGINEER, TO ENSURE NO CIRCUITS OR PANELS ARE OVERLOADED.

KEYED NOTES

1. DEMOLISH EXISTING ELECTRICAL DEVICE. REMOVE CONDUIT AND BRANCH CIRCUIT BACK TO COMMON POINT FOR REUSE, OR BACK TO PANEL IF NOT REUSED (TYPICAL OF ALL MARKED "X", U.N.O.).
2. CONNECT NEW RECEPES INTO EXISTING BRANCH CIRCUITING PREVIOUSLY DEMOLISHED RECEPES. ENSURE NO MORE THAN 6 DUPLEX RECEPES ARE TIED INTO ANY INDIVIDUAL BRANCH CIRCUIT. RELABEL PANEL SCHEDULE WITH INDIVIDUALLY DESCRIPTIVE IDENTIFICATION PER NEC 408.4(A) (TYPICAL, U.N.O.).
3. ENSURE ALL RECEPES WITHIN 6' OF SINK ARE GFCI PROTECTED. ALL GFCI RECEPES SHALL BE LOCATED TO BE READILY ACCESSIBLE WITH APPLIANCE IN PLACE (TYPICAL OF ALL MARKED "GFCI").
4. EXISTING POU HEATERS TO REMAIN. PROVIDE LINE ITEM COST TO REPLACE. REFER TO ADD ALT. HVAC SCHEDULE & PANEL SCHEDULE FOR MORE INFORMATION.

LOAD SUMMARY – POWER

POWER LOAD REMOVED	VA	QTY	
RECEPT – DUPLEX GENERAL USE	180 VA	x -17	= -3060 VA
RECEPT – QUADPLEX GENERAL USE	360 VA	x -2	= -720 VA
TOTAL POWER LOAD REMOVED			= -3780 VA

(ADD ALT.) HVAC EQUIPMENT SCHEDULE

TAG	VOLTS	FLA/ kW	MCA/ HP	MOCp/ gop	DISCONNECTING MEANS	CONDUIT/CONDUCTOR SIZING
A-POU1	208/1φ	4.16kW	-	30A	PROVIDE LOCK-OFF DEVICE AT BREAKER. PROVIDE PERMANENT LABEL, AT WATER HEATER, INDICATING MEANS OF DISCONNECT AT BREAKER.	(2) #10's Cu., (1) #10 Cu. E.G. - 3/4" C.
A-POU2	208/1φ	8.32kW	-	50A	PROVIDE LOCK-OFF DEVICE AT BREAKER. PROVIDE PERMANENT LABEL, AT WATER HEATER, INDICATING MEANS OF DISCONNECT AT BREAKER.	(2) #6's Cu., (1) #10 Cu. E.G. - 1" C.

- SCHEDULE NOTES:**
1. ALL EQUIPMENT SHALL BE U.L. LISTED FOR THE USE FOR WHICH IT IS BEING INSTALLED.
 2. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CORRECT TYPE, SIZE, QUANTITY OF DUAL ELEMENT, TIME-DELAY FUSES PER MANUFACTURER RECOMMENDATIONS UNLESS NOTED OTHERWISE ON UNIT NAMEPLATE. NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCY.
 3. ALL CONDUCTOR TAPS SHALL COMPLY WITH NEC 240.2(B)(2).

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL INSTALL COMPLETE ELECTRICAL SYSTEMS FOLLOWING THE LATEST ADOPTED VERSION OF THE N.E.C.
2. ELECTRICAL CONTRACTOR SHALL USE CONNECTORS TO ENTER AND EXIT JUNCTION BOXES.
3. ELECTRICAL CONTRACTOR SHALL USE UL LISTED JUNCTION BOX COVERS AND ENSURE THEY ARE ON ALL JUNCTION BOXES. LABEL ALL CIRCUITS WITHIN JUNCTION BOX ON OUTSIDE OF JUNCTION BOX COVER.
4. ELECTRICAL CONTRACTOR SHALL USE STRAPS TO SUPPORT CONDUIT AND WIRE PER N.E.C.
5. ELECTRICAL CONTRACTOR SHALL ENSURE ALL SPLICES HAVE MECHANICAL CONNECTION. WIRES SHALL BE TWISTED IN A CLOCK-WISE DIRECTION, TRIMMED AND WIRE NUT INSTALLED SO THAT NO BARE COPPER IS EXPOSED. ELECTRICAL CONTRACTOR SHALL ENSURE CONDUIT IS FREE FROM ANY BURRS OR SHARP OBJECTS THAT COULD DAMAGE THE CONDUCTORS' INSULATION.
6. ELECTRICAL CONTRACTOR SHALL NOT EXCEED 360 DEGREES WORTH OF BENDS IN ANY CONDUIT RUN PER N.E.C.
7. ELECTRICAL CONTRACTOR SHALL NOT OVER FILL CONDUITS OR BOXES PER N.E.C.
8. ELECTRICAL CONTRACTOR SHALL LABEL ALL RECEPES WITH "P-TOUCH" CLEAR LABELS. PROVIDE PANEL NAME AND CIRCUIT NUMBER. (ie. H1-21, P2A-15, etc.)
9. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING ELECTRICAL CONDITIONS TO MEET CURRENT N.E.C. CODE REQUIREMENTS. (ie. ACCESS PANELS, RELOCATION OF EXISTING EQUIPMENT/ JUNCTION BOXES TO COMPLY WITH "READILY ACCESSIBLE" REQUIREMENTS, etc.)
10. ELECTRICAL CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING OF ANY CODE VIOLATIONS WITH INSTALLATION PRIOR TO FINAL INSPECTION.

BRANCH CIRCUIT NOTES:

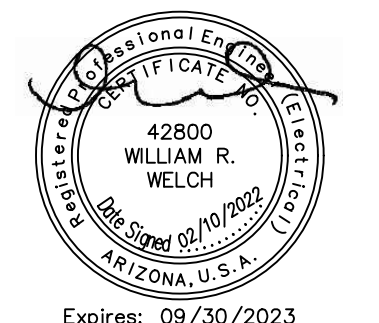
1. ELECTRICAL CONTRACTOR SHALL GROUP CIRCUITS SUCH THAT THERE ARE NO MORE THAN FOUR (4) CIRCUITS IN A HOME RUN.
2. ALL BRANCH CIRCUITS AND HOMERUNS THAT CONTAIN TWO (2) OR MORE CURRENT CARRYING CONDUCTORS SHALL HAVE A DEDICATED NEUTRAL PER CIRCUIT. ALL DIMMED LIGHTING ZONE SHALL HAVE A DEDICATED NEUTRAL.
3. MINIMUM ACCEPTABLE SIZE FOR BRANCH CIRCUITS IS 1/2" FOR BRANCH CIRCUITS AND 3/4" FOR HOMERUNS.
4. ALL CONDUCTORS SHALL BE COPPER AND RATED FOR 900V. THE MINIMUM LINE VOLTAGE CONDUCTOR SIZE SHALL BE #12 AWG COPPER. ALL CONDUCTORS #6 AND SMALLER SHALL HAVE THHN OR THHW INSULATION. ALL CONDUCTORS #4 AWG AND LARGER SHALL HAVE XHHW OR XHHW-2 TYPE INSULATION. ALL CONDUCTOR INSULATION SHALL BE RATED FOR 90 DEGREES. ANY 120V BRANCH CIRCUIT OVER 100'-0" SHALL HAVE #10 AWG MINIMUM AND 277V BRANCH CIRCUITS OVER 200'-0" SHALL HAVE #10 AWG MINIMUM.
5. ALL CONDUITS SHALL BE INSTALLED IN A NEAT AND ORGANIZED MANNER. CONDUITS SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING LINE. CONDUIT SHALL NOT BE RUN ON EXTERIOR FACES OF THE BUILDING.
6. ALL ELECTRICAL INSTALLATIONS SHALL COMPLY WITH THE CURRENT ADOPTED NATIONAL ELECTRIC CODE (NEC), INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL ENERGY CONSERVATION CODE (IECC), ANY LOCAL AND STATE ADOPTED CODES AND ORDINANCES, AND LOCAL UTILITY COMPANY REQUIREMENTS.
7. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A COMPLETE, OPERATIONAL, AND FUNCTIONAL SYSTEM. ANY AND ALL DEVICES, MATERIALS, AND LABOR SHALL BE INCLUDED IN INITIAL BID.
8. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE ELECTRICAL SYSTEM THAT MEETS THE INTENT OF THESE CONSTRUCTION DOCUMENTS, NOTES, AND SPECIFICATIONS.

UPDATE PANEL SCHEDULES NOTE:

ELECTRICAL CONTRACTOR SHALL UPDATE ALL PANEL SCHEDULES WITH NEW TYPE WRITTEN DIRECTORIES UPON COMPLETION OF WORK.

ELECTRICAL DEVICE NOTE:

ALL DEVICES AND FIXTURES ARE NEW UNLESS NOTED OTHERWISE. VERIFY COLOR/STYLE.



WELCH & SANDON DESIGN, LLC
DESIGN INTERIORS LLC

COLDWATER STATION
13331 W. INDIAN SCHOOL RD., LITCHFIELD PARK, AZ 85340

2nd CHANCE TREATMENT CENTER

ELECTRICAL POWER PLANS

PROJECT:

PROJECT NO: 2125.04
DATE: 12-23-2021
REVISED:

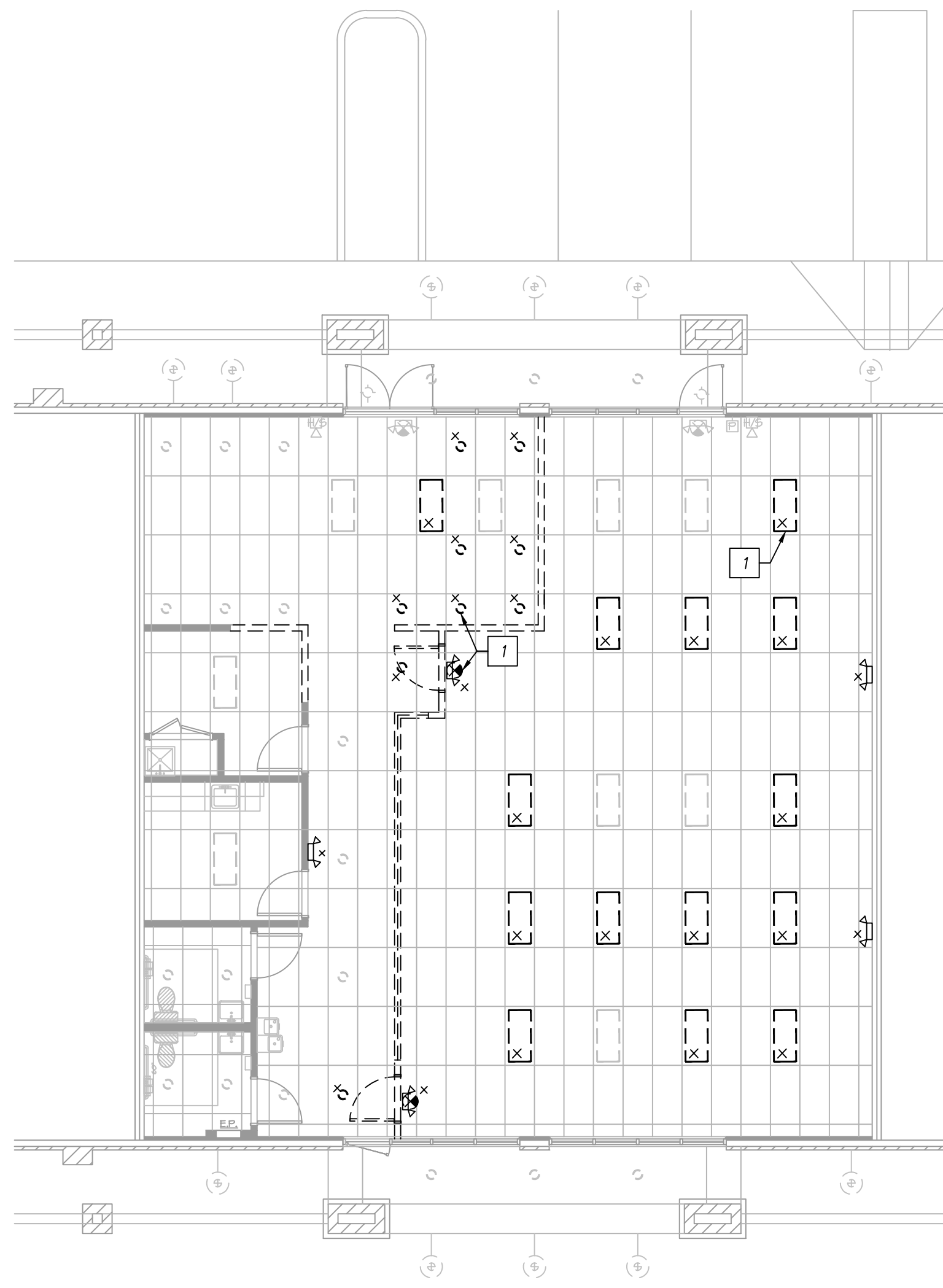
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OF

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APPROVED
By David Norton at 5:07 pm, Mar 24, 2022

ELECTRICAL DEMO LIGHTING PLAN

1/8" = 1'-0"

GENERAL DEMOLITION NOTES – LIGHTING:

1. DEVICES, FIXTURES AND OUTLETS SHOWN AS DASHED OR DENOTED "X" SHALL BE REMOVED.
2. ANY DEVICE, FIXTURE OR OUTLET NOT SHOWN AND AFFECTED BY DEMOLITION SHALL BE REMOVED. NOTIFY ENGINEER, IN WRITING, OF ADDITIONAL REMOVAL.
3. ELECTRICAL CONTRACTOR SHALL ENSURE EXTERIOR LIGHTING IS NOT ALTERED FROM DEMOLITION.
4. UNUSED CONDUIT AND WIRE SHALL BE REMOVED.
5. ELECTRICAL CONTRACTOR SHALL RETAIN LIGHTS TO BE RELOCATED. SEE ELECTRICAL LIGHTING SHEET FOR NEW LOCATIONS.



ELECTRICAL LIGHTING PLAN

1/8" = 1'-0"

2018 IECC EXEMPTION NOTE:

1. NO LIGHTING LOAD WAS ADDED UNDER THIS SCOPE OF WORK.
2. THIS PROJECT IS CLASSIFIED AS AN ADDITION, ALTERATION, RENOVATION, OR REPAIR PER 2018 IECC C501.2.
3. IN ADDITION, LESS THAN 10% OF THE LIGHT FIXTURES ARE BEING REPLACED THEREFORE NO INTERIOR ENERGY CALCULATIONS ARE REQUIRED PER C503.6, EXCEPTION 1.

- KEYED NOTES**
- 1 DEMOLISH EXISTING LIGHT/LIGHT CONTROL DEVICE AND RETURN TO OWNER'S STOCKPILE FOR REUSE (OR PROPER DISPOSAL AS DETERMINED BY OWNER'S REPRESENTATIVE) (TYPICAL OF ALL MARKED "X", U.N.O.).
 - 2 REUSE LIGHT FIXTURE FROM OWNER'S STOCKPILE. REWIRE AS NECESSARY (TYPICAL OF ALL MARKED "R", U.N.O.).
 - 3 ADD NEW LIGHT SWITCH'S TO MATCH EXISTING TENANT DEVICES AS NEEDED. VERIFY MOUNTING LOCATION AND QUANTITY WITH ARCHITECT AND OWNER PRIOR TO ORDERING. REWIRE AS NECESSARY.
 - 4 NEW LED LIGHT FIXTURE, TO MATCH EXISTING FIXTURE. TIE INTO EXISTING CIRCUIT.

LOAD SUMMARY – LIGHTING

LIGHTING LOAD REMOVED	WATTS	QTY	
2x4 TROFFER (LED)	40 W	x -14	= -560 W
6" DOWNLIGHT (LED)	18 W	x -9	= -162 W
TOTAL LIGHTING LOAD REMOVED			= -722 W
LIGHTING LOAD ADDED	WATTS	QTY	
2x4 TROFFER (LED)	40 W	x 1	= 40 W
TOTAL LIGHTING LOAD ADDED			= 40 W
TOTAL LIGHTING LOAD CHANGE			= -682 W
TOTAL LIGHTING LOAD CHANGE ON "SES" @ 208V/3ø			= -1.89 AMPS

*****NO NEW LOAD ADDED. NO PANEL SCHEDULES NEEDED. ENSURE ALL CIRCUITS REUSED ARE PROPERLY LABELED IN THE PANELS*****

EMERGENCY LIGHTING AND EXIT SIGNAGE:
THE ELECTRICAL CONTRACTOR SHALL PROVIDE EXIT SIGNAGE ALONG THE PATH OF EGRESS AS DEFINED BY THE ARCHITECT. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE A 1.0 FOOT-CANDLE AVERAGE WITH A 0.1 FOOT-CANDLE MINIMUM EMERGENCY ILLUMINATION LEVEL ALONG THE PATH OF EGRESS. ADD ADDITIONAL FIXTURES WHERE REQUIRED TO COMPLY WITH IBC 1006 FOR JURISDICTIONS CURRENTLY USING PRE-2018 IBC, OR 1008 FOR POST 2018 IBC.

EXTERIOR EMERGENCY LIGHTING:
ALL EXTERIOR EMERGENCY LIGHTING IS EXISTING TO REMAIN. ELECTRICAL CONTRACTOR SHALL VERIFY WORKING CONDITION AND REPLACE AS NECESSARY TO COMPLY WITH IBC 1006 FOR JURISDICTIONS CURRENTLY USING PRE-2018 IBC, OR 1008 FOR POST 2018 IBC.

- GENERAL NOTES:**
1. ELECTRICAL CONTRACTOR SHALL INSTALL COMPLETE ELECTRICAL SYSTEMS FOLLOWING THE LATEST ADOPTED VERSION OF THE N.E.C.
 2. ELECTRICAL CONTRACTOR SHALL USE CONNECTORS TO ENTER AND EXIT JUNCTION BOXES.
 3. ELECTRICAL CONTRACTOR SHALL USE UL LISTED JUNCTION BOX COVERS AND ENSURE THEY ARE ON ALL JUNCTION BOXES. LABEL ALL CIRCUITS WITHIN JUNCTION BOX ON OUTSIDE OF JUNCTION BOX COVER.
 4. ELECTRICAL CONTRACTOR SHALL USE STRAPS TO SUPPORT CONDUIT AND WIRE PER N.E.C.
 5. ELECTRICAL CONTRACTOR SHALL ENSURE ALL SPLICES HAVE MECHANICAL CONNECTION. WIRES SHALL BE TWISTED IN A CLOCK-WISE DIRECTION, TRIMMED AND WIRE NUT INSTALLED SO THAT NO BARE COPPER IS EXPOSED. ELECTRICAL CONTRACTOR SHALL ENSURE CONDUIT IS FREE FROM ANY BURRS OR SHARP OBJECTS THAT COULD DAMAGE THE CONDUCTORS INSULATION.
 6. ELECTRICAL CONTRACTOR SHALL NOT EXCEED 360 DEGREES WORTH OF BENDS IN ANY CONDUIT RUN PER N.E.C.
 7. ELECTRICAL CONTRACTOR SHALL NOT OVER FILL CONDUITS OR BOXES PER N.E.C.
 8. ELECTRICAL CONTRACTOR SHALL LABEL ALL RECEPTACLES WITH "P-TOUCH" CLEAR LABELS. PROVIDE PANEL NAME AND CIRCUIT NUMBER. (ie. H1-21, P2A-15, etc.)
 9. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING ELECTRICAL CONDITIONS TO MEET CURRENT N.E.C. CODE REQUIREMENTS. (ie. ACCESS PANELS, RELOCATION OF EXISTING EQUIPMENT/ JUNCTION BOXES TO COMPLY WITH "READILY ACCESSIBLE" REQUIREMENTS, etc.)
 10. ELECTRICAL CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING OF ANY CODE VIOLATIONS WITH INSTALLATION PRIOR TO FINAL INSPECTION.

- BRANCH CIRCUIT NOTES:**
1. ELECTRICAL CONTRACTOR SHALL GROUP CIRCUITS SUCH THAT THERE ARE NO MORE THAN FOUR (4) CIRCUITS IN A HOME RUN.
 2. ALL BRANCH CIRCUITS AND HOMERUNS THAT CONTAIN TWO (2) OR MORE CURRENT CARRYING CONDUCTORS SHALL HAVE A DEDICATED NEUTRAL PER CIRCUIT. ALL DIMMED LIGHTING ZONE SHALL HAVE A DEDICATED NEUTRAL.
 3. MINIMUM ACCEPTABLE SIZE FOR BRANCH CIRCUITS IS 1/2" FOR BRANCH CIRCUITS AND 3/4" FOR HOMERUNS.
 4. ALL CONDUCTORS SHALL BE COPPER AND RATED FOR 600V. THE MINIMUM LINE VOLTAGE CONDUCTOR SIZE SHALL BE #12 AWG COPPER. ALL CONDUCTORS #8 AND SMALLER SHALL HAVE THIN OR THIN INSULATION. ALL CONDUCTORS #4 AWG AND LARGER SHALL HAVE XHHW OR XHHW-2 TYPE INSULATION. ALL CONDUCTOR INSULATION SHALL BE RATED FOR 90 DEGREES. ANY 120V BRANCH CIRCUIT OVER 100'-0" SHALL HAVE #10 AWG MINIMUM AND 277V BRANCH CIRCUITS OVER 200'-0" SHALL HAVE #10 AWG MINIMUM.
 5. ALL CONDUITS SHALL BE INSTALLED IN A NEAT AND ORGANIZED MANNER. CONDUITS SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING LINE. CONDUIT SHALL NOT BE RUN ON EXTERIOR FACES OF THE BUILDING.
 6. ALL ELECTRICAL INSTALLATIONS SHALL COMPLY WITH THE CURRENT ADOPTED NATIONAL ELECTRIC CODE (NEC), INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL ENERGY CONSERVATION CODE (IECC), ANY LOCAL AND STATE ADOPTED CODES AND ORDINANCES, AND LOCAL UTILITY COMPANY REQUIREMENTS.
 7. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A COMPLETE, OPERATIONAL, AND FUNCTIONAL SYSTEM. ANY AND ALL DEVICES, MATERIALS, AND LABOR SHALL BE INCLUDED IN INITIAL BID.
 8. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE ELECTRICAL SYSTEM THAT MEETS THE INTENT OF THESE CONSTRUCTION DOCUMENTS, NOTES, AND SPECIFICATIONS.

UPDATE PANEL SCHEDULES NOTE:
ELECTRICAL CONTRACTOR SHALL UPDATE ALL PANEL SCHEDULES WITH NEW TYPE WRITTEN DIRECTORIES UPON COMPLETION OF WORK.

ALL FIXTURES ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

WELCH & SANDON DESIGN, LLC
ELECTRICAL CONSULTING ENGINEERS

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WSD PROJECT# 22-005

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Expires: 09/30/2023

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2nd CHANCE TREATMENT CENTER

ELECTRICAL LIGHTING PLANS

PROJECT: PROJECT NO: 2125.04
DATE: 12-23-2021
REVISED:
DRAWN BY: WB

SHEET
E3.0
OF

PANELBOARD SCHEDULE NOTES:

EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE. THE IDENTIFICATION SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. SPARE POSITIONS THAT CONTAIN UNUSED OCCURRENT DEVICES OR SWITCHES SHALL BE DESCRIBED ACCORDINGLY. THE IDENTIFICATION SHALL BE INCLUDED IN A CIRCUIT DIRECTORY THAT IS LOCATED ON THE FACE OR INSIDE OF THE PANEL DOOR, IN THE CASE OF A PANELBOARD, AND LOCATED AT EACH SWITCH ON A SWITCHBOARD. NO CIRCUIT SHALL BE DESCRIBED IN A MANNER THAT DEPENDS ON TRANSIENT CONDITIONS OF OCCUPANCY.

ELECTRICAL CONTRACTOR SHALL PROVIDE UPDATED, TYPED PANELBOARD SCHEDULES FOR ALL PANELBOARDS INVOLVED IN THIS REMODEL. INSPECTOR WILL VERIFY AT FINAL INSPECTION.

ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL BREAKERS LABELED AS "SPARE" WITH THIS SYMBOLGY (Δ) UNDER THIS SCOPE OF WORK ARE UN-USED. IF IT IS FOUND THAT ANY OF THESE BREAKERS SERVE LOADS NOT REPRESENTED IN THIS DOCUMENTS, NOTIFY THE ENGINEER IN WRITING SUCH THAT PANELS CAN BE UPDATED.

GENERAL NOTES:

- ELECTRICAL CONTRACTOR SHALL INSTALL COMPLETE ELECTRICAL SYSTEMS FOLLOWING THE LATEST ADOPTED VERSION OF THE N.E.C.
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- ELECTRICAL CONTRACTOR SHALL NOT EXCEED 360 DEGREE'S WORTH OF BENDS IN ANY CONDUIT RUN PER N.E.C.
- ELECTRICAL CONTRACTOR SHALL NOT OVER FILL CONDUITS OR BOXES PER N.E.C.
- ELECTRICAL CONTRACTOR SHALL LABEL ALL RECEPTACLES WITH "P-TOUCH" CLEAR LABELS. PROVIDE PANEL NAME AND CIRCUIT NUMBER. (e. H1-21, P2A-15, etc.)
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING ELECTRICAL CONDITIONS TO MEET CURRENT N.E.C. CODE REQUIREMENTS. (e. ACCESS PANELS, RELOCATION OF EXISTING EQUIPMENT/ JUNCTION BOXES TO COMPLY WITH "READILY ACCESSIBLE" REQUIREMENTS, etc.)
- ELECTRICAL CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING OF ANY CODE VIOLATIONS WITH INSTALLATION PRIOR TO FINAL INSPECTION.

KEYED NOTES

- EXISTING UTILITY TRANSFORMER TO REMAIN.
- EXISTING UTILITY SECONDARIES TO REMAIN.
- EXISTING SERVICE GROUND AND BONDING TO REMAIN.
- EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
- ADD ALT EQUIPMENT x2 (APOU-1) OPTION. REPLACE WITH 30A 2P 4160 WATT @ 208V SINGLE PHASE BREAKER WITH LOCK OFF DEVICE. UPDATE PANEL SCHEDULE TO REFLECT EQUIPMENT CHANGE. SEE E2.0 EQUIPMENT SCHEDULE FOR CONDUIT/CONDUCTOR SIZING.
- ADD ALT EQUIPMENT (APOU-2) OPTION. REPLACE WITH 50A 2P 8320 WATT @ 208V SINGLE PHASE BREAKER WITH LOCK OFF DEVICE. UPDATE PANEL SCHEDULE TO REFLECT EQUIPMENT CHANGE. SEE E2.0 EQUIPMENT SCHEDULE FOR CONDUIT/CONDUCTOR SIZING.
- REPLACE MISSING TIE-BAR ON EXISTING BREAKER.

APPROVED

By David Norton at 5:07 pm, Mar 24, 2022

EXISTING PANELBOARD SCHEDULE "203A"

#	CIRCUIT DESCRIPTION	CB	A#	B#	C#	CB	CIRCUIT DESCRIPTION	#
1	TENANT SIGNAGE- EXISTING	20	1	1080		20	RECEPTS- CONFERENCE	2
3	LIGHTING- OFFICES A	20	1	1800		20	RECEPTS- FRONT OFFICE	4
5	LIGHTING- OFFICES B	20	1	1800		20	RECEPTS- OFFICE 203.12	6
7	LIGHTING- RR/ BREAK/ UTILITY	20	1	1820		20	RECEPTS- EXISTING TMB/ STORAGE RM.	8
9	INSTA-HOT- EXISTING BREAKROOM	20	1	800		20	RECEPTS- RECEPTION	10
11		2				20	BUSED SPACE	12
13	INSTA-HOT- EXISTING RESTROOM 1	20	1	1200		20	RECEPTS- OFFICE 203.16	14
15		2				20	RECEPTS- REST ROOMS/ HALL	16
17	INSTA-HOT- EXISTING RESTROOM 2	20	1	1200		20	RECEPTS- EXISTING SHOW WINDOW 1	18
19		2				20	RECEPTS- EXISTING SHOW WINDOW 2	20
21		40				20	EXISTING DUCT SMOKE DETECTORS	22
23	HVAC 1- EXISTING (5TON)	20	1	3840		20	RECEPTS- LOUNGE/ THERAPY	24
25		3				20	SPARE	26
27		40				20	SPARE	28
29	HVAC 2- EXISTING (5TON)	20	1	3840		20	RECEPTS- BREAK RM. REFRIGERATOR	30
31		3				20	RECEPTS- BREAK RM. COUNTER TOP 1	32
33	RECEPTS- ADMIN/ VITALS 203.10	20	1	1080		20	RECEPTS- BREAK RM. COUNTER TOP 2	34
35	RECEPTS- VITALS 203.05	20	1	180		20	RECEPTS- BREAK RM. COUNTER TOP 3	36
37	RECEPTS- OFFICE 203.08/ 203.11	20	1	1080		20	RECEPTS- BREAK RM. COUNTER TOP 4	38
39	SPARE	20	1			20	SPARE	40
41	SPARE	20	1			20	SPARE	42
TOTAL NEW VA PER PHASE			4860	4140	4600	NOTES: 13600		
WORST CASE EXISTING LOAD			13500	12050	12000	1.		
TOTAL WORST CASE LOAD			18360	16190	16600	2.		
TOTAL AMPS PER PHASE			153.0	134.9	138.3			

- NEW CIRCUIT BREAKER
- LOCK-ON TYPE CIRCUIT BREAKER
- CONT. LOAD (@ 125%)
- CIRCUIT VIA LTC. CNTL.
- LOCK-OFF TYPE CIRCUIT BREAKER
- AFO TYPE CIRCUIT BREAKER
- GFCI TYPE CIRCUIT BREAKER
- EXISTING C.B. RELABELED AS "SPARE"
- EXISTING C.B. WITH LOAD UNCHANGED
- EXISTING C.B. WITH LOAD CHANGING

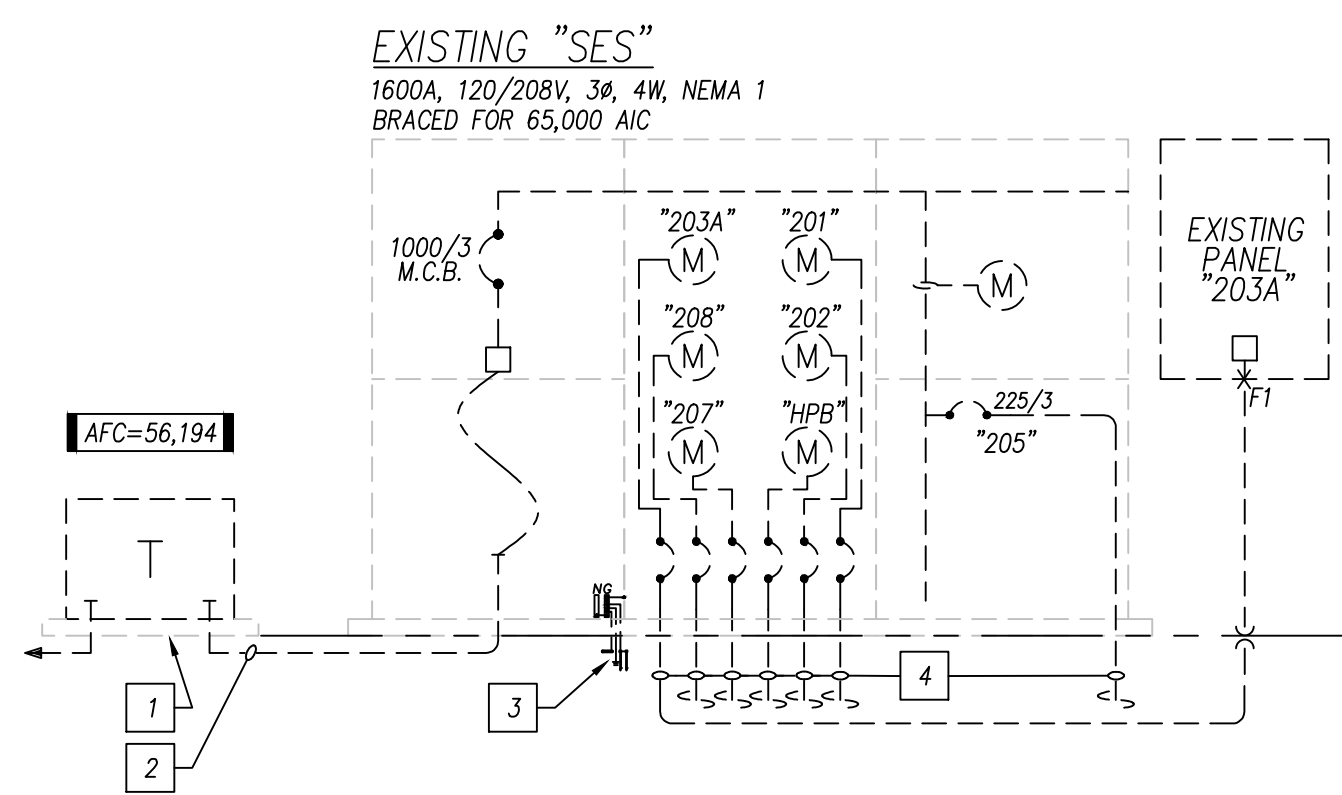
"SES" LOAD SUMMARY

EXISTING LOAD ON SES PER NEC 220.87	=	22843.5 VA
TOTAL LIGHTING LOAD CHANGE (REFER TO LOAD SUMMARY ON LIGHTING PLAN)	=	-852.5 VA
TOTAL POWER LOAD CHANGE (DEMO LOAD PLUS NEW POWER ADDED)	=	9820.0 VA
REVISED TOTAL LOAD	=	31811.0 VA
TOTAL LOAD ON "SES" @ 208V/3Ø	=	88 AMPS
ADD ALT. LOAD SUMMARY		
REVISED TOTAL LOAD	=	31811.0 VA
POU HEATERS REMOVED (2.4kW x3)	=	-7200.0 VA
ADD ALT POU HEATERS (4.16kW x2) + (8.32kW)	=	16640.0 VA
REVISED TOTAL LOAD	=	41251.0 VA
TOTAL LOAD ON "SES" @ 208V/3Ø	=	115 AMPS

Fault Calculation

Fault #	Point A	Point B	Isc Primary	Length	Wire Size	Cu or Al	M or NM	"C" Value	Sets	Vp	Vs	Phase	kVA	%Z	Isc Secondary
F1	SES	203A	56194	80	#3/0	Cu	NM	13923	1	208	208	3			15234

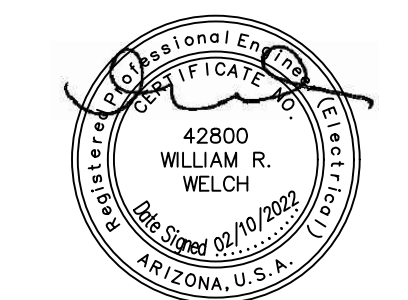
CONDUCTOR LENGTHS SHOWN IN CALCULATIONS ARE FOR ENGINEERING PURPOSES ONLY. THESE LENGTHS SHALL NOT BE USED FOR BIDDING PURPOSES. THE ELECTRICAL CONTRACTOR SHALL VERIFY EXACT ROUTING OF FEEDERS AND LENGTH REQUIRED FOR FIELD CONDITIONS. NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES.



ELECTRICAL ONE-LINE DIAGRAM

N.T.S.

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PROJECT:

SHEET TITLE:

PROJECT NO: 2125.04
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OF

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