	PROJECT SUMMARY		CODE INFO
BUILDING INFORMATION:		BUILDING CRITERIA:	
ADDRESS:	8310 SOUTH VALLEY HWY, SUITE 100, ENGLEWOOD, COLORADO 80112	EXISTING OCCUPANCY: PROPOSED OCCUPANC TYPE OF CONTRUCTION	Y: BUSINESS (UNCHANGED)
PROJECT DESCRIPTION:	TENANT IMPROVEMENT FOR A COSMETIC BEAUTY STUDIO. THE SOW INCLUDES REMOVAL OF A LOAD-BEARING WALL AND ADDING ONE ROUGH DOOR OPENING.THE PROPOSED SCOPE OF WORK DOES NOT THE SITE, PARKING, OR EXISTING BUILDING SQUARE FOOTAGE.	MEANS OF EGRESS: RE	
FULL LEGAL DESCRIPTION:	LOT 1 CASTLE VIEW HEIGHTS AMENDED 6TH AMEND 9.738 AM/L, T6S & R67W, SECTION 3 DOUGLAS COUNTY, STATE OF COLORADO	EXIT SEPERATION: 80'-6	KIT DOOR AND POINT OF EGRESS CHOICE "
LOT AREA:	9.74 ACRES	OVERALL DIAGONAL: 98	
PROJECT AREA:		APPLICABLE BUILDING 2023 NATIONAL ELECTR 2021 INTERNATIONAL BU	ICAL CODE
SUITE 100 :	8,870 GSF (UNCHANGED)	2021 INTERNATIONAL BC 2021 INTERNATIONAL ME 2021 INTERNATIONAL PL	ECHANICAL CODE
E) TOTAL BUILDING AREA:	230,730 SF		ERGY CONSERVATION CODE
ZONING CODE & INFORMATI	<u>ON:</u>	2021 INTERNATIONAL EX	KISTING BUILDING CODE ROPERTY MAINTENANCE CODE
DOUGLAS COUNTY C - COMMERCIAL DISTRICT		OCCUPANT LOAD:	
PRIMARY BUILDING:		15SF PER OCCUPANT -B	
USE: COMMERCIAL BUILDING SETBACK: N/A (IN1	TERIOR RENOVATION ONLY)	150SF PER OCCUPANT - 300SF PER OCCUPANT - TOTAL OCCUPANTS: 43 RE: A02 FOR CODE PLAN	STORAGE OCCUPANTS
PARKING: 17 PARKING SPAC	CES (EXISTING), 0 ACCESSBILE	TRAVEL DISTANCES (IB)	
ZONING REQUIREMENTS:		300 FT MAXIMUM	
SETBACKS - N/A SITE COVERAGE - N/A BUILDING HEIGHT - N/A		FIRE EXTINGUISHERS: P ACCESSIBILITY:	VS <u>.8 EXCEPTION):</u> DEFERRED SUBMITTAL. TO BE PROVIDED: (1) (REFER TO LOCATIONS ON A02) BLE RESTROOM STALL WITH THE TENANT SPACE
DEFERRED SUBMITTALS: FI	RE ALARM SYSTEM, FIRE SPRINKLER SYSTEM, METAL STUD WALS		
			STANDARD
	ECTING		ALUMINUM
<u>CO</u>	<u>NFIDENCE</u>		BATT INSULATION
			CAST-IN-PLACE AND PRECAST CONCRETE
	NANT		CEMENTITIOUS FIREPROOFING
			CONCRETE MASONRY UNITS
IMF	PROVEMENT		CONCRETE, STUCCO, PLASTER OR GYPSUN BOARD (ELEVATION)

8310 SOUTH VALLEY HWY, SUITE 100 ENGLEWOOD, COLORADO 80112

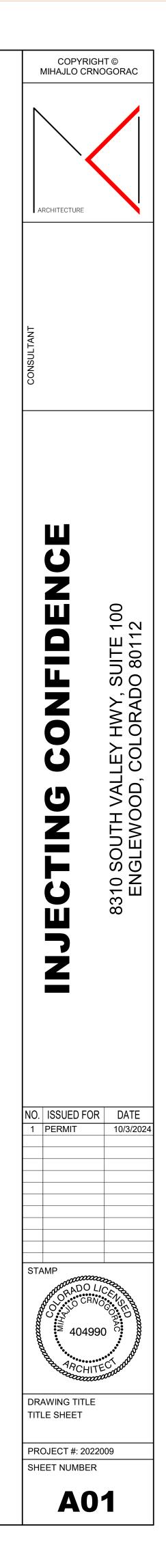
TEAM INFORMATION			
/NER	ARCHITECT	MECH/PLUMBING	
HRA INVERNESS POINT	MC ARCHITECTURE LLC 6620 S LOCUST WAY	BRIAN SEYFERTH & ASSOCIATES 5583 S PRINCE ST # B	Sheet #
	CENTENNIAL, CO 80111	LITTLETON, CO 80120	ARCHITECTURAL
E: (303) 565-5755	CENTENNIAL, CO 80111	EITTLETON, CO 80120	A01
E. (303) 303-3733	PHONE: (912) 332-9045	PHONE: (303) 797-7772	A02 0
	THOME. (312) 302-3043	1110NE. (003) 131-1112	A03 [
			MECHANICAL
			M-0 M-1
			M-2 I
NTRACTOR	STRUCTURAL	ELECTRICAL	PLUMBING
NINACIÓN	STRUCTURAL	LLLCINICAL	P-0 F
			P-1 F
BRIDGE CONSTRUCTION	NA	MC+ ENGINEERING	P-2 F
		3317 W 113TH AVE	P-3 \
ENVER, CO 80231		WESTMINSTER, CO 80031	ELECTRICAL
			E0.1 E
E: (720) 930-5728		PHONE: (303) 469-5101	E1.1 F
			E2.1
			E3.1 (

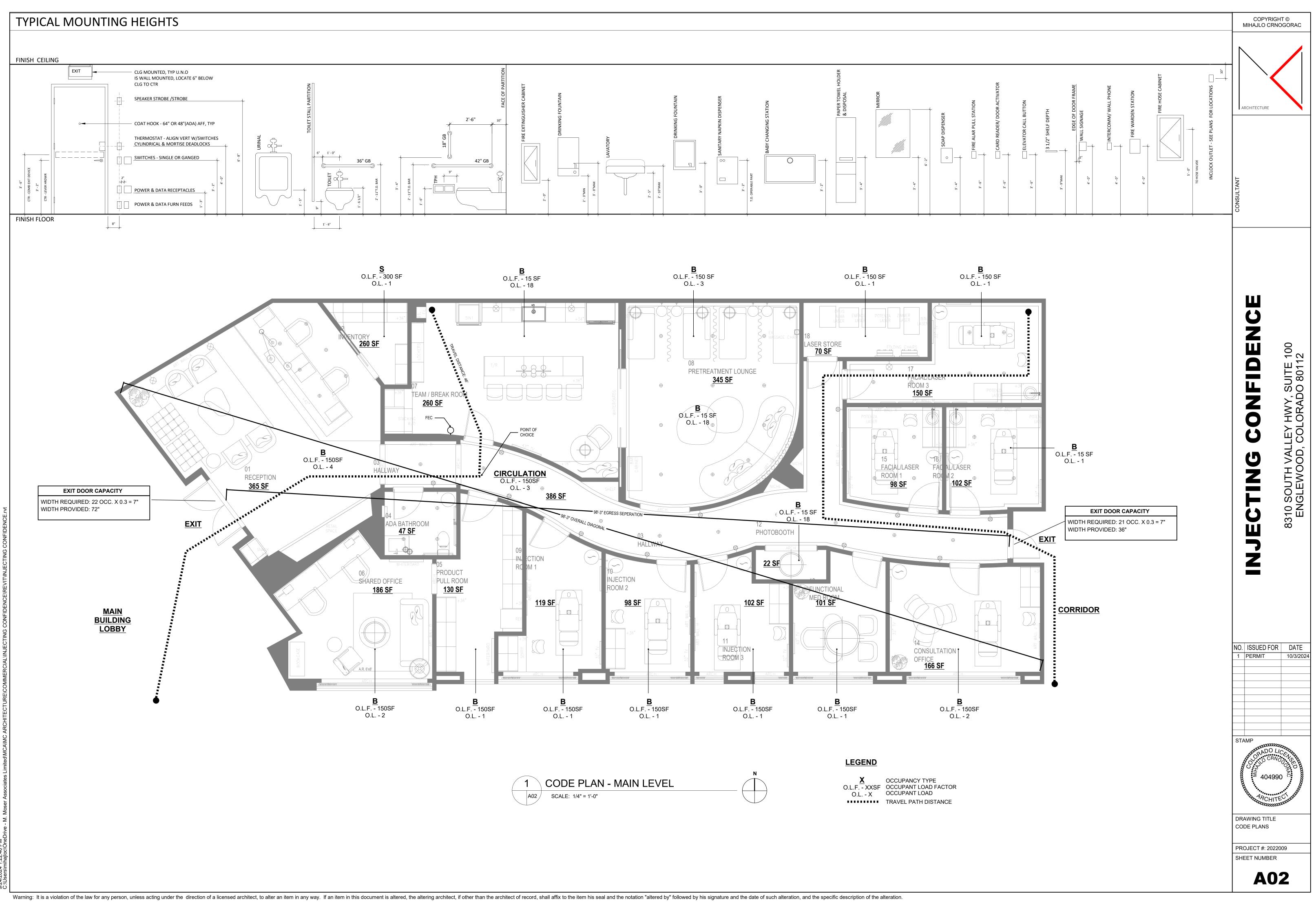
FIRESAFING

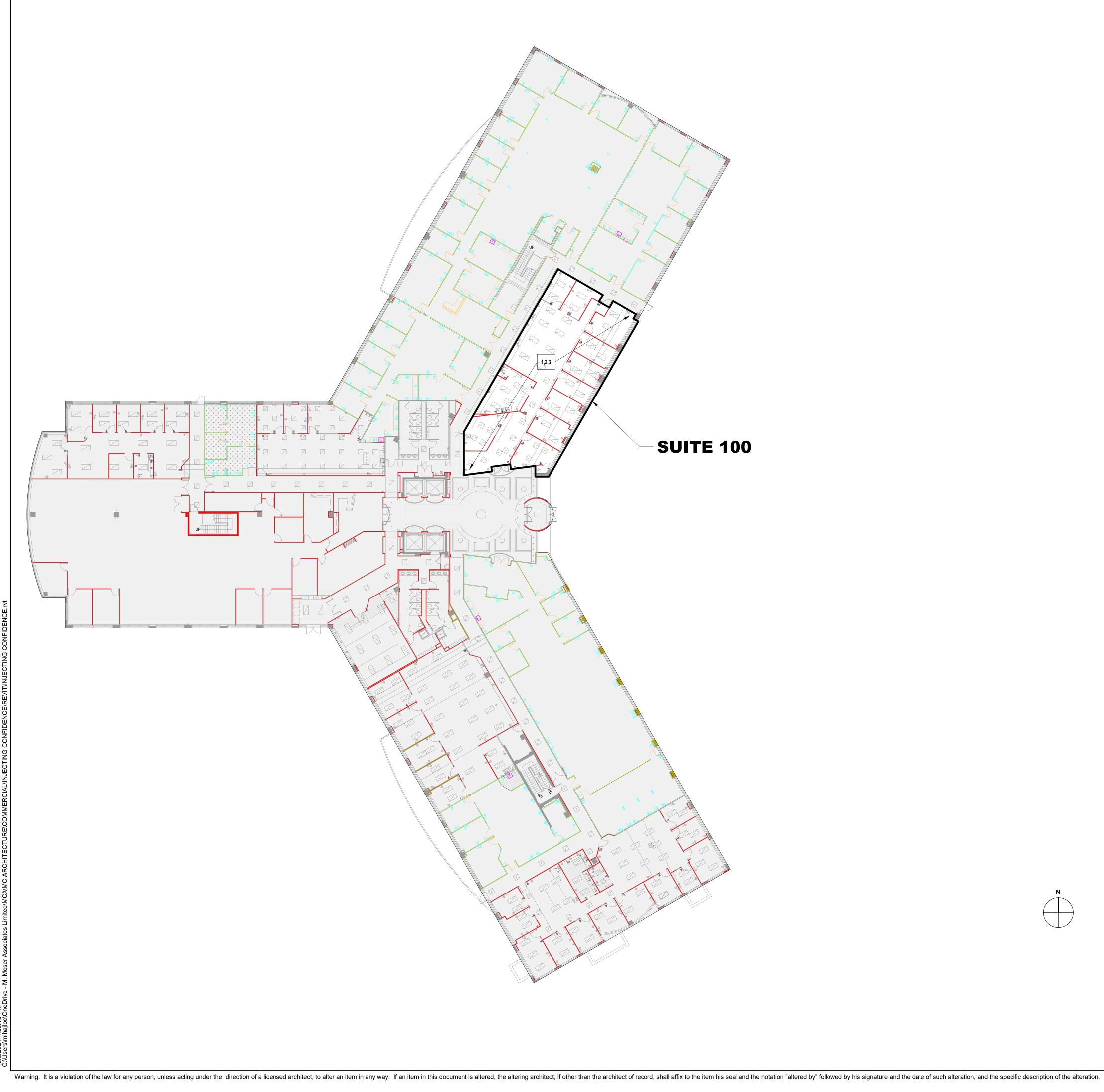
FINISH WOOD (SECTION / END)

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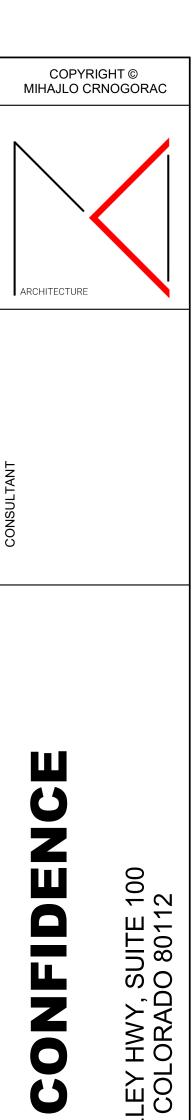
FO &	ANALYSIS	GENERAL NOTES		STANDARD SYMBOLS
<u>c</u>	CODE PLUMBING COUNT (IBC TABLE 2902.1)	COMPLIANCE		DRAWING NUMBER
	OTAL OCCUPANTS = 43	1. ALL WORK SHALL CONFORM TO AND SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE		1 VIEW NAME DRAWING TITLE
5	BUSINESS: 0% MENS: 21	BUILDING CODES AND ALL FEDERAL, STATE, COUNTY, CITY AND LOCAL LAWS, CODES, REGULATIONS, ORDINANCES, PERMITS AND THE CONTRACT DOCUMENTS AS EACH MAY APPLY.	DRAWING TITLE & GRAPHIC SCALE	
	0% WOMENS: 22	SAFETY		A1100 A2100 SCALE: 1/8" = 1'-0" - SCALE SHEET NUMBER DRAWING IS LOCATED
N	IENS WC REQ'D/ PROVIDED (1 PER 25) = 1 / 1 IENS LAVATORIES REQ'D/ PROVIDED (1 PER 40) = 1/1	1. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE		SHEET WHERE DRAWING IS REFERENCED FROM
	IENS URINAL REQ'D/ <u>PROVIDED</u> = NA/NA	METHODS OF CONSTRUCTION. THE CONTRACTOR(S) SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES		DRAWING NUMBER
	VOMENS WC REQ'D/ <u>PROVIDED (1 PER 25)</u> = 1/ 1 VOMENS LAVATORIES REQ'D/ <u>PROVIDED (1 PER 40)</u> =1/1	AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO BRACING, SCAFFOLDING, AND SHORING. 2. THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION	SECTION/DETAIL MARKER	
	RINKING FOUNTAINS: 1 PROVIDED (BREAK ROOM)	PRACTICES, THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION, INCLUDING THE SAFETY OF ALL PERSONS		SHEET NUMBER DRAWING IS LOCATED
	HOWER: NOT REQ'D ITILITY SINKS: 1 PROVIDED	AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.		DRAWING NUMBER
		DISCREPANCIES	ELEVATION EXTERIOR BUILDING	
		1. THE CONTRACTOR(S) SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS IN THE AREAS OF CONSTRUCTION PRIOR TO SUBMITTING BIDS AND/OR THE COMMENCEMENT OF		A1100-SHEET NUMBER DRAWING IS LOCATED
		ANY WORK. 2. ANY DISCREPANCIES OR HIDDEN CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE		
		ATTENTION OF THE ARCHITECT. 3. CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONTRACT DOCUMENTS AND/OR EXISTING		
		CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/OWNER PRIOR TO THE START OF WORK.	ELEVATION INTERIOR	1 A1100 1 SHEET NUMBER DRAWING IS LOCATED
		4. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR COORDINATING THE SCHEDULING AND WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE		NO FILL INDICATES NO ELEVATION
		ATTENTION OF THE ARCHITECT/OWNER AND SHALL BE RESOLVED PRIOR TO PROCEEDING WITH THE WORK.		
		5. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH SPECIFIC NOTES AND DETAILS. WHERE CONDITIONS ARE NOT SPECIFICALLY		DRAWING NUMBER
		INDICATED, BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS SHALL BE USED, SUBJECT TO THE REVIEW OF THE ARCHITECT/OWNER.		SHEET NUMBER DRAWING IS LOCATED
		6. NO PIPES, DUCTS, SLEEVES, CHASES, ETC., SHALL BE PLACED IN SLABS, BEAMS, OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED. NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS,	ENLARGED DETAIL OR PLAN INDICATOR	
	FIRE ALARM SUBCONTRACTOR	ETC., UNLESS OTHERWISE NOTED. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS		
N A02)		FOR LOCATIONS. 7. THE CONTRACTOR SHALL NOT DETAIL, ORDER AND/OR FABRICATE ANY MATERIAL WITHOUT FIRST		DETAIL CALLOUT, BUBBLE MAY VARY IN SIZE AND SHAPE
NT SPACE		COORDINATING THE SAME WITH THE ACTUAL FIELD CONDITIONS. THE CONTRACTOR ALONE IS RESPONSIBLE FOR THE PROPER FITTING AND CONNECTION OF MATERIALS AND EQUIPMENT.		USED ON BUILDING ELEVATIONS, BUILDING SECTIONS, WALL
		WORKMANSHIP	ELEVATION LEVEL	SECTIONS AND DETAILS
		1. THESE CONTRACT DOCUMENTS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE	MARKERS	100' - 0" FLOOR ELEVATION
		ARCHITECTURAL DESIGN CONCEPT, THE DIMENSIONS OF THE BUILDING, MAJOR ARCHITECTURAL ELEMENTS, AND THE TYPE OF STRUCTURAL SYSTEMS. ON THE BASIS OF THE GENERAL SCOPE		
RD M	ATERIALS	INDICATED OR DESCRIBED, THE CONTRACTOR(S) SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.		
		2. ALL WORK SHALL BE PERFORMED IN BEST QUALITY AND WORKMANLIKE MANNER IN CONFORMITY WITH THE CONTRACT DOCUMENTS, AND SHALL BE IN GOOD USABLE CONDITION AT THE	SPOT ELEVATIONS	100'-10 1/2"
	RIGID OR FOAM INSULATION	COMPLETION OF THE PROJECT. 3. ALL TRADES SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.		ELEVATION
		4. THE CONTRACTOR(S) SHALL KEEP THE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIALS AND DEBRIS. THE PROJECT SITE SHALL BE MAINTAINED IN A CLEAN, ORDERLY CONDITION		INDICATES DIMENSIONS TO FACE OF FINISHED MATERIAL OR T CENTERLINE (UON)
	ROUGH WOOD FRAMING AND BLOCKING	FREE OF DEBRIS AND LITTER, AND SHALL NOT BE UNREASONABLY ENCUMBERED WITH ANY MATERIALS OR EQUIPMENT. EACH SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS CONSEQUENTIAL TO HIS WORK DAILY AND IMMEDIATELY UPON COMPLETION OF EACH PHASE OR		CENTERLINE (UON) 1 67/256" COLUMN OR GRID LINE
	(SECTION / END)	PORTION OF HIS WORK. 5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF HIS WORK DURING STORAGE, TRANSIT,	DIMENSIONING AND GRIDS	
CRETE	SAND OR PLASTER	INSTALLATION AND UNTIL FINAL OWNER ACCEPTANCE. UPON COMPLETION, THE CONTRACTOR SHALL CLEAN ALL WORK AND REPAIR AND REFINISH ANY DAMAGE TO THE SATISFACTION OF THE		
		DESIGNER AND THE OWNER AS PART OF THE CONTRACT. 6. WHEN THE MANUFACTURERS OF MATERIALS OR FIXTURES USED ON THIS PROJECT PROVIDE		COLUMN OR GRID REFERENCE NUMBERS
		MAINTENANCE OR INSTALLATION DIRECTIONS NOT COVERED IN THE SPECIFICATIONS OR DETAILED ON THE DRAWINGS, THE CONTRACTOR FURNISHING THE ITEM SHALL FOLLOW SUCH DIRECTIONS AND	ALIGN SYMBOL	ALIGN THIS SYMBOL TAKES PRECEDENCE OVER DIMENSIONS
		SHALL ISSUE APPROPRIATE COPIES TO HIS SUBCONTRACTORS AND TO OTHER AFFECTED CONTRACTORS.		
	STEEL	7. INSTALL ALL ITEMS RIGID AND SECURE, PLUMB AND LEVEL. IN ALL INSTANCES WHERE MILLWORK OR CASEWORK ADJOINS OTHER WORK, THE MILLWORK OR CASEWORK SHALL BE SCRIBE CUT TO MAKE A		
		NEAT AND PRESENTABLE JOINT. 8. WHERE NEW CONSTRUCTION MEETS EXISTING ADJACENT MATERIALS, CONTRACTOR SHALL	ROOM NAME AND	ROOM NUMBER (LAST TWO DIGITS TYPICALLY)
GYPSUM		COORDINATE WITH THE ARCHITECT ALL AREAS REQUIRING TOUCH UP WORK OR FINISH MATCHING TO BLEND NEW CONSTRUCTION WITH EXISTING	NUMBER	LEVEL OR FLOOR NUMBER TYPICALLY)
	STONE	WALLS AND CEILINGS		DOOR NUMBER (ROOM TO WHICH DOOR SWINGS)
	PLYWOOD	1. THE FLOOR PLANS SHOW THE LOCATIONS OF THE VARIOUS WALL TYPES. REFER TO PROJECT WALL		
	PLYWOOD	TYPES FOR CONSTRUCTION AND SPECIFICATIONS. 2. PARTITIONS DETAILED WITH SPECIFIC S.T.C. RATINGS AND FIRE RESISTIVE RATINGS ARE THE	DOOR NUMBER	(9999A) SUB NUMBER (FOR MORE THAN ONE DOOR SWINGING FROM A ROOM) REFER TO DOOR SCHEDULE FOR DOOR TYPE, SIZE, MATERIAL, FINISH, HARDWARE, ETC.
Y	POROUS FILL (GRAVEL) OR	STANDARD TESTED SYSTEMS PUBLISHED BY THE GYPSUM ASSOCIATION. EXCEPT AS NOTED BY THESE DRAWINGS AND THE SPECIFICATIONS, INSTALL PARTITIONS IN STRICT ACCORDANCE WITH THE		
	ROOF BALLAST	MANUFACTURERS PUBLISHED SPECIFICATIONS AND DETAILS TO ACHIEVE THE REQUIRED S.T.C. AND FIRE RESISTIVE RATINGS.	WINDOW TAG	DIGIT INDICATES WINDOW TYPE - SHOWN ON BUILDING ELEVATION, SEE WINDOW SCHEDULE FOR MORE INFORMATION
		3. INCREASE STUD DEPTH AND/OR GAUGE WHERE REQUIRED FOR HANGERS, ELECTRICAL PANELS, PLUMBING LINES, ELECTRICAL CONDUITS, AND SIMILAR ITEMS. VERIFY LOCATIONS WITH THE OTHER		
		CONTRACTORS AND REVIEW FURRED AREAS IN ADDITION TO THOSE SHOWN ON THE CONTRACT DOCUMENTS WITH THE ARCHITECT/OWNER PRIOR TO INSTALLATION. REFER TO PARTITION NOTES FOR ADDITIONAL INFORMATION.		
		4. CONTRACTOR(S) SHALL PROVIDE ADEQUATE BLOCKING AND/OR BACKING PLATES IN WALLS AND CEILINGS FOR THE SECURE ATTACHMENT OF ALL FIXTURES, EQUIPMENT, WALL MOUNTED LIGHT	EXTERIOR SYSTEMS TAGS	FS-XX×x FOUNDATION SYSTEM - SEE SYSTEMS TYPE SHEET
		FIXTURES, CHANDELIERS, CANOPIES, DRAPERY TRACKS, VALENCES, CABINETS, PLUMBING AND SIMILAR ITEMS. THE DRYWALL CONTRACTOR IS RESPONSIBLE TO SEE THAT THE VARIOUS OTHER TRACES SUBMIT TURIES SUCH DRAWINGS, SPECIAL DETAILS, AND THE RACKING PLATES IN AMPLIFITING.		WS-xx EXTERIOR WALL SYSTEM - SEE SYSTEMS TYPE SHEET
СП	EET INNEV	TRADES SUBMIT THEIR SHOP DRAWINGS, SPECIAL DETAILS AND THE BACKING PLATES IN AMPLE TIME FOR INSTALLATION. BACKING PLATES SHALL BE OF THE SIZE AND SHALL BE FASTENED ACCORDING TO THE REQUIREMENTS OF THE SHOP DRAWINGS AND SPECIAL DETAILS ABOVE. BACKING PLATES SHALL BE 6" WIDE (MINIMUM 18 CALICE (MINIMUM SHEET METAL AND SHALL BE LONG).		SOFFIT SYSTEM - SEE SYSTEMS TYPE SHEET
34	EET INDEX	DRAWINGS AND SPECIAL DETAILS ABOVE. BACKING PLATES SHALL BE 6" WIDE (MINIMUM) 18 GAUGE (MINIMUM) SHEET METAL AND SHALL BE LONG ENOUGH TO COVED AT LEAST 2 STUDS (MINIMUM), DACKING PLATES SHALL BE FASTENED TO FACULISTUD AT TOD		ROOF SYSTEM - SEE SYSTEMS TYPE SHEET
	n + Date	COVER AT LEAST 3 STUDS (MINIMUM). BACKING PLATES SHALL BE FASTENED TO EACH STUD AT TOP AND BOTTOM OF PLATE (MINIMUM). MILLWORK AND CASEWORK SUPPLIERS SHALL PROVIDE		
+ #	Sheet Name	ADEQUATE BLOCKING AND/OR BACKING TO SUPPORT ALL UNITS WHICH THEY SUPPLY. (SUBJECT TO ARCHITECT'S APPROVAL). 5. PARTITIONS AND CEILINGS SHALL BE PLUMB, LEVEL, SQUARE, AND TRUE TO INTENDED LINE IN	CEILING HEIGHT TAG	INDICATES HEIGHT OF CEILING ABOVE FINISHED FLOOR
t#		5. PARTITIONS AND CEILINGS SHALL BE PLOMB, LEVEL, SQUARE, AND TRUE TO INTENDED LINE IN ACCORDANCE WITH THE TOLERANCES IN THE SPECIFICATIONS OR RECOMMENDED TRADE STANDARD, WHICHEVER IS MORE STRINGENT.		1'-0" INDICATES HEIGHT OF CEILING ABOVE FINISHED FLOOR
TURAL A01 TITLE SHEE	T X	6. THE CONTRACTOR(S) SHALL COORDINATE MAXIMUM ALLOWABLE INTERIOR AND EXTERIOR PARTITION HEIGHTS BASED ON THE STUD MANUFACTURER'S PUBLICATIONS AND/OR ARCHITECT APPROVED SHOP DRAWINGS, SPECIFICATIONS AND DATA. WHERE SPECIFIC CONDITIONS		
A02 CODE PLAN	IS X	REQUIRE GREATER HEIGHTS, ANY OR ALL OF THE FOLLOWING SHALL BE DONE: INCREASE STUD DEPTH, INCREASE STUD GAUGE, DECREASE STUD SPACING, AND/OR BRACE PARTITION TO THE BUILDING STRUCTURE ABOVE THE ADJACENT CEILINGS. STUD MANUFACTURER TO PROVIDE DESIGN	FINISH TAG	P-01 REFER TO SCHEDULE OF COLORS AND FINISHES FOR ADDITION INFORMATION ABOUT THIS FINISH
A03 DEMOLITIO		FOR STUDS BEYOND THE ALLOWABLE MAXIMUM PARTITION HEIGHT. REFER TO PARTITION NOTES FOR ADDITIONAL INFORMATION. 7. IN FIRE-RATED WALLS, INCREASE GYPSUM WALLBOARD THICKNESS BEHIND AND AROUND NON-RATED RECESSED OR SEMI-RECESSED		
	AL NOTES & SCHEDULES X AL DEMOLITION PLAN X	7. IN FIRE-RATED WALLS, INCREASE GYPSUM WALLBOARD THICKNESS BEHIND AND AROUND NON-RATED RECESSED OR SEMI-RECESSED ELECTRICAL PANELS, TOILET ACCESSORIES AND SIMILAR ITEMS AS REQUIRED BY CODE.	EQUIPMENT, CASEWORK AND TOILET ACCESSORY	
M-2 MECHANICA				TA-3 LETTER INDICATES ITEM TYPE
	NOTES & SCHEDULES X			
P-1 PLUMBING I P-2 PLUMBING I	DEMOLITION PLAN X		REVISION OR ADDENDUM NUMBER	
P-3 WASTE PIPI				
E0.1 ELECTRICA	L LEGEND & SPECIFICATIONS X			CLOUD INDICATES AREA MODIFIED
E1.1 POWER PLA E2.1 LIGHTING P	AN X		KEYED NOTATION	? ? SPECIFIC NOTATIONS ON A SHEET
E2.2 COMCHECK	(REPORT X			
E3.1 ONE LINE D	IAGRAM & PANEL SCHEDULES X		ELEVATION CHANGE	INDICATED CHANGE IN ELEVATION (EITHER PLAN OR ELEVATIO CHANGE)







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8310 SOUTH VALLEY HWY, SUITE 100 ENGLEWOOD, COLORADO 80112

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INJECTIN NO. ISSUED FOR DATE 1 PERMIT 10/3/2024 STAMP ADO LIC 404990

DRAWING TITLE DEMOLITION PLAN

PROJECT #: 2022009 SHEET NUMBER

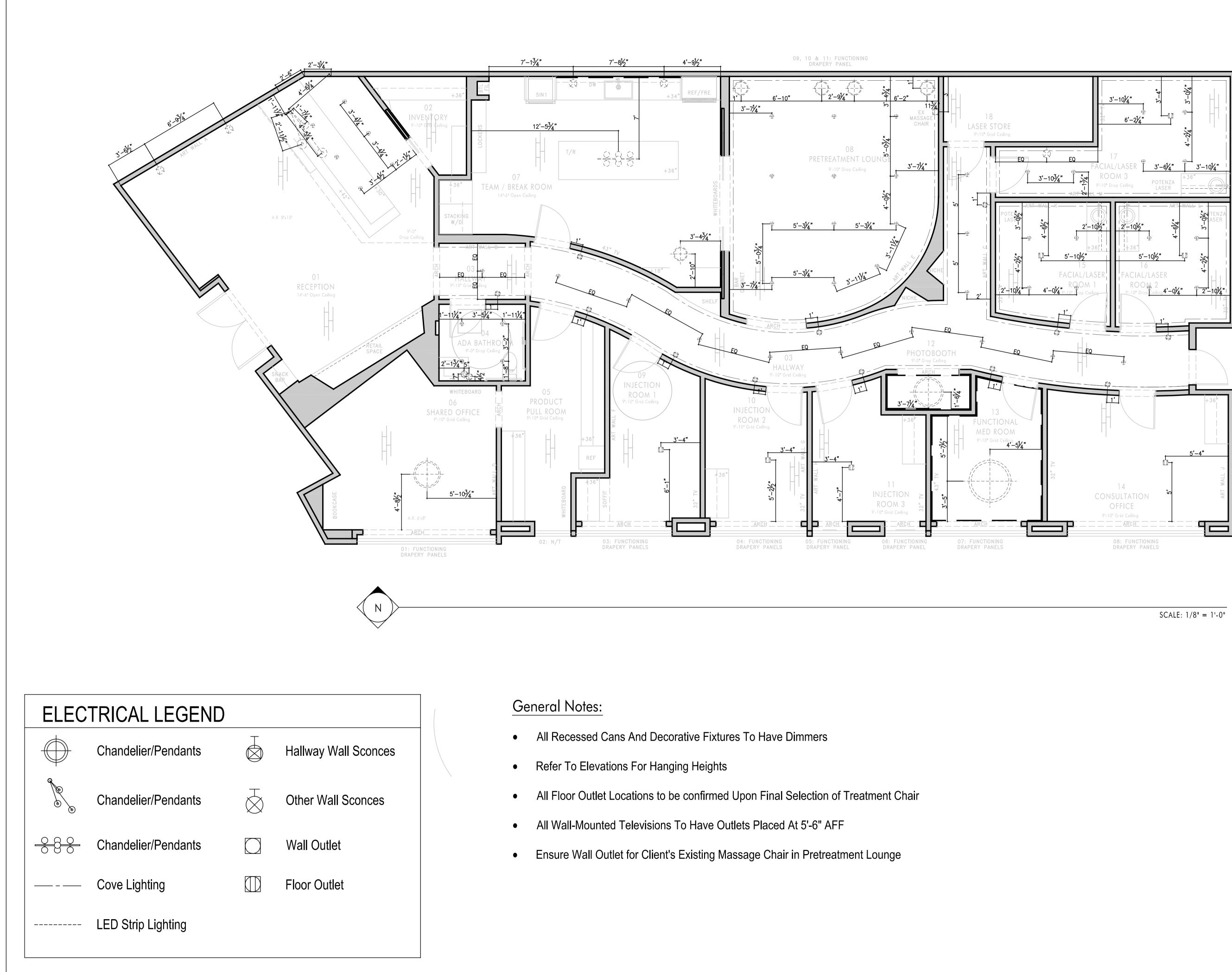


DEMO KEY NOTES

1 REMOVE ALL EXISTING INTERIOR PARTITION (NON-LOAD BEARING)

2 REMOVE ALL EXISTING INTERIOR DOORS AND FRAMES, EXCEPT FOR EGRESS DOORS WHICH ARE TO REMAIN.

3 REMOVE ALL EXISTING ACT TILE





INSIDE STORIES

Date	Remarks
08.30.24	Schematic

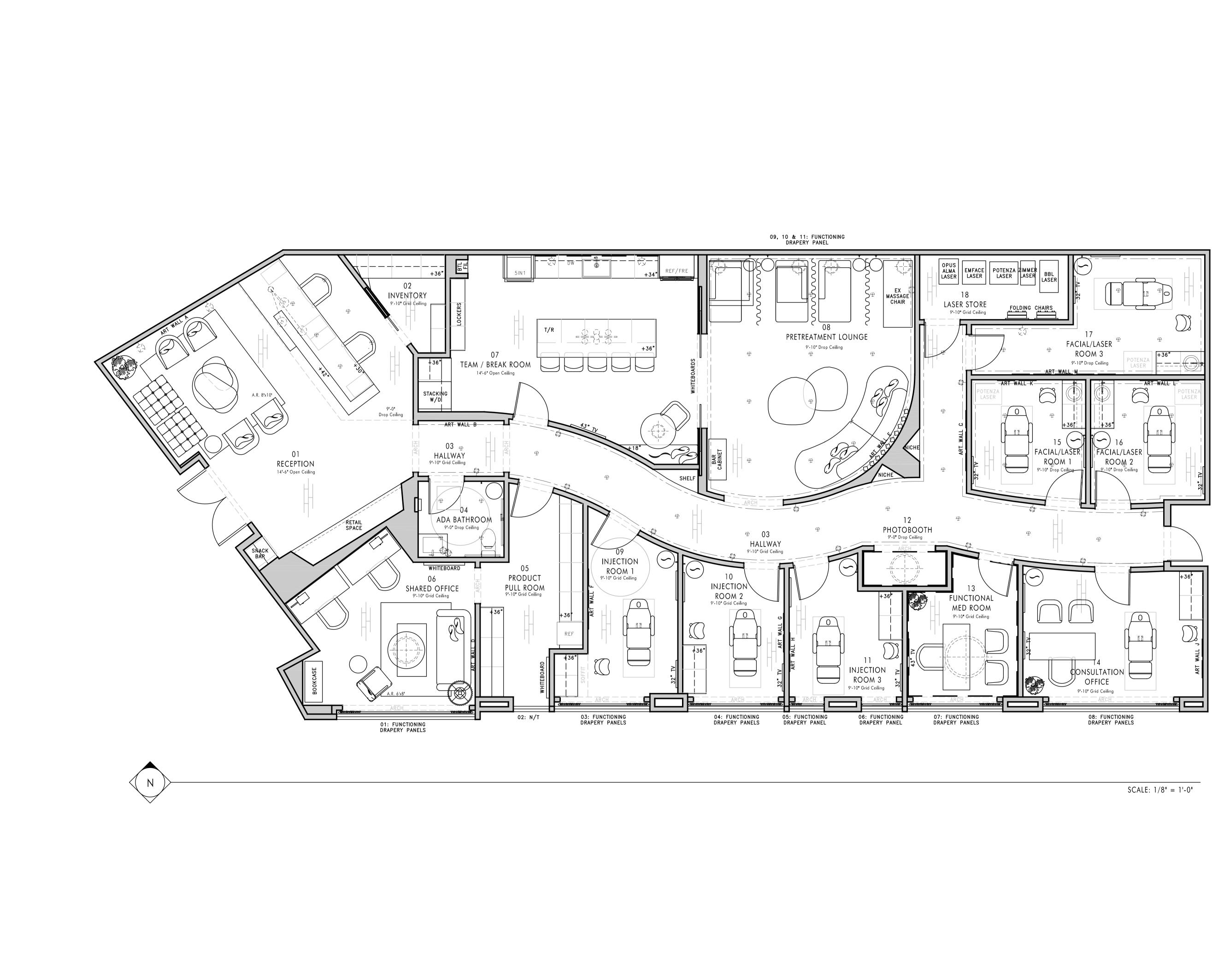
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MAIN LEVEL LIGHTING PLAN

SHEET # FP1.2





INSIDE STORIES

Date	Remarks
08.23.24	Schematic Design
08.30.24	SD Revisions

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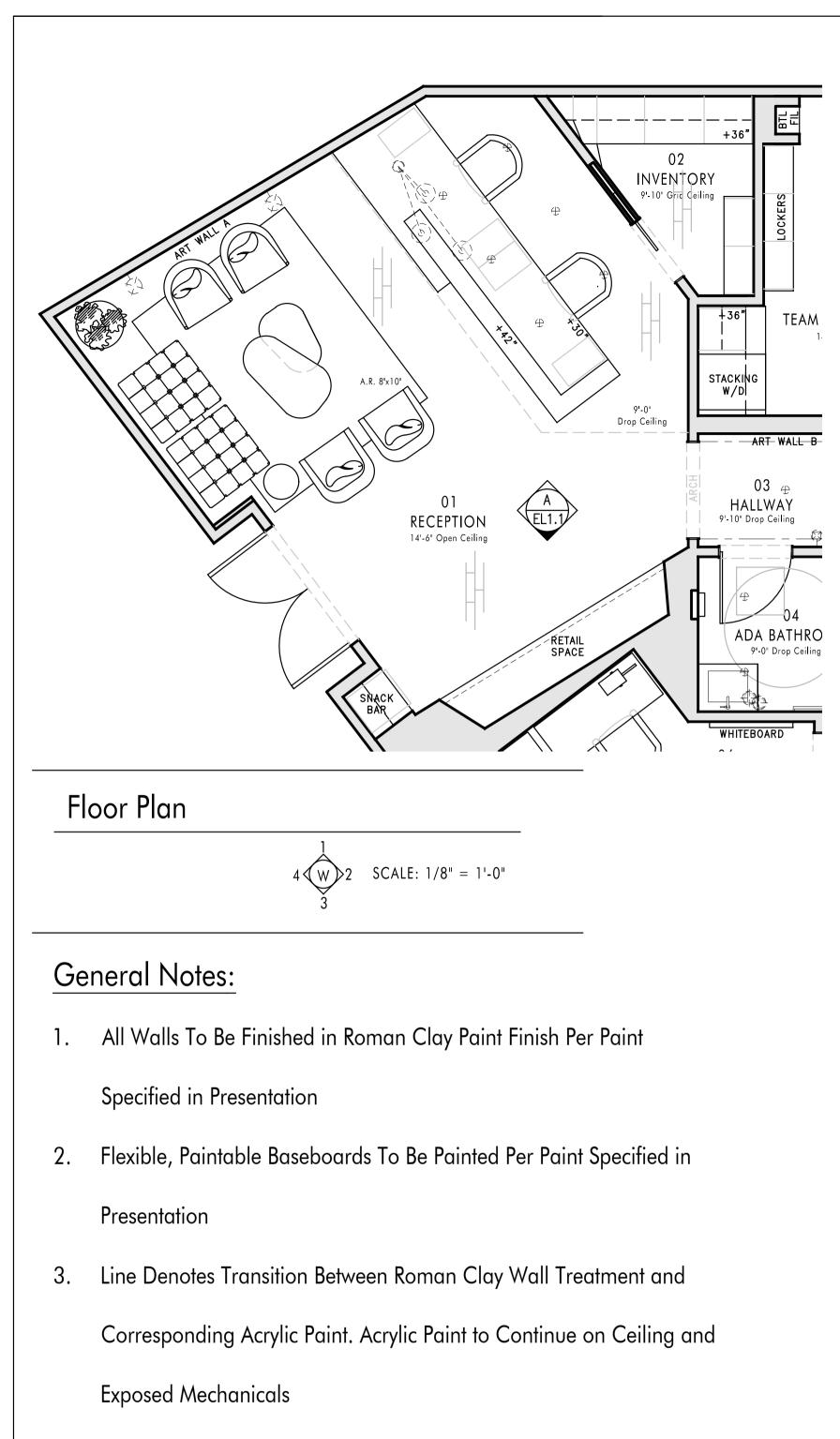
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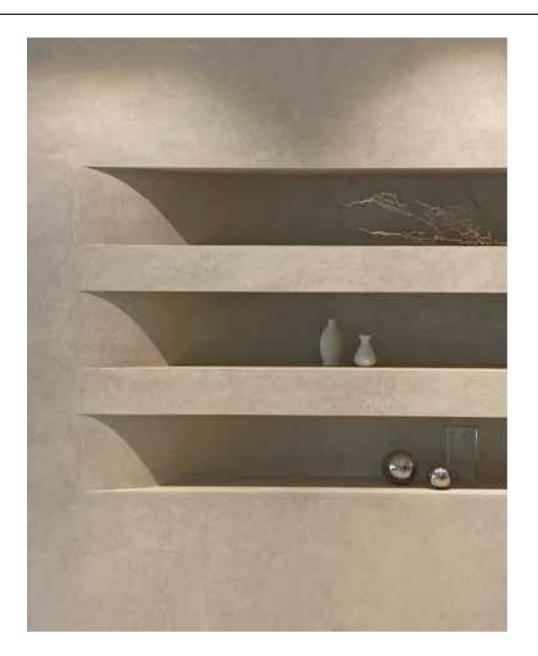
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MAIN LEVEL FLOOR PLAN

SHEET # FP1.1

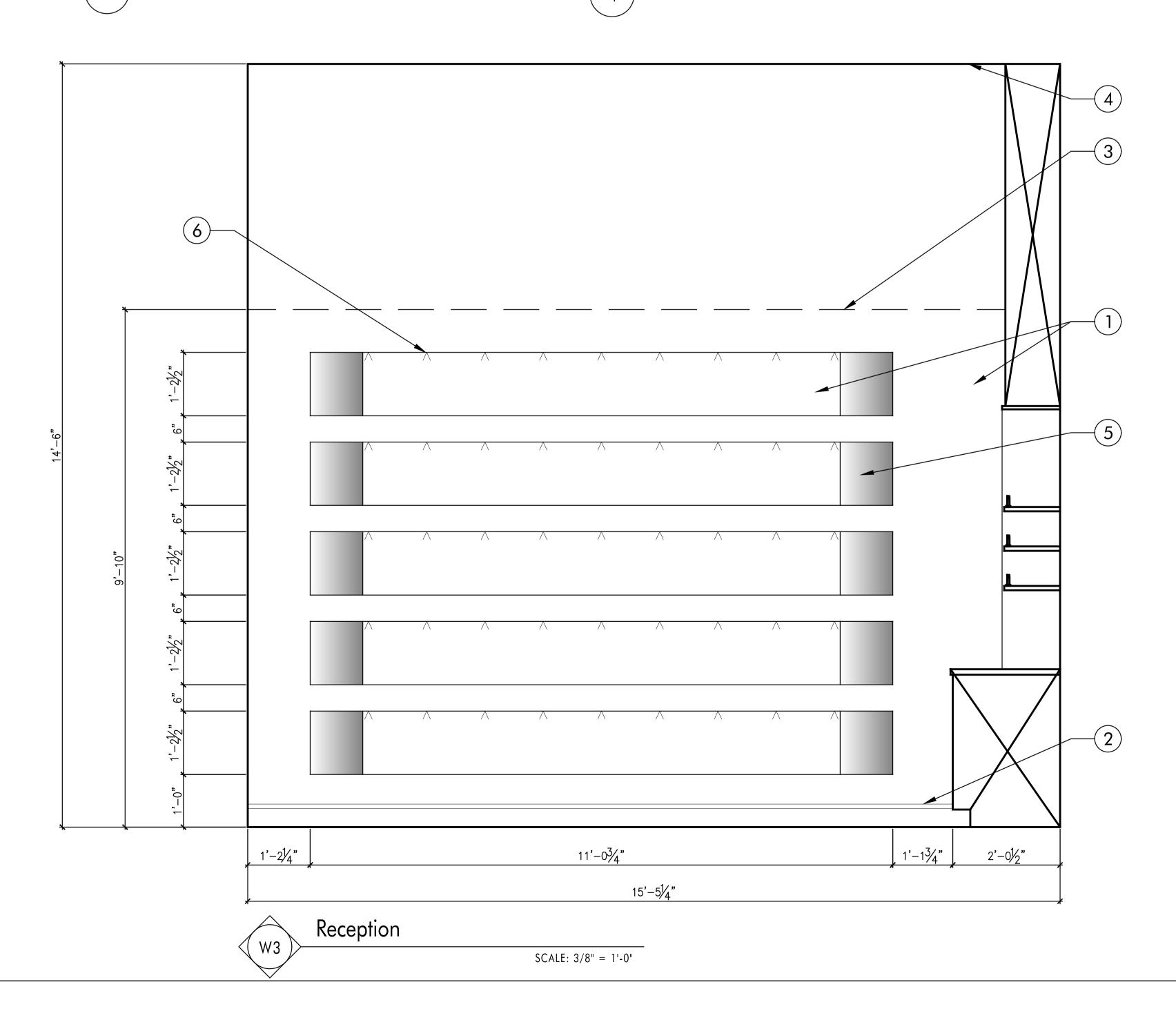


- 4. Exposed Mechanicals To Be Painted Per Acrylic Paint Specified in Presentation
- Thick Drywall-Wrapped Recess Shelving Per Concept Image. Finished 5. in Roman Clay Per Paint Specified in Presentation. Left and Right Side of Shelving To Be Angled Inwards Per Concept Image And Floor Plan
- 6. Integrated LED Strip Lighting Per Concept Image. By Contractor. Inside Stories To Approve Selection Prior to Installation
- All Dimensions To Be Confirmed By Contractor \bullet
- All Electrical, AV and HVAC To Be Done By Others \bullet
- All Selections Specified in Presentation •









4





INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

ONFIDENCE NG CO Centennial,

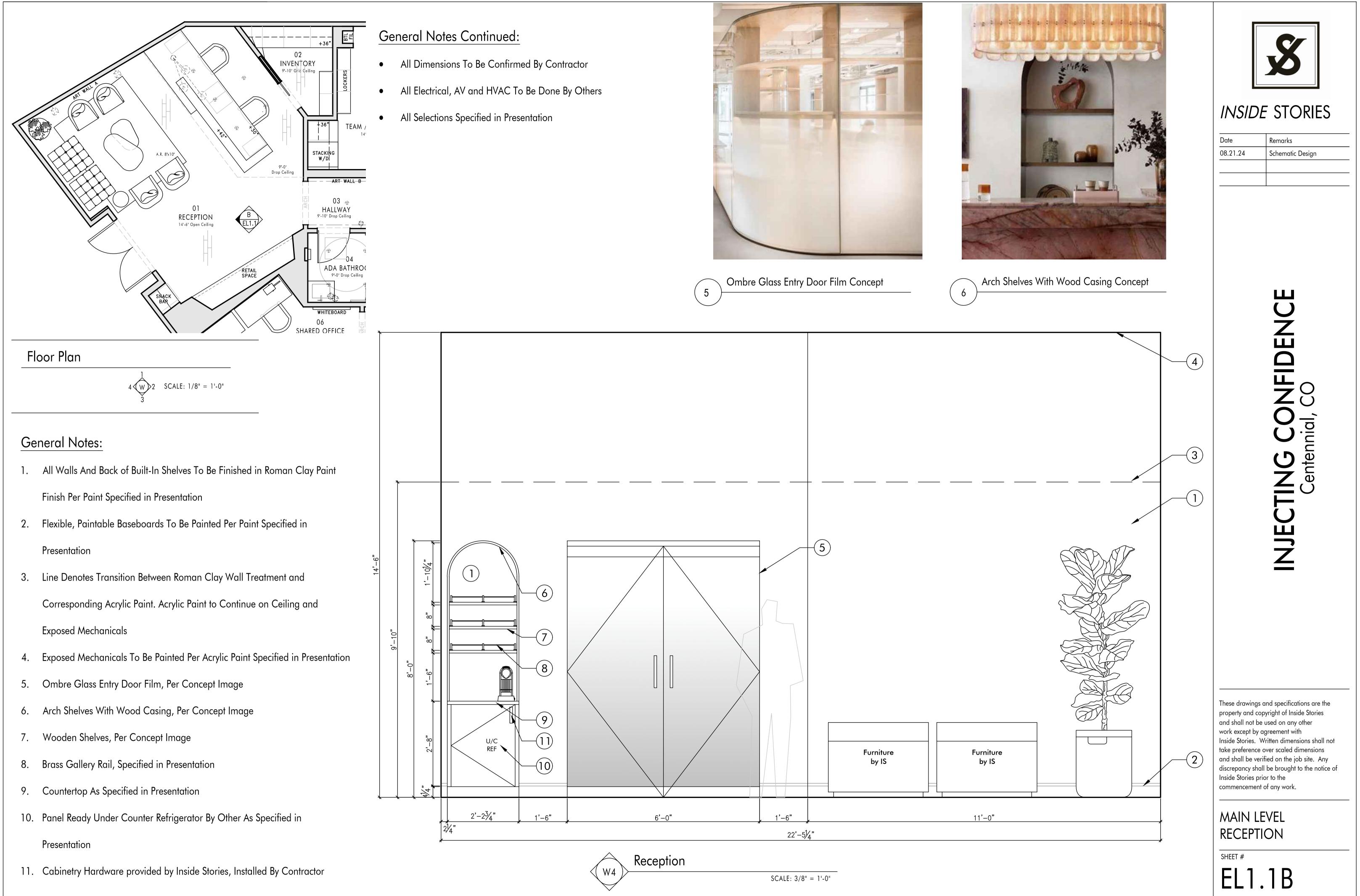
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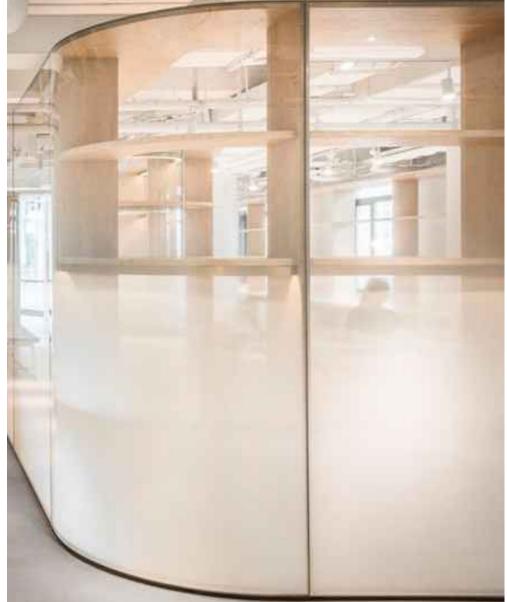
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MAIN LEVEL

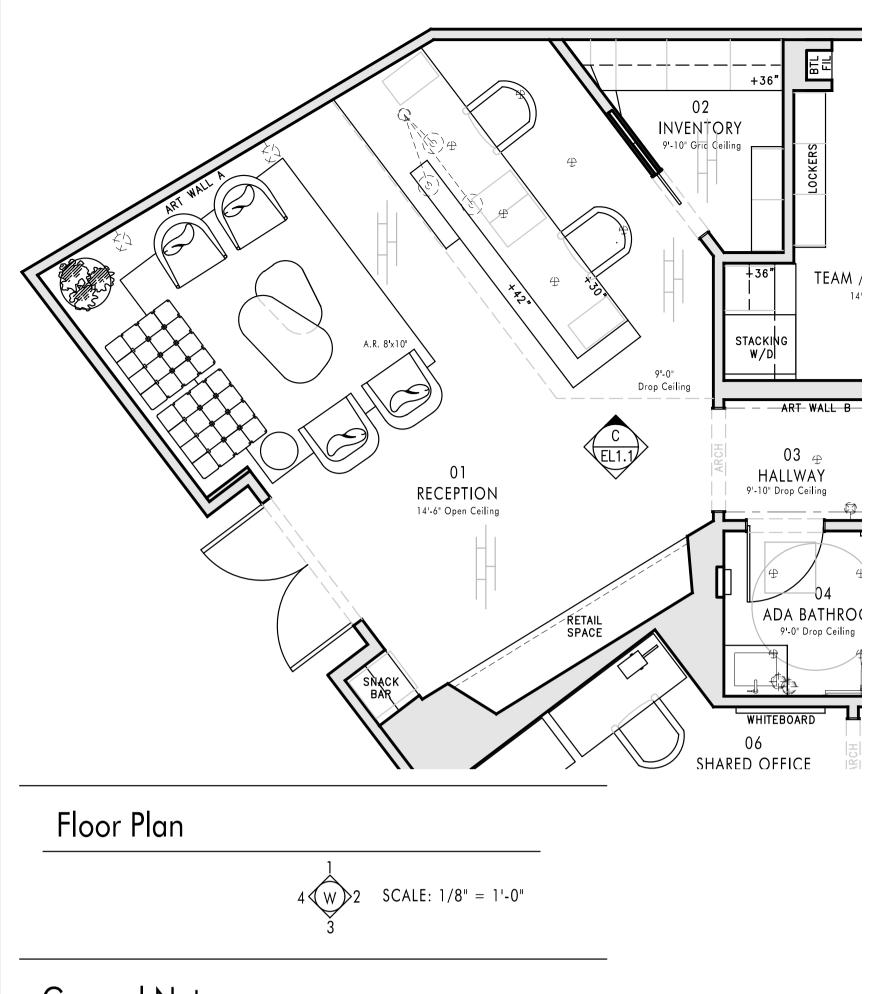
RECEPTION

EL1.1A









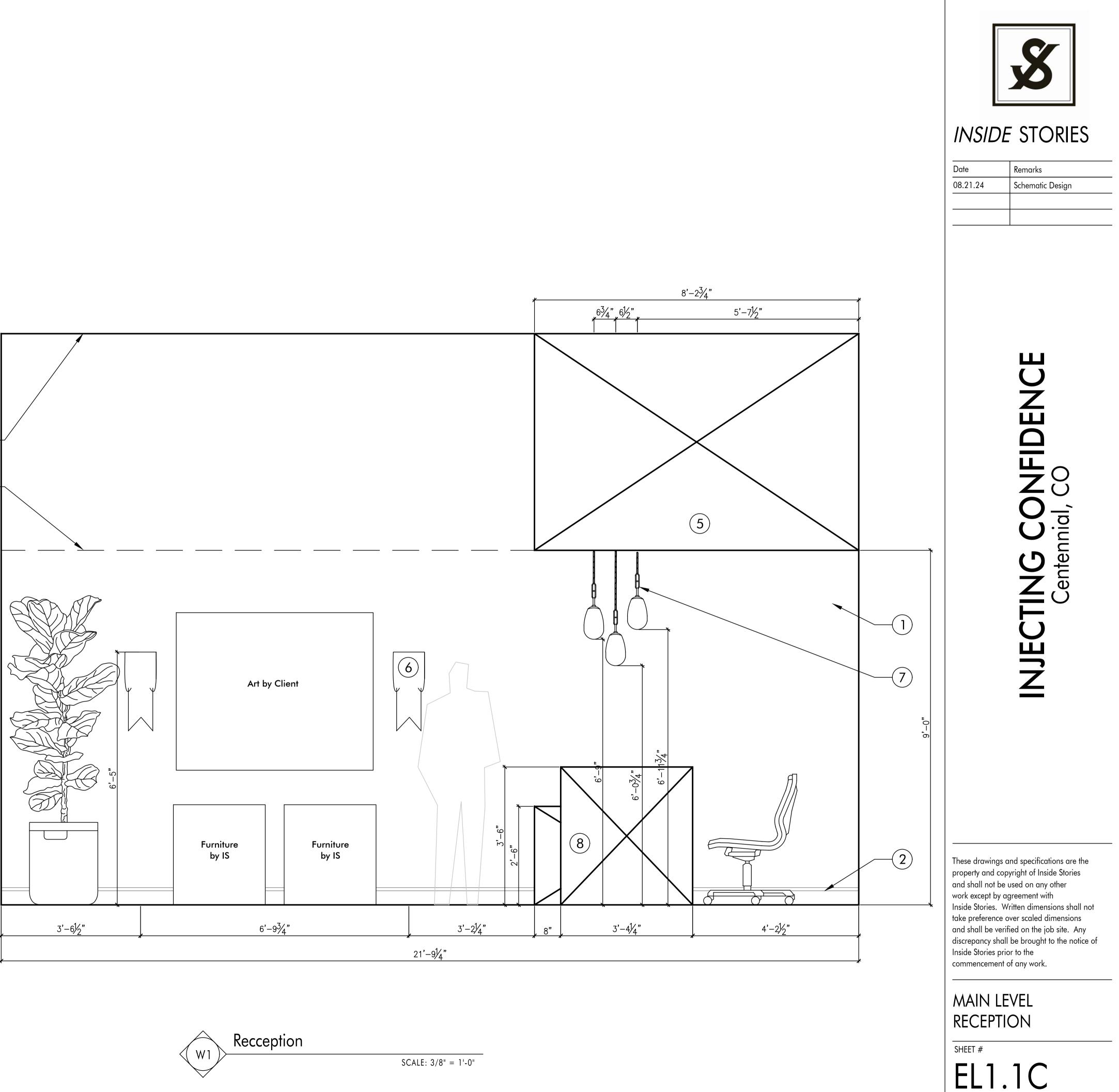
- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation 2.

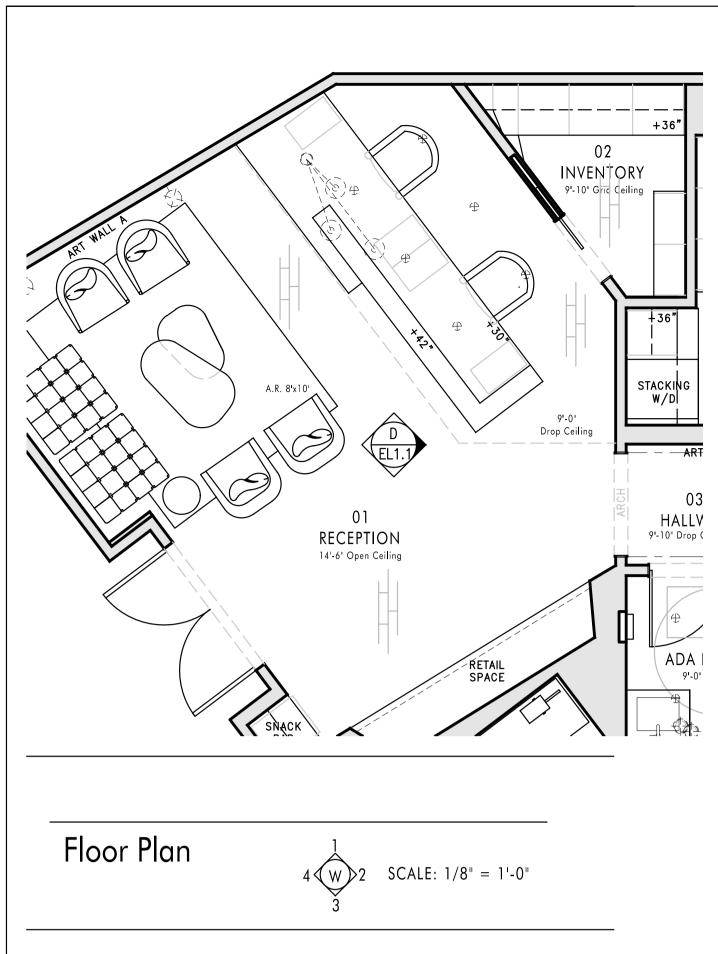
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3

9'-0"

- Line Denotes Transition Between Roman Clay Wall Treatment and Corresponding 3. Acrylic Paint. Acrylic Paint to Continue on Ceiling and Exposed Mechanicals
- 4. Exposed Mechanicals To Be Painted Per Acrylic Paint Specified in Presentation
- 5. Drywall-Wrapped Soffit, Finished in Acrylic Paint
- 6. Decorative Wall Sconces Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- 7. Decorative Chandelier Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- 8. Custom Desk, Per Presentation and Concept Images
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation



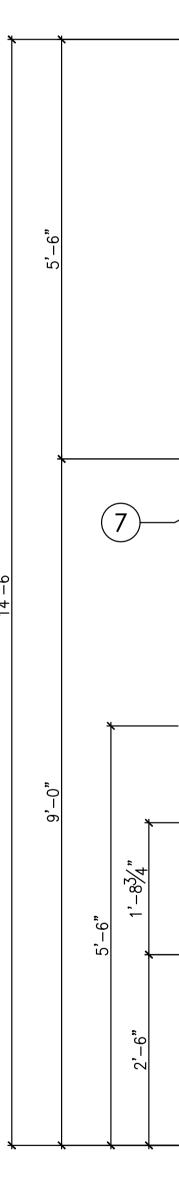


General Notes Continued:

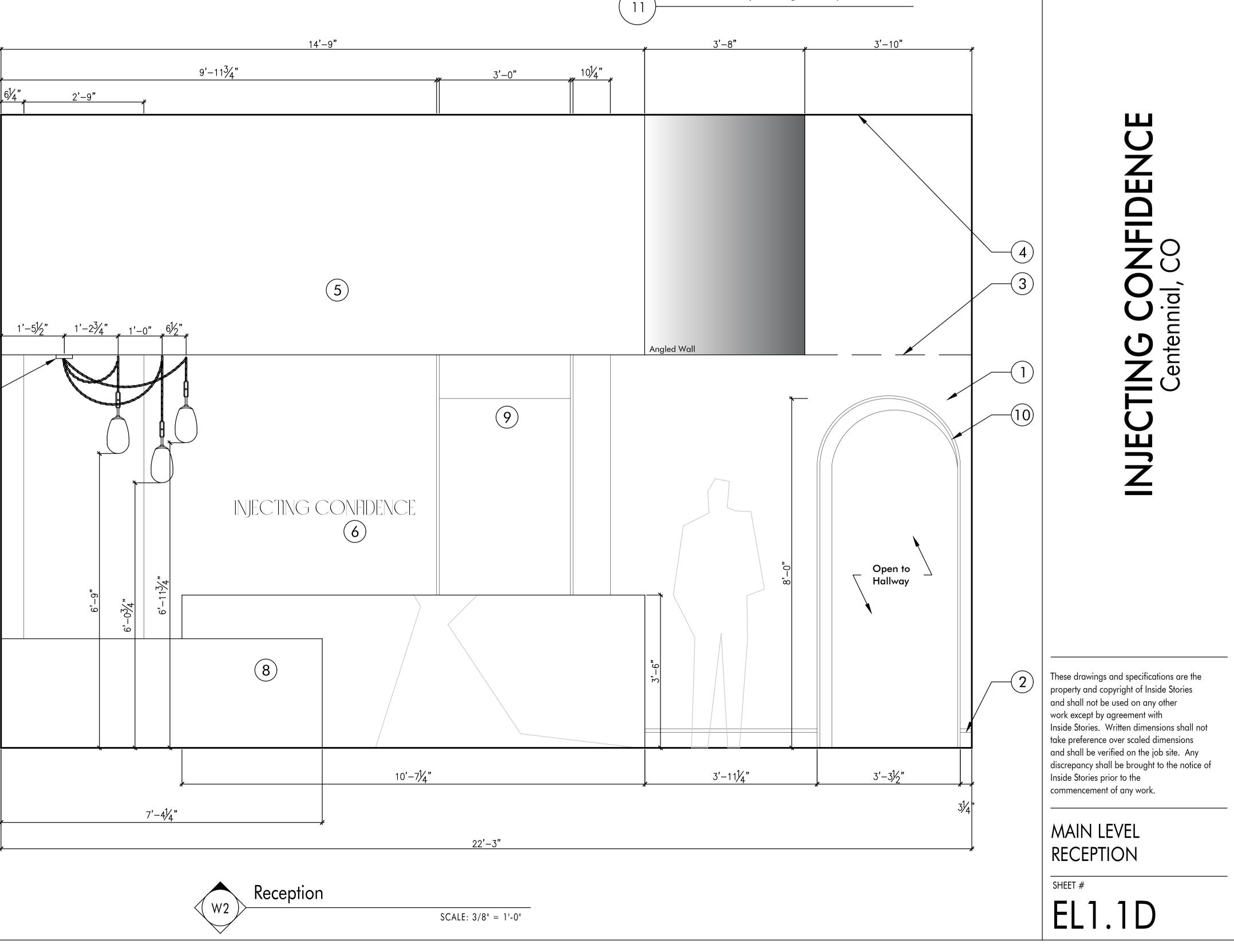
- All Dimensions To Be Confirmed By Contractor
- \bullet
- All Selections Specified in Presentation \bullet

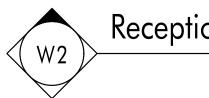
General Notes:

- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Line Denotes Transition Between Roman Clay Wall Treatment and Corresponding Acrylic Paint. Acrylic Paint to Continue on Ceiling and Exposed Mechanicals
- 4. Exposed Mechanicals To Be Painted Per Acrylic Paint Specified in Presentation
- 5. Drywall-Wrapped Soffit, Finished in Acrylic Paint
- 6. "Injecting Confidence" Sign To Be Installed As Specified in Presentation. By Other
- Decorative Chandelier Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- 8. Custom Desk, Per Presentation and Concept Images
- 9. Door To Be Installed Per Concept Image. Door and Hardware Specified in Presentation
- 10. Arched Doorway Casing Per Concept Image, As Specified in Presentation



All Electrical, AV and HVAC To Be Done By Others







INSIDE STORIES

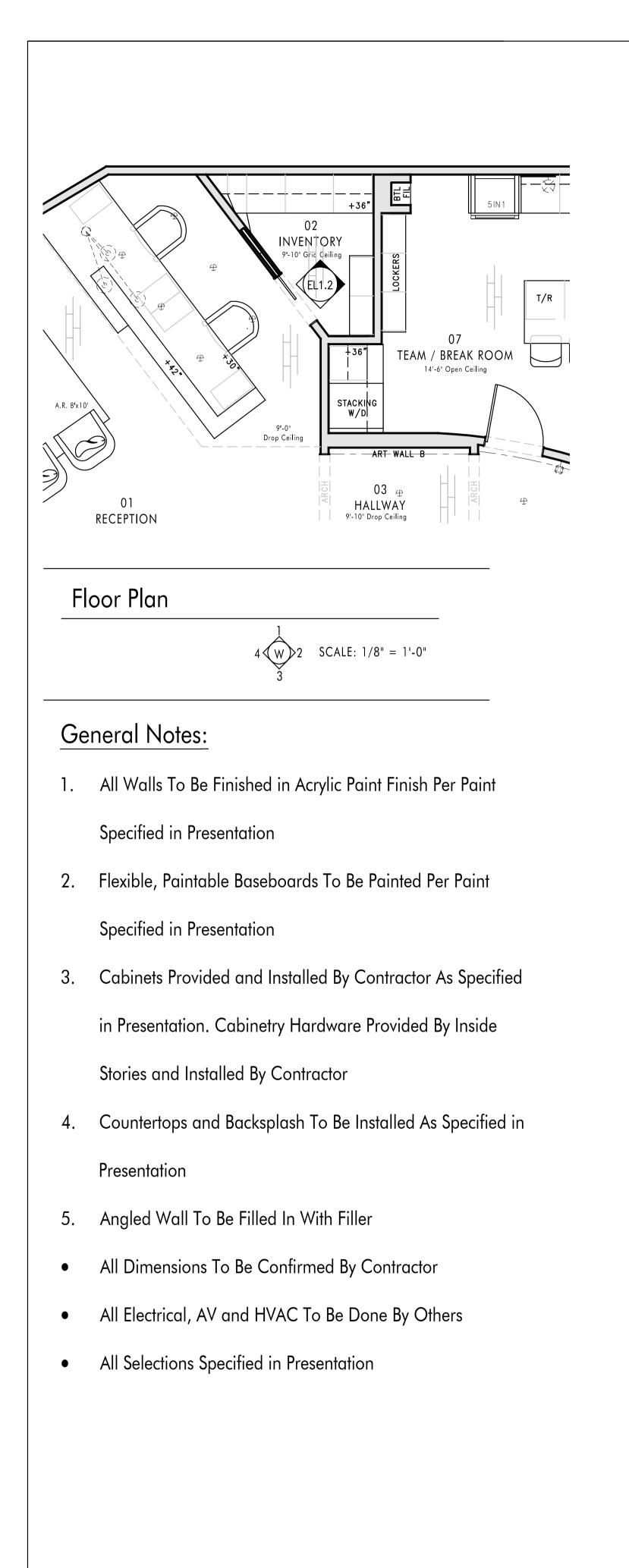
Remarks

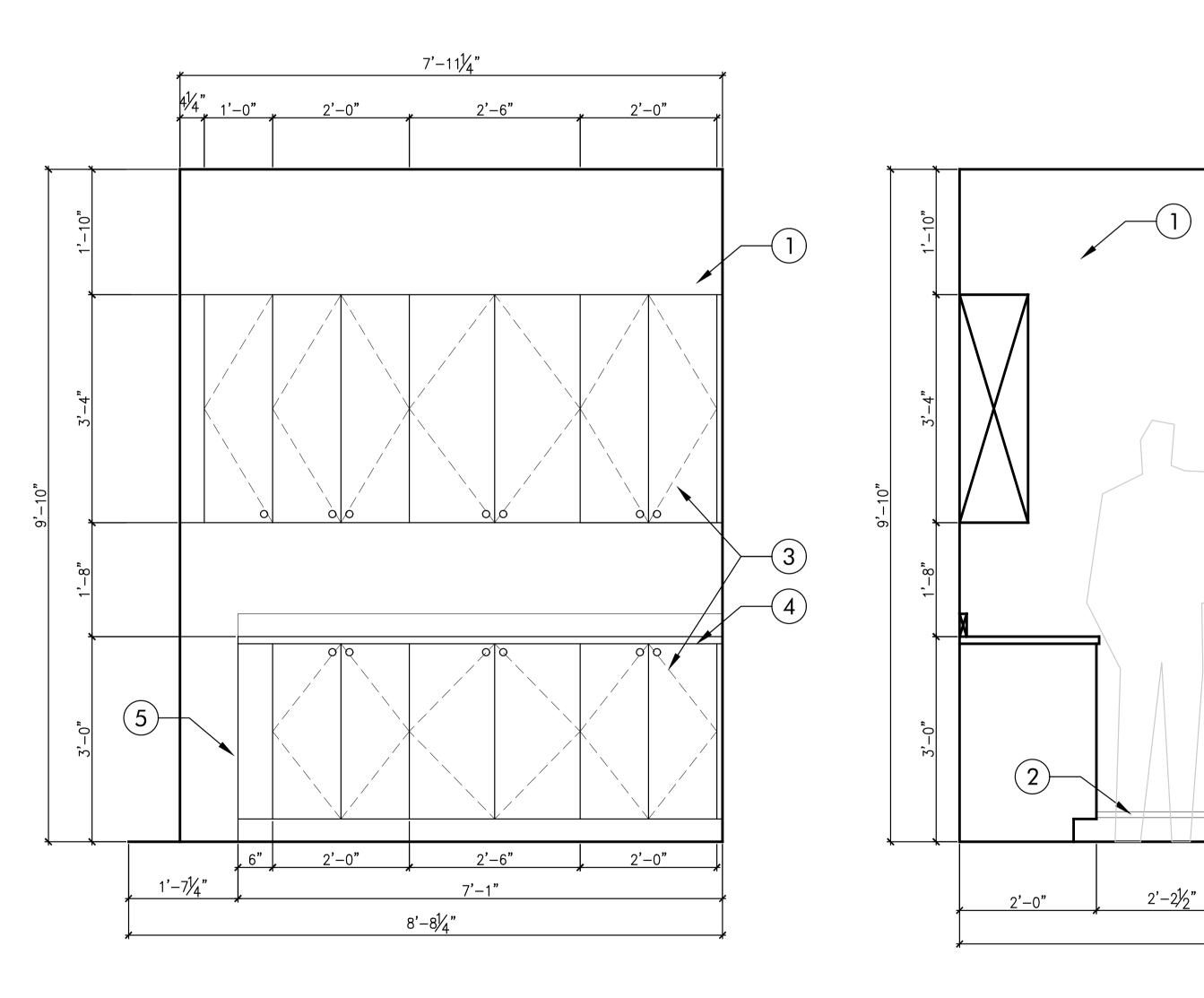
Schematic Design

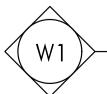
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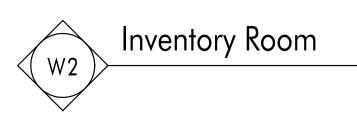
08.21.24

Arched Doorway Casing Concept









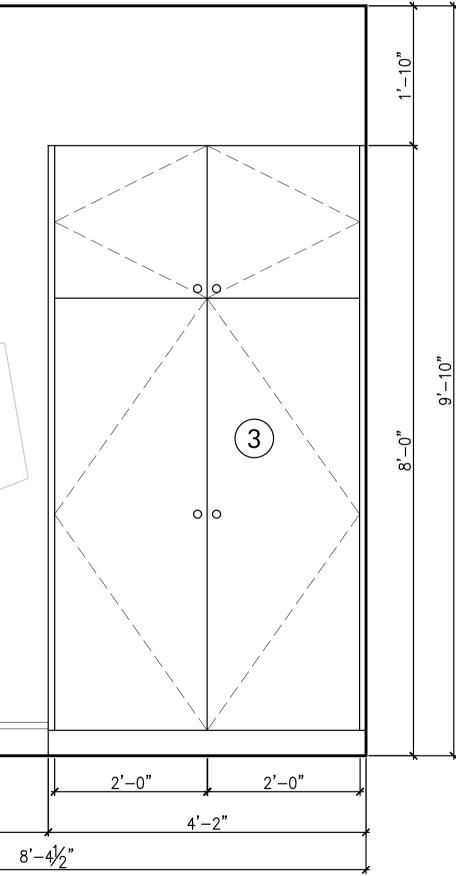
Inventory Room

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



INSIDE STORIES

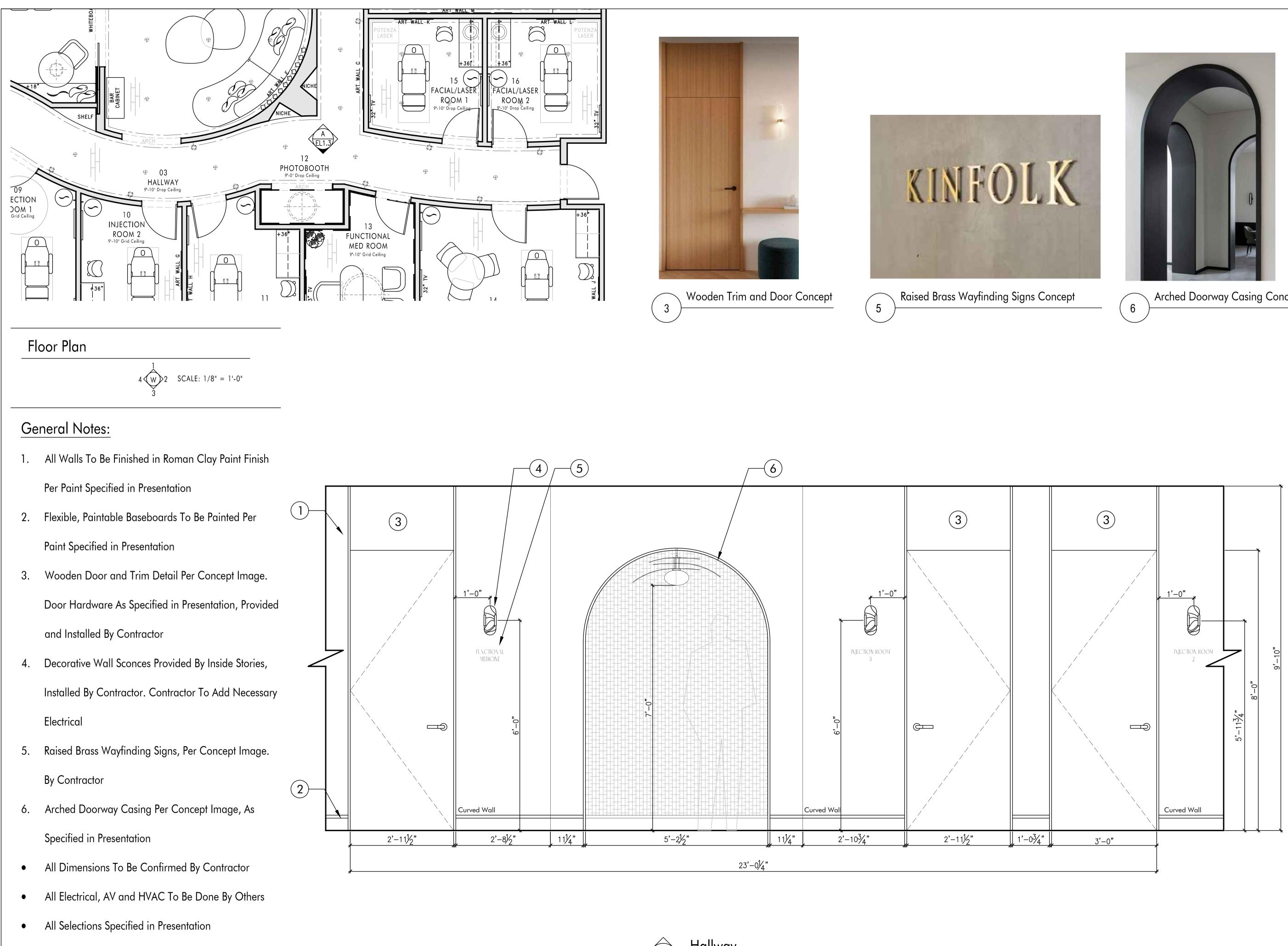
Date	Remarks
08.21.24	Schematic Des





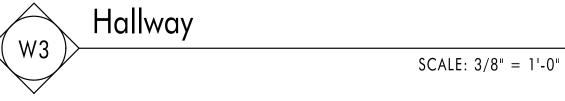
EL1.2

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















INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

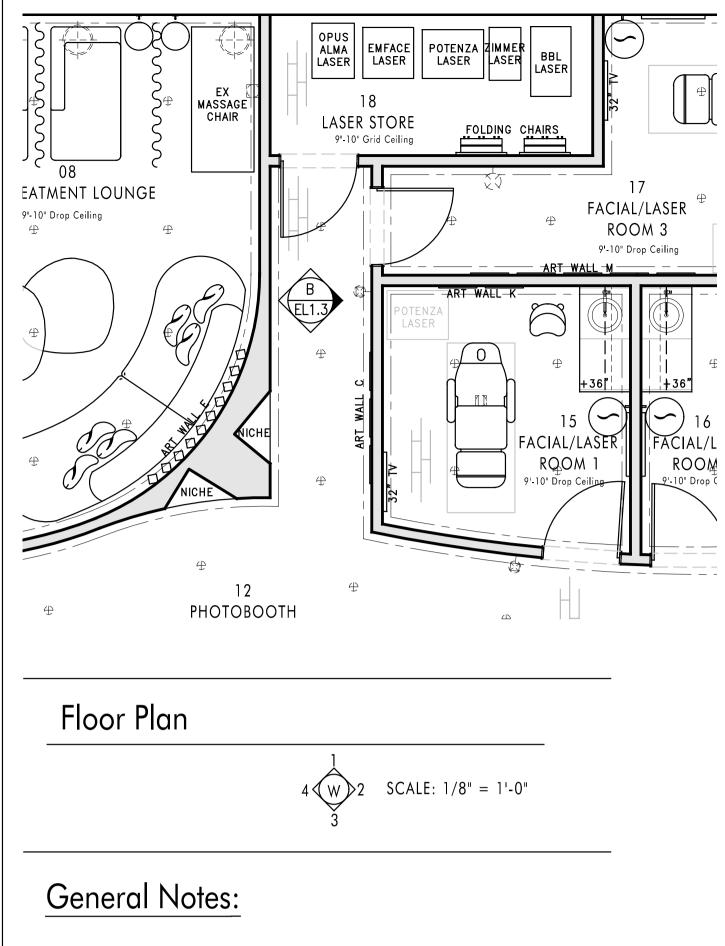
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MAIN LEVEL

EL1.3A

HALLWAY

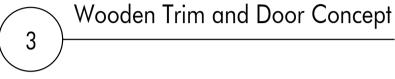


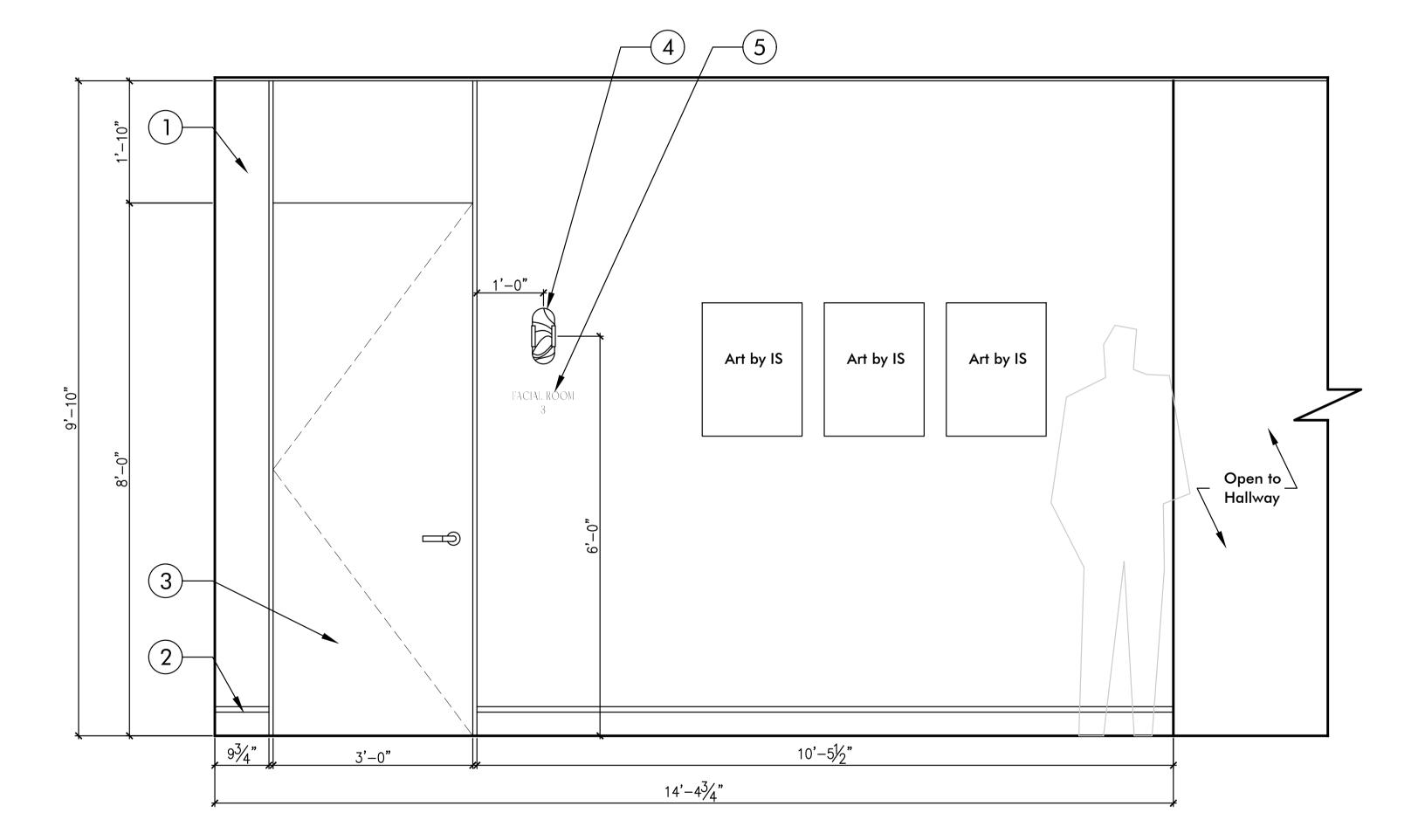
- All Walls To Be Finished in Roman Clay Paint Finish
 Per Paint Specified in Presentation
- Flexible, Paintable Baseboards To Be Painted Per
 Paint Specified in Presentation
- 3. Wooden Door and Trim Detail Per Concept Image.

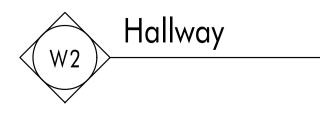
Door Hardware As Specified in Presentation, Provided and Installed By Contractor

- Decorative Wall Sconces Provided By Inside Stories,
 Installed By Contractor. Contractor To Add Necessary
 Electrical
- Raised Brass Wayfinding Signs, Per Concept Image.
 By Contractor
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation









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



Raised Brass Wayfinding Signs Concept

5



INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

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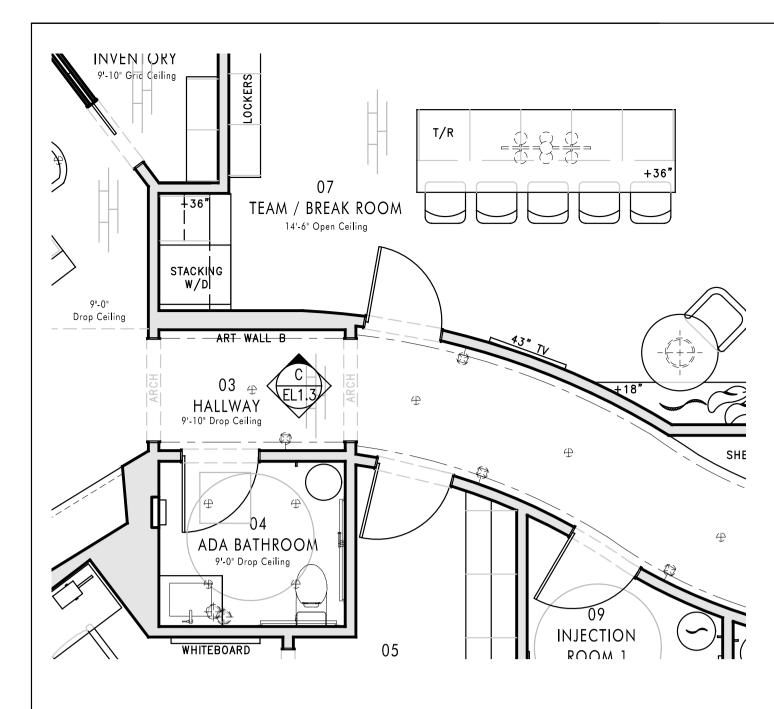
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MAIN LEVEL HALLWAY

SHEET #

EL1.3B





SCALE: 1/8" = 1'-0" 4 w 2

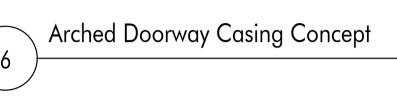
General Notes:

- All Walls To Be Finished in Roman Clay Paint Finish Per Paint 1. Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Wooden Door and Trim Detail Per Concept Image. Door Hardware As Specified in Presentation, Provided and Installed By Contractor
- 4. Decorative Wall Sconce Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- 5. Brass Wayfinding Signs, Per Concept Image. By Contractor
- 6. Arched Doorway Casing Per Concept Image. As Specified in Presentation
- 7. Neon Sign Per Concept Image, Provided by Inside Stories and Installed by Contractor. Contractor to Ensure Necessary Electrical Behind Sign
- All Dimensions To Be Confirmed By Contractor \bullet
- All Electrical, AV and HVAC To Be Done By Others \bullet
- All Selections Specified in Presentation \bullet

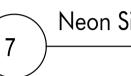


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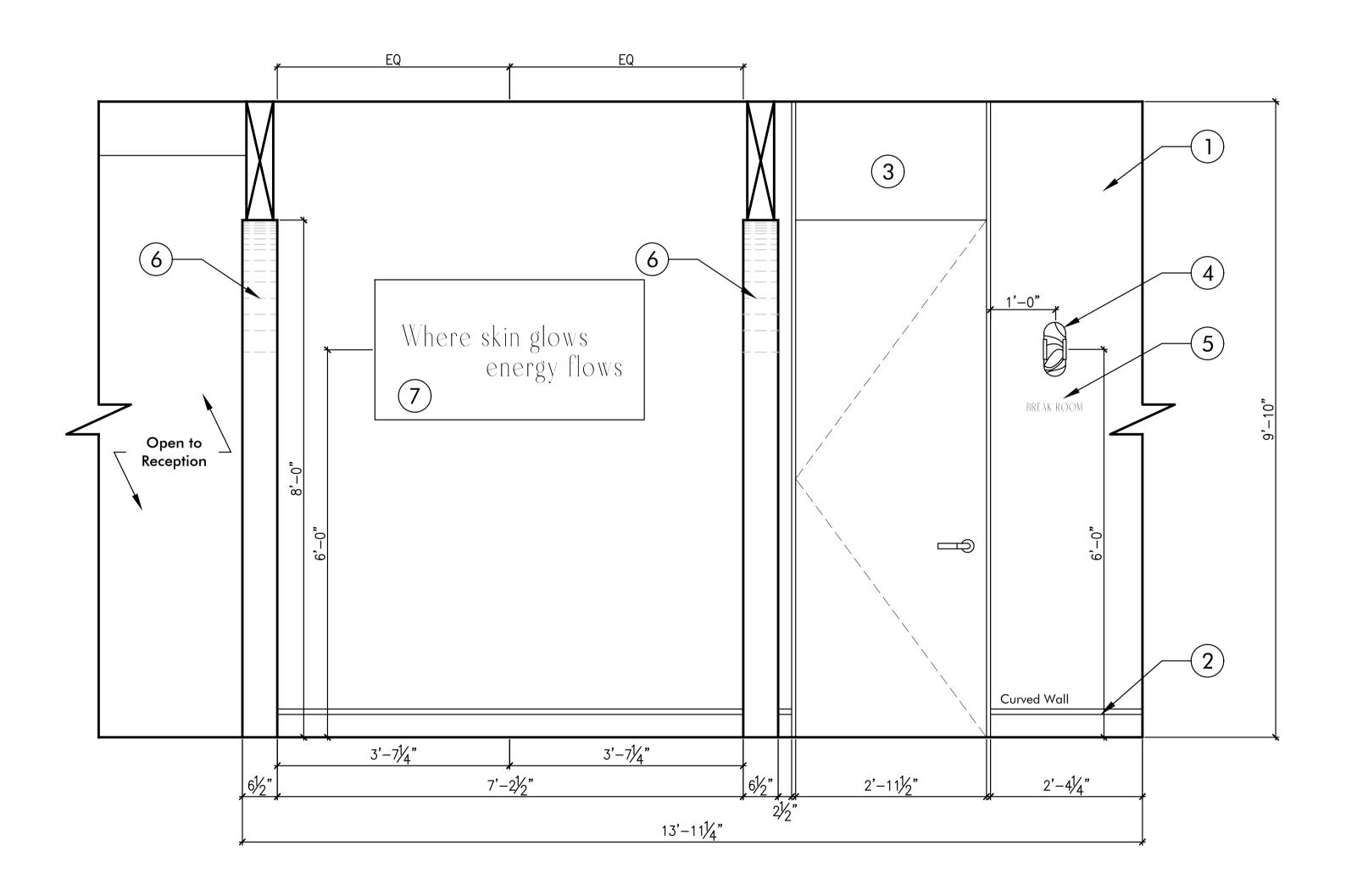


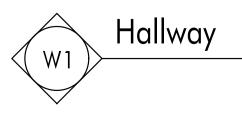






Wooden Trim and Door Concept





Neon Sign Concept



Date Remarks Schematic Design 08.21.24

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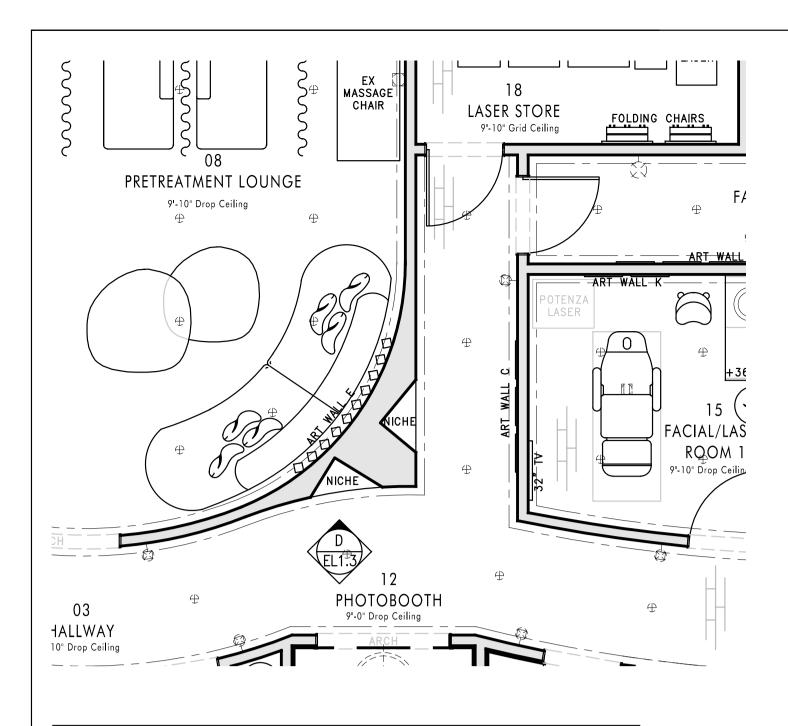
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MAIN LEVEL HALLWAY SHEET #

EL1.3C

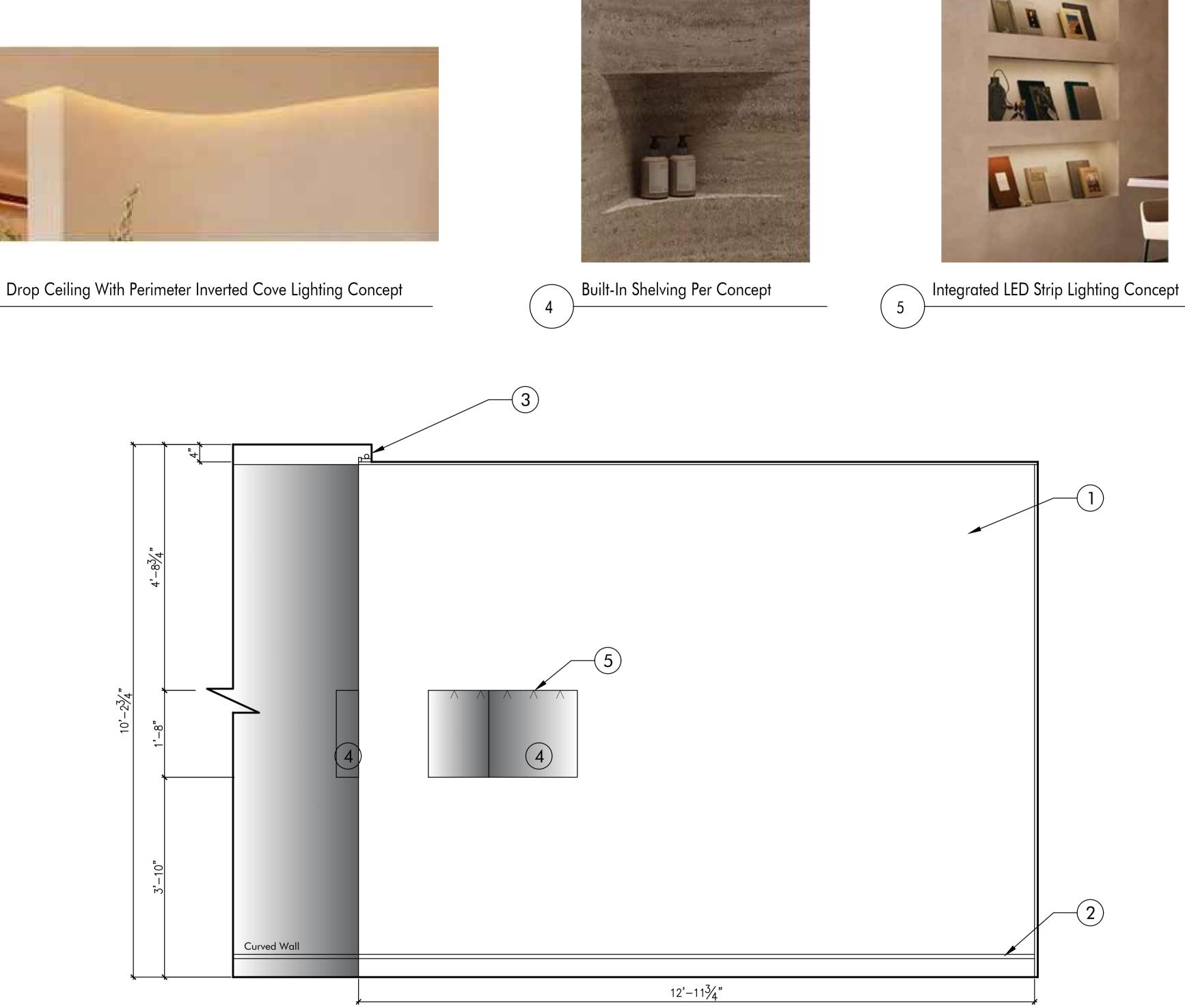


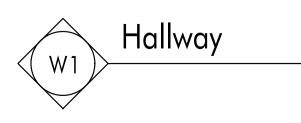
4 W 2 SCALE: 1/8" = 1'-0"

3

General Notes:

- All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in 1. Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Drop Ceiling with Perimeter Inverted Cove Lighting Per Concept Image
- 4. Built-In Shelving Per Concept Image
- 5. Integrated LED Strip Lighting Per Concept Image. By Contractor. Inside Stories To Approve Selection Prior to Installation
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation





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







INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

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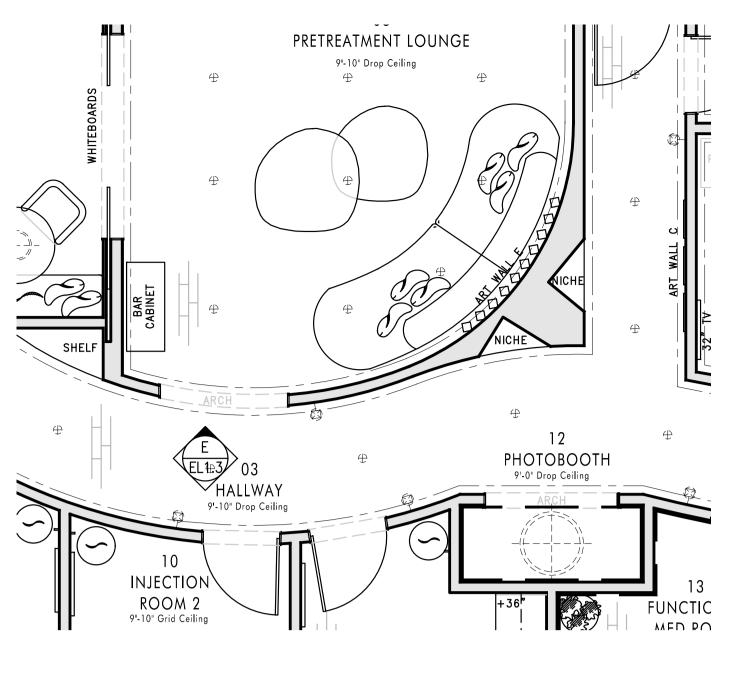
AG CONFIDENC entennial, CO INJECTI

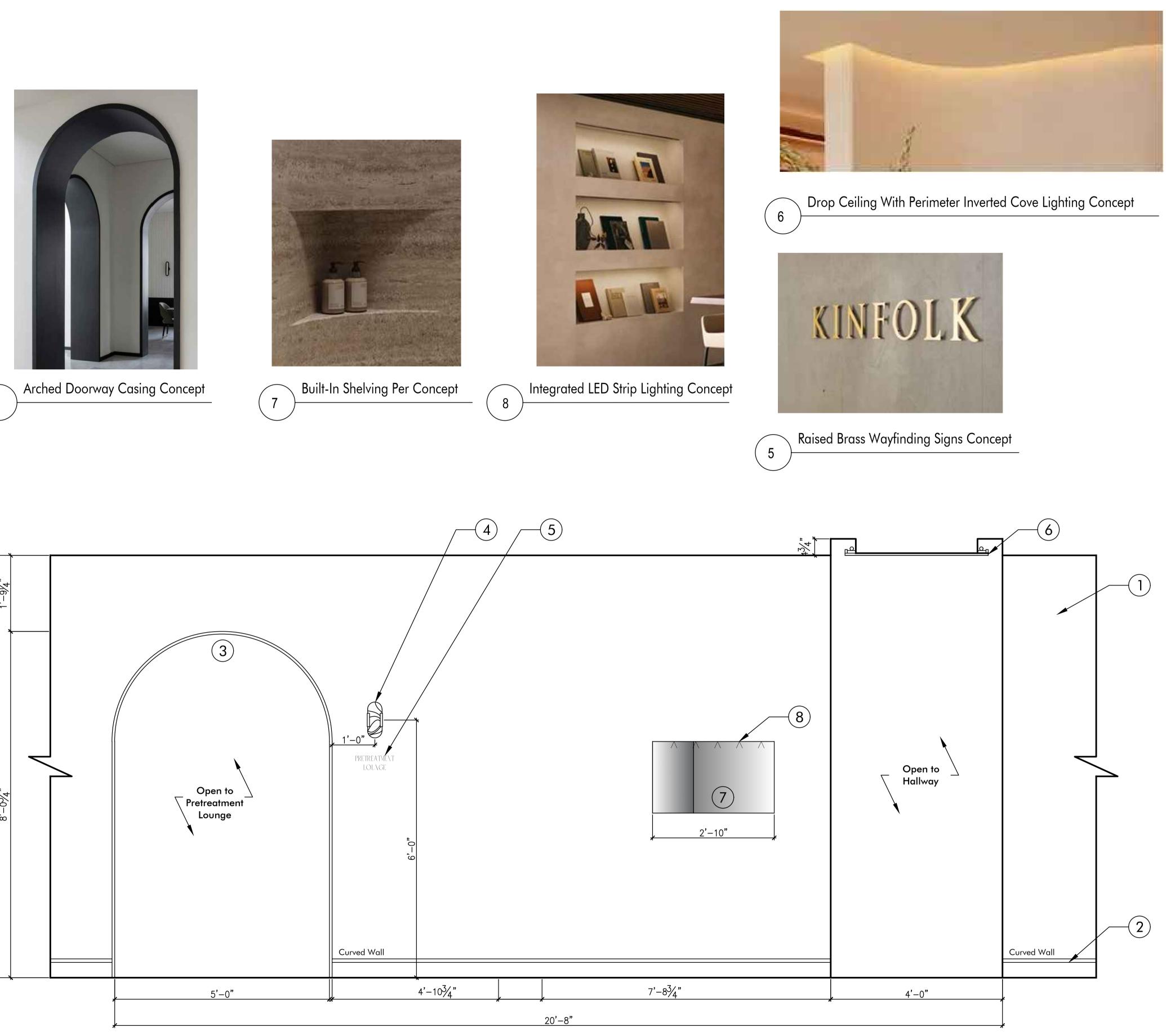
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HALLWAY SHEET #

MAIN LEVEL

EL1.3D



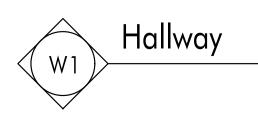


SCALE: 1/8" = 1'-0" 4 w 2

General Notes:

- All Walls To Be Finished in Roman Clay Paint Finish Per 1. Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arched Doorway Casing Per Concept Image, As Specified in Presentation
- 4. Decorative Wall Sconce Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- 5. Brass Wayfinding Signs, Per Concept Image. By Contractor
- 6. Drop Ceiling with Perimeter Inverted Cove Lighting Per Concept Image
- 7. Recessed Niche Per Concept Image
- 8. Integrated LED Strip Lighting Per Concept Image. By Contractor. Inside Stories To Approve Selection Prior to Installation
- All Dimensions To Be Confirmed By Contractor \bullet
- All Electrical, AV and HVAC To Be Done By Others \bullet
- All Selections Specified in Presentation \bullet







INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

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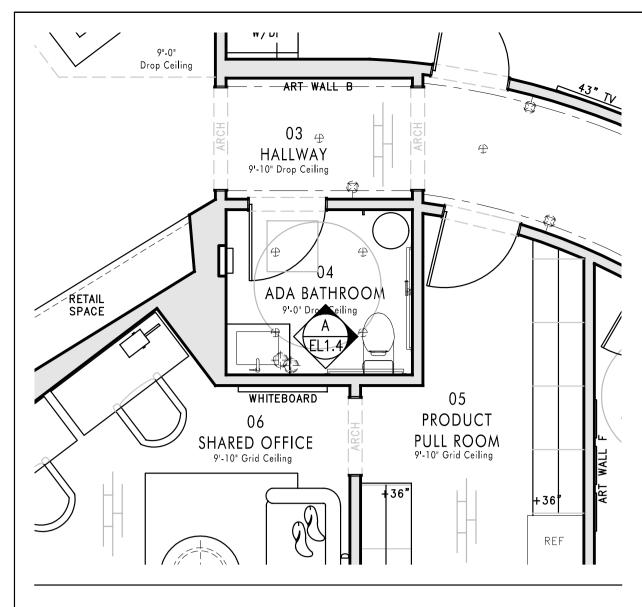
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SHEET #

EL1.3E

MAIN LEVEL

HALLWAY



4 W 2 SCALE: 1/8" = 1'-0"

General Notes:

- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Schluter To Be Installed As Specified in Presentation
- 3. Tile To Be Installed As Specified In Presentation
- 4. Wooden Door and Trim Detail Per Concept Image. Door Hardware As Specified in Presentation, Provided and Installed By Contractor
- 5. Hook Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 6. 18" Grab Bar To Be Installed As Specified in Presentation
- 7. 48" Grab Bar To Be Installed As Specified in Presentation
- Toilet Paper Holder To Be Installed As Specified in Presentation 8.
- All Dimensions To Be Confirmed By Contractor \bullet
- All Electrical, AV and HVAC To Be Done By Others \bullet
- All Selections Specified in Presentation ●



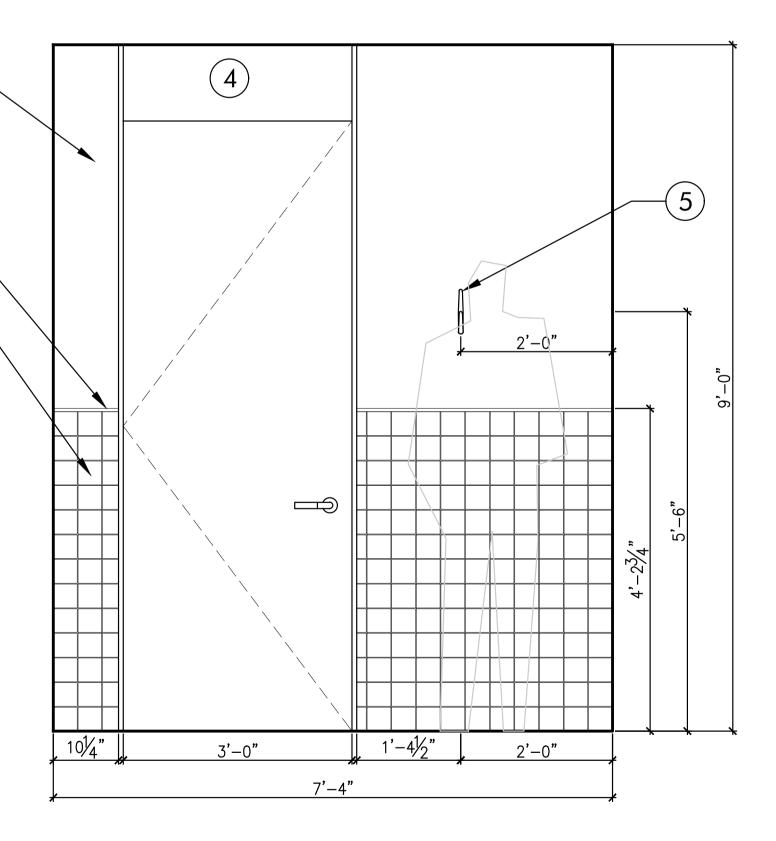
Wooden Trim and Door Concept

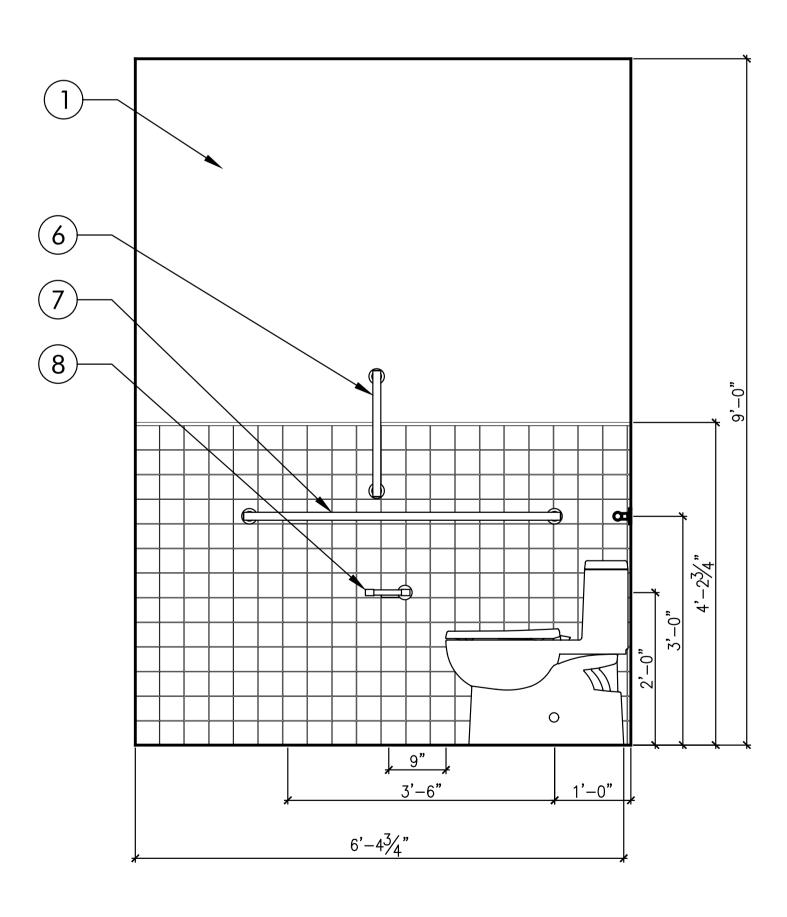
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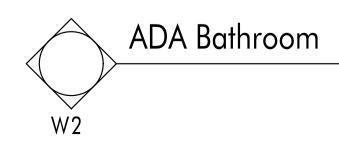
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2)-

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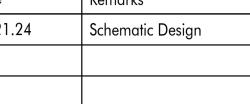






INSIDE STORIES

Date	Remarks
08.21.24	Schematio



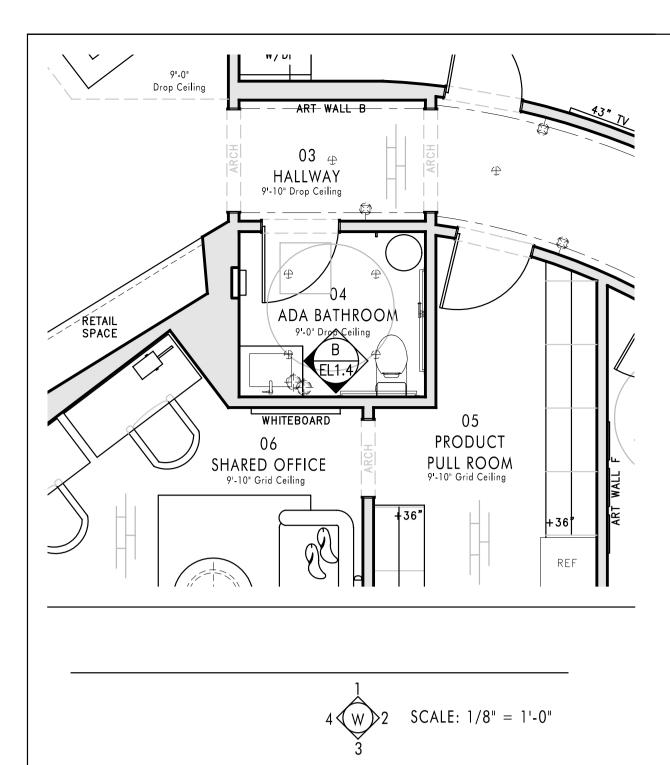
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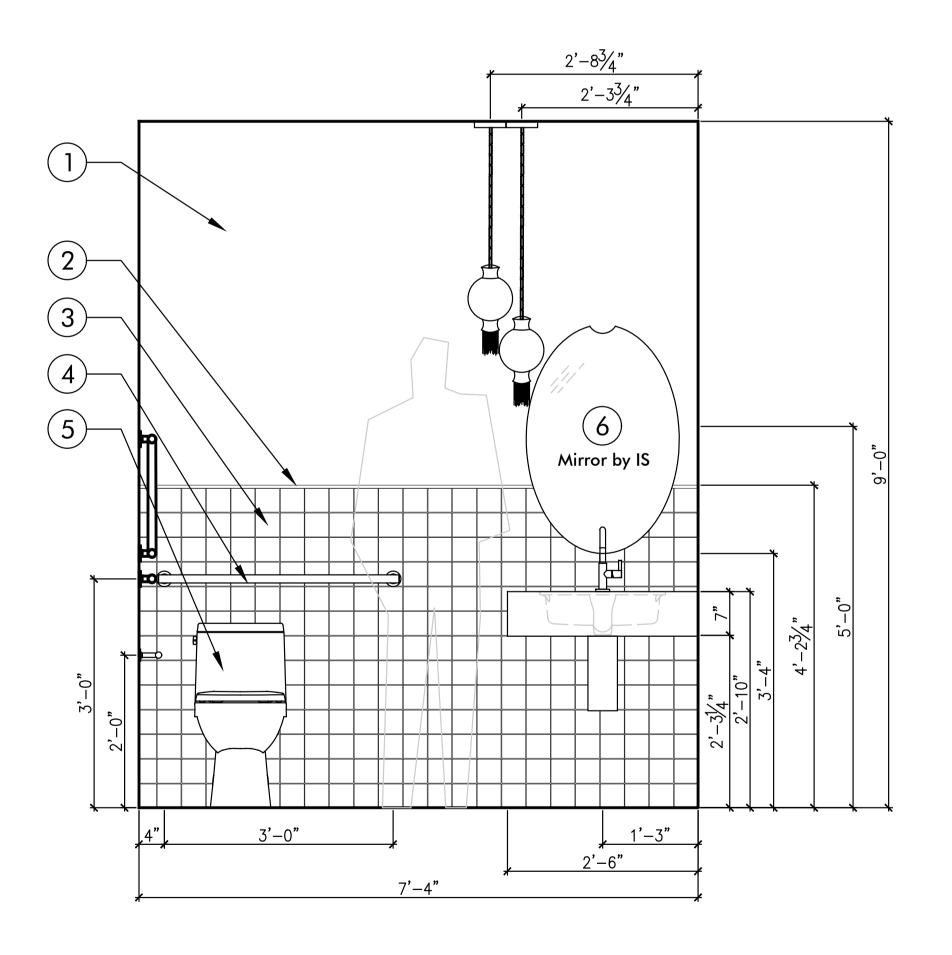
MAIN LEVEL ADA BATHROOM

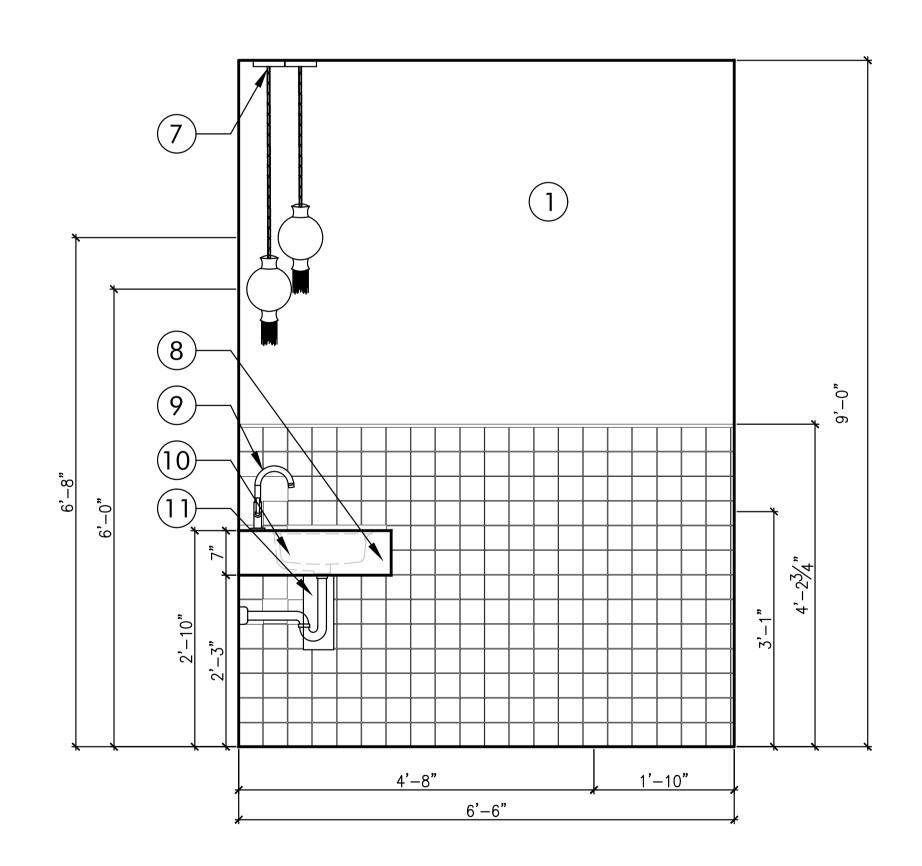
SHEET # EL1.4A

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



- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Schluter To Be Installed As Specified in Presentation
- 3. Tile To Be Installed As Specified in Presentation
- 4. 36" Grab Bar To Be Installed As Specifed in Presentation
- Toilet To Be Installed As Specified in Presentation 5.
- 6. Mirror To Be Installed As Specified in Presentation. Mirror Provided by Inside Stories
- 7. Decorative Pendants Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- 8. Bespoke Wall-Mounted Quartz Sink Per Concept Image, To Be Installed As Specified in Presentation
- 9. Faucet To Be Installed As Specified in Presentation
- 10. Undermount Sink To Be Installed As Specifed in Presentation
- 11. P-Trap Cover To Be Installed As Specified in Presentation
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others \bullet
- All Selections Specified in Presentation







ADA Bathroom

W3

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



INSIDE STORIES

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Date	Remarks
08.21.24	Schematic Design



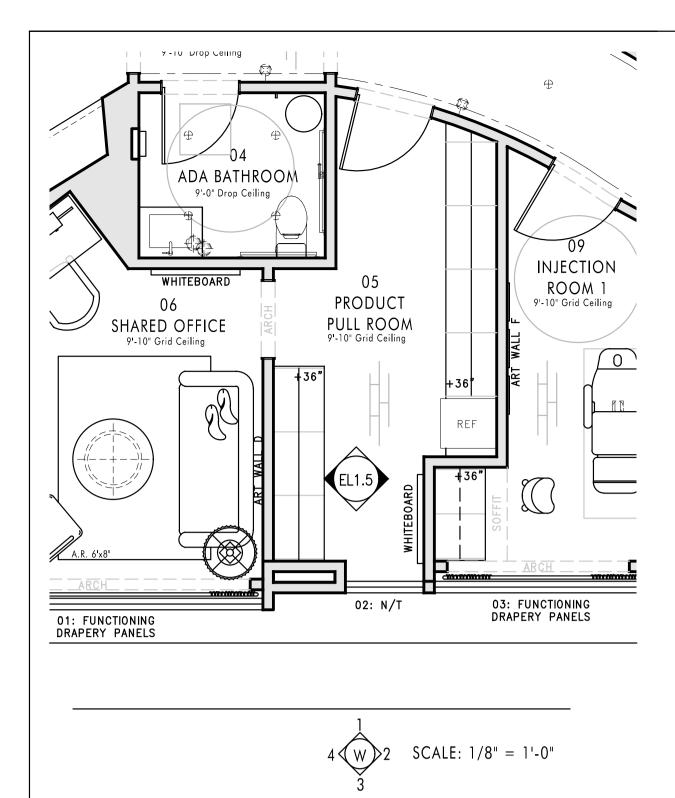
SCALE: 3/8" = 1'-0"

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MAIN LEVEL ADA BATHROOM

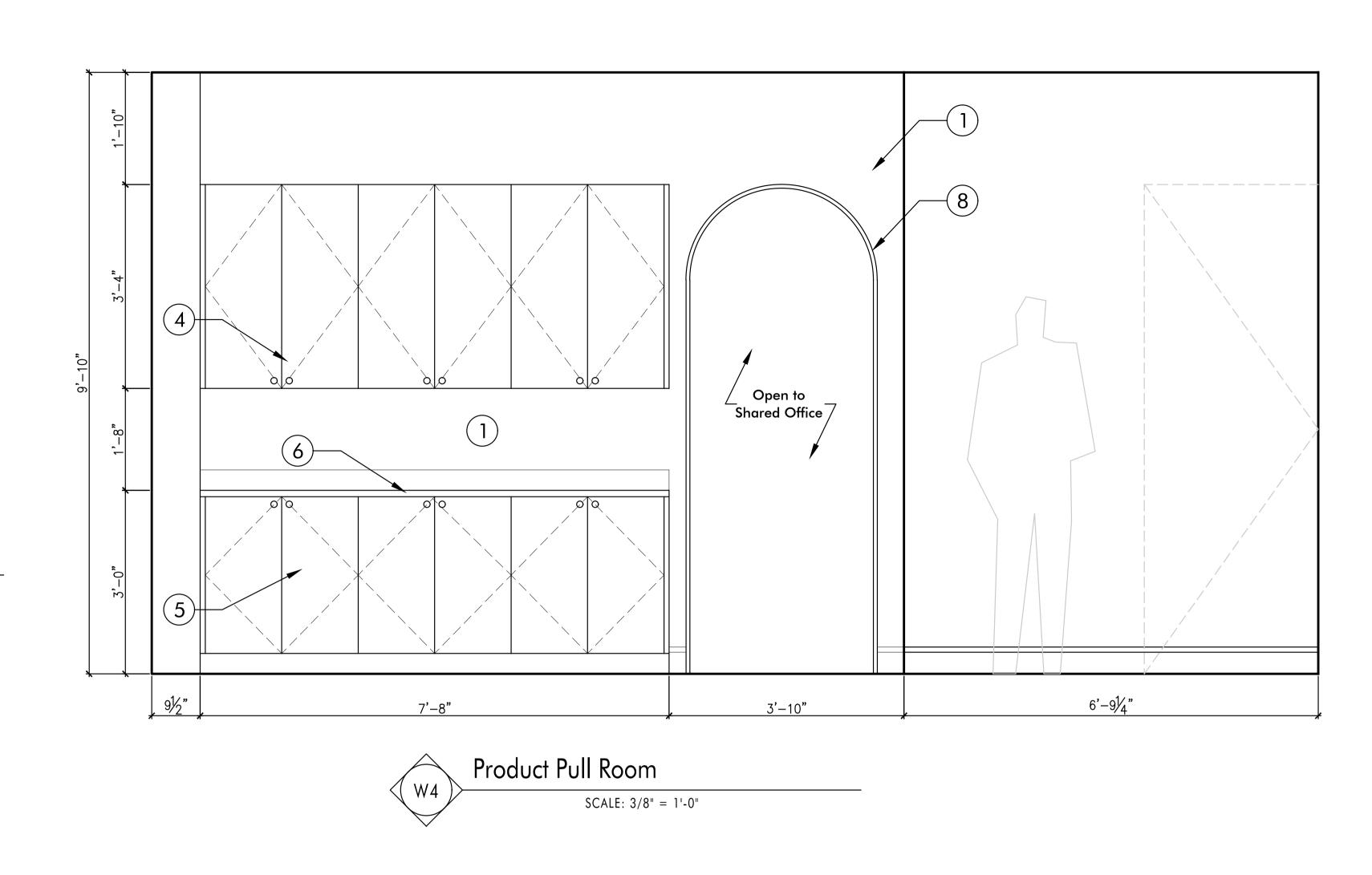
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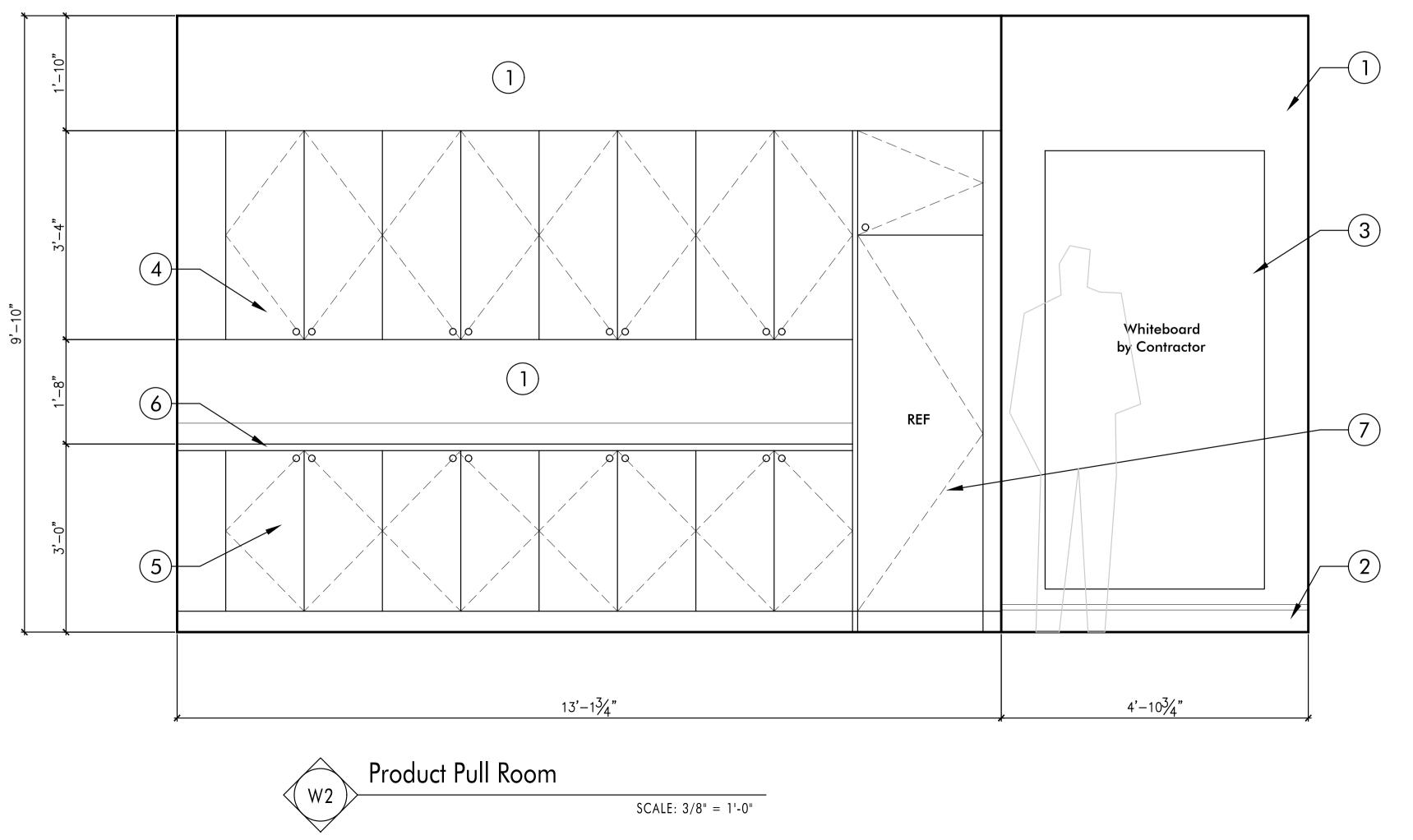
EL1.4B

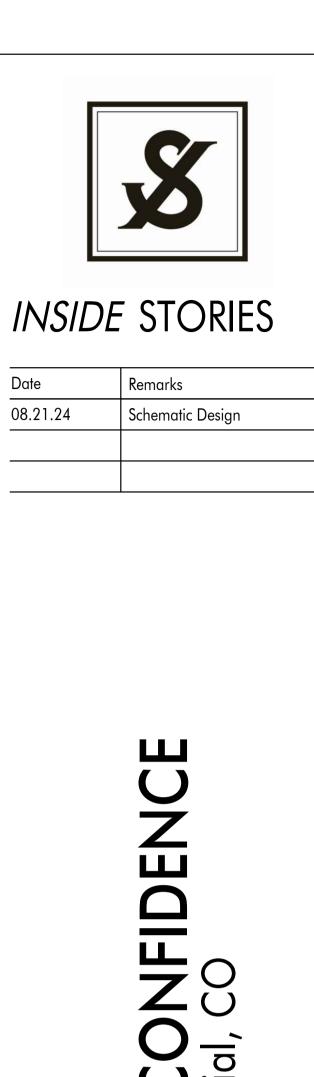




- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Whiteboard To Be Installed As Specified in Presentation. By Contractor
- 4. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 5. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 6. Countertop and Backsplash To Be Installed As Specified in Presentation
- 7. Refrigerator To Be Installed As Specified in Presentation
- 8. Arched Doorway Casing Per Concept Image, As Specified in Presentation
- All Dimensions To Be Confirmed By Contractor \bullet
- All Electrical, AV and HVAC To Be Done By Others \bullet
- All Selections Specified in Presentation ●







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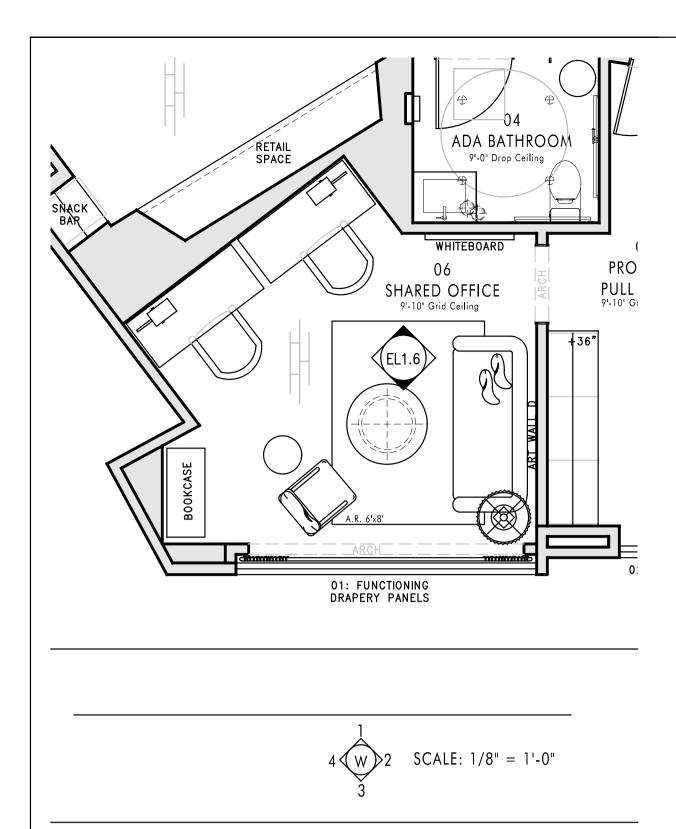
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Date

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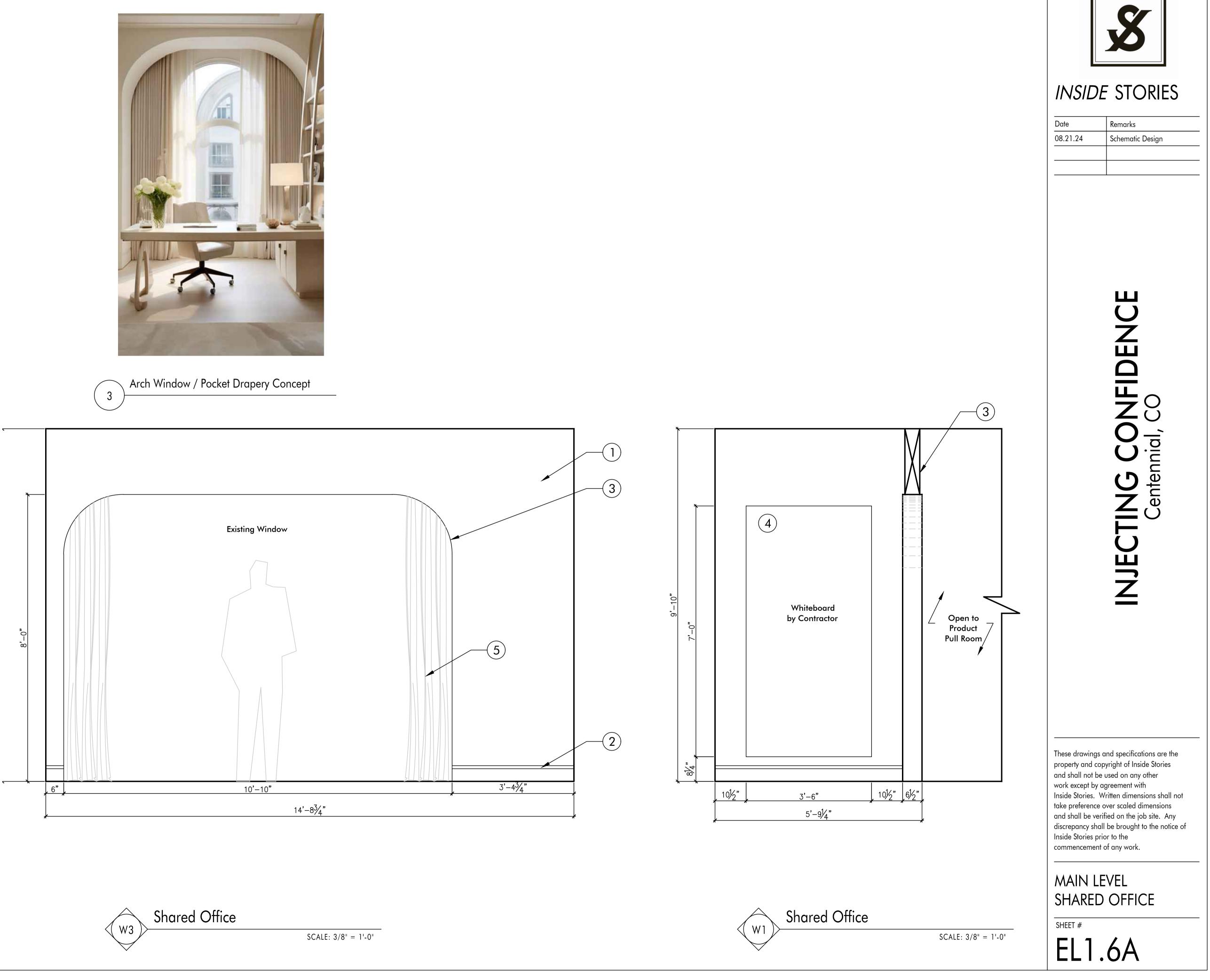
MAIN LEVEL PRODUCT PULL ROOM

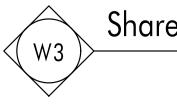
SHEET # EL1.5

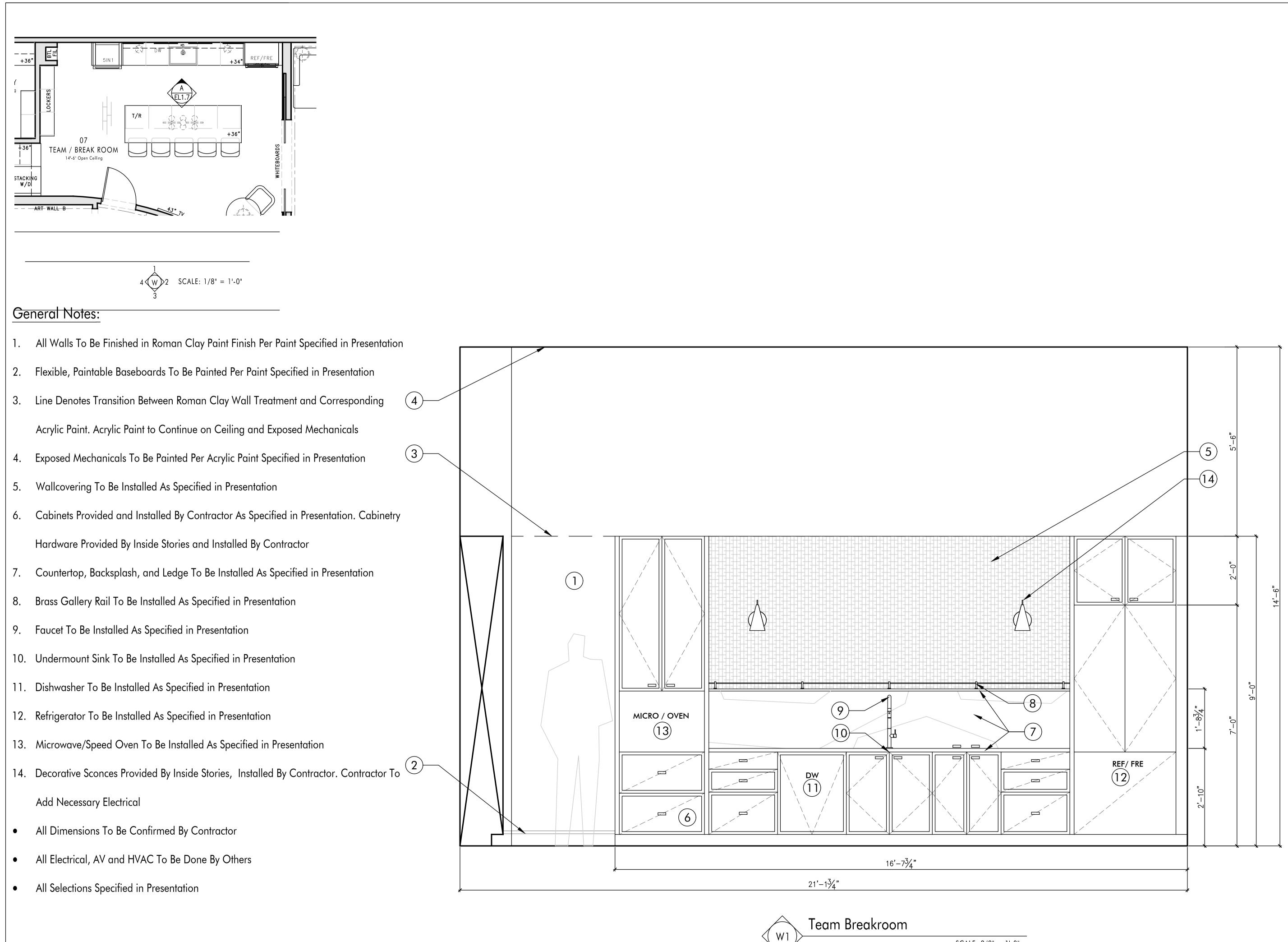


- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 4. Whiteboard To Be Installed As Specified in Presentation. By Contractor
- 5. Drapery Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others \bullet
- All Selections Specified in Presentation ●









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



INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

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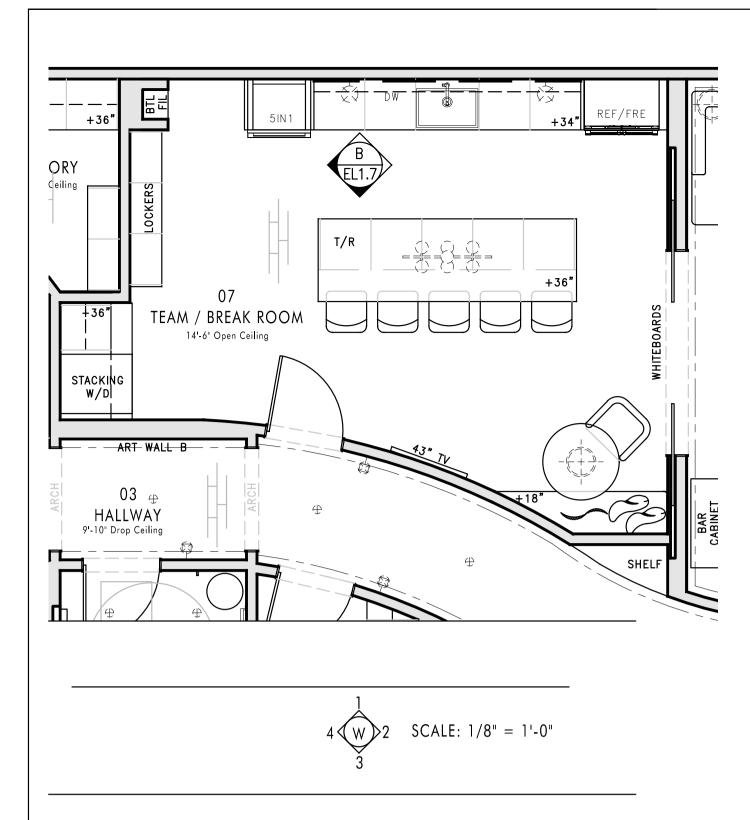
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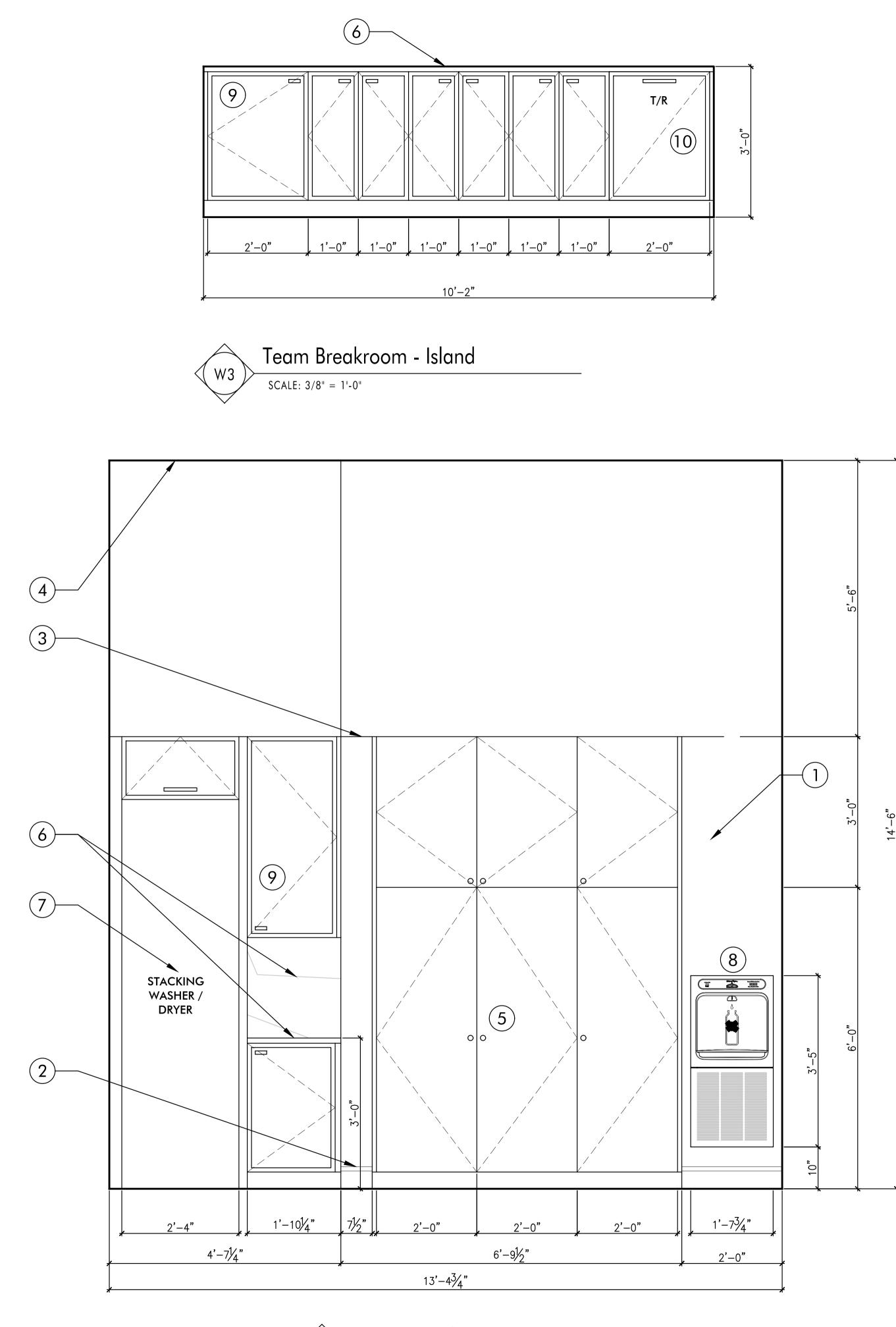
TEAM BREAKROOM

MAIN LEVEL

EL1.7A



- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- Line Denotes Transition Between Roman Clay Wall Treatment and Corresponding Acrylic Paint. Acrylic Paint to Continue on Ceiling and Exposed Mechanicals
- 4. Exposed Mechanicals To Be Painted Per Acrylic Paint Specified in Presentation
- 5. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 6. Backsplash and Countertop To Be Installed As Specified in Presentation
- 7. Stacking Washer and Dryer To Be Installed As Specified in Presentation. Contractor to Ensure Necessary Plumbing, Electrical, and HVAC Considerations
- 8. Bottle Filler To Be Installed As Specified in Presentation. Contractor to Ensure Necessary Plumbing and Backing
- Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 10. Trash/Recycle Pull Out Drawer
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation



W4 Team Breakroom

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



INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

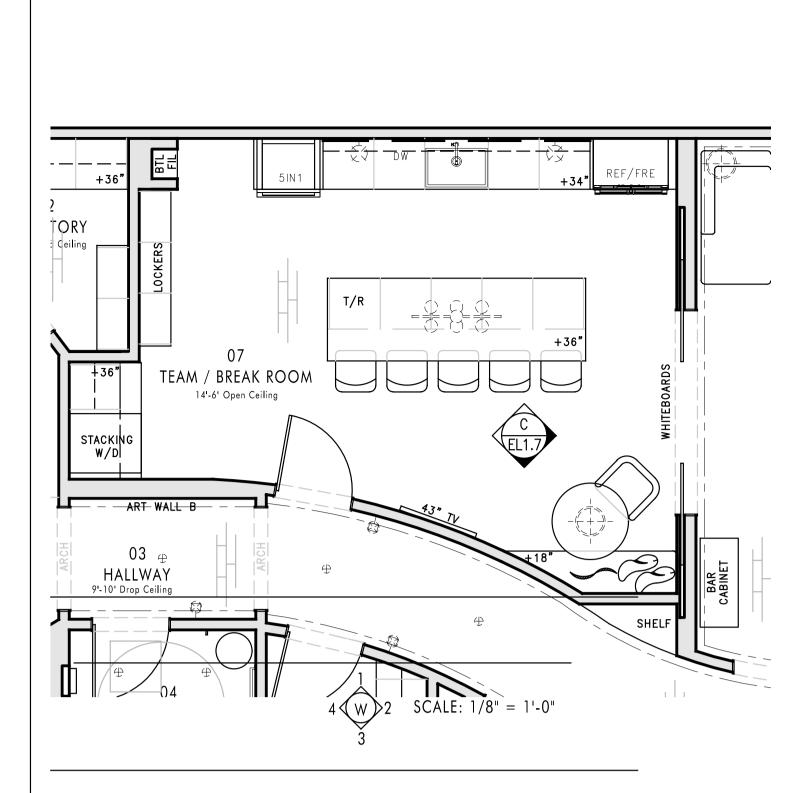
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MAIN LEVEL TEAM BREAKROOM

SHEET #

EL1.7B

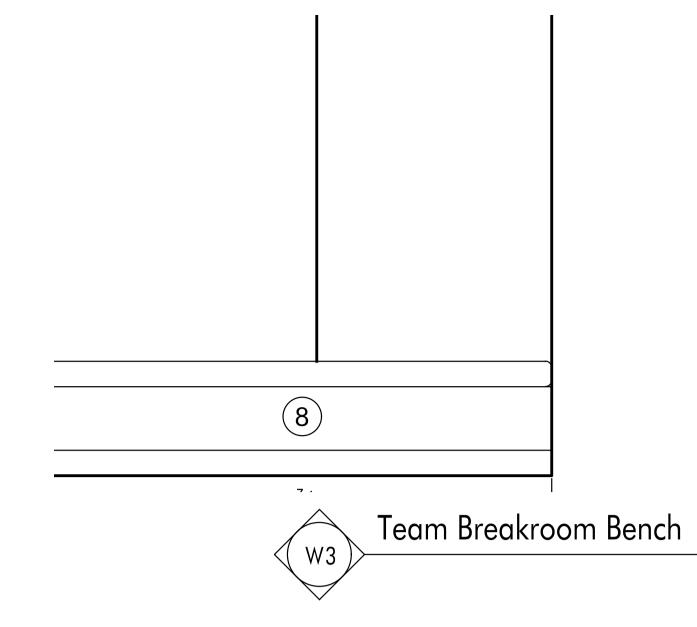


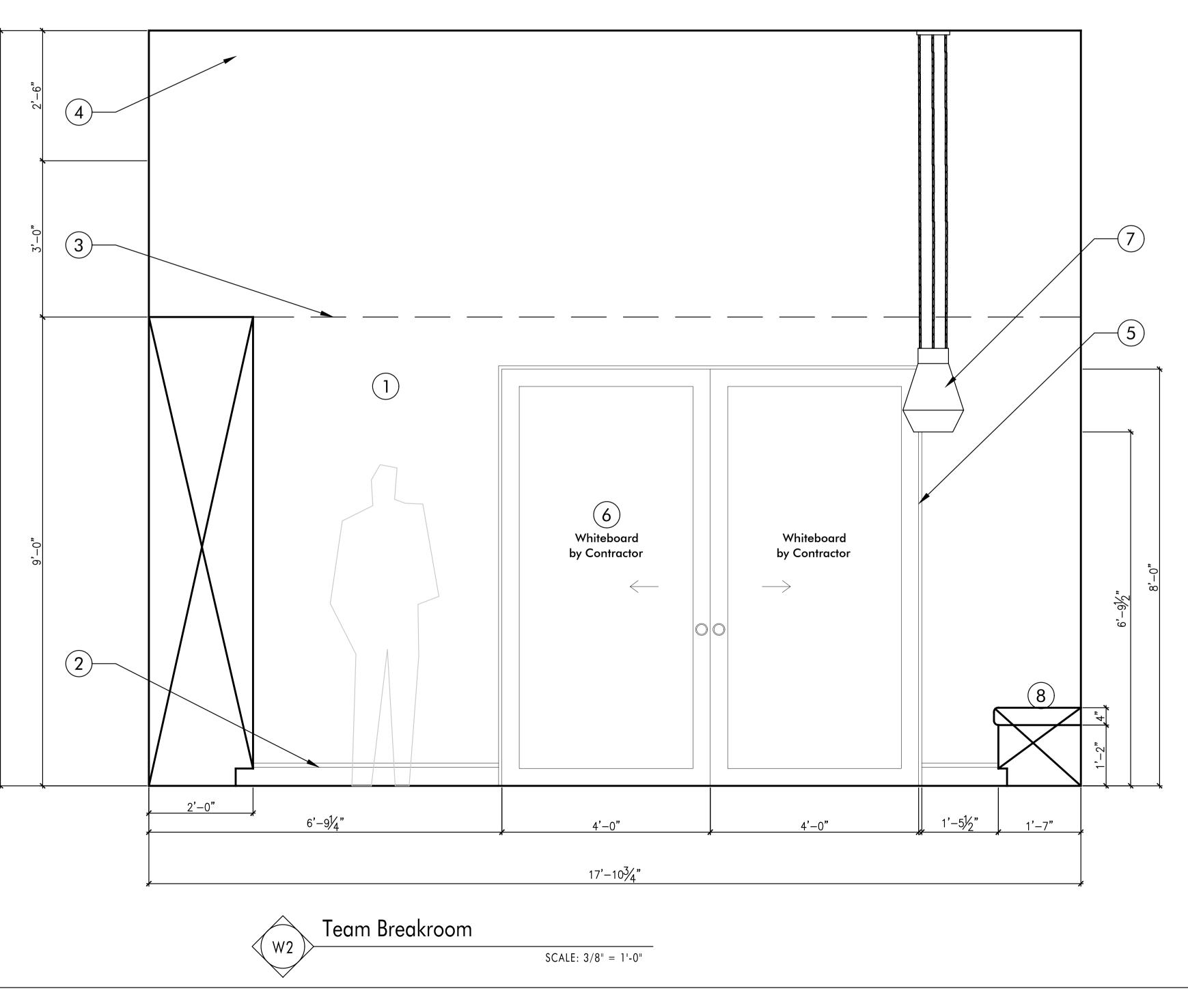


5

General Notes:

- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Line Denotes Transition Between Roman Clay Wall Treatment and Corresponding Acrylic Paint. Acrylic Paint to Continue on Ceiling and Exposed Mechanicals
- 4. Exposed Mechanicals To Be Painted Per Acrylic Paint Specified in Presentation
- 5. Wooden Pocket Doors Per Concept Image With Inset Whiteboard on Team Breakroom Side ONLY. As Specified in Presentation
- 6. Whiteboard To Be Installed As Specified in Presentation. By Contractor
- 7. Decorative Pendant Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- 8. Built-In Bench and Cushion To Be Installed As Specified in Presentation. Bench Base by Contractor, Cushion by Inside Stories
- All Dimensions To Be Confirmed By Contractor \bullet
- All Electrical, AV and HVAC To Be Done By Others •
- All Selections Specified in Presentation •





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



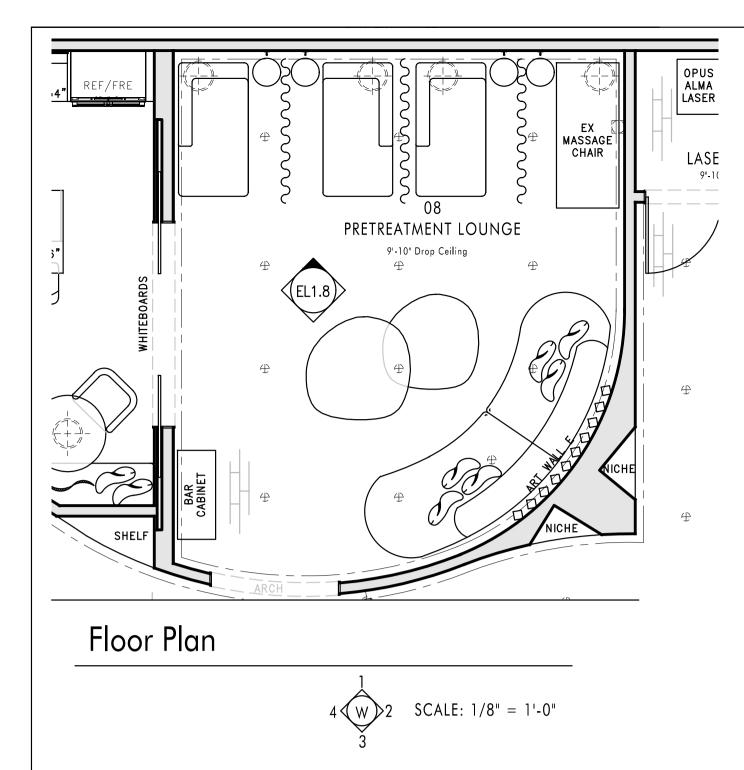
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SHEET #

EL1.7C

TEAM BREAKROOM

MAIN LEVEL



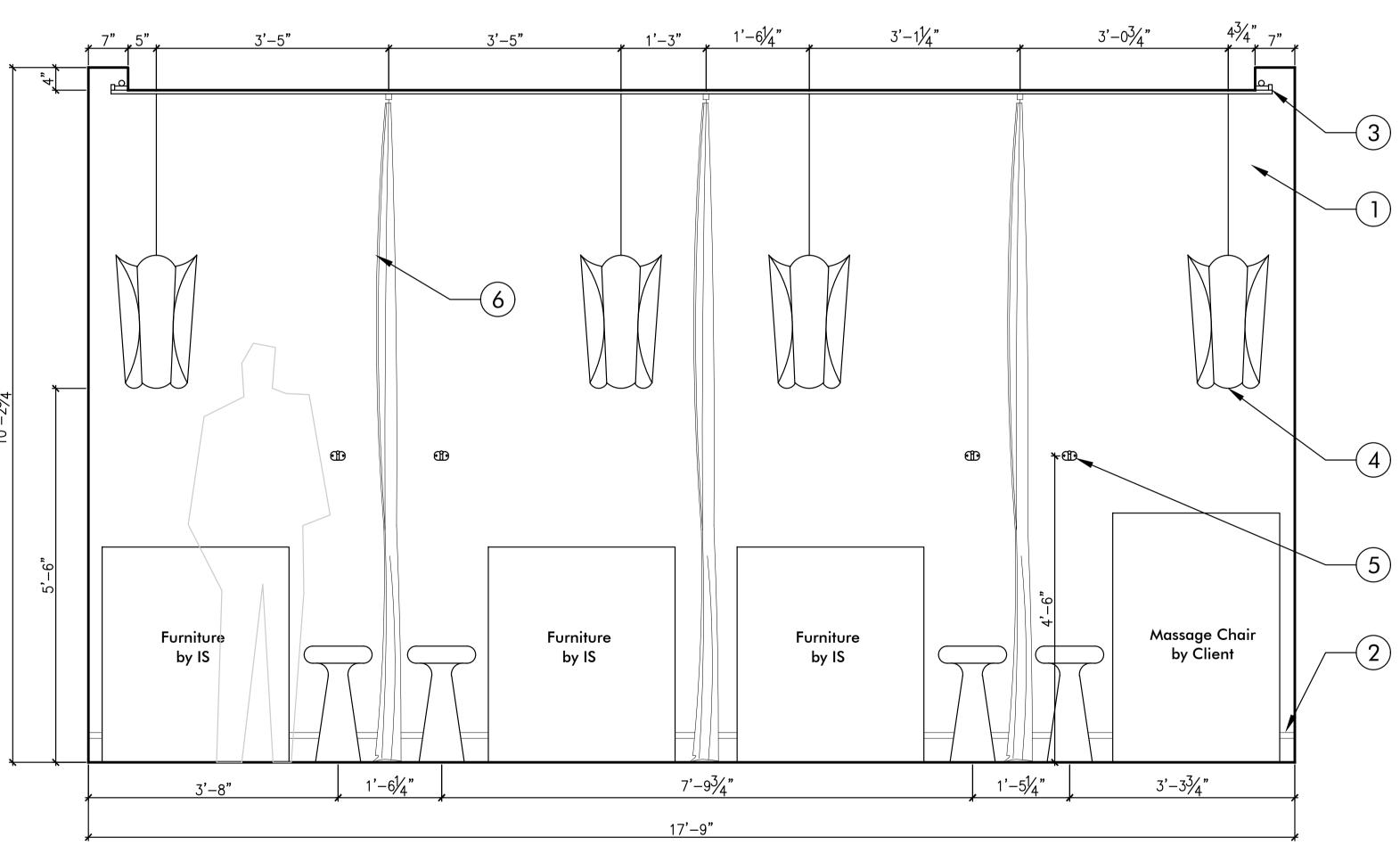
- All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- Drop Ceiling with Perimeter Inverted Cove Lighting Per Concept Image
- 4. Decorative Pendants Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- Hooks Provided By Inside Stories, Installed By Contractor.
 Contractor to Install Backing Within Wall For Extra Support
- 6. Room Divider Curtains Per Concept Image, Provided By And Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation

3





Drop Ceiling With Perimeter Inverted Cove Lighting Concept



Pre-Treatment Lounge

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



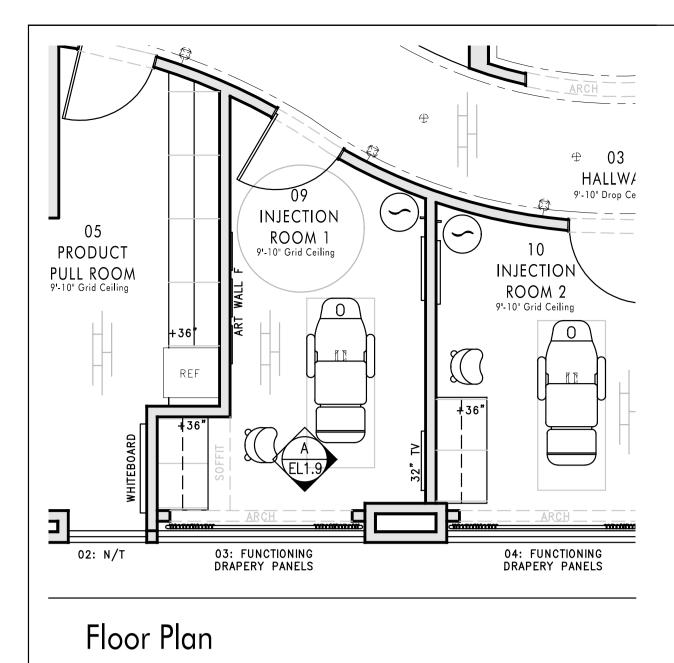
INSIDE STORIES

Date	Remarks
08.21.24	Schematic Desig

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MAIN LEVEL PRETREATMENT LOUNGE



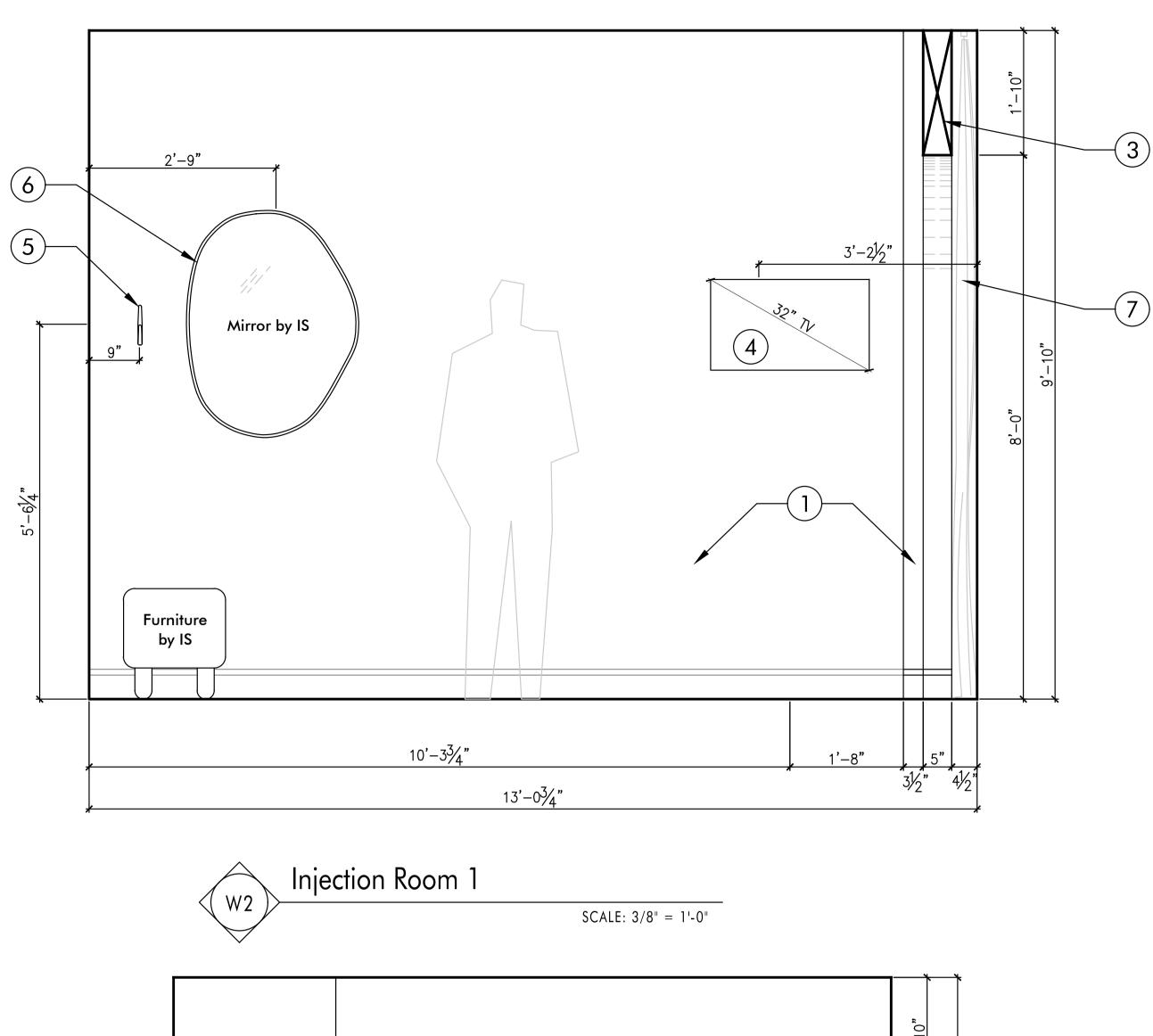
4 W 2 SCALE: 1/8" = 1'-0"

General Notes:

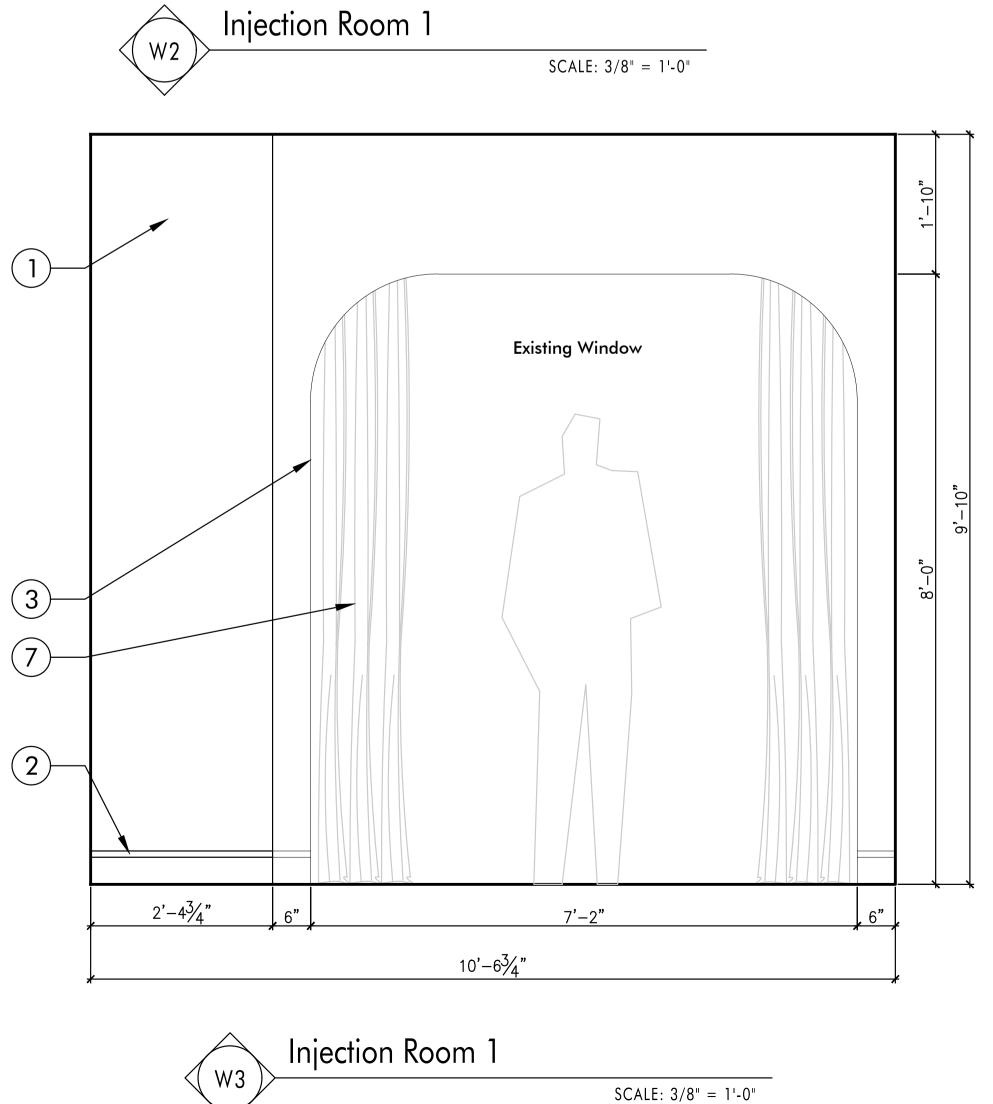
- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 32" Television To Be Installed As Specified in Presentation. 4. Provided By Client and Installed By Contractor. Contractor To Ensure Necessary Electrical and Backing
- 5. Hook Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 6. Mirror Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 7. Drapery Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor •
- All Electrical, AV and HVAC To Be Done By Others \bullet
- All Selections Specified in Presentation •



Arch Window / Pocket Drapery Concept 3







INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

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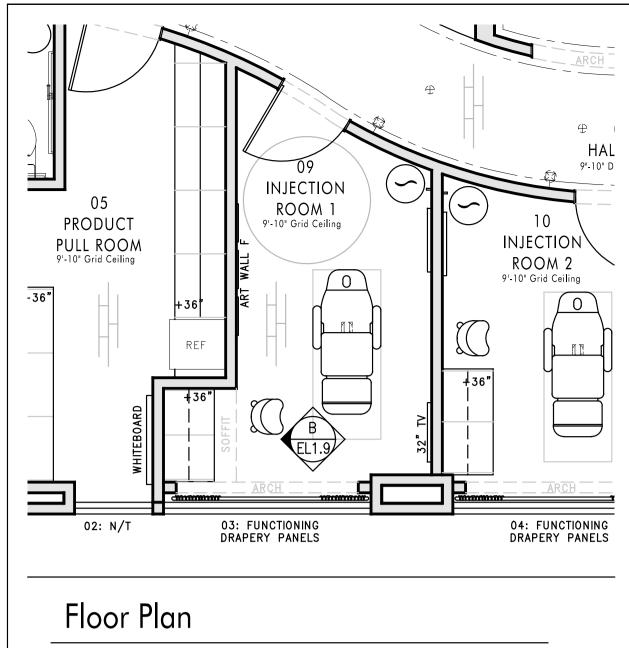
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MAIN LEVEL **INJECTION ROOM 1**

EL1.9A



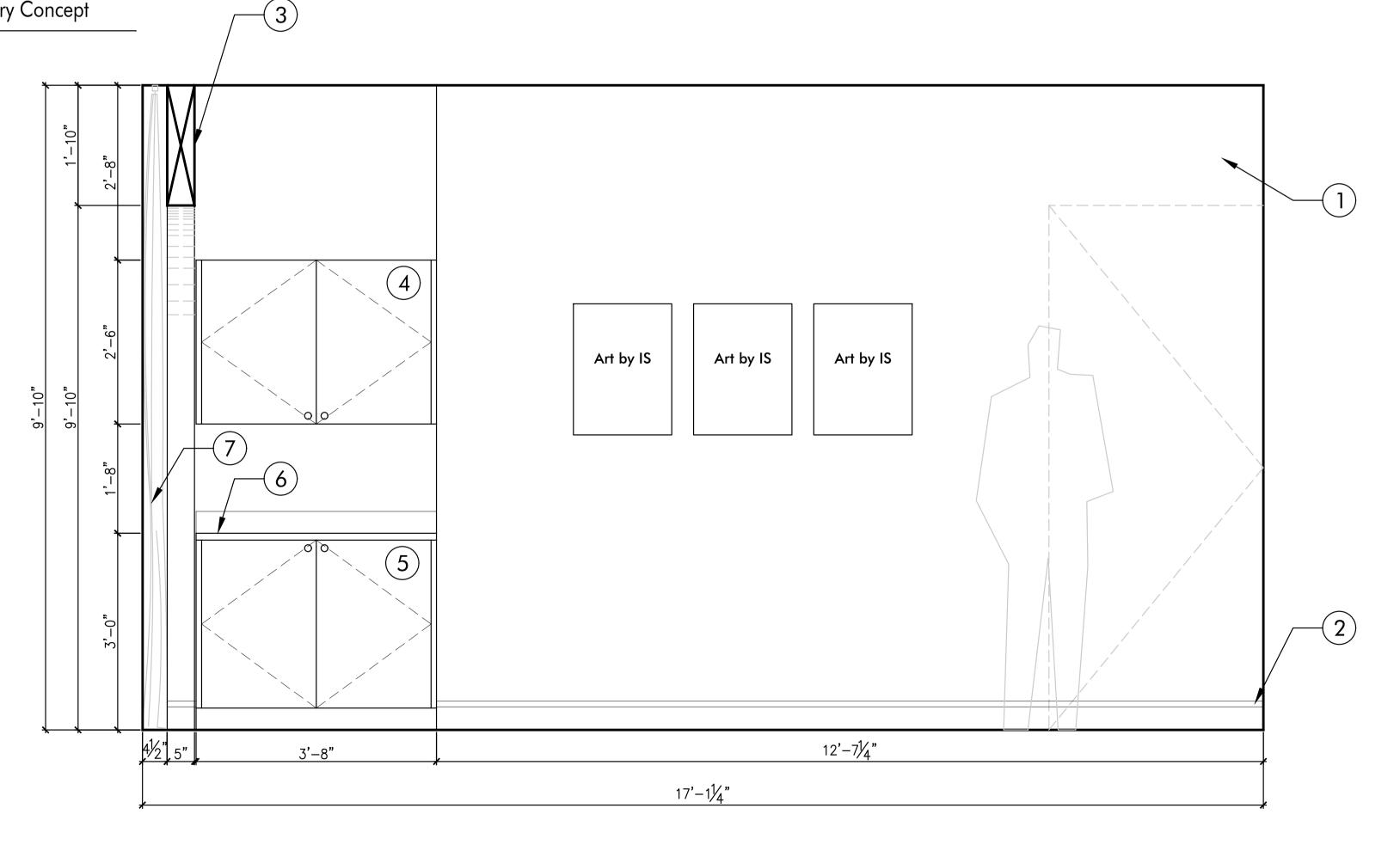


- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 4. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 5. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 6. Countertop and Backsplash To Be Installed As Specified in Presentation
- 7. Drapery Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others •
- All Selections Specified in Presentation •



Arch Window / Pocket Drapery Concept 3





Injection Room 1 🔇 W4 🕽



INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

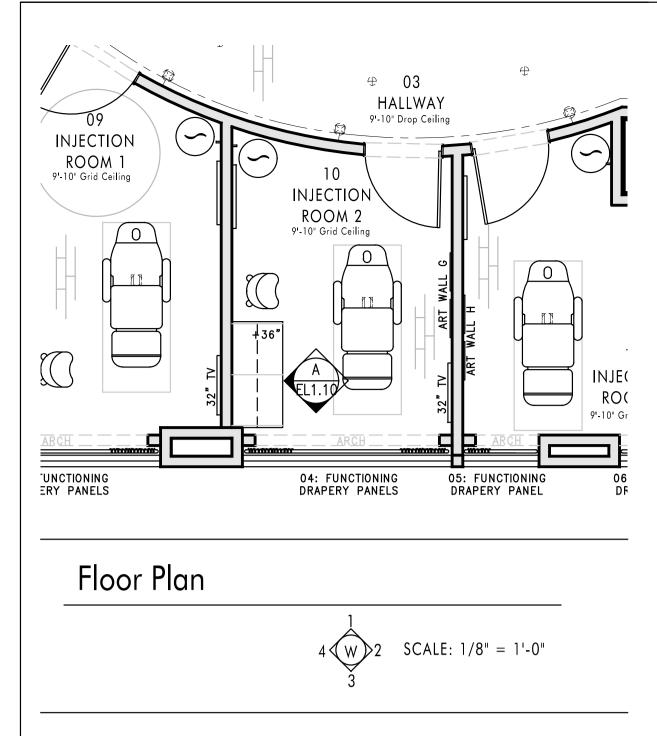


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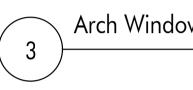
MAIN LEVEL **INJECTION ROOM 1**

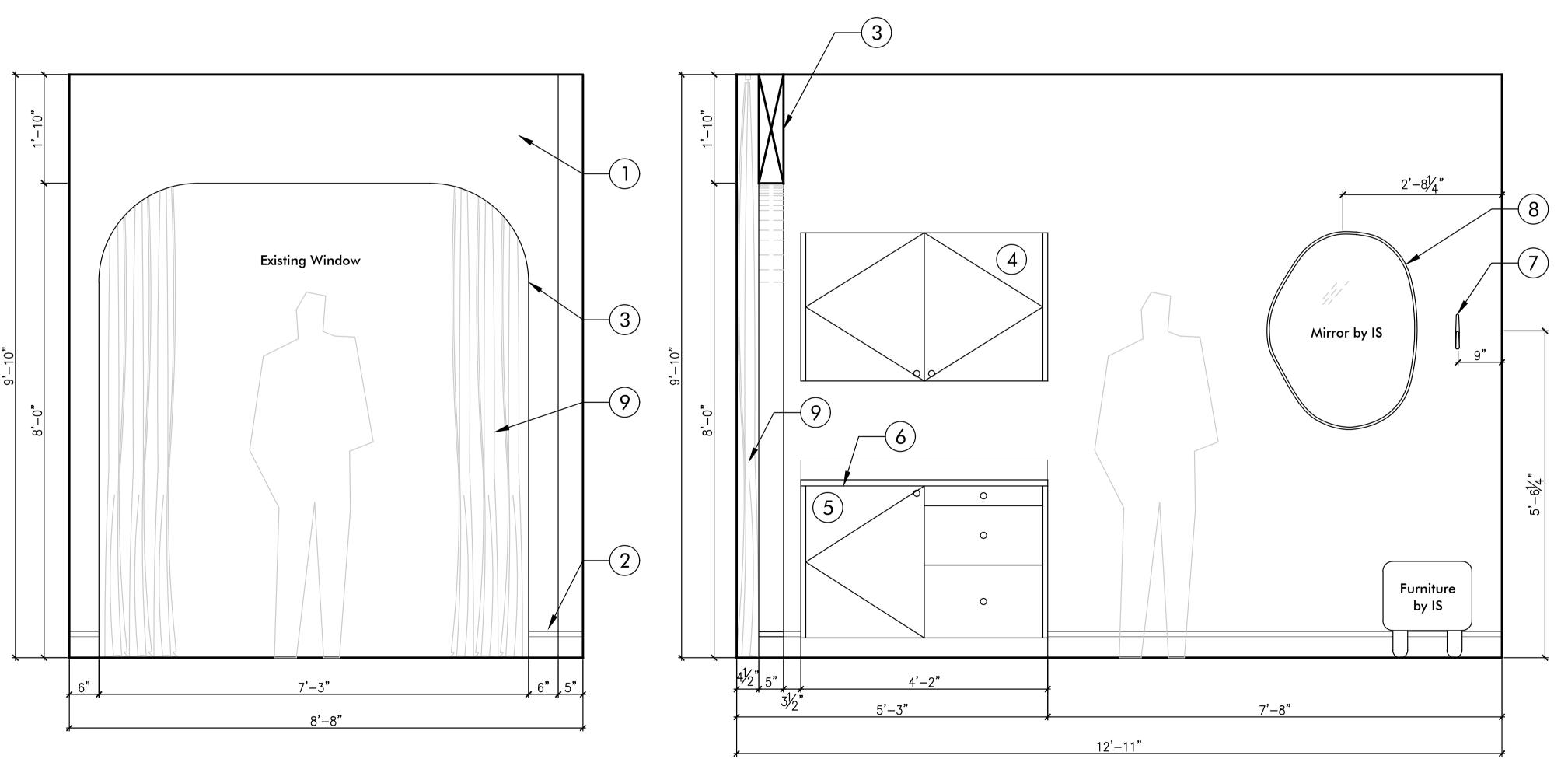
SHEET #

EL1.9B









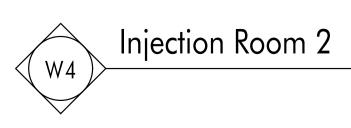
- All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 4. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- Cabinets Provided and Installed By Contractor As Specified in Presentation.
 Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 6. Countertop and Backsplash To Be Installed As Specified in Presentation
- Hook Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- Mirror Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 9. Drapery Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation

Arch Window / Pocket Drapery Concept

Injection Room 2

(W3

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





INSIDE STORIES

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Date	Remarks
08.21.24	Schematic Design

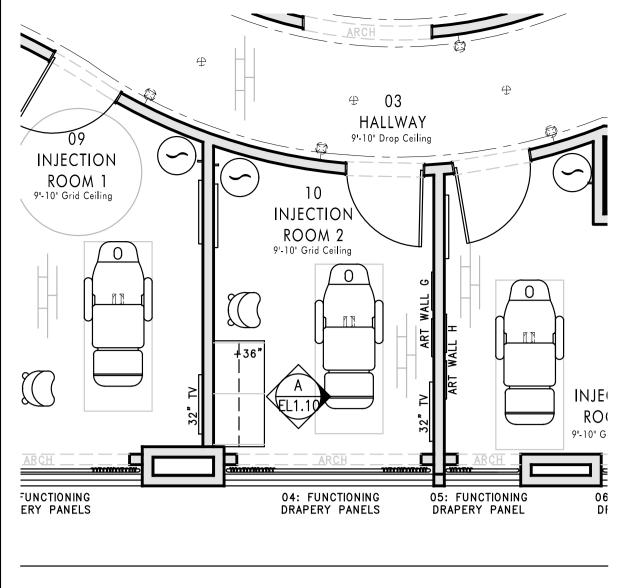
ONFIDENCE NG CO Centennial, INJEC. These drawings and specifications are the property and copyright of Inside Stories and shall not be used on any other work except by agreement with Inside Stories. Written dimensions shall not take preference over scaled dimensions and shall be verified on the job site. Any discrepancy shall be brought to the notice of Inside Stories prior to the commencement of any work. MAIN LEVEL

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

INJECTION ROOM 2

SHEET #

EL1.10A



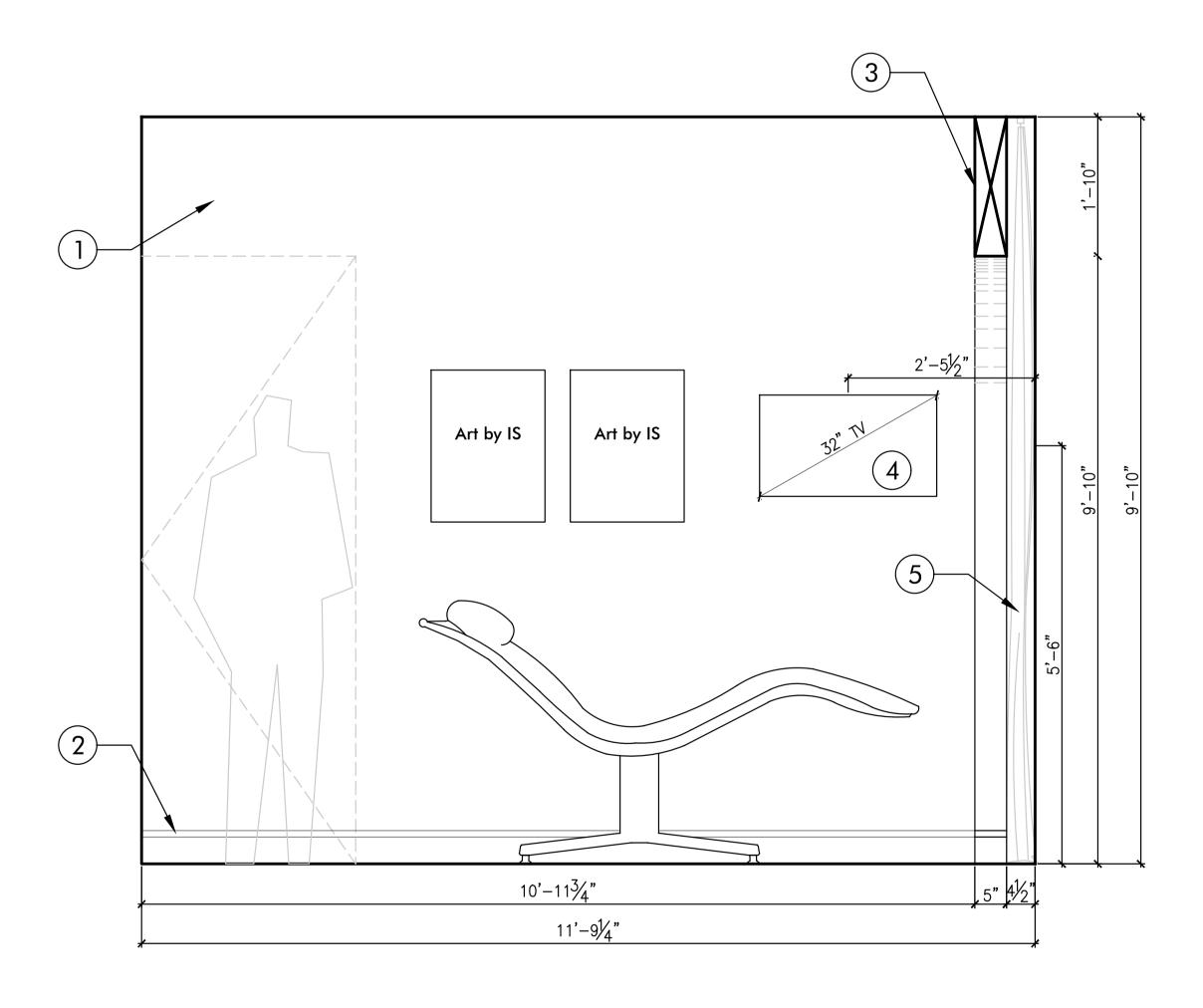
$$4 \underbrace{1}_{3} 2$$
 SCALE: $1/8" = 1'-0"$

General Notes:

- All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 4. 32" Television To Be Installed As Specified in Presentation.
 Provided By Client and Installed By Contractor. Contractor
 To Ensure Necessary Electrical and Backing
- 5. Drapery Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation



3 Arch Window / Pocket Drapery Concept



W2 Injection Room 2

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



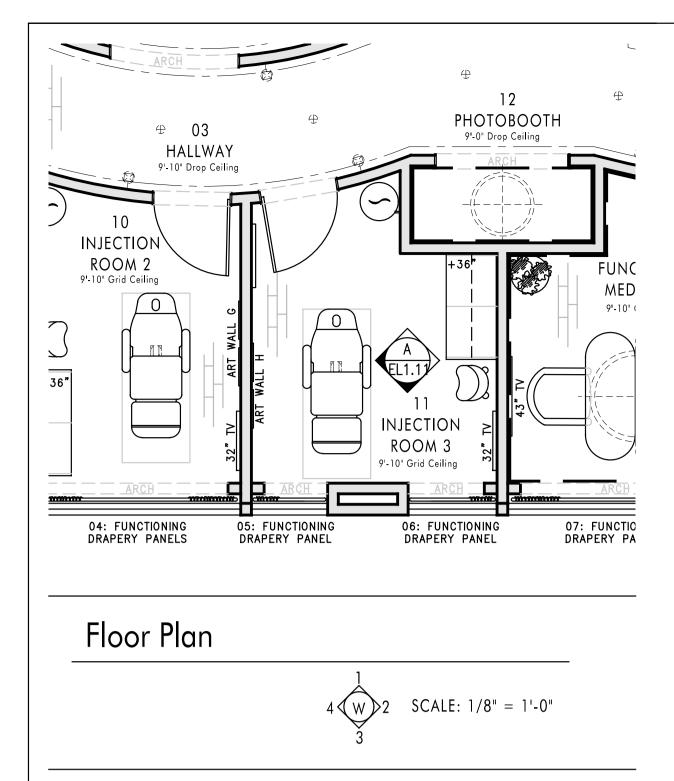
INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

INJECTING CONFIDENCE Centennial, CO

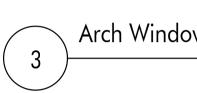
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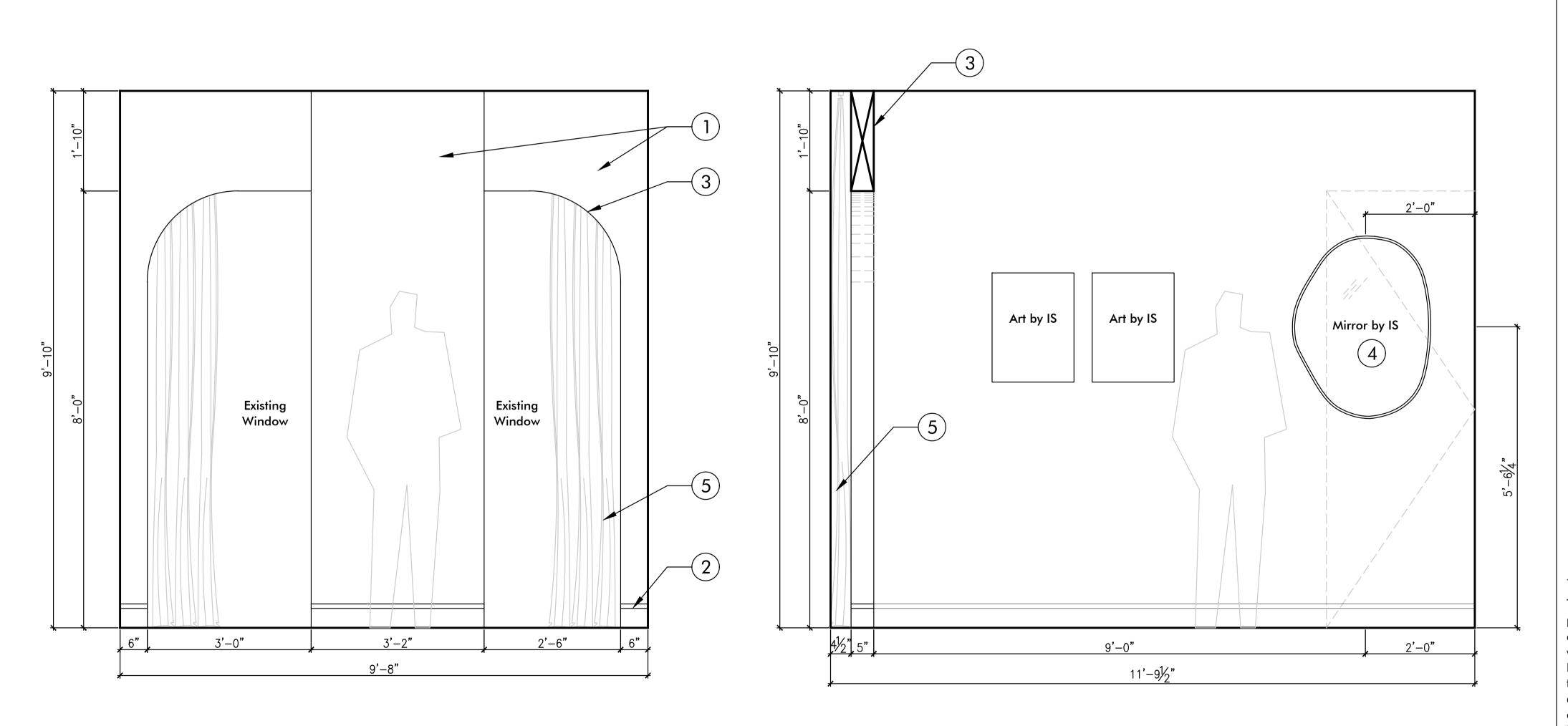
MAIN LEVEL INJECTION ROOM 2 SHEET # EL1.10B

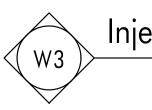


- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 4. Mirror Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 5. Drapery Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation





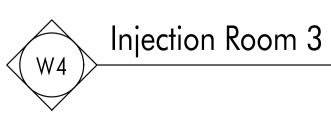




Arch Window / Pocket Drapery Concept

Injection Room 3

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





INSIDE STORIES

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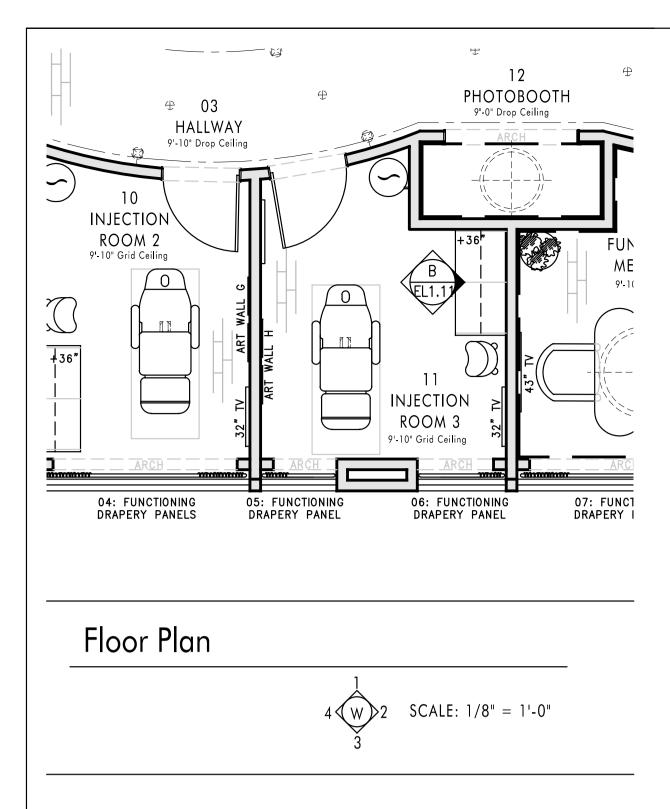
Date	Remarks
08.21.24	Schematic Design

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

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MAIN LEVEL INJECTION ROOM 3

SHEET # EL1.11A



- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 4. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 5. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 6. Countertop and Backsplash To Be Installed As Specified in Presentation
- 7. Hook Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 8. 32" Television To Be Installed As Specified in Presentation. Provided By Client and Installed By Contractor. Contractor to Ensure Necessary Backing and Electrical
- 9. Drapery Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation



Arch Window / Pocket Drapery Concept

(1)(4)1'-7½" (7)(6)-0 (5)0 (2)-Furniture 0 by IS 4'-2" 3'-3" 13'-1<u>/4</u>" Injection Room 3 (W2

3



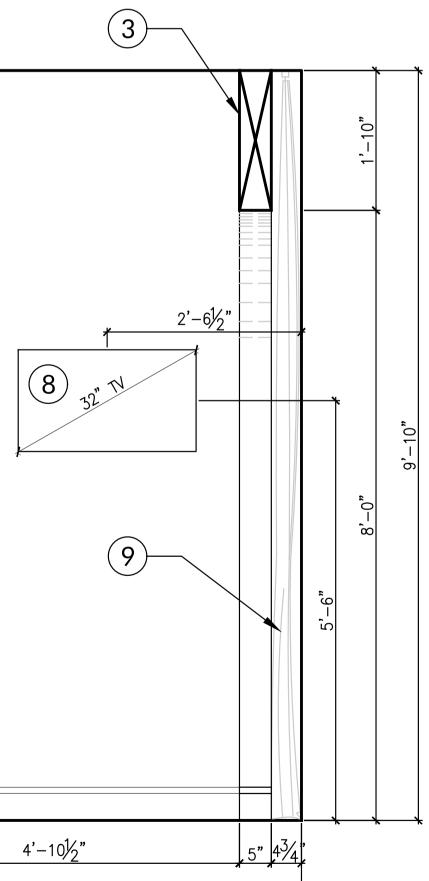
Date	Remarks
08.21.24	Schematic Design



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EL1.11B



12 PHOTOBOOTH 9'-0" Drop Ceiling 3 .WAY p Ceiling FUNCTIONAL MED ROOM 9'-10" Grid Ceiling 32" TV ART WALL G ART WALL H INJECTION ROOM 3 Floor Plan 4 W 2 SCALE: 1/8" = 1'-0"

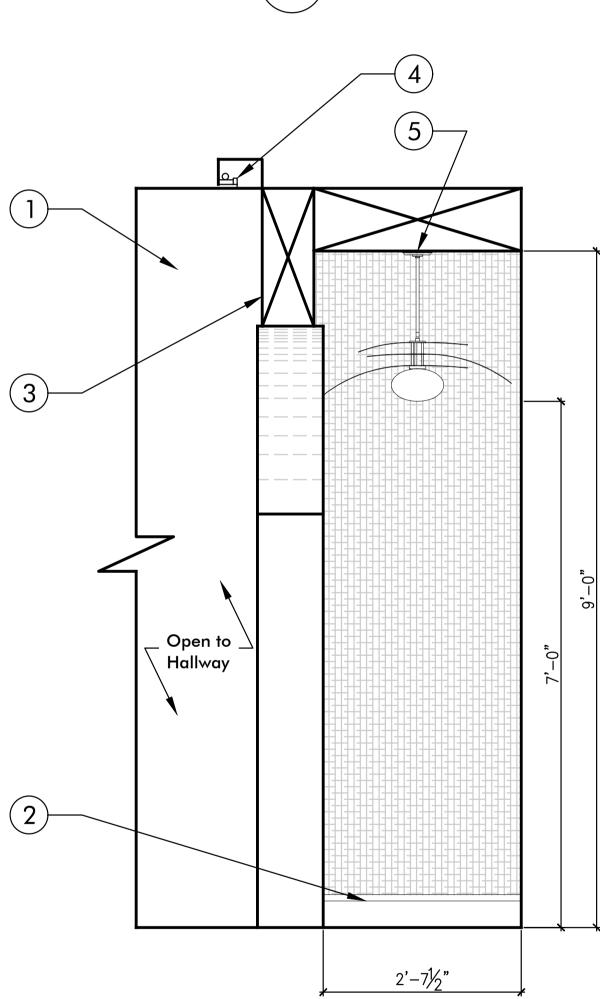


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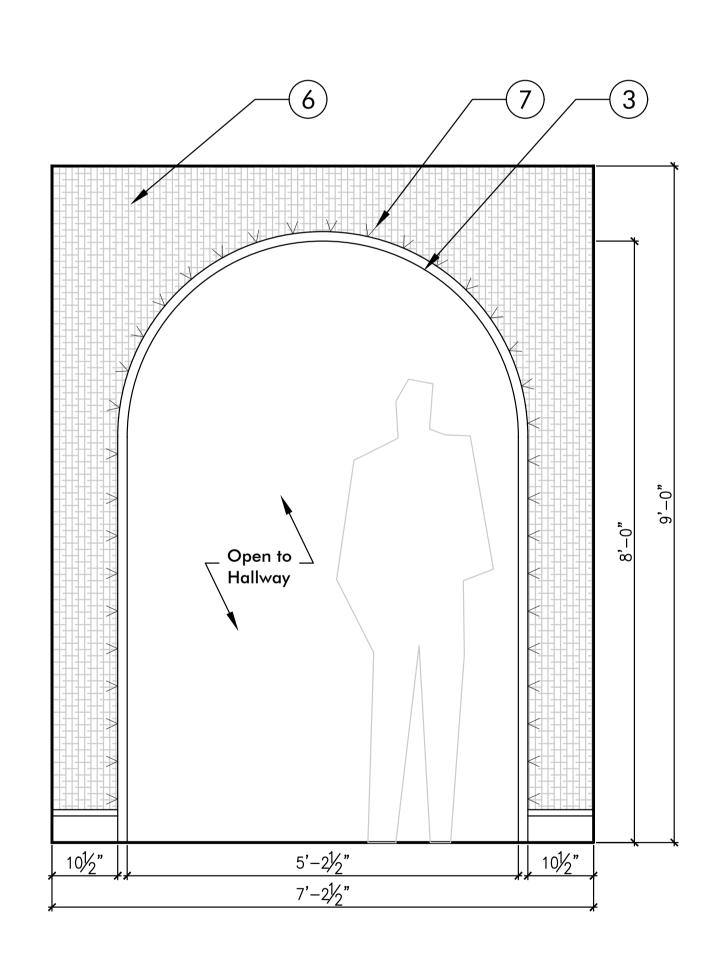
- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arched Doorway Casing Per Concept Image
- 4. Drop Ceiling with Perimeter Inverted Cove Lighting Per Concept Image
- 5. Decorative Pendant Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- 6. Wallcovering Provided and Installed by Inside Stories
- 7. Integrated LED Strip Lighting Per Concept Image. By Contractor. Inside Stories To Approve Selection Prior to Installation
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation

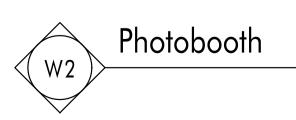


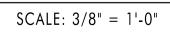
Drop Ceiling With Perimeter Inverted Cove Lighting Concept

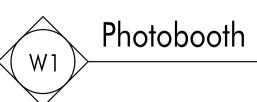


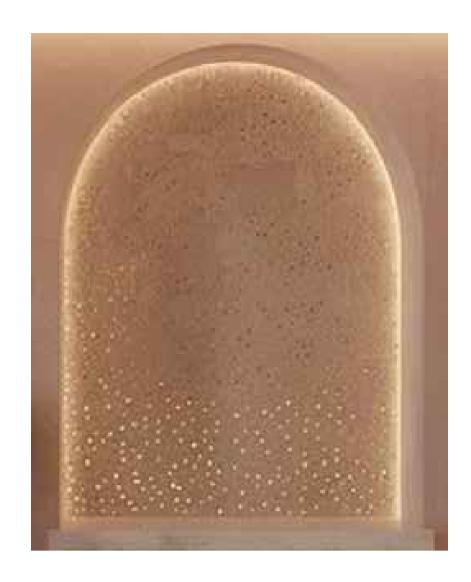
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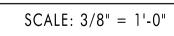








Back-lit Arch Concept





INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

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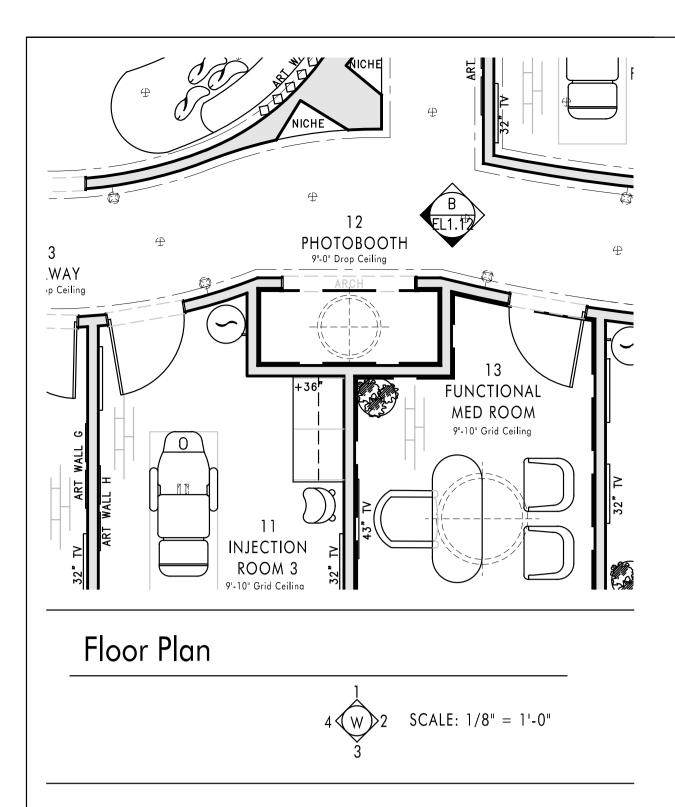
CONFIDENCE ial, co

NG CO Centennial,

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MAIN LEVEL PHOTOBOOTH

SHEET # EL1.12A



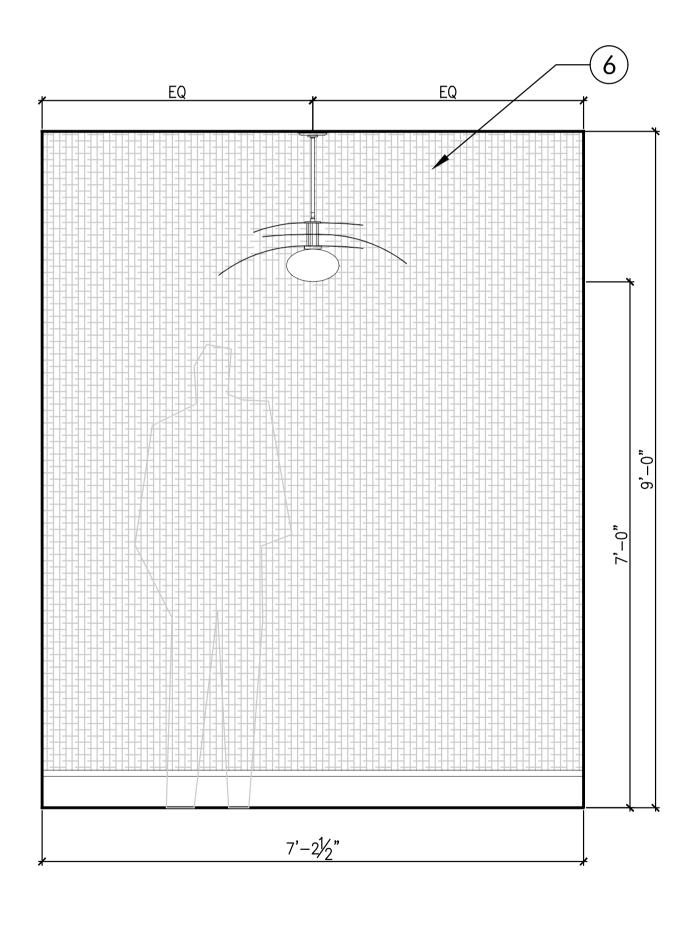


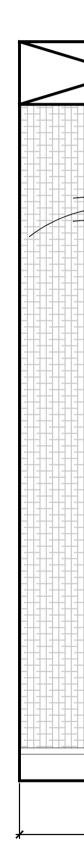
- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arched Doorway Casing Per Concept Image, As Specified in Presentation
- 4. Drop Ceiling with Perimeter Inverted Cove Lighting Per Concept Image
- 5. Decorative Pendant Provided By Inside Stories, Installed By Contractor. Contractor To Add Necessary Electrical
- 6. Wallcovering To Be Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation •

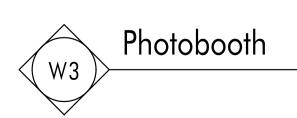
Arched Doorway Casing Concept



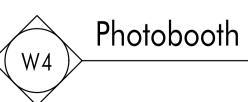
Drop Ceiling With Perimeter Inverted Cove Lighting Concept 4

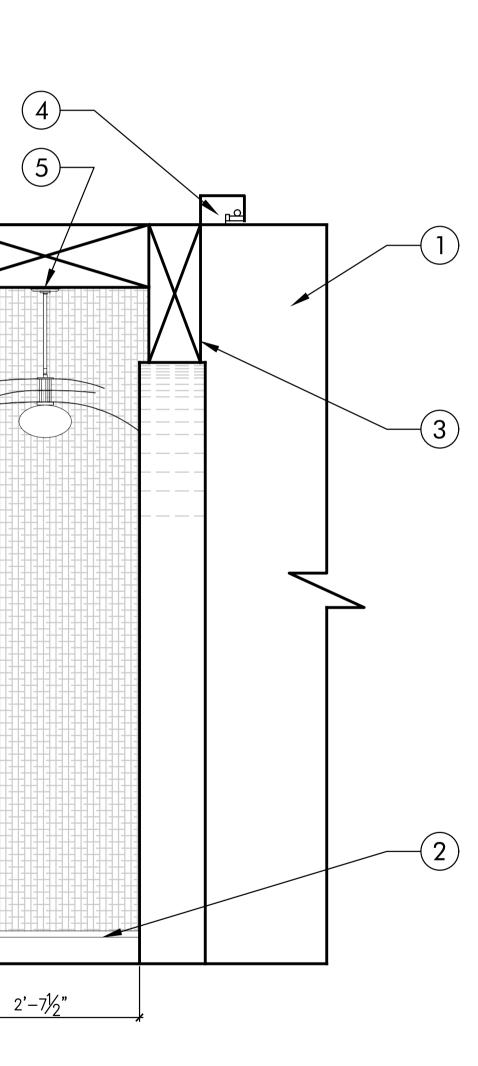


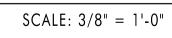




SCALE: 3/8" = 1'-0"









INSIDE STORIES

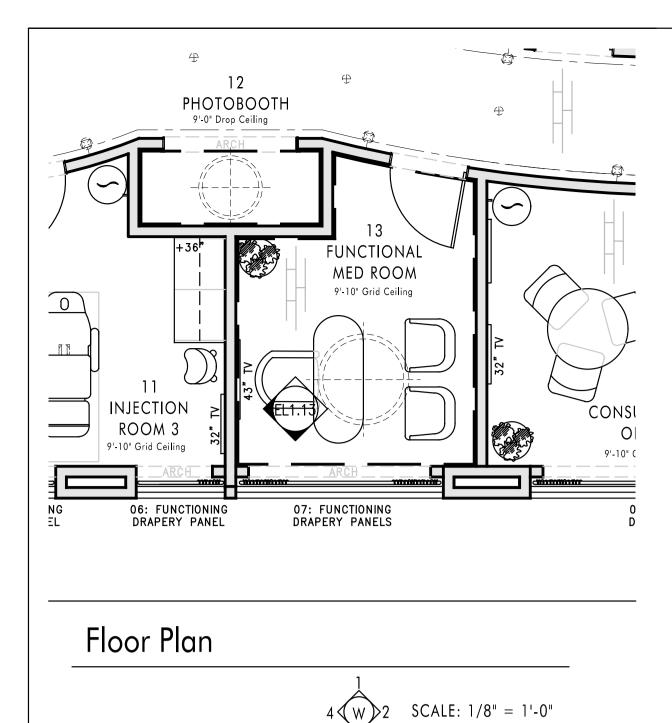
Date	Remarks
08.21.24	Schematic Design

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MAIN LEVEL PHOTOBOOTH

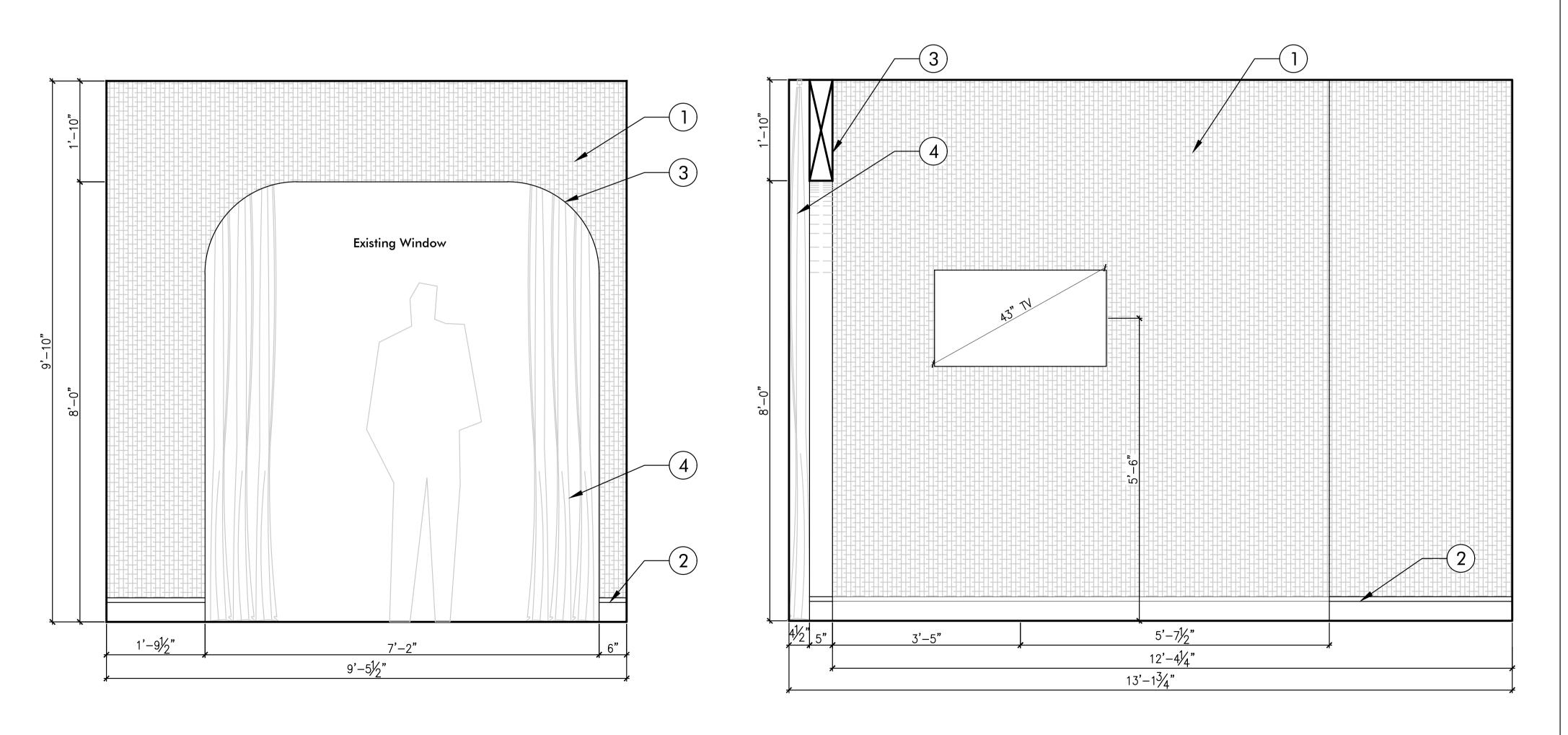
SHEET # EL1.12B

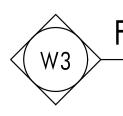


- Wallcovering to Continue On All Walls. Wallcovering
 Provided and Installed By Inside Stories
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 4. Drapery Provided and Installed By Inside Stories
- 5. 43" Television To Be Installed As Specified in
 Presentation.Provided By Client and Installed By Contractor.
 Contractor to Ensure Necessary Backing and Electrical
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation



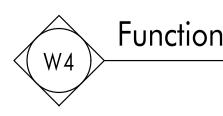
Arch Windov





Arch Window / Pocket Drapery Concept

Functional Medicine Room



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



INSIDE STORIES

Date	Remarks
08.21.24	Schematic

24 Schematic Design

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Functional Medicine Room

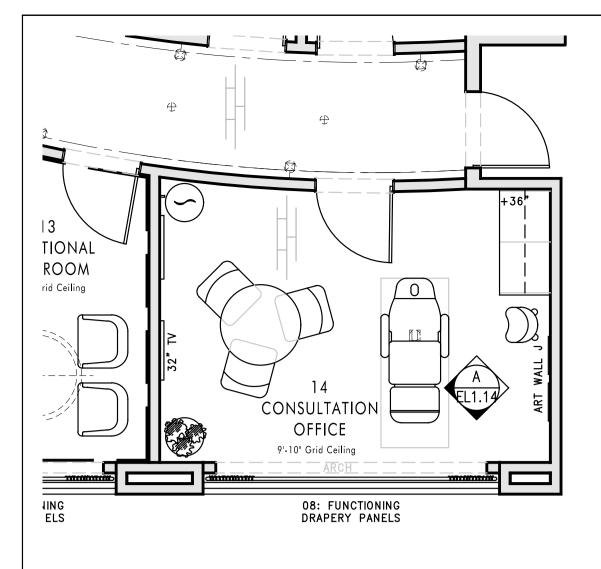
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MAIN LEVEL FUNCTIONAL MEDICINE

SHEET #

EL1.13

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



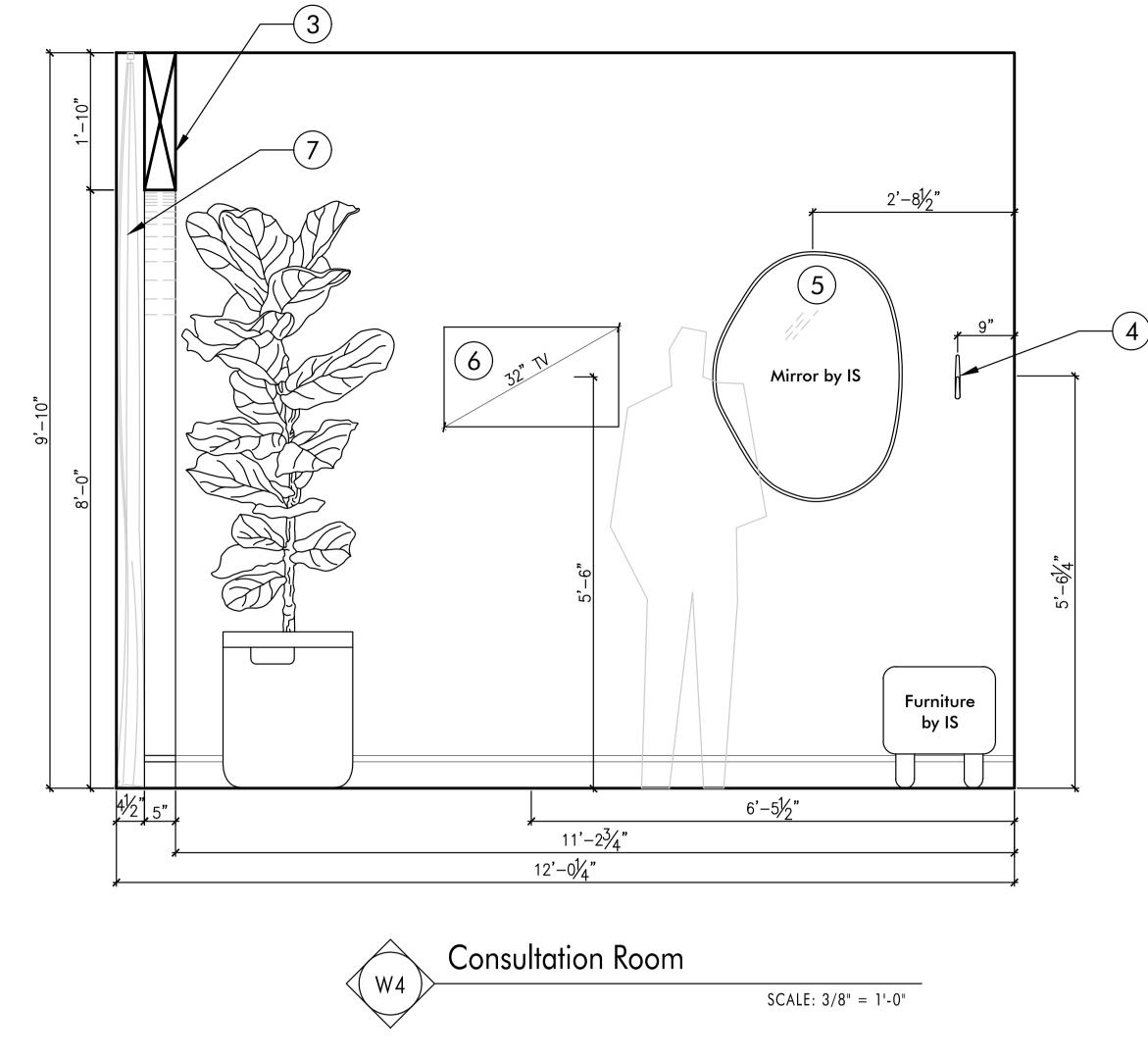
4 W 2 SCALE: 1/8" = 1'-0"

General Notes:

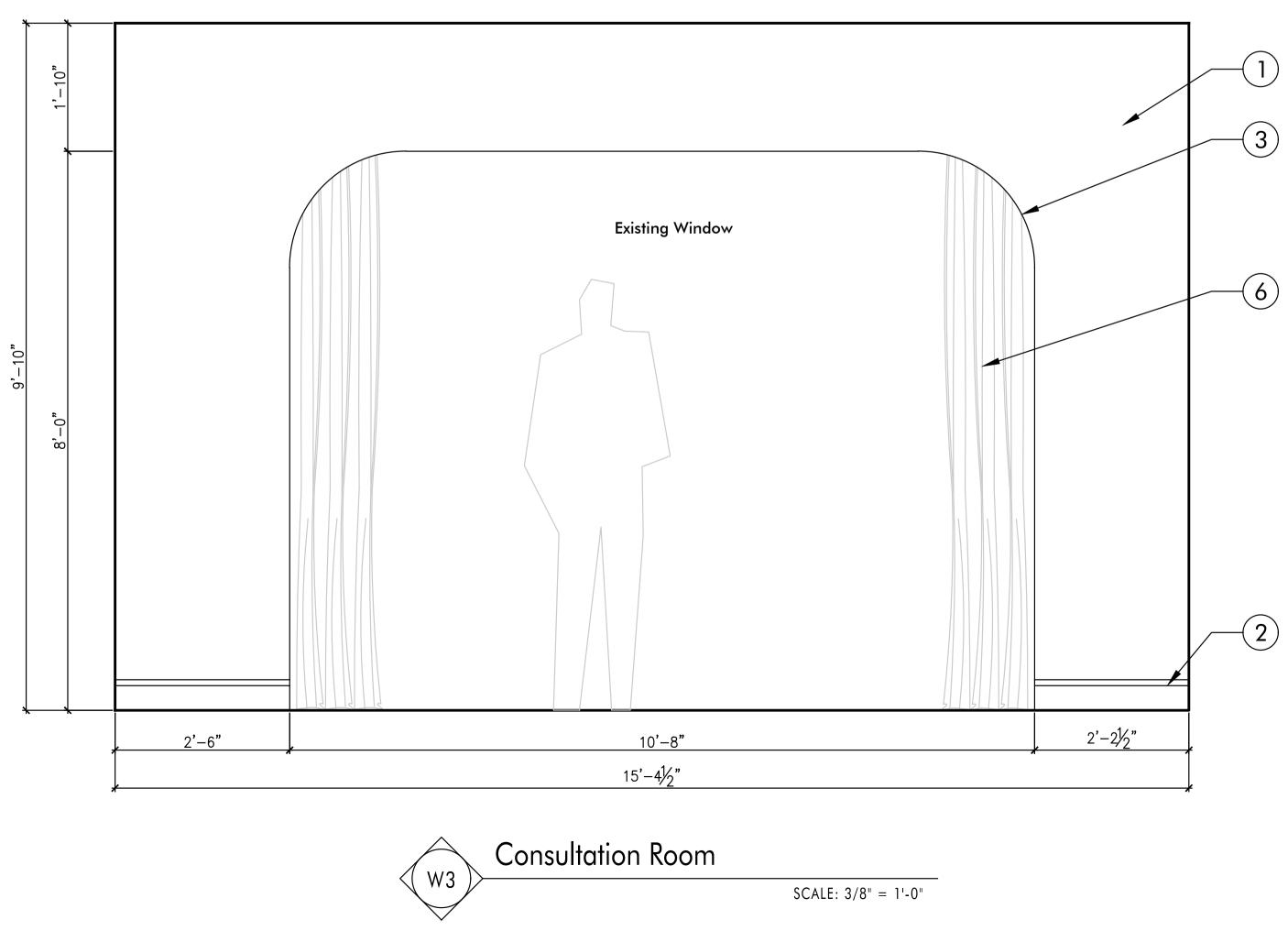
- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 4. Hook Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 5. Mirror Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 6. 32" Television To Be Installed As Specified in Presentation. Provided By Client and Installed By Contractor. Contractor to Ensure Necessary Backing and Electrical
- 7. Drapery Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor •
- All Electrical, AV and HVAC To Be Done By Others \bullet
- All Selections Specified in Presentation •



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Arch Window / Pocket Drapery Concept





INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

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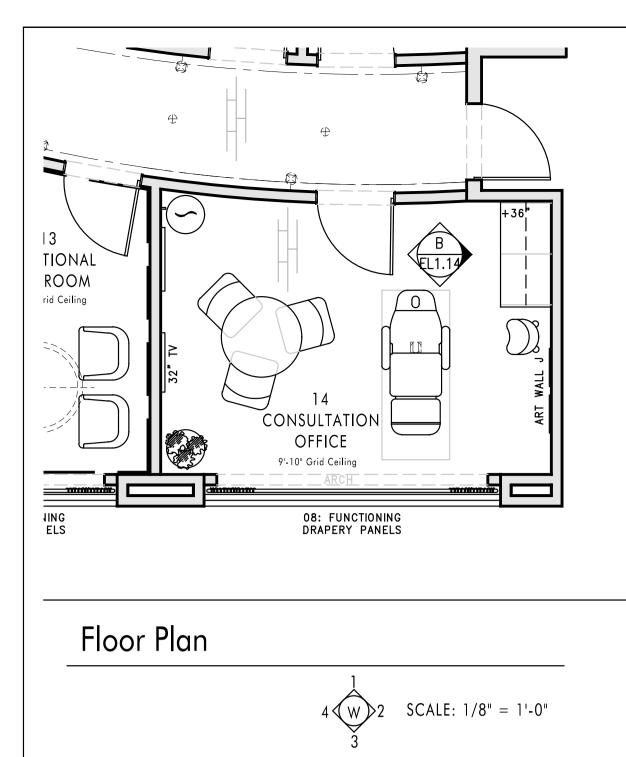
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MAIN LEVEL CONSULTATION OFFICE

EL1.14A

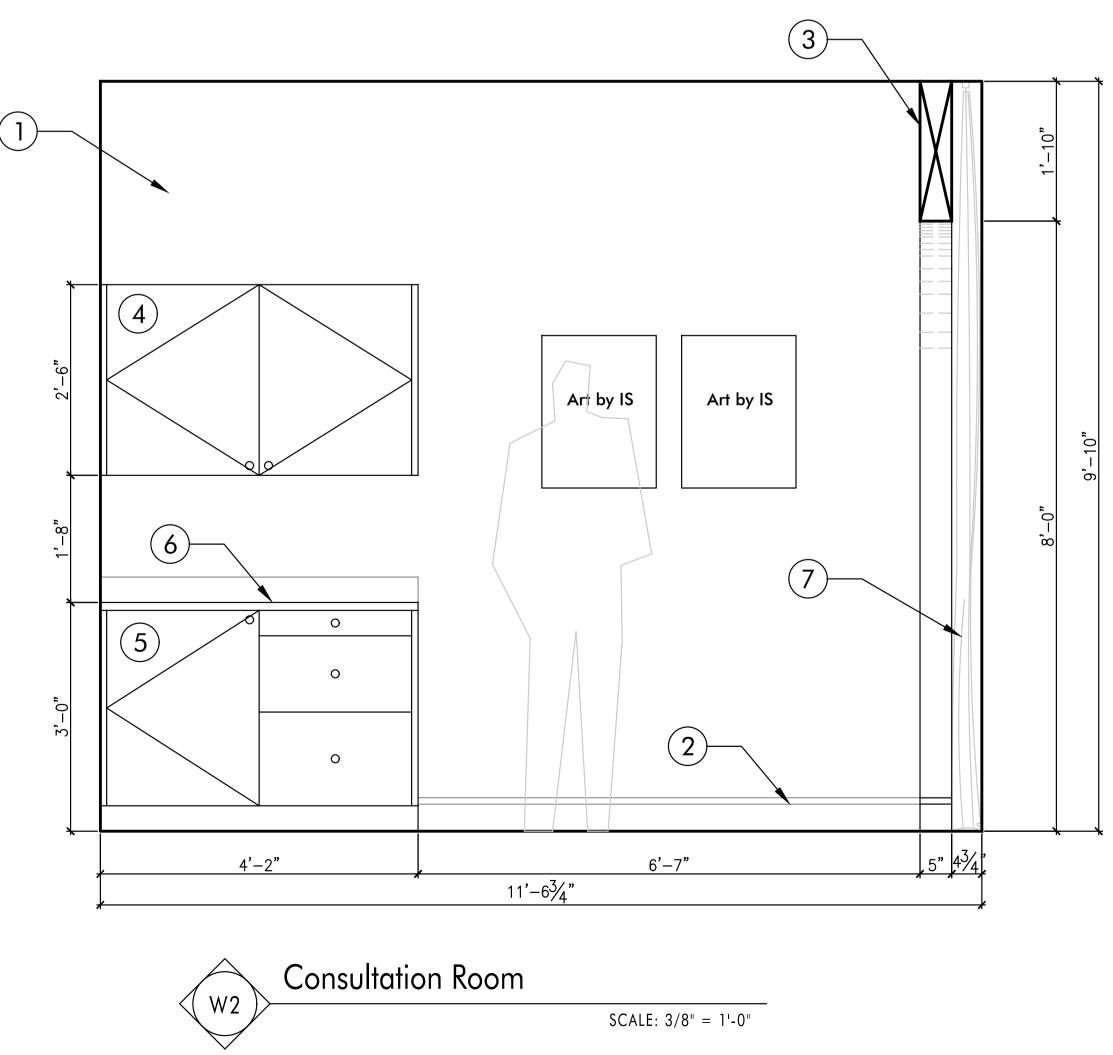


- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Arch Window / Pocket Drapery Per Concept Image
- 4. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 5. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 6. Countertop and Backsplash To Be Installed As Specified in Presentation
- 7. Drapery Provided and Installed By Inside Stories
- All Dimensions To Be Confirmed By Contractor \bullet
- All Electrical, AV and HVAC To Be Done By Others ●
- All Selections Specified in Presentation \bullet



Arch Window / Pocket Drapery Concept

3



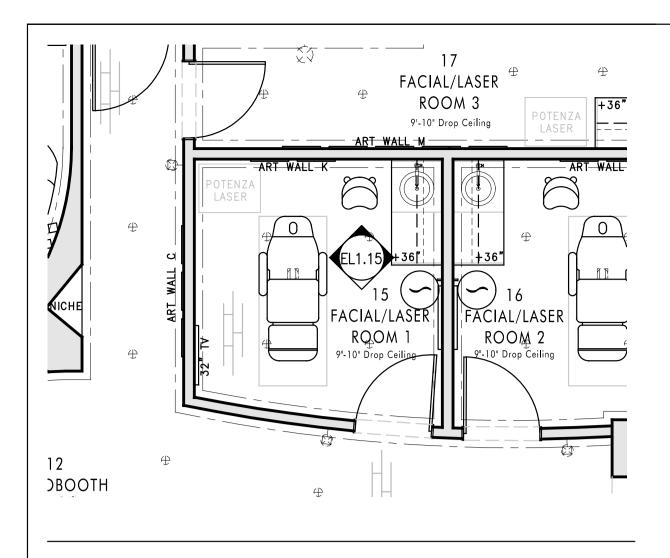


INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design



SHEET # EL1.14B



Floor Plan 4 W 2 SCALE: 1/8" = 1'-0"

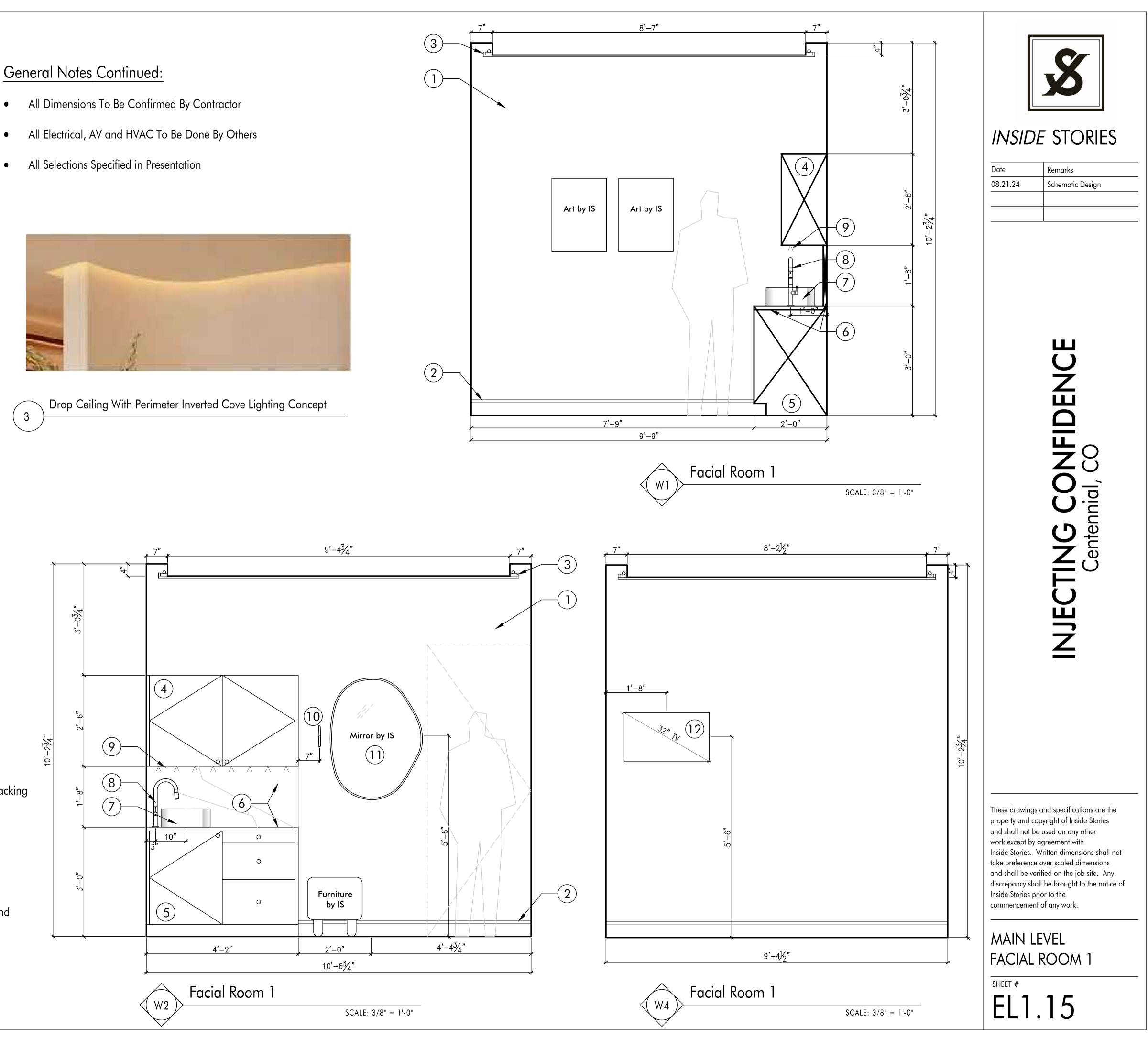
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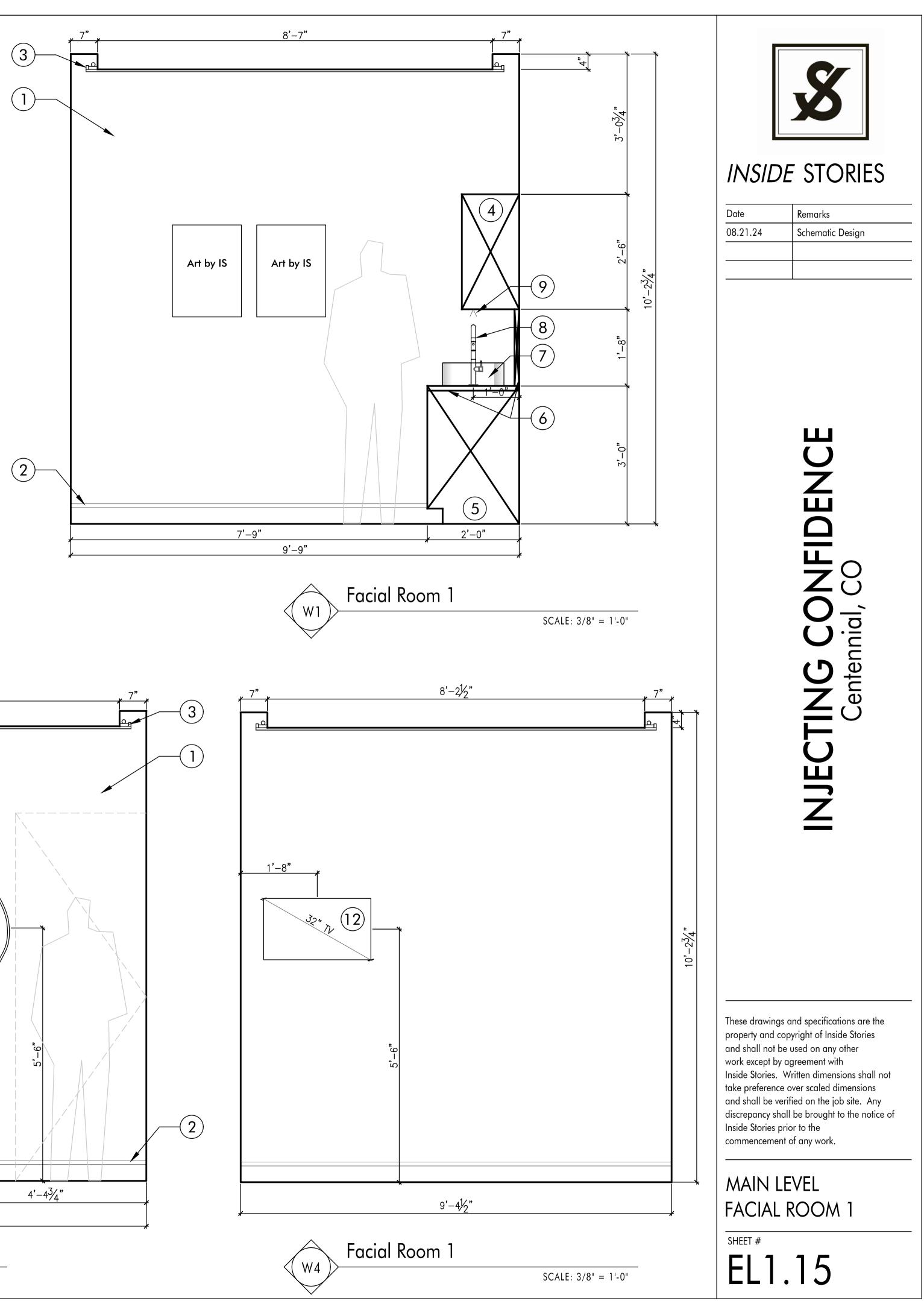
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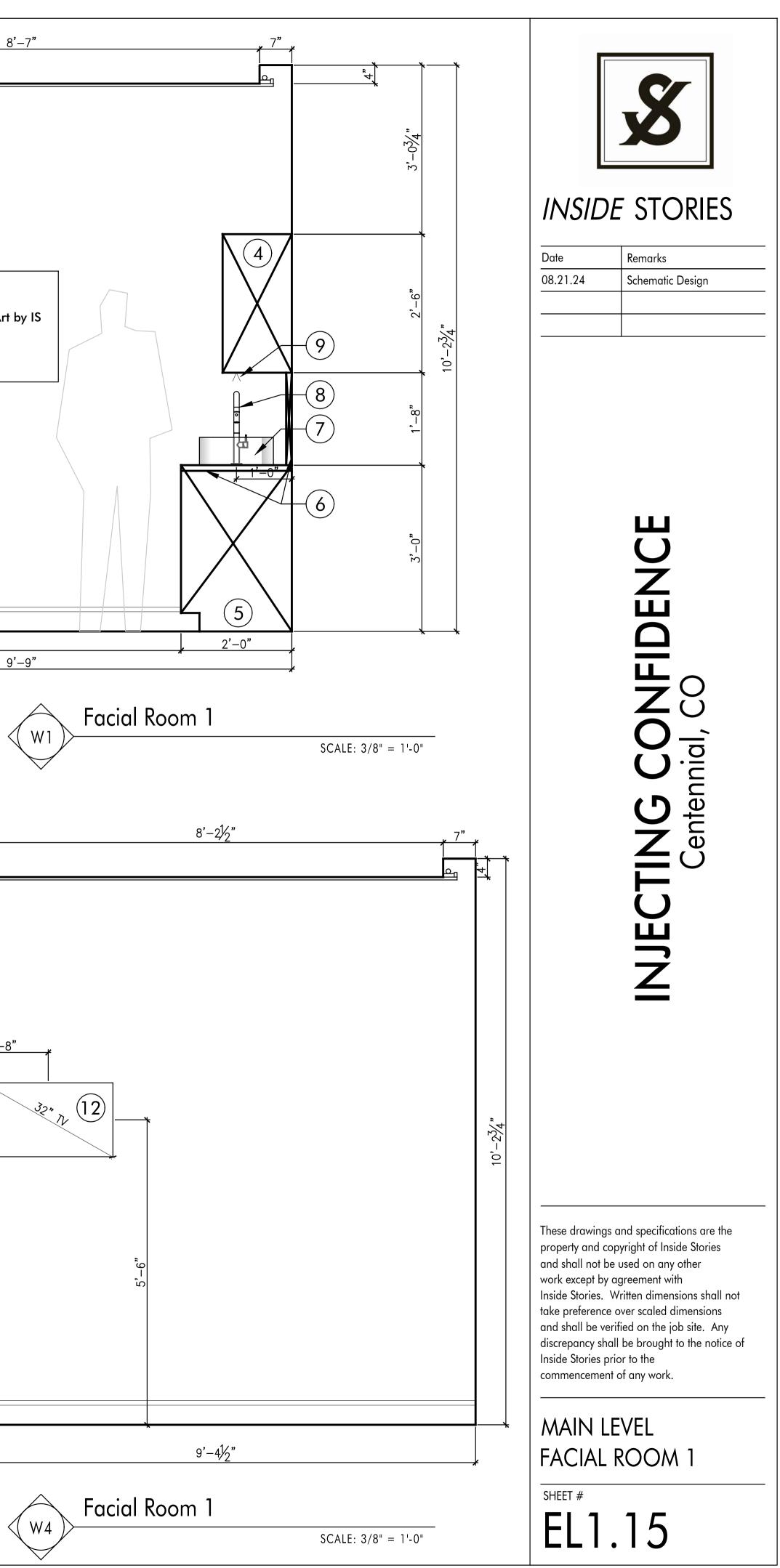


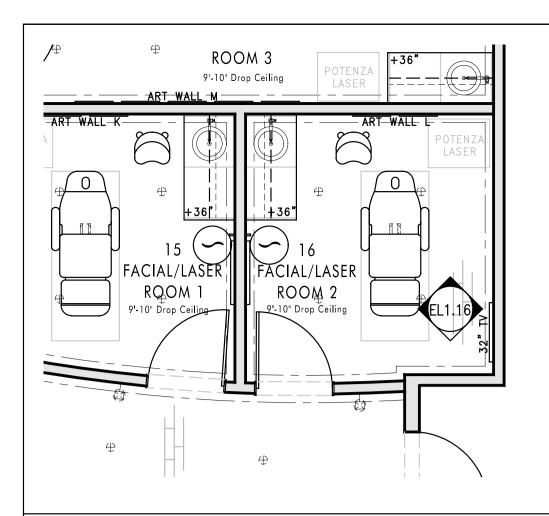
General Notes:

- All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Drop Ceiling with Perimeter Inverted Cove Lighting Per Concept Image
- 4. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 5. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 6. Countertop and Backsplash To Be Installed As Specified in Presentation
- 7. Vessel Sink To Be Installed As Specified in Presentation
- 8. Faucet To Be Installed As Specified in Presentation
- 9. LED Strip Lighting Per Concept Image. By Contractor. Inside Stories To Approve Selection Prior to Installation
- 10. Hook Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 11. Mirror Provided By Inside Stories, Installed By Contractor. Contractor to Install Backing Within Wall For Extra Support
- 12. 32" Television To Be Installed As Specified in Presentation. Provided By Client and Installed By Contractor. Contractor To Ensure Necessary Electrical and Backing











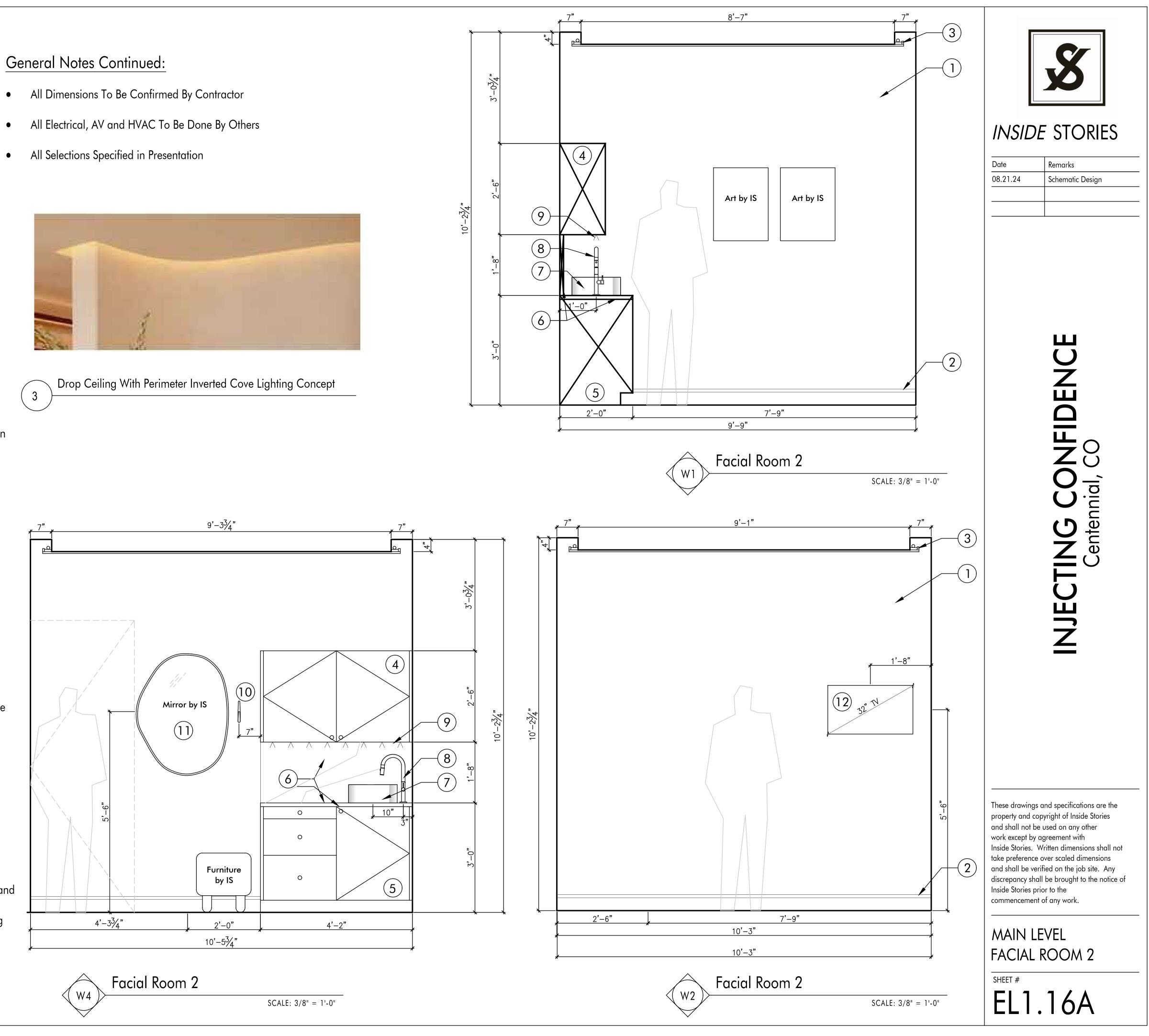
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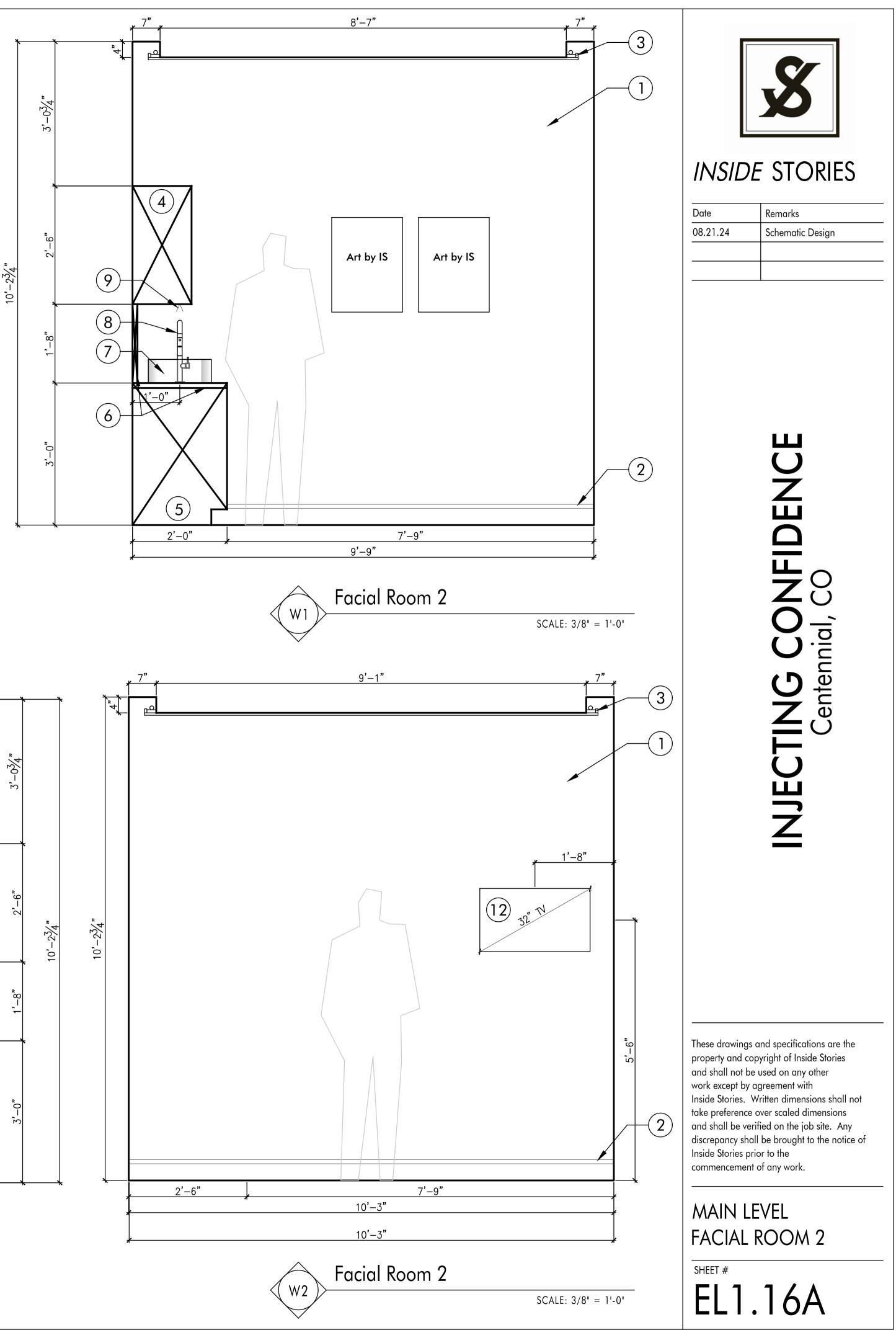
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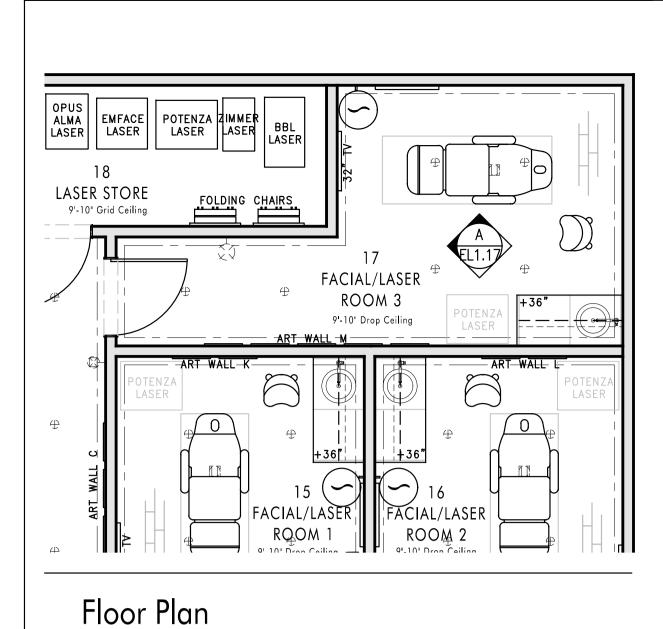


General Notes:

- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Drop Ceiling with Perimeter Inverted Cove Lighting Per Concept Image
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- 5. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
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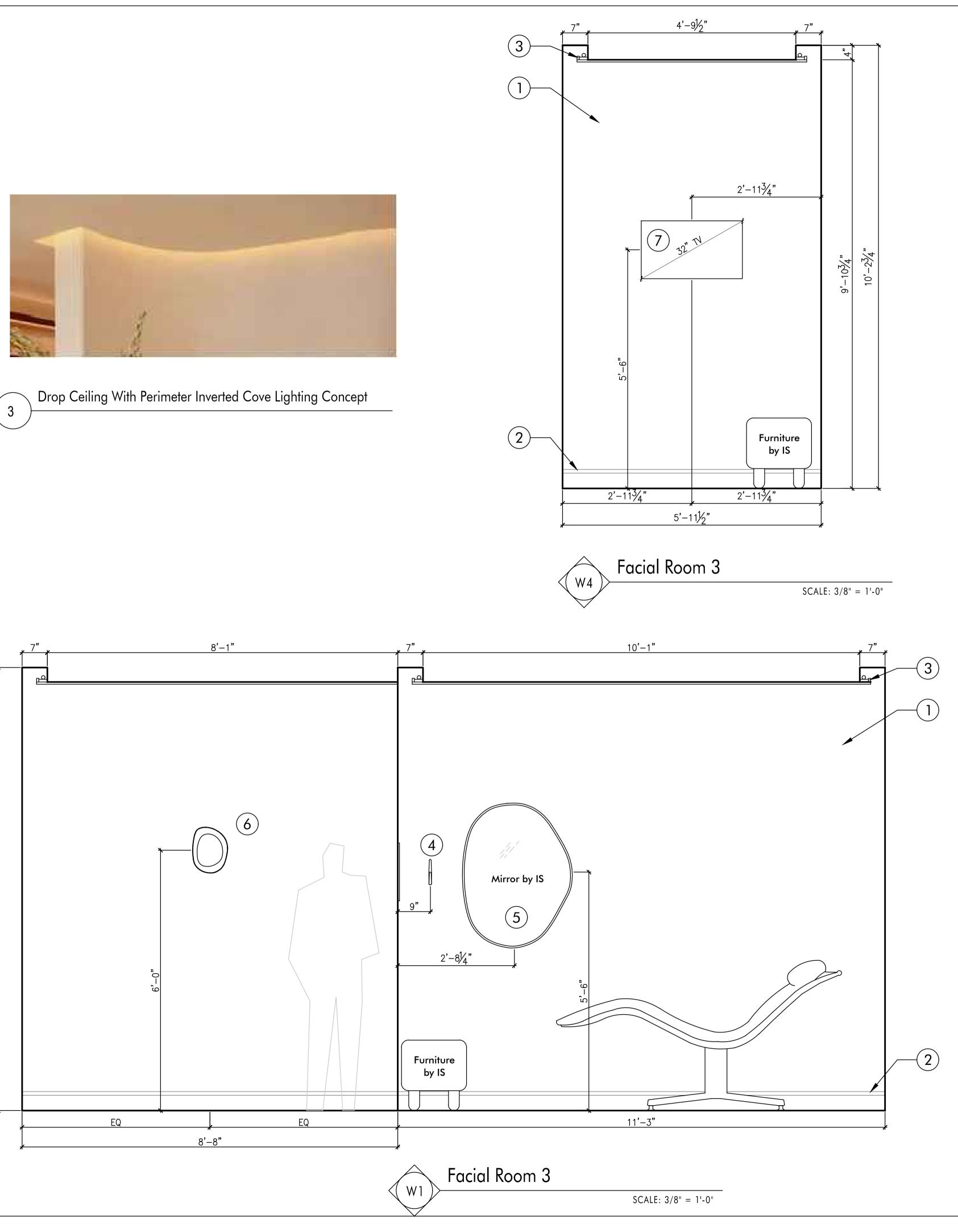




4 W 2 SCALE: 1/8" = 1'-0"

General Notes:

- 1. All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
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- All Electrical, AV and HVAC To Be Done By Others •
- All Selections Specified in Presentation •





Date	Remarks
08.21.24	Schematic Design

CONFIDENCE ial, co NG CO Centennial, INJECTI

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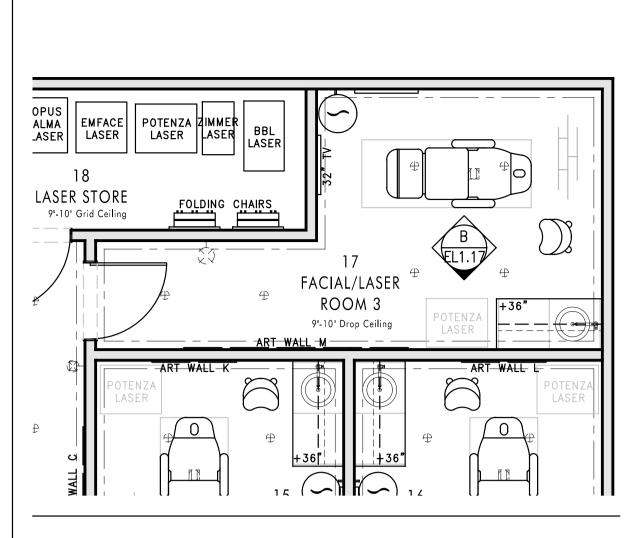
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MAIN LEVEL

SHEET #

FACIAL ROOM 3

EL1.17A

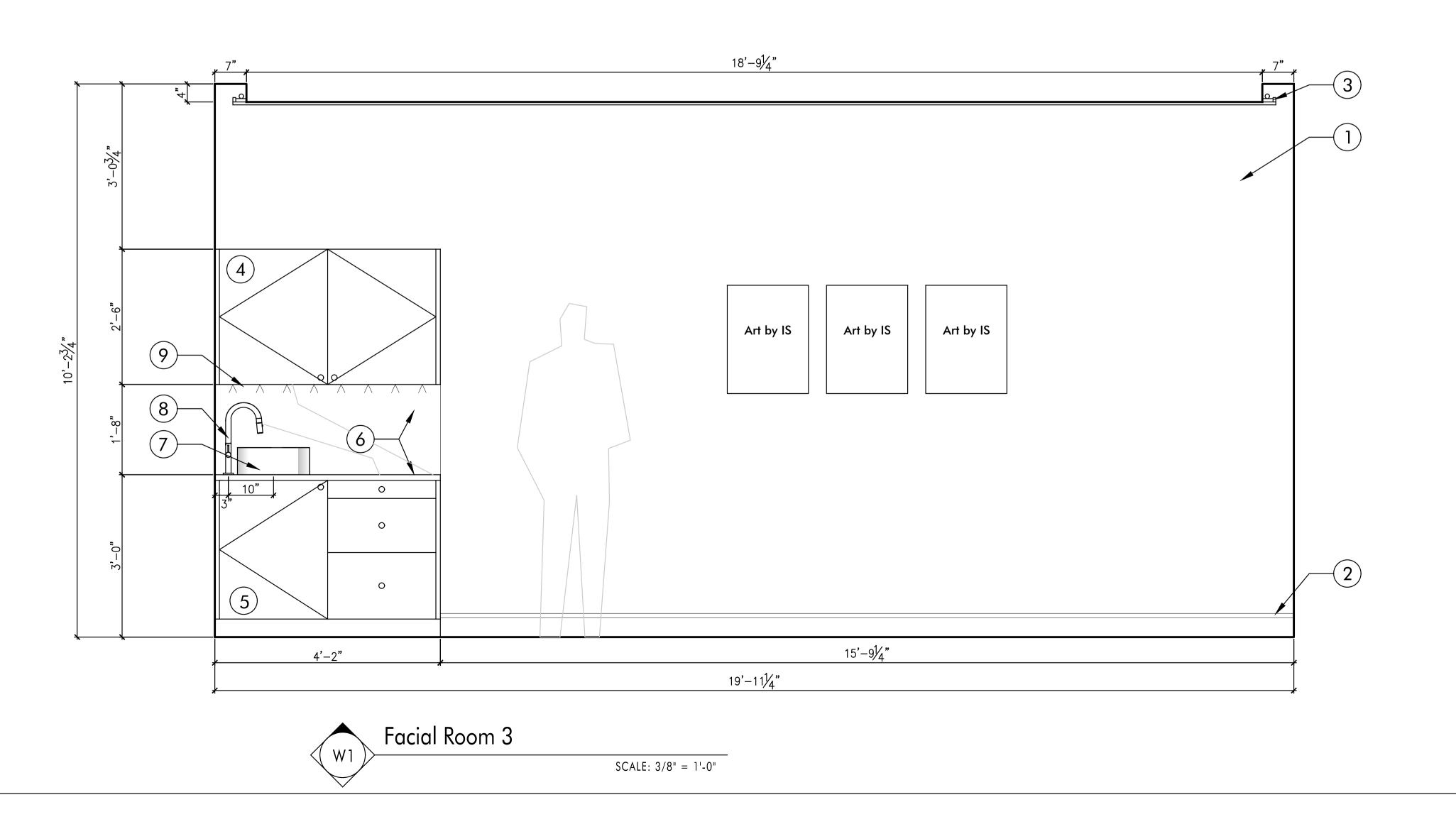


Floor Plan

 $4 \underbrace{0}_{3}^{1} 2$ SCALE: 1/8" = 1'-0"

General Notes:

- All Walls To Be Finished in Roman Clay Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Drop Ceiling with Perimeter Inverted Cove Lighting Per Concept Image
- 4. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 5. Cabinets Provided and Installed By Contractor As Specified in Presentation. Cabinetry Hardware Provided By Inside Stories and Installed By Contractor
- 6. Countertop and Backsplash To Be Installed As Specified in Presentation
- 7. Vessel Sink To Be Installed As Specified in Presentation
- 8. Faucet To Be Installed As Specified in Presentation
- LED Strip Lighting Per Concept Image. By Contractor. Inside Stories To Approve Selection Prior to Installation
- All Dimensions To Be Confirmed By Contractor
- All Electrical, AV and HVAC To Be Done By Others
- All Selections Specified in Presentation





Drop Ceiling With Perimeter Inverted Cove Lighting Concept

3



INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design

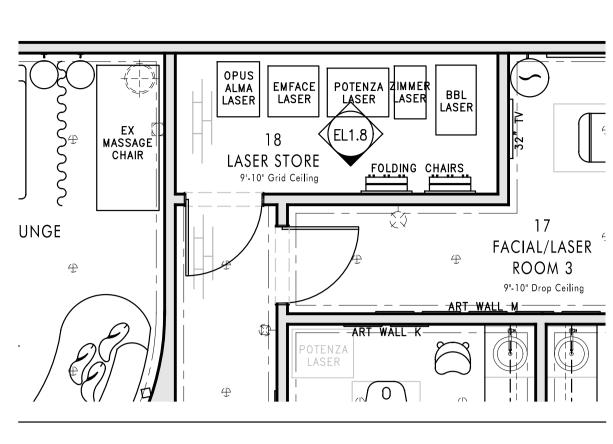


commencement of any work.

MAIN LEVEL

SHEET # **EL1.17B**

FACIAL ROOM 3



Floor Plan

4 W 2 SCALE: 1/8" = 1'-0"

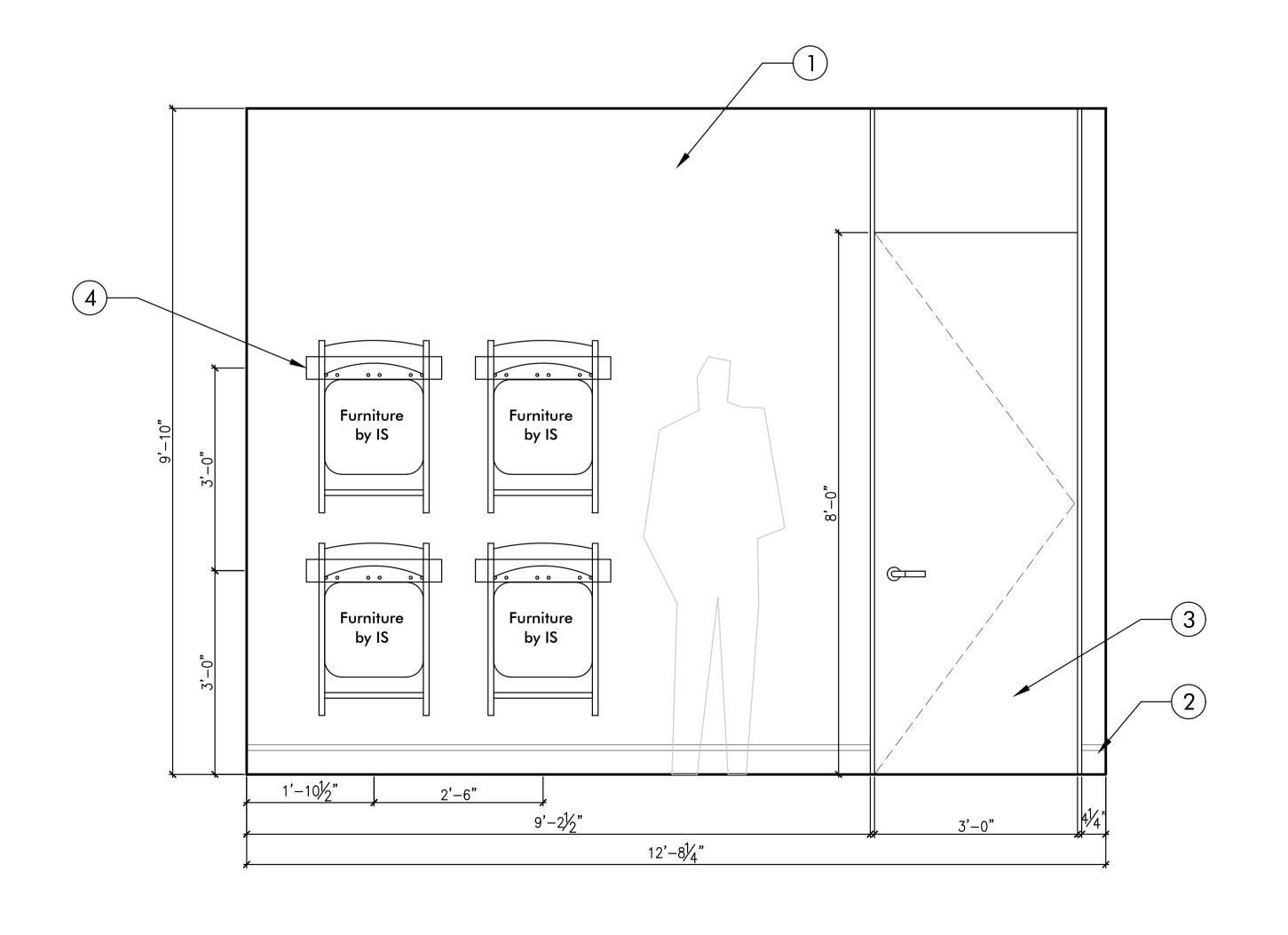
General Notes:

- 1. All Walls To Be Finished in Acrylic Paint Finish Per Paint Specified in Presentation
- 2. Flexible, Paintable Baseboards To Be Painted Per Paint Specified in Presentation
- 3. Wooden Door and Trim Detail Per Concept Image. Door Hardware As Specified in Presentation, Provided and Installed By Contractor
- 4. Chair Hanging Rack Provided By Inside Stories and Installed By Contractor. Contractor to Ensure Necessary Backing
- All Dimensions To Be Confirmed By Contractor ullet
- All Electrical, AV and HVAC To Be Done By Others ●
- All Selections Specified in Presentation ●



3

Wooden Trim and Door Concept





INSIDE STORIES

Date	Remarks
08.21.24	Schematic Design



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MAIN LEVEL LASER STORE ROOM

SHEET # EL1.18

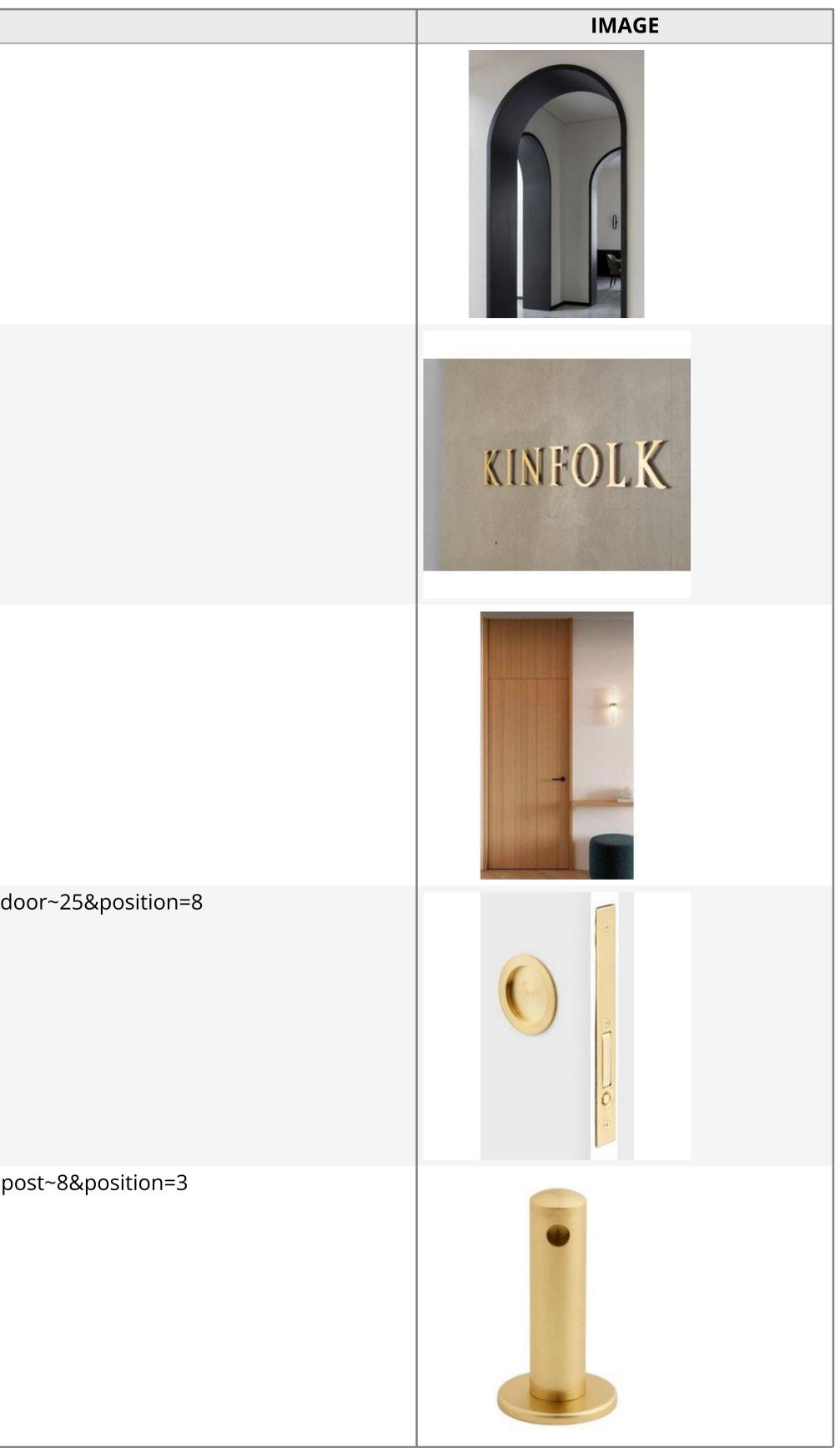
Fixed Finish Pre en ion 08/30/2024

Room	ITEM	SOURCE	NOTES	LINK	IMAGE	
00_Whole Office	Interior Door Hardware	Rejuvenation	Finish: Aged Brass	https://www.rejuvenation.com/products/tumalo-brass-lever-interior-door-set-round-backplate/?pkey=cinterior-door-sets&po sition=34		
00_Whole Office	Floor Doorstop	Rejuvenation	Finish: Burnished Antique	https://www.rejuvenation.com/products/plain-floor-doorstop/?pkey=s~doorstop~344&position=1		
00_Whole Office	Interior Door Style	Contractor's Choice	Finish: To Match Wilsonart - Montana Walnut #7110K-78			
00_Whole Office	Flexible Paintable Baseboard	Contractor's Choice	Finish: Unless Otherwise Noted Paint to Match - Portola Paints, Figueroa, Eggshell Acrylic	https://kofflersales.com/product/paintable-wood-grain-wall-base?itemid=87630&utm_source=google&utm_medium=cpc&ut m_campaign=PMax%3A%20%28ROI%29%20Shopping%20-%20Smart%20-%20High%20AOV%20%28updated%29&utm_id=17 809292308&utm_content=&utm_term=&gad_source=1&g		



Room	ITEM	SOURCE	NOTES	LINK	IMAGE
00_Whole Office	Wall & Drop Ceiling Paint	Portola Paint	Finish: Portola Paint Figueroa Roman Clay	https://portolapaints.com/products/figueroa-roman-clay	
00_Whole Office	Baseboard, Open Ceiling, & Grid Ceiling Paint	Portola Paint	Finish: Portola Paint Figueroa Acrylic Paint	https://portolapaints.com/products/figueroa-roman-clay-color-match	
00_Whole Office	Grid Ceiling Lighting	Contractor's Choice		https://www.lowes.com/pd/Lithonia-Lighting-2-ft-x-4-ft-LL-STACK-LED-Troffer-with-4000-to-6000-Adjustable-Lumens-and-350 0-to-5000K-Switchable-CCT/5003364861	
00_Whole Office	LVT Floor Covering	Cali Floors	Finish: Del Mar Drift Note: Flooring Unless Otherwise Noted	https://www.califloors.com/product-del-mar-drift-waterproof-oak-grain-sandy-click-lock-plank-windansea-high-tide-vinyl-floor ing-7904521200	
00_Whole Office	Window Arch per Concept Image	Contractor's Choice	Finish: Paint to Match Portola Paint Figueroa Roman Clay		

Room	ITEM	SOURCE	NOTES	LINK
00_Whole Office	Archway Trim	Contractor's Choice	Finish: Wilsonart - Montana Walnut #7110K-78	
00_Whole Office	Wayfinding Signage	Contractor's Choice	Finish: Aged Brass - To Match IS Sample Note: Room Name Wayfinding Signage	
00_Whole Office	Interior Door Trim	Contractor's Choice	Finish: Wilsonart - Montana Walnut #7110K-78	
00_Whole Office	Interior Pocket Door - Hardware	Rejuvenation	Finish: Aged Brass	https://www.rejuvenation.com/products/tryon-pocket-door-set/?pkey=s~pocket%20doo
01_Reception	Coffee Bar Shelves Gallery Rail - End Post	Rejuvenation		https://www.rejuvenation.com/products/gallery-rail-modern-1-3-4/?pkey=s~end%20pos



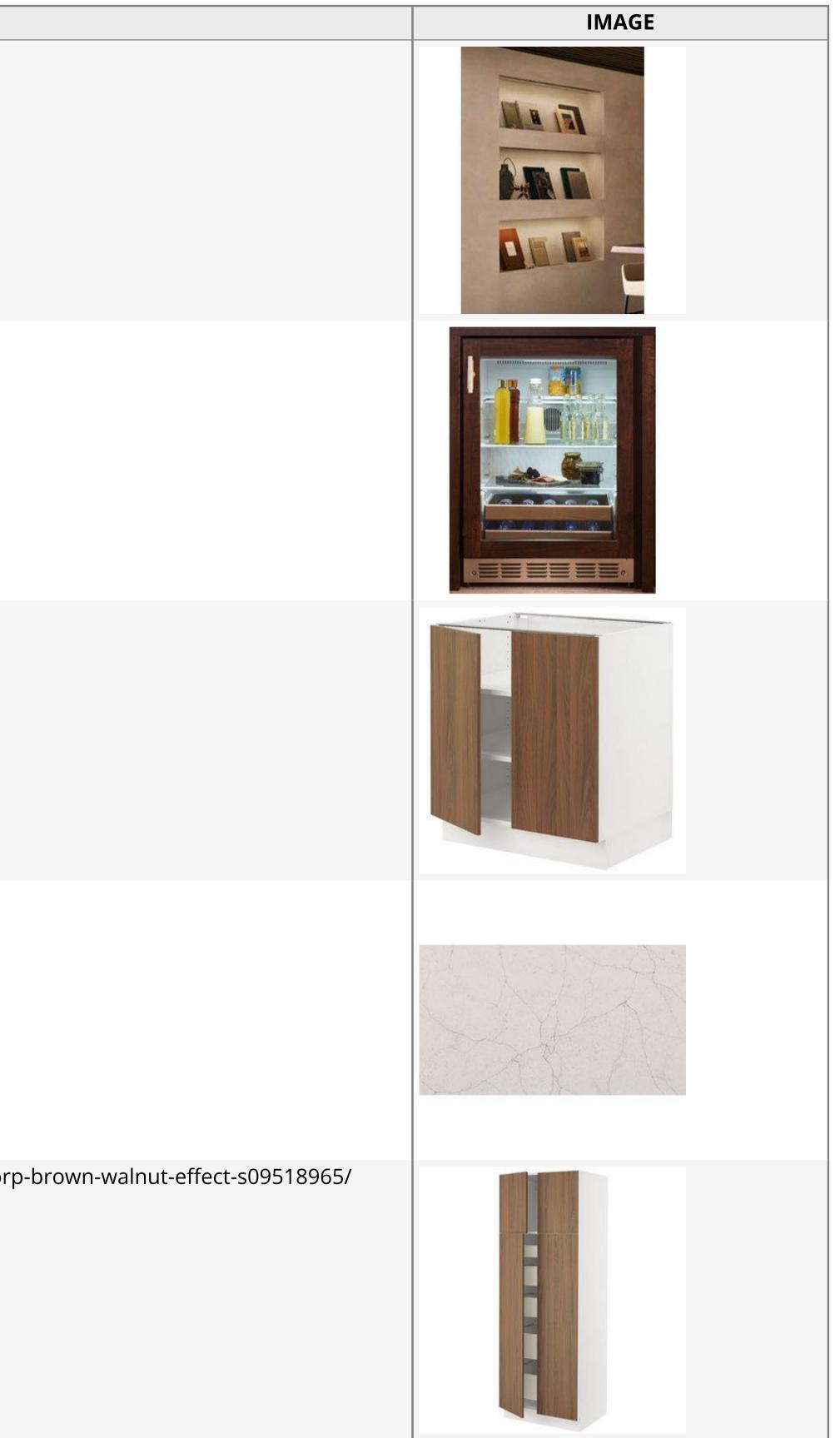
Room	ITEM	SOURCE	NOTES	LINK	IMAGE
01_Reception	Coffee Bar Shelves Gallery Rail - Thru Post	Rejuvenation		https://www.rejuvenation.com/products/gallery-rail-modern-1-3-4/?pkey=s~end%20post~8&position=3	
01_Reception	Coffee Bar Shelves Gallery Rail - Rod	Rejuvenation		https://www.rejuvenation.com/products/gallery-rail-modern-1-3-4/?pkey=s~end%20post~8&position=3	
01_Reception	Suspended Linear LED Lighting per Concept Image	Contractor's Choice	Dims: Lighting Specialist to Determine Finish: White		
01_Reception	Bespoke Reception Desk - Wood Finish	Wilsonart	Refer to Elevation for Details	https://www.wilsonart.com/montana-walnut-7110-aca7125119bd7de34f776b40ea303860	
01_Reception	Bespoke Reception Desk - Marble Finish	The Stone Collection	Refer to Elevation for Details		

2		COUD 67	
Room	ITEM	SOURCE	NOTES
01_Reception	Coffee Bar - Cabinetry	Contractor's Choice	Finish: To Match Wilsonart - Montana Walnut #7110K-78 Refer to Elevation for Details
01_Reception	Built-In Retail Shelving per Concept Image	Contractor's Choice	Finish: To Match Portola Paint Figueroa Roman Clay
01_Reception	Entry Glass Door Film per Concept Image	Contractor's Choice	Finish: Ombre Clear to White - To be Approved by IS Prior to Fabrication
01_Reception	3" Recessed Can Lighting	Contractor's Choice	Finish: White Item to be determined by Lighting Specialist
01_Reception	Signage per Concept Image	Contractor's Choice	Finish: Aged Brass to Match IS Sample Note: Signage to Read INJECTING CONFIDENCE in Branded Font

NOTES	LINK
Finish: To Match Wilsonart - Montana Walnut #7110K-78 Refer to Elevation for Details	
Finish: To Match Portola Paint - Figueroa Roman Clay	
Finish: Ombre Clear to White - To be Approved by IS Prior to Fabrication	
Finish: White Item to be determined by Lighting Specialist	https://www.lightology.com/index.php?module=prod_detail∏_id=969989&option D31W&gad_source=1&gclid=CjwKCAjwuMC2BhA7EiwAmJKRrOW45ZmlIBxQns56juL4c RoC3BcQAvD_BwE
Finish: Aged Brass to Match IS Sample Note: Signage to Read INJECTING CONFIDENCE in Branded Font	

	IMAGE
n_id=970001&utm_content=ENCL3RLA-W ovCWam8qBHUifUoE4EQ96l8lY2cjwhEvs	
	SKIN AVENUE

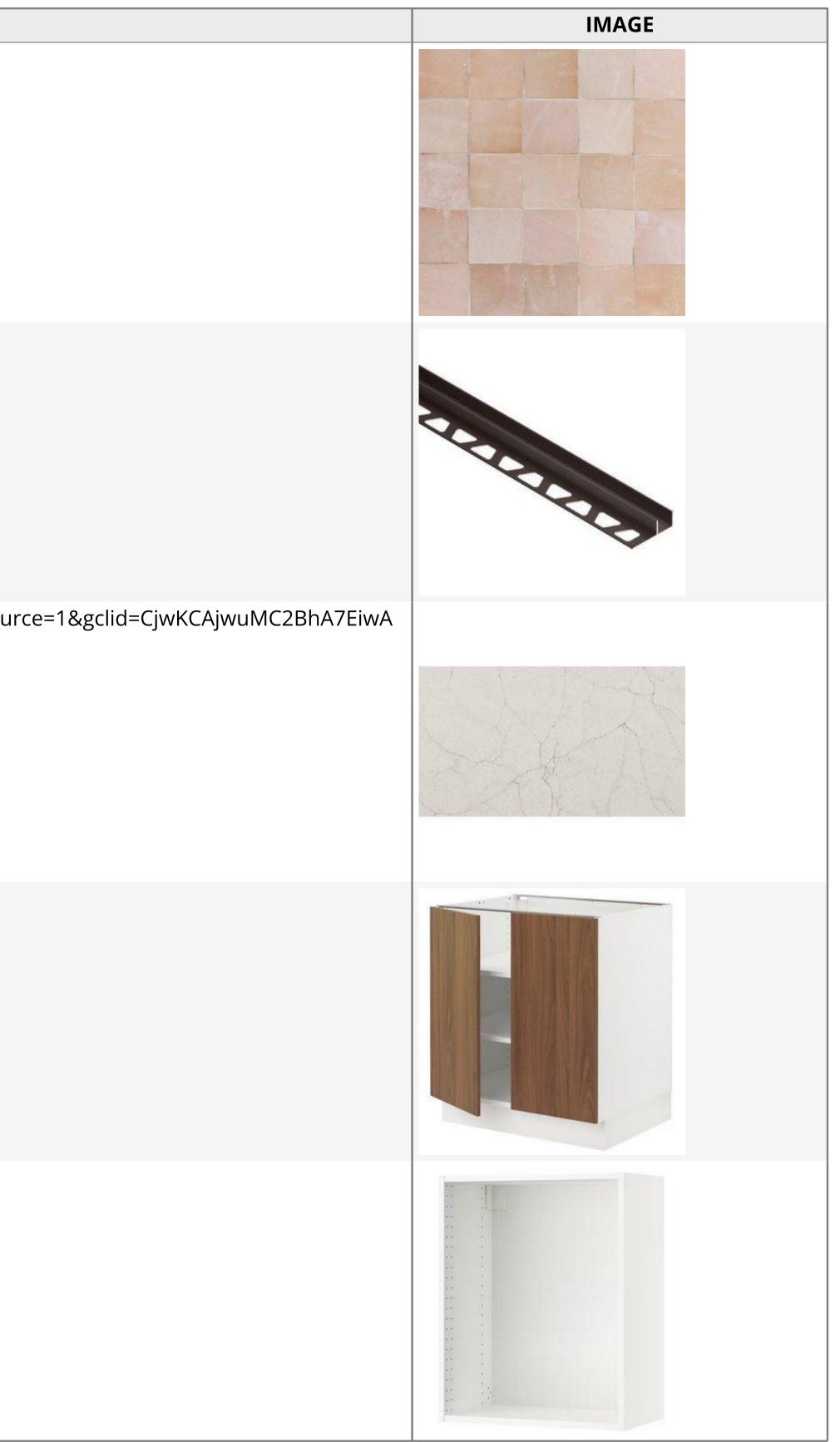
Room	ITEM	SOURCE	NOTES	LINK
01_Reception	Concealed LED Strip Lighting per Concept Image	Contractor's Choice	Color Temperature: 2700K	
01_Reception	Under Counter Refrigerator	Appliance Factory Fine Lines	Refer to Appliance Quote Contact: Adam Feldman adam.feldman@appliancefactor yfinelines.com	https://appliances.monogram.com/us/specs/ZDBI240HII
02_Inventory	Cabinetry	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/search/?q=tistorp
02_Inventory	Countertop	MSI	Finish: MSI - Premium Natural Quartz, Calacatta Valentin	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/
02_Inventory	Lockers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/p/sektion-high-cabinet-with-shelves-4-doors-white-tistorp



Room	ITEM	SOURCE	NOTES	LINK	IMAGE
03_Hallway	Drop Ceiling with Perimeter Inverted Cove Lighting per Concept Image	Contractor's Choice	Temperature: 2700K		
03_Hallway	Built-In Niche per Concept Image	Contractor's Choice	Finish: Drywall Wrapped Niche, Paint to Match Portola Paint Figueroa Roman Clay		
04_ADA Bathroom	Toilet Paper Holder	California Faucets	Finish: Oil-Rubbed Bronze	https://www.calfaucets.com/bathroom/accessories/toilet-paper-holders/two-post-toilet-paper-holder-65-tp	
04_ADA Bathroom	ADA Grab Bar - 18"	California Faucets	Finish: Oil-Rubbed Bronze Style: 64 Series	https://www.calfaucets.com/bathroom/accessories-trim/grab-bars/18-decorative-grab-bar-9418d-xx	
04_ADA Bathroom	ADA Grab Bar - 36"	California Faucets	Finish: Oil-Rubbed Bronze Style: To match 18" Grab Bar (64 Series)		

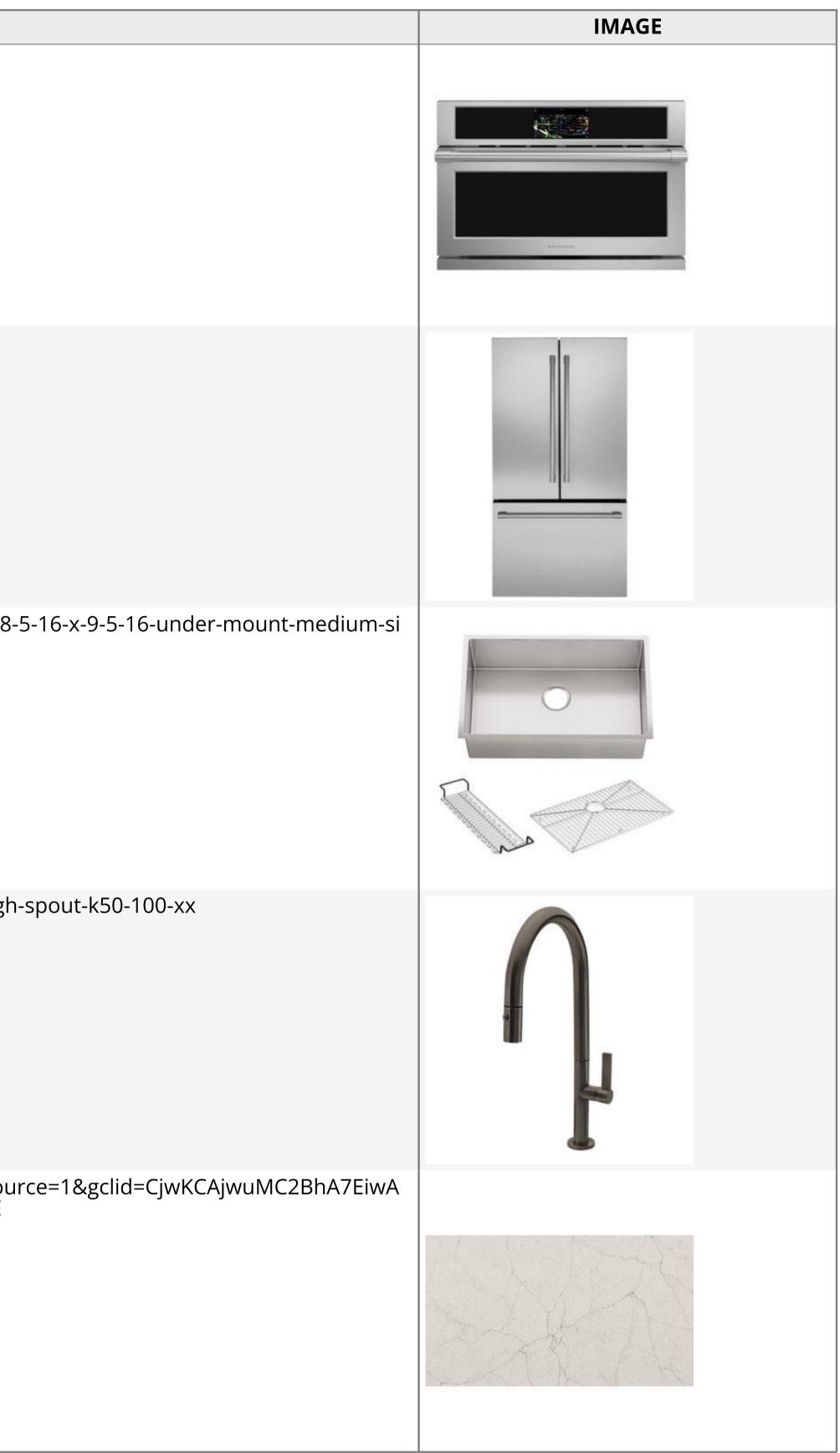
Room	ITEM	SOURCE	NOTES	LINK	IMAGE
04_ADA Bathroom	ADA Grab Bar - 48"	California Faucets	Finish: Oil-Rubbed Bronze Style: To match 18" Grab Bar (64 Series)		
04_ADA Bathroom	ADA Toilet	Kohler	Finish: White	https://www.kohler.com/en/products/toilets/shop-toilets/reach-comfort-height-one-piece-elongated-1-28-gpf-toilet-w-skirted -trapway-and-left-hand-trip-lever-78080?skuId=78080-0	
04_ADA Bathroom	ADA Faucet	California Faucets	Finish: Oil Rubbed Bronze	https://www.calfaucets.com/bathroom/faucets/single-hole/single-hole-lavatory-faucet-7509-1	
04_ADA Bathroom	ADA P-Trap	California Faucets	Finish: Oil Rubbed Bronze	https://www.calfaucets.com/bathroom/accessories-trim/lavatory-drains-traps/1-1-4-contemporary-brass-p-trap-9072	
04_ADA Bathroom	Floor Tile	NASCO	Finish: Rosa Perlino Honed	https://nascostonetile.com/products/agglo-rosa-perlino/	

Room	ITEM	SOURCE	NOTES	LINK
04_ADA Bathroom	Wainscot Wall Tile	Artistic Tile	Finish: Rose	https://www.artistictile.com/products/zellige-tczellige?variant=40153189908568
04_ADA Bathroom	Wall Schluter	Contractor's Choice	Finish: Brushed Antique Bronze Style: Shadow Gap Decorative Profile	
04_ADA Bathroom	Bespoke Wall Mounted Sink	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_sourc mJKRrEWXeJiENf2DvlbKlvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-IQAvD_BwE
05_Product Pull Room	Cabinetry - Lowers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/search/?q=tistorp
05_Product Pull Room	Cabinetry - Uppers	IKEA	Finish: Ikea - Skelton Upper Cabinet Boxes ONLY Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/cat/wall-cabinets-23608/



Room	ITEM	SOURCE	NOTES	LINK	IMAGE
05_Product Pull Room	Cabinetry - Upper Doors, Side Panels & Filler		Finish: Semihandmade - DIY Door Style: Slab Notes: Paint to Match Portola Paint Figueroa Eggshell Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.semihandmade.com/products/diy-slab-door-for-sektion-grouped?_pos=3&_fid=d57ab432e&_ss=c	
05_Product Pull Room	Refrigerator / Freezer	Appliance Factory Fine Lines	Refer to Appliance Quote Contact: Adam Feldman adam.feldman@appliancefactor yfinelines.com		
05_Product Pull Room	Whiteboard	Contractor's Choice	Finish: Wilsonart - Markerboard White #D514	https://www.wilsonart.com/markerboard-white-d514	
05_Product Pull Room	Countertop	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_source=1&gclid=CjwKCAjwuMC2BhA7EiwA mJKRrEWXeJiENf2DvlbKlvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-IQAvD_BwE	
06_Shared Office	Whiteboard	Contractor's Choice	Finish: Wilsonart - Markerboard White #D514	https://www.wilsonart.com/markerboard-white-d514	
07_Team Break Room	Stacking Ventless Washer / Dryer	Appliance Factory Fine Lines	Refer to Appliance Quote Contact: Adam Feldman adam.feldman@appliancefactor yfinelines.com		
07_Team Break Room	Built-In Bottle Filler	Contractor's Choice	Finish: Stainless	https://www.halseytaylor.com/products/details/HTHB8-WF	

Room	ITEM	SOURCE	NOTES	LINK
07_Team Break Room	Microwave Oven	Appliance Factory Fine Lines	Refer to Appliance Quote Contact: Adam Feldman adam.feldman@appliancefactor yfinelines.com	https://appliances.monogram.com/us/specs/ZSB9232NSS
07_Team Break Room	Refrigerator / Freezer	Appliance Factory Fine Lines	Refer to Appliance Quote Contact: Adam Feldman adam.feldman@appliancefactor yfinelines.com	https://appliances.monogram.com/us/specs/ZWE23NSTSS
07_Team Break Room	Undermount Sink	Kohler	Finish: Stainless	https://www.kohler.com/en/products/kitchen-sinks/shop-kitchen-sinks/strive-29-x-18-5 ngle-bowl-kitchen-sink-with-basin-rack-5409?skuId=5409-NA
07_Team Break Room	Faucet	California Faucets	Finish: Oil-Rubbed Bronze Handle: FB Series	https://www.calfaucets.com/kitchen/faucets/pull-down/pull-down-kitchen-faucet-high-s
07_Team Break Room	Countertop	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_sourc mJKRrEWXeJiENf2DvlbKlvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-lQAvD_BwE



Room	ITEM	SOURCE	NOTES	LINK	IMAGE
07_Team Break Room	Cabinetry - Boxes	IKEA	Finish: Ikea - Skelton Upper Cabinet Boxes ONLY Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/cat/wall-cabinets-23608/	
07_Team Break Room	Cabinetry - Doors	Semi Handmade	Finish: Semihandmade - DIY Door Style: Quarterline Notes: Paint to Match Portola Paint Meritage Eggshell Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.semihandmade.com/products/diy-quarterline-door-for-sektion-grouped?_pos=2&_fid=ffefa96c1&_ss=c	
07_Team Break Room	Lockers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/p/sektion-high-cabinet-with-shelves-4-doors-white-tistorp-brown-walnut-effect-s09518965/	
07_Team Break Room	Bespoke Pocket Doors with Inset Whiteboard	Contractor's Choice	Finish: Wilsonart - Montana Walnut #7110K-78 Wilsonart - Markerboard White #D514		
07_Team Break Room	Built-In Bench Base per Concept Image	Contractor's Choice	Finish: Wilsonart - Montana Walnut #7110K-78	https://www.wilsonart.com/montana-walnut-7110-aca7125119bd7de34f776b40ea303860	

Room	ITEM	SOURCE	NOTES	LINK	IMAGE
08_Pretreatment Lounge	Wall & Drop Ceiling Paint	Portola Paint	Finish: Portola Paint Costes Roman Clay	https://portolapaints.com/products/costes-roman-clay	
08_Pretreatment Lounge	Drop Ceiling with Perimeter Inverted Cove Lighting per Concept Image	Contractor's Choice	Temperature: 2700K		
08_Pretreatment Lounge	Flexible Paintable Baseboard	Contractor's Choice	Finish: Paint to Match - Portola Paints, Costes, Eggshell Acrylic	https://kofflersales.com/product/paintable-wood-grain-wall-base?itemid=87630&utm_source=google&utm_medium=cpc&ut m_campaign=PMax%3A%20%28ROI%29%20Shopping%20-%20Smart%20-%20High%20AOV%20%28updated%29&utm_id=17 809292308&utm_content=&utm_term=&gad_source=1&g	
09_Injection Room 1	Cabinetry - Lowers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/search/?q=tistorp	
09_Injection Room 1	Cabinetry - Uppers	IKEA	Finish: Ikea - Skelton Upper Cabinet Boxes ONLY Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/cat/wall-cabinets-23608/	

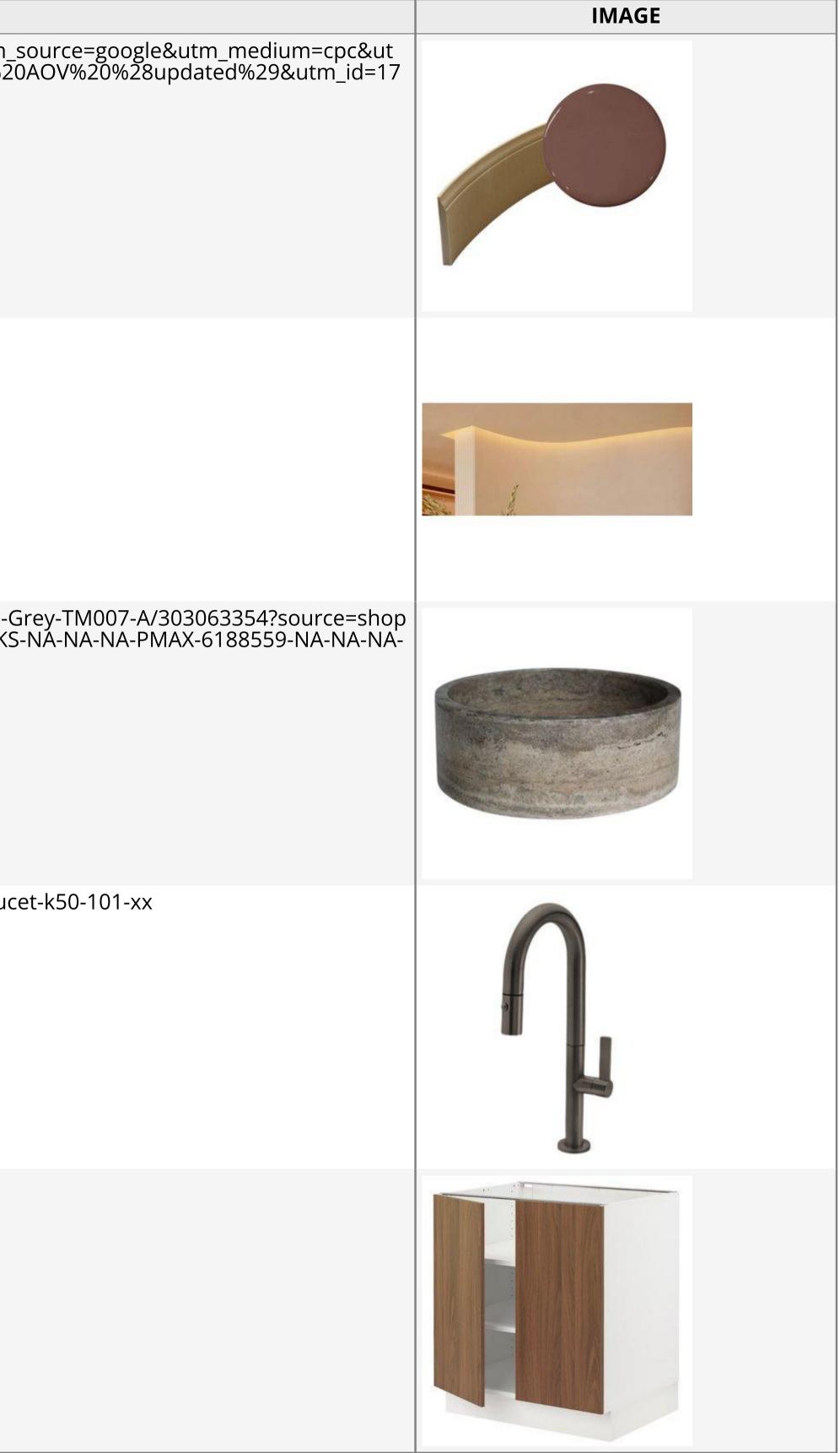
Room	ITEM	SOURCE	NOTES	LINK	IMAGE
09_Injection Room 1	Cabinetry - Upper Doors, Side Panels & Filler	Semi Handmade	Finish: Semihandmade - DIY Door Style: Slab Notes: Paint to Match Portola Paint Figueroa Eggshell Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.semihandmade.com/products/diy-slab-door-for-sektion-grouped?_pos=3&_fid=d57ab432e&_ss=c	
09_Injection Room 1	Countertop	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_source=1&gclid=CjwKCAjwuMC2BhA7EiwA mJKRrEWXeJiENf2DvlbKlvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-IQAvD_BwE	
10_Injection Room 2	Cabinetry - Lowers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/search/?q=tistorp	
10_Injection Room 2	Cabinetry - Uppers	IKEA	Finish: Ikea - Skelton Upper Cabinet Boxes ONLY Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/cat/wall-cabinets-23608/	
10_Injection Room 2	Cabinetry - Upper Doors, Side Panels & Filler	Semi Handmade	Finish: Semihandmade - DIY Door Style: Slab Notes: Paint to Match Portola Paint Figueroa Eggshell Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.semihandmade.com/products/diy-slab-door-for-sektion-grouped?_pos=3&_fid=d57ab432e&_ss=c	

Room	ITEM	SOURCE	NOTES	LINK	IMAGE
10_Injection Room 2	Countertop	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_source=1&gclid=CjwKCAjwuMC2BhA7EiwA mJKRrEWXeJiENf2DvlbKlvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-IQAvD_BwE	
11_Injection Room 3	Cabinetry - Lowers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/search/?q=tistorp	
11_Injection Room 3	Cabinetry - Uppers	IKEA	Finish: Ikea - Skelton Upper Cabinet Boxes ONLY Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/cat/wall-cabinets-23608/	
11_Injection Room 3	Cabinetry - Upper Doors, Side Panels & Filler	Semi Handmade	Finish: Semihandmade - DIY Door Style: Slab Notes: Paint to Match Portola Paint Figueroa Eggshell Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.semihandmade.com/products/diy-slab-door-for-sektion-grouped?_pos=3&_fid=d57ab432e&_ss=c	
11_Injection Room 3	Countertop	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_source=1&gclid=CjwKCAjwuMC2BhA7EiwA mJKRrEWXeJiENf2DvlbKlvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-IQAvD_BwE	

Room	ITEM	SOURCE	NOTES	LINK	IMAGE
12_Photobooth	Backlit Archway per Concept Image	Contractor's Choice	Temperature: 2700K		
14_Consultation Room	Cabinetry - Lowers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/search/?q=tistorp	
14_Consultation Room	Cabinetry - Uppers	IKEA	Finish: Ikea - Skelton Upper Cabinet Boxes ONLY Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/cat/wall-cabinets-23608/	
14_Consultation Room	Cabinetry - Upper Doors, Side Panels & Filler	Semi Handmade	Finish: Semihandmade - DIY Door Style: Slab Notes: Paint to Match Portola Paint Figueroa Eggshell Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.semihandmade.com/products/diy-slab-door-for-sektion-grouped?_pos=3&_fid=d57ab432e&_ss=c	
14_Consultation Room	Countertop	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_source=1&gclid=CjwKCAjwuMC2BhA7EiwA mJKRrEWXeJiENf2DvlbKlvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-IQAvD_BwE	

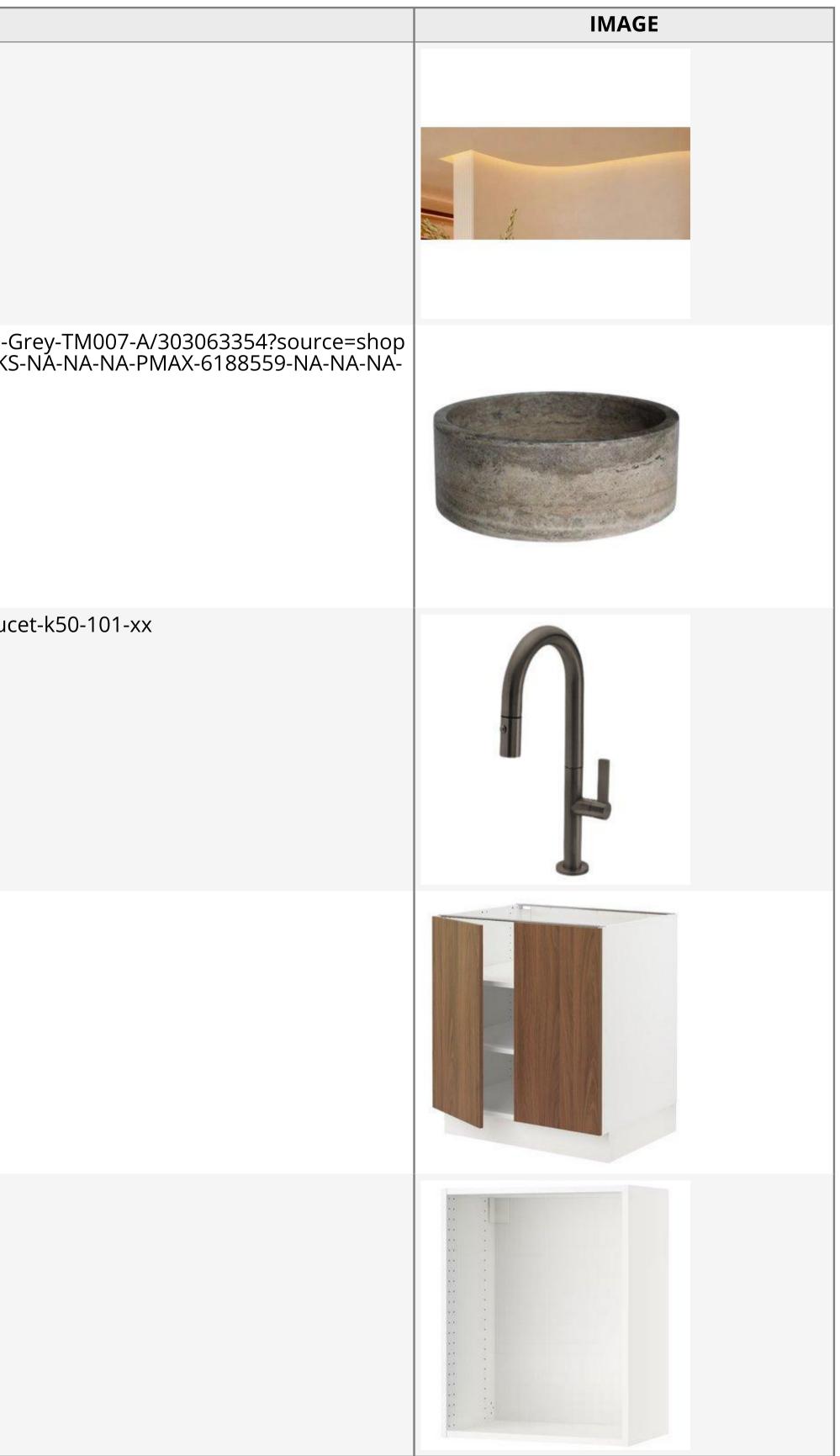
Room	ITEM	SOURCE	NOTES	LINK	IMAGE
15_Facial Laser Room 1	Cabinetry - Lowers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/search/?q=tistorp	
15_Facial Laser Room 1	Cabinetry - Uppers	IKEA	Finish: Ikea - Skelton Upper Cabinet Boxes ONLY Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/cat/wall-cabinets-23608/	
15_Facial Laser Room 1	Cabinetry - Upper Doors, Side Panels & Filler	Semi Handmade	Finish: Semihandmade - DIY Door Style: Slab Notes: Paint to Match Portola Paint Meritage Eggshell Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.semihandmade.com/products/diy-slab-door-for-sektion-grouped?_pos=3&_fid=d57ab432e&_ss=c	
15_Facial Laser Room 1	Countertop	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_source=1&gclid=CjwKCAjwuMC2BhA7EiwA mJKRrEWXeJiENf2DvlbKlvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-IQAvD_BwE	
15_Facial Laser Room 1	Wall & Drop Ceiling Paint	Portola Paint	Finish: Portola Paint Meritage Roman Clay	https://portolapaints.com/products/meritage-roman-clay	

Room	ITEM	SOURCE	NOTES	LINK
15_Facial Laser Room 1	Flexible Paintable Baseboard	Contractor's Choice	Finish: Paint to Match - Portola Paints, Meritage, Eggshell Acrylic	https://kofflersales.com/product/paintable-wood-grain-wall-base?itemid=87630&utm_so m_campaign=PMax%3A%20%28ROI%29%20Shopping%20-%20Smart%20-%20High%20/ 809292308&utm_content=&utm_term=&gad_source=1&g
15_Facial Laser Room 1	Drop Ceiling with Perimeter Inverted Cove Lighting per Concept Image	Contractor's Choice	Temperature: 2700K	
15_Facial Laser Room 1	Vessel Sink	Home Depot	Finish: Grey with Earth Tones	https://www.homedepot.com/pep/TashMart-Cylindrical-Natural-Stone-Vessel-Sink-in-Gr pingads&locale=en-US&pla&mtc=SHOPPING-BF-CDP-GGL-D29K-029_021_KITCH_SINKS-N NBR-NA-NA_BHU24&cm_mmc=SHOPPING-B
15_Facial Laser Room 1	Faucet	California Faucets	Finish: Oil-Rubbed Bronze Handle: FB Series	https://www.calfaucets.com/kitchen/faucets/prep-bar/poetto-pull-down-prep-bar-fauce
16_Facial Laser Room 2	Cabinetry - Lowers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/search/?q=tistorp



Room	ITEM	SOURCE	NOTES	LINK	IMAGE
16_Facial Laser Room 2	Cabinetry - Uppers	IKEA	Finish: Ikea - Skelton Upper Cabinet Boxes ONLY Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/cat/wall-cabinets-23608/	
16_Facial Laser Room 2	Cabinetry - Upper Doors, Side Panels & Filler	Semi Handmade	Finish: Semihandmade - DIY Door Style: Slab Notes: Paint to Match Portola Paint Meritage Eggshell Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.semihandmade.com/products/diy-slab-door-for-sektion-grouped?_pos=3&_fid=d57ab432e&_ss=c	
16_Facial Laser Room 2	Countertop	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_source=1&gclid=CjwKCAjwuMC2BhA7EiwA mJKRrEWXeJiENf2DvlbKlvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-IQAvD_BwE	
16_Facial Laser Room 2	Wall & Drop Ceiling Paint	Portola Paint	Finish: Portola Paint Meritage Roman Clay	https://portolapaints.com/products/meritage-roman-clay	
16_Facial Laser Room 2	Flexible Paintable Baseboard	Contractor's Choice	Finish: Paint to Match - Portola Paints, Meritage, Eggshell Acrylic	https://kofflersales.com/product/paintable-wood-grain-wall-base?itemid=87630&utm_source=google&utm_medium=cpc&ut m_campaign=PMax%3A%20%28ROI%29%20Shopping%20-%20Smart%20-%20High%20AOV%20%28updated%29&utm_id=17 809292308&utm_content=&utm_term=&gad_source=1&g	

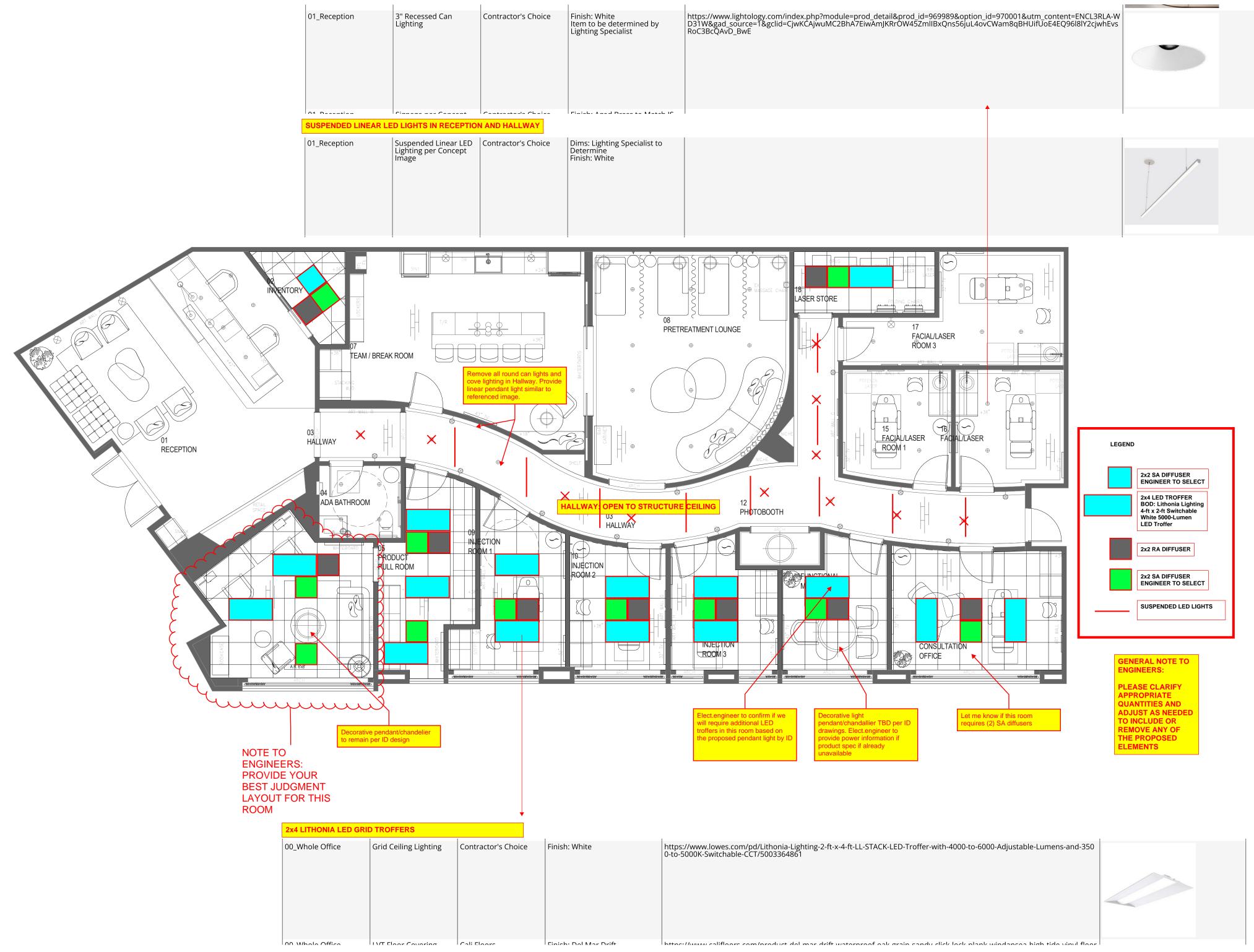
Room	ITEM	SOURCE	NOTES	LINK
16_Facial Laser Room 2	Drop Ceiling with Perimeter Inverted Cove Lighting per Concept Image	Contractor's Choice	Temperature: 2700K	
16_Facial Laser Room 2	Vessel Sink	Home Depot	Finish: Grey with Earth Tones	https://www.homedepot.com/pep/TashMart-Cylindrical-Natural-Stone-Vessel-Sink-in-Gr pingads&locale=en-US&pla&mtc=SHOPPING-BF-CDP-GGL-D29K-029_021_KITCH_SINKS- NBR-NA-NA_NA_BHU24&cm_mmc=SHOPPING-B
16_Facial Laser Room 2	Faucet	California Faucets	Finish: Oil-Rubbed Bronze Handle: FB Series	https://www.calfaucets.com/kitchen/faucets/prep-bar/poetto-pull-down-prep-bar-fauce
17_Facial Laser Room 3	Cabinetry - Lowers	IKEA	Finish: Ikea - Tistorp Note: Refer to Quote # 462476182 Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.ikea.com/us/en/search/?q=tistorp
17_Facial Laser Room 3	Cabinetry - Uppers	IKEA	Finish: Ikea - Skelton Upper Cabinet Boxes ONLY Note: Refer to Quote # 462476182	https://www.ikea.com/us/en/cat/wall-cabinets-23608/



Room	ITEM	SOURCE	NOTES	LINK	IMAGE
17_Facial Laser Room 3	Cabinetry - Upper Doors, Side Panels & Filler	Semi Handmade	Finish: Semihandmade - DIY Door Style: Slab Notes: Paint to Match Portola Paint Meritage Eggshell Note: Cabinet Hardware Provided by IS, Installed by Contractor	https://www.semihandmade.com/products/diy-slab-door-for-sektion-grouped?_pos=3&_fid=d57ab432e&_ss=c	
17_Facial Laser Room 3	Countertop	MSI	MSI - Premium Natural Quartz, Calacatta Valentin Finish: Polished	https://www.msisurfaces.com/quartz-countertops/calacatta-valentin-quartz/?gad_source=1&gclid=CjwKCAjwuMC2BhA7EiwA mJKRrEWXeJiENf2DvlbKIvzk_dljA_UqpKVnRUTNQFtU2JpUqRcKnftOihoC1-IQAvD_BwE	
17_Facial Laser Room 3	Wall & Drop Ceiling Paint	Portola Paint	Finish: Portola Paint Meritage Roman Clay	https://portolapaints.com/products/meritage-roman-clay	
17_Facial Laser Room 3	Flexible Paintable Baseboard	Contractor's Choice	Finish: Paint to Match - Portola Paints, Meritage, Eggshell Acrylic	https://kofflersales.com/product/paintable-wood-grain-wall-base?itemid=87630&utm_source=google&utm_medium=cpc&ut m_campaign=PMax%3A%20%28ROI%29%20Shopping%20-%20Smart%20-%20High%20AOV%20%28updated%29&utm_id=17 809292308&utm_content=&utm_term=&gad_source=1&g	
17_Facial Laser Room 3	Drop Ceiling with Perimeter Inverted Cove Lighting per Concept Image	Contractor's Choice	Temperature: 2700K		

Room	ITEM	SOURCE	NOTES	LINK	IMAGE	
17_Facial Laser Room 3	Vessel Sink	Home Depot	Finish: Grey with Earth Tones	https://www.homedepot.com/pep/TashMart-Cylindrical-Natural-Stone-Vessel-Sink-in-Grey-TM007-A/303063354?source=shop pingads&locale=en-US&pla&mtc=SHOPPING-BF-CDP-GGL-D29K-029_021_KITCH_SINKS-NA-NA-NA-PMAX-6188559-NA-NA-NA- NBR-NA-NA_BHU24&cm_mmc=SHOPPING-B		
17_Facial Laser Room 3	Faucet		Finish: Oil-Rubbed Bronze Handle: FB Series	https://www.calfaucets.com/kitchen/faucets/prep-bar/poetto-pull-down-prep-bar-faucet-k50-101-xx		
18_Laser Store	Magnetic Wall Mounted Door Stop	Rejuvenation	Finish: Burnished Antique	https://www.rejuvenation.com/products/traditional-wall-mounted-magnetic-door-stop/?pkey=call-door-hardware&position=4		

CAN LIGHTS IN DROPED (GYPSUM) CEILING



MECHANICAL GENERAL NOTES

GENERAL

SCOPE

THE INTENT OF THE SPECIFICATION AND THE DRAWINGS IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL MECHANICAL SYSTEM. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE MECHANICAL WORK.

SITE EXAMINATION

THE MECHANICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT, DUCTWORK, AND PIPING WILL BE INSTALLED AND WILL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE MECHANICAL WORK.

STANDARDS

EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF ARL, ASME, ASTM, UL, NEMA, ANSI, SMACNA, ASHRAE, AND NFPA, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

CODES

ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATION AND THE CODES AND THE ORDINANCES, THE HIGHEST STANDARDS SHALL APPLY. THE MECHANICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO OWNER/TENANT.

PERMITS AND FEES

THE MECHANICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES AND INSPECTORS NECESSARY TO COMPLETE THE MECHANICAL WORK.

WARRANTY

THE MECHANICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER/TENANT AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIAL AND WORKMANSHIP.

FILTERS

PROVIDE TWO (2) SETS OF PLEATED DISPOSABLE FILTERS. USE ONE SET UNTIL COMPLETION OF CONSTRUCTION. INSTALL ONE SET AT COMPLETION OF CONSTRUCTION. FILTERS TO BE FARR, OR SIMILAR.

DUCTWORK & ACCESSORIES

SHEETMETAL DUCTWORK ALL DUCTWORK TO BE RIGID SHEETMETAL CONSTRUCTED FROM GALVANIZED SHEET STEEL IN ACCORDANCE WITH SMACNA 1" PRESSURE CLASS DUCT CONSTRUCTION STANDARDS ALL EXPOSED DUCTWORK TO BE ROUND, SPIRAL, OR RECTANGULAR LOCK-SEAM TYPE, AS SHOWN ON HVAC PLAN. ASSEMBLE AND INSTALL DUCTWORK IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICE FOR ACHIEVING AIR TIGHT (5% LEAKAGE) AND NOISELESS (NO OBJECTIONABLE NOISE) SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE. FURNISH ALL REQUIRED DAMPERS, TRANSITIONS, CONNECTIONS TO AIR TERMINALS, AND OTHER ACCESSORIES NECESSARY FOR A COMPLETE OPERATING SYSTEM. NO VARIATION OF DUCT CONFIGURATION OR SIZES WILL BE PERMITTED EXCEPT BY PERMISSION FROM THE ENGINEER. FURNISH SHEETMETAL FROM SUGGESTED VENDORS: C.H.I. MANUFACTURING, INC.

REEVES SPECIALTY SERVICES, INC.

DUCT SEALANT

SEAL ALL CONCEALED LONGITUDINAL AND TRANSVERSE JOINTS WITH A NON-HARDENING, NON-MIGRATING MASTIC OR LIQUID ELASTIC SEALANT OF A TYPE RECOMMENDED BY THE MANUFACTURER FOR SEALING JOINTS AND SEAMS IN SHEET METAL DUCTWORK. COVER ALL FIELD JOINTS, JOINTS AROUND SPIN-IN FITTINGS AND FASTENING SCREWS WITH MASTIC. DO NOT SEAL EXPOSED DUCT.

SUPPORTS

PROVIDE HOT-DIPPED GALVANIZED STEEL FASTENERS, ANCHORS, RODS, STRAPS, TRIM, AND ANGLES FOR SUPPORT OF DUCTWORK.

DAMPERS

PROVIDE OPPOSED-BLADE, MULTI-LEAF VOLUME CONTROL DAMPERS WHERE INDICATED ON DRAWINGS AND AT POINTS ON LOW PRESSURE SUPPLY, RETURN AND EXHAUST DUCTS WHERE BRANCHES ARE TAKEN FROM LARGER DUCTS. PROVIDE UL LISTED FIRE DAMPERS WHERE REQUIRED AND IN ACCORDANCE WITH NFPA AND LOCAL CODES. PROVIDE CONVENIENTLY LOCATED ACCESS DOORS OF AMPLE SIZE AND QUANTITY FOR SERVICING THE DAMPERS.

GRILLES, REGISTERS, & DIFFUSERS

GRILLES, REGISTERS AND DIFFUSERS SHALL BE MANUFACTURED BY PRICE. DIFFUSERS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS AND SCHEDULES. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS ITEMS NECESSARY FOR A COMPLETE AND PROPER INSTALLATION IN THE TYPE OF CEILING AND WALLS USED IN THIS PROJECT.

CONTROLS AND OPERATIONS

CONTROL WIRING

THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING NECESSARY FOR THE COMPLETE AND PROPER OPERATING TEMPERATURE CONTROL SYSTEM.

CONTROLS

MOUNT ALL CONTROLS @ 48" ABOVE FINISH FLOOR. UNLESS OTHERWISE NOTED.

TESTING, ADJUSTING, AND BALANCING

TESTING, ADJUSTING, BALANCING

MECHANICAL CONTRACTOR OR AN INDEPENDENT NEBB OR AABC CERTIFIED AIR BALANCE CONTRACTOR SHALL ACCURATELY BALANCE THE AIR SYSTEM TO PROVIDE AIR QUANTITIES INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION. OPERATE AUTOMATIC CONTROLS SYSTEM AND VERIFY SET POINTS DURING BALANCING. SUBMIT TWO (2) COPIES OF THE BALANCE REPORT TO THE ENGINEER FOR APPROVAL. INCLUDE A COPY OF THE BALANCE REPORT AS APPROVED BY THE ENGINEER WITH APPLICATION FOR FINAL CONTRACT PAYMENT.

						00131		MIPLIANCE							
DESCRIPTION	ROOM #	AREA SF	PEOPLE/1000SF	POPULATION	CFM/PERSON	AREA AIRFLOW RATE	Ez	REQUIRED OUTSIDE AIR CFM	SUPPLY AIR	% OUTSIDE AIR	OUTSIDE AIR PROVIDED	EXHAUST AIRFLOW RATE	EXHAUST REQUIRED	EXHAUST PROVIDED	REMARKS
RECEPTION	01	424	5	3	5.0	0.06	0.8	51	360	20%	72	0.00	0	0	
INVENTORY	02	47	0	0	0.0	0.06	0.8	4	40	20%	8	0.00	0	0	
HALLWAY/PHOTOBOOTH	03/12	406	0	0	0.0	0.06	0.8	30	150	20%	30	0.00	0	0	
ADA BATHROOM	04	48	0	0	0.0	0.00	0.8	0	0	0%	0	0.00	70	75	
PRODUCT PULL ROOM	05	130	5	1	5.0	0.06	0.8	16	205	20%	41	0.00	0	0	
SHARED OFFICE	06	187	5	1	5.0	0.06	0.8	20	510	20%	102	0.00	0	0	
TEAM/BREAK	07	334	5	2	5.0	0.06	0.8	38	300	20%	60	0.00	0	0	
PRETREATMENT	08	344	5	2	5.0	0.06	0.8	38	240	20%	48	0.00	0	0	
INJECTION ROOM 1	09	119	5	1	5.0	0.06	0.8	15	360	20%	72	0.00	0	0	
INJECTION ROOM 2	10	98	5	1	5.0	0.06	0.8	14	360	20%	72	0.00	0	0	
INJECTION ROOM 3	11	103	5	1	5.0	0.06	0.8	14	290	20%	58	0.00	0	0	
FUNCTIONAL MED ROOM	13	101	5	1	5.0	0.06	0.8	14	360	20%	72	0.00	0	0	
CONSULTATION OFFICE	14	166	5	1	5.0	0.06	0.8	19	550	20%	110	0.00	0	0	
FACIAL/LASER ROOM 1	15	99	5	1	5.0	0.06	0.8	14	80	20%	16	0.00	0	0	
FACIAL/LASER ROOM 2	16	102	5	1	5.0	0.06	0.8	14	80	20%	16	0.00	0	0	
FACIAL/LASER ROOM 3	17	153	5	1	5.0	0.06	0.8	18	100	20%	20	0.00	0	0	
LASER STORE	18	71	0	0	0.0	0.06	0.8	5	50	20%	10	0.00	0	0	
TOTALS		2932		17				323	4035		807		70	75	

	FAN POWERED BOX SCHEDULE										
MADIC	MFR. &		PRIMARY AIR		HEATING			FAN MOTOR	MCA	MAX	
MARK	MARK MODEL NUMBER	AIR INLET SIZE	MAX. CFM	MIN. CFM	VOLTAGE	KW	HEATING CFM	VOLTAGE	MCA	FUSE	REMARKS
FTU-1	NAILOR D35SE 4-12	12"Ø	1045	310	480/3	10	1045	277/1	17.5	20	1
FTU-2	NAILOR D35SE 3-08	8"Ø	580	170	480/3	6	580	277/1	11.3	15	1
NOTES:											

1. EXISTING TO REMAIN.

	DIFFUSER SCHEDULE								
MARK	SERVICE	FACE SIZE	NECK SIZE	FIRE DAMPER	VOLUME DAMPER	MFR	MODEL	REMARKS	
A	SUPPLY	-	-	-	-	-	-	EXISTING TO REMAIN OR BE RELOCATED	
В	SUPPLY	24" x 24"	6"Ø	NO	NO	PRICE	SCD		
С	SUPPLY	12" x 12"	8"Ø	NO	YES	PRICE	SCD	W/ NECK MOUNTED OPPOSED BLADE DAMPER	
D	SUPPLY	18"Ø	8"Ø	NO	NO	PRICE	RCDA		
R	RETURN	-	-	-	-	-	-	EXISTING TO BE RELOCATED	
R1	RETURN	12" x 12"	10" x 10"	NO	NO	PRICE	PFRF		
E1	EXHAUST	-	-	-	-	-	-	EXISTING TO REMAIN	
E2	EXHAUST	12" x 12"	10" x 10"	NO	YES	PRICE	530	W/ NECK MOUNTED OPPOSED BLADE DAMPER	

VAV TERMINAL MFR. & MAX. PRIMARY MARK AIR INLET MODEL NUMBER AIR CFM SIZE VAV-1 NAILOR D3001 08-08 360 8"Ø NAILOR D3001 08-08 420 VAV-2 8"Ø VAV-3 NAILOR D3001 08-08 8"Ø 570 VAV-4 KRUEGER LMHS 08-08 8"Ø 370 NAILOR D3001 08-08 VAV-5 8"Ø 590 KRUEGER LMHS 08-08 VAV-6 8"Ø 340

NOTES: 1. EXISTING TO REMAIN.

OUTSIDE AIR COMPLIANCE

MIN. PRIMARY AIR CFM	DISCHARGE PLENUM SIZE	REMARKS
100	-	1
125	-	1
170	-	1
110	-	1
175	-	1
100	-	1

	LEGEND
\square	DIFFUSER, SEE SCHEDULE
	GRILLE, SEE SCHEDULE
	NEW RIGID RECTANGULAR DUCTWORK
	EXISTING RIGID RECTANGULAR DUCTWORK
	NEW RIGID ROUND DUCTWORK
	EXISTING RIGID ROUND DUCTWORK
	EXPOSED SPIRAL DUCTWORK
	DUCTWORK TO BE REMOVED
\checkmark	FLEX, DUCTWORK.
T	THERMOSTAT TO MATCH EQUIPMENT
200	CFM, BALANCE WITHIN 10%
$\left\langle \begin{array}{c} M\\ 1 \end{array} \right\rangle$	EQUIPMENT DESIGNATION
Ц	SPIN-IN WITH DAMPER
₩_►	RETURN AIR ARROW
	SUPPLY AIR ARROW
\bigcirc	CONNECT TO EXISTING

M-0

INJECTING CONFIDENCE

8310 S Valley Hwy Englewood, CO 80112

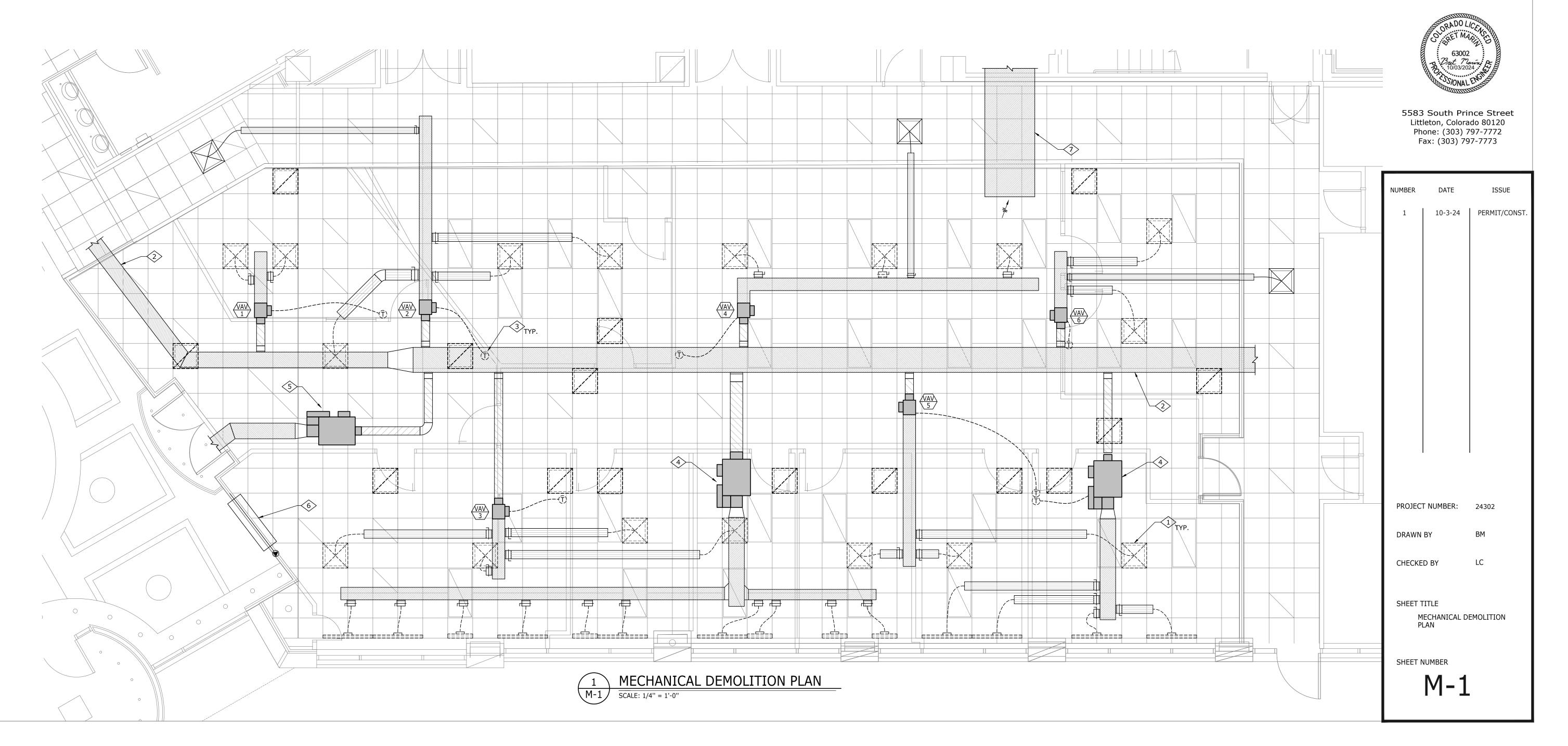
BRIAN SEYFERTH & ASSOCIATES, INC.



PROFESSIONAL ENGINEER



5583 South Prince Street Littleton, Colorado 80120 Phone: (303) 797-7772 Fax: (303) 797-7773



PROFESSIONAL ENGINEER



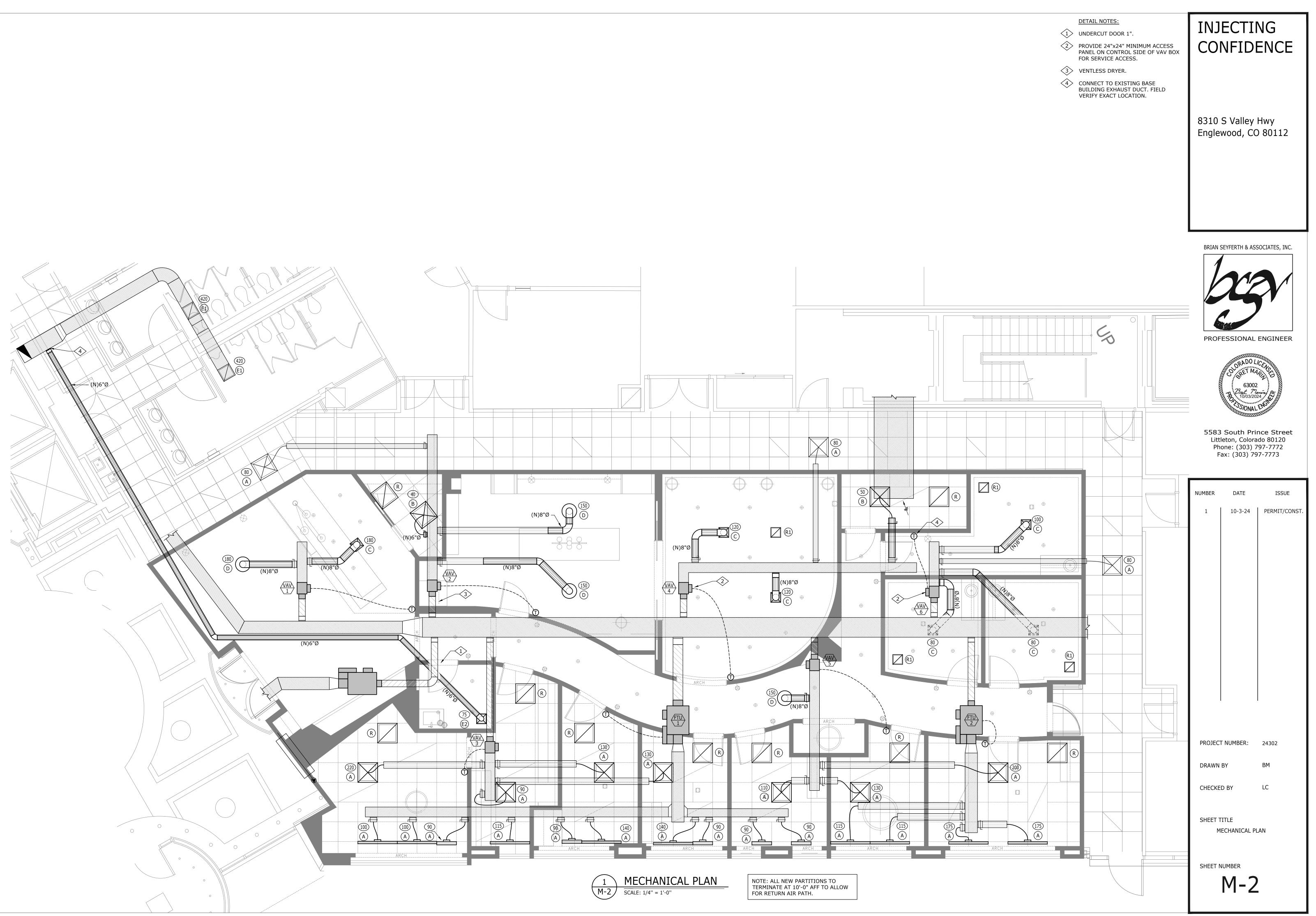
BRIAN SEYFERTH & ASSOCIATES, INC.

- (6) EXISTING TRANSFER DUCT TO REMAIN. $\langle 7 \rangle$ EXISTING RETURN DUCT TO REMAIN.
- 5 EXISTING FAN POWERED BOX SERVING ENTRY LOBBY TO REMAIN.
- EXISTING FAN POWERED BOX TO REMAIN.
- EXISTING THERMOSTAT TO BE RELOCATED.
- EXISTING SUPPLY DUCTWORK TO REMAIN.
- DEMOLITION PLAN DETAIL NOTES: EXISTING DIFFUSER TO BE REMOVED FOR RELOCATION TO NEW CEILING.



8310 S Valley Hwy

Englewood, CO 80112



PLUMBING GENERAL NOTES

GENERAL

SCOPE

THE INTENT OF THE SPECIFICATION AND THE DRAWINGS IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL PLUMBING SYSTEM. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE PLUMBING WORK.

SITE EXAMINATION

THE PLUMBING CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS WHERE FIXTURES, EQUIPMENT, AND PIPING WILL BE INSTALLED AND WILL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE PLUMBING WORK.

STANDARDS

EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF ASME, ASTM, UL, NEMA, ANSI, ASHRAE, NFPA, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

CODES

ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE PLUMBING CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST.

PERMITS AND FEES

THE PLUMBING CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES AND INSPECTIONS NECESSARY TO COMPLETE THE PLUMBING WORK.

WARRANTY

THE PLUMBING CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE VALVES FOR EACH FIXTURE AND ITEM OF EQUIPMENT. PROVIDE BRAIDED STAINLESS OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.

PIPING

SOIL, WASTE AND VENT PIPING

SOIL, WASTE AND VENT PIPING 10" AND SMALLER SHALL BE SERVICE WEIGHT, HUBLESS, CAST IRON PIPE AND FITTINGS CONFORMING WITH THE REQUIREMENTS OF CISPI STD 301, ASTM A888 OR ASTM A74, WITH NEOPRENE GASKET AND STAINLESS STEEL SHIELD AND CLAMP. PROVIDE HUB-TYPE PIPE AND FITTINGS BELOW GRADE WHERE REQUIRED BY LOCAL CODES. PIPE AND FITTINGS SHALL BE MARKED WITH THE CISPI TRADEMARK. SCHEDULE 40 ABS OR PVC PIPE AND FITTINGS WITH SOLVENT WELD MAY BE SUBSTITUTED FOR SOIL, WASTE AND VENT PIPING ABOVE AND BELOW GRADE IF ALLOWED BY LOCAL AUTHORITY, EXCEPT WHEN USED IN RETURN AIR PLENUMS OR WHEN PENETRATING RATED ASSEMBLIES. HORIZONTAL RUNS SHALL DRAIN AT A GRADE OF 1/4 INCH PER FOOT WHERE POSSIBLE BUT IN NO CASE LESS THAN 1/8" PER FOOT. COORDINATE WITH LOCAL AUTHORITIES FOR DRAINAGE REQUIREMENTS FOR EQUIPMENT DESIGNATED WITH INDIRECT WASTE TO FLOOR DRAINS. PROVIDE PIPED DRAIN TO SANITARY IF REQUIRED BY LOCAL JURISDICTION.

DOMESTIC WATER PIPING

DOMESTIC WATER PIPING 2" AND SMALLER SHALL BE COPPER TUBE WITH WROUGHT COPPER SWEAT FITTINGS JOINED WITH LEAD FREE SOLDER. PROVIDE TYPE "L" COPPER TUBE ABOVE GRADE AND TYPE "K" BELOW GRADE. PRESS-FIT FITTINGS ARE NOT PERMITTED.

HANGERS & SUPPORTS

THE PLUMBING CONTRACTOR SHALL FURNISH ALL PIPE SUPPORTS REQUIRED FOR HIS EQUIPMENT AND MATERIAL. HANGERS AND PIPE ATTACHMENTS TO BE FACTORY FABRICATED WITH GALVANIZED COATINGS; NONMETALLIC COATED FOR HANGERS IN DIRECT CONTACT WITH COPPER TUBING.

CONNECTIONS

INSTALL UNIONS ADJACENT TO EACH VALVE AND AT FINAL CONNECTION TO EACH PIECE OF EQUIPMENT. INSTALL DIELECTRIC COUPLINGS TO CONNECT PIPING MATERIALS OF DISSIMILAR METALS. SCREW JOINT STEEL PIPING UP TO AND INCLUDING 1-1/2". WELD PIPING USE LEAD FREE SOLDER FOR SOLDERING DOMESTIC WATER COPPER PIPE.

CLEANOUTS

PROVIDE J.R. SMITH OR EQUIVALENT FLOOR AND WALL CLEANOUTS AS INDICATED ON THE DRAWINGS OR WHERE REQUIRED IN ALL SOIL, WASTE, AND DRAIN LINES. IN AREAS WITH CERAMIC TILE OR CARPETED FLOORING, PROVIDE CLEANOUTS WITH SQUARE, ADJUSTABLE, NICKEL BRONZE TOP. IN AREAS WITH RESILIENT FLOORING, PROVIDE CLEANOUTS WITH SQUARE, ADJUSTABLE, NICKEL BRONZE TOP WITH TILE RECESS. CLEANOUTS SHALL BE SAME SIZE AS PIPE EXCEPT THAT CLEANOUTS LARGER THAN 4" WILL NOT BE REQUIRED. WHERE CLEANOUTS OCCUR IN WALLS OF FINISHED AREAS, THEY SHALL BE CONCEALED BEHIND CHROME PLATED ACCESS COVERS.

INSTALLATION PROVIDE SEWER SCOPE PRIOR TO FINAL PRICING

INSTALL PIPING FREE OF SAGS AND BENDS. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS. INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS, GYPSUM-BOARD PARTITIONS, CONCRETE FLOOR, AND ROOF SLABS. SEAL PIPE PENETRATIONS THROUGH RATED CONSTRUCTION WITH FIRESTOPPING SEALANT MATERIAL. UNDERGROUND WATER AND SEWER LINES SHALL BE LAID IN SEPARATE TRENCHES WITH A MINIMUM HORIZONTAL SPACING AS REQUIRED BY CODE, EXCAVATED TO THE PROPER DEPTH AND GRADED TO PRODUCE THE REQUIRED FALL.

TESTING

ALL PIPES SHALL BE TESTED BY AN APPROVED METHOD BEFORE THEY ARE BACKFILLED OR CONCEALED.

VALVES

GENERAL PLUMBING CONTRACTOR TO PROVIDE VALVES WHERE INDICATED ON PLANS AND AS NECESSARY FOR PROPER SYSTEM OPERATION AND COMPONENT ISOLATION. INSTALL STEEL HOSE (UNLESS OTHERWISE NOTED) BETWEEN VALVE AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. LOCATE SHUT-OFF VALVES ADJACENT TO EQUIPMENT FOR EASY ACCESS SUCH THAT VALVES CAN BE REACHED WITHOUT MOVING EQUIPMENT.

VALVES

PROVIDE VALVES FOR WORKING PRESSURE IN WATER PIPING OF 125 PSI OR GREATER. INSULATION

WATER PIPING

PROVIDE THERMAL INSULATION ON ALL HOT & COLD WATER PIPING. USE SELF-SEALING CLOSED CELL FOAM OR JACKETED FIBERGLASS INSULATION WITH MANUFACTURER APPROVED ADHESIVES, SEALERS, AND COATINGS. ALL MATERIALS USED SHALL NOT EXCEED 25 FOR FLAME SPREAD, 50 FOR FUEL CONTRIBUTED, OR 50 FOR SMOKE DEVELOPED.

SAFETY COVERS

INSTALL NO-SCALD SAFETY COVERS WITH INSULATED FOAM LINER AND TAMPER PROOF STRAP AT ALL EXPOSED HOT WATER & WASTE PIPING.

MISC PLUMBING FIXTURES

WATER HEATER

PROVIDE AN A.O. SMITH OR EQUIVALENT, GLASS-LINED, ENERGY EFFICIENT, WATER HEATER, WITH CAPACITY AS INDICATED IN THE PLANS. PROVIDE INSTALLATION COMPLETE WITH FITTINGS AS SHOWN IN THE DRAWINGS. PROVIDE HEAT TRAPS ON BOTH SUPPLY AND DISCHARGE TO WATER HEATER.

OWNER FURNISHED CONTRACTOR INSTALLED PLUMBING FIXTURES/EQUIPMENT (E.G., ICE MAKER, ETC.)

THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT INCLUDING REQUIRED MATERIAL SUCH AS PIPING, VALVES, FILTERS, TRAPS, CHECKS VALVES, VACUUM BREAKERS, AND FLEXIBLE AND RIGID TUBING.

ALL FLEXIBLE SUPPLY LINES TO BE BRAIDED STAINLESS STEEL WITH METAL COUPLINGS.

MINIMUM HYDRONIC & DOMESTIC HOT WATER PIPE INSULATION THICKNESS (IN INCHES)

FLUID OPERATING	INSULATIO	N CONDUCTIVITY	NOMINAL PIPE OR TUBE SIZE (INCHES)					
TEMPERATURE RANGE AND USAGE (°F)	CONDUCTIVITY BTU - IN./(H - FT ² - °F) ^B MEAN RATING TEMPERATURE, °F		LESS THAN 1	1 TO < 1-1/2	1-1/2 TO < 4	4 TO < 8	<u>></u> 8	
201 -250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0	
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0	
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5	
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0	

PIPE HANGER SPACING REQUIREMENTS

MATERIAL	SIZE	MAX HORIZONTAL SPACING	MAX VERTICAL SPACING
ABS	ALL	4'	10'
CAST IRON < 10'	ALL	5'	15'
CAST IRON - 10'	ALL	10'	15'
COPPER	< 1-1/2	6'	10'
COPPER	<u>></u> 1-1/2	10'	10'
PEX	ALL	32"	10'
PVC	ALL	4'	10'

PIPE SIZE EQUIVALENTS

DESIGN SIZE	NOMINAL COPPER TUBE	NOMINAL PEX	NOMINAL BLACK IRON	CSST EHD
1⁄2"	1⁄2"	1⁄2"	1⁄2"	18
3⁄4"	3/ "	1"	3⁄4"	23
1"	1"	1¼"	1"	31
11⁄4"	1¼"	1½"	1¼"	37
1½"	1½"	2"	1½"	47
2"	2"	-	2"	60

PLUMBING SYMBOLS LEGEND

	WASTE PIPING
	VENT PIPING
·	COLD WATER PIPING
<u> </u>	HOT WATER PIPING
——-G——	GAS PIPING
—ιδі—	BALL VALVE
\rightarrow	HOSE BIBB
——— wco	WALL CLEANOUT
	FLOOR CLEANOUT
۲	FLOOR DRAIN
	CONNECT TO EXISTING

	PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	MANUFACTURER	MODEL	CW	НW	TW	W	REMARKS
P100	WATER CLOSET	тото	CST454CEFG	1/2"			3"	COLOR WHITE, W OPEN SEAT, 17" FLOOD RIM
P103	LAVATORY	KOHLER	K-2005				1 1/4"	COLOR WHITE
P104	LAVATORY FAUCET	DELTA	501-DST	1/2"		1/2"		
P105	BREAK ROOM SINK	ELKAY	LRAD2521				2"	PROVIDE IN-SINK-ERATOR DISPOSER BADGER V, 1/2 HP
P106	SINK FAUCET	DELTA	9195-DST	1/2"	1/2"			
P110	WATER HEATER	A.O. SMITH	DEL-10	3/4"	3/4"			208V/1, 3KW, PROVIDE WATTS LFN36 VAC. RELIEF VALVE.
P111	EXPANSION TANK	AMTROL	ST-5	3/4"				
P112	HOT WATER RECIRC PUMP	BELL & GOSSETT	E3-4-/B-PRZ		1/2"			W/ ADJUSTABLE TEMP SENSOR & E3 TIMER, 120V/ 10W
P113	THERMOSTATIC RECIRC VALVE	CIRCUIT SOLVER	CS-1/2-110					
P114	BELOW SINK TEMPERING VALVE	WATTS	LFUSG-B	1/2"	1/2"	1/2"		
P122	FLOOR DRAIN	JR SMITH	2005Y0205(A) NB				2"	W/ Quad Close Trap Seal -Jr Smith 2692-02
P128	WASHER ROUGH-IN	IPS WATERTITE	W2700-HA	1/2"	1/2"		2"	
P129	WATER ROUGH-IN BOX	IPS WATERTITE	AB9700HA	3/8"				W/ WATER HAMMER ARRESTOR. PROVIDE ASSE 1022 BACKFLOW PREVENTER
P144	EXAM ROOM SINK	ELKAY	ELUH12				2"	
P145	FAUCET	DELTA	15849LF	1/2"	1/2"			



8310 S Valley Hwy Englewood, CO 80112

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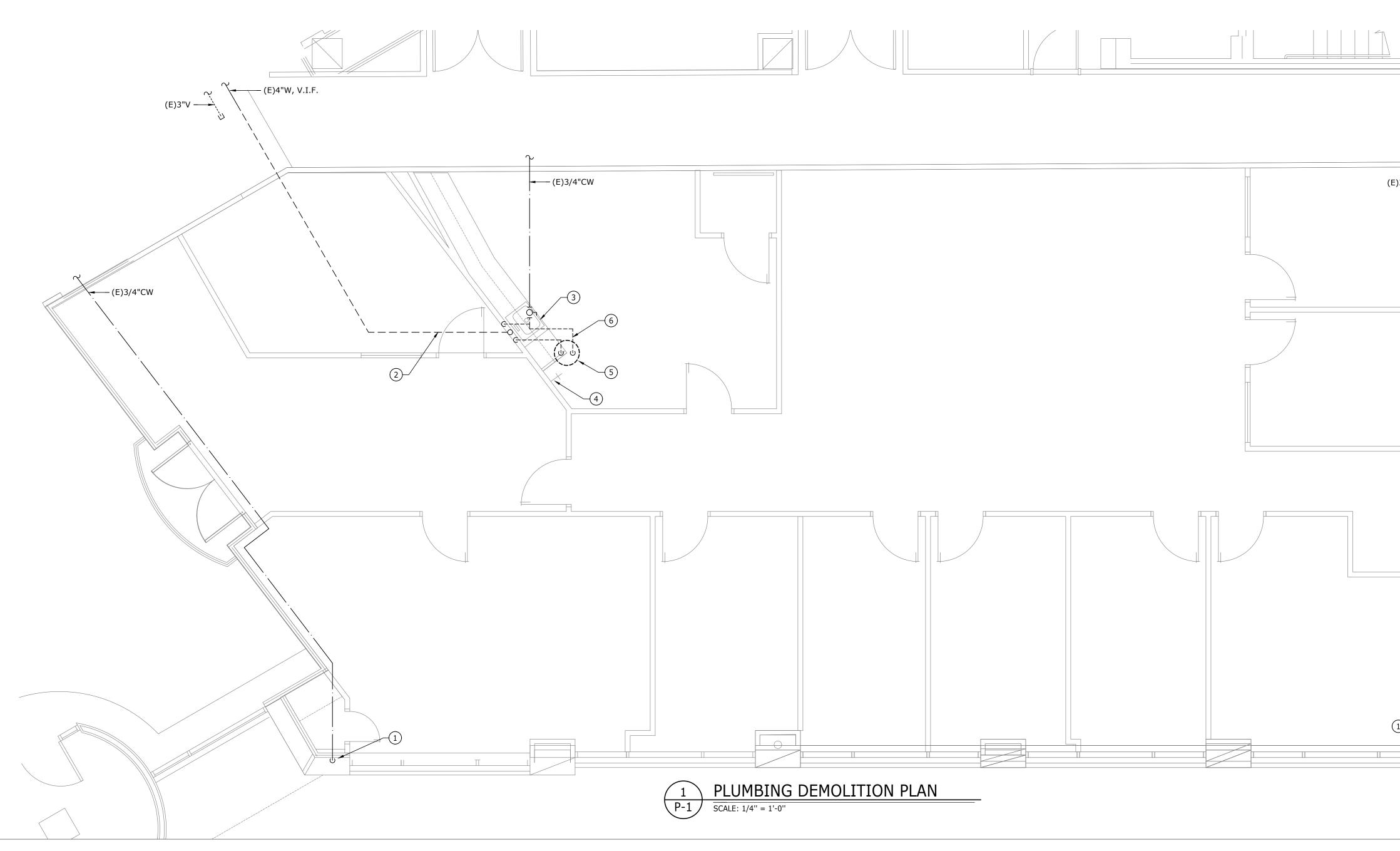


PROFESSIONAL ENGINEER



5583 South Prince Street Littleton, Colorado 80120 Phone: (303) 797-7772 Fax: (303) 797-7773

NUMBER	DATE	ISSUE				
1	10-3-24	PERMIT/CONST.				
	T NUMBER:	24202				
PROJEC	I NUMBER.	24302				
DRAWN	BY	ВМ				
CHECKE	D BY	LC				
P	SHEET TITLE PLUMBING NOTES AND SCHEDULES					
SHEET N						
	P-0					



DEMOLITION PLAN NOTES

- 1 EXISTING WATER LINE FOR HOSE BIBB.
- 2 EXISTING 2"W TO BE REMOVED FOR REPLACEMENT. FIELD VERIFY EXACT LOCATION AND SIZE.
- (3) EXISTING SINK AND ASSOCIATED PIPING TO BE REMOVED.
- (4) EXISTING WATER ROUGH-IN BOX TO BE REMOVED.
- REMOVED.
- 5 EXISTING WATER HEATER TO BE REMOVED.

6 EXISTING PIPING TO BE REMOVED.

INJECTING CONFIDENCE

8310 S Valley Hwy Englewood, CO 80112

BRIAN SEYFERTH & ASSOCIATES, INC.

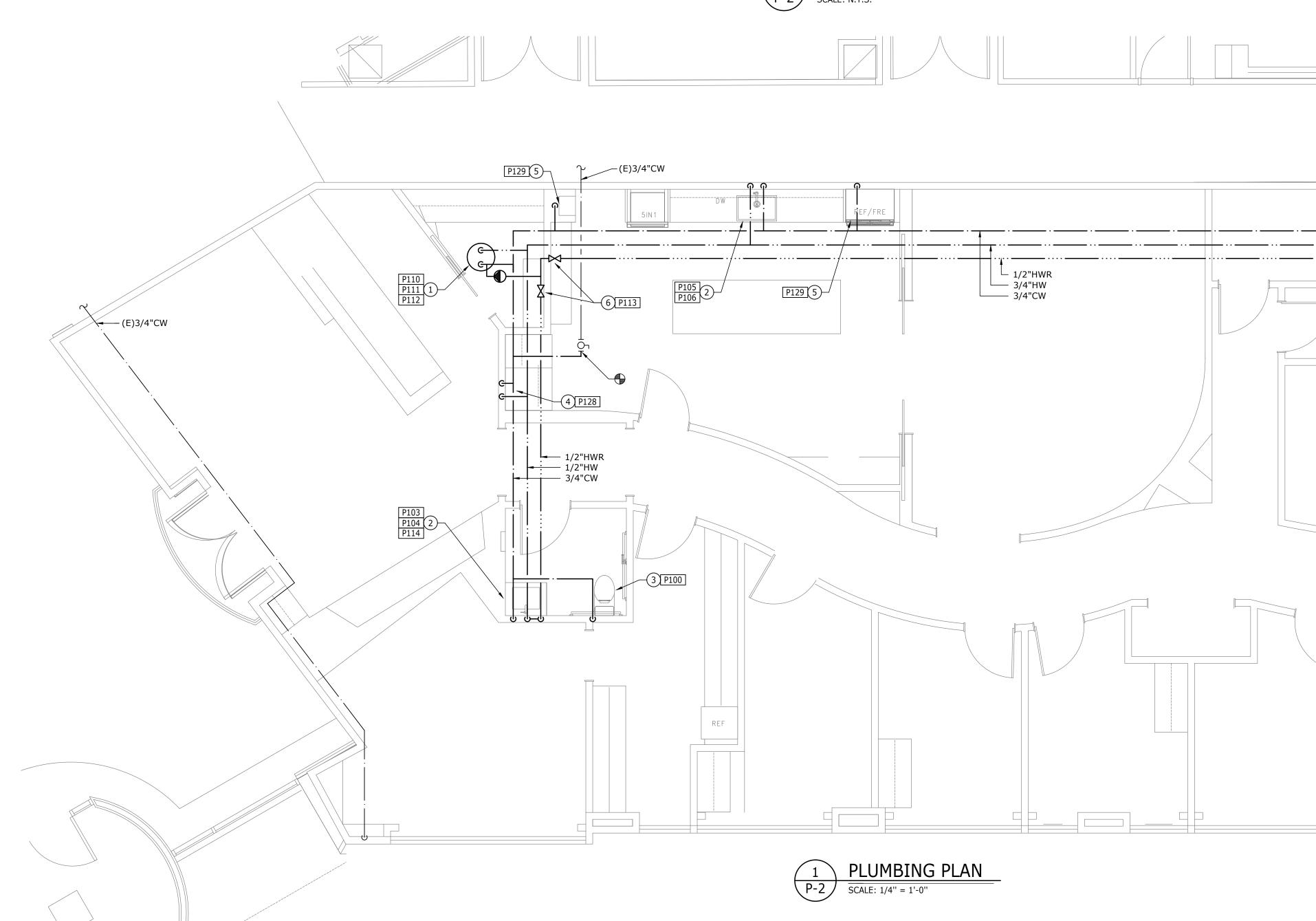


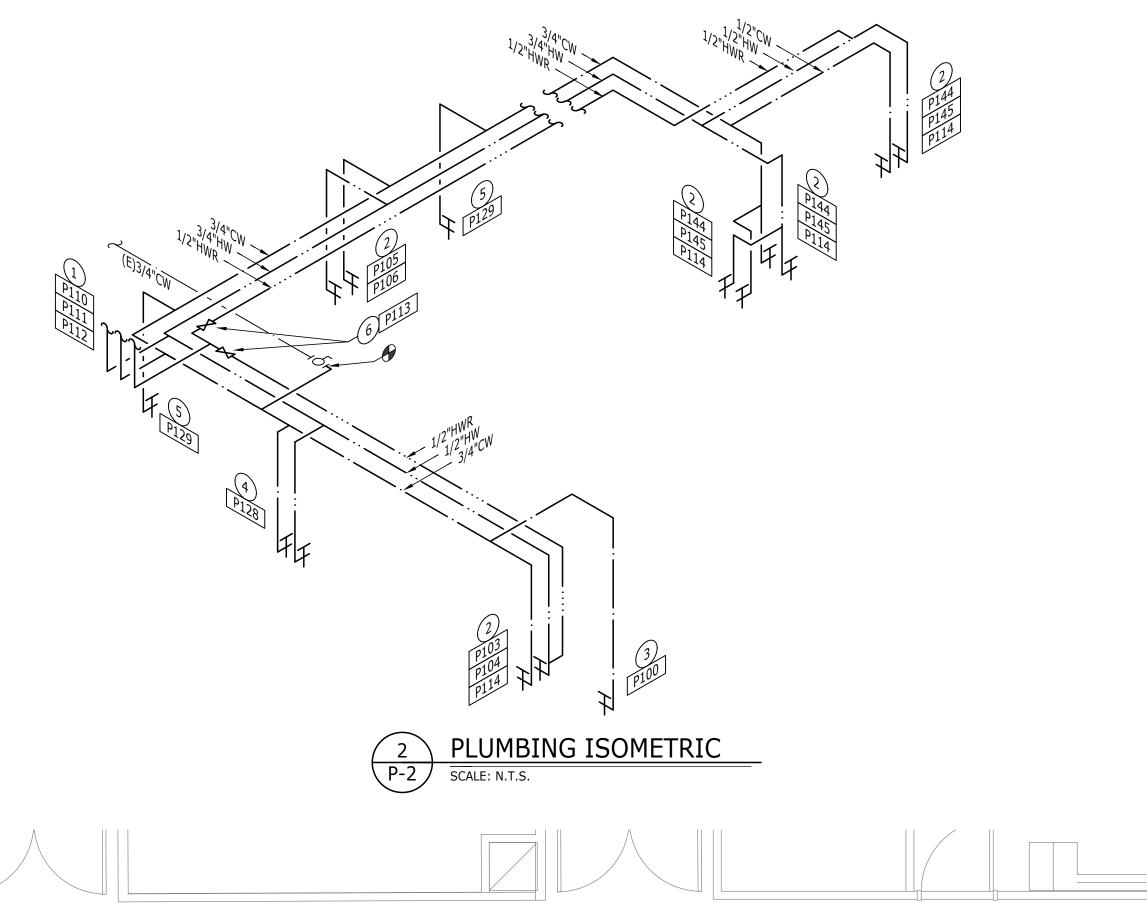
PROFESSIONAL ENGINEER

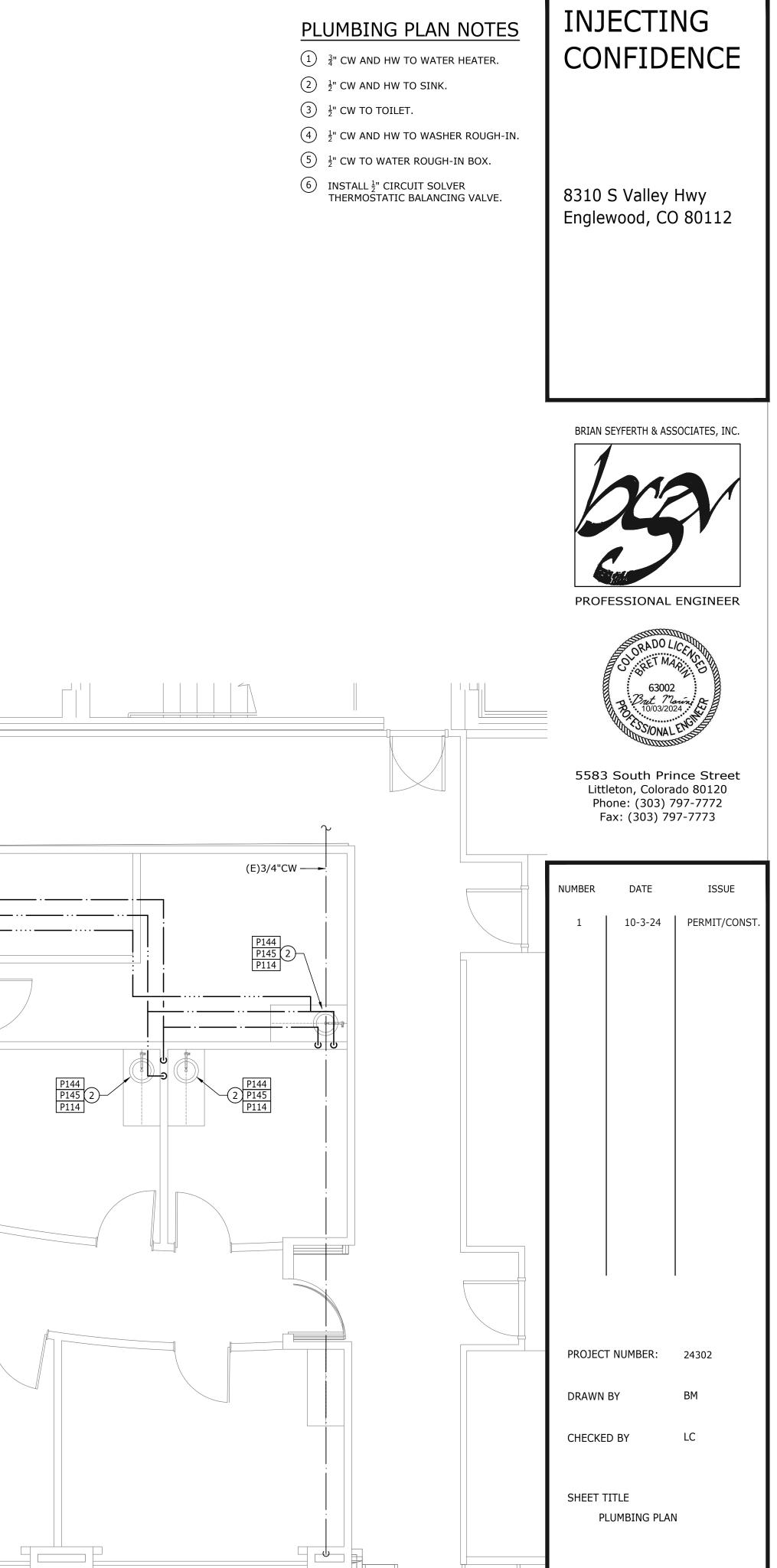


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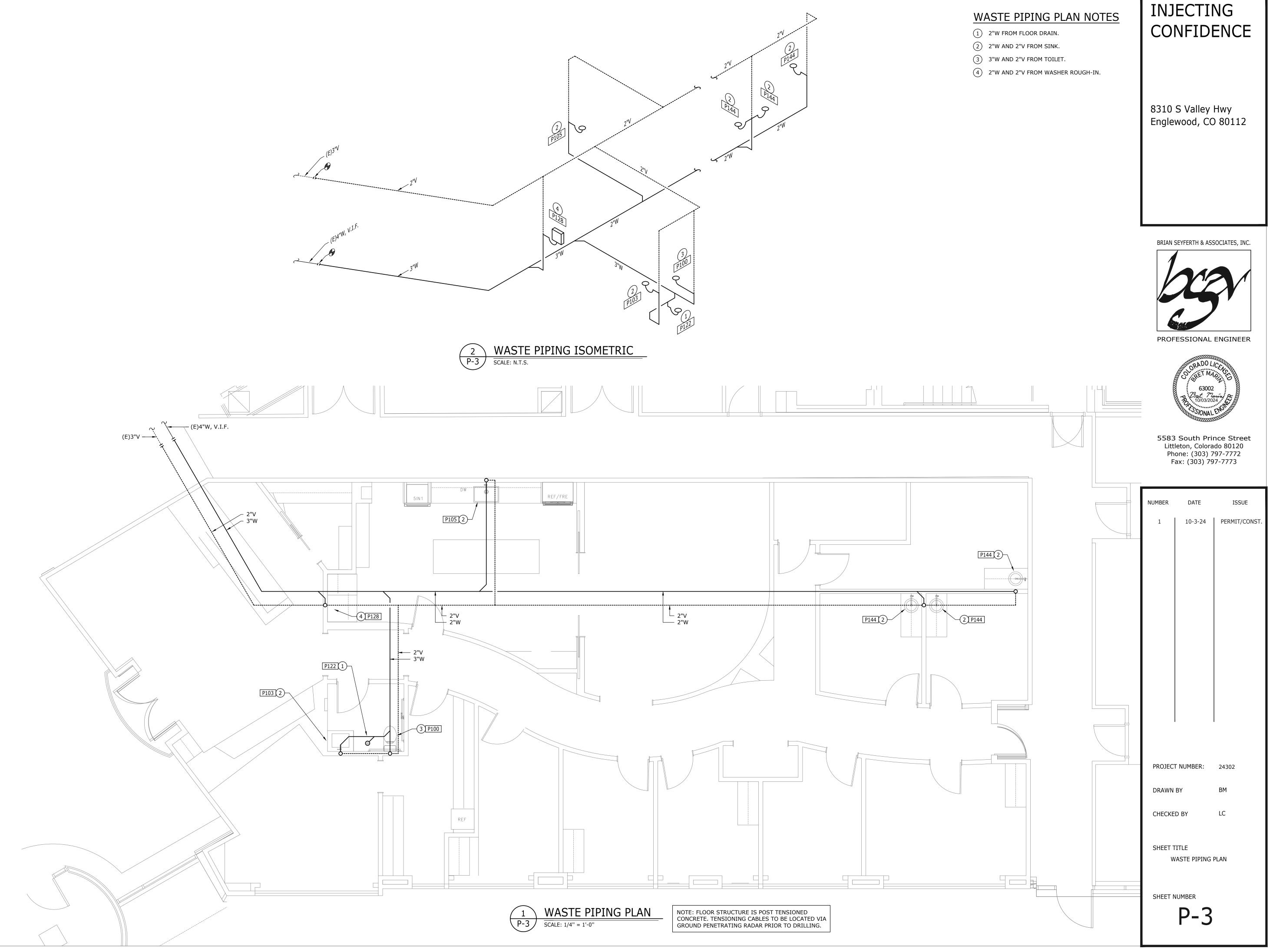
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	DRAWN BY	ВМ
	CHECKED BY	LC
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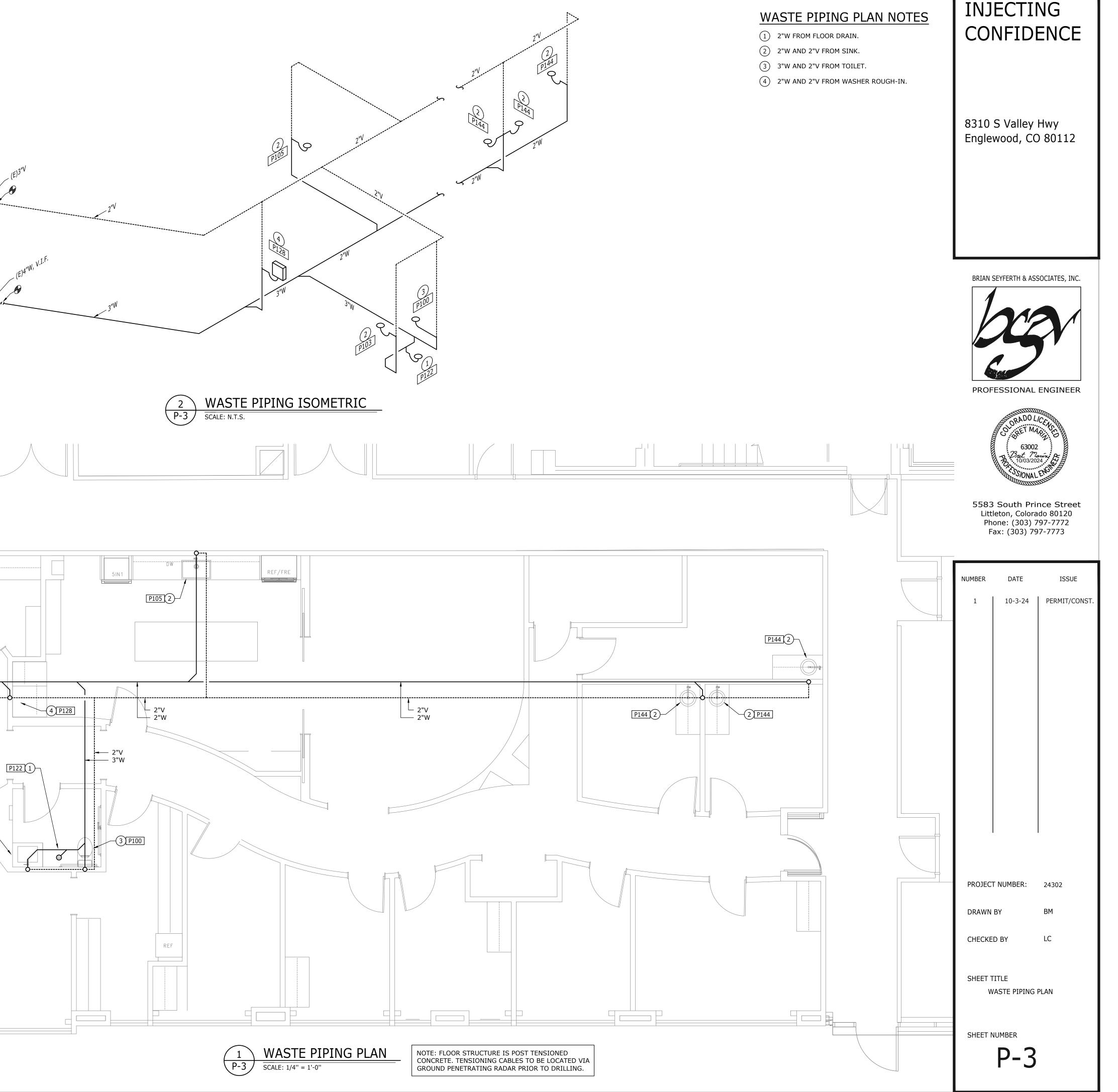






SHEET NUMBER P-2





SPECIFICATIONS - DIVISION 26 - ELECTRICAL (NOTES ON DRAWINGS SUPERCEDE THESE SPECIFICATIONS) SECTION 26 00 01 - GENERAL ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

- 1.1 RELATED DOCUMENTS
- A. Drawings and general provisions of contract, including general and supplemental conditions and Division 1 1.2 CONDUCTORS pecification Sections, apply to work of Division 26 Sections. B. E- Series drawings apply to work of Division 26 Sections and vice versa.

1.2 GENERAL STANDARDS

- A. Provide work in compliance with applicable provisions of the following standards. Provide UL Listing and UL Label for all electrical materials, equipment, luminaires, devices, etc. In cases where UL Listing is not available for a particular product, provide equivalent listing and labeling from another third party nationally recognized certification laboratory (subject to approval by local electrical inspector and authorities having
- B. Provide work in strict accordance with the latest edition of applicable codes including, but not limited to, the following codes and standards: 1. National Electrical Code (NEC), NFPA 70
- 2. Life Safety Code, NFPA 101
- Other provisions of the NFPA as applicable
- 4. Local electrical codes / amendments 5. Local Utility Company Requirements
- 6. ADA / ADAAG Requirements
- 7. ASME
- 8. International Building Code 9. International Energy Conservation Code
- 1.3 MATERIALS AND EQUIPMENT
- A. Unless otherwise noted, furnish and install all specified and drawn equipment, raceway, boxes, luminaires, controls, wiring, cabling, supports, and other materials as required to render all electrical and electrically operated equipment, luminaires, devices, etc. as fully operational. Unless otherwise noted, furnish and install all materials that are specified under Division 26. Discrepancies or uncertainties perceived by a bidder, or other questionable interpretations by a bidder, are subject to final interpretations and decisions by the owner's representative unless addressed before bidding by an addendum or unless gualified or excepted
- within the bids. B. Provide materials that are new, full weight, and of the best quality. Provide similar materials that are of the same type and manufacturer. Provide materials, apparatus, and equipment with UL label where regularly
- C. Maintain safety and good condition of the materials and equipment installed until final acceptance by the owner. Store materials to prevent damage and weathering prior to installation. D. When several materials, products, or items of equipment are specified by name or one use, select one of

those specified END OF SECTION

SECTION 26 00 02 - BASIC MATERIALS AND METHODS

PART 1 - GENERAL 1.1 GENERAL

- A. Furnish and install all labor and material, tools, and equipment necessary to render all systems complete and operational, and ready for turnover to owner.
- 1.2 HEIGHT OF BOXES
- A. Outlet mounting heights as indicated on the plans are approximate. Determine the exact mounting heights and locations of outlets in the field as shown on architectural details and equipment locations. Coordinate outlet locations with equipment, furniture plans, and with architectural elevation plans. Where mounting heights are not detailed or dimensioned, contact the owner's representative for direction.
- B. Prior to rough-in, coordinate final mounting heights of system outlet boxes in the field with owner's representative. Install boxes at heights as follows, to center of box, unless otherwise directed in field or otherwise noted on E-Series drawings or architectural plans. Height of boxes dimensioned from ceiling apply to rooms having ceiling 9'-0" or less. In rooms having higher ceilings, locate as directed by tenant's representative and / or architect Switches @ Counters 44" (match counter receptacle heights) Switches - Elsewhere 48" to top of outlet box 48" to top of outlet box Occupancy Sensors - Wallbox

Occupancy Sensors - Elsewhere	as recommended by manufacturer
Receptacles @ Counters	44" (field verify)
Receptacles - Elsewhere	18"
Circuit Breaker @ Panelboards	72" to top of panel unless otherwise noted
Fire Alarm Devices	80" to bottom of outlet box
Card Readers / Keypads	46"
Telephone Outlets - Desk	46"
Telephone Outlets - Elsewhere	18"
Data Outlets	18" to top of outlet box
Television Recentacles	As indicated on drawings

- 1.3 ELECTRICAL INSTALLATIONS
- A. Install conduits, wiring, and outlet box type work in finished areas shall be concealed in wall. Such work installed in unfinished areas may be exposed at the discretion of owner's representative. B. Verify dimensions by field measurements. Take measurements and be responsible for exact sizes and locations of openings required for the installation of work. Figured dimensions are reasonably accurate and
- should govern in setting out work. Where detailed method s not indicated or where variations exist between described work and approved practice, follow direction of the owner's representative. C. Provide branch sub-feeder circuits as shown on the plans. The symbols used to indicate the purpose of which the various outlets are intended are identified in the electrical legend. Where outlets are indicated by
- letters on plans, provide corresponding switches to control them. D. Provide no wire smaller than #12 for branch circuits unless otherwise noted on plans for control circuits Provide larger sizes where required by prevailing codes or indicated on contract documents. Provide neutral PART 2 - EXECUTION conductor for all multi-pole feeders, provide neutral conductors for all multi-pole feeders and branch circuits unless this contractor determines in field that the affected load(s) will never have need for a neutral conductor and NEC does not mandate otherwise.

1.4 COORDINATION

- A. Plans are diagrammatic indicating design intent and indicating required size, points of termination, suggested routes of raceways, etc.; however, it is not intended that the drawings indicate fully coordinated conduit routing, necessary offsets, etc. The drawings are an outline to indicate the approximate location and arrangement of ductwork piping equipment outlets raceways cables etc. Install piping conduit raceways, and cable assemblies, etc. as straight as possible as well as parallel and perpendicular with the architectural elements. Work in and on the building installed diagonal to building members is prohibited. B. Consult the plans of other trades before installing work. Coordinate work to be performed with other trades
- so as not to interfere with other trades. C. Participate in the coordination efforts in preparation of coordination drawings prior to fabrication or installation of equipment, materials, etc. Coordinate actual clearances of installed equipment. Coordinate exact location of electrical outlets, lighting fixtures, conduits, raceways, equipment, cable assemblies, applicable devices, etc. well in advance of installation so there will be no interference at installation between
- D. Ensure that work and working clearances in electrical rooms and similar spaces comply with NEC Article 110. This also applies to finalizing locations of disconnects, starters, contactors, and other electrically
- operated equipment that may require testing or maintenance while energized. E. Coordinate and correct conflicts in equipment and materials prior to installation. If a conflict cannot be resolved, refer the matter to the owner's representative for a final decision as to method and material.

1.5 IDENTIFICATION A. General

- 1. Submit manufacturer's data on electrical identification materials and products. Submit detailed nameplate schedule indicating proposed nomenclature, colors, text heights, fastening methods, etc. B. Cable and Conductor Identification
- 1. Provide manufacturer's standard vinyl-cloth self-adhesive conductor markers of wrap-around type, either 1.1 SECTION INCLUDES pre-numbered plastic coated type, or write-on type with clear plastic self-adhesive cover flap; numbered to show circuit identification on conductors. Provide color coded insulation for conductors. Provide color coded jackets for cables. Match color schemes with marking system used in submittals, contract documents, industry standards, etc. Apply cable / conductor identification on each cable in each box / enclosure / cabinet for cables that are not available with color coded insulation or jackets.
- 2. Use of the following insulation color code for power system and voltage identification. This applies to both feeder and branch circuit wiring. Do no interchange colors. The use of schoth color coding tapes for phase identification may be used on feeder cables only (#4 AWG and larger):
- a. 208Y / 120V System: black, red, blue, and white (neutral)
- b. Electronic Ground: green with yellow tracer (neutral) c. Equipment Grounding: green

C. Raceway Identification

- 1. Provide manufacturer's standard self-adhesive vinyl tape not less than 3 mils thick by 1-1/2" wide, unless otherwise noted or required by authority having jurisdiction. Provide black lettering on orange base with minimum 1/2" high lettering. As a minimum, neatly install markers at each and every entry point to rooms. Junction boxes, pull boxes, equipment connections, etc. do not install these markers on exposed raceways in finished areas that will be occupied
- D. Fire Alarm Systems
- 1. Provide permanent identification for boxes, enclosures, etc. that are associated with fire alarm system work. Paint and identify fire alarm system pull boxes, junction boxes, and other access / pull points (boxes and covers) in accordance with NEC / NFPA. Provide fire alarm system control panel equipment cabinets, enclosures, etc. with red mechanically fastened engraved nameplates with the first line of text to read "fire alarm" and the remaining lines to include the necessary descriptive text.
- 2. Electrical contractor shall be building management approved and will submit fire alarm design to the Fire PART 3 EXECUTION Marshal of the local fire department having jurisdiction for approval. The equipment supplier for this building shall be responsible for, and provide, a complete system design / shop drawings for the areas shown utilizing their devices with their specific knowledge and performance of their system and devices The suppliers shop drawings and design shall be coordinated with the local Fire Marshal and all current
- codes in the jurisdiction 3. Submit fire alarm drawings and submittals to tenant's construction manager for approval. END OF SECTION

SECTION 26 05 19 - ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 - GENERAL

1.1 GENERAL

- A. Provide wire and cable suitable for the temperature, conditions, and location where installed.
- A. Provide copper conductor material for wires and cables unless specifically indicated otherwise on one line diagrams on drawings. B. Conductor sizes indicated are based on copper unless specifically indicated otherwise on one line diagram on drawings.

damaged and where subject to corrosive action.

being protected within the respective conduit.

conductors with one-hole compression lugs.

SECTION 26 05 33 - RACEWAYS FOR ELECTRICAL SYSTEMS

Division 26 sections or on drawings.

which are separate from each other

throats are not readily available

C. Provide for the follow applications:

2.1 ELECTRICAL METALLIC TUBING (EMT)

Division 26.

conduit.

INDOOR BOXES

INSTALLATION

END OF SECTION

PART 1 - GENERAL

RELATED WORK

are provide

PART 2 - PRODUCTS

2.1 INSTALLATION

A. General

B. Do not install aluminum products in concrete.

SECTION 26 05 80 - MECHANICAL EQUIPMENT

A. Install electrical boxes in those locations that ensure accessibility to enclosed electrical wiring

general construction with relation to spaces and equipment surround each outlet, and neatly.

Consider the outlet, junction, and pull box locations indicated on drawings are approximate. Study the

data and coordinating with installing contractors to ensure the correct size, rating, and quantity of conductors

1. Provide disconnect switch ahead of all equipment, including controls, unless mechanical equipment

comes with integral NEC compliant disconnect(s). Provide NEMA 3R enclosures where installed

outdoors and where installed indoors in areas subject to moisture. Ground metal frames of equipment by

rovide the necessary electrical connections between the specified equipment and the junction box near

equipment with flexible metallic conduit (Liquid Tight outdoors) and matched connectors (See Section

connecting frames to the grounded metal raceway or to a full size green ground conductor or both.

26 05 33). Where mechanical equipment lugs cannot accommodate conductor sizes shown on

2. Sizes, electrical ratings, etc. of equipment and wiring shown on drawings are based on the respective

3. Prior to furnishing submittals and prior to rough-in, determine exact electrically related characteristics.

1. Coordinate in field with the respective trades and determine case by case, which equipment is factory

listed for use with heating and air conditioning rated (HACR) breakers. In an effort to minimize

loads, voltages, disconnect and starter requirements, locations, mounting heights, connection points,

requirements for stocking of fuses by the owner, utilize HACR breakers at the source panelboards as the

NEC required overcurrent protection wherever possible (in lieu of fusing local disconnect switches).

1 Locations of disconnects and starters shown on drawings are indicated for schematic purposes only.

Determine exact location in field in order to ensure they are compliant with NEC Article 110

1. Provide final power (wiring and raceway) and communications (raceway) connections to systems

2. Participate in required meetings to discuss and note any required modifications ot drawings.

3. Include actual layout, connection types / locations, wiring, fixture locations, etc. for systems furniture

Install pre-wired power wiring harnesses. Provide final connections at wall outlet boxes. For bidding

homeruns to the respective source panelboard. Field verify wiring harness specifics prior to

required for making clean final connections to wall outlet boxes).

or data service to the respective system furniture connection.

served, and final locations of system furniture.

purposed, wiring harnesses will be configured for three 120V/20A circuits: three phase conductors.

commencing with any related rough-in work. Provide wall plates for power wiring harnesses if not

5. Determine exact mounting heights and locations of electrical system outlets and "seal-tite" conduit

6. Provide permanent identification on wall plates indicating whether the outlet provides power, telephone,

furniture electrical components and install same in a level, plumb, and secure manner.

A. Provide labor, materials, tools, appliances, control hardware, sensor, wire, junction boxes, and equipment

B. Provide products supplied from a single manufacturer that has been continuously involved in manufacturing

C. Provide occupancy sensors for the entire project that are all made by the same manufacturer regardless of

D. Provide components that are UL Listed, offer a five year warranty and meet state and local applicable code

A. Basis of design manufacturer is Leviton or as stated on drawings. Other acceptable manufacturers are

Wattstopper, Lutron, Sensor Switch, and LC&D. If any of these acceptable manufacturers are used, ensure

control system regardless of where the materials are specified in Division 26 document

E. Provide products manufactured by an ISO 9002 certified manufacturing facility

the product meets the design intent and functionality of the design.

A. Ceiling Sensors: Provide standard of quality to Leviton or as indicated on drawings.

B. Power and Auxiliary Packs: Provide standard of guality of Leviton or as indicated on drawings.

C. Dual Technology Sensors: Provide sensors that are either wall mounted, corner mounted, or ceiling

where the materials are specified in Division 26 documents. Provide components that are all made by the

same manufacturer in cases where occupancy sensor components are also connected to a building lighting

necessary for and incidental to the delivery, installation, and furnishing of completely operational occupancy

7. Use manufacturer's recommended tools and installation procedures for connecting and installing system

three neutral conductors, and one equipment around conductor. Include each of these conductors in the

already supplied with the factory harnesses (single-gang and engraved with straight 90 degree fittings as

fitting types (straight, 90 degree, etc.) in the field with relation to architectural detail, equipment being

equipment design by the manufacturers. If different manufacturer(s) or model(s) are actually supplied,

provide necessary coordination in field (prior to ordering materials and prior to rough-in) and provide the

drawings, provide ILSCO Cleartap insulated multi-tap connectors.

ecessary size of related electrical equipment, wiring, conduit, etc.

etc. of mechanical equipment.

C. Disconnect Switch and Starter Locations

Requirements for Panelboards

SECTION 26 05 90 - MISCELLANEOUS SPECIALTIES

work in record drawings.

A. Pre-wired System Furniture

furniture.

B. HACR Breakers

END OF SECTION

PART 1 - GENERAL

1.1 RELATED WORK

END OF SECTION

PART 1 - GENERAL

1.1 RELATED WORK

reauirements.

PART 2 - SPECIFIC REQUIREMENTS

2 PRODUCTS

ACCEPTABLE MANUFACTURERS

SECTION 26 09 23 - OCCUPANCY SENSORS

sensor lighting controls as described.

of occupancy sensors for a minim of five years.

duct raceway system.

END OF SECTION

PART 1 - GENERAL

PART 2 - PRODUCTS

RELATED WORK

C. Provide minimum #12 AWG conductor size.

#10

- D. Stranded or solid conductors may be used for type MC cable conductors that are #10 AWG or less where permitted by codes and authority having jurisdiction. Provide stranded conductors for all other applications. E. Provide the following minimum wire sizes based on distances from panel to first device of a 15 or 20 amp general lighting or receptacle branch circuit. In addition to upsizing conductors as required for voltage drop provide minimum #10 AWG conductors to the last device for branch circuits more than 150 feet in length.
- Distance AWG Wire Size 1'-0" - 60'-0" #12
- 61'-0" 90'-0"
- 91'-0" 150'-0" 151'-0" - 240'-0"
- F. Provide conductor insulation rated at 600 VAC and 90 degrees Celsius. Provide THHN / THWN insulation for conductors size 500 KCMIL and larger, and for conductors #8 AWG and smaller. Provide THW or THHN/THWN insulation for other sizes as appropriate for the locations where installed
- G. Provide dedicated parity sized grounded (neutral) conductor for each branch circuit phase conductor fed from 15 and 20 ampere branch circuit breakers
- H. Provide grounded (neutral) conductor(s) for all multi-pole feeders unless otherwise indicated on power distribution one line diagram.
- Provide grounded (neutral) conductor(s) for all multi-pole branch circuits.
- A. Provide type AC / MC cables that are minimum 90 degrees Celsius rated, with components and fittings listed 2.2 STEEL RIGID METAL CONDUIT (RMC) for grounding and compliant with the following: 1. UL Standard 4 and UL Standard 83
- 2. ANSI E119 and E814

1.3 TYPE AC / MC CABLES

- 3. NEC Articles 250 and 333.
- B. Provide cable formed from continuous length of spirally wound, interlocked zinc-coated or galvanized (inside and outside) strip steel. Provide cables with full parity sized green insulated equipment ground conductor. C. Provide compatible steel fittings with integral red plastic insulated throat bushings, compliant with NEC
- D. Type AC / MC cable may be utilized only if NEC approved and if approved by the authority having jurisdiction END OF SECTION
- and if included in the limited applications defined below: 1. Provide for new 15 through 20 ampere branch circuit work. This applies only under all of the following circumstances and conditions: PART 1 - GENERAL
- a. Provide only where concealed (install wiring for exposed applications in raceway).
- b. Route cables perpendicular and parallel to the building architectural elements and structural members, keeping offsets to a minimum and following surface contours where possible. Maintain a uniform elevation for cable runs wherever possible. Support and anchor cables at minimum 4'-0" intervals and within 12" of box or outlet in a manner that prevents sagging. Install cables in a manner that prevents overheating. Fasten cables directly to the structure using factory clamps and clips specifically designed for the respective cable. PART 2 - EXECUTION
- c. For exposed runs of cables down walls to surface mounted panelboards. Provide partition chase walls (constructed in a manner approved by architect), or within appropriately sized steel wireway(s), or within a custom fabricated heavy gauge painted sheet metal chase approved in advance by the engineer. Install in a manner that fully conceals cables, prevents overheating of cables, and is approved by authority having jurisdiction.
- d. Provide only where installed for normal utility circuits. Install wiring for emergency system circuits in steel conduits, no exceptions. PART 2 - EXECUTION

2.1 INSTALLATION

- A. Provide ungrounded (neutral) conductor in all lighting control device (switch, dimmer, occupancy senso etc.) wall outlet boxes, even if not immediately used B. Connect wires #6 AWG and larger to panels and apparatus by means of approved lugs or connectors large
- enough to enclose all strands of the conductors, provide solderless type connectors C. Provide factory splice kits (UL approved for submersion in water and direct burial) for wire splicing in

outdoor grade or slab on grade junction boxes.

END OF SECTION

SECTION 26 05 21 - ELECTRICAL CONNECTIONS PART 1 - GENERAL

1.1 RELATED WORK

- A. Electrical connections include connections used for providing electrical power, control and monitoring to equipment, luminaires, and devices. Refer to sections of other divisions and to drawings of other trades for specific for electrical characteristics of equipment specified under respective divisions.
- 1.2 MATERIALS AND COMPONENTS
- A. Provide complete assembly of materials for each type of required electrical connections, including but not limited to, pressure connectors, terminal (lugs), electrical insulating tape, heat-shrinkable insulating tubing, cable ties solderless wireputs and other items and accessories as needed to complete splices and terminations of types indicated. B. Unless otherwise indicated, provide wires / cables (conductors) for electrical connections that match size
- conductivity of not less than 98% at 90 degrees Celsius. C. Provide electrical connectors and terminals that mate and match, including sizes and ratings, with
- equipment terminals, and that are recommended by equipment manufacturer for intended applications. D. Provide electrical insulating tape, heat-shrinkable insulating tubing and boots, wirenuts, cable ties, etc. as recommended for use by accessories manufacturers for intended applications.

- 2.1 INSTALLATION A. Connect electrical power supply conductors to equipment conductors in accordance with equipment manufacturer's written instructions and wiring diagrams, mate and match conductors of electrical connections for proper interface between electrical power supplies and installed equipment. Cover splices with electrical insulating material to achieve insulation at least 100% in excess of electrical insulation rating
- of those conductors being spliced. Prepare cables and wires by cutting and stripping covering armor, jacket, and insulation properly to ensure uniform and heat appearance where cables and wires are terminated. Exercise care to avoid cutting through tapes which will remain on conductors. Do no "ring" coppery conductors while skinning wire. B There may be cases where circuit or feeder conductor sizes are too large or too small to fit into the lugs normally supplied with the end-use equipment. Due to circumstances such as increasing conductor sizes to
- offset voltage drop, unusual breaker frame sizes, etc., provide appropriate factory lug kits for affected equipment if recommended by manufacturer, otherwise, provide insulated butt-splices with tails sized to fit respective lugs. C. Ground metal frames of portable and stationary direct-wired electrically operated equipment by connecting
- frames to the circuit equipment ground conductor and to grounded metal raceway. Provide necessary electrical connections between the specified equipment and junction boxes, disconnect switches, and starts near equipment with flexible metallic conduit and matched connectors. Do not expose flexible conduit in finished areas. D. Connect electrical equipment furnished under this scope of work and by the owner. Review documents of
- other trades to identify electrically operated / controlled equipment that is furnished or installed by the owner or by other trades. Provide power connections and local disconnects (if required) for all electrically operated equipment. Provide control wiring as required to ensure a fully operational equipment unless otherwise noted on drawings. Coordinate exact requirements of all equipment in the field with equipment vendor and END OF SECTION

SECTION 26 05 26 - GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS PART 1 - GENERAL

- A. This section includes ground and bonding requirements for electrical and telecommunications systems, circuits, and equipment. B. Provide the following minimum requirements for grounding:
- 1. NFPA components and installation shall comply with NFPA 70, NEC
- 2. UL comply with UL 467, "Grounding and Bonding Equipment" 3. ANSI/TIA/EIA-607, "Commercial Building Grounding and Bonding Requirements for
- Telecommunications PART 2 - PRODUCTS

2.1 MATERIALS

3.1 INSTALLATION

- A. Subject to compliance with requirement, provide grounding and bonding product manufacturers of the installer's choice unless otherwise noted
- B. Except as noted on the drawings, provide copper electrical ground and bonding systems and materials with assembly of materials including but not limited to cables / wires, connectors, solderless lug terminals, grounding and plate electrodes, bonding jumper braid, and additional accessories needed for a complete installation. Where materials or components are not indicated, provide products that comply with NEC, UL, and IEEE requirements, and with established industry standards for those applications indicated, utilize compatible metallic materials throughout system to eliminate galvanic action.

C. Provide steel grounding electrodes with copper welded exterior, and 3/4" diameter by 10'-0" length. Provide

2), sized for cables as necessary to fulfill project grounding requirements, provide copper ground plates

where ground rods cannot be used. Provide connection to ground electrodes at a point not less than 1'-0"

below grade level and not less than 2'-0" away from footings and foundations. Weld grounding conductors

to underground grounding electrodes where mechanical connections cannot, or should not, be utilized.

A. Terminate feeder and branch circuit insulated equipment grounding conductors with ground lug, bus, or

B. Install clamp-on connectors on clean metal contact surfaces to ensure electrical conductivity and circuit

C. Provide corrosion resistant finish to field connections where factory applied protective coatings have been

straightest paths as possible to minimize transient voltage rises.

bushing. Route grounding connections and conductors to ground and protective devices in shortest and

sheet copper plate electrodes that are 20 gauge by 36" by 36", with cable attachments (minimum quantity of

mounted in such a way as to minimize coverage in unwanted areas. Dual technology shall be passive infrared and ultrasonic D. Route ground conductors used for bonding in protective conduit sleeves. Provide both ends of these conduit sleeves with ground bushings and bond ground bushings to enclosures and ground terminations at both D. General Standards ends using jumpers. Size ground jumper conductors the same as the respective ground conductor that is 1. Provide sensors capable of operating normally with electronic ballasts, PL lamps, rated motor loads, and LED drivers. E. Provide corrosion resistant finish to buried metallic grounding and bonding products. 2. Provide sensors with coverage that remains constant after sensitivity control has been set. Automatic F. Terminate ground electrode conductors with two-hole compression lugs, terminate bonding jumper reduction in coverage due to the cycling of air conditioner or heating fans is not permitted. Provide sensors with readily accessible, user adjustable settings for the time delay and sensitivity Locate setting on the sensor (not the control unit) and recess to limit tampering. 4. Provide bypass manual override on each sensor to accommodate failures. Configure so that when bypass is utilized, lighting remains on constantly or control diverts to a wall switch until sensor is replaces. Recess this control to prevent tampering. 5. Provide sensors with an LED as a visual means of indication at all times to verify that motion is being A. Install wire in raceway / conduit (sized per NEC) unless specifically permitted otherwise elsewhere in detected during both testing and normal operation. 6. Where specified, provide sensor with internal additional isolated relay with normally open, normally B. Install wiring for different power voltages in raceway system separate from each other. closed, and common outputs for use with HVAC control, data logging, and other control options. Do not C. Install wiring, with the exception of voice and data, for the various electrical systems in raceway systems, use sensors that utilize separate components or specially modified units to achieve this function. 7. Provide sensors with UL Rated, 94V-0 plastic enclosures. D. Do not install conduits within slabs unless specifically noted on drawings or unless part of an underfloor PART 3 - EXECUTION E. Do not install conduits beneath slab on grade, except where specifically indicated otherwise on drawings or unless special case by case permission is obtained from owner's representative in the field. INSTALLATION F. Provide steel conduit and steel fittings for indoor above slab applications as specified in this section. A. Provide grounded (neutral) conductor in all lighting control device (switch, dimmer, occupancy sensor, etc.) G. Provide conduit fittings with insulated throats, or plastic bushings for conduits 2" and larger where insulated wall outlet boxes, even if not immediately used B. Locate and aim sensors in the correct location required for complete and proper volumetric coverage within H. Provide maximum of 40% fill for raceways or a threshold of less as required by NEC. the range of coverage(s) of controlled areas per the manufacturer's recommendations. Provide 90 to 100% coverage in rooms to completely cover the controlled area to accommodate all occupancy habits of single or multiple occupants at any location within the rooms. The locations and quantities of sensors shown on the drawings are diagrammatic and indicate only the rooms which are to be provided with sensors. Provide additional sensors if required to properly and completely cover the respective rooms. A. Provide galvanized or zinc coated steel EMT compliant with FS WW-C-563, ANSI C80.3, and UL797. END OF SECTION B. Provide EMT for above grade conduit, except where indicated otherwise on drawings or elsewhere within SECTION 26 24 16 - PANELBOARDS PART 1 - EXECUTION 1.1 INSTALLATION A. Provide rigid steel, heavy wall, full weight, zinc-coated, threaded type (galvanized after cutting / threading) conduit conforming to ANSI C80.1 and UL 6. Provide zinc coating fused to inside and outside walls of A Provide neatly typewritten circuit directory card for each papelbaord upon completion of the installation work Include accurate description of load and destination. Turn off all breakers that become "spare" during build B. Provide galvanized or zinc coated steel threaded fittings. END OF SECTION 1. Conduit installed embedded in concrete or masonry SECTION 26 27 26 - WIRING DEVICES 2. Conduits (grounded) that turn up from below grade or below slab, excluding the 90 degree fittings that PART 1 - GENERAL onnect to horizontal conduits below grade or slab. 1.1 RELATED SECTIONS SECTION 26 05 34 - BOXES AND FITTINGS FOR ELECTRICAL SYSTEMS A. See Section 26 00 02 for special identification related documents B. See Section 26 05 34 for damp and wet location coverplate requirements. 1.2 SUMMARY A. Provide minimum size of 4" square by 1-1/2" deep for outlet boxes and junction boxes. Provide outlet box A. Provide wiring devices in types, characteristics, grades, colors, and electrical ratings for applications indicated which are UL Listed and which comply with NEMA WD 1 and other applicable UL and NEMA accessories as required for each installation including box supports, mounting ears and brackets, wallboard hangers, box extension rings, fixture studs, cable clamps, and metal straps for supporting outlet boxes which Standards. Verify color selections with owner's representative are compatible with outlet boxes being used to fulfill installation requirements for individual wiring PART 2 - PRODUCTS ituations. Provide with stainless steel nuts, bolts, screws, and washers. 2.1 ACCEPTABLE MANUFACTURERS

A. The following are approved manufacturers but are subject to project compliance: Leviton, Hubbell, Coope Dimmers: Leviton, Lutron, Hubbell Leviton, Hubbell, Coope Receptacles: Wall Plates: Leviton, Hubbell, Coope

2.2 WIRING DEVICE COLORS A. Unless specifically indicated on the drawings or directed in the field by owner's representative, provide white colors for normal utility wiring devices.

A. Provide all necessary electrically related work as required to render all mechanical equipment (including 2.3 SWITCHES plumbing, heating, ventilating, and air conditioning equipment) fully operational and fully compliant with NEC. This includes, prior to ordering materials or commencing rough-in, reviewing equipment submittal

A. Wall Switches: Provide wall switches that are flush self-grounding with green ground screw and color codes cover, snap toggle type, back and side wired, specification grade. Provide wall switches rated 20A. 120/277V, 1 HP 12 120V A.C. quite type where locking type switches are indicated, provide same as below except with "L" suffix (provide six keys). Catalog numbers below are based on Leviton: Single-pole, Toggle: Leviton 1221-2 Series or equal

Double-pole, Toggle:	Leviton 1222-2 Series or equal
3-Way, Toggle:	Leviton 1223-2 Series or equal
4-Way, Toggle:	Leviton 1224-2 Series or equal

2.4 SPECIFICATION GRADE RECEPTACLES

- A. Standard specification grade duplex / single receptacles Provide duplex and single specification grade receptacles, 2-pole, 3-wire grounding, self-ground, green ground screw, ground terminals, and poles internally connected to mounting yoke, color coded base 20-amperes, 125 Volts, with metal plaster ears, back and side wiring, NEMA configuration 5-20R.
- 2. Provide duplex receptacles equal to Leviton #5362 Series. For receptacle circuits protected with 15A breakers, provide NEMA 5-15R equivalents. Provide receptacles equal to Leviton #5361 Series for single applications. Provide clock hanger receptacles equal to Leviton #5361-Ch B. Ground-Fault Interrupter Specification Grade Receptacles
- 1. Provide self-grounding commercial specification grade duplex receptacles, ground fault circuit interrupters; feed-thru type, capable of protecting connected downstream receptacles on single circuit, grounding type UL-Rated 943, Class A, Group 1, specification grade, 20-amperes rating (device & feed-thru), 125-volts, 60 hz; with solid stat ground fault sensing and signaling (maximum threshold of 5mA at 0.025 seconds maximum). Equip with 20-ampere plug configuration, NEMA 5-20R.
- 2. Provide ground fault circuit interrupter duplex receptacles equal to Leviton #8898 Series. For receptacle circuits protected with 15A breakers, provide NEMA 5-15B equivalents. 3. Receptacles indicated as GFI may be GFI protected by an upstream GFI receptacle on the same circuit
- only if located in the same room. Otherwise provide a separate GFI receptacle for each one shown. Where GFI protected receptacles are shown on drawings, provide a separate GFI receptacle for each one shown Do not feed downstream receptacles from load-side (GFL protected) terminals of unstream
- 5. Provide weather resistant receptacles with UL "WR" marking compliant with NEC 406.8 for all applications in wet or damp locations.

2.5 WIRING DEVICE ACCESSORIES A. Wall Plates

- 1. Provide single and combination of types, sizes, and with ganging and cutouts as required to accommodate each application. Provide plates which mate and match with wiring devices to which attached. Provide metal screws for securing plates to devices with screw heads colored to match finish of plates. Provide wall plate color to match wiring devices unless specifically indicated otherwise. 2. Provide standard size wall plates. Do not provide "Midway", "Oversized" / "Jumbo", or "Extra Deep'
- wall plates. 3. Provide galvanized steel wall plates in unfinished exposed conduit areas
- 4. Provide commercial grade, white finish wall plates in finished areas with beveled edges, unless otherwise specified on drawings.
- 5. Provide commercial specification grade thermoplastic wall plates in finished areas.
- 6. Provide receptacle wall plates with adhesive label identification of source panel and circuit number. Provide black lettering (1/4" high), and transparent background. Provide labels and lettering that are impervious to normal surrounding ambient heat and light. Install labels perfectly level / plumb. Utilize material that renders a virtually permanent adhesion but can be removed with a razor blade.

3.1 INSTALLATION

PART 3 - EXECUTION

- A. Provided grounded (neutral) conductor in all lighting control device (switch, dimmer, occupancy sensor, etc.) wall outlet boxes, even if not immediately used.
- B. Install receptacles so that the ground pin is oriented in a consistent manner throughout the facility, so that the orientation is compliant with all prevailing codes and regulations and the orientation is acceptable to the electrical inspector.
- C. Install wiring devices only in electrical boxes that are clean, free from building materials, dirt, and debris. Install wiring devices after wiring work is completed. Install wall plates only after respective wall surfaces have received their final finish.
- D. Prior to energizing circuits, test wiring for electrical continuity and for short-circuits. Ensure proper polarity and ground of connections is maintained. Subsequent to energizing, test wiring devices and demonstrate compliance with requirements, operating each operable device at least six times. Test ground fault circuit interrupter operation with both local and remote fault simulations in accordance with manufacture

END OF SECTION SECTION 26 27 30 - FLOOR BOXES

PART 1 - GENERAL

1.1 RELATED SECTIONS

A. See Section 26 27 26 for wiring devices and cover plates, provide wiring devices in floor boxes as required to fulfill respective application

1.2 DESCRIPTION OF WORK

- A. Provide electrical floor devices (boxes / outlets) specified in this section including the following types: Poke-thru floor outlets 2. Floor outlet accessories
- B. Meet with architect before making final room-by-room catalog number selections for cover plates to ensure compatibility with room finished (for example, height and color of carpet edging, special floor finishes, etc.).
- C. Meet with telecommunication system installers before making final box catalog number selections for the internal mounting bracket assemblies to ensure compatibility with outlet functions

D. Make exact catalog selection based on type of floor structure in the respective room and based on type of final floor finish in the respective room. Coordinate with architectural drawings and architect as required to make proper selections, including selection of brass vs. aluminum flanges.

2.1 MANUFACTURERS

PART 2 - PRODUCTS

- A. Provide receptacles by Wiremold (subject to compliance with requirements).
- 2.2 POKE-THROUGH FLOOR OUTLETS A. Flush poke-through with flush activation
 - 1. Provide poke-through units by Wiremold as applicable. 2. Provide factory power pre-wired poke-through units suitable for power work or suitable for
 - communication work, or suitable for both. 3. Provide minimum UL Fire resistance rating of 3 hours.
 - 4. Provide integral fire-stop with cold smoke barrier to prevent passage of smoke where heat is not present. 5. Provide units with through-floor conduit of proper length for floor thickness indicated and junction box which is self-supporting without attachment of above floor fitting.
 - 6. Provide units with gaskets.
 - 7. Provide units with carpet flange and cover assembly. 8. Provide units with necessary accessories for a complete operable installation
- PART 3 EXECUTION

INSTALLATIO

- A. Provide factory plates, adapters, inserts, extensions, nipples, flanges, mudcaps, rings, conversion kits, etc. Accessories as required for complete working units for each application. B. Do not scale floor outlet locations from drawings.
- c. Consider locations indicated on the drawings as approximate. Determine exact locations of each floor outlet, case by case, after consulting with owner and architect and after reviewing architectural documents so outlets are properly located to accommodate the final furniture and equipment layouts. Study the general construction with relation to spaces and equipment surrounding each outlet.
- D. Provide sealed knockout closures to cap unused knockout holes where blanks have been removed. Install outlets in locations that ensure ready accessibility to enclosed electrical wiring. E. Do not use aluminum products in concrete.
- F. Fasten electrical boxes firmly and rigidly to substrates, or structural surfaces to which attached or solidly embed electrical boxes in concrete or masonry. Support boxes independent of conduit. G. Set floor boxes so that the finished product is level and flush with finish flooring material. END OF SECTION

SECTION 26 51 13 - LUMINAIRES

PART 1 - GENERAL

1.1 RELATED WORK Provide luminaires as indicated on drawings.

PART 2 - PRODUCTS

- 2.1 MANUFACTURERS A. Subject to compliance with requirements, provide products by manufacturers listed on the drawings / luminaire schedule
- B. Review drawings and specifications of other trades to verify ceiling types, modules, suspensions system appropriate to installation.
- C If a particular submittal does not include basis of design manufacturer or model number, provide "approved equal" manufacturers and model numbers compliant with and equivalent to quality, performance. dimensions, and aesthetics as the respective basis of design.

2.2 MATERIALS A. Luminaires

- 1. Luminaires designated by letters are defined as indicated on the luminaire schedule or legend. 2. Provide luminaires, lamps, ballasts, and accessories with UL Listing and labeling for their specific application for this project.
- 3. Provide luminaires, of sizes, types, and ratings indicated; complete with, but not limited to, housings energy-efficient lamps, lamp holders, reflectors, energy efficient ballasts, starters, and wiring. Ship luminaires factory assembled with components required for a complete operating installation. B. Recessed Luminaires
- . Provide recessed luminaires with necessary gypsum board, plaster frames, and surface trim. 2. Provide UL Approved (Listed and Labeled) thermal protection per latest edition of NFPA / NEC for recess mounted luminaires

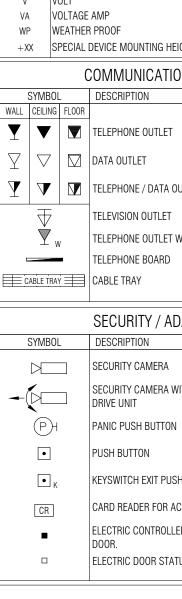
PART 3 - EXECUTION

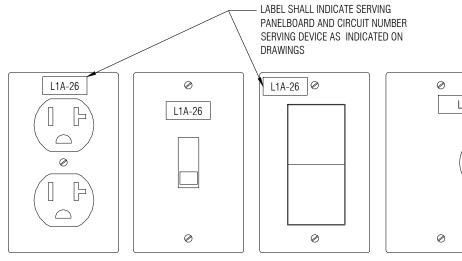
3.1 INSTALLATION

END OF SECTION

- A. Install flush mounted luminaires properly to eliminate light leakage between luminaire frame and finished B. Provide type AC / MC cable or wiring in minimum ½" diameter flexible metal conduit (with full parity sized areen insulated equipment around wire) for "drops" from building wiring system junction boxes to suspended ceiling mounted luminaires. Limit the length of these "drops" to 72". Install "drops" to
- luminaires in gypsum board and similar inaccessible ceiling system from identified accessible junction C. Connect the following ahead of switching and other controls as applicable: exit signs, nigh-lights, switch bypass devices, generator transfer (and similar) devices, emergency battery ballasts, and luminaires utilized
- for emergency egress lighting. The only exceptions to this are photocell only controls for outdoor emergency egress luminaires. D. Fasten electrical luminaires and brackets securely to structural supports. Install luminaires level and plumb.







TYPICAL DEVICE COVERPLATE IDENTIFICATION

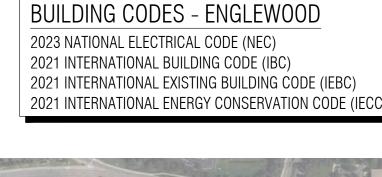
- SCALE: NOT TO SCALE
- 1. LABELS SHALL INDICATE SERVING BRANCH CIRCUIT PANELBOARD AS NOTED ON THE DRAWINGS AS WELL AS BRANCH CIRCUIT SERVING
- DEVICE. EX. "L1A-26" INDICATES PANEL L1A, CIRCUIT 26. LABELS SHALL BE SELF-ADHESIVE TYPE, DYMO LABELS OR APPROVED EQUAL WITH MIN. 1/8" HIGH LETTERS VERIFY WITH BUILDING
- ENGINEER WHICH OF THE ABOVE PRACTICES IS ACCEPTABLE.
- PROVIDE BUILDING STANDARD DEVICES UNLESS OTHERWISE DIRECTED BY ARCHITECT, DEVICES ARE SHOWN AS EXAMPLES ONLY.

- WALL CEILING FLOOR V V TELEPHONE / DATA C
- NIC NOT IN CONTRACT P POWER R, (R) RELOCATED T/D TELECOMMUNICATION / DATA UC UNDER COUNTER UF UNDER FLOOR UF UNDER FLOOR V VOLT

						CTRICAL LEGEND			
NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THESE DRAWINGS - NOTES ON DRAWINGS SUPERCEDE THIS INFORMATION									
SYMBO	DL	GENERAL DESCRIPTION		SYMBO)L	POWER		SYMBOL	LIGHTING
		EXISTING CIRCUITRY TO BE REMOVED / REUSED			G FLOOR			THER WALL	
		EXISTING CIRCUITRY TO REMAIN	\square				F F	어 H어	STRIP LIGHT
	<u> </u>	NEW CIRCUITRY EXISTING DEVICE TO BE REMOVED / REUSED	₽						WRAPAROUND
		EXISTING DEVICE TO REMAIN	\mathbf{P}			SPECIAL PURPOSE OUTLET			RECESSED MOUNTED
		NEW / RELOCATED DEVICE				JUNCTION BOX (J-BOX)		0	SURFACE MOUNTED
	~	INDICATES DEVICE TYPE / SPECIFICATION / DESIGNATION	● ●	0 0	0	DEDICATED 20A. DUPLEX RECEPTACLE DEDICATED 20A. FOURPLEX RECEPTACLE		• <u> </u>	DIRECT / INDIRECT
• •		CIRCUIT DESIGNATION	Ϋ́	U ∎f		POWER POLE			PARABOLIC
		NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS				SURFACE MOUNTED MULTI OUTLET ASSEMBLY			
	\triangleleft	ISOLATED GROUND CIRCUIT DESIGNATION				- WIREMOLD			DOWNLIGHTS DIRECTIONAL WALL WASHER / ADJUSTABLE
		CIRCUITING - RUN CONCEALED IN WALL OR CEILING		— PM		SURFACE MOUNTED MULTI OUTLET ASSEMBLY - PLUGMOLD			DOWNLIGHT
		CIRCUITING - RUN CONCEALED IN FLOOR OR	WALL		FLOOR	FURNITURE SYSTEM JUNCTION BOXES P = POWER T/D = TELE/DATA		PQ_{Δ}	WALL SCONCES INTERIOR / EXTERIOR
-		GRADE CONDUIT RISER - UP/DOWN	P	T/D	P T/D				PENDANT LIGHT TRACK LIGHT
-	\neg	CIRCUITING - CONTINUED AS DESIGNATED		BP ()	BLANK PLATE / COVER PLATE		₩ E	KEY LESS
		CIRCUITING - END CAP		Τ		TRANSFORMER			POLE MOUNTED LIGHTS
····	LV	LOW VOLTAGE CIRCUITRY	SURFA	CE R	ECESSED				BATTERY PACK EGRESS LIGHTS
#		REVISION DELTA				ELECTRICAL PANEL		≥ ⊗ 1⊗⊨	BATTERY PACK EXIT LIGHTS DIRECTIONAL ARROWS
	<u>`</u>	REVISION CLOUD		\bigcirc		MOTOR		4 ,*	COMBINATION OF BATTERY PACK EXIT /
	#>	DETAIL NOTES		\boxtimes		STARTER		\otimes	EGRESS LIGHT
	~					DISCONNECT-RATED FOR USE		(EM)	BATTERY PACK EXTERIOR EGRESS LIGHT. EGRESS ILLUMINATION SHALL CONFORM
	⊭] ⊕	EQUIPMENT		\$ ST	0	THERMAL OVERLOAD SWITCH		₹ (EM)	WITH IBC SECTION 2006. ENSURE 90 MINUTE BATTERY BACK UP.
		ABBREVIATIONS		\$ [©])	DISPOSER WITH SWITCH	[SHADED LUMINAIRES INDICATES
	DESCRIF	PTION		TS		TEMPERATURE SENSOR / ROOM SENSOR			CONNECTION TO EMERGENCY CIRCUIT, NON-SWITCHED CIRCUIT, OR 90-MINUITES
AC A	ABOVE C			C02		CO2 SENSOR			SELF-CONTAINED BATTERY PACK
AFF	ABOVE FI	lt circuit interrupter Nished Floor		\bigcirc		COMBINATION FIRE / SMOKE DAMPER		\$	SINGLE POLE SWITCH
1 1	ALUMINU COPPER	Μ				FIRE SMOKE DAMPER SMOKE DAMPER		(X)	INDICATES SWITCHING DESIGNATION TO
E, (E) [EXISTING	ICY POWER OFF		\ominus		CODE		\$ x	3=3-WAY, 4=4-WAY, K=KEYED, P=PILOT, VS=VARIABLE SPEED, TO=THERMAL
	FULL LOA		(1-1	<u>ר ה</u>	5/500 - GPM	 MAXIMUM PRIMARY CFM / FAN CFM 			OVERLOAD, T=TIMER, UP/DN=UP AND DOWN, LV=LOW VOLTAGE, TO=THERMAL
		FAULT CIRCUIT INTERRUPTER FAULT PROTECTION OF EQUIPMENT		_/ 0.0				0	OVERLOAD
GND	GROUND					CODE		$\Psi\Psi$	DUAL LEVEL SWITCH
1 1	HORSEPC SOLATED)WER) GROUND		\ _		MAXIMUM CFM		OS	WALL MOUNTED OCCUPANCY SENSOR
1 1	kilo wat Low vol'		<u></u>	27 \ _	1.5	MAXIMUM CFM		OSD	WALL MOUNTED OCCUPANCY SENSOR W/ DIMMERS
MCA I	MINIMUN	I CIRCUIT AMPS	+	-XX		SPECIAL DEVICE MOUNTING HEIGHT AFF			CLG MOUNTED OCCUPANCY SENSOR
	NEW NATIONAL	L ELECTRICAL CODE				ONE LINE		OS	WITH OVERRIDE SWITCH ON THE WALL
NIC NOT IN CONTRACT		;	SYMBO)L	DESCRIPTION		DS	CLG MOUNTED DAYLIGHT SENSOR	
P POWER R, (R) RELOCATED					PP	POWER PACK FOR OCCUPANCY / DAY LIGHT SENSOR			
· · ·	Telecon Under C	IMUNICATION / DATA OLINTER				PANEL BOARD		D	DIMMER SWITCH
UF l	UNDER FL	LOOR		Т]	PAD MOUNTED TRANSFORMER			EGRESS NIGHT LIGHT ON NON-SWITCHED
1 1	UNDER FL VOLT	LOOR		- <u>-</u> \				(EM) (NL)	CIRCUITRY
	VOLTAGE WEATHEF				\sim	TRANSFORMER			CEILING MOUNTED FAN
		DEVICE MOUNTING HEIGHT AFF	C/			CURRENT TRANSFORMER	SF	F LIGHTING PLA	N SHEET FOR ADDITIONAL INFORMATION
	(COMMUNICATIONS	Ē						FIRE ALARM
SYMB0	1	DESCRIPTION			$(^{\circ}_{\circ}$	EMERGENCY GENERATOR		SYMBOL	DESCRIPTION
WALL CEILING	G FLOOR	TELEPHONE OUTLET		000		AUTOMATIC TRANSFER SWITCH		X	REMOTE INDICATING LIGHT
					D	METERS		Г S	TAMPER SWITCH FOR OPEN STEM & YOKE
$ \Upsilon \nabla$		DATA OUTLET		F		DISCONNECT SWITCHES		ш S	FLOW SWITCH
VY		TELEPHONE / DATA OUTLET			ľ	DISCONNECT SWITCHES			DOOR CLOSER
		TELEVISION OUTLET	لم	لے	Ø			-XH	STROBE
	W	TELEPHONE OUTLET WALL + 54"	7	ē7	7	CIRCUIT SWITCHES		FACP	FIRE ALARM CONTROL PANEL ANNUNCIATOR
		TELEPHONE BOARD CABLE TRAY		•	י 125			S	SPEAKER
			ó		.	CIRCUIT BREAKERS		ر ا	FIREMANS PHONE JACK
		SECURITY / ADA		<u> </u>	_	GROUNDING CONNECTION		•	SMOKE DETECTOR
SYMBO	DL	DESCRIPTION	() (M.	-] 加	OVERHEADS - 3 WIRE, 4 WIRE		● _T	THERMAL DETECTOR
		SECURITY CAMERA		クミ	″∕ ∩.				HORN
		SECURITY CAMERA WITH PAN-TILT ZOOM DRIVE UNIT) С	×,	MOTOR			HORN/STROBE
P	4	PANIC PUSH BUTTON		, 					BREAKGLASS STATION, PULLSTATION
•		PUSH BUTTON	#	#		FAULT CURRENT VALUE TAG		=	DUCT DETECTOR
•	к	KEYSWITCH EXIT PUSHBUTTON		$^{\circ}$	#	FEEDER TAG			MISCELLANEOUS
CR		CARD READER FOR ACCESS CONTROL						SYMBOL	DESCRIPTION
	I	ELECTRIC CONTROLLED AND MONITORED	' <i>41144</i>			ED AREAS INDICATE EXISTING TO BE REMOVED. ED LINES INDICATE EXISTING TO REMAIN U.O.N.			CHIME
		DOOR. ELECTRIC DOOR STATUS INDICATOR DEVICE			— SOLIE	LINES INDICATE NEW EQUIPMENT		$(\!$	VOLUME
					- HIDDI	EN LINES INDICATE FUTURE EQUIPMENT.			CEILING BOX



L1A-26,28,30,32





VICINITY MAP

SCALE: NOT TO SCALE

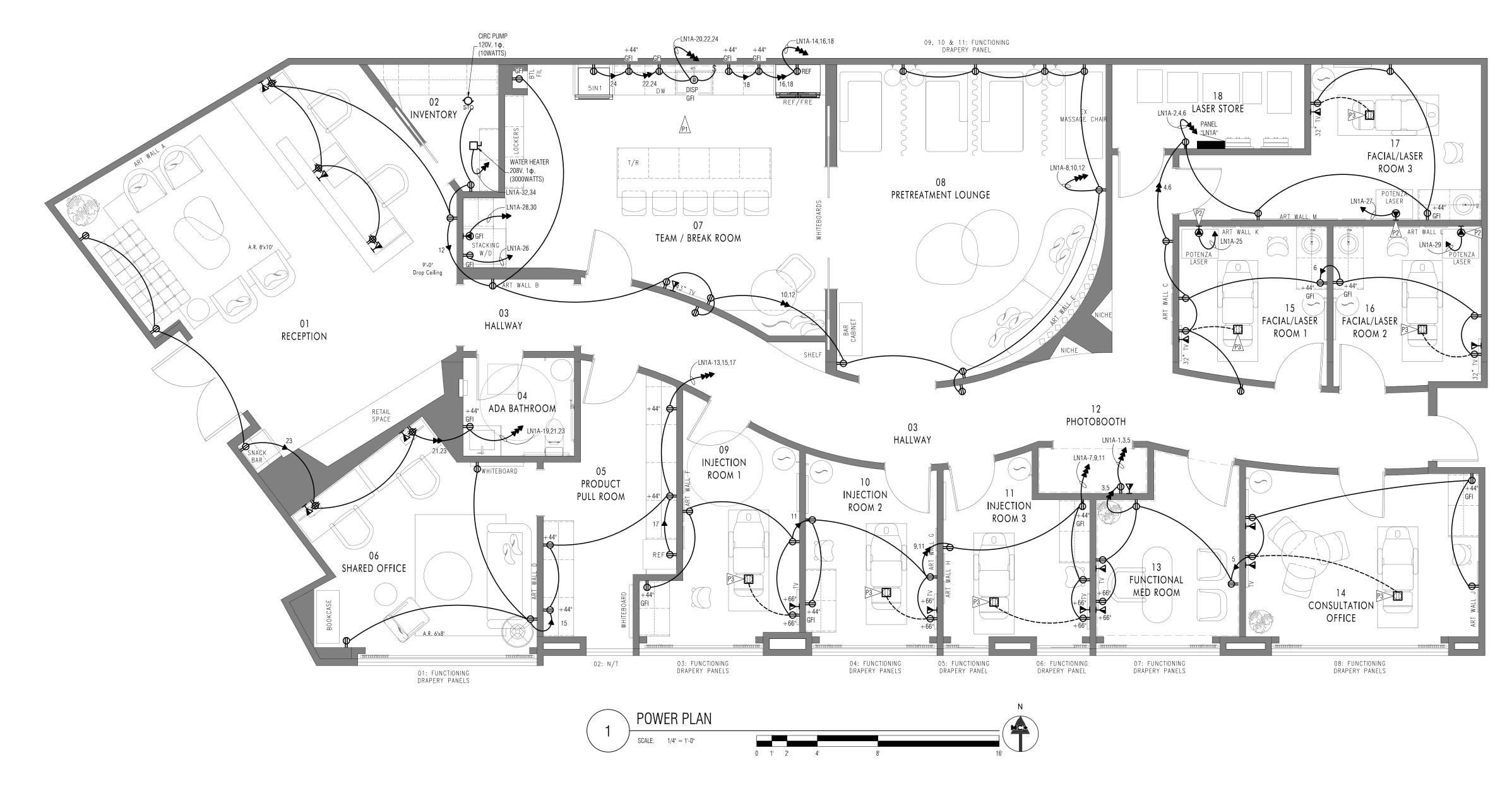


SHEET TITLE:

SPECIFICATIONS

ELECTRICAL LEGEND AND

DRN:MC+ CKD:MDC, JMM



- ELECTRICAL DETAIL NOTES POWER
- ALL RECEPTACLES WITHIN 6'-0" FROM SINK SHALL BE GFI PROTECTED AND READILY ACCESSIBLE PER NEC 210.8. IF RECEPTACLE IS NOT READILY ACCESSIBLE PROVIDE FACELESS GFI RESET IN AN
- ACCESSIBLE LOCATION. SPECIFICATION: LEVITON #X7590-W (OR EQUAL).
- P2 POTENZA LASER 120V, 1 ϕ , 10AMPS. VERIFY RECEPTACLE CONFIGURATION PRIOR TO PRICING AND ROUGH-IN.
- P3 PROVIDE FLUSH FLOOR MOUNTED RECEPTACLE FOR TREATMENT CHAIR. VERIFY REQUIREMENTS WITH MEDICAL EQUIPMENT SUPPLIER.

- 4. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ANY ADDITIONAL INFORMATION AND ELECTRICAL REQUIREMENTS REGARDING ELECTRICAL EQUIPMENT.
- 5. PROVIDE TYPEWRITTEN PANEL DOOR DIRECTORIES FOR ALL AFFECTED PANELS REFLECTING ALL CIRCUITS WITH THEIR ACCURATE DESTINATIONS PER N.E.C. 408.4. TURN OFF ALL UNUSED BREAKERS AND INDICATE "SPARE" IN PANEL INDEX.
- 6. PROVIDE STICKERS ON ALL RECEPTACLE COVERPLATES INDICATING PANEL AND CIRCUIT NUMBER INFORMATION IN TENANT SUITE.
- NOTES:

NOTES TO ELECTRICAL CONTRACTOR - POWER 1. ALL RECEPTACLES WITHIN 6'-0" FROM SINK SHALL BE GFI PROTECTED AND READILY ACCESSIBLE PER NEC 210.8

- 2. ALL COMPUTER AND TELEPHONE CABLING SHALL BE PULLED BY TENANTS REPRESENTATIVE.
- 3. COORDINATE ALL FIRE ALARM REQUIREMENTS WITH FIRE ALARM CONTRACTOR.
- ALL ELECTRICAL IS NEW U.O.N. DASHED FIXTURES INDICATES EXISTING TO BE REMOVE / DEMOLISHED. (E) = EXISTING (R) = RELOCATED

NOTE FOR ELECTRICAL CONTRACTOR: WIRING IN PATIENT TREATMENT AREAS TO BE HOSPITAL GRADE WIRING PER NEC 517. CONSULT ALL LOCAL AND FEDERAL CODES.

NOTE FOR ELECTRICAL CONTRACTOR:

A PATIENT TREATMENT ROOM SHALL COMPLY PER NEC 517.13(A) & (B) - GROUNDING OF RECEPTACLES AND FIXED ELECTRIC EQUIPMENT IN PATIENT CARE AREAS

(A) Wiring Methods

All branch circuits serving patient care areas shall be provided with an effective ground-fault current path by installation in a metal raceway system, or a cable having a metallic armor or sheath assembly. The metal raceway system, or metallic cable armor, or sheath assembly shall itself qualify as an equipment grounding return path in accordance with 250.118.

(B) Insulated Equipment Grounding Conductor

- The following shall be directly connected to an insulated copper equipment grounding conductor that is installed with the branch circuit conductors in
- the wiring methods as provided in 517.13(A). 1. The grounding terminals of all receptacles. 2. Metal boxes and enclosures containing receptacles.
- all non-current-carrying conductive surfaces of fixed electrical equipment likely to become energized that are subject to personal contact, operating at over 100 volts.

ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW ALL REQUIREMENTS, SPECIFICATIONS, AND LOCATION OF MEDICAL EQUIPMENT WITH MEDICAL EQUIPMENT SUPPLIER DRAWINGS PRIOR TO PRICING AND INSTALLATION.



SUBMITTED FOR:

ND.DATE	DESCRIPTION
10.03.2024	CONSTRUCTION

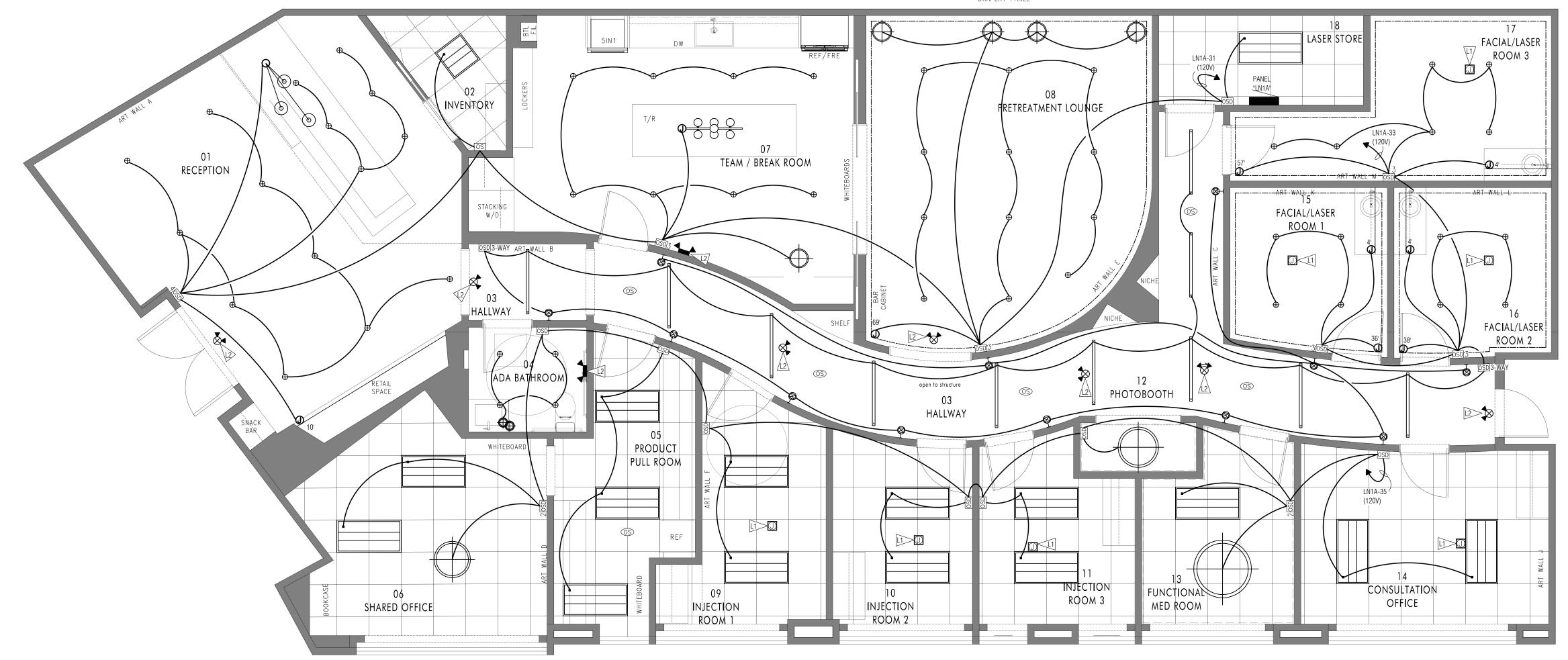




DRN:MC+ CKD:MDC, JMM

SHEET TITLE: POWER PLAN

SCALE: As Noted SHEET NUMBER: E1.1



09, 10 & 11: FUNCTIONING DRAPERY PANEL

> LIGHTING CONTROL LEGEND / SPECIFICATIONS <u>NOTE:</u> COORDINATE ALL DEVICE SPECIFICATIONS AND DEVICE LOCATIONS WITH LOCAL SELECTED CONTROL BRAND REPRESENTATIVE PRIOR TO PRICING. LOCATIONS SHOWN ARE DIAGRAMMATIC. FINAL LOCATIONS SHALL BE BY MANUFACTURER. CONTACT LOCAL SELECTED CONTROL BRAND REPRESENTATIVE.

- OS CEILING MOUNTED OCCUPANCY / VACANCY SENSOR.
- OS WALL MOUNTED OCCUPANCY / VACANCY SENSOR SET TO
- MANUAL ON / AUTO OFF. SET TIME-OUT TO 20 MINUTES.
- OSD WALL MOUNTED OCCUPANCY / VACANCY SENSOR WITH DIMMER.

ELECTRICAL DETAIL NOTES - LIGHTING

FLOOR MOUNTED J-BOX FOR TREATMENT LIGHT. COORDINATE AND VERIFY EXACT REQUIREMENTS AND MOUNTING METHOD WITH TREATMENT EQUIPMENT SUPPLIER.

L2 PROVIDE LOCAL NON-SWITCHED CIRCUIT FOR EMERGENCY LIGHTING.

Image: Construction of the construc

ADDITIONAL LIGHTING LEGEND / SPECIFICATIONS

- 2x4 STACK SWITCH LED CENTER ELEMENT LAY-IN TROFFER LITHONIA LIGHTING: STACK 2X4 AL06 SWW7 --K (35WATTS MAX)
- 2x2 STACK SWITCH LED CENTER ELEMENT LAY-IN TROFFER LITHONIA LIGHTING: STACK 2X2 AL06 SWW7 --K (30WATTS MAX)
- LED CHANDELIER/PENDANTS LARGE (100WATTS MAX)
- LED CHANDELIER/PENDANTS MEDIUM
- 60WATTS MAX)
- SolutionLED CHANDELIER/PENDANTS SMALL
(40WATTS MAX)
- ----- LED COVE LIGHTING
 - LED COVE LIGHTING (3WATTS/FT)
- ----- LED STRIP LIGHTING (3WATTS/FT)
- HALLWAY LED WALL SCONCES (10WATTS MAX)
- LED DOWNLIGHT
- (10WATTS MAX)
- LED VICINITY LIGHT (60WATTS MAX)
- COMBINATION OF BATTERY PACK EXIT / EGRESS LIGHT
- BATTERY PACK EGRESS LIGHTS(EM) EGRESS NIGHT LIGHT ON NON-SWITCHED CIRCUITRY
- ALL SHADED LUMINAIRES SHALL BE EQUIPPED WITH EMERGENCY BATTERY BALLAST / DRIVER
- NOTES: ALL LIGHTING IS NEW U.O.N.
- DASHED FIXTURES INDICATES EXISTING TO BE REMOVE / DEMOLISHED. (E) = EXISTING (R) = RELOCATED

NOTES TO ELECTRICAL CONTRACTOR - LIGHTING

- FINAL LUMINAIRE COUNT IS THE RESPONSIBILITY OF THE CONTRACTOR.
 ALL LIGHTING CONTROLS SHALL BE COORDINATED BETWEEN THE ELECTRICAL CONTRACTOR AND MANUFACTURER'S REPRESENTATIVE PRIOR TO PRICING AND INSTALLATION.
- ALL SWITCHING SHOWN SHALL BE 44" A.F.F. TO CENTERLINE OF COVERPLATE UNLESS OTHERWISE SHOWN. MULTIPLE SWITCHES SHOWN AT THE SAME LOCATION SHALL BE GANGED AND FINISHED WITH A ONE-PIECE COVERPLATE. ALL SWITCHES TO HAVE WHITE COVERPLATES.
- ALL NEW DEVICES AND COVERPLATES TO BE WHITE UNLESS OTHERWISE SPECIFIED BY ARCHITECT DUE TO WALL FINISH. VERIFY ALL SPECIALTY WALL FINISHES WITH ARCHITECTURAL DRAWINGS AND COORDINATE DEVICE FINISHES WITH ARCHITECT PRIOR TO PRICING AND ROUGH-IN.
- PROVIDE TYPE-WRITTEN PANEL DOOR DIRECTORIES FOR ALL AFFECTED PANELS REFLECTING ALL CIRCUITS WITH THEIR ACCURATE DESTINATIONS PER NEC 408.4.
- 6. ALL LIGHTING CONTROLS SHALL MEET INTERNATIONAL ENERGY CONSERVATION CODE (IECC) STANDARD AND LOCAL CODES.

NOTE TO ELECTRICAL CONTRACTOR: ELECTRICAL CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT / OWNERSHIP AND ARCHITECT ON LIGHTING CONTROLS SYSTEMS AND DESIGN PRIOR TO PRICING AND ROUGH-IN. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE LIGHTING CONTROL SHOP DRAWING FROM THE MANUFACTURER'S REPRESENTATIVE FOR APPROVAL (NO EXCEPTIONS). NOTE: ALL LIGHTING CONTROLS SHALL MEET IECC STANDARD AND LOCAL CODES.

NOTE TO ELECTRICAL CONTRACTOR: ELECTRICAL CONTRACTOR TO PROVIDE A FINAL COMMISSIONING REPORT AND SHALL BE DELIVERED TO THE BUILDING OWNER PER IECC2021 - SECTION C408.2.5.

ELECTRICAL CONTRACTOR SHALL COMPLIES FOLLOWING CODE SECTIONS FROM IECC 2021: C403.11 - REFRIGERATION EQUIPMENT PERFORMANCE C403.13 - HEATING OUTSIDE A BUILDING C405.2.7 - EXTERIOR LIGHTING CONTROLS C405.2.8 - PARKING GARAGE LIGHTING CONTROLS

NOTE TO ELECTRICAL CONTRACTOR: FIXTURE WATTAGES SHOWN ON PLAN ARE FOR INTERNATIONAL ENERGY CONSERVATION CODE (IECC) ENERGY CODE COMPLIANCE ONLY. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL FIXTURES AND DEVICES WITH TENANT, ARCHITECT AND INTERIOR DESIGNER. INJECTING CONFIDENCE 8310 SOUTH VALLEY HWY, SUITE 100 ENGLEWOOD, COLORADO 80112



DRN:MC+ CKD:MDC, JMM

SHEET TITLE: LIGHTING PLAN

SCALE: As Noted SHEET NUMBER: E2.1



Project Information

Energy Code: Project Title: Project Type:

1-Health Care-Clinic

2021 IECC 8310S.Valley-InjectingConfidence Alteration

Construction Site: Owner/Agent: 8310 South Valley Hwy, Suite100 Englewood, Colorado 80112 Allowed Interior Lighting Power

Area Category

Floor (ft2

B

Proposed Interior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast

<u>Health Care-Clinic (3212 sq.ft.)</u> LED: 2x4 Indirect / direct: Other:

LED: 2x2 indirect / direct: Other: LED: Pendant Large: Other:

- LED: Pendant Medium: Other:
- LED: Pendant Small: Other: LED: Chandelier at reception: Other:
- LED: Chandelier at Break: Other:
- LED: Cove Light (3w/ft): Other: LED: Linear (3w/ft): Other:
- LED: Wall Sconce at Hallway: Other:
- LED: Downlight: Other: LED: Vicinity Light: Other:

nterior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any

Name - Title

applicable mandatory requirements listed in the Inspection Checklist.

COMcheck Software Version COMcheckWeb **Inspection Checklist**

Signature

Energy Code: 2021 IECC Requirements: 0.0% were addressed directly in the COMcheck software Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	

Additional Comments/Assumptions:

Designer/Contractor:

	0.81 Allowed Wa	0	2602 2602
		atts =	2602
_	C		
B Lamps/ Fixture	# of	D Fixture Watt.	E (C X D)
0	15	35	525
0	1	30	30
0	1	100	100
0	2	60	120
0	5	40	200
0	1	100	100
0	1	60	60
0	200	3	600
0	22	3	66
0	12	10	120
0	53	10	530
0	1	60	60
Тс	otal Propose	d Watts =	2511

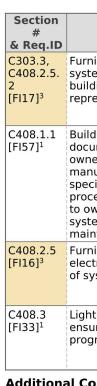
Date

Comments/Assumptions

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3. 1 [EL22] ¹	Spaces required to have light- reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern \geq 50 percent.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1, C405.2.1. 1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time- switch.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.2, C405.2.2. 1 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1.1) have time- switch controls and functions detailed in sections C405.2.2.1.	□Complies □Does Not □Not Observable □Not Applicable	

Section #	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
& Req.ID		-	
C405.2.4. 1,	individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.5 [EL27] ¹	allowed for special functions per the	□Complies □Does Not □Not Observable □Not Applicable	
C405.7 [EL26] ²	electric transformers meet the minimum efficiency requirements of Table C405.6	□Complies □Does Not □Not Observable □Not Applicable	
C405.8 [EL27] ²	efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification	□Complies □Does Not □Not Observable □Not Applicable	
C405.9.1, C405.9.2 [EL28] ²	with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum	□Complies □Does Not □Not Observable □Not Applicable	
C405.10 [EL29] ²	combination of feeders and branch circuits $\leq 5\%$.	□Complies □Does Not □Not Observable □Not Applicable	
C405.1.1 [EL30] ²	permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W	□Complies □Does Not □Not Observable □Not Applicable	
[EL31] ²	installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations	□Complies □Does Not □Not Observable □Not Applicable	

Additional Comments/Assumptions:



Final Inspection	Complies?	Comments/Assumptions
rnished O&M instructions for stems and equipment to the ilding owner or designated presentative.	□Complies □Does Not □Not Observable □Not Applicable	
illding operations and maintenance cuments will be provided to the rner. Documents will cover anufacturers' information, ecifications, programming ocedures and means of illustrating owner how building, equipment and stems are intended to be installed, aintained, and operated.	□Complies □Does Not □Not Observable □Not Applicable	
rnished as-built drawings for ectric power systems within 90 days system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	
phting systems have been tested to sure proper calibration, adjustment, ogramming, and operation.	□Complies □Does Not □Not Observable □Not Applicable	

Additional Comments/Assumptions:

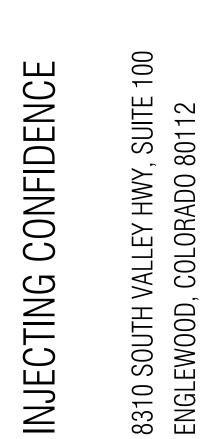
 1
 High Impact (Tier 1)
 2
 Medium Impact (Tier 2)
 3
 Low Impact (Tier 3)



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SUBMITTED FOR:

ND.DATE DESCRIPTION CONSTRUCTION 10.03.2024





DRN:MC+ CKD:MDC, JMM

SHEET TITLE: COMCHECK REPORT

SCALE: As Noted SHEET NUMBER: E2.2

			MC+ E	NG	1	IE	EF		G, LLC	2				
8	342	1 Stac	y Drive (P)						EIGHTS 076	3,	CO 80	26		
480/277 VOLTS, 3 PHASE, 4 WIRE PANEL "HN1 "											25	50 AMPS		
SURFACE FLUSH TY										Е			AIC 2	2,000
EXISTING		M.L.C).											
NEW		M.C.E	3.						MAXA	۱L	LOWED	TH	S PANEL	
DESCRIPTION		VOLT AMPS	CCT BKR		•	в	~		CCT BKR		VOLT AMPS	т		
LIGHTING,EM: n corr,exterior	$ \Phi $	750	20	1	•		Ť	2	25		1500	Ψ	DESCRIPTION "FTI-7"	
"FTI-1"	-	1200	15 /	3	-	•	+	4	23	4	1500		1 11-7	
<u>F 11-1</u>	-	1200	13	5		_	•	6	\vdash	3	1500			
		1200	3	7	•	_	-	8	30 /	7	2000		"FTI-6"	
		200	20	9	Ĥ	٠	+	10		+	2000			
EM LIGHTING: ste100	+	900	20	11		-	•	12	\vdash	3	2000			
BH LIGHTING		2100	20	13	٠	-	-		30	7	2000		"FTI-4" & "FTI-5'	
BH LTG: ste107-145		2100							/		2000			
BH LIGHTING		2100	20	17			•	18		3	2000			
BH LIGHTING		2100	20	19	٠				25 /	7	1500		"FTI-3"	
SPARE: ste100			30 /	21		•		22	/		1500			
				23		_	•	24		3	1500			
			3	25					25 /	7	1500		"FTI-2"	
OFF SPARE			20	27		•		28			1500			
OFF SPARE			20	29			•	30		3	1500			
OFF SPARE			20	31	٠				25 /	7	1500		"ECUH-4"	
OFF SPARE			20	33		٠	1	34			1500			
OFF SPARE			20	35			•	36	\checkmark	3	1500			
"FPB-105"		1200	15 /	37	•			38	125 /	7	25951		PANEL "LN1"	
		1200		39		•		40			24826		75KVA	
		1200	3	41			•	42	\checkmark	3	23906		TRANSFORM	ER
				IEC.	ΤE	D	κì	/A		N	EC DEN	AN	0% AFTER D	EMAND KVA
LIGHTING				10).1						125	5	12.	6
RECEPT (UNDER 10 KVA)				0	.0						100)	0.0	0
RECEPT (EXCESS OF 10 KVA	۹)			0	.0						50	1	0.0	0
HEAT	-			0	.0						100)	0.0	D C
MOTOR (LARGEST)		4	.5						12	5	5.0	6		
MOTORS		32	2.7						100)	32.	7		
MISC. PANEL "LN1"											100)	74.	7
MISC.				0	.0						100)	0.0	0
MISC.				0	.2						100)	0.2	2
TOTAL AFTER DEMAND LOAI	DS P	ER PHA	SE:								тот,	AL P	(VA 125	.8
A 44.9 B 40.4	С	40.4									TOTAL	. AN	IPS 151	.5

	MC+ ENGINEERING, LLC													
8421 Stady Drive, Federal Heights, CD 80260														
(P) 720.746.9076														
208/120 VOLTS, 3 PH	208/120 VOLTS, 3 PHASE, 4 WIRE								LN1		"	250 AMPS		
SURFACE FLUSH									TYPE	SIE	MEN	NS AIC 10,000		
EXISTING		M.L.C).						FEEI) THRU	S			
	6.	25	0A	ЗF	>		MAXAL	LOWED	IS PANEL 75KVA					
		VOLT	CCT	1					ССТ	VOLT	-			
DESCRIPTION	Φ	AMPS	BKR		_	В	<u>c</u>		BKR	AMPS	Φ	DESCRIPTION		
RECEPT: elec, PS: east door		200	20	1	٠			2	20	300		EXIT LIGHT: north		
"TF-2": elec, EM		400	20	3		٠		4	20	1500		"WH-1"		
F/S DAMPERS		200	20	5			٠	6	20	540		EXISTING LOADS		
COPIER		600	20	7	•			8	20 /	600		COPIER: ste105		
SPARE			20	9	Γ	٠		10		600		REFRIGERATOR: ste105		
SPARE			20	11			•	12	/ 3	750		DISPOSER: ste105		
SPARE: ste100			20	13	•			14	20	1500		WATER HEATER: ste105		
SPARE: ste100			20	15	\vdash	٠		16	20	500		DED RECEPT: copy/work		
SPARE: ste100			20 17				٠	18	20	500		DED RECEPT: copy/work		
SPARE: ste100			20	19	•			20	20	600		COPIER: ste115		
SPARE: ste100			20	21	-	٠		22	20	200		DED RECEPT: copy/work		
FURNITURE SYSTEM		540						24	20	540		FURNITURE SYSTEM: ste115		
SPARE		540	20	25	•		-	24	20	540	<u> </u>	FURNITURE SYSTEM: stel15		
DED RECEPT: ste105		200	20	27	-	٠		28	20	540		FURNITURE SYSTEM: stel15		
	<u> </u>	200			-	•	٠			540				
SPARE			20	29			•	30	20			FURNITURE SYSTEM: ste115		
REFRIGERATOR		600	20	31	•			32	20	540		FURNITURE SYSTEM: ste115		
DISHWASHER		1200	20	33		٠		34	20	540		RECEPT: office		
DISPOSER		750	20	35			٠	36	20	200		"ТТВ"		
RECEPT: kitchen		500	20	37	•			38	20	750		"WH-1"		
RECEPT: kitchen		500	20	39		٠		40	20	750		"WH-1"		
RECEPT: kitchen		500	20	41			٠	42	20	300		"TF-1"		
			CONN	VEC.	TE	D	K١	/A	N	EC DEN	IAN	D % AFTER DEMAND KVA		
LIGHTING				0	.3					12	5	0.4		
RECEPT (UNDER 10 KVA)					D.0					10	-	10.0		
RECEPT (EXCESS OF 10 KVA	0				4.6				- —	50	-	7.3		
HEAT	·/				.5					10		4.5		
MOTOR (LARGEST)			.0					12	-	0.0				
MOTORS										12		0.5		
MISC.			.5 .0					10		0.5 7.0				
MISC. PANEL "LN1A"			.0 9.8					10						
									- —		-	29.8		
MISC.				1:	5.1					10	0	15.1		
TOTAL AFTER DEMAND LOAD	DS F	PER PHA	SE:							тот	ÄLk	KVA 74.7		
A 26.0 B 24.8	С	23.9								TOTA		MPS 207.5		

			MC+ E	ING		١E	EF	RIN	G, LLC					
ε	342	1 STAC								CO 80	126			
			(P)	720	כ.	74	4 E	<u>.9</u> 0	176					
208/120 VOLTS, 3 PH/	208/120 VOLTS, 3 PHASE, 4 WIRE PANEL " LN										"	250 AMPS		
SURFACE FLUSH	1		SEC	ΠON	II				TYPE	SIEI	MEN	NS AIC 10,000		
EXISTING			S											
							MAXAL							
		VOLT	CCT	1					CCT	VOLT				
DESCRIPTION	Φ	AMPS	BKR		A	В	С		BKR	AMPS	Φ	DESCRIPTION		
RECEPT: hall		180	20	43	٠			44	20	360		RECEPT: lobby		
RECEPT: storage		180	20	45		٠		46	20			SPARE: ste100		
COPIER		600	20	47			٠	48	20	360		RECEPT: hall		
RECEPT: offices		540	20	49	٠			50	20	600		DED RECEPT: copy		
RECEPT: offices		540	20	51		٠		52	20	600		RECEPT: copy		
RECEPT: offices		540	20	53			•	54	20	600		REFRIGERATOR		
RECEPT: offices	540 20 55 • 56 20							56	20 /			SPARE		
RECEPT: offices		540	20	57		٠		58				SPARE		
RECEPT: offices		540	20	59			٠	60	/ 3			SPARE		
RECEPT: offices/conference		540	20	61	٠			62	20	540		RECEPT: office		
RECEPT: offices		540	20	63		٠	•	64	20	540		RECEPT: conference		
RECEPT: offices		540	20	65			•	66	20	540		RECEPT: office		
RECEPT: offices		540	20	67	•			68	20	540		RECEPT: office		
DED RECEPT: copy room		600	20	69		٠		70	20	540		RECEPT: office		
RECEPT: open 110,105		540	20	71			٠	72	20	540		RECEPT: reception		
REFRIGERATOR		600	20		•			74	20	540		RECEPT: conference101		
DISHWASHER		1200	20	75		•		76	20	750		DISPOSER		
DISPOSER		750	20	77		-	٠	78	20	540		RECEPTACLE		
RECEPT: kitchen		500	20	79	•		-	80	20	1200		DISHWASHER		
RECEPT: kitchen		500	20	81	-	•		82	20	500		RECEPT: breakroom		
RECEPT: copy room		500	20	83		-	٠	84	20	500		RECEPT: breakroom		
			CONI							EC DEN	10.51			
LIGHTING			CON	0		–		~~		12		0:0		
										12	0	10.0		
RECEPT (UNDER 10 KVA)				10	2020						400423823823			
RECEPT (EXCESS OF 10 KVA)				****					50	*****			
HEAT	_			0	.0			_		10	0	0.0		
MOTOR (LAKENS I)	2	\mathbf{n}	4i/		9		_	4	Fo			otolo		
	LL	24	. (10		Ula S				
										101	,	0:0		
MISC.				0	.0					10		0.0		
MISC.				6	.2		<u>.</u>			100 6.2				
TOTAL AFTER DEMAND LOAD			SE							TOT				
A <u>1.8</u> B 2.0	0	2.5								TOTAI	_ AN	1PS <u>52.2</u>		

MC+ ENGINEERING, LLC											
8421 Stacy Drive, Federal Heights, CD 80260											
(P) 720.746.9076											
208/120 VOLTS, 3 PH/	٩SE	, 4 WIF	RE P	ANE	L			LN1		"	250 AMPS
SURFACE FLUSH	I 🗌		SECT	ION	III			TYPE	SIEI	MEN	IS AIC 10,000
EXISTING		M.L.C									
NEW		M.C.E	3.					MAXAL	LOWED	TH	IS PANEL
	_	VOLT	CCT					ССТ	VOLT	6	
ESCRIPTION	φ	AMPS	BKR		A	<u>3</u> C	-	BKR	AMPS	Φ	DESCRIPTION
PARE: ste100			20	85	•		86	20	540		RECEPT: reception
PARE: ste100			20	87	•	•	88	20	540		FURNITURE SYSTEM
PARE: ste100			20	89		•	100	20	540		FURNITURE SYSTEM
		200	20	91		+	92	20			OFF SAPRE
		200	20	93	ľ	+	94	20	540		FURNITURE SYSTEM
		200	20	95		•		20	540		FURNITURE SYSTEM: ste115
ELE BOARD: ste105		200	20	97	•	+	98	20	540		FURNITURE SYSTEM: ste115
OPIER: ste105		600	20	99			100		540		RECEPT: ste115
ANEL "LN1A"		10616	100	101		•	102		540		RECEPT: ste115
		10476	/	103		-	104		600		VENDING: ste115
DAGE		8756	3	105	-		106		360 200		GENERAL RECEPTACLE
		E 40	20	107		•	1.00				IT RECEPT: ste115
URNITURE SYSTE: ste105 URNITURE SYSTE: ste105		540	20	109		+	110		200		IT RECEPT: ste115
		540		111			112				OFF SPARE
ECEPT: ste105 office		540	r .	113		-	114				OFF SPARE
PARE: ste100			20	115		+	116		500		SPACE
PARE: ste100				117			118				RECEPT: ste107-office
PARE: ste100		1200		119		-	120	r	500		RECEPT,"EF": ste107-phone
ECEPT: comp room		1200		121		•	122		<u> </u>		SPACE COPIER
PACE				123	-		124		600 500		RECEPT: comp
PACE				125		_	126				· · ·
			CONN) K	VA	N			
IGHTING					.0				12		0.0
ECEPT (UNDER 10 KVA)					.6				10	******	5.6
ECEPT (EXCESS OF 10 KVA)				.0				50		0,0
EAT				0	.0				10)	0.0
IOTOR (LAICAST)		\sim	410		<u>_</u>		4	- fa	. 1 2.		otolo
	DX	ヒし	ЧĻ	<u>)</u>					10		Ula S
100.				•	.0				101	<u>, </u>	378
IISC.					1.8				10		29.8
tisc.				2	.6				10)	2.6
OTAL AFTER DEMAND LOAD			SE:						TOT		
A <u>12.6</u> B <u>11.8</u>	O	11.9							TOTAI	. AN	IPS

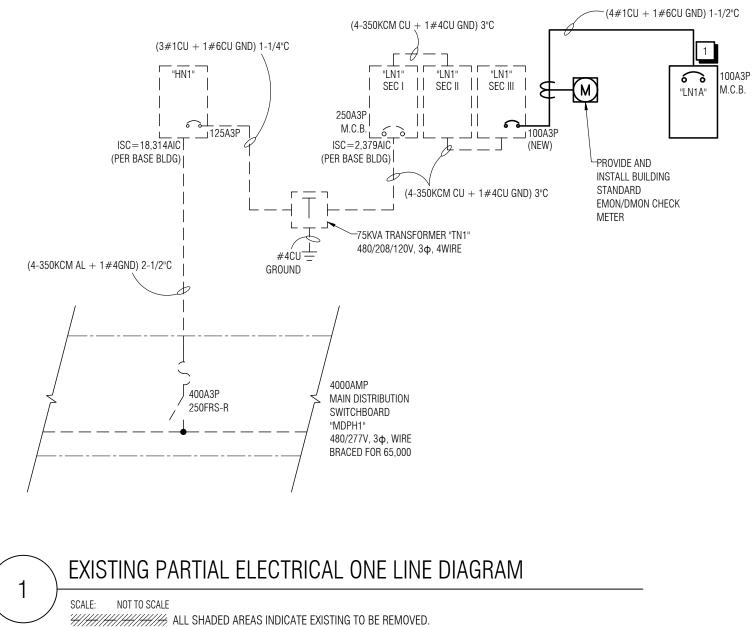
PROVIDE NEW CIRCUIT BREAKER AS SHOWN.

			MC+ F			FF	- 6		GLIC				
MC+ ENGINEERING, LLC 8421 Stacy Drive, Federal Heights, CD 80260													
			(P)	72	י.כ	74	6	.90	176				
208/120 VOLTS, 3 PH	IASE	, 4 W R	E P	ANE	L	•	•		LN1A	۱			100 AMPS
SURFACE	۱ 🗌								TYPE	SIEM	ENS	S AIC	: 10,000
		M.L.O											
NEW		M.C.B		10	0A	3P			MAX AL	LOWE	от⊦		100AMPS
	€	VOLT	CCT				_		CCT	VOLT	-		
DESCRIPTION RECEPT: photobooth rm12	Ф 1	AMPS 200	BKR 20		A •	B			BKR 20	AMPS 1080	Φ	DESCRIPT RECEPT: f	
RECEPT: photobooth mitz RECEPT: med rm13	4	720	20	1	· ·	•	+	2	20	1080	-	RECEPT: 1	
RECEPT: consult rm14	4 5	900	20	3 5	\square		•	4	20	720		RECEPT: f	
RECEPT: injection rm11	5	900	20	7	•	+	+	8	20	1440	-		pretreatment 08
RECEPT: injection rm10	5	900	20	9		•	+	10	20	900		· · ·	break rm07
RECEPT: injection rm09	5	900	20	11			•	12	20	1440	-		reception rm01
RECEPT: product pull rm05	4	720	20	13	•		╈	14	20	500			RATOR: break 07
RECEPT: office rm06	3	540	20	15		•	1	16	20	500	1	RECEPT: I	break rm07
RECEPT, REF: product pull						•	•	18	20	500	1	RECEPT: I	break rm07
RECEPT: bathroom 04	1	180	20	19	•		1	20	20	1100	2	DISPOSE	R,DW: break 07
RECEPT: office rm06	RECEPT: office rm06 4 720				20 21 • 22					500	1 RECEPT: break rm07		
RECEPT: reception rm01	3	540	23		•	•	24	20	500	1	REFRIGER	RATOR: break 07	
LASER: rm15	1	1200	20	25	٠			26	20	1200		WASHER:	break rm07
LASER: rm17	1	1200	20	27		•		28	30	2000		DRYER: br	reak rm07
LASER: rm16	1	1200	20	29		•	•	30	2	2000			
LIGHTING		837	20	31	٠			32	20 🦯	1500		WATER H	EATER
LIGHTING		837	20	33		•		34	2	1500			
LIGHTING		837	20	35		•	•	36	20			SPARE	
SPARE			20	37	٠			38				SPACE	
SPARE			20	39		•	4	40				SPACE	
SPARE			20	41		•	•	42				SPACE	
			CON) K	(V	Ά	N	IEC DEN		D% AFT	er demand KVA
LIGHTING					.5					12	-		3.1
RECEPT (UNDER 10 KVA)					0.0					100	-		10.0
RECEPT (EXCESS OF 10 KVA)				.6					50			2.8
HEAT <u>3.0</u>								100			3.0		
MOTOR (LARGEST) MOTORS	10TOR (LARGEST) 0.0								12	-		0.0	
MISC.			0.0							100			0.0
MISC.			0.0							100	-		0.0
MISC.					.u).9					100	-		10.9
WII.50.				- 10						100			10.3
TOTAL AFTER DEMAND LOA	DS F	PER PHA	SE:							тот	AL F	KVA	29.8
A 10.6 B 10.5	С	8.8								TOTAL AMPS 82.9			82.9

FAUL	T CURI	RENT	CALCUL	ATIONS	S: NOTE: I	HIGHLIGHTED N	IUMBER IS BASED ON BASE BUILDING DRAWINGS
1 F=-	<u>1.73</u> 1	x x	70 19703	x x	2,379 208	- = 0.07	$ISC = \frac{2,379}{1 + 0.07} = 2,223$

NOTE TO ELECTRICAL CONTRACTOR:

PROVIDE FIELD MARKING FOR AVAILABLE FAULT CURRENT PER NEC 110.24. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKINGS SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT.



ALL STADLD AREAS INDICATE EXISTING TO BE REMOVED.
 ALL DASHED LINES INDICATE EXISTING TO REMAIN U.O.N.
 ALL SOLID LINES INDICATE NEW EQUIPMENT
 ALL HIDDEN LINES INDICATE FUTURE EQUIPMENT.

ELECTRICAL GENERAL NOTES:

- BASE BUILDING SPECIFICATIONS, DRAWINGS, AND LATEST REVISION OF CONTRACT DOCUMENTS FOR ELECTRICAL WORK SHALL APPLY TO ELECTRICAL DRAWINGS.
- ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE TENANT FINISH SPECIFICATIONS, DRAWINGS, AND LATEST REVISIONS OF ALL NATIONAL CODES SUCH AS THE N.E.C., N.F.P.A., AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- ELECTRICAL CONTRACTOR SHALL VISIT SITE AND EXAMINE DRAWINGS OF OTHER TRADES ON THIS PROJECT, PARTICULARLY DEMOLITION, ARCHITECTURAL AND MECHANICAL, TO DETERMINE ANY ADDITIONAL WORK THAT MAY BE REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION.
- 4. ELECTRICAL ITEMS AFFECTED BY REMODEL WORK ARE SHOWN ON DRAWINGS. EXISTING ELECTRICAL SHOWN IS NOT NECESSARILY INCLUSIVE. PROVIDE CONTINUITY IN ALL CIRCUITS FOR ELECTRICAL FIXTURES, DEVICES, AND EQUIPMENT THAT IS TO REMAIN. SUCH EQUIPMENT SHALL BE RECONNECTED TO EXISTING CIRCUITS.
- ELECTRICAL CONTRACTOR SHALL ENSURE CIRCUIT CONTINUITY FOR ALL CIRCUITS WHICH ARE OR MAY BE AFFECTED BY THIS REMODEL AS WELL AS TO PREVENT ANY SINGLE CIRCUIT OVER-LOADING. REMOVE ALL EXISTING BRANCH CIRCUIT CONDUCTORS OF CIRCUITS REUSED ELSEWHERE.
- CONTRACTOR SHALL PROVIDE NEW CONDUIT AND WIRE TO REROUTE AND RECONNECT FEEDERS THAT ARE DAMAGED, DISTURBED OR AFFECTED BY THE DEMOLITION AND REMODEL WORK.
- 7. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR ALTERNATIVE METHODS OF INSTALLATION THREE (3) DAYS MINIMUM PRIOR TO BIDDING THIS JOB TO ALLOW FOR ISSUANCE OF CLARIFICATIONS.
- CONTRACTOR TO REMOVE ALL FIXTURES, SWITCHES, TELEPHONE AND ELECTRICAL OUTLETS SCHEDULED FOR DEMOLITION. ALL UNUSED POWER WIRING SHALL BE REMOVED BACK TO APPROPRIATE ELECTRICAL PANEL. ALL PHONE / DATA CABLING TO REMAIN - FOR REMOVAL PER TENANT COMMUNICATION VENDOR.
- 9. PROVIDE TYPEWRITTEN UPDATED PANEL DOOR DIRECTORIES FOR ALL AFFECTED PANELS REFLECTING ALL CIRCUITS WITH THEIR ACCURATE DESTINATIONS PER N.E.C. 408.4. CLEARLY MARK J-BOXES IN CEILING SPACE WITH REVISED CIRCUIT NUMBERS. THIS APPLIES TO BOTH SIDES OF THE TENANT DEMISING WALLS. FLIP ALL UNUSED AND SPARE BREAKERS TO THE "OFF" POSITION AND INDICATE "SPARE" IN PANEL INDEX.
- 10. PREPARE AND MAINTAIN AT JOB SITE ACCURATE UPDATED "AS-BUILT" DRAWINGS OF ALL MODIFIED WORK IN THIS CONTRACT. AT CONCLUSION OF WORK, SUBMIT ORIGINAL OR ADEQUATE LEGIBLE REPRODUCIBLE COPY TO ARCHITECT / ENGINEER FOR PREPARATION OF RECORD DOCUMENTS.
- ALL ELECTRICAL DEVICES, CIRCUITING, ETC. SHOWN DIAGRAMMATICALLY. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL LOCATION AND WIRING AVOIDING MECHANICAL AND OTHER EQUIPMENT.
- 12. ALL NEW AND RELOCATED MATERIALS INSTALLED IN CEILING PLENUM SHALL BE U.L. LISTING, CLASS 1 RATED.
- SEE LEGEND, LIGHTING AND POWER NOTES, MECHANICAL, AND ARCHITECTURAL DRAWINGS FOR SUPPLEMENTAL INFORMATION ON LOCATIONS, MOUNTING HEIGHTS, ETC. DIMENSIONS ON ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER THE ELECTRICAL DRAWINGS.
- 14. PROVIDE TELEPHONE OUTLETS WITH COVERPLATES AND $\frac{3}{4}$ " CONDUIT TO ABOVE ACCESSIBLE CEILING WITH BUSHING AND PULLWIRE. COORDINATE FURNITURE SYSTEM CONDUIT WITH MANUFACTURER / SUPPLIER ON ALL DATA / TELEPHONE RACEWAYS. CABLING BY TENANT.
- 15. COORDINATE ALL POWER SHUT-DOWNS WITH BUILDING MANAGEMENT / LANDLORD, MUST BE AT LEAST A 24 HOUR NOTICE.
- 16. CLEAN AND REPAIR ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, AND ELECTRICAL DEVICES AS NEEDED.
- REUSE EXISTING EXIT LIGHTS. VERIFY EXISTING FIXTURE COUNT WITH ARCHITECT. PROVIDE UNIT PRICING FOR ADDITIONAL FIXTURES AS NEEDED - BUILDING STANDARD.
- RESUPPORT ALL NEW AND EXISTING CONDUITS, LIGHTING FIXTURES, AND CABLING PER INTERNATIONAL BUILDING CODE (IBC - LATEST VERSION PER LOCAL JURISDICTION). REMOVE ALL UNUSED SUPPORTS AS REQUIRED.
- 19. ELECTRICAL CONTRACTOR TO CIRCUIT TRACE ALL POWER CIRCUITRY PRIOR TO INSTALLATION. CONTRACTOR TO PROVIDE ELECTRICAL ENGINEER WITH AS-BUILT DRAWINGS.
- 20. DO NOT SCALE DRAWINGS. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, DISTANCES, AND EXISTING CONDITIONS PRIOR TO PRICING AND INSTALLATIONS.
- 21. E.C. SHALL LABEL ALL RECEPTACLE COVER PLATES WITH PANEL AND CIRCUITRY DESIGNATIONS.

DESIGN BUILD FIRE ALARM NOTE: FIRE ALARM SHALL BE UNDER DESIGN BUILD CONTRACT. FIRE ALARM CONTRACTOR SHALL BE BUILDING MANAGEMENT APPROVED AND WILL SUBMIT FIRE ALARM DESIGN TO THE FIRE MARSHAL OF THE LOCAL FIRE DEPARTMENT HAVING JURISDICTION FOR APPROVAL.

GENERAL NOTE:

EQUIPMENT INTENDED TO INTERRUPT CURRENT AT FAULT LEVELS SHALL HAVE AN INTERRUPTING RATING AT NOMINAL CIRCUIT VOLTAGE AT LEAST EQUAL TO THE CURRENT THAT IS AVAILABLE AT THE LIVE

TERMINALS OF THE EQUIPMENT. EQUIPMENT INTENDED TO INTERRUPT CURRENT AT OTHER THAN FAULT LEVELS SHALL HAVE AN INTERRUPTING RATING AT NOMINAL CIRCUIT VOLTAGE AT LEAST EQUAL TO THE CURRENT THAT MUST BE

INTERRUPTED. EQUIPMENT OVER 10,000 AIC WITH DISCONNECTING MEANS MUST BE SUITABLE TO WITHSTAND THE INTERRUPTING RATING WITH CURRENT LIMITING FUSES AND REJECTION FEATURES.

ELECTRICAL CONTRACTOR- PANEL:

- 1. INFORMATION SHOWN IN BOLD PRINT INDICATES NEW LOADS ON EXISTING UNLESS OTHERWISE NOTED. ALL OTHER LOADS ARE EXISTING.
- UPDATE PANEL INDEXES PRIOR TO CONCLUSION OF CONSTRUCTION PER NEC 408.4. INDICATE LOAD INFORMATION AND ACCURATE LOCATION WITHIN TENANT SUITE.
- 3. VERIFY BREAKERS FOR ALL MECHANICAL REQUIREMENTS WITH MANUFACTURER'S U.L. NAMEPLATE RATING AND CUTSHEETS PRIOR TO ROUGH-IN. CONTACT ELECTRICAL AND MECHANICAL ENGINEERS IF ANY DISCREPANCIES OR CHANGES TO THE SPECIFIED UNITS OCCUR.



MLT ENGINEERING, LLL 8421 Stacy Drive Federal Heights, CO 80260 T: 720.746.9076 MARK@MCPLUSENG.com

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SUBMITTED FOR:

 NO.DATE
 DESCRIPTION

 10.03.2024
 CONSTRUCTION

8310 SOUTH VALLEY HWY, SUITE 100 ENGLEWOOD, COLORADO 80112

CONFIDENC

INJECTING



DRN:MC+ CKD:MDC, JMM

SHEET TITLE: ELECTRICAL ONE LINE DIAGRAM AND PANEL SCHEDULES

SCALE: As Noted SHEET NUMBER: E3.1