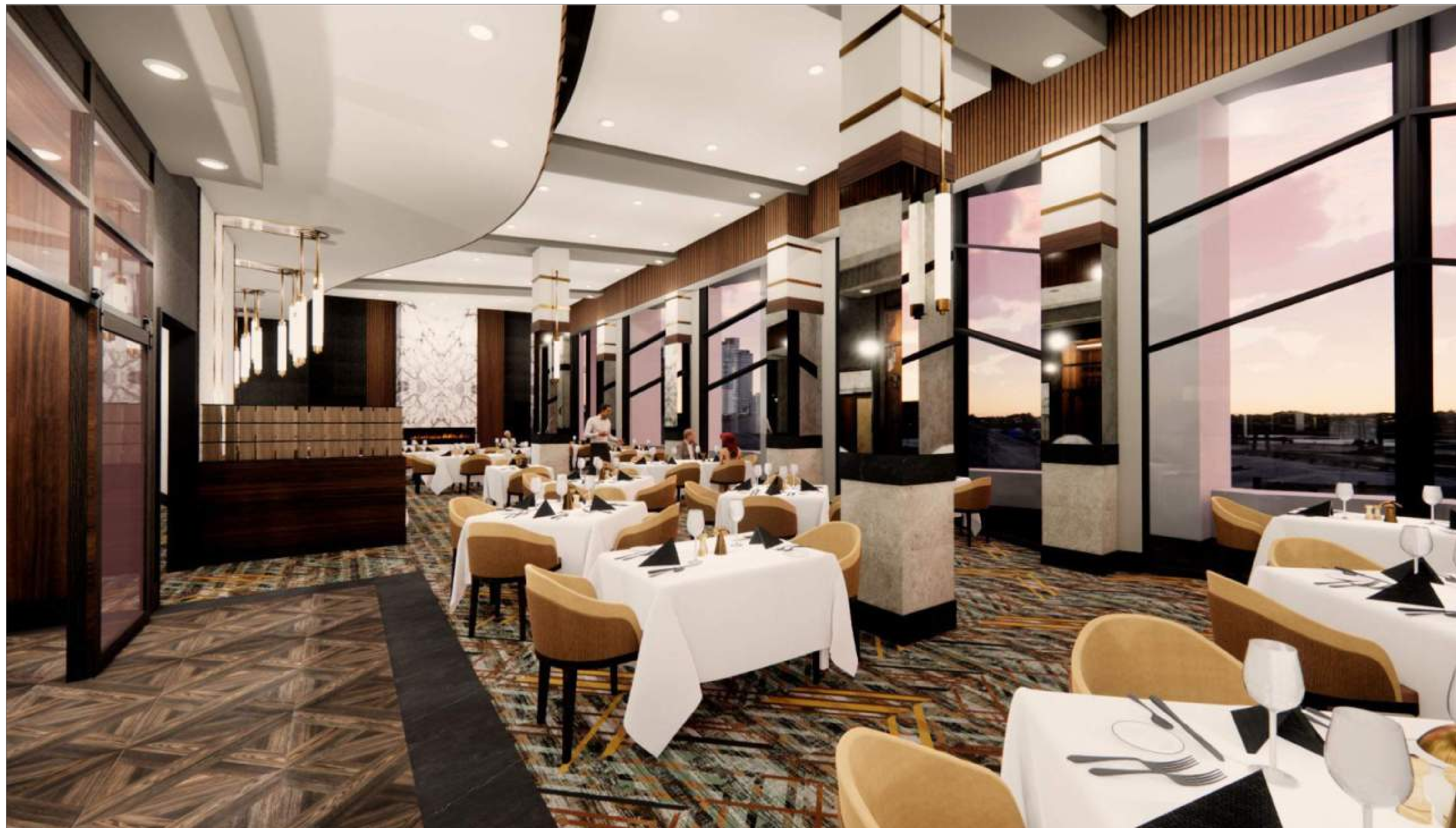


# MCGILLS STEAKHOUSE RENOVATION CATOOSA, OK 74015

## 50% DESIGN DEVELOPMENT

22 DECEMBER 2023



GRAPHIC RENDERING  
NOT TO BE USED FOR  
PURPOSES OF BIDDING OR  
CONSTRUCTION.



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LAS VEGAS, NEVADA 89118  
702-869-8354

www.worthgroup.com

PROFESSIONAL SEAL  
**NOT FOR  
CONSTRUCTION**

CONSULTANT:

CLIENT/PROJECT:  
**MCGILLS  
STEAKHOUSE  
RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
COVER SHEET/  
RENDERING

50% DESIGN  
DEVELOPMENT

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DRAWING SCALE: WGA PROJECT NUMBER:  
23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**A-000**



# MCGILLS STEAKHOUSE RENOVATION



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## 50% DESIGN DEVELOPMENT

<p style="text-align: center;"><b>VICINITY MAP</b></p>	<p style="text-align: center;"><b>PROJECT TEAM</b></p> <p><u>OWNER CONTACT:</u> Cherokee Nation Entertainment 777 West Cherokee Street Catoosa, OK 74015</p> <p>Mark Watowich, VP of Facilities &amp; Construction</p> <p><u>CONTRACTOR:</u> Candor Building Solutions 10815 E Marshall St Suite 102 Tulsa, OK 74116 t: 918-518-1928</p> <p>Donny Howard, Project Manager</p> <p><u>ARCHITECT:</u> WORTHGROUP Architects 7535 E Hampden Ave, Suite 302 Denver, CO 80231 t: 303-649-1095</p> <p>Laurissa Gibson, Project Architect</p> <p><u>MEP / LIGHTING / LV ENGINEER:</u> FEA Consulting Engineers 2821 W Horizon Ridge PKWY #200 Henderson, NV 89052 t: 702-269-6060</p> <p>Justin Veilleux, Principal</p> <p><u>FOOD SERVICE:</u> WORTHGROUP Architects 7535 E Hampden Ave, Suite 302 Denver, CO 80231 t: 303-649-1095</p> <p>Caroline Ingalls, Interior Designer</p>	<p style="text-align: center;"><b>NOTE TO CONTRACTOR:</b></p> <p>CONTRACTOR IS RESPONSIBLE FOR COORDINATING IT'S SUBCONTRACTORS WITH ALL ASPECTS OF THE ENTIRE DRAWING PACKAGE AND SPECIFICATIONS SECTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL COSTS ASSOCIATED WITH ITS SUBCONTRACTORS WORK DISCIPLINE, DUE TO LACK OF COORDINATION.</p>
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NOT FOR CONSTRUCTION

<p style="text-align: center;"><b>BUILDING DATA</b></p> <p><u>MODEL CODE:</u> 2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL FIRE CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2017 NATIONAL ELECTRIC CODE DEPARTMENT OF JUSTICE 2010 ACCESSIBILITY STANDARDS</p> <p><u>OCCUPANCY GROUP:</u> A2 - RESTAURANT &amp; LOUNGE B - BACK OF HOUSE SUPPORT/OFFICES F - COMMERCIAL KITCHENS</p> <p><u>CONSTRUCTION TYPE:</u> EXISTING</p> <p><u>OCCUPANCY SEPARATION:</u> THIS PROJECT UTILIZES NON-SEPARATED OCCUPANCIES AS ALLOWED PER I.B.C. 2018 SECTION 508.3.2</p> <p><u>BUILDING AREAS (ACTUAL):</u> EXISTING - NO ADDITIONAL AREA ADDED</p> <p><u>BUILDING AREAS (ALLOWED):</u> EXISTING - NO ADDITIONAL AREA ADDED</p> <p><u>BUILDING HEIGHT:</u> EXISTING - NO CHANGE</p> <p><u>MINIMUM FIRE RESISTIVE REQUIREMENTS:</u> STRUCTURAL FRAME/COLUMNS, ETC 2 HR BEARING WALLS EXTERIOR 2 HR INTERIOR 2 HR NONBEARING WALLS EXTERIOR (TABLE 602) 0 HR INTERIOR 0 HR FLOOR CONSTRUCTION 2 HR ROOF CONSTRUCTION 1 HR</p> <p><u>FIRE PROTECTION SYSTEMS (SECTION 903.3):</u> BUILDING SHALL BE PROVIDED WITH AN AUTOMATIC FIRE EXTINGUISHING (SPRINKLER) SYSTEM THROUGHOUT. STANDPIPES, WHERE REQUIRED, WILL BE PROVIDED. FIRE PROTECTION SYSTEM DRAWINGS WILL BE PROVIDED BY CONTRACTOR AS A DEFERRED SUBMITTAL.</p> <p><u>SMOKE DETECTION SYSTEMS:</u> SMOKE DETECTORS SHALL BE PROVIDED THROUGHOUT IN ACCORDANCE WITH 2018 I.B.C. SECTION 907.</p> <p><u>FIRE ALARM SYSTEMS (SECTION 907):</u> FIRE ALARMS SHALL BE PROVIDED THROUGHOUT IN ACCORDANCE WITH 2018 I.B.C. SECTION 907.</p>	<p style="text-align: center;"><b>SHEET INDEX</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">SHEET #</th> <th style="width:65%;">SHEET NAME</th> <th style="width:10%; text-align: center;">SD PACKAGE 01 DECEMBER 2023 50% DD PACKAGE 22 DECEMBER 2023</th> <th style="width:10%;"></th> <th style="width:15%;">SHEET #</th> <th style="width:65%;">SHEET NAME</th> <th style="width:10%; text-align: center;">SD PACKAGE 01 DECEMBER 2023 50% DD PACKAGE 22 DECEMBER 2023</th> </tr> </thead> <tbody> <tr> <td colspan="7"><b>GENERAL</b></td> </tr> <tr> <td>A-000</td> <td>COVER SHEET/ RENDERING</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td colspan="3"><b>MECHANICAL</b></td> </tr> <tr> <td>A-001</td> <td>TITLE SHEET</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>M-000</td> <td>COVER SHEET</td> <td style="text-align: center;">X</td> </tr> <tr> <td 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style="text-align: center;">X</td> <td>P-210</td> <td>OVERALL PLUMBING PLAN</td> <td style="text-align: center;">X</td> </tr> <tr> <td>A-021</td> <td>TYPICAL FRAMING DETAILS - METAL STUD</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>PD-210</td> <td>OVERALL DEMO PLUMBING PLAN</td> <td style="text-align: center;">X</td> </tr> <tr> <td>A-031</td> <td>LEVEL 01 CODE/EGRESS PLAN</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td colspan="3"><b>ELECTRICAL</b></td> </tr> <tr> <td>AD210</td> <td>OVERALL + ENLARGED FLOOR DEMO PLAN</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>E-0-00</td> <td>ELECTRICAL COVER SHEET</td> <td style="text-align: center;">X</td> </tr> <tr> <td>AD211</td> <td>ENLARGED FLOOR DEMO PLANS</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>E-0-01</td> <td>ELECTRICAL SPECIFICATIONS</td> <td style="text-align: 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CEILING PLAN</td> <td style="text-align: center;">X</td> </tr> <tr> <td>ID-411</td> <td>ENTRY + BAR</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td colspan="3"><b>LOW VOLTAGE</b></td> </tr> <tr> <td>ID-412</td> <td>BAR DETAILS</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>LV0-00</td> <td>LOW VOLTAGE COVER SHEET</td> <td style="text-align: center;">X</td> </tr> <tr> <td>ID-420</td> <td>DINING ROOM</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>LV0-01</td> <td>LOW VOLTAGE SPECIFICATIONS</td> <td style="text-align: center;">X</td> </tr> <tr> <td>ID-421</td> <td>DINING ROOM</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>LV210</td> <td>OVERALL DEMOLITION LOW VOLTAGE FLOOR PLAN</td> <td style="text-align: center;">X</td> </tr> <tr> <td>ID-430</td> <td>RESTROOMS</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>LV211</td> <td>OVERALL DEMOLITION LOW VOLTAGE CEILING PLAN</td> <td style="text-align: center;">X</td> </tr> <tr> <td>ID-431</td> <td>RESTROOMS</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>LV210</td> <td>LOW VOLTAGE FLOOR PLAN</td> <td style="text-align: center;">X</td> </tr> <tr> <td>ID-440</td> <td>PRIVATE DINING</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td>LV310</td> <td>LOW VOLTAGE CEILING PLAN</td> <td style="text-align: center;">X</td> </tr> <tr> <td>ID-441</td> <td>PRIVATE DINING</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td colspan="3">Total Sheets: 55</td> </tr> <tr> <td>ID-442</td> <td>PRIVATE DINING</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td colspan="3"></td> </tr> <tr> <td>ID-450</td> <td>KITCHEN + BOH</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td 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ID-442	PRIVATE DINING	X	X																																																																																																																																																																																																																																																																	
ID-450	KITCHEN + BOH	X	X																																																																																																																																																																																																																																																																	
ID-451	KITCHEN + BOH	X	X																																																																																																																																																																																																																																																																	
ID-800	MATERIAL FINISH SCHEDULE	X	X																																																																																																																																																																																																																																																																	
ID-801	MATERIAL FINISH SCHEDULE	X	X																																																																																																																																																																																																																																																																	

**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

**REVISIONS**

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**TITLE SHEET**

50% DESIGN DEVELOPMENT

DRAWING SCALE: WGA PROJECT NUMBER:  
23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:

A-001



MATERIALS SYMBOLS	
	ALUMINUM
	BATT INSULATION
	BRICK AND CONCRETE MASONRY (IN ELEVATION)
	BRICK/CONCRETE MASONRY (IN ENLARGED ELEVATION)
	CAST-IN-PLACE AND PRECAST CONCRETE
	CEMENTITIOUS FIREPROOFING
	CONCRETE MASONRY
	CONCRETE, STUCCO OR PLASTER (IN ELEVATION)
	CORRUGATED METAL (IN ELEVATION)
	SOIL
	FIRESAFING
	FINISH WOOD (END VIEW)
	GLASS IN ELEVATION
	GYPSUM BOARD
	POROUS FILL (GRAVEL)
	ROUGH WOOD FRAMING AND BLOCKING (END VIEW)
	PLYWOOD OR MEDIUM DENSITY FIBERBOARD (MDF) AS NOTED
	ROOF BALLAST
	RIGID INSULATION
	RESINOUS TERRAZZO
	STONE
	STEEL
	SAND OR PLASTER
	TERRAZZO
	WOOD VENEER (IN ELEVATION)

LINE REFERENCE LEGEND	
	DIMENSION LINE
	CENTER LINE
	FINISH FLOOR LINE
	LIMIT OF CONSTRUCTION LINE
	PROPERTY AND BOUNDARY LINE
	UTILITY, ELECTRICAL, AND TELEPHONE LINES P - POWER SS - STORM SEWER W - WATER S - SANITARY SEWER T - TELEPHONE G - GAS

ARCHITECTURAL SYMBOLS	
	DRAWING TITLE & GRAPHIC SCALE
	SECTION/DETAIL MARKER
	ELEVATION - EXTERIOR BUILDING
	ELEVATION - INTERIOR
	ENLARGED DETAIL OR PLAN INDICATOR
	ELEVATION LEVEL MARKERS
	SPOT ELEVATIONS
	NORTH ARROW
	DIMENSIONING AND GRIDS
	ALIGN SYMBOL
	ROOM NAME AND NUMBER
	ROOM FINISH TYPE TAG
	DOOR NUMBER
	CEILING HEIGHT TAG
	FINISH TAG
	EQUIPMENT, CASEWORK AND TOILET ACCESSORY TAG
	WINDOW TAG
	LOUVER TAG
	REVISION OR ADDENDUM NUMBER
	RFI TAG
	ROOM OCCUPANCY TAG
	STAIR EGRESS TAG
	EXITING LOAD
	SPECIFICATION KEYNOTES AND LEADERLINES

ARCHITECTURAL ABBREVIATIONS	
&	AND
@	INCL
#	INFO
(E)	CENTERLINE
(N)	POUND OR NUMBER
AB	EXISTING
ABV	NEW PLATE
AC	AIR CONDITIONING
AB	ANCHOR BOLT
ACT	ABOVE
AD	ACOUSTICAL TILE
ADH	ACCESS DOOR
ADJ	ADHESIVE
AFF	ADJACENT
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
BOARD	BOARD
BEL	BELOW
BET	BETWEEN
BLDG	BUILDING
BLK	BLOCKING
BO	BY OWNER
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT-UP ROOF
C	CHANNEL
C TO C	CENTER TO CENTER
CAB	CABINET
CG	CORNER GUARD
CIPC	CAST-IN-PLACE CONCRETE
CJ	CONTROL JOINT
CLS	CEILING
CLOS	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET
DBL	DOUBLE
DEMO	DEMOLISHED
DEPT	DEPARTMENT
DIAG	DIAGONAL
DIAM	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION ABOVE DATUM
ELEC	ELECTRICAL
ELEV	BUILDING ELEVATION/ELEVATOR
EMER	EMERGENCY
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FIN	FINISHED
FLUOR	FLUORESCENT
FND	FOUNDATION
FACE OF	FACE OF
FR	FIRE RESISTIVE (RETARDANT)
FTG	FOOTING
FURR	FURRING
FUT	FUTURE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GYPB	GYPSUM BOARD (DRY WALL)
HCAP	HANDICAPPED
HDW	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HVAC	HEATING/VENTILATION/AIR CONDITIONING
ID	INTERIOR DESIGNER
INCL	INCLUDE(D), (ING)
INSUL	INSULATION
INT	INTERMEDIATE
JAN	JANITOR
JBOX	JUNCTION BOX
KD	KNOCK DOWN
KO	KNOCKOUT
KPL	KICKPLATE
LONG	LONG (LENGTH)
LAM	LAMINATE(D)
LAV	LAVATORY
LH	LEFT HAND
LP	LOW POINT
LT	LIGHT
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURE (D) (R)
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MULL	MULLION
NA	NOT APPLICABLE
NTS	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
O TO O	OUT TO OUT
OA	OVERALL
ON CENTER(S)	ON CENTER(S)
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPG	OPENING
OPP	OPPOSITE
PERP	PERPENDICULAR
PLAM	PLASTIC LAMINATE
PNL	PANEL
POL	POLISHED
PR	PAIR
PROJ	PROJECT
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
R	RISER
RA	RETURN AIR
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
REFR	REFRIGERATOR
REFR	REFRIGERATOR REINFORCE(D), (ING)
REQ	REQUIRED
REV	REVISION(S), REVISED
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
SA	SUPPLY AIR
SC	SOLID CORE
SF	SQUARE FOOT (FEET)
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
STOR	STORAGE
STR	STRUCTURAL
SYM	SYMMETRY(ICAL)
T	TREAD
T&G	TONGUE AND GROOVE
TELE	TELEPHONE
THRU	THROUGH
TO	TOP OF
TS	(STRUCTURAL) TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UNO	UNLESS OTHERWISE NOTED
VB	VAPOR RETARDER (BARRIER)
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VTR	VENT THRU ROOF
W	WITH
W/O	WITHOUT
W	WIDE FLANGE
WC	WATER CLOSET
WP	WATERPROOFING
WR	WATER RESISTANT
WT	WEIGHT
YD	YARD

GENERAL NOTES	
<b>COMPLIANCE</b>	ALL WORK SHALL CONFORM TO AND SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND ALL FEDERAL, STATE, COUNTY, CITY AND LOCAL LAWS, CODES, REGULATIONS, ORDINANCES, PERMITS AND THE CONTRACT DOCUMENTS AS EACH MAY APPLY.
	THE AMERICANS WITH DISABILITIES ACT (A.D.A.) IS SUBJECT TO VARIOUS AND POSSIBLY CONTRADICTORY INTERPRETATIONS. THESE CONTRACT DOCUMENTS REPRESENT THE ARCHITECT'S INTERPRETATION OF THE A.D.A. ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (A.D.A.G.) ONLY AS IT APPLIES TO THE SUBJECT PROJECT, BUT IS NOT IN ANY WAY A WARRANTY OR GUARANTEE THAT SAID CONTRACT DOCUMENTS COMPLY WITH ANY OR ALL POSSIBLE INTERPRETATIONS OF THE A.D.A.G. BY OTHERS.
	IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (A.D.A.G.) WHERE NON-SPECIFIED PRODUCTS AND/OR MATERIALS ARE SUBSTITUTED BY THE CONTRACTOR(S), THE CONTRACTOR(S) SHALL ENSURE THAT SUCH SUBSTITUTED ITEMS MEET OR EXCEED THE REQUIREMENTS OF THE A.D.A.G.
<b>SAFETY</b>	THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR(S) SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO BRACING, SCAFFOLDING, AND SHORING.
	THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION 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 AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
<b>DISCREPANCIES</b>	THE CONTRACTOR(S) SHALL VISIT THE SITE AND BECOME COMPLETELY FAMILIAR WITH ALL EXISTING CONDITIONS IN THE AREAS OF CONSTRUCTION PRIOR TO SUBMITTING BIDS AND/OR THE COMMENCEMENT OF ANY WORK.
	ANY DISCREPANCIES OR HIDDEN CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
	CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONTRACT DOCUMENTS AND/OR EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF WORK.
	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 ATTENTION OF THE ARCHITECT AND SHALL BE RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
	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 INDICATED, BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS SHALL BE USED, SUBJECT TO THE REVIEW OF THE ARCHITECT.
<b>WORKMANSHIP</b>	THESE CONTRACT DOCUMENTS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF THE ARCHITECTURAL DESIGN CONCEPT, THE DIMENSIONS OF THE BUILDING, MAJOR ARCHITECTURAL ELEMENTS, AND THE TYPE OF STRUCTURAL SYSTEMS. ON THE BASIS OF THE GENERAL SCOPE INDICATED OR DESCRIBED, THE CONTRACTOR(S) SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
	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 COMPLETION OF THE PROJECT.
	ALL TRADES SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.
	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 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 PORTION OF HIS WORK.
<b>DIMENSIONS</b>	DO NOT SCALE DRAWINGS.
	IF DISCREPANCIES IN THE PLACEMENT OF ARCHITECTURAL ELEMENTS (PARTITIONS, DOOR LOCATIONS, ETC.) OCCUR BETWEEN ARCHITECTURAL DRAWINGS AND ENGINEERING DRAWINGS, THE ARCHITECTURAL DRAWINGS SHALL GOVERN.
	ALL DIMENSIONS ON ARCHITECTURAL DRAWINGS LOCATING STRUCTURAL ELEMENTS, ARE TO THE CENTERLINE OF COLUMNS AND BEAMS, UNLESS NOTED OTHERWISE.
	ALL DIMENSIONS LOCATING EXTERIOR WALL SYSTEMS ARE TO FACE OF STUD OR FACE OF CMU WALL, UNLESS NOTED OTHERWISE.
	ALL DIMENSIONS LOCATING INTERIOR GYPSUM WALLBOARD PARTITIONS ARE TO FACE OF STUD, UNLESS NOTED OTHERWISE.
	ALL DIMENSIONS LOCATING DOORS IN INTERIOR GYPSUM WALLBOARD PARTITIONS ARE TO EDGE OF FRAME, UNLESS NOTED OTHERWISE.
	ALL DIMENSIONS LOCATING OPENINGS IN MASONRY WALL SYSTEMS ARE TO EDGE OF MASONRY OPENINGS, UNLESS NOTED OTHERWISE.
	ALL DIMENSIONS FROM EXISTING WALLS ARE FROM THE FINISHED FACE, UNLESS NOTED OTHERWISE.
<b>GENERAL CONSTRUCTION REQUIREMENTS</b>	NEW CONSTRUCTION SHALL CONFORM TO THE FIRE-RESISTIVE REQUIREMENTS OF THE APPLICABLE BUILDING CODE
	ALL EXPOSED STEEL SURFACES THAT ARE WELDED ARE TO BE GROUND SMOOTH, PRIMED AND PAINTED.
	ALL REQUIRED EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT. EXIT SIGNS SHALL BE PROVIDED AT ALL EXITS AS REQUIRED BY THE BUILDING CODE STATED ON THE COVER SHEET.
	SEE THE INTERIOR DESIGN DRAWINGS AND FINISH SCHEDULES FOR FINISHES OF INTERIOR WALLS, CEILINGS, SOFFITS AND SIMILAR INTERIOR SURFACES.
<b>EQUIPMENT</b>	VERIFY ALL SERVICE REQUIREMENTS AND ROUGH-IN DIMENSIONS FOR EQUIPMENT WITH THE MANUFACTURER.
	NOT IN CONTRACT (N.I.C.) EQUIPMENT IS NOT FURNISHED AS A PART OF THE CONSTRUCTION CONTRACT. THE OWNER WILL FURNISH, SET IN PLACE AND CONNECT OR WILL CONTRACT SEPARATELY TO HAVE THE EQUIPMENT FURNISHED, PLACED AND CONNECTED TO SERVICES IF ANY.
	BY OWNER (B.O.) EQUIPMENT IS FURNISHED BY THE OWNER. THE CONTRACTOR(S) IS TO RELOCATE AND/OR INSTALL AND CONNECT TO ALL REQUIRED SERVICES.
	INSTALL ALL MATERIALS AND COMPONENTS IN NEW CONDITION (UNLESS NOTED OTHERWISE) PER MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS FULLY WARRANTED.
<b>SPECIAL INSPECTIONS</b>	REQUIRED SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE.

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PROFESSIONAL SEAL

**NOT FOR CONSTRUCTION**

CONSULTANT:

CLIENT/PROJECT:

**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**ABBREVIATIONS & GENERAL NOTES**

50% DESIGN DEVELOPMENT

As prepared and submitted by the Designer and in accordance with the contract documents. The Designer shall not be responsible for the accuracy of the information provided by the contractor. The Designer shall not be responsible for the accuracy of the information provided by the contractor. The Designer shall not be responsible for the accuracy of the information provided by the contractor.

DRAWING SCALE:	WGA PROJECT NUMBER:
12" = 1'-0"	23-209
PROGRESS DATE:	
22 DECEMBER 2023	
SHEET NUMBER:	

**A-003**



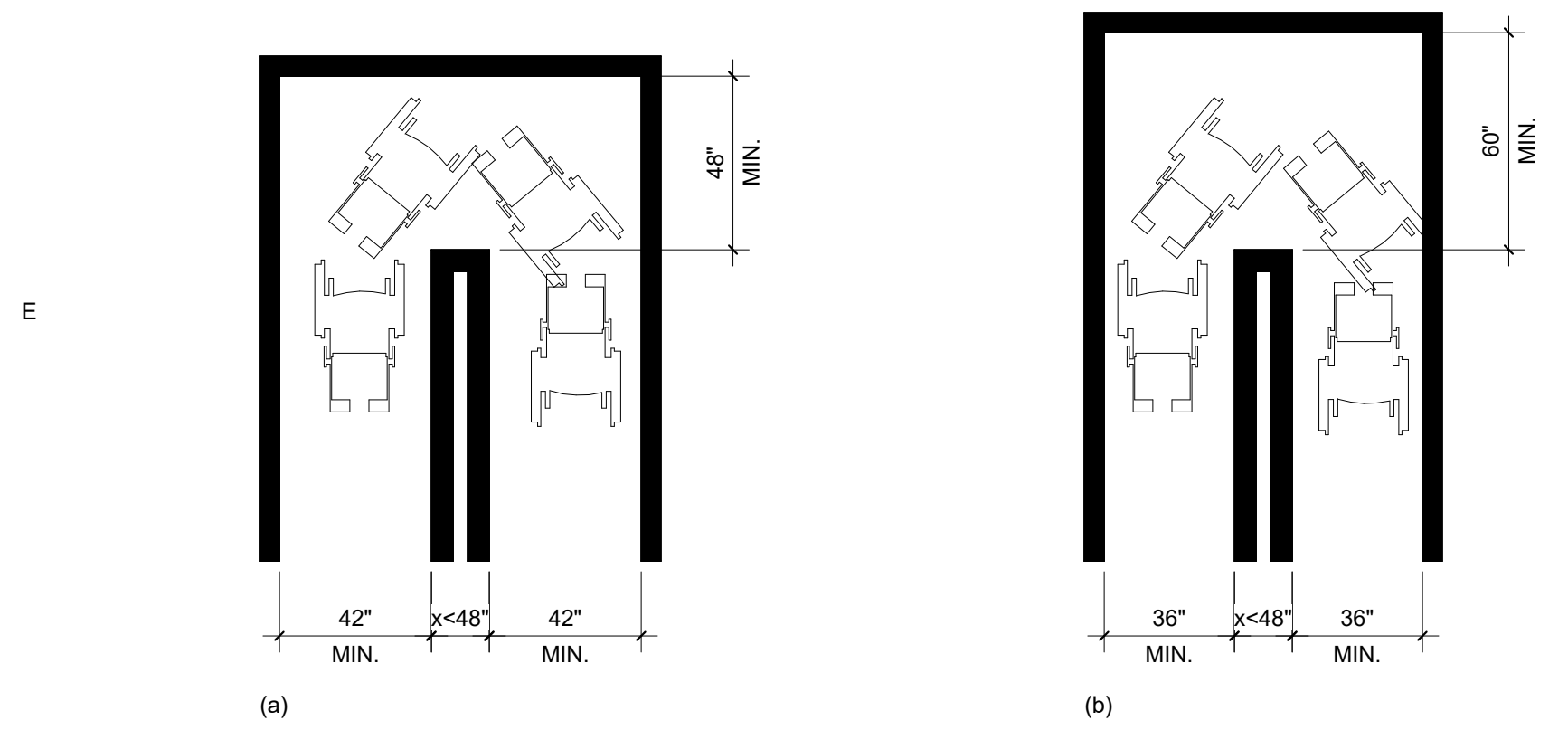


FIG. 403.5.1  
CLEAR WIDTH AT TURN

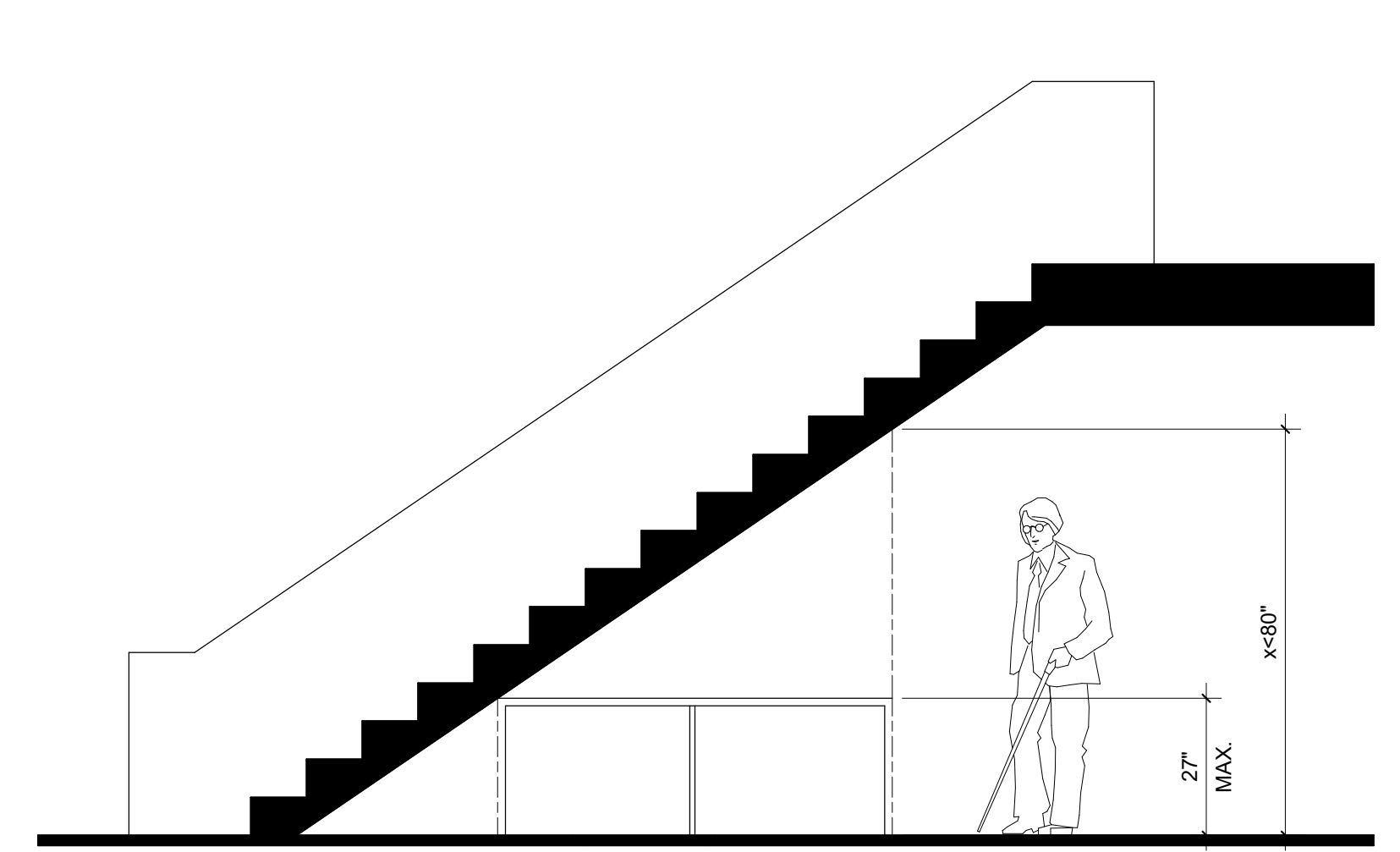


FIG. 307.4  
REDUCED VERTICAL CLEARANCE

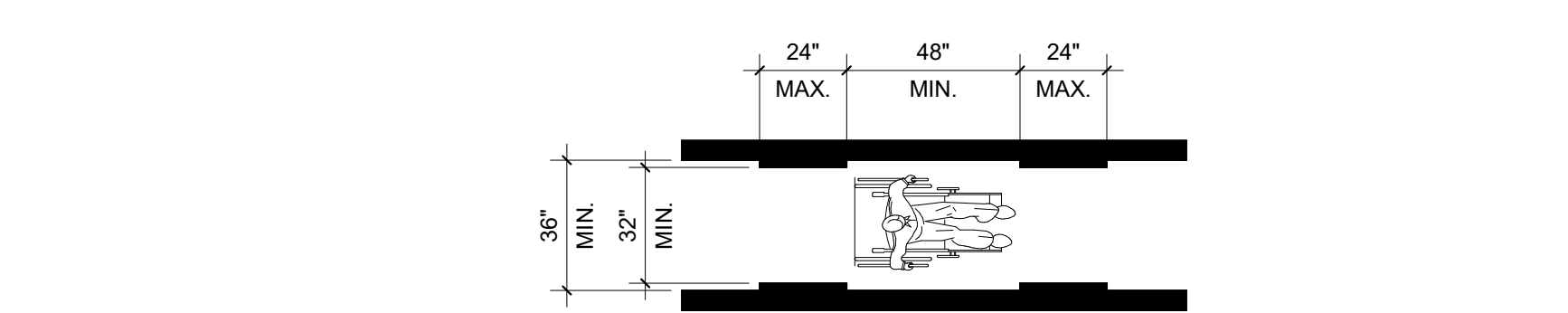


FIG. 403.5  
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

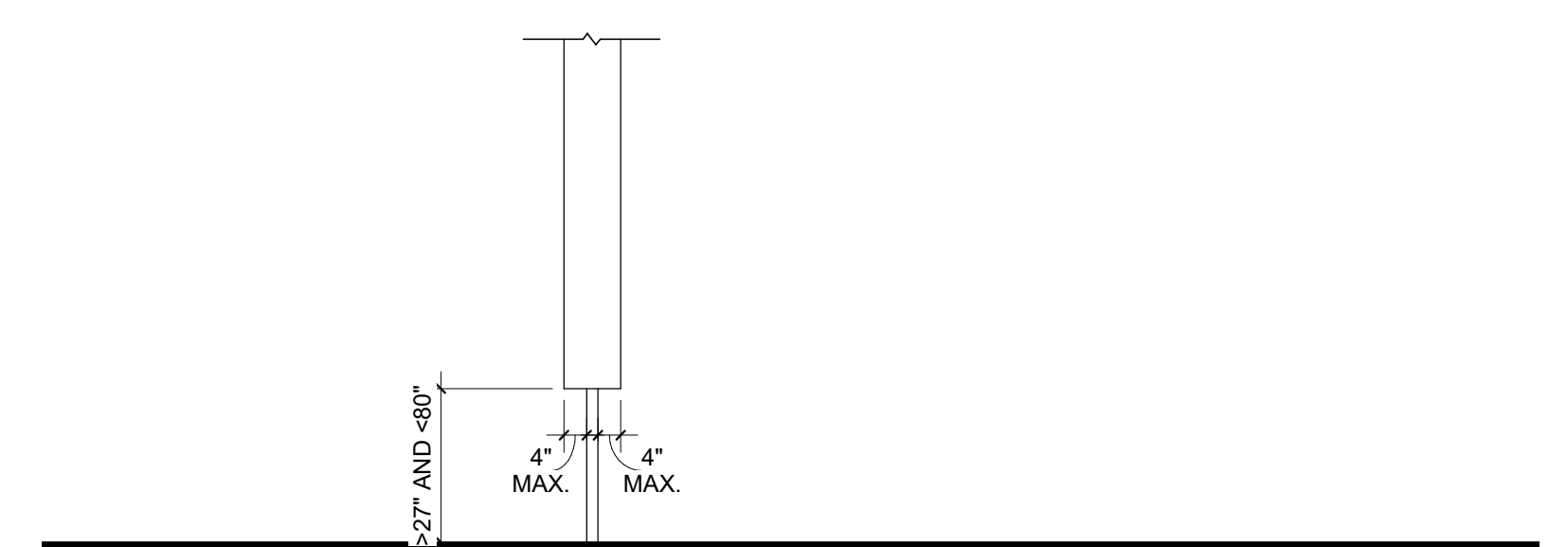


FIG. 306.3  
KNEE CLEARANCE

**ANSI 403.2 FLOOR SURFACE.** FLOOR SURFACES SHALL COMPLY WITH SECTION 302.

**ANSI 403.3 SLOPE.** THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48.

**ANSI 403.2 CHANGES IN LEVEL.** CHANGES IN LEVEL SHALL COMPLY WITH SECTION 303.

**ANSI 403.5 CLEAR WIDTH.** CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36 INCHES MINIMUM.

**EXCEPTION:** THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32 INCHES MINIMUM FOR A LENGTH OF 24 INCHES PROVIDED THE REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48 INCHES MINIMUM IN LENGTH AND 36 INCHES MINIMUM IN WIDTH.

**ANSI 403.5.1 CLEAR WIDTH AT 180 DEGREE TURN.** WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN 48 INCHES IN WIDTH, CLEAR WIDTHS SHALL BE 42 INCHES MINIMUM APPROACHING THE TURN, 48 INCHES MINIMUM DURING THE TURN, AND 42 INCHES MINIMUM LEAVING THE TURN.

**EXCEPTION:** SECTION 403.5.1 SHALL NOT APPLY WHERE THE CLEAR WIDTH DURING THE TURN IS 60 INCHES MINIMUM.

**ANSI 403.5.2 PASSING SPACE.** AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60 INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FEET MAXIMUM. PASSING SPACES SHALL BE EITHER A 60 INCH MINIMUM BY 60 INCH MINIMUM SPACE, OR AN INTERSECTION OF TWO WALKING SURFACES THAT PROVIDE A T-SHAPED TURNING SPACE COMPLYING WITH SECTION 304.3.2, PROVIDED THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND 48 INCHES MINIMUM BEYOND THE INTERSECTION.

**403.6 HANDRAILS.** WHERE HANDRAILS ARE REQUIRED AT THE SIDE OF A CORRIDOR THEY SHALL COMPLY WITH SECTIONS 505.4 THROUGH 505.9.

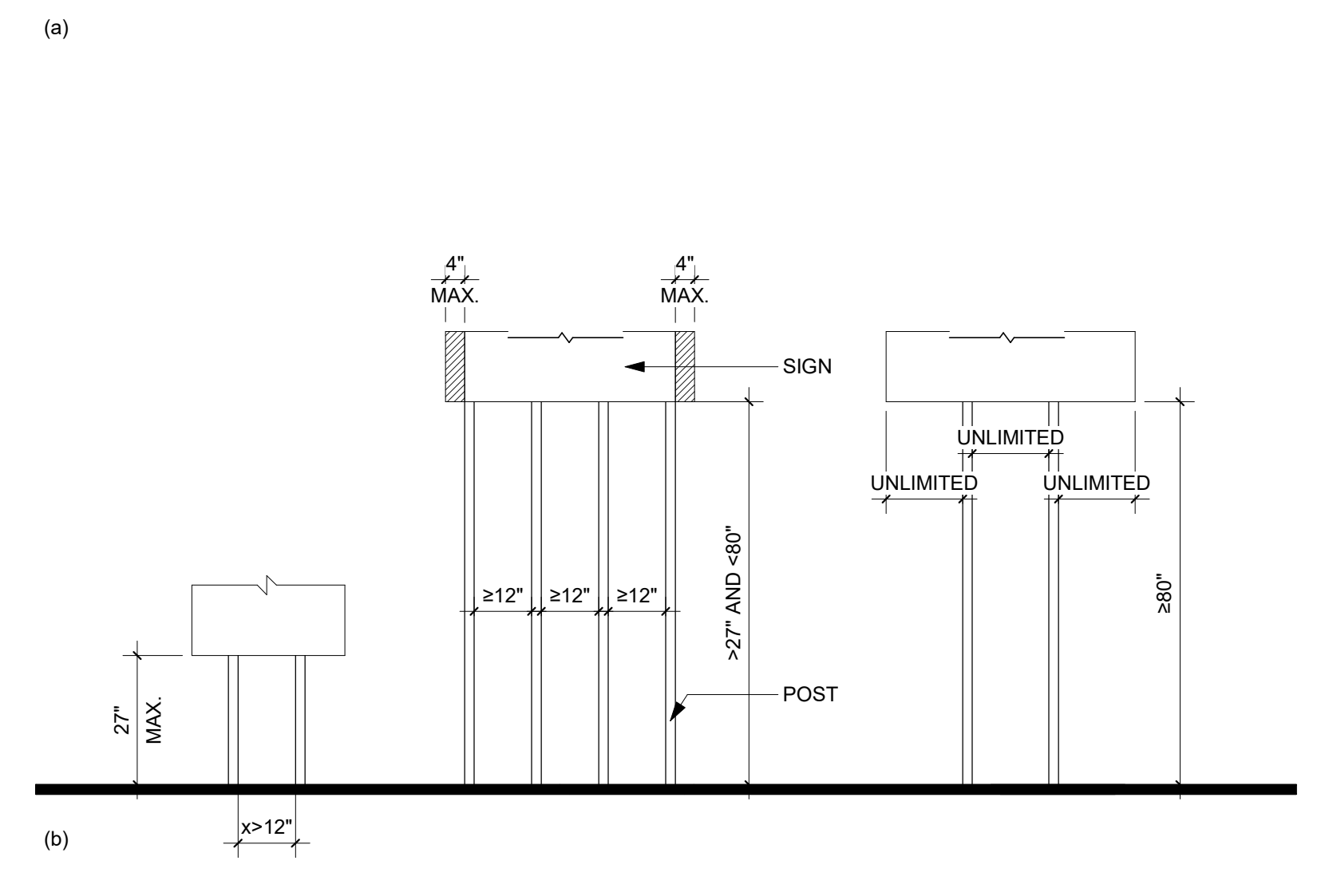


FIG. 307.3  
POST-MOUNTED PROTRUDING OBJECTS

**9 403 - ACCESSIBLE ROUTE**  
SCALE: 1/4" = 1'-0"

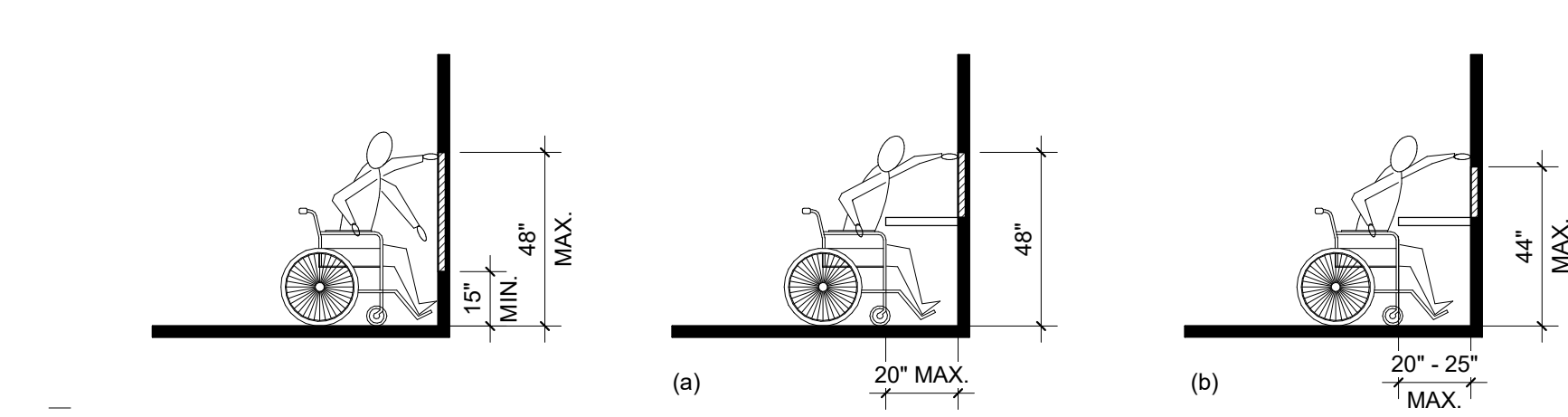


FIG. 308.2.1  
UNOBSTRUCTED FORWARD REACH

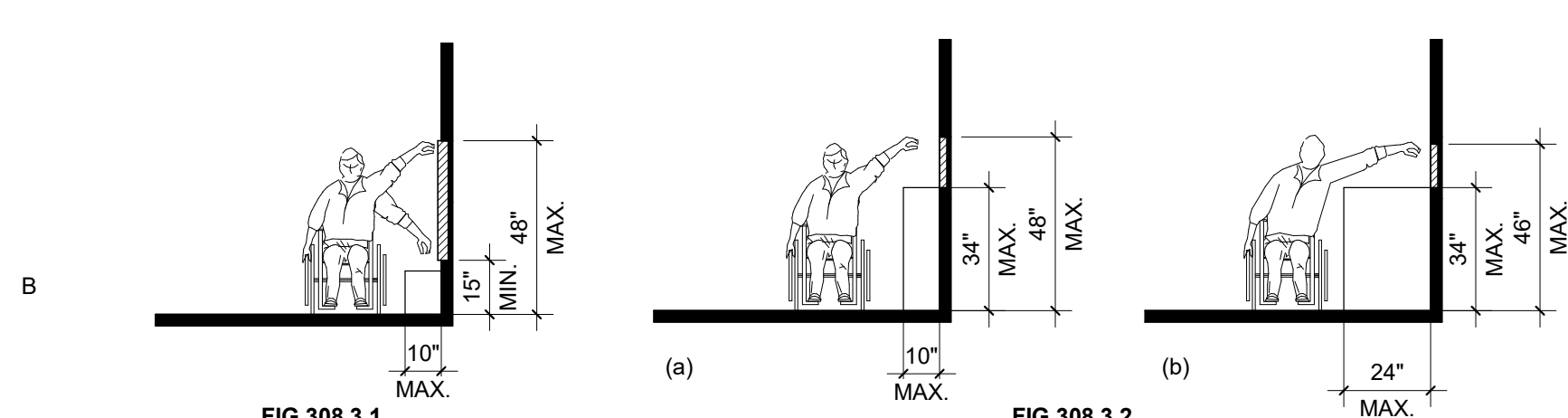


FIG. 308.3.1  
UNOBSTRUCTED SIDE REACH

**ANSI 308.2.1 UNOBSTRUCTED.** WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FLOOR OR GROUND.

**ANSI 308.2.2 OBSTRUCTED HIGH REACH.** WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM ABOVE THE FLOOR WHERE THE REACH DEPTH IS 20 INCHES MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES, THE HIGH FORWARD REACH SHALL BE 44 INCHES MAXIMUM ABOVE THE FLOOR, AND THE REACH DEPTH SHALL BE 25 INCHES MAXIMUM.

**SIDE REACH**

**ANSI 308.3.1 UNOBSTRUCTED.** WHERE A CLEAR FLOOR COMPLYING WITH SECTION 305 ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE EDGE OF THE CLEAR FLOOR SPACE IS 10 INCHES MAXIMUM FROM THE ELEMENT, THE HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FLOOR.

**EXCEPTION:** EXISTING ELEMENTS THAT ARE NOT ALTERED SHALL BE PERMITTED AT 54 INCHES MAXIMUM ABOVE THE FLOOR.

**ANSI 308.3.2 OBSTRUCTED HIGH REACH.** WHERE A CLEAR FLOOR COMPLYING WITH SECTION 305 ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES MAXIMUM ABOVE THE FLOOR AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM ABOVE THE FLOOR FOR A REACH DEPTH OF 10 INCHES MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES THE HIGH SIDE REACH SHALL BE 46 INCHES MAXIMUM FOR A REACH DEPTH OF 24 INCHES MAXIMUM.

**EXCEPTION:** AT WASHING MACHINES AND CLOTHES DRYERS, THE HEIGHT OF THE OBSTRUCTION SHALL BE PERMITTED TO BE 36 INCHES MAXIMUM ABOVE THE FLOOR.

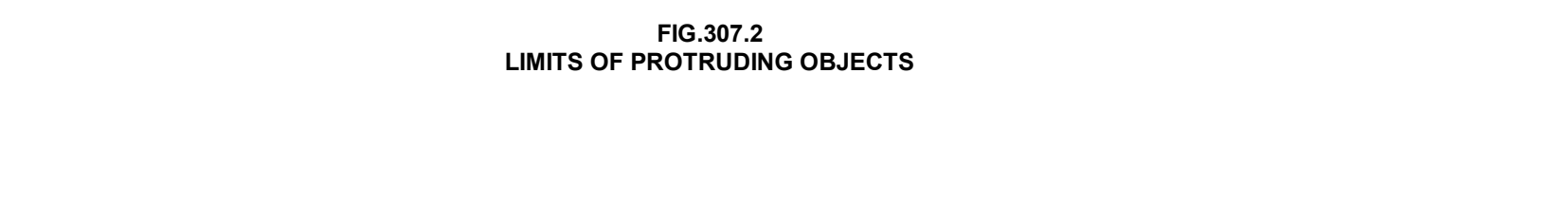


FIG. 307.2  
LIMITS OF PROTRUDING OBJECTS

**8 308 - SIDE AND FORWARD REACH LIMITATIONS**  
SCALE: 1/4" = 1'-0"

**ANSI 307.2 PROTRUSION LIMITS.** OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES AND NOT MORE THAN 80 INCHES ABOVE THE FLOOR OR GROUND SHALL PROTRUDE 4 INCHES MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH.

**EXCEPTION:** HANDRAILS SERVING STAIRS AND RAMPS SHALL BE PERMITTED TO PROTRUDE 4 1/2 INCHES MAXIMUM.

**ANSI 307.3 POST-MOUNTED OBJECT.** OBJECT ON A SINGLE POST OR PYLON SHALL BE PERMITTED TO OVERHANG 4 INCHES MAXIMUM WHERE MORE THAN 27 INCHES AND NOT MORE THAN 80 INCHES ABOVE THE FLOOR OR GROUND. OBJECTS ON MULTIPLE POSTS OR PYLONS WHERE THE CLEAR DISTANCE BETWEEN THE POSTS OR PYLONS IS GREATER THAN 12 INCHES, SHALL HAVE THE LOWEST EDGE OF SUCH OBJECT EITHER 27 INCHES MAXIMUM OR 60 INCHES MINIMUM ABOVE THE FLOOR OR GROUND SURFACE.

**EXCEPTION:** SLOPING PORTIONS OF HANDRAILS BETWEEN THE TOP AND BOTTOM RISER OF STAIRS AND ABOVE THE RAMP RUN SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 307.3.

**ANSI 307.4 VERTICAL CLEARANCE.** VERTICAL CLEARANCE SHALL BE 80 INCHES MINIMUM. RAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80 INCHES. THE LEADING EDGE OF SUCH RAILS OR BARRIER SHALL BE LOCATED 27 INCHES MAXIMUM ABOVE THE FLOOR.

**EXCEPTION:** DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES MINIMUM ABOVE THE FLOOR.

**7 307 - PROTRUDING OBJECTS**  
SCALE: 3/8" = 1'-0"

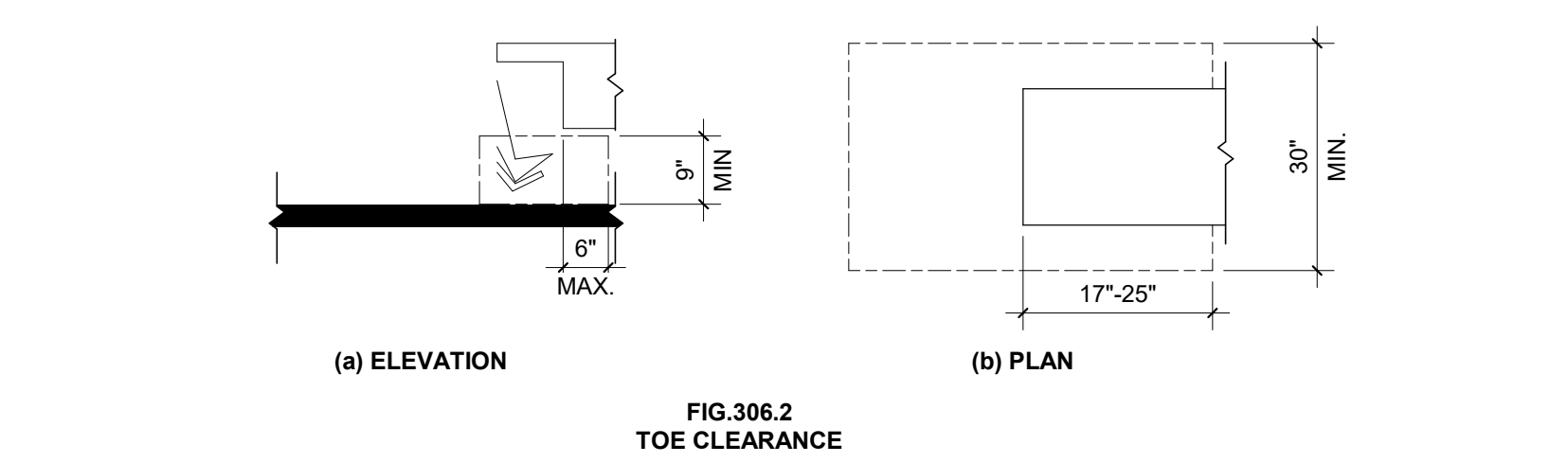


FIG. 306.2  
TOE CLEARANCE

**ANSI 306.1 GENERAL.** WHERE SPACE BENEATH AN ELEMENT IS INCLUDED AS PART OF CLEAR FLOOR OR GROUND SPACE AT AN ELEMENT, CLEARANCE AT AN ELEMENT, OR A WHEELCHAIR TURNING SPACE, THE SPACE SHALL COMPLY WITH SECTION 306. ADDITIONAL SPACE SHALL NOT BE PROHIBITED BENEATH AN ELEMENT, BUT SHALL NOT BE CONSIDERED AS PART OF THE CLEAR FLOOR SPACE OR TURNING SPACE.

**ANSI 306.2 TOE CLEARANCE.**

**ANSI 306.2.1 GENERAL.** SPACE BENEATH AN ELEMENT BETWEEN THE FLOOR AND 9 INCHES ABOVE THE FLOOR SHALL BE CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH SECTION 306.2.

**ANSI 306.2.2 MAXIMUM DEPTH.** TOE CLEARANCE SHALL BE PERMITTED TO EXTEND 25 INCHES MAXIMUM UNDER AN ELEMENT.

**ANSI 306.2.3 MINIMUM DEPTH.** WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 305, THE TOE CLEARANCE SHALL EXTEND 17 INCHES MINIMUM BENEATH THE ELEMENT.

**ANSI 306.2.4 ADDITIONAL CLEARANCE.** SPACE EXTENDING GREATER THAN 6 INCHES BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES ABOVE THE FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.

**ANSI 306.2.5 WIDTH.** TOE CLEARANCE SHALL BE 30 INCHES WIDE MINIMUM.

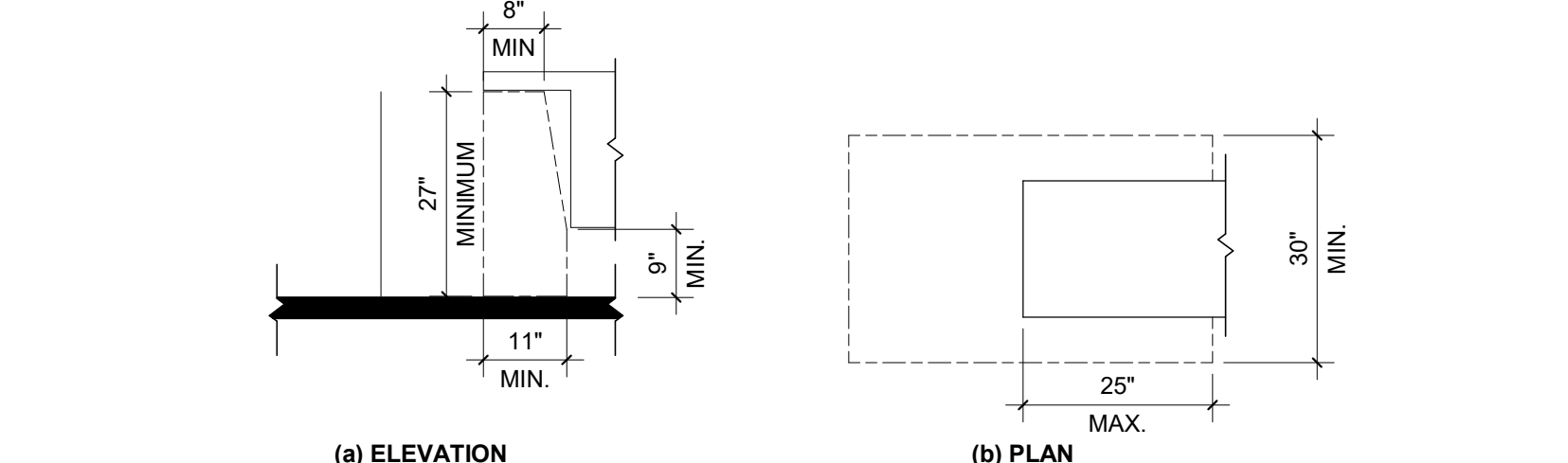


FIG. 306.3  
KNEE CLEARANCE

**ANSI 306.3 KNEE CLEARANCE.**

**ANSI 306.3.1 GENERAL.** SPACE BENEATH AN ELEMENT BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH SECTION 306.3.

**ANSI 306.3.2 MAXIMUM DEPTH.** KNEE CLEARANCE SHALL BE PERMITTED TO EXTEND 25 INCHES MAXIMUM UNDER AN ELEMENT AT 9 INCHES ABOVE THE FLOOR OR GROUND.

**ANSI 306.3.3 MINIMUM DEPTH.** WHERE KNEE CLEARANCE IS REQUIRED BENEATH AN ELEMENT AS PART OF A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 305, THE KNEE CLEARANCE SHALL BE 11 INCHES DEEP MINIMUM AT 9 INCHES ABOVE THE FLOOR OR GROUND, AND 8 INCHES DEEP MINIMUM AT 27 INCHES ABOVE THE FLOOR OR GROUND.

**ANSI 306.3.4 CLEARANCE REDUCTION.** BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO BE REDUCED AT A RATE OF 1 INCH IN DEPTH FOR EACH 6 INCHES IN HEIGHT.

**ANSI 306.3.5 WIDTH.** KNEE CLEARANCE SHALL BE 30 INCHES MINIMUM IN WIDTH.

**6 306 - KNEE AND TOE CLEARANCE**  
SCALE: 1/2" = 1'-0"

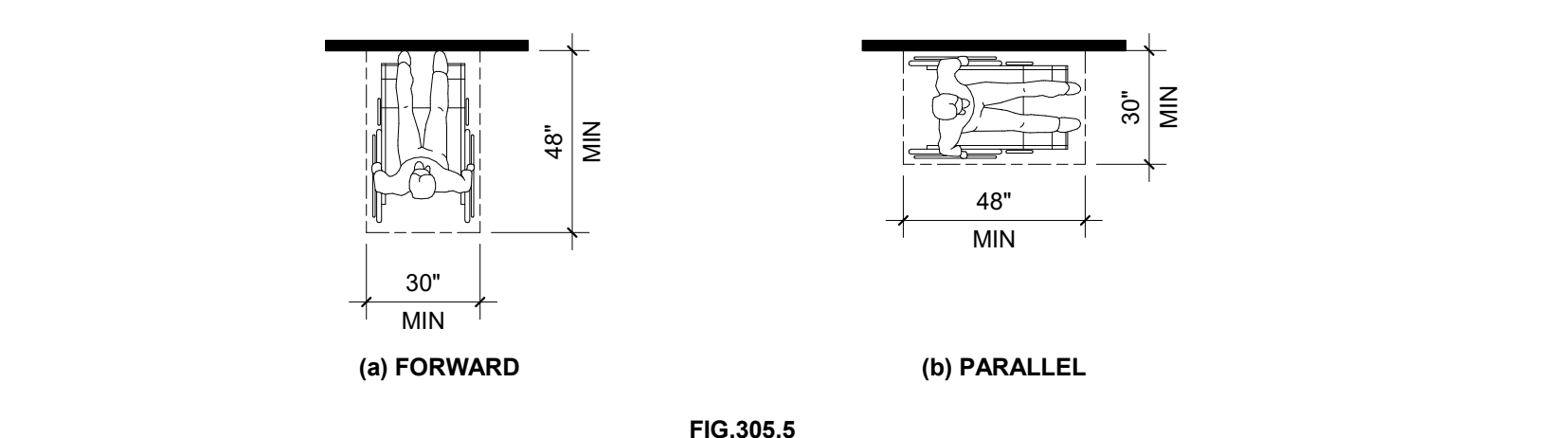


FIG. 305.5  
POSITION OF CLEAR FLOOR OR GROUND SPACE

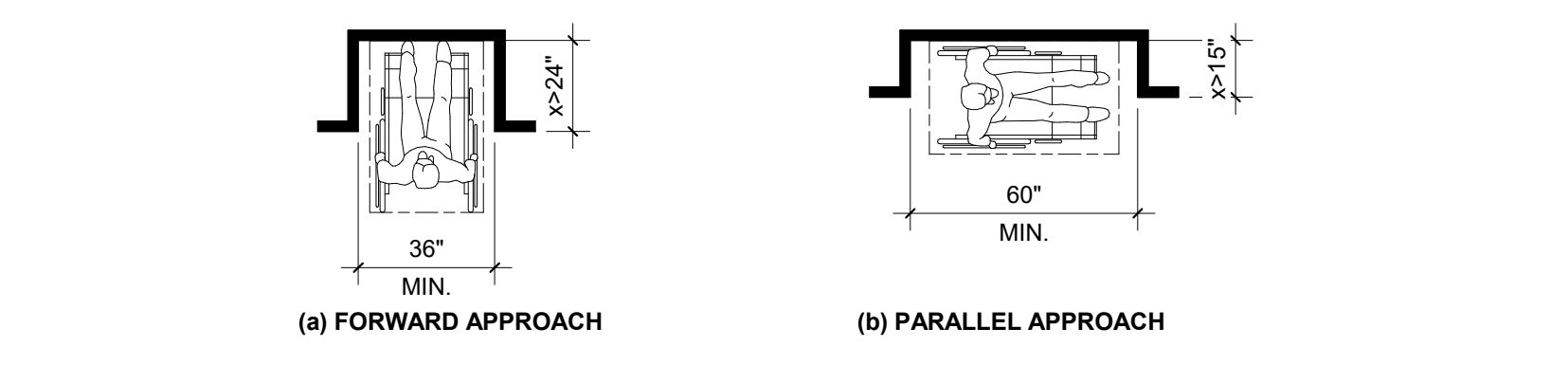


FIG. 305.7  
MANEUVERING CLEARANCE IN AN ALCOVE

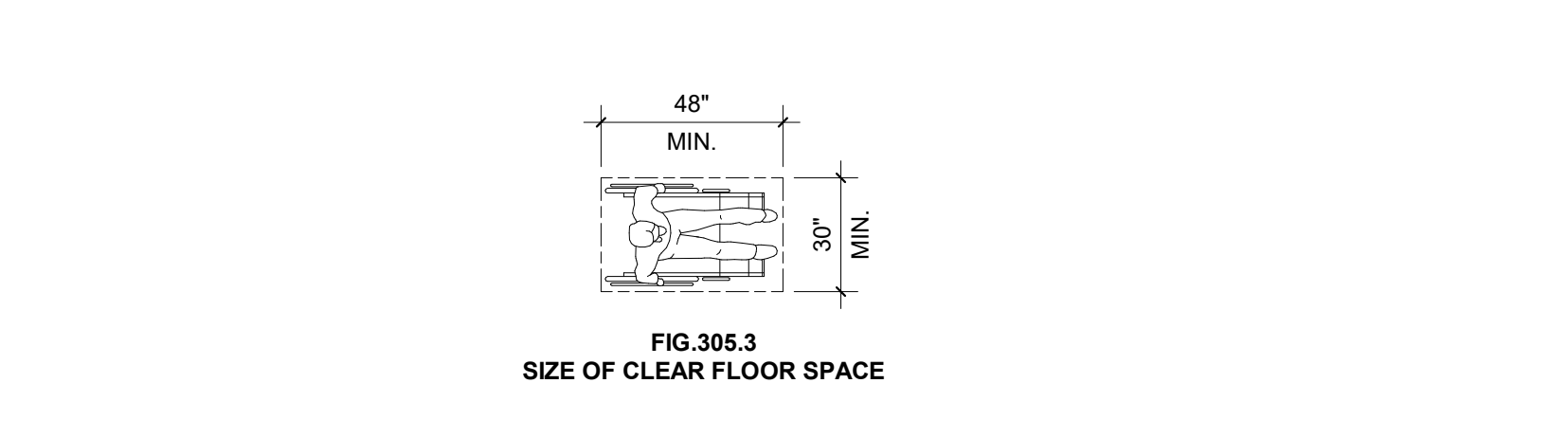


FIG. 305.3  
SIZE OF CLEAR FLOOR SPACE

**ANSI 305.3 SIZE.** THE CLEAR FLOOR SPACE SHALL BE 48 INCHES MINIMUM IN LENGTH AND 30 INCHES MINIMUM IN WIDTH.

**ANSI 305.5 POSITION.** UNLESS OTHERWISE SPECIFIED, THE CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.

**ANSI 305.6 APPROACH.** ONE FULL, UNOBSTRUCTED SIDE OF THE CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR SPACE.

**ANSI 305.7 ALCOVES.** IF A CLEAR FLOOR SPACE IS IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCES COMPLYING WITH SECTIONS 305.7.1 AND 305.7.2 SHALL BE PROVIDED, AS APPLICABLE.

**ANSI 305.7.1 PARALLEL APPROACH.** WHERE THE CLEAR FLOOR SPACE IS POSITIONED FOR A PARALLEL APPROACH, THE ALCOVE SHALL BE 60 INCHES MINIMUM IN WIDTH WHERE THE DEPTH EXCEEDS 15 INCHES.

**ANSI 305.7.2 FORWARD APPROACH.** WHERE THE CLEAR FLOOR SPACE IS POSITIONED FOR A FORWARD APPROACH, THE ALCOVE SHALL BE 36 INCHES MINIMUM IN WIDTH WHERE THE DEPTH EXCEEDS 24 INCHES.

**5 305 - CLEAR FLOOR OR ROUND SPACE FOR WHEELCHAIR**  
SCALE: 1/4" = 1'-0"

**ANSI 309.1 GENERAL.** OPERABLE PARTS REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH SECTION 309.

**ANSI 309.2 CLEAR FLOOR OR GROUND SPACE.** A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 305 SHALL BE PROVIDED.

**ANSI 309.3 HEIGHT.** OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN SECTION 308.

**ANSI 309.4 OPERATION.** OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 LB. (22.2 N.) MAXIMUM.

**EXCEPTIONS:** GAS PUMP NOZZLES SHALL NOT BE REQUIRED TO PROVIDE OPERABLE PARTS THAT HAVE AN ACTIVATING FORCE OF 5.0 POUNDS (22.2 N.) MAXIMUM.

**4 309 - OPERABLE PARTS OF EQUIPMENTS AND APPLIANCES**  
SCALE: 1/4" = 1'-0"

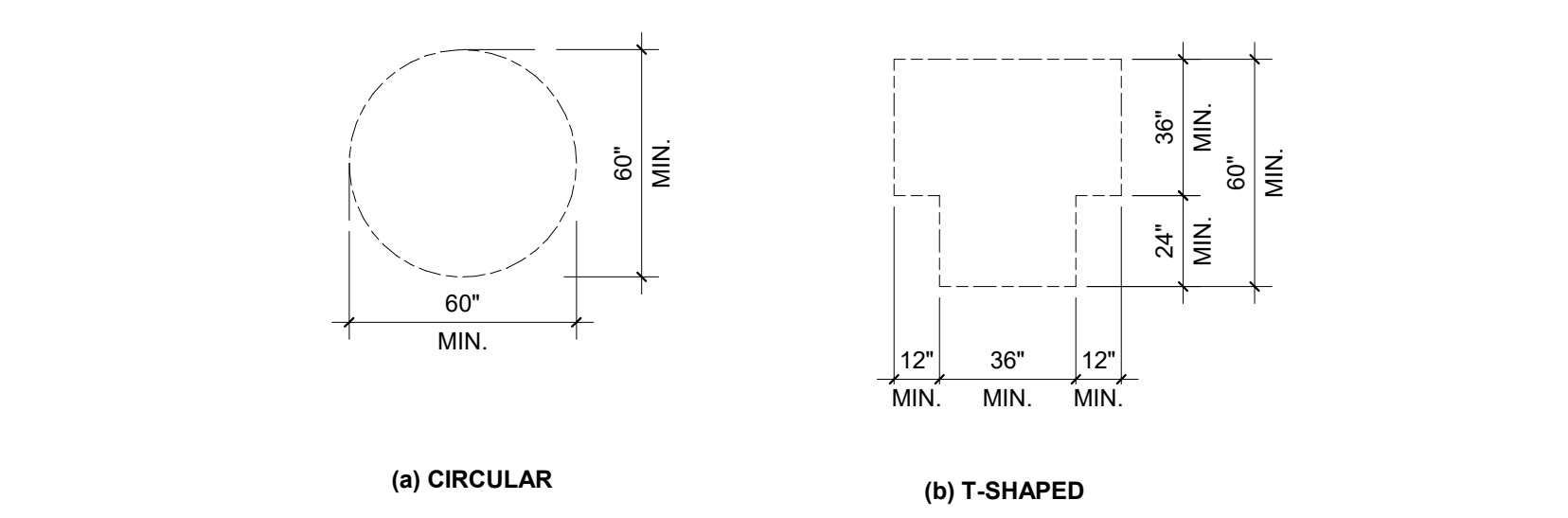


FIG. 304.3  
SIZE OF WHEELCHAIR TURNING SPACE

**ANSI 304.3 SIZE.** WHEELCHAIR TURNING SPACE SHALL COMPLY WITH SECTION 304.3.1 OR 304.3.2.

**ANSI 304.3.1 CIRCULAR SPACE.** THE WHEELCHAIR TURNING SPACE SHALL BE NOT LESS THAN 60 INCHES DIAMETER. MINIMUM WHEELCHAIR TURNING SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306.

**ANSI 304.3.2 T-SHAPED SPACE.** THE WHEELCHAIR TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60 INCHES MINIMUM SQUARE WITH ARMS AND BASE 36 INCHES WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24 INCHES MINIMUM. T-SHAPED WHEELCHAIR TURNING SPACES SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

**ANSI 304.4 DOOR SWING.** UNLESS OTHERWISE SPECIFIED, DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES.

**3 304 - WHEELCHAIR TURNING SPACE**  
SCALE: 1/4" = 1'-0"

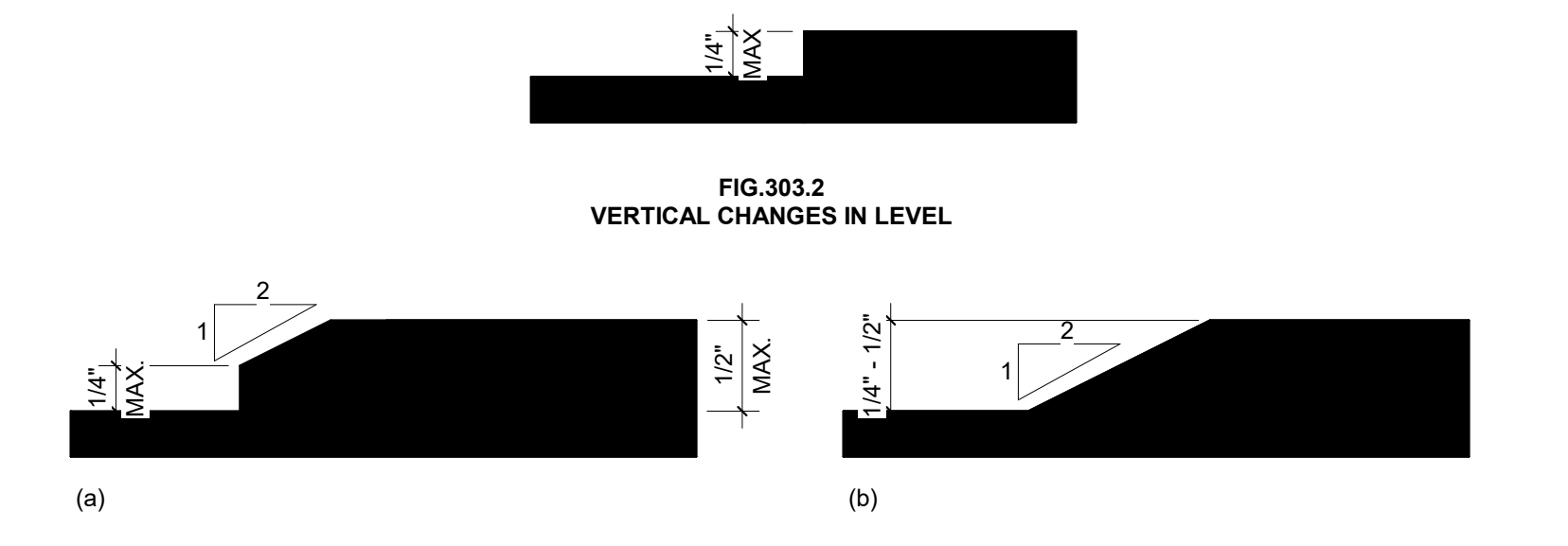
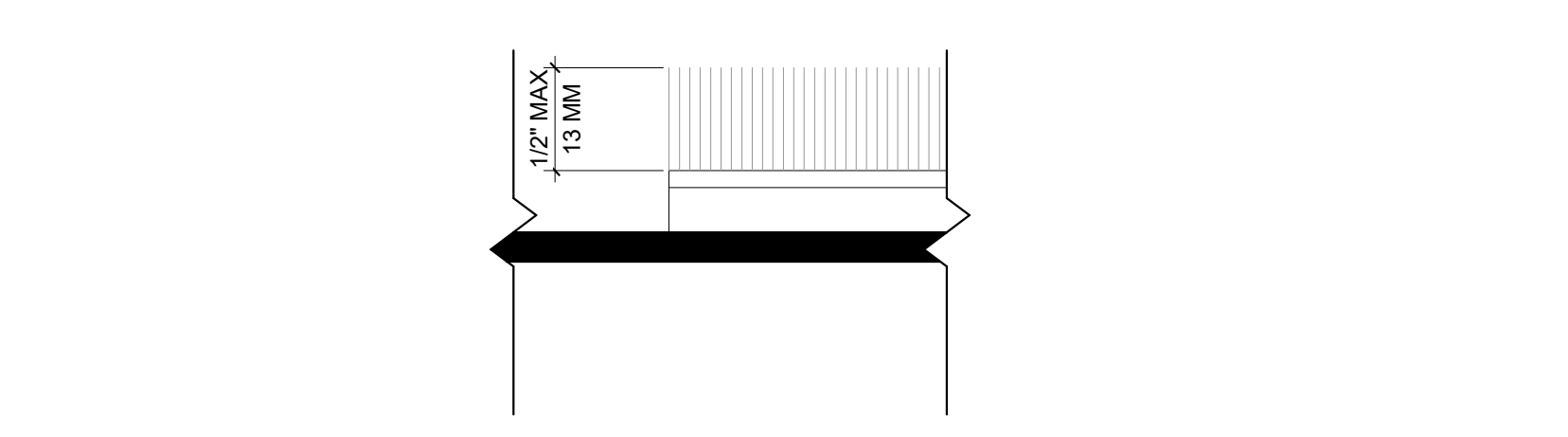


FIG. 303.2  
VERTICAL CHANGES IN LEVEL

**ANSI 303.2 VERTICAL.** CHANGE IN LEVEL OF 1/4 INCH HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

**ANSI 303.3 BEVELED.** CHANGES IN LEVEL BETWEEN 1/4 INCH HIGH MINIMUM AND 1/2 INCH HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

**2 303 - CHANGES IN LEVEL**  
SCALE: 1/2" = 1'-0"



**ANSI 302.1 GENERAL.** FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT, AND SHALL COMPLY WITH SECTION 302. CHANGES IN LEVEL IN FLOOR SURFACES SHALL COMPLY WITH SECTION 303.

**ANSI 302.2 CARPET.** CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNLIT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2 INCH MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 303.

**ANSI 302.3 OPENINGS.** OPENINGS IN FLOOR OR GROUND SURFACES SHALL BE OF A SIZE THAT DOES NOT PERMIT THE PASSAGE OF A 1/2 INCH DIAMETER SPHERE, EXCEPT AS ALLOWED IN SECTIONS 407 AND 408. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

**1 302 - FLOOR OR GROUND SURFACES**  
SCALE: 1/2" = 1'-0"

7535 E. HAMPDEN AVE., SUITE 302  
DENVER, COLORADO 80231  
303-649-1095  
FAX 303-649-1098

9400 GATEWAY DRIVE, SUITE B  
RENO, NEVADA 89521  
775-852-3977  
FAX 775-852-6543

5245 PONDEROSA WAY, SUITE 110  
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702-869-9354

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CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**ANSI A117.1 STANDARD DETAILS**

**50% DESIGN DEVELOPMENT**

DRAWING SCALE:	WGA PROJECT NUMBER:
As indicated	23-209

PROGRESS DATE:  
**22 DECEMBER 2023**

SHEET NUMBER:  
**A-010**



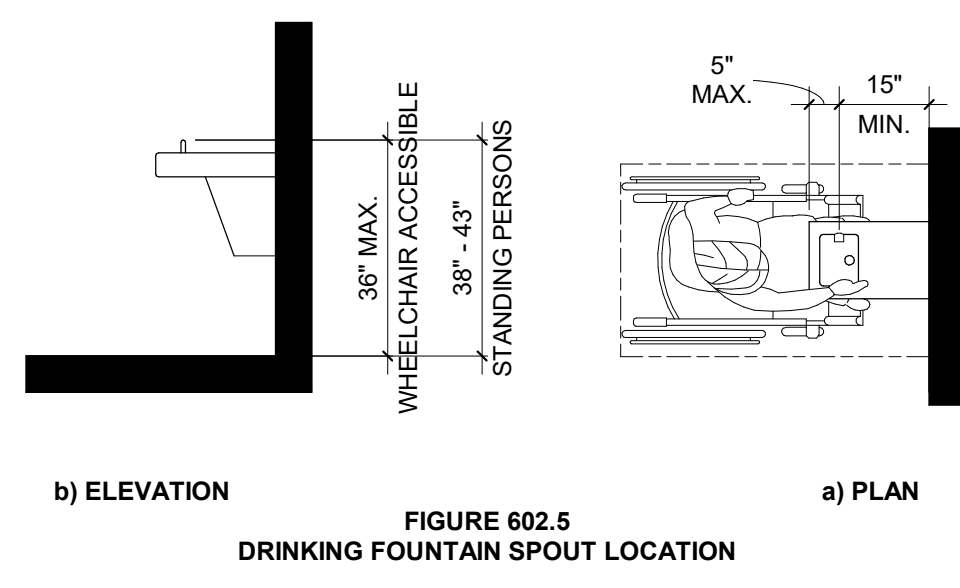


FIGURE 602.5 DRINKING FOUNTAIN SPOUT LOCATION

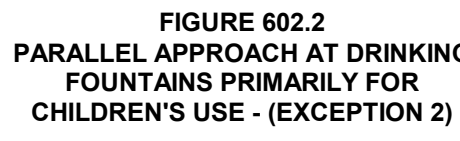


FIGURE 602.2 PARALLEL APPROACH AT DRINKING FOUNTAINS PRIMARILY FOR CHILDREN'S USE - (EXCEPTION 2)

ANSI 602.1 GENERAL. ACCESSIBLE DRINKING FOUNTAINS SHALL COMPLY WITH SECTION 602 AND 307.

ANSI 602.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305, POSITIONED FOR A FORWARD APPROACH TO THE DRINKING FOUNTAIN, SHALL BE PROVIDED. KNEE AND TOE SPACE COMPLYING WITH SECTION 306 SHALL BE CENTERED ON THE DRINKING FOUNTAIN.

EXCEPTIONS:  
1. DRINKING FOUNTAINS FOR STANDING PERSONS  
2. DRINKING FOUNTAINS PRIMARILY FOR CHILDREN'S USE SHALL BE PERMITTED WHERE THE SPOUT OUTLET IS 30 INCHES MAXIMUM ABOVE THE FLOOR. A PARALLEL APPROACH COMPLYING WITH SECTION 305 IS PROVIDED AND THE CLEAR FLOOR SPACE IS CENTERED ON THE DRINKING FOUNTAIN.

ANSI 602.2.1 FORWARD APPROACH. WHERE A FORWARD APPROACH IS PROVIDED, THE CLEAR FLOOR OR GROUND SPACE SHALL BE CENTERED ON THE UNIT AND SHALL INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306.

ANSI 602.2.2 PARALLEL APPROACH. WHERE A PARALLEL APPROACH IS PROVIDED, THE CLEAR FLOOR OR GROUND SPACE SHALL BE CENTERED ON THE UNIT.

ANSI 602.3 OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY WITH SECTION 309.

ANSI 602.4 SPOUT HEIGHT. SPOUT OUTLETS SHALL BE 36 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND.

ANSI 602.5 SPOUT LOCATION. UNITS WITH A PARALLEL APPROACH SHALL HAVE THE SPOUT 3 1/2 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. UNITS WITH A FORWARD APPROACH SHALL HAVE THE SPOUT 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS.

ANSI 602.6 WATER FLOW. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM TO ALLOW THE INSERTION OF A CUP OR GLASS UNDER THE FLOW OF WATER. THE ANGLE OF THE WATER STREAM FROM SPOUTS WITHIN 3 INCHES OF THE FRONT OF THE UNIT SHALL BE 30 DEGREES MAXIMUM. THE ANGLE OF THE WATER STREAM FROM SPOUTS BETWEEN 3 INCHES AND 5 INCHES FROM THE FRONT OF THE UNIT SHALL BE 15 DEGREES MAXIMUM. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY, RELATIVE TO THE FRONT FACE OF THE UNIT.

ANSI 602.7 PROTRUDING OBJECTS. UNITS SHALL COMPLY WITH SECTION 307.

6 602 - DRINKING FOUNTAIN AND WATER COOLERS

A-011 SCALE: 3/8" = 1'-0"

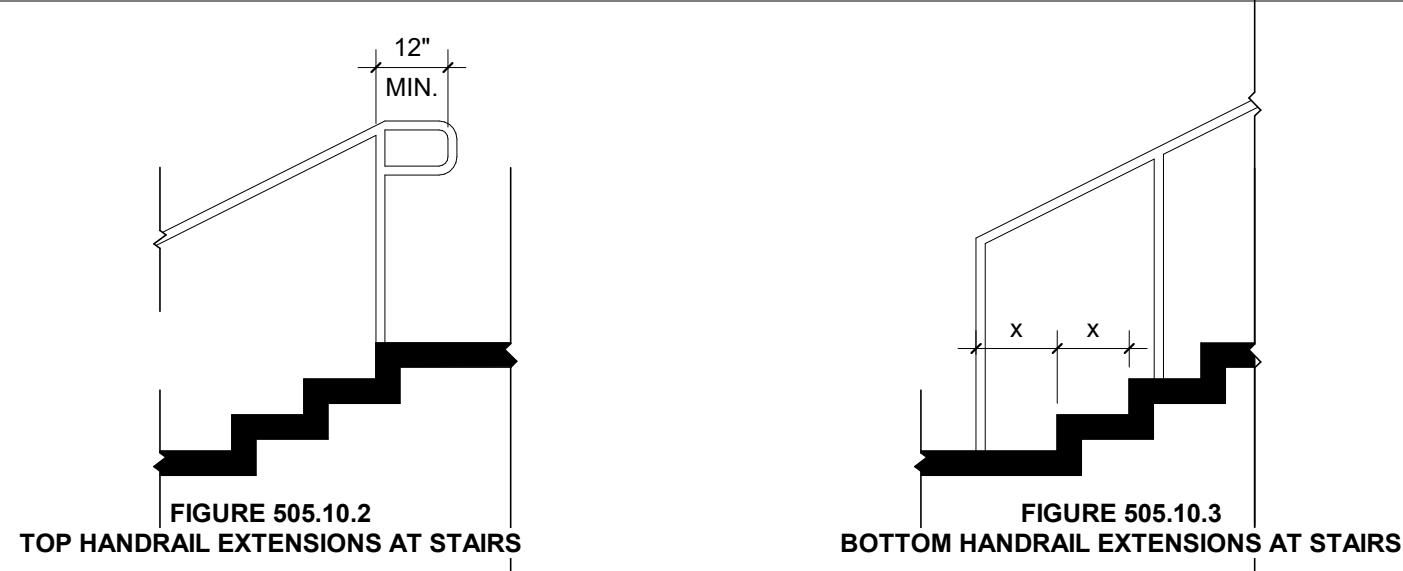


FIGURE 505.10.2 TOP HANDRAIL EXTENSIONS AT STAIRS

FIGURE 505.10.3 BOTTOM HANDRAIL EXTENSIONS AT STAIRS

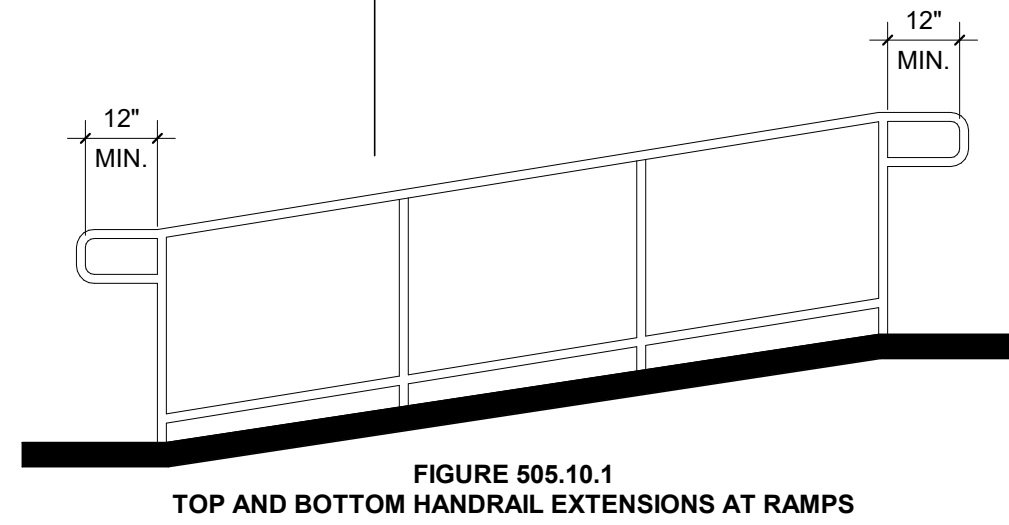


FIGURE 505.10.1 TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

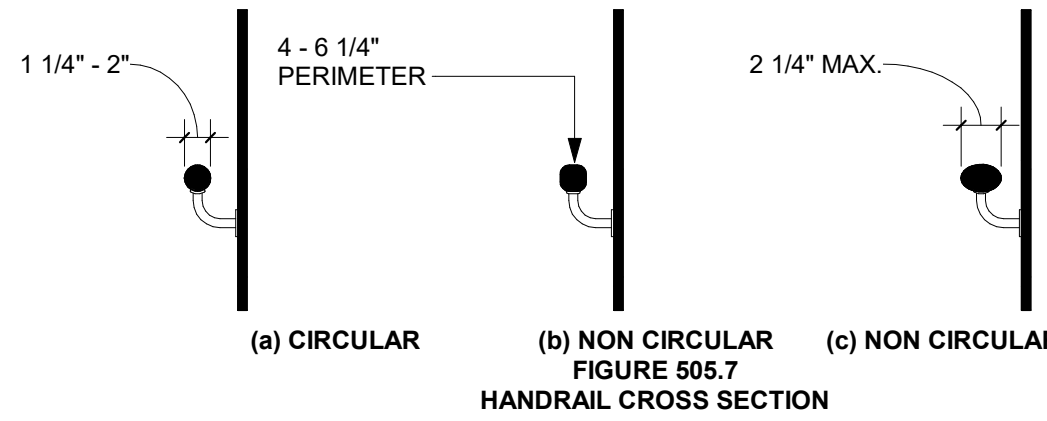


FIGURE 505.7 HANDRAIL CROSS SECTION

ANSI 505.4 HEIGHT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 INCHES MINIMUM AND 38 INCHES MAXIMUM VERTICALLY ABOVE STAIR NOSINGS, RAMP SURFACES AND WALKING SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE STAIR NOSINGS, RAMP SURFACES AND WALKING SURFACES.

ANSI 505.5 CLEARANCE. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACE AND ADJACENT SURFACES SHALL BE 1 1/2 INCHES MINIMUM.

ANSI 505.7 CROSS SECTION. HANDRAILS SHALL HAVE A CROSS SECTION COMPLYING WITH SECTION 505.7.1, OR 505.7.2.

ANSI 505.7.1. CIRCULAR CROSS SECTION. HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCHES MINIMUM AND 2 INCHES MAXIMUM.

ANSI 505.7.2. NONCIRCULAR CROSS SECTION. HANDRAILS WITH A NONCIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 6 1/4 INCHES MAXIMUM, AND A CROSS-SECTION DIMENSION OF 2 1/4 INCHES MAXIMUM.

ANSI 505.10.1 TOP AND BOTTOM EXTENSION AT RAMPS. RAMPS HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING 12 INCHES MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR FLOOR, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN.

ANSI 505.10.2 TOP EXTENSION AT STAIRS. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES MINIMUM BEGINNING DIRECTLY ABOVE THE LANDING NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

ANSI 505.10.3 BOTTOM EXTENSION AT STAIR. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE EQUAL TO ONE TREAD DEPTH BEYOND THE BOTTOM TREAD NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

5 505 - HANDRAILS

A-011 SCALE: 3/8" = 1'-0"

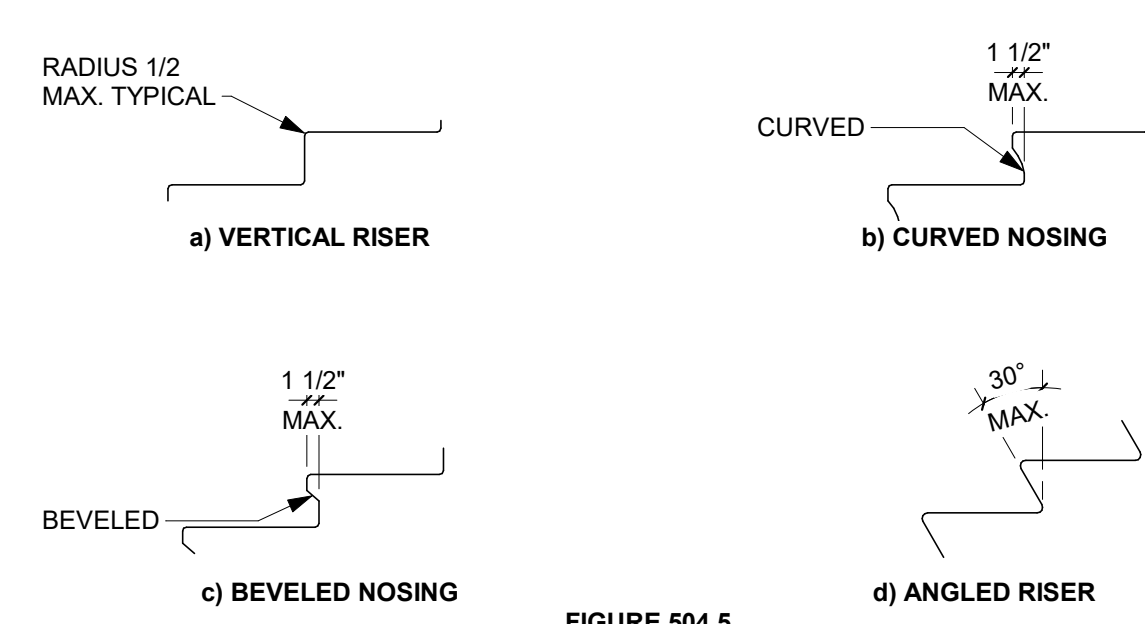


FIGURE 504.5 STAIR NOSINGS

ANSI 504.1 GENERAL. ACCESSIBLE STAIRS SHALL COMPLY WITH SECTION 504.

ANSI 504.2 TREADS AND RISERS. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHT AND UNIFORM TREAD DEPTH. RISERS SHALL BE 4 INCHES HIGH MINIMUM AND 7 INCHES MAXIMUM. TREADS SHALL BE 11 INCHES DEEP MINIMUM, MEASURED FROM RISER TO RISER.

ANSI 504.3 OPEN RISERS. OPEN RISERS SHALL NOT BE PERMITTED.

ANSI 504.4 TREAD SURFACE. STAIR TREADS SHALL COMPLY WITH SECTION 302 AND SHALL HAVE A SLOPE NOT STEEPER THAN 1:48.

ANSI 504.5 NOSINGS. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAXIMUM FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL BE 1 1/2 INCHES MAXIMUM OVER THE TREAD OR FLOOR BELOW.

ANSI 504.6 HANDRAILS. STAIRS SHALL HAVE HANDRAILS COMPLYING WITH SECTION 505.

ANSI 504.7 WET CONDITIONS. STAIRS TREADS AND LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER.

4 504 - STAIRWAYS

A-011 SCALE: 1/2" = 1'-0"

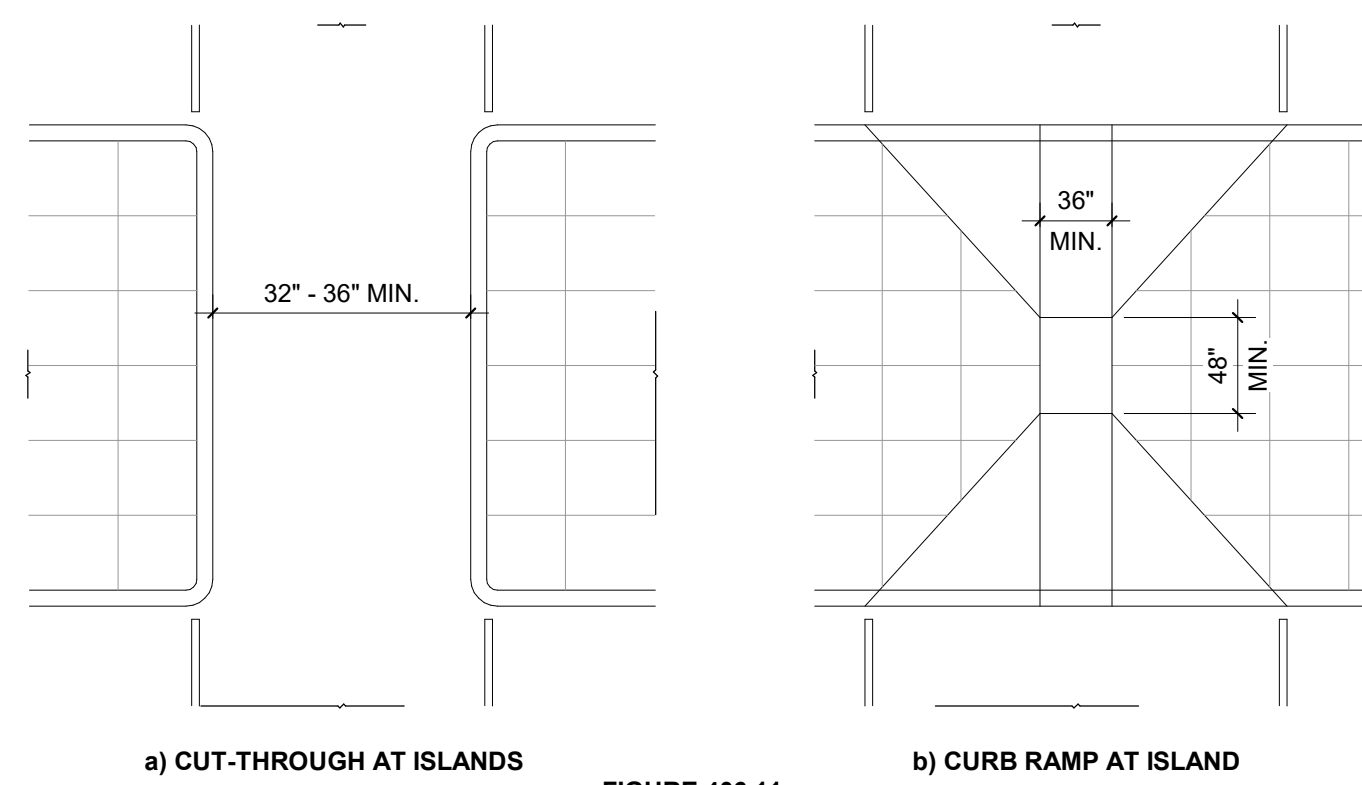


FIGURE 405.11 ISLANDS

FIGURE 405.11 ISLANDS

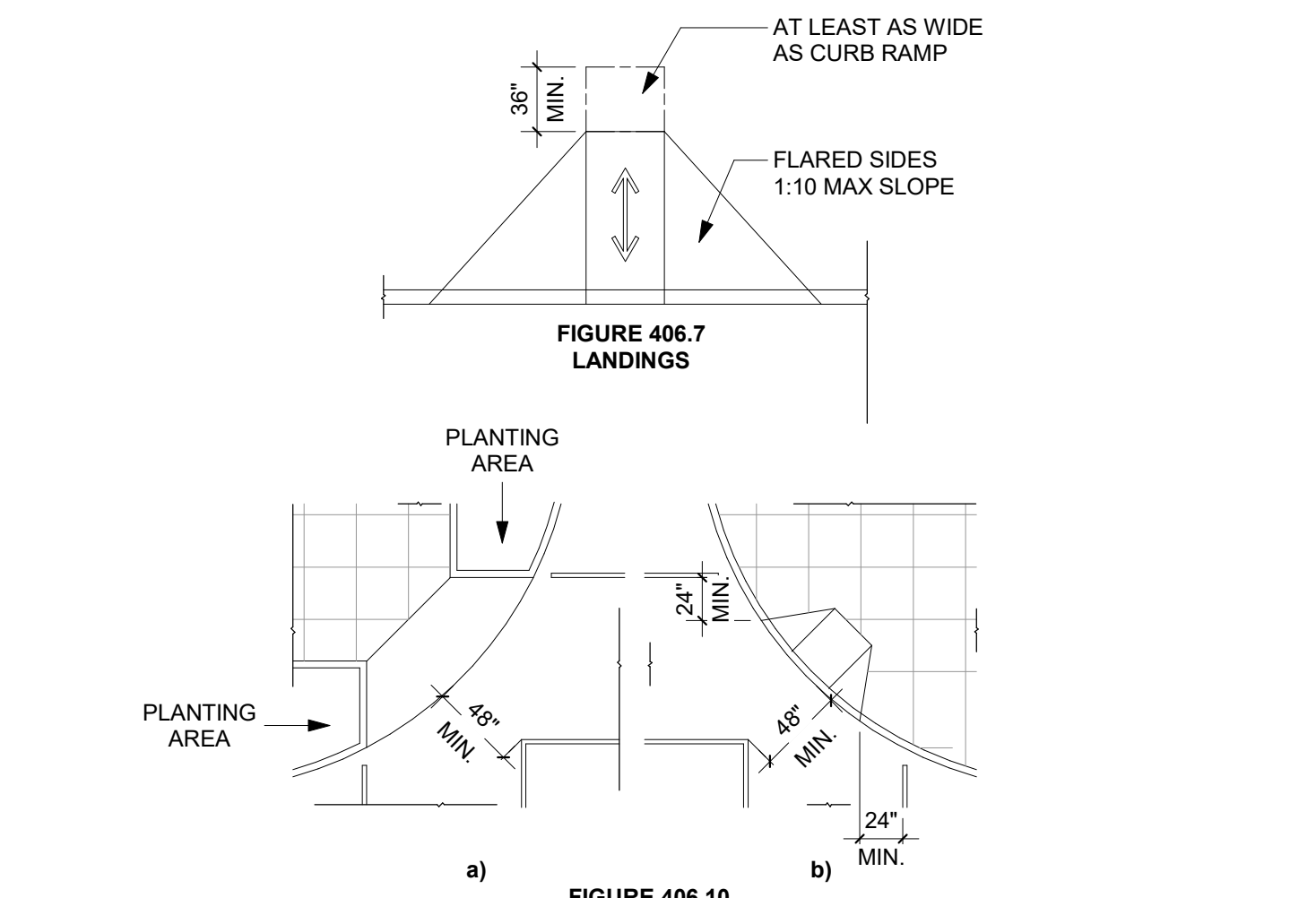


FIGURE 406.7 LANDINGS

FIGURE 406.10 DIAGONAL CURB RAMPS

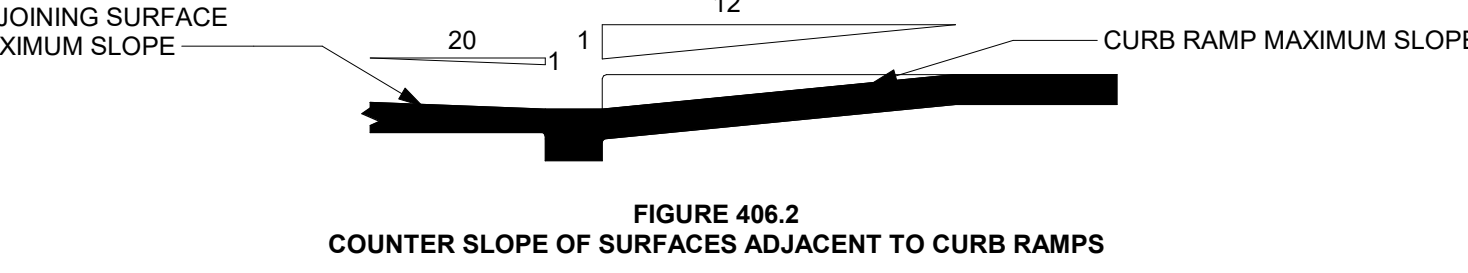


FIGURE 406.2 COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS

ANSI 406.2 COUNTER SLOPE. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT BE STEEPER THAN 1:20. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.

ANSI 406.3 SIDES OF CURB RAMPS. WHERE PROVIDED, CURB RAMP FLARES SHALL COMPLY WITH SECTION 406.3.

ANSI 406.3.1 SLOPE. FLARES SHALL NOT BE STEEPER THAN 1:10.

ANSI 406.3.2 MARKING. IF CURBS ADJACENT TO THE RAMP FLARES ARE PAINTED, THE PAINTED SURFACE SHALL EXTEND ALONG THE FLARED PORTION OF THE CURB.

ANSI 406.10 DIAGONAL CURB RAMPS. DIAGONAL OR CORNER TYPE CURB RAMPS WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. BOTTOMS OF DIAGONAL CURB RAMPS SHALL HAVE 48 INCHES MINIMUM CLEAR SPACE, MEASURED PARALLEL TO THE RUNNING SLOPE. DIAGONAL CURB RAMPS PROVIDED AT MARKED CROSSINGS SHALL PROVIDE THE MINIMUM CLEAR SPACE WITHIN THE MARKINGS. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF STRAIGHT CURB 24 INCHES LONG MINIMUM ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

ANSI 406.11 ISLANDS. RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES. EACH CURB RAMP SHALL HAVE A LEVEL AREA 48 INCHES MINIMUM IN LENGTH AND 36 INCHES MINIMUM IN WIDTH AT THE TOP OF THE CURB RAMP IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS. EACH 48-INCH BY 36-INCH AREA SHALL BE ORIENTED SO THE 48-INCH LENGTH IS IN THE DIRECTION OF THE RUNNING SLOPE OF THE CURB RAMP IT SERVES. THE 48-INCH BY 36-INCH AREAS AND THE ACCESSIBLE ROUTE SHALL BE PERMITTED TO OVERLAP.

3 406 - RAMPS

A-011 SCALE: 1/8" = 1'-0"

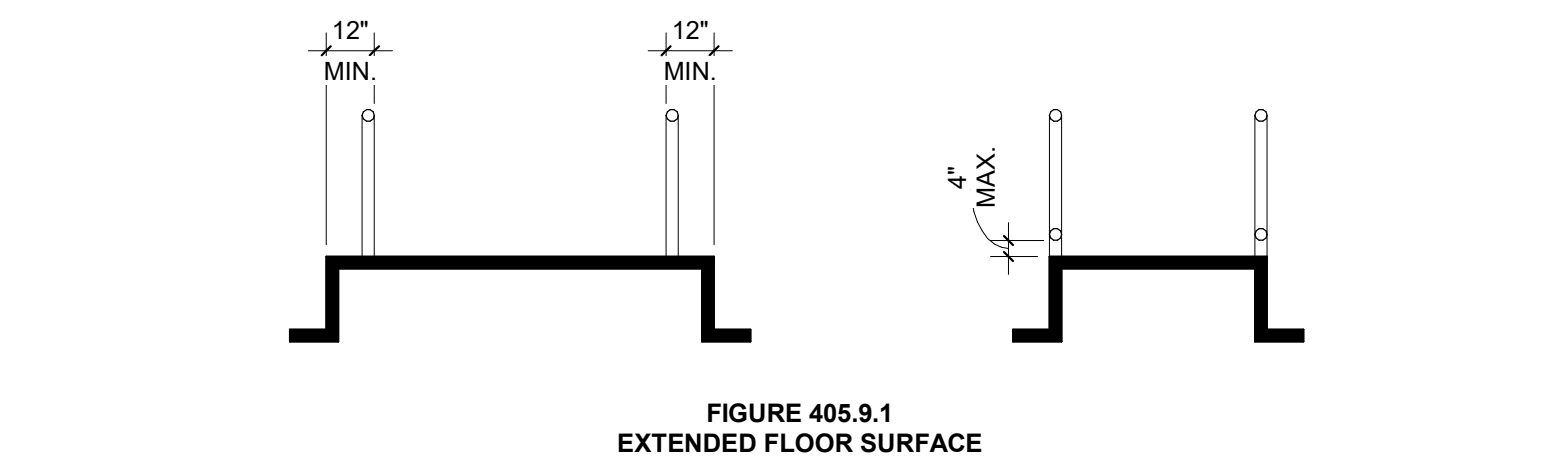


FIGURE 405.9.1 EXTENDED FLOOR SURFACE

TABLE 405.2 - ALLOWABLE RAMP DIMENSIONS FOR CONSTRUCTION IN EXISTING SITES, BUILDING AND FACILITIES

SLOPE <sup>1</sup>	MAXIMUM RISE
STEEPER THAN 1:10 BUT NOT STEEPER THAN 1:8	3 INCHES
STEEPER THAN 1:12 BUT NOT STEEPER THAN 1:10	6 INCHES

<sup>1</sup> A SLOPE STEEPER THAN 1:8 SHALL NOT BE PERMITTED.

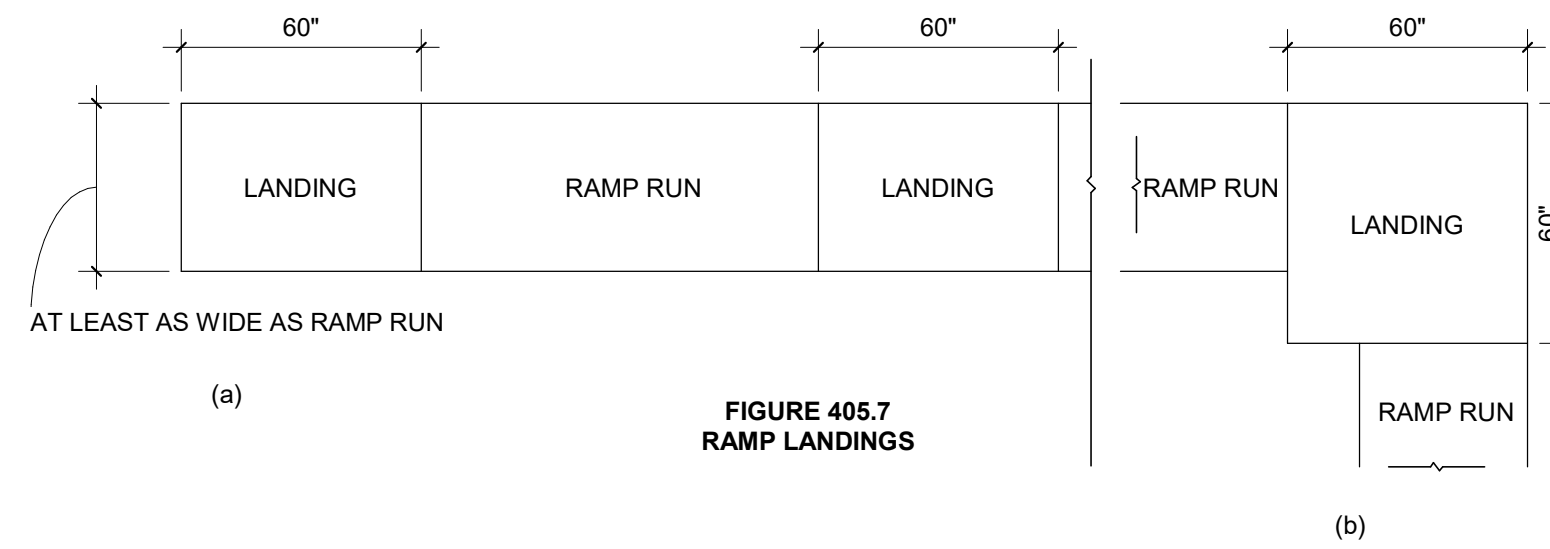


FIGURE 405.7 RAMP LANDINGS

ANSI 405.2 SLOPE. RAMP RUNS SHALL HAVE A RUNNING SLOPE GREATER THAN 1:20 AND NOT STEEPER THAN 1:12.

EXCEPTION: IN EXISTING BUILDINGS OR FACILITIES, RAMPS SHALL BE PERMITTED TO HAVE SLOPES STEEPER THAN 1:12 COMPLYING WITH TABLE 405.2 WHERE SUCH SLOPES ARE NECESSARY DUE TO SPACE LIMITATIONS.

ANSI 405.9 EDGE PROTECTION. EDGE PROTECTION COMPLYING WITH SECTION 405.9.1 OR 405.9.2 SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDING.

EXCEPTIONS:  
1. EDGE PROTECTION SHALL NOT BE REQUIRED ON RAMPS NOT REQUIRED TO HAVE HANDRAILS AND THAT HAVE FLARED SIDES COMPLYING WITH SECTION 406.3.  
2. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDING SERVING AN ADJOINING RAMP RUN OR STAIRWAY.  
3. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDINGS HAVING A VERTICAL DROP-OFF OF 1/2 INCH MAXIMUM WITHIN 10 INCHES HORIZONTALLY OF THE MINIMUM LANDING AREA SPECIFIED IN SECTION 405.7.  
4. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMPED AISLES WHERE THE RAMPS PROVIDE ACCESS TO THE ADJACENT SEATS AND AISLE ACCESS WAYS.

ANSI 405.9.1 EXTENDED FLOOR OR GROUND SURFACE. THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING SHALL EXTEND 12 INCHES MINIMUM BEYOND THE INSIDE FACE OF RAILING COMPLYING WITH SECTION 505.

ANSI 405.9.2.1 CURB. A CURB SHALL BE A MINIMUM OF 4 INCHES IN HEIGHT.

ANSI 405.9.2.2 BARRIER. BARRIERS SHALL BE CONSTRUCTED SO THAT THE BARRIER PREVENTS THE PASSAGE OF A 4-INCH DIAMETER SPHERE WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FLOOR.

2 405 - RAMPS

A-011 SCALE: 1/4" = 1'-0"

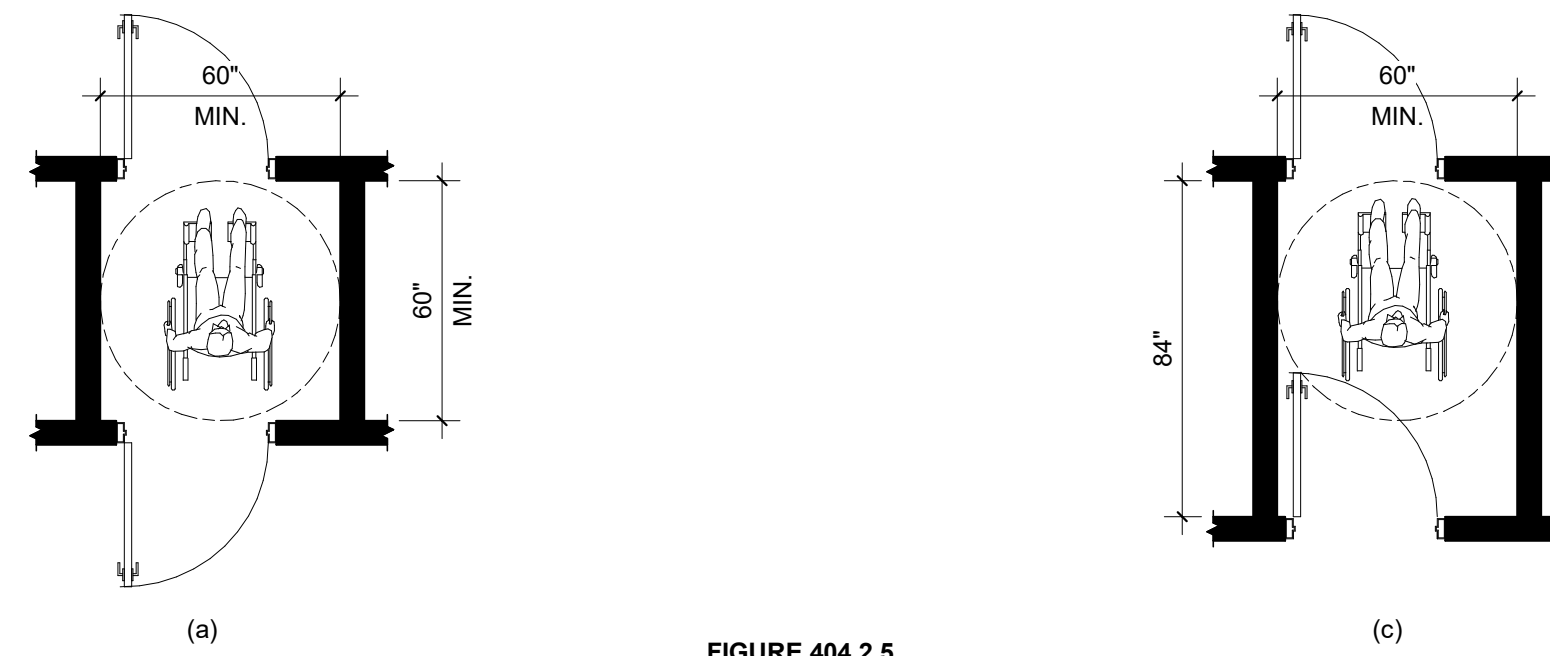


FIGURE 404.2.5 TWO DOORS IN A SERIES

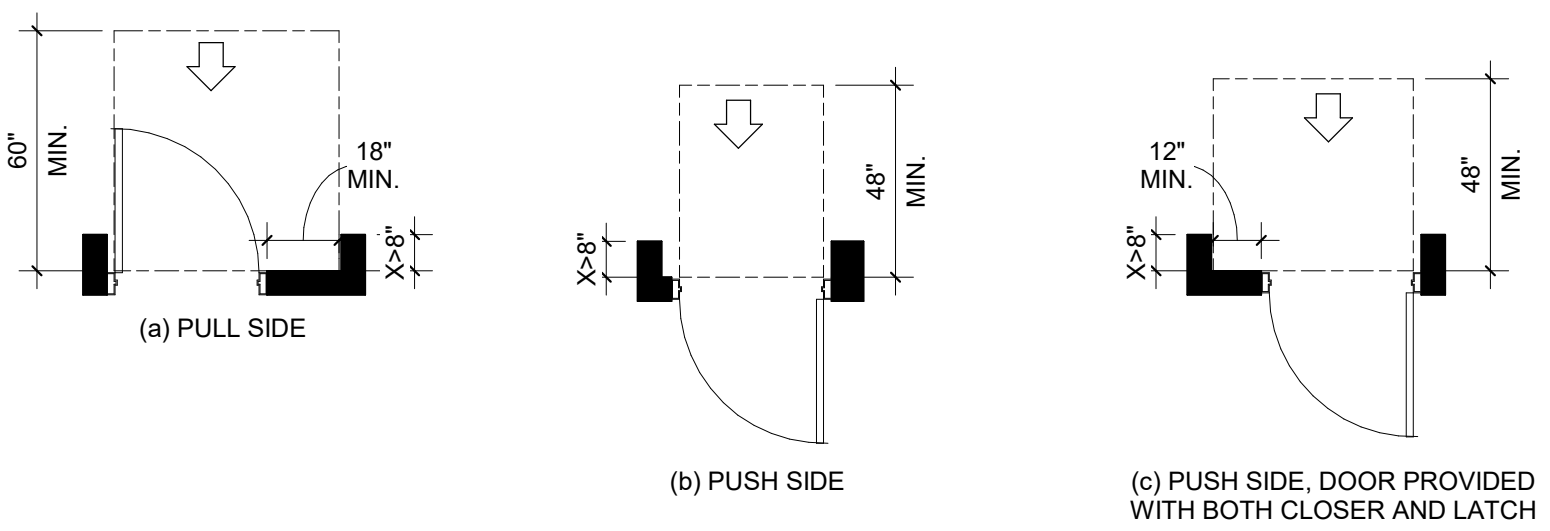
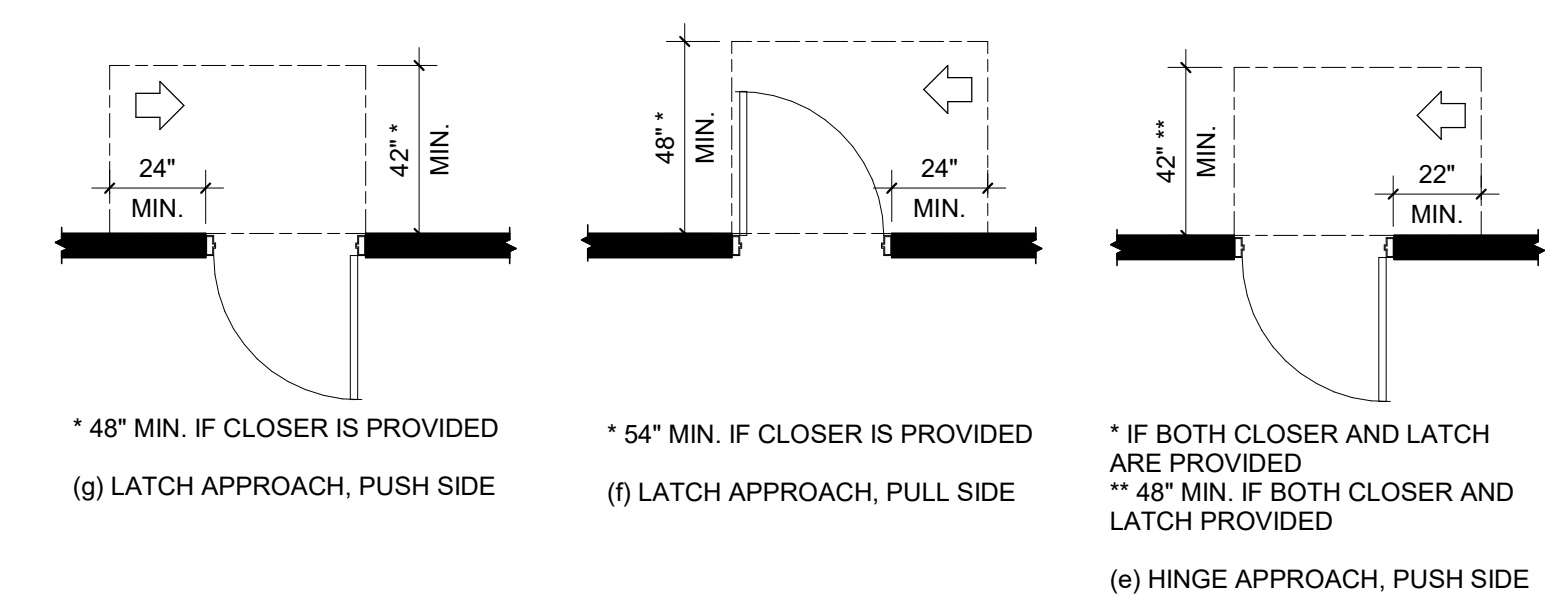


FIGURE 404.2.3.5 MANEUVERING CLEARANCE AT RECESSED DOORS



\* 48" MIN. IF CLOSER IS PROVIDED (g) LATCH APPROACH, PUSH SIDE

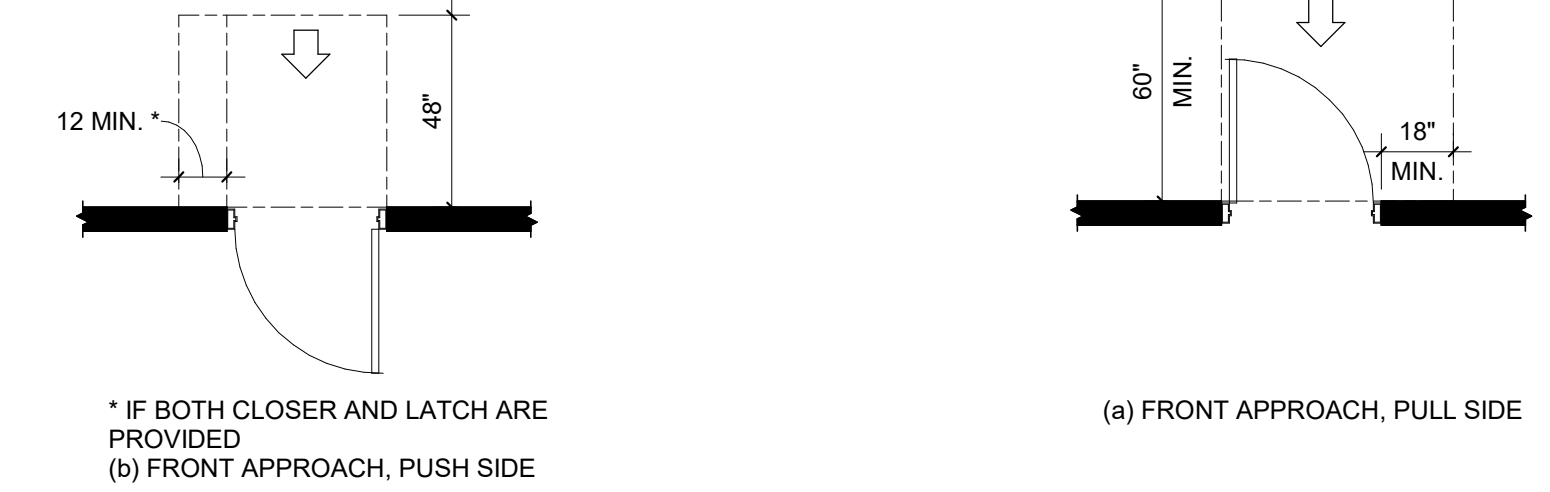
\* 54" MIN. IF CLOSER IS PROVIDED (f) LATCH APPROACH, PULL SIDE

\* IF BOTH CLOSER AND LATCH ARE PROVIDED \*\* 48" MIN. IF BOTH CLOSER AND LATCH PROVIDED (e) HINGE APPROACH, PUSH SIDE



(d) HINGE APPROACH, PULL SIDE

(c) HINGE APPROACH, PULL SIDE



\* IF BOTH CLOSER AND LATCH ARE PROVIDED (b) FRONT APPROACH, PUSH SIDE

(a) FRONT APPROACH, PULL SIDE

FIGURE 404.2.3.2 MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS



(d) DOORWAYS WITHOUT DOORS

(c) FOLDING DOOR



(b) SLIDING DOOR

(a) HINGED DOOR

FIGURE 404.2.2 CLEAR WIDTH OF DOORWAYS

TABLE 404.2.3.3 - MANEUVERING CLEARANCES AT SLIDING AND FOLDING DOORS

APPROACH DIRECTION	MINIMUM MANEUVERING CLEARANCES	
	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (BEYOND LATCH UNLESS NOTED)
FROM FRONT	48 INCHES	0 INCHES
FROM HINGE SIDE	42 INCHES	22 INCHES <sup>1</sup>
FROM LATCH SIDE	42 INCHES	24 INCHES

<sup>1</sup> BEYOND POCKET OR HINGE SIDE.

TABLE 404.2.3.2 - MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS

TYPE OF USE	DOOR SIDE	MINIMUM MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS	
		PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (BEYOND LATCH UNLESS NOTED)
FROM FRONT	PULL	60 INCHES	18 INCHES
FROM FRONT	PUSH	48 INCHES	0 INCHES <sup>3</sup>
FROM HINGE SIDE	PULL	60 INCHES	36 INCHES
FROM HINGE SIDE	PULL	54 INCHES	42 INCHES
FROM HINGE SIDE	PUSH	42 INCHES <sup>1</sup>	22 INCHES <sup>3,4</sup>
FROM LATCH SIDE	PULL	48 INCHES <sup>1</sup>	24 INCHES
FROM LATCH SIDE	PUSH	42 INCHES <sup>2</sup>	24 INCHES

<sup>1</sup> ADD 8 INCHES IF CLOSER AND LATCH PROVIDED.  
<sup>2</sup> ADD 6 INCHES IF CLOSER PROVIDED.  
<sup>3</sup> ADD 12 INCHES BEYOND IF CLOSER AND LATCH PROVIDED.  
<sup>4</sup> BEYOND HINGE SIDE.

404.1 GENERAL. DOORS AND DOORWAYS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH SECTION 404.

404.2. MANUAL DOORS. MANUAL DOORS AND DOORWAYS, AND MANUAL GATES, INCLUDING TICKET GATES, SHALL COMPLY WITH SECTION 404.2.

EXCEPTION: DOORS, DOORWAYS, AND GATES DESIGNED TO BE OPERATED ONLY BY SECURITY PERSONNEL SHALL NOT BE REQUIRED TO COMPLY WITH SECTIONS 404.2.6, 404.2.7, AND 404.2.8.

ANSI 404.2.1 DOUBLE-LEAF DOORS AND GATES. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH SECTION 404.2.2 AND 404.2.3.

ANSI 404.2.2 CLEAR WIDTH. DOORWAYS SHALL HAVE A CLEAR OPENING OF 32 INCHES MINIMUM. CLEAR OPENING WIDTH OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF DOOR AND STOP. WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FLOOR SHALL NOT EXCEED 4 INCHES.

EXCEPTIONS:  
1. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES MINIMUM ABOVE THE FLOOR.  
2. IN ALTERATIONS, A PROJECTION OF 5/8 INCH MAXIMUM INTO THE REQUIRED CLEAR OPENING WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP.

ANSI 404.2.3 MANEUVERING CLEARANCES. MINIMUM MANEUVERING CLEARANCES AT DOORS SHALL COMPLY WITH SECTION 404.2.3.3 AND SHALL INCLUDE THE FULL CLEAR OPENING WIDTH OF THE DOORWAY. REQUIRED DOOR MANEUVERING CLEARANCES SHALL NOT INCLUDE KNEE AND TOE CLEARANCE.

ANSI 404.2.3.1 FLOOR SURFACE. FLOOR SURFACE WITHIN THE MANEUVERING CLEARANCES SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302.

ANSI 404.2.3.2 SWINGING DOORS. SWINGING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.3.2.

ANSI 404.2.3.3 SLIDING AND FOLDING DOORS. SLIDING DOORS AND FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.3.3.

ANSI 404.2.5 TWO DOORS IN SERIES. DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES SHALL BE 48 INCHES MINIMUM PLUS THE WIDTH OF ANY DOOR SWINGING INTO THE SPACE. THE SPACE BETWEEN THE DOORS SHALL PROVIDE A TURNING SPACE COMPLYING WITH SECTION 304.

1 404 - DOORS AND DOORWAYS

A-011 SCALE: 1/4" = 1'-0"



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CONSULTANT:

1. EDGE PROTECTION SHALL NOT BE REQUIRED ON RAMPS NOT REQUIRED TO HAVE HANDRAILS AND THAT HAVE FLARED SIDES COMPLYING WITH SECTION 406.3.  
2. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDING SERVING AN ADJOINING RAMP RUN OR STAIRWAY.  
3. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDINGS HAVING A VERTICAL DROP-OFF OF 1/2 INCH MAXIMUM WITHIN 10 INCHES HORIZONTALLY OF THE MINIMUM LANDING AREA SPECIFIED IN SECTION 405.7.  
4. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMPED AISLES WHERE THE RAMPS PROVIDE ACCESS TO THE ADJACENT SEATS AND AISLE ACCESS WAYS.

CLIENT/PROJECT:

MCGILLS STEAKHOUSE RENOVATION  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
ANSI A117.1 STANDARD DETAILS

50% DESIGN DEVELOPMENT

WORTHGROUP ARCHITECTS

DRAWING SCALE: WGA PROJECT NUMBER:

As indicated 23-209

PROGRESS DATE:

22 DECEMBER 2023

SHEET NUMBER:

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REVISIONS

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SHEET DESCRIPTION  
ANSI A117.1 STANDARD DETAILS

50% DESIGN DEVELOPMENT

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DRAWING SCALE: WGA PROJECT NUMBER:

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PROGRESS DATE

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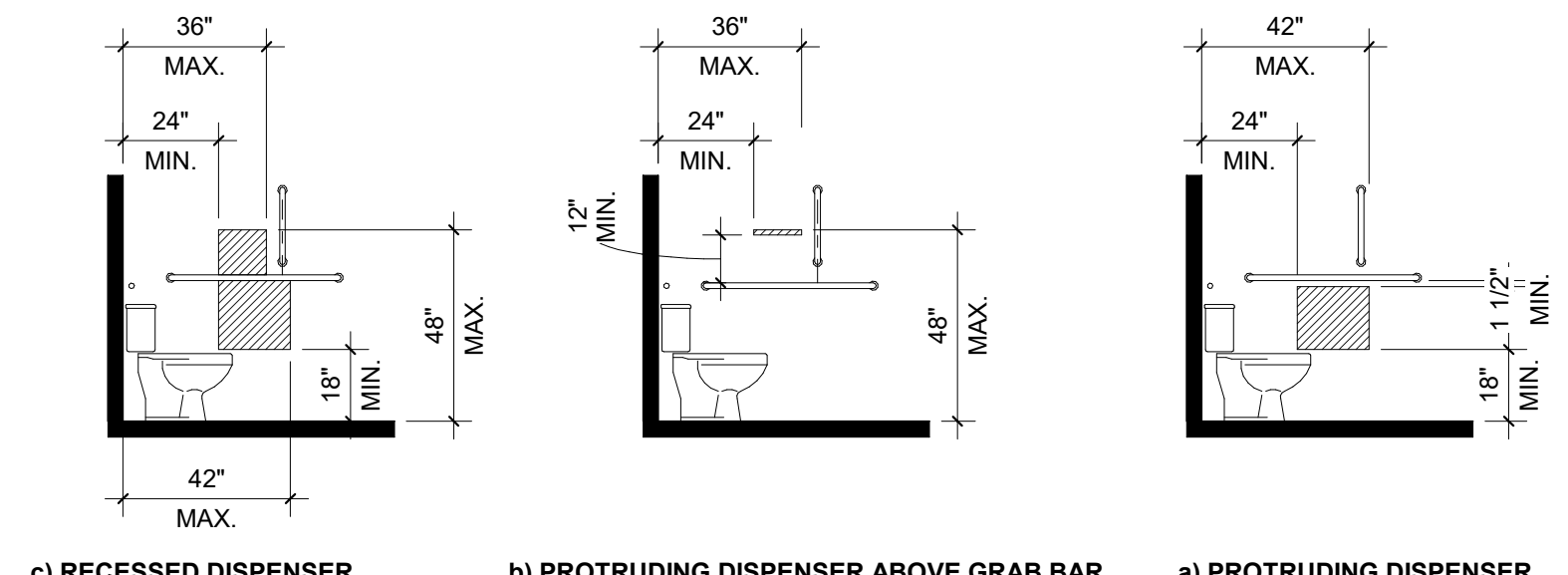


FIGURE 604.7 RECESSED DISPENSER, FIGURE 604.8 PROTRUDING DISPENSER ABOVE GRAB BAR, FIGURE 604.9 PROTRUDING DISPENSER

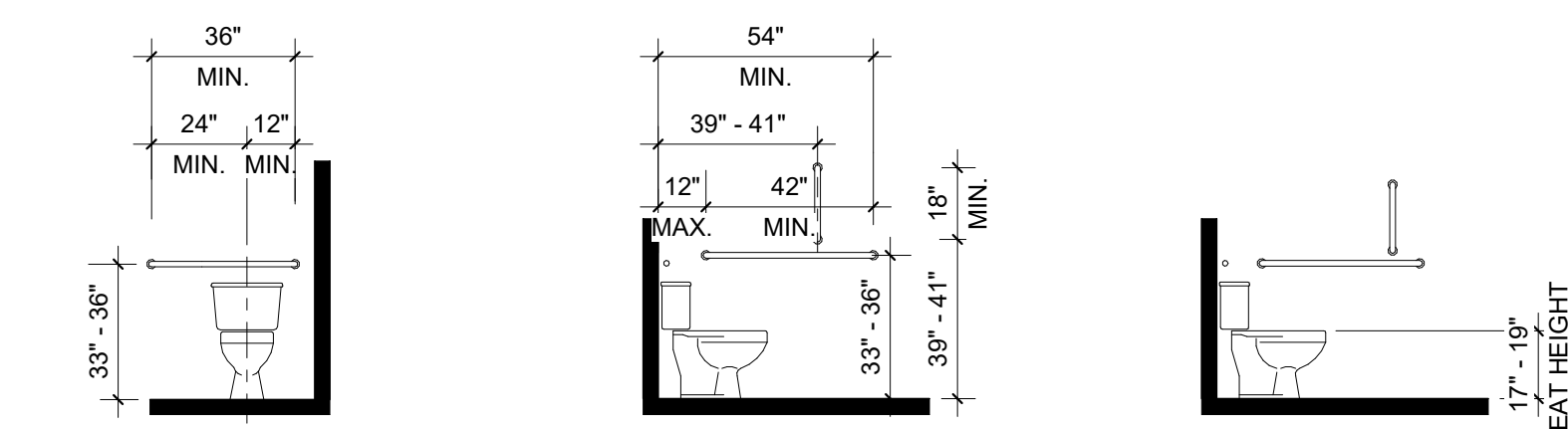


FIGURE 604.2 REAR WALL GRAB BAR FOR WATER CLOSET, FIGURE 604.1 SIDE WALL GRAB BAR FOR WATER CLOSET, FIGURE 604.4 WATER CLOSET SEAT HEIGHT

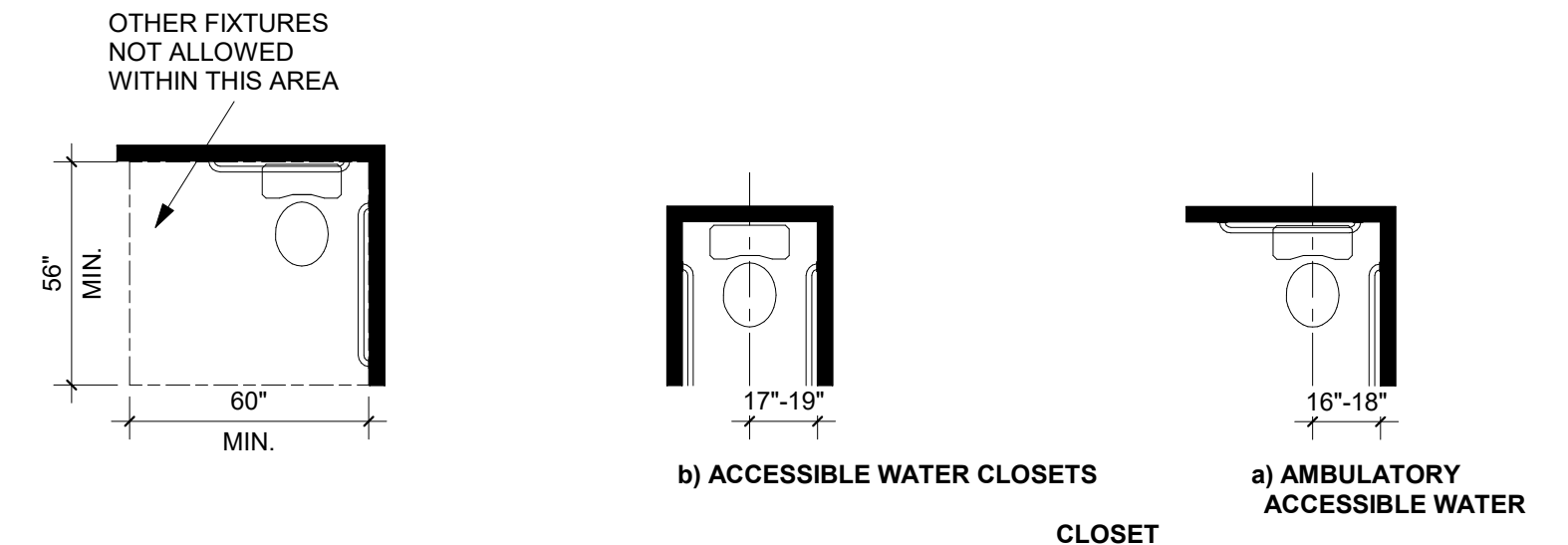


FIGURE 604.3 SIZE OF CLEARANCE FOR WATER CLOSET, FIGURE 604.2 WATER CLOSET LOCATION

ANSI 604 WATER CLOSETS AND TOILET COMPARTMENTS

ANSI 604.2 LOCATION. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 18 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION. WATER CLOSETS LOCATED IN AMBULATORY ACCESSIBLE COMPARTMENTS SPECIFIED IN SECTION 604.10 SHALL HAVE THE CENTERLINE OF THE WATER CLOSET 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION.

ANSI 604.3 CLEARANCE WIDTH. CLEARANCE AROUND THE WATER CLOSET SHALL BE 60 INCHES MINIMUM IN WIDTH, MEASURED PERPENDICULAR FROM THE SIDE WALL.

ANSI 604.3.2 CLEARANCE OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET. ASSOCIATED GRAB BARS, PAPER DISPENSERS, SANITARY NAPKIN RECEPTACLES, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

ANSI 604.4 HEIGHT. THE HEIGHT OF WATER CLOSETS SEATS SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE FLOOR. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

EXCEPTION: A WATER CLOSET IN A TOILET ROOM FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE, SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 604.4.

ANSI 604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH SECTION 609 AND SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 604.5.1 AND 604.5.2. GRAB BARS SHALL BE PROVIDED ON THE REAR WALL AND ON THE SIDE WALL CLOSEST TO THE WATER CLOSET.

EXCEPTION: 1. GRAB BARS ARE NOT REQUIRED TO BE INSTALLED IN A TOILET ROOM FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE, PROVIDED REINFORCEMENT HAS BEEN INSTALLED IN WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH SECTION 604.5. 2. IN DETENTION OR CORRECTION FACILITIES, GRAB BARS ARE NOT REQUIRED TO BE INSTALLED IN HOUSING OR HOLDING CELLS OR ROOMS THAT ARE SPECIALLY DESIGNED WITHOUT PROTRUSIONS FOR PURPOSES OF SUICIDE PREVENTION.

ANSI 604.5.1 FIXED SIDE WALL GRAB BARS. FIXED SIDE-WALL GRAB BARS SHALL BE 42 INCHES MINIMUM IN LENGTH, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL. IN ADDITION, A VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED 39 INCHES MINIMUM AND 41 INCHES MAXIMUM ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED 39 INCHES MINIMUM AND 41 INCHES MAXIMUM FROM THE REAR WALL.

EXCEPTION: THE VERTICAL GRAB BAR AT THE WATER CLOSET PRIMARILY FOR CHILDREN'S USE SHALL COMPLY WITH SECTION 609.4.2.

ANSI 604.5.2 REAR WALL GRAB BARS. THE REAR WALL GRAB BAR SHALL BE 36 INCHES LONG MINIMUM, AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON THE WALL, AND 24 INCHES MINIMUM ON THE TRANSFER SIDE.

EXCEPTION: 1. THE REAR GRAB BAR SHALL BE PERMITTED TO BE 24 INCHES MINIMUM IN LENGTH, CENTERED ON THE WATER CLOSET, WHERE WALL SPACE DOES NOT PERMIT A GRAB BAR 36 INCHES MINIMUM IN HEIGHT DUE TO THE LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET. 2. WHERE AN ADMINISTRATIVE AUTHORITY REQUIRES FLUSH CONTROLS FOR FLUSH VALVES TO BE LOCATED IN A POSITION THAT CONFLICTS WITH THE LOCATION OF THE REAR GRAB BAR, THAT GRAB BAR SHALL BE PERMITTED TO BE SPLIT OR SHIFTED TO THE OPEN SIDE OF THE TOILET AREA.

ANSI 604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTION 309.4. WHERE THE DISPENSER IS LOCATED ABOVE THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24 INCHES MINIMUM AND 36 INCHES MAXIMUM FROM THE REAR WALL, WHERE THE DISPENSER IS LOCATED BELOW THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24 INCHES MINIMUM AND 42 INCHES MAXIMUM FROM THE REAR WALL. THE OUTLET OF THE DISPENSER SHALL BE LOCATED 18 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROL DELIVERY, OR DO NOT ALLOW CONTINUOUS PAPER FLOW.

ANSI 604.9.2.1 WHEELCHAIR ACCESSIBLE COMPARTMENT - SIZE - MINIMUM AREA. THE MINIMUM AREA OF A WHEELCHAIR ACCESSIBLE COMPARTMENT SHALL BE 60 INCHES MINIMUM IN WIDTH MEASURED PERPENDICULAR TO THE SIDE WALL, AND 56 INCHES MINIMUM IN DEPTH FOR WALL HUNG WATER CLOSETS, AND 59 INCHES MINIMUM IN DEPTH FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.

ANSI 604.9.5.1 TOE CLEARANCE AT COMPARTMENTS. THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES MINIMUM ABOVE THE FLOOR AND EXTENDING 6 INCHES BEYOND THE COMPARTMENT SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS.

EXCEPTIONS: 1. TOE CLEARANCE AT THE FRONT PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 62 INCHES IN DEPTH WITH A WALL-HUNG WATER CLOSET, OR GREATER THAN 65 INCHES IN DEPTH WITH A FLOOR-MOUNTED WATER CLOSET. 2. TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 66 INCHES IN WIDTH.

2 604 - WATER CLOSETS AND TOILET COMPARTMENTS

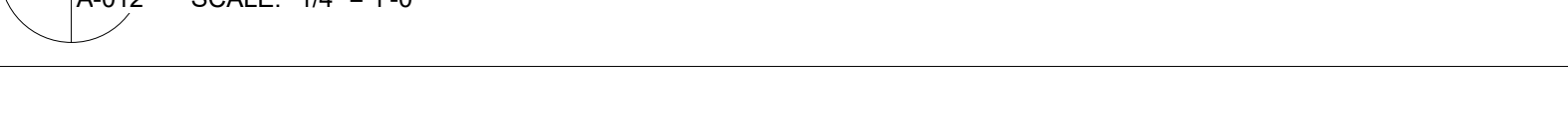


FIGURE 609.3 SPACING OF GRAB BARS

ANSI 609.2.1 CIRCULAR CROSS SECTION. GRAB BARS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCH MINIMUM AND 2 INCHES MAXIMUM.

ANSI 609.2.2 NON-CIRCULAR CROSS SECTION. GRAB BARS WITH A NONCIRCULAR CROSS SECTION SHALL HAVE A CROSS SECTION DIMENSION OF 2 INCHES MAXIMUM, AND A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 4.8 INCHES MAXIMUM.

ANSI 609.3 SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2 INCHES. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS OF THE GRAB BAR SHALL BE 1 1/2 INCHES MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE THE GRAB BAR SHALL BE 12 INCHES MINIMUM.

EXCEPTION: 1. THE SPACE BETWEEN THE GRAB BARS AND SHOWER CONTROLS, SHOWER FITTINGS, AND OTHER GRAB BARS ABOVE THE GRAB BAR SHALL BE PERMITTED TO BE 1 1/2 INCHES MINIMUM. 2. RECESSED DISPENSERS PROJECTING FROM THE WALL 1/4 INCH MAXIMUM MEASURED FROM THE FACE OF THE DISPENSER AND COMPLYING WITH SECTION 604.7 SHALL BE PERMITTED WITHIN THE 12-INCH SPACE ABOVE AND THE 1 1/2 INCH SPACES BELOW AND AT THE ENDS OF THE GRAB BAR.

ANSI 603.2.1 WHEELCHAIR TURNING SPACE. A WHEELCHAIR TURNING SPACE COMPLYING WITH SECTION 304 SHALL BE PROVIDED WITHIN THE ROOM. THE REQUIRED TURNING SPACE SHALL NOT BE PROVIDED WITHIN A TOILET COMPARTMENT.

ANSI 603.2.2 DOOR SWING. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR OR GROUND SPACE OR CLEARANCE FOR ANY FIXTURE.

EXCEPTION: 1. DOORS TO A TOILET OR BATHING ROOM FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE, PROVIDED THE SWING OF THE DOOR CAN BE REVERSED TO COMPLY WITH SECTION 603.2.2. 2. WHERE THE ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 305.3 IS PROVIDED WITHIN THE ROOM, BEYOND THE ARC OF THE DOOR SWING, THE DOOR SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 603.2.2.

ANSI 603.3 MIRRORS. WHERE MIRRORS ARE LOCATED ABOVE LAVATORIES, A MIRROR SHALL BE LOCATED OVER THE ACCESSIBLE LAVATORY AND SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FLOOR, WHERE MIRRORS ARE LOCATED ABOVE COUNTERS THAT DO NOT CONTAIN LAVATORIES, THE MIRROR SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FLOOR.

1 603 - TOILET AND BATHING ROOM

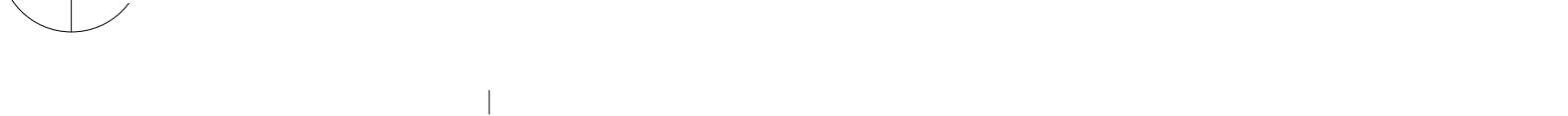


FIGURE 606.3 HEIGHT OF LAVATORIES AND SINKS

ANSI 606.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305.3, POSITIONED FOR FORWARD APPROACH, SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 SHALL BE PROVIDED. THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE AND TOE CLEARANCES.

EXCEPTION:

- 1. A PARALLEL APPROACH COMPLYING WITH SECTION 305 AND CENTERED ON THE SINK, SHALL BE PERMITTED TO A KITCHEN SINK IN A SPACE WHERE A COOK TOP OR CONVENTIONAL RANGE IS NOT PROVIDED. THE REQUIREMENT FOR KNEE AND TOE CLEARANCE SHALL NOT APPLY TO A LAVATORY IN A TOILET OR BATHING FACILITY FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE. A KNEE CLEARANCE OF 24 INCHES MINIMUM ABOVE THE FLOOR SHALL BE PERMITTED AT LAVATORIES AND SINKS USED PRIMARILY BY CHILDREN AGES 6 THROUGH 12 WHERE THE RIM OR COUNTER SURFACE IS 31 INCHES MAXIMUM ABOVE THE FLOOR. A PARALLEL APPROACH COMPLYING WITH SECTION 305 AND CENTERED ON THE SINK, SHALL BE PERMITTED AT LAVATORIES AND SINKS USED PRIMARILY BY CHILDREN AGES 5 AND YOUNGER. THE REQUIREMENT FOR KNEE AND TOE CLEARANCE SHALL NOT APPLY TO MORE THAN ONE BOWL OF A MULTIBOWL SINK. A PARALLEL APPROACH COMPLYING WITH SECTION 305 AND CENTERED ON THE SINK, SHALL BE PERMITTED AT WET BARS.

ANSI 606.3 HEIGHT. THE FRONT OF LAVATORIES AND SINKS SHALL BE 34 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE HIGHER OF THE FIXTURE RIM OR COUNTER SURFACE.

EXCEPTION: A LAVATORY IN A TOILET OR BATHING FACILITY FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE, SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 606.3.

4 606 - LAVATORIES AND SINKS

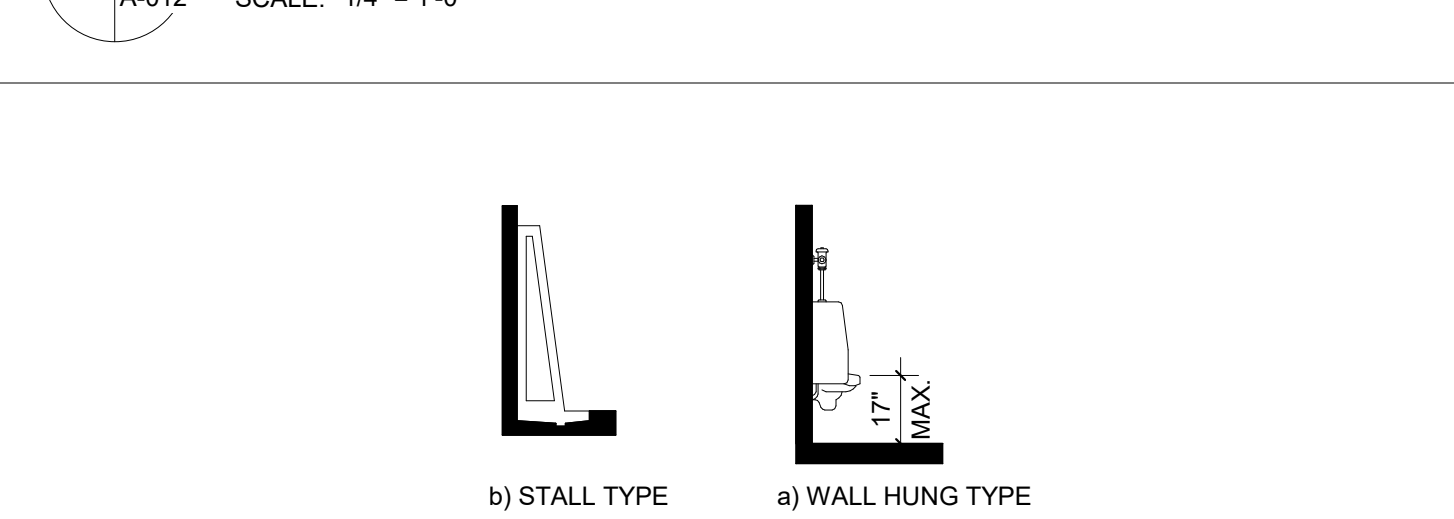


FIGURE 605.2 STALL TYPE, FIGURE 605.1 WALL HUNG TYPE, FIGURE 605.2 HEIGHT OF URINALS

ANSI 605.2 HEIGHT AND DEPTH. URINALS SHALL BE OF THE STALL TYPE OR SHALL BE OF THE WALL-HUNG TYPE WITH THE RIM AT 17 INCHES MAXIMUM ABOVE THE FLOOR. WALL HUNG URINALS SHALL BE 13 1/2 INCHES MINIMUM IN DEPTH MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE WALL.

ANSI 605.3 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305, POSITIONED FOR FORWARD APPROACH, SHALL BE PROVIDED.

ANSI 605.4 FLUSH CONTROL. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND-OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 309.

3 605 - URINALS

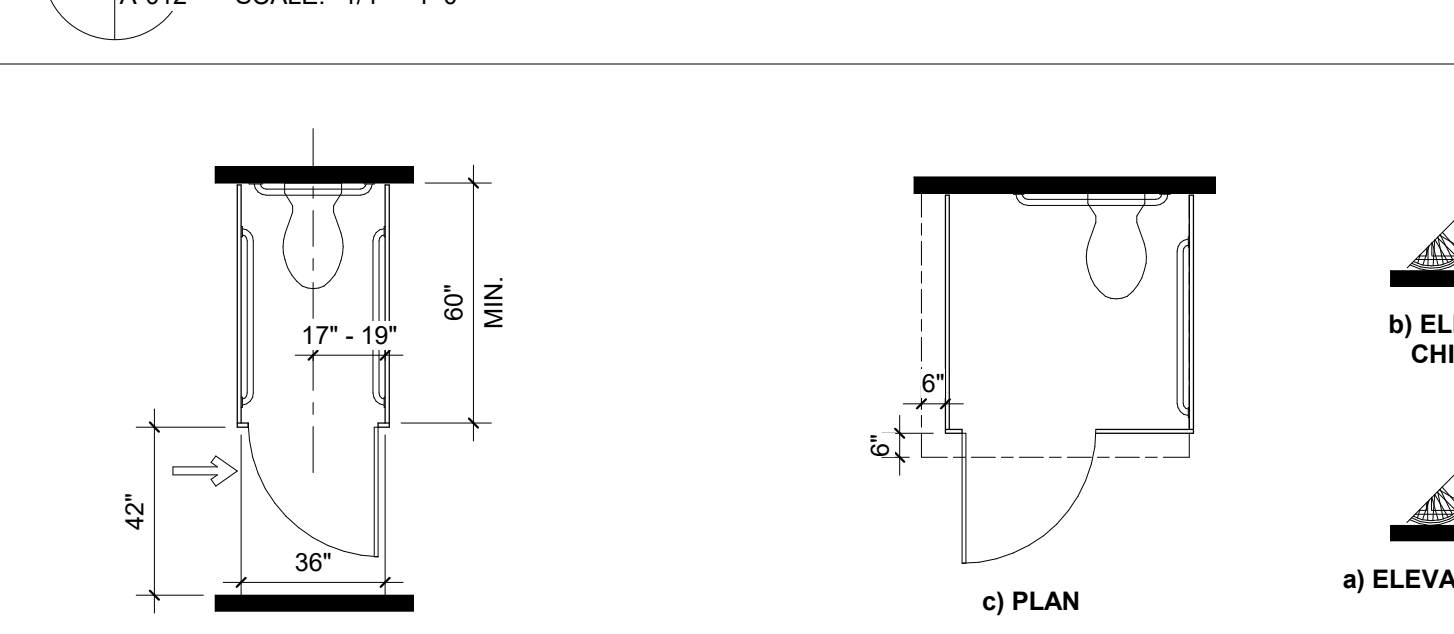


FIGURE 604.10 AMBULATORY ACCESSIBLE COMPARTMENT, FIGURE 604.9.5 WHEELCHAIR ACCESSIBLE COMPARTMENT TOE CLEARANCE

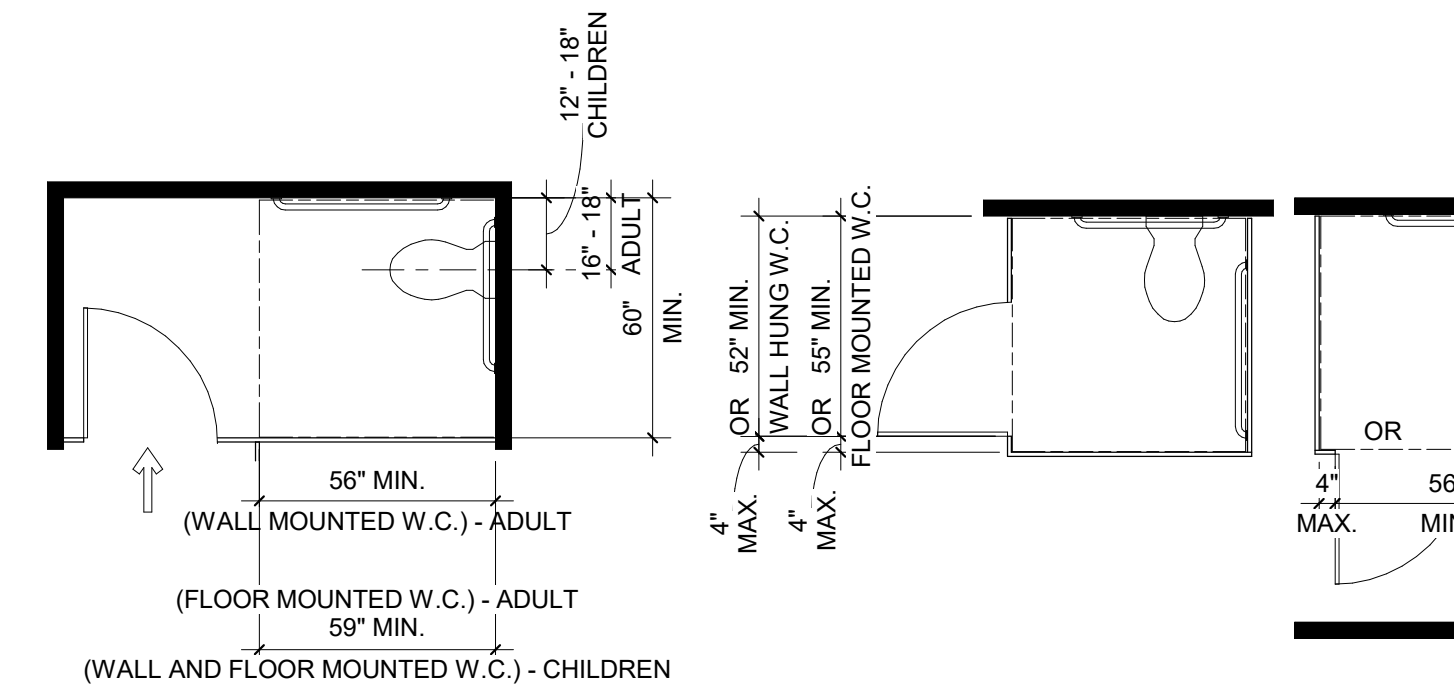


FIGURE 604.9.3 ALTERNATE, FIGURE 604.9.3.1 SIDE WALL OR PARTITION, FIGURE 604.9.3.1 FRONT PARTITION, WHEELCHAIR ACCESSIBLE COMPARTMENT DOOR OPENINGS

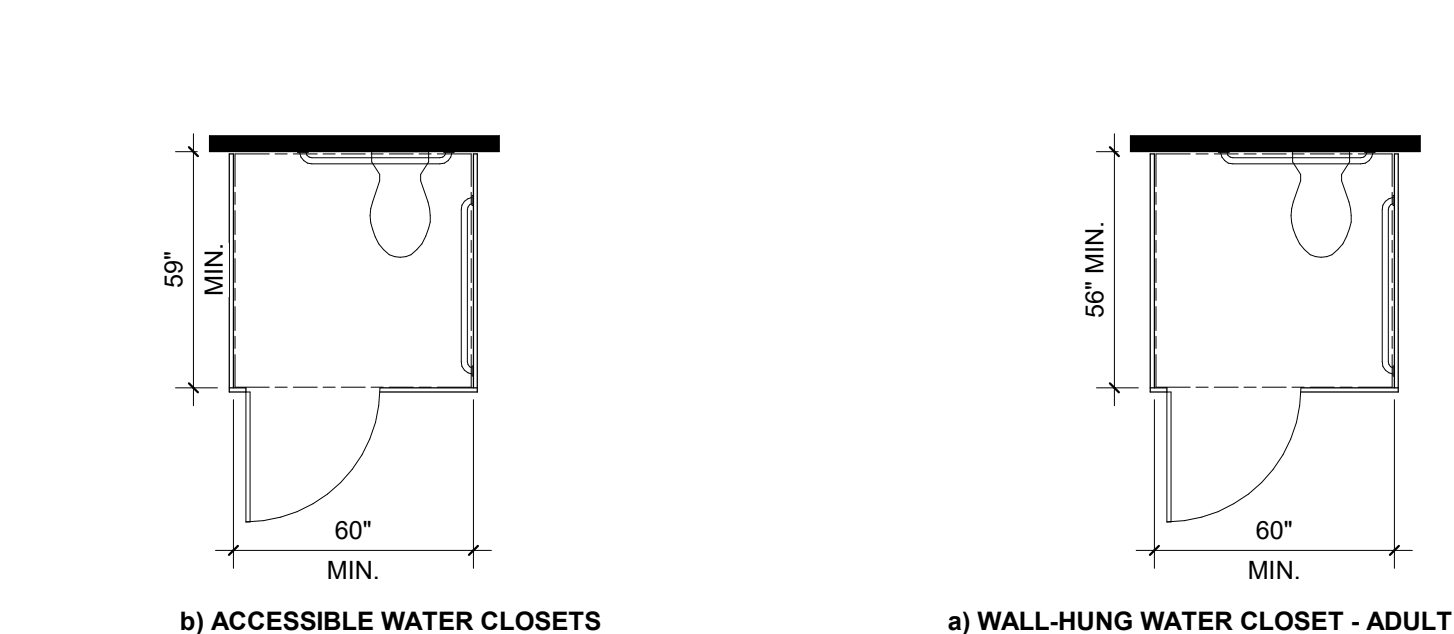


FIGURE 604.9.2 ACCESSIBLE WATER CLOSETS, FIGURE 604.9.2 WALL-HUNG WATER CLOSET - ADULT, WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS

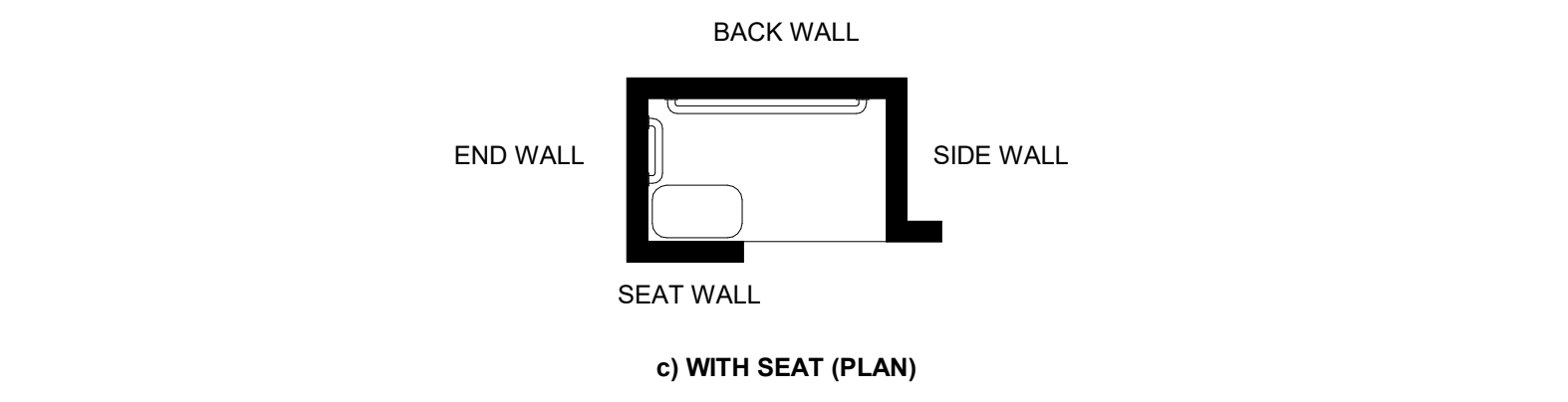


FIGURE 608.4.3 ALTERNATE ROLL-IN TYPE SHOWER CONTROLS AND HANDSHOWER LOCATION

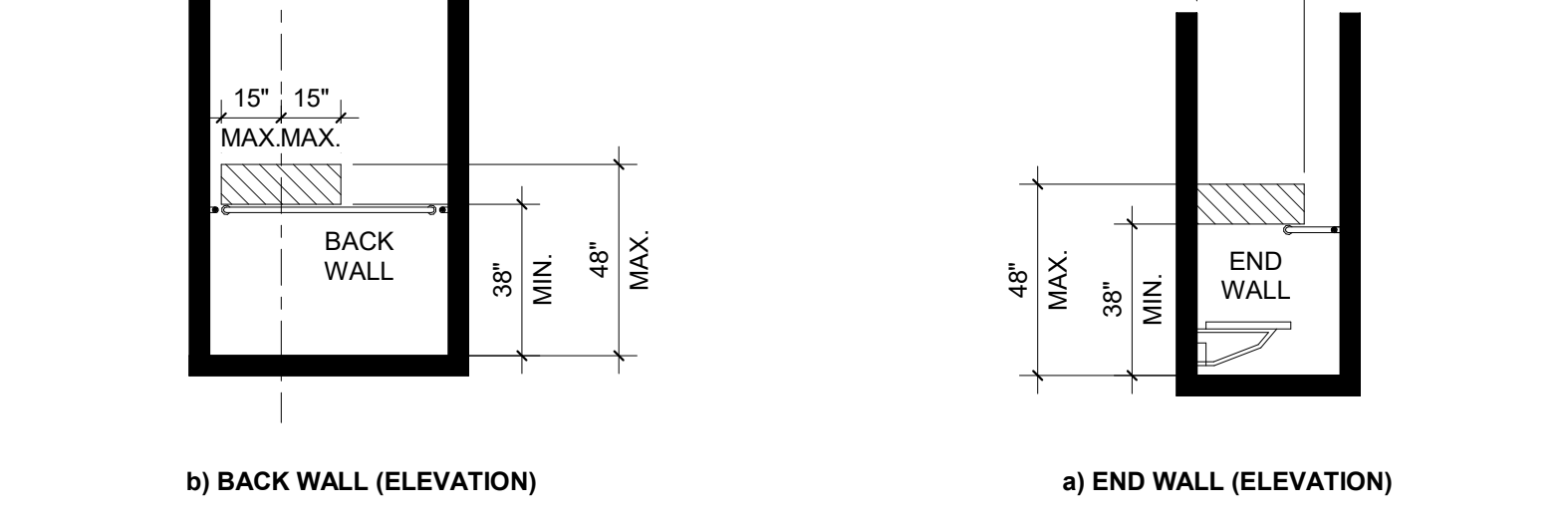


FIGURE 608.4.2 BACK WALL (ELEVATION), FIGURE 608.4.1 END WALL (ELEVATION)

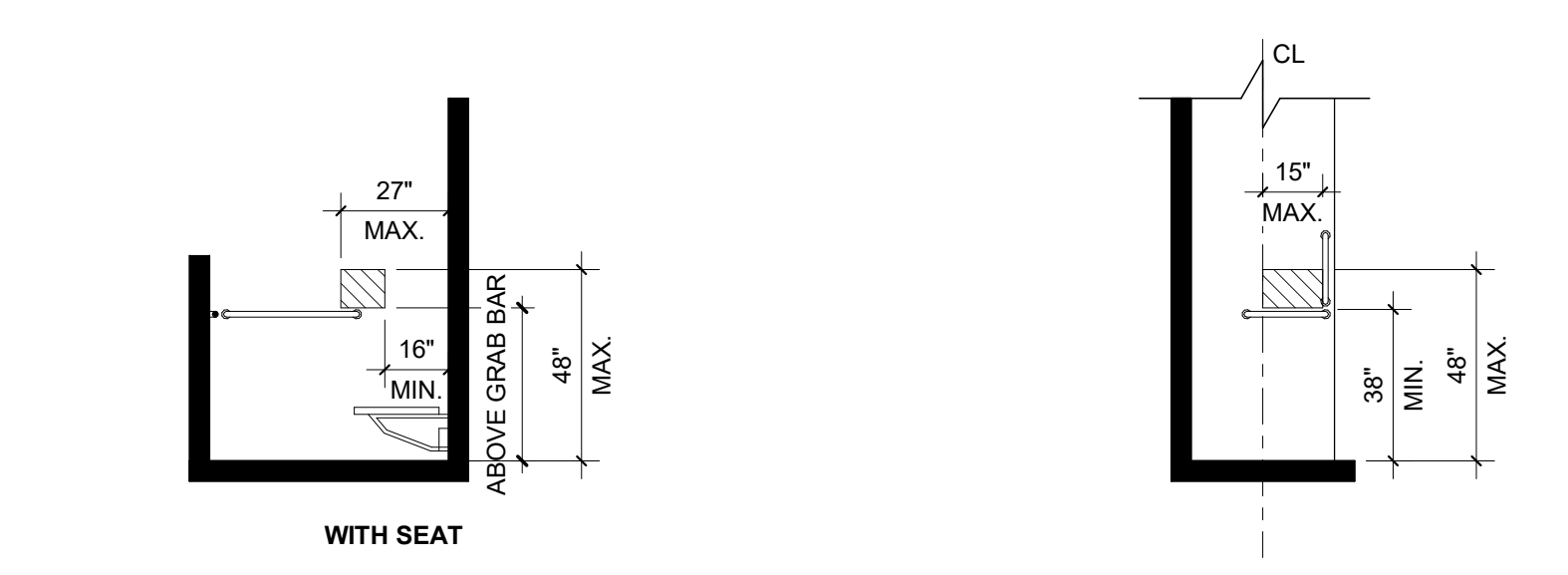


FIGURE 608.4.2 STANDARD ROLL-IN TYPE SHOWER CONTROLS AND HANDSHOWER LOCATION, FIGURE 608.4.1 TRANSFER-TYPE SHOWER CONTROLS AND HANDSHOWER LOCATION

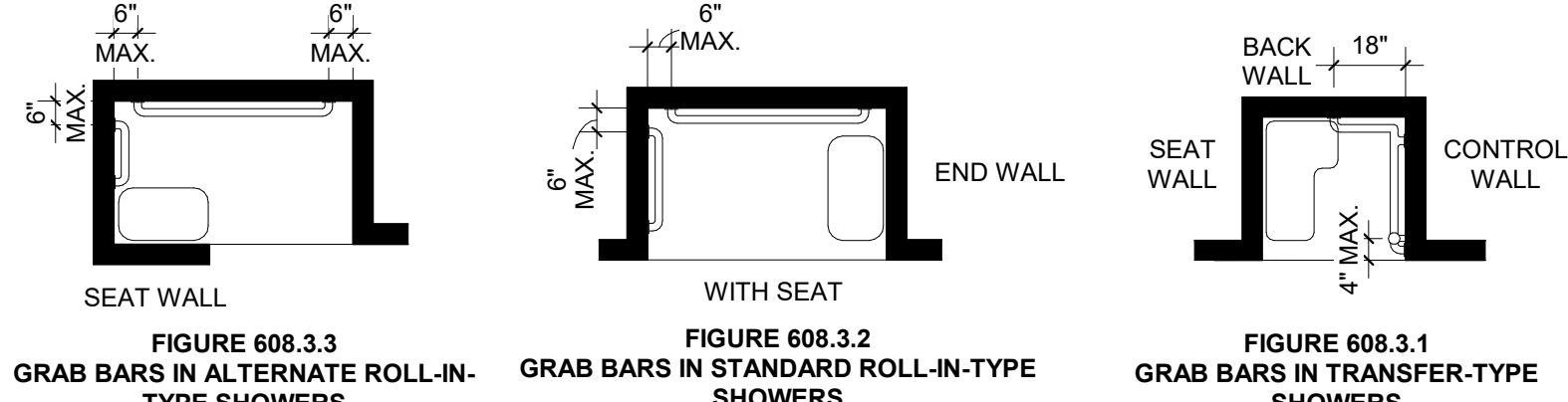


FIGURE 608.3.3 GRAB BARS IN ALTERNATE ROLL-IN TYPE SHOWERS, FIGURE 608.3.2 GRAB BARS IN STANDARD ROLL-IN TYPE SHOWERS, FIGURE 608.3.1 GRAB BARS IN TRANSFER-TYPE SHOWERS

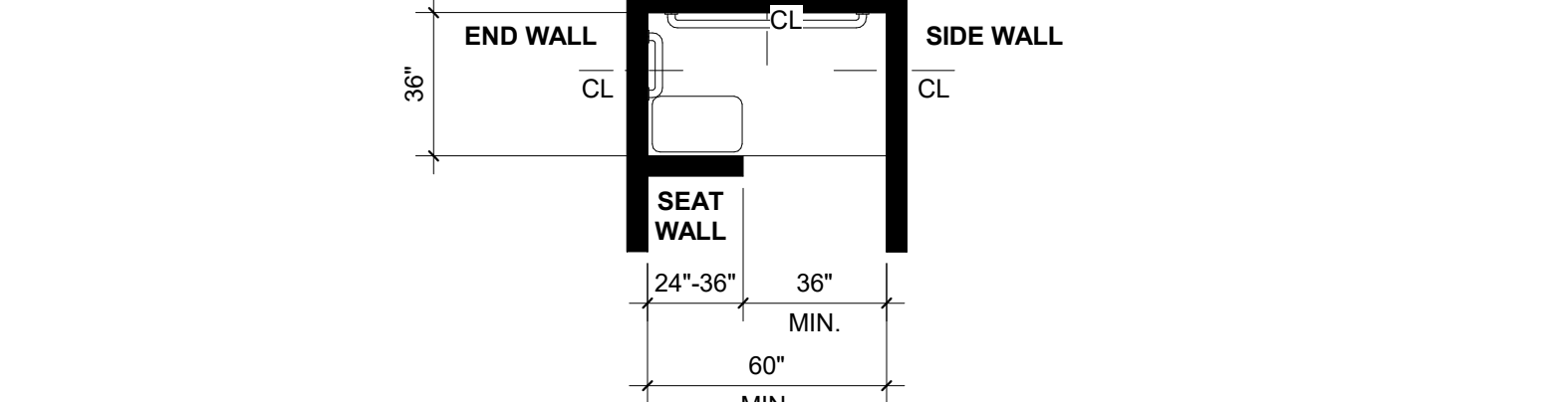


FIGURE 608.2.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

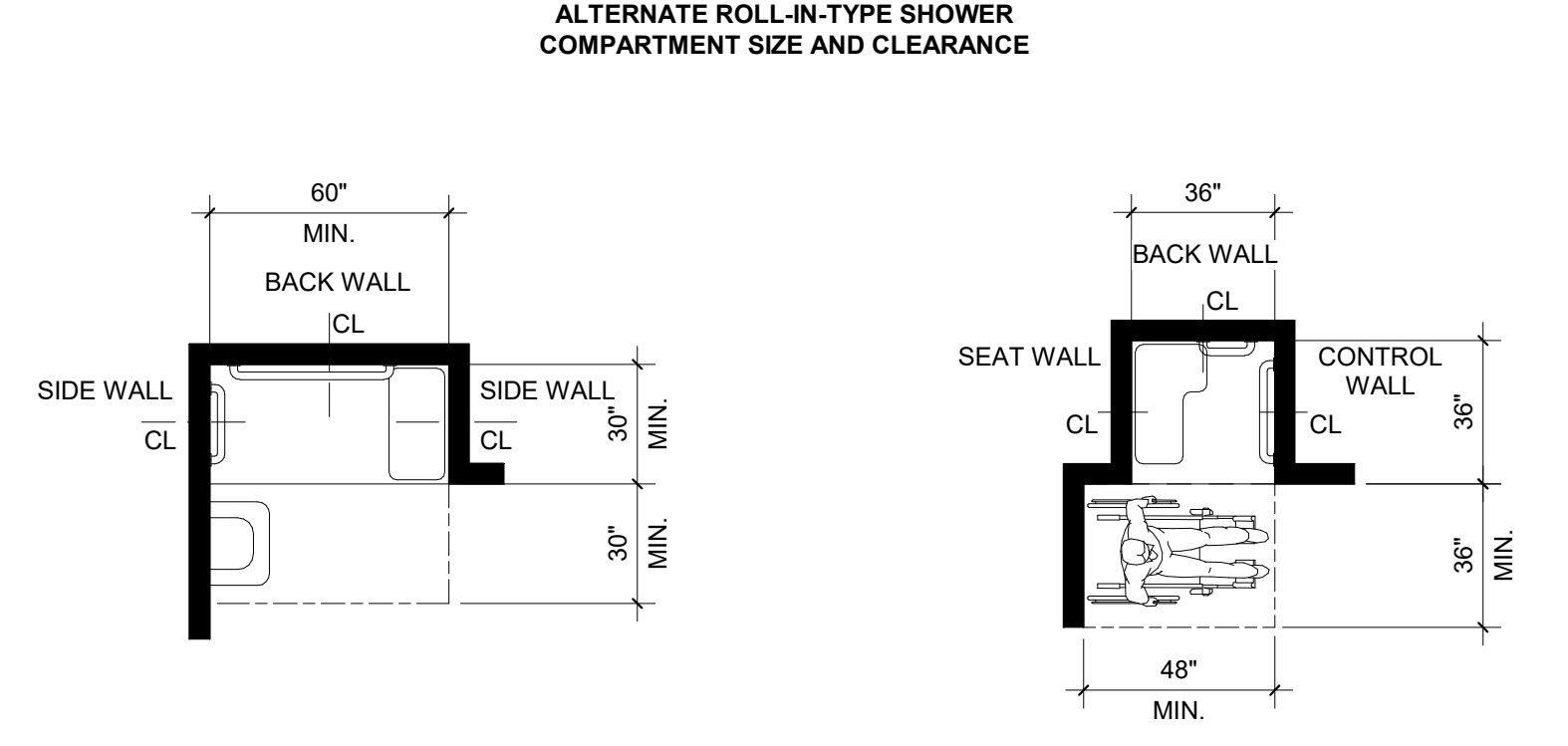


FIGURE 608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE, FIGURE 608.2.1 TRANSFER-TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

ANSI 608.3.2 STANDARD ROLL-IN TYPE SHOWERS. IN STANDARD ROLL-IN TYPE SHOWER, A GRAB BAR SHALL BE PROVIDED ON THE BACK WALL BEGINNING AT THE EDGE OF THE SEAT. THE GRAB BARS SHALL NOT BE PROVIDED ABOVE THE SEAT. THE BACK WALL GRAB BAR SHALL EXTEND THE LENGTH OF THE WALL BUT SHALL NOT BE REQUIRED TO EXCEED 48 INCHES IN LENGTH. WHERE A SIDE WALL IS PROVIDED OPPOSITE THE SEAT WITHIN 12 INCHES OF THE SEAT WALL, A GRAB BAR SHALL BE PROVIDED ON THE SIDE WALL OPPOSITE THE SEAT. THE SIDE WALL GRAB BAR SHALL EXTEND THE LENGTH OF THE WALL BUT SHALL NOT BE REQUIRED TO EXCEED 30 INCHES IN LENGTH. GRAB BARS SHALL BE 6 INCHES MAXIMUM FROM THE ADJACENT WALL.

ANSI 608.3.3 ALTERNATE ROLL-IN TYPE SHOWERS. IN ALTERNATE ROLL-IN TYPE SHOWER, GRAB BARS SHALL BE PROVIDED ON THE BACK WALL AND THE END WALL ADJACENT TO THE SEAT. GRAB BARS SHALL NOT BE PROVIDED ABOVE THE SEAT. GRAB BARS SHALL BE 6 INCHES MAXIMUM FROM THE ADJACENT WALL.

5 608 - SHOWER COMPARTMENTS

9 905 - STORAGE FACILITIES

ANSI 905.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305.

ANSI 905.3 HEIGHT. ACCESSIBLE STORAGE ELEMENTS SHALL COMPLY WITH AT LEAST ONE OF THE REACH RANGES SPECIFIED IN SECTION 306.

ANSI 905.4 OPERABLE PARTS. OPERABLE PARTS OF STORAGE FACILITIES SHALL COMPLY WITH SECTION 309.

9 905 - STORAGE FACILITIES

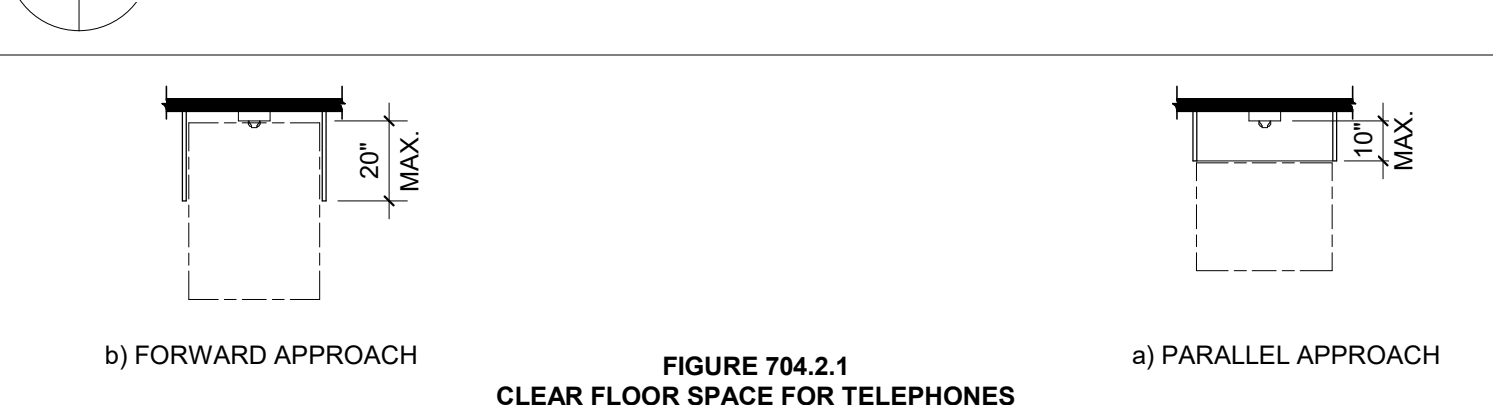


FIGURE 704.2.1 CLEAR FLOOR SPACE FOR TELEPHONES

ANSI 704.1 GENERAL. ACCESSIBLE PUBLIC TELEPHONES SHALL COMPLY WITH SECTION 704.

ANSI 704.2 WHEELCHAIR ACCESSIBLE TELEPHONES. WHEELCHAIR ACCESSIBLE PUBLIC TELEPHONES SHALL COMPLY WITH SECTIONS 704.2.

ANSI 704.2.1 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 305 SHALL BE PROVIDED. THE CLEAR FLOOR OR GROUND SPACE SHALL NOT BE RESTRICTED BY BASES, ENCLOSURES, OR FIXED SEATS.

EXCEPTION: DRIVE UP ONLY PUBLIC TELEPHONES ARE NOT REQUIRED TO COMPLY WITH SECTION 704.2.

ANSI 704.2.1.1 PARALLEL APPROACH. WHERE A PARALLEL APPROACH IS PROVIDED, THE DISTANCE FROM THE EDGE OF THE TELEPHONE ENCLOSURE TO THE FACE OF THE TELEPHONE UNIT SHALL BE 10 INCHES MAXIMUM.

ANSI 704.2.1.2 FORWARD APPROACH. WHERE A FORWARD APPROACH IS PROVIDED, THE DISTANCE FROM THE FRONT EDGE OF A COUNTER WITHIN THE ENCLOSURE TO THE FACE OF THE TELEPHONE UNIT SHALL BE 20 INCHES MAXIMUM.

ANSI 704.2.2 OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY WITH SECTION 309. TELEPHONES SHALL HAVE PUSH BUTTON CONTROLS WHERE SERVICE FOR SUCH EQUIPMENT IS AVAILABLE.

ANSI 704.2.3 TELEPHONE DIRECTORIES. WHERE PROVIDED, TELEPHONE DIRECTORIES SHALL COMPLY WITH SECTION 309.

ANSI 704.2.4 CORD LENGTH. THE TELEPHONE HANDSET CORD SHALL BE 29 INCHES MINIMUM IN LENGTH.

ANSI 704.2.5 HEARING-AID COMPATIBILITY. TELEPHONES SHALL BE HEARING-AID COMPATIBLE.

8 704 - TELEPHONES

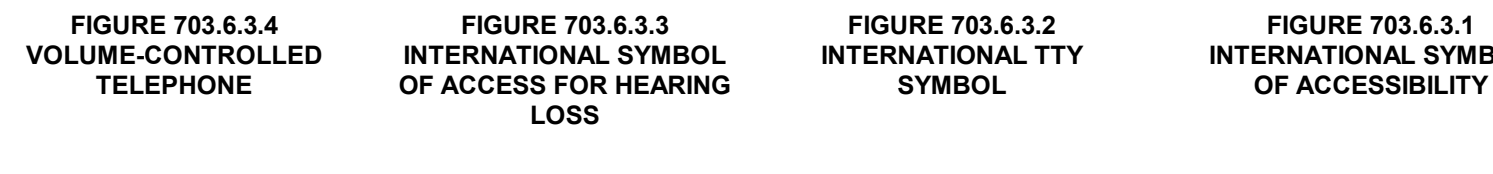


FIGURE 703.6.3.4 VOLUME-CONTROLLED TELEPHONE, FIGURE 703.6.3.3 INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS, FIGURE 703.6.3.2 INTERNATIONAL TTY SYMBOL, FIGURE 703.6.3.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY

ANSI 703.6.3.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 703.6.3.1.

ANSI 703.6.3.2 INTERNATIONAL SYMBOL OF TTY. THE INTERNATIONAL SYMBOL OF TTY SHALL COMPLY WITH FIGURE 703.6.3.2.

ANSI 703.6.3.3 ASSISTIVE LISTENING SYSTEMS. ASSISTIVE LISTENING SYSTEMS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS COMPLYING WITH FIGURE 703.6.3.3.

ANSI 703.6.3.4 VOLUME-CONTROLLED TELEPHONES. TELEPHONES WITH VOLUME CONTROLS SHALL BE IDENTIFIED BY A PICTOGRAM OF A TELEPHONE HANDSET WITH RADIATING SOUND WAVES ON A SQUARE FIELD COMPLYING WITH FIGURE 703.6.3.4.

7 703 - SYMBOLS

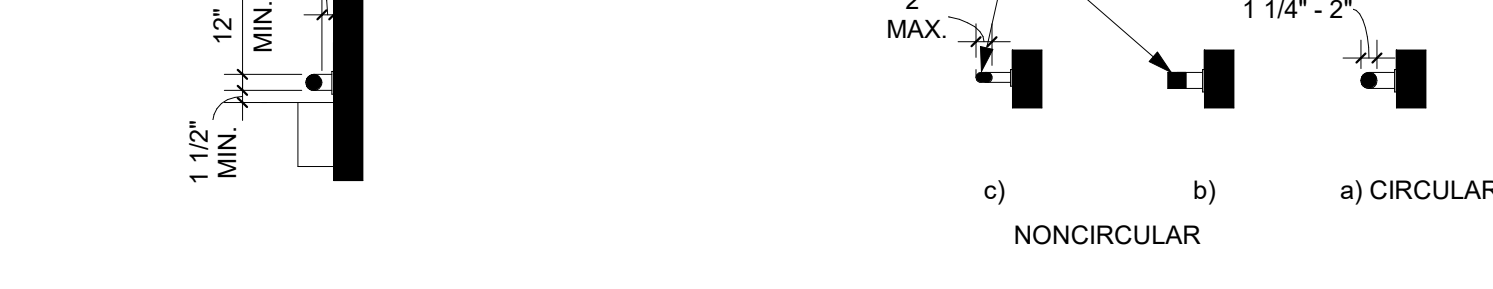


FIGURE 609.2 CIRCULAR, FIGURE 609.2 NONCIRCULAR, FIGURE 609.2 SIZE OF GRAB BARS

ANSI 609.2.1 CIRCULAR CROSS SECTION. GRAB BARS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCH MINIMUM AND 2 INCHES MAXIMUM.

ANSI 609.2.2 NON-CIRCULAR CROSS SECTION. GRAB BARS WITH A NONCIRCULAR CROSS SECTION SHALL HAVE A CROSS SECTION DIMENSION OF 2 INCHES MAXIMUM, AND A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 4.8 INCHES MAXIMUM.

ANSI 609.3 SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2 INCHES. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS OF THE GRAB BAR SHALL BE 1 1/2 INCHES MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE THE GRAB BAR SHALL BE 12 INCHES MINIMUM.

EXCEPTION: 1. THE SPACE BETWEEN THE GRAB BARS AND SHOWER CONTROLS, SHOWER FITTINGS, AND OTHER GRAB BARS ABOVE THE GRAB BAR SHALL BE PERMITTED TO BE 1 1/2 INCHES MINIMUM. 2. RECESSED DISPENSERS PROJECTING FROM THE WALL 1/4 INCH MAXIMUM MEASURED FROM THE FACE OF THE DISPENSER AND COMPLYING WITH SECTION 604.7 SHALL BE PERMITTED WITHIN THE 12-INCH SPACE ABOVE AND THE 1 1/2 INCH SPACES BELOW AND AT THE ENDS OF THE GRAB BAR.

6 609 - GRAB BARS



FIGURE 608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

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**WALL SCHEDULE**

Type Mark	Wall Thickness	Layers 5/8" Type 'X' Gyp. Bd. - Side A	Stud Size	Layers 5/8" Type 'X' Gyp. Bd. - Side B	Fire Rating	G.A. File No. or U.L. Design No.	STC	Sound Test	Partial Height	Wall System Extends to Underside of Deck	Studs to Deck @ 4'-0" O.C., Gyp. to +4" Above Cfg.	Studs and Gyp. Bd. to +4" Above Cfg.	Sound Batt Insulation	Cel-Bar Sound Insulation	Comments
001.01	2 1/4"	1	1 5/8"	-	-	-	-	-	-	X					1
101.01	3 1/8"	1	2 1/2"	-	-	-	-	-	X	X					1
300.01	4 1/4"	1	3 5/8"	-	-	-	-	-	-	-					1
300.02	4 7/8"	1	3 5/8"	1	-	-	-	-	X	X					1
301.01	4 1/4"	1	3 5/8"	-	-	-	-	-	-	X					1
301.02	4 7/8"	1	3 5/8"	1	-	-	-	-	-	X					1
302.01	4 1/4"	1	3 5/8"	-	-	-	-	-	X	X		X			1
302.02	4 7/8"	1	3 5/8"	1	-	-	49	-	SA-870717	X					1, 2
304.01	4 1/4"	1	3 5/8"	-	-	-	-	-	-	-	X				1
600.01	6 5/8"	1	6"	-	-	-	-	-	-	X					1
602.01	6 5/8"	1	6"	-	-	-	-	-	-	-		X			1
602.02	7 1/4"	1	6"	1	-	-	49	-	SA-870717	X					1, 2

**WALL SCHEDULE COMMENTS**

NOTE 1: WHERE REQUIRED, INSTALL HORIZONTAL WALL STUD BRIDGING AND/OR BRACING AT 5'-0" O.C. (MAX.) VERTICALLY TO PREVENT STUD ROTATION AND/OR MINOR AXIS BENDING.

NOTE 2: INSTALL ACOUSTICAL SEALANT BEADS AROUND PERIMETER OF WALL, CUTOUTS AND ELECTRICAL BOXES.

NOTE 3: EXTEND SOUND ATTENUATION BLANKETS 24" HORIZONTALLY EACH SIDE OF WALL ABOVE FINISHED CEILING.

NOTE 4: THIS WALL TYPE SHALL COMPLY WITH ALL REQUIREMENTS OF THE GOVERNING BUILDING CODE AND RELATED SECTIONS PERTAINING TO FIRE-RESISTIVE JOINT SYSTEMS, THROUGH PENETRATIONS, MEMBRANE PENETRATIONS, THROUGH-PENETRATION FIRE STOPS.

NOTE 5: SINGLE LAYER SYSTEMS: 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. SECOND LAYER: 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. THIRD LAYER: 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. STAGGER ALL VERTICAL AND HORIZONTAL JOINTS AT 24" O.C. EACH SIDE AND OPPOSITE SIDE.

NOTE 6: TWO LAYER SYSTEMS: FIRST LAYER: 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. SECOND LAYER: 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER: 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. STAGGER ALL VERTICAL AND HORIZONTAL JOINTS AT 24" O.C. EACH SIDE AND OPPOSITE SIDE.

NOTE 7: THREE LAYER SYSTEMS: FIRST LAYER: 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER: 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER: 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. STAGGER ALL VERTICAL AND HORIZONTAL JOINTS AT 24" O.C. EACH SIDE AND OPPOSITE SIDE.

NOTE 8: FOUR LAYER SYSTEMS: FIRST LAYER: 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER: 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER: 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. STAGGER ALL VERTICAL AND HORIZONTAL JOINTS AT 24" O.C. EACH SIDE AND OPPOSITE SIDE.

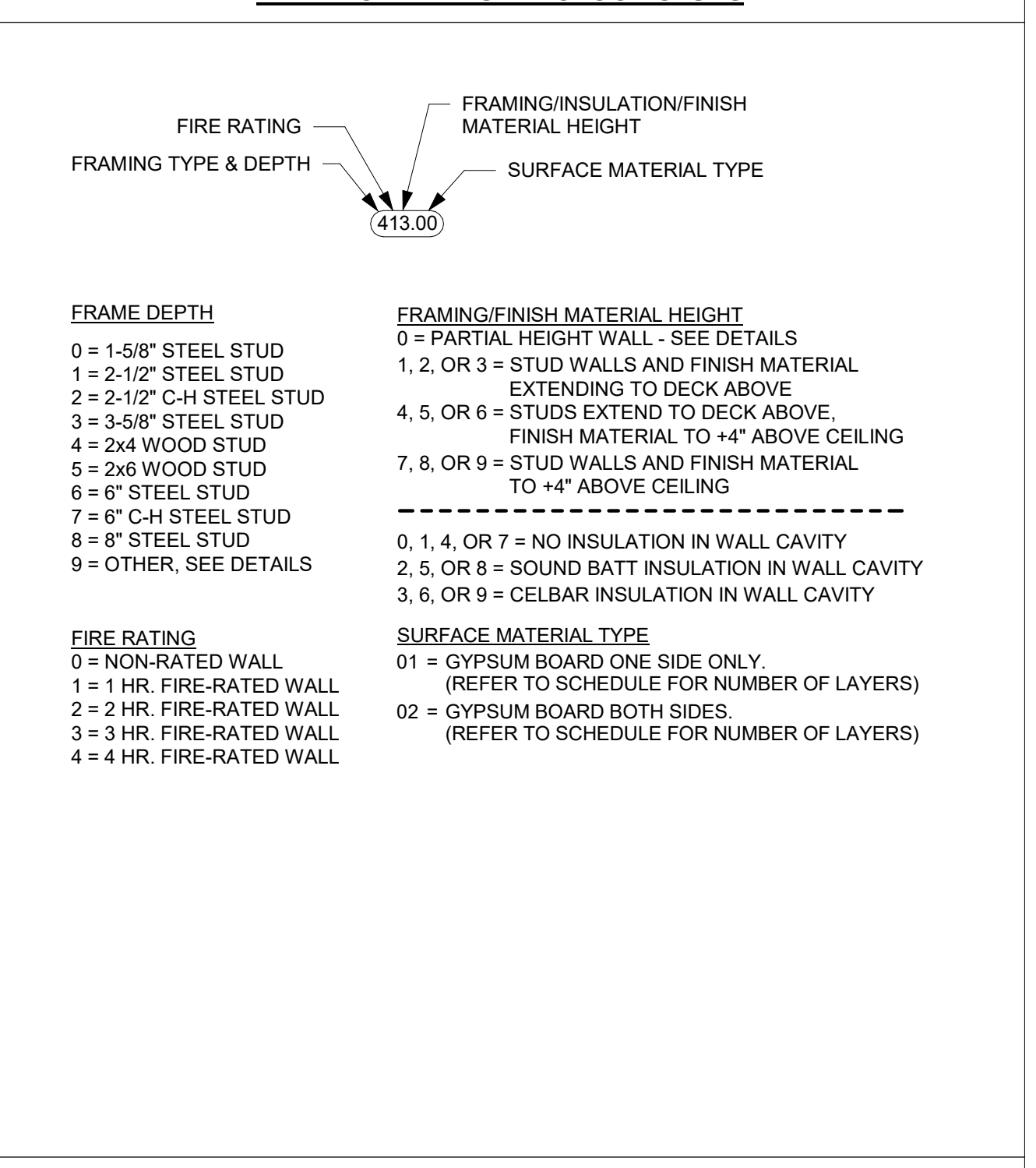
NOTE 9: RESILIENT FURRING CHANNELS FABRICATED FROM MIN 2 MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24 IN. OC. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 STEEL SCREWS.

NOTE 10: GYPSUM PANELS, WITH BEVELED, SQUARE OR TAPERED EDGES, NOM 5/8 IN. THICK, 48 IN. OR 1200 MM WIDE, APPLIED VERTICALLY OR HORIZONTALLY, ATTACHED TO STUDS WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 24 IN. OC. WHEN INSTALLED VERTICALLY OR 16 IN. OC. WHEN INSTALLED HORIZONTALLY. OUTER OR FACE LAYER ATTACHED TO STUDS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS SPACED 12 IN. OC. WHEN INSTALLED VERTICALLY AND STAGGERED 12 IN. FROM BASE LAYER SCREWS OR 6 IN. OC. WHEN INSTALLED HORIZONTALLY AND STAGGERED 6 IN. FROM BASE LAYER SCREWS. HORIZONTAL JOINTS BETWEEN INNER AND OUTER LAYERS STAGGERED A MIN OF 12 IN. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED 24 IN.

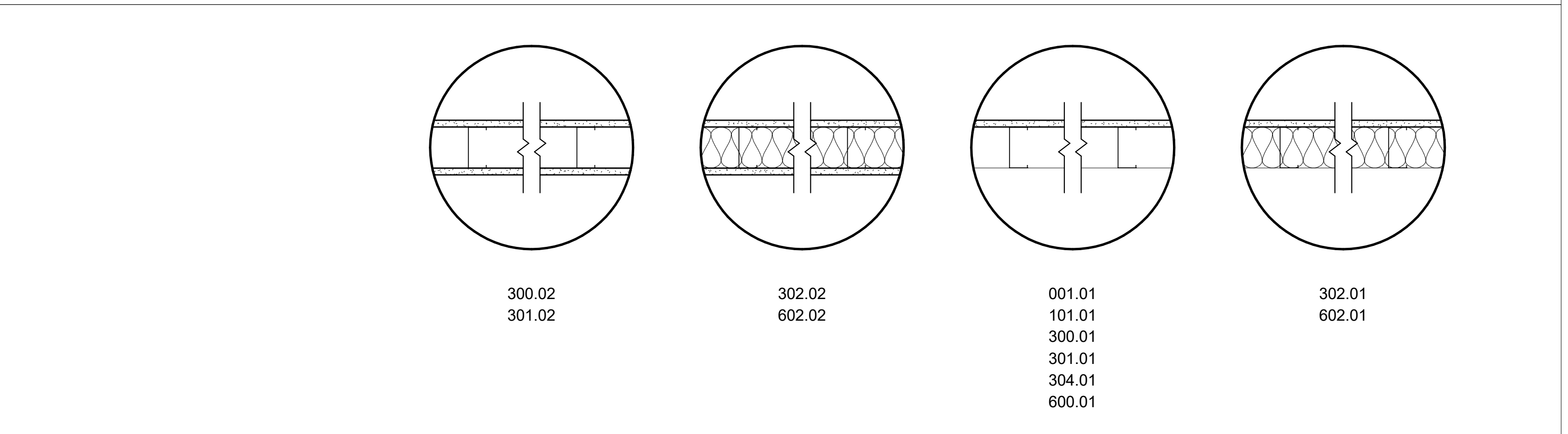
NOTE 11: GYPSUM PANELS, WITH BEVELED, SQUARE OR TAPERED EDGES, NOM 1/2 IN. OR 5/8 IN. THICK, 48 IN. OR 1200 MM WIDE, APPLIED VERTICALLY OR HORIZONTALLY IN TWO LAYERS. INNER OR BASE LAYER ATTACHED TO STUDS WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 24 IN. OC. WHEN INSTALLED VERTICALLY OR 16 IN. OC. WHEN INSTALLED HORIZONTALLY. MIDDLE LAYER ATTACHED TO STUDS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS SPACED 24 IN. OC. WHEN INSTALLED VERTICALLY AND STAGGERED 12 IN. FROM BASE LAYER SCREWS OR 6 IN. OC. WHEN INSTALLED HORIZONTALLY AND STAGGERED 6 IN. FROM BASE LAYER SCREWS. HORIZONTAL JOINTS BETWEEN INNER AND OUTER LAYERS STAGGERED A MIN OF 12 IN. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED 24 IN. ON ADJACENT LAYERS.

NOTE 12: GYPSUM PANELS, WITH BEVELED, SQUARE OR TAPERED EDGES, NOM 5/8 IN. THICK, 48 IN. OR 1200 MM WIDE, APPLIED VERTICALLY OR HORIZONTALLY IN THREE LAYERS. INNER OR BASE LAYER ATTACHED TO STUDS WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 24 IN. OC. WHEN INSTALLED VERTICALLY OR 16 IN. OC. WHEN INSTALLED HORIZONTALLY. MIDDLE LAYER ATTACHED TO STUDS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS SPACED 24 IN. OC. WHEN INSTALLED VERTICALLY OR 16 IN. OC. WHEN INSTALLED HORIZONTALLY. OUTER OR FACE LAYER ATTACHED TO STUDS WITH 2-1/4 IN. LONG TYPE S STEEL SCREWS SPACED 12 IN. OC. WHEN INSTALLED VERTICALLY OR 12 IN. OC. WHEN INSTALLED HORIZONTALLY. SCREWS OFFSET 6 IN. FROM LAYER BELOW. HORIZONTAL JOINTS ON ADJACENT LAYERS STAGGERED A MIN OF 12 IN. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED 24 IN. ON ADJACENT LAYERS.

**PARTITION TYPE SYMBOLOGY-STUDS**



**WALL TYPE GRAPHICS**



**WALL TYPE GENERAL NOTES**

**1. GENERAL**

A. REFER TO FINISH SCHEDULE FOR FLOOR, BASE, WALL AND CEILING FINISHES APPLIED OVER GYPSUM BOARD.

B. REFER TO STRUCTURAL DRAWINGS FOR ALL REINFORCING OF MASONRY UNITS AND FULLY GROUTED CELLS.

C. ALL EXTERIOR STUD WALLS SHALL HAVE BATT INSULATION INSTALLED FULL HEIGHT PER LOCAL ENERGY CODES. (MINIMUM R-19).

D. EXTERIOR WALL SHEATHING SHALL BE COVERED ON THE OUTSIDE FACE WITH A WEATHER-RESISTIVE BARRIER WHEN REQUIRED BY APPLICABLE BUILDING CODE.

E. WHERE WALL TYPES REFERENCE AN ISO OR U.L. ASSEMBLY, ALL ASPECTS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH ALL REQUIREMENTS OF THAT ASSEMBLY.

F. PARTITIONS AND CEILINGS SHALL BE PLUMB, LEVEL, SQUARE, AND TRUE TO INTENDED LINE IN ACCORDANCE WITH THE TOLERANCES IN THE SPECIFICATIONS OR RECOMMENDED TRADE STANDARD, WHICHEVER IS MORE STRINGENT.

**2. COLD-FORMED STEEL (METAL) STUDS AND FURRING**

A. COLD-FORMED STEEL (METAL) STUD SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE BUILDING CODE.

B. "NONLOAD-BEARING" COLD-FORMED STEEL (METAL) STUDS SHALL BE LIMITED TO A MAXIMUM DEFLECTION OF L/240. THE MAXIMUM DEFLECTION SHALL NOT EXCEED L/360 FOR VENEER PLASTER, TILE BACKER BOARD, MIRROR, TILE OR OTHER BRITTLE FINISH WALL SURFACES. THE CALCULATED LOAD SHALL INCLUDE ALL EXTRANEOUS FORCES AND A HORIZONTAL LOAD OF 5 POUNDS PER SQ. FT. OF PARTITION SURFACE.

C. "STRUCTURAL" COLD-FORMED STEEL (METAL) STUD "LOAD-BEARING" WALLS, "SHEAR" WALLS, "CURTAIN" WALLS, AND OTHER WALLS SUBJECT TO STRUCTURAL CALCULATIONS, SHALL BE DESIGNED TO RESIST ALL APPLICABLE LOADS AND FORCES AS CALCULATED BY THE STRUCTURAL ENGINEER. PRIOR TO THE FABRICATION OF "STRUCTURAL" FRAMING, THE CONTRACTOR SHALL SUBMIT SHOP (FABRICATION AND ERECTION) DRAWINGS WITH STRUCTURAL CALCULATIONS. THE STEEL STUD MANUFACTURER'S SPECIFICATIONS, STRUCTURAL DATA, TABLES, DETAILS AND/OR ANY REQUIRED ADDITIONAL INFORMATION TO THE ARCHITECT OR ENGINEER TO OBTAIN APPROVAL OF THE PROPOSED STEEL STUD SYSTEM.

D. COLD-FORMED STEEL (METAL) STUDS SHALL HAVE THE MANUFACTURER'S STANDARD CORROSION-RESISTANT COATING. FRAMING MEMBERS ATTACHED TO AND WITHIN 10 FEET OF EXTERIOR WALLS, "WET WALLS", AND SHALL BE SUBJECT TO CORROSION. EXCESSIVE HUMIDITY SHALL HAVE A HOT-DIPPED GALVANIZED COATING. STUDS SHALL HAVE COLOR CODED ENDS FOR GAUGE IDENTIFICATION.

E. RUNNERS (TRACKS) SHALL BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE. ALL BUTT JOINTS IN RUNNERS (TRACKS) SHALL BE ANCHORED TO A COMMON STRUCTURAL ELEMENT, BUTT-WELDED, OR SPLICED. BOTTOM RUNNERS (TRACKS) SHALL HAVE UNIFORM AND LEVEL BEARING WHERE STEEL STUDS TERMINATE. TRACKS SHALL BE FASTENED TO THE TRACK SHALL BE AVOIDED - THE STUDS SHALL BE RECONSTRAINED AGAINST ROTATION BY INSTALLING BRIDGING ADJACENT TO THE DEFLECTION TRACK.

F. SPLICES IN STEEL STUDS SUPPORTING COMPONENTS, OTHER THAN RUNNERS (TRACKS), SHALL NOT BE PERMITTED. STEEL STUDS SHALL BE PLUMBED, ALIGNED, TRUED AND SECURELY ATTACHED TO BOTH LOWER AND UPPER TRACKS (UNLESS THE STUD ENDS TERMINATE AT A DEFLECTION TRACK). JACK STUDS AND/OR CRIPPLES SHALL BE INSTALLED BELOW WINDOW SILLS AND ABOVE WINDOW AND DOOR HEADS, AND SHALL BE SECURELY ATTACHED TO SUPPORTING MEMBERS. WHERE INDICATED BY WALL TYPE, PROVIDE INSULATION (EQUAL TO THAT SPECIFIED ELSEWHERE IN THE WALL ASSEMBLY) AT ALL DOUBLE JAMB STUDTER MEMBERS, DOUBLE HEADER MEMBERS, AND OTHER MULTI-MEMBER COMPONENTS WHICH WILL NOT BE ACCESSIBLE TO THE INSULATION CONTRACTOR. WHERE REQUIRED, INSTALL HORIZONTAL WALL STUD BRIDGING AND/OR BRACING AT 5'-0" O.C. (MAX.) VERTICALLY TO PREVENT STUD ROTATION AND/OR MINOR AXIS BENDING. INSTALL DIAGONAL BRACING DOOR FRAME REINFORCEMENT, WEB STIFFENERS, CLIPS, UTILITY ANGLE, BLOCKING AND/OR BACKING PLATES, AND ADDITIONAL ACCESSORIES AS REQUIRED.

G. COLD-FORMED STEEL (METAL) STUDS IN "NON-LOAD-BEARING" INTERIOR PARTITIONS SHALL BE 25 GAUGE (MINIMUM), UNLESS OTHERWISE INDICATED OR REQUIRED. 20 GAUGE STEEL STUDS ARE REQUIRED, AS FOLLOWS: 1) FOR HEAD RUNNER, JAMB, AND CRIPPLE STUDS AT DOOR AND OTHER OPENINGS, 2) IN LOCATIONS TO RECEIVE CEMENTITIOUS BACKER UNITS, 3) WHERE INDICATED.

H. REFER TO STRUCTURAL FOR SHEAR WALL CONSTRUCTION AND LOCATIONS. STRUCTURAL REQUIREMENTS SHALL TAKE PRECEDENCE AT ALL SHEAR WALL LOCATIONS. SHOULD MODIFICATIONS BE REQUIRED, COORDINATE WITH ARCHITECT PRIOR TO MAKING ANY CHANGES.

I. PROVIDE HORIZONTAL STIFFENERS AT ALL WALLS AND PORTIONS OF WALLS WHICH ARE NOT GYPSUM BOARD SHEATHED ON BOTH SIDES.

J. 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 FIXTURES, CHANDLERS, CANOPIES, DRAPERY TRACKS, VALENCE, CABINETS, PLUMBING AND SIMILAR ITEMS. THE DRYWALL CONTRACTOR IS RESPONSIBLE TO SEE THAT THE VARIOUS OTHER TRADES SUBMIT THEIR SHOP DRAWINGS, SPECIAL DETAILS AND THE BACKING PLATES IN AMPLIE 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 GAUGE (MINIMUM) SHEET METAL AND SHALL BE LONG ENOUGH TO COVER AT LEAST 3 STUDS (MINIMUM). BACKING PLATES SHALL BE FASTENED TO EACH STUD AT A TOP AND BOTTOM OF PLATE (MINIMUM). MILLWORK AND CASEWORK SUPPLIERS SHALL PROVIDE ADEQUATE BLOCKING AND/OR BACKING TO SUPPORT ALL ITEMS WHICH THEY SUPPLY. (SUBJECT TO ARCHITECTS APPROVAL).

K. INSTALL ALL PERIMETER WALL SILL PLATES ON FIRBOS SILL SEALER.

L. ALL INTERIOR WALLS ON SLAB ON GRADE CONNECTED TO UNDERSIDE OF STRUCTURE ABOVE TO HAVE SLIP CONNECTION TO ACCOMMODATE SLAB OR STRUCTURE MOVEMENT.

M. THE CONTRACTOR(S) SHALL PROVIDE MAXIMUM ALLOWABLE PARTITION HEIGHTS BASED ON THE STUD MANUFACTURER'S PUBLICATIONS AND/OR ARCHITECT APPROVED SHOP DRAWINGS, SPECIFICATIONS AND DATA. WHERE SPECIFIC CONDITIONS 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 CEILING. PRIOR TO THE FABRICATION OF FRAMING, THE CONTRACTOR SHALL SUBMIT THE STEEL STUD MANUFACTURER'S SPECIFICATIONS, STRUCTURAL DATA, TABLES AND/OR ANY REQUIRED ADDITIONAL INFORMATION TO THE ARCHITECT OR ENGINEER TO OBTAIN APPROVAL OF THE PROPOSED STEEL STUD SYSTEM.

N. INCREASE STUD DEPTH AND/OR GAUGE WHERE REQUIRED FOR HANGERS, ELECTRICAL PANELS, FIRE HOSE CABINETS, PLUMBING LINES, ELECTRICAL CONDUITS, FIRE PROOFING 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 PRIOR TO INSTALLATION.

O. UNLESS OTHERWISE NOTED BY THE STRUCTURAL ENGINEER, HEAD TRACKS SHALL BE DEEP ENOUGH TO ALLOW 1/2" STRUCTURAL DEFLECTION WITHOUT COMPRESSING, BUCKLING, OR OTHERWISE DAMAGING THE ASSEMBLIES. INSTALL A 1/2" DEEP HEAD TRACKS AT PARTITIONS UNDER BEAMS, PLACED PRIOR TO THE FIREPROOFING APPLICATION. SET STUDS IN HEAD TRACKS ALLOWING 1/2" CLEARANCE AT THE TOP AND SECURE BY CRIMPING ON EACH SIDE OF STUD. DO NOT USE SCREWS.

**3. GYPSUM BOARD**

A. GYPSUM BOARD WALL SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE CODE.

B. CONTROL JOINTS SHALL BE LOCATED APPROXIMATELY EVERY 30 FEET IN LONG EXPANSES OF GYPSUM WALLBOARD PARTITIONS AND SHALL BE LOCATED AT DOOR JAMBS WHERE APPROPRIATE. GYPSUM WALLBOARD JOINTS IN SINGLE LAYER (OR THE FACE LAYER IN TWO LAYER) APPLICATIONS SHALL NOT OCCUR WITHIN 12" OF THE CORNERS OF DOORS, WINDOWS, OR OTHER OPENINGS UNLESS CONTROL JOINTS ARE INSTALLED AT THE CORNERS. WHEN "THROUGH-WALL" CONTROL JOINTS ARE REQUIRED IN FIRE-RATED ASSEMBLIES, THEY SHALL BE BASED ON WARNOCK-HERSEY REPORT WHI 651-0318.1, UNLESS OTHERWISE NOTED. WHEN "PERIMETER" CONTROL JOINTS ARE REQUIRED IN FIRE-RATED ASSEMBLIES, THEY SHALL BE BASED ON U.L. REPORT R-4024-7-8 AND FACTORY MUTUAL REPORT 1678-69, UNLESS OTHERWISE NOTED. WHERE STRUCTURAL MOVEMENT MAY IMPOSE DIRECT LOADS ON GYPSUM BOARD PARTITIONS, ISOLATION DETAILS ARE REQUIRED.

C. EXAMINE AND INSPECT SURFACES TO RECEIVE GYPSUM WALLBOARD AND CORRECT ANY DEFECTS (INCLUDING MISALIGNED FRAMING) PRIOR TO THE INSTALLATION OF DRYWALL. PROVIDE GYPSUM WALLBOARD PANELS OF THE TYPES INDICATED IN MAXIMUM LENGTHS AVAILABLE TO MINIMIZE END-TO-END BUTT JOINTS. EDGE AND END JOINTS SHALL BE CENTERED ON FRAMING MEMBERS (DO NOT PLACE TAPERED EDGES AGAINST CUT EDGES OR ENDS). END JOINTS SHALL BE STAGGERED (NOT LESS THAN ONE FRAMING MEMBER) AND JOINTS ON OPPOSITE SIDES OF A PARTITION SHALL NOT OCCUR ON THE SAME STUD. FASTENERS SHALL BE SET WITH THE HEADS SLIGHTLY BELOW THE SURFACE OF THE GYPSUM BOARD, BUT SHALL NOT BREAK THE FACE PAPER ("DIMPLED"). IMPROPERLY DRIVEN FASTENERS SHALL BE REMOVED.

D. CORNER BEADS, CASING BEADS (EDGE TRIM), CONTROL JOINTS AND SIMILAR TRIM ACCESSORIES SHALL BE HOT-DIP ZINC COATED (OR ROLLED ZINC), UNLESS NOTED OTHERWISE. INSTALL TRIM ACCESSORIES AS REQUIRED AND PER MANUFACTURER'S INSTRUCTIONS.

E. FOR JOINT TREATMENT, TEXTURING, AND DECORATION OF GYPSUM BOARD SURFACES, MAINTAIN ADEQUATE VENTILATION AND A ROOM TEMPERATURE OF BETWEEN 50 AND 95 DEGREES (F) FOR 48 HOURS PRIOR TO APPLICATION AND CONTINUOUSLY THEREAFTER UNTIL COMPLETELY DRY. PROVIDE THE FOLLOWING LEVELS OF GYPSUM BOARD FINISH PER GA-214 IN THE AREAS INDICATED. LEVEL 1 - PLENUMS ABOVE SUSPENDED CEILINGS, AND OTHER CONCEALED SPACES WHERE A FIRE RESISTANCE RATING IS REQUIRED. CONSTRUCTION MUST BE IN ACCORDANCE WITH THE TESTED ASSEMBLY. LEVEL 2 - AREAS SCHEDULED TO RECEIVE TILE. LEVEL 3 - AREAS SCHEDULED TO RECEIVE HEAVY OR MEDIUM TEXTURED COATINGS OR HEAVY-GRADE TEXTURED WALL COVERINGS. LEVEL 4 - AREAS SCHEDULED TO RECEIVE LIGHT TEXTURED COATINGS, LIGHT-GRADE WALL COVERINGS (EXCEPT UNBACKED VINYL GLOSS FINISH, OR LIMITED PATTERN WALL COVERINGS), OR FLAT PAINT. LEVEL 5 - ALL OTHER AREAS INCLUDING AREAS WHERE GLOSS, SEMI-GLOSS, ENAMEL, OR NONTEXTURED FLAT PAINTS ARE SPECIFIED OR WHERE SEVERE LIGHTING CONDITIONS EXIST.

F. ALL WET AREAS (I.E. RESTROOMS, KITCHEN, MECHANICAL ROOMS, LAUNDRY, ETC.) TO HAVE MIN. 1'-0" HIGH OF CEMENT BOARD AT BASE. COORDINATE BASE/ WALL FINISHES ACCORDINGLY.

G. AT CURVED PARTITIONS, SUBSTITUTE 8 1/2" TYPE 'X' GYPSUM BOARD FOR 2 LAYERS GYPSUM PANEL WITH PAPER. THICKNESS REQUIRED TO MEET MINIMUM BENDING RADIUS OF DRY GYPSUM PANEL INSTALLATION. GYPSUM PANELS TO BE FASTENED PER MFR. RECOMMENDATIONS.

H. TAPE AND FILL JOINTS, AND SEAL PERIMETERS OF CUTS AND PLENUMS SO THAT THE ASSEMBLIES ARE AIR TIGHT.

I. PROVIDE SEALANT AROUND ALL PLUMBING FIXTURES, PIPING, AND EQUIPMENT ABUTTING OR PENETRATING A WALL OR PARTITION.

J. NON-FIRE-RATED INTERIOR GYPSUM BOARD CEILINGS AND SOFFITS SHALL BE OF 5/8" TYPE 'X' GYPSUM BOARD. PANELS SHALL BE APPLIED PERPENDICULAR TO METAL SUPPORT MEMBERS AT 24" O.C. (MAX.). PANELS MAY BE APPLIED PARALLEL TO METAL SUPPORT MEMBERS AT 16" O.C. (MAX.). GYPSUM BOARD CEILING PANELS SHALL BE ATTACHED TO THE METAL SUPPORT MEMBERS WITH TYPE 'S' DRYWALL SCREWS AT 12" O.C. (MAX.) IN FIELD AND ALONG ENDS AND EDGES OF BOARD. PANEL END JOINTS SHALL BE STAGGERED 24" (MIN.). LOCATE PANEL END AND EDGE JOINTS OVER SUPPORTS. IF WATER-BASED TEXTURING MATERIAL OR OTHER SLOW DRYING SURFACE TREATMENT WILL BE APPLIED, GYPSUM BOARD PANELS MUST BE APPLIED PERPENDICULAR TO THE SUPPORT MEMBERS.

K. NON-FIRE-RATED INTERIOR M.R. (MOISTURE RESISTANT) GYPSUM BOARD CEILINGS AND SOFFITS SHALL BE OF 5/8" TYPE 'X' WATER RESISTANT GYPSUM BOARD. PANELS SHALL BE APPLIED PERPENDICULAR TO METAL SUPPORT MEMBERS AT 12" O.C. (MAX.). WATER RESISTANT GYPSUM BOARD CEILING PANELS SHALL BE ATTACHED TO THE METAL SUPPORT MEMBERS WITH TYPE 'S' DRYWALL SCREWS AT 12" O.C. (MAX.) IN FIELD AND AT 8" O.C. (MAX.) ALONG ENDS AND EDGES OF BOARD. PANEL END JOINTS SHALL BE STAGGERED 24" (MIN.). LOCATE PANEL END AND EDGE JOINTS OVER SUPPORTS. WATER RESISTANT GYPSUM BOARD SHALL NOT BE USED OVER A VAPOR RETARDER ("BARRIER") OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY.

**4. STC AND FIRE RATING**

A. FOR EXTENT OF FIRE RATED ASSEMBLIES, REFER TO PARTITION TYPES AND RATED WALL DESIGNATIONS ON CODE PLANS. FIRE RATED ASSEMBLIES ARE TO BE CONTINUOUS FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE U.O.N. PARTITIONS SHALL BE TIGHT FITTING AROUND ALL STRUCTURAL SHAPES (MECHANICAL, PLUMBING, AND ELECTRICAL ITEMS) AND PENETRATIONS WITH FIRESTOP SEALANT AS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

B. IN FIRE-RATED WALLS, INCREASE GYPSUM WALLBOARD THICKNESS BEHIND AND AROUND NON-RATED RECESSED OR SEMI-RECESSED ELECTRICAL PANELS, FIRE EXTINGUISHER CABINETS, FIRE HOSE CABINETS, TOILET ACCESSORIES AND SIMILAR ITEMS AS REQUIRED BY CODE.

C. FOR FIRE-RATED FLOOR-CEILING OR ROOF-CEILING ASSEMBLIES, APPLY GYPSUM BOARD AND FASTENERS AS SPECIFIED IN THE FIRE-TESTED ASSEMBLY.

D. ALL PENETRATIONS, GAPS, AND OPENINGS THROUGH FIRE-RATED ASSEMBLIES AND EXTERIOR WALLS SHALL BE SEALED WITH FIRE STOPS, FIRESTOPPING, FIRE SAFING INSULATION, U.L. RATED PUTTY, OR U.L. RATED SEALANTS (INCLUDING SLEEVES, DAMMING BOARDS AND ACCESSORIES) TO MAINTAIN FIRE-RATING REQUIRED FOR ASSEMBLY. ALL SEALANTS SHALL BE SUBMITTED TO ARCHITECT AND LOCAL AUTHORITIES FOR APPROVAL PRIOR TO USE. DUCTWORK SHALL BE PROVIDED WITH RATED FIRE DAMPERS WHERE IT PENETRATES A FIRE-RATED ASSEMBLY. PENETRATIONS SHALL CONFORM TO BUILDING CODE STATED ON COVER SHEET.

E. PARTITIONS DETAILED WITH SPECIFIC S.T.C. RATINGS AND/OR FIRE RATINGS ARE THE STANDARD TESTED SYSTEMS INDICATED. INSTALL THE PARTITIONS IN STRICT ACCORDANCE WITH THE PUBLISHED TEST SPECIFICATIONS AND DETAILS IN ORDER TO ACHIEVE THE REQUIRED S.T.C. AND/OR FIRE RATINGS.

F. SOUND ATTENUATION BLANKETS OCCUR IN PARTITIONS THAT SEPARATE RETAIL AREAS FROM STAFF AREAS AND RESTROOMS, U.O.N.

G. THE OWNER MAY ELECT TO TEST THE PARTITIONS FOR SOUND TRANSMISSION LEVELS AND THE SHAFTS FOR AIR TIGHTNESS. ASSEMBLIES FAILING TO PASS THE TESTS SHALL BE REMEDIED AND THE COST OF THE TESTING PROGRAM SHALL BE BORNE BY THE PARTITION CONTRACTOR.

H. PROVIDE BOTTOM RUNNER TRACKS ON ALL ACOUSTICAL WALL PARTITIONS. SET IN TWO CONTINUOUS BEADS OF ACOUSTICAL SEALANT, ONE ON EACH SIDE OF THE DEFLECTION CHANNEL OR RUNNER TRACK. EXTEND WALL FINISH TO DECK ABOVE AND SEAL WITH ACOUSTICAL SEALANT.



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CONSULTANT:

CLIENT/PROJECT:

**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION

**WALL TYPES**

50% DESIGN DEVELOPMENT

DRAWING SCALE: WGA PROJECT NUMBER:  
As indicated 23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**A-020**





WORTHGROUP ARCHITECTS & DESIGNERS

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REVISIONS

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**TYPICAL FRAMING DETAILS - METAL STUD**

50% DESIGN DEVELOPMENT

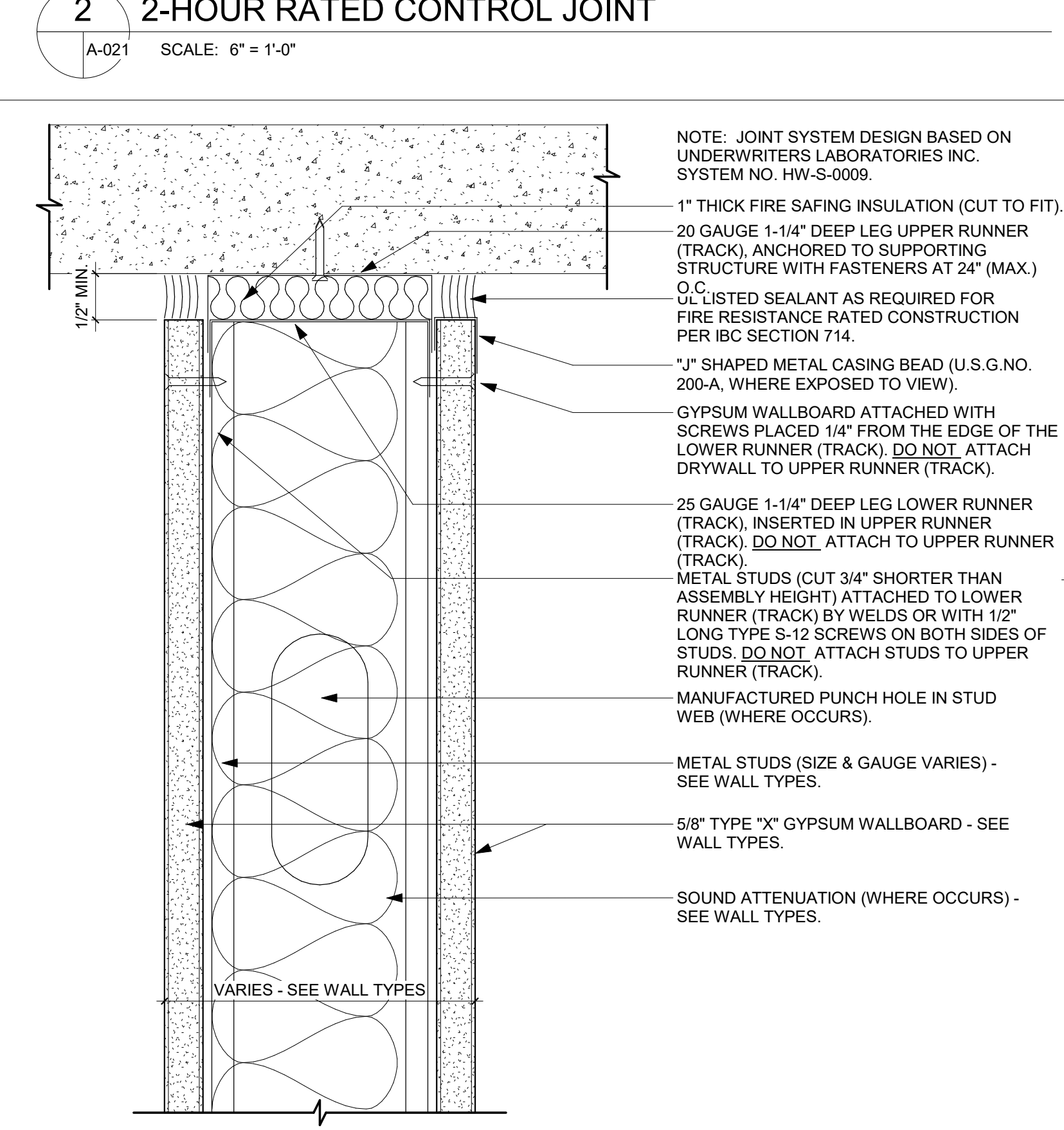
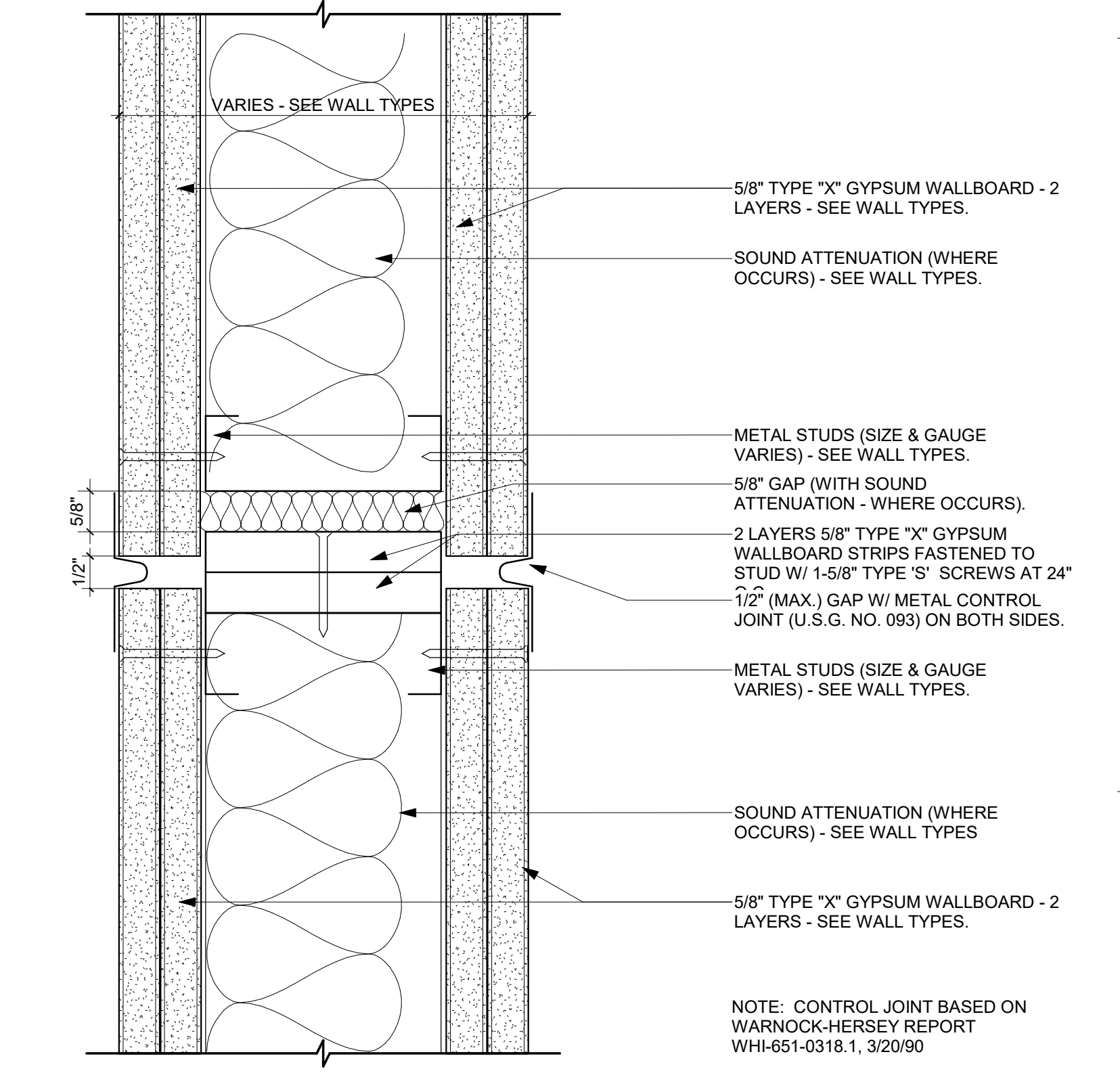
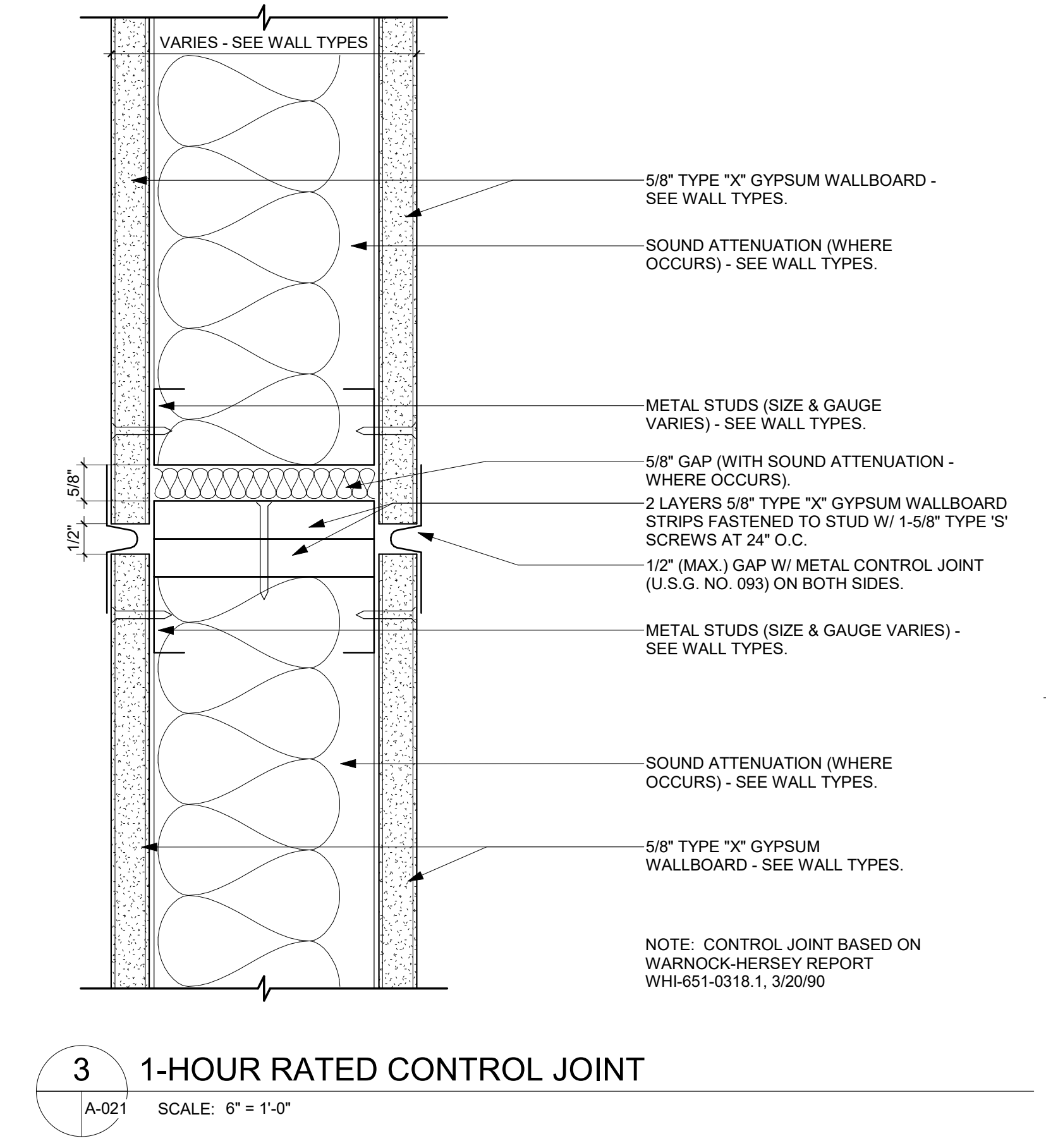
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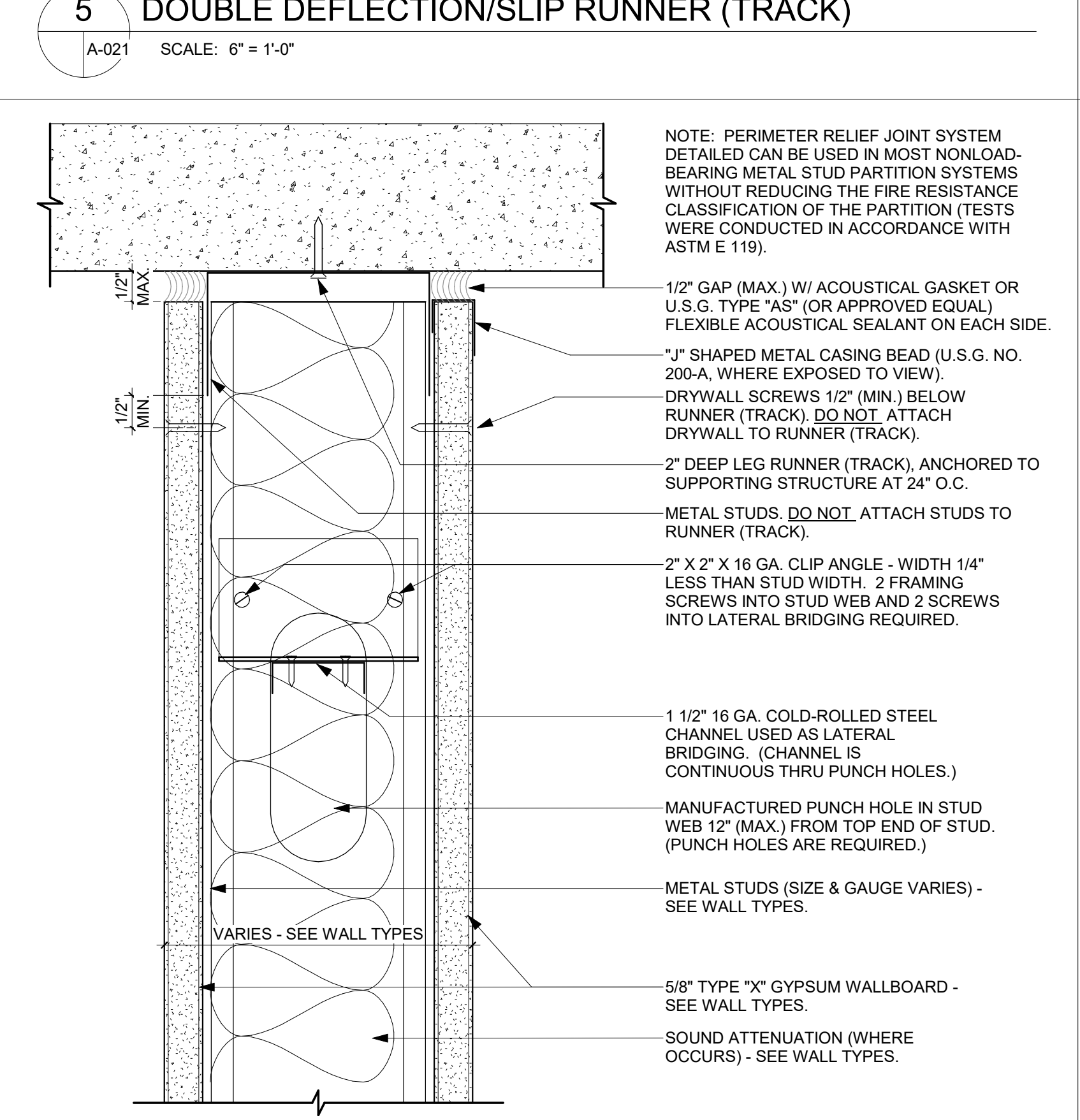
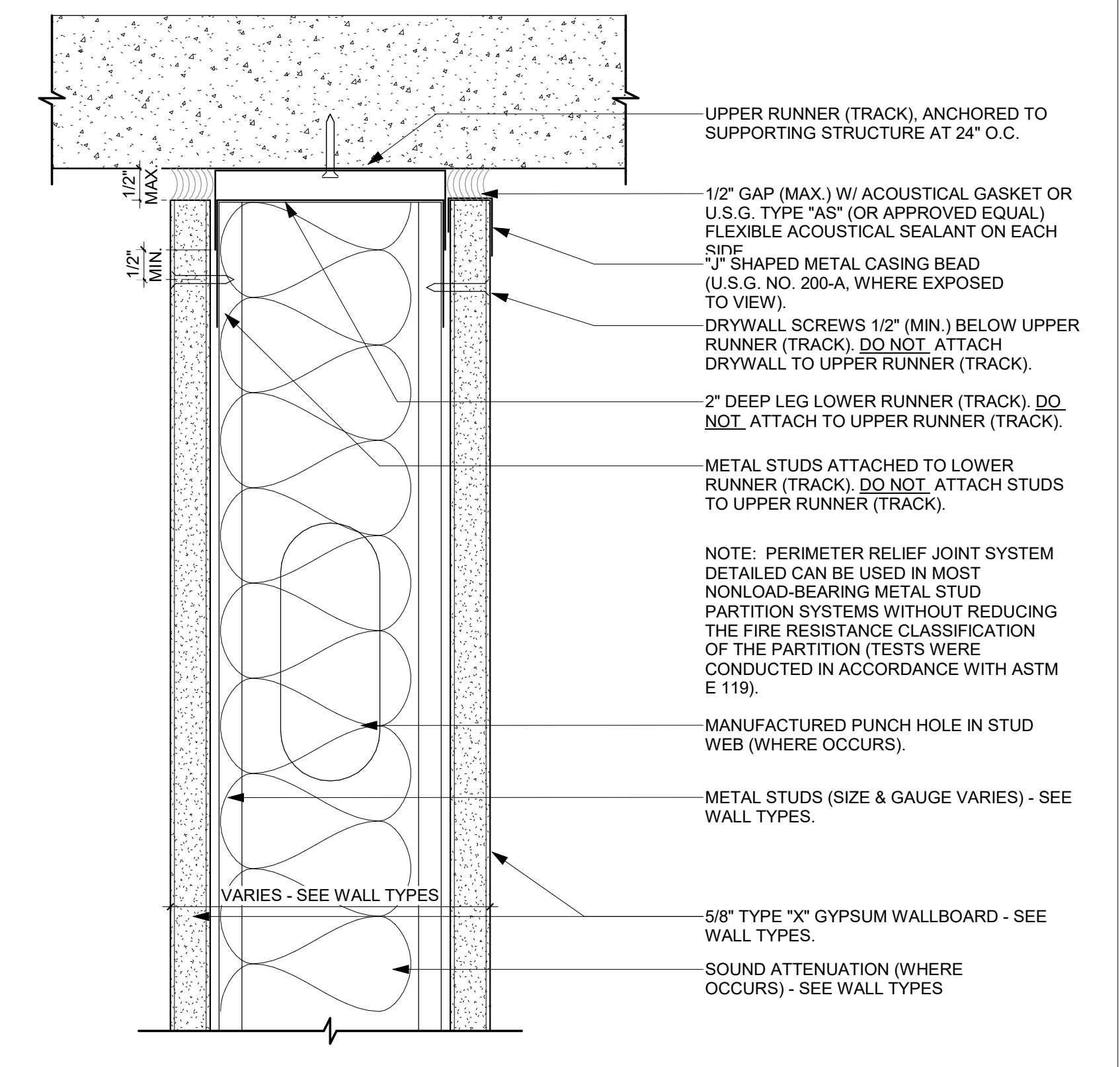
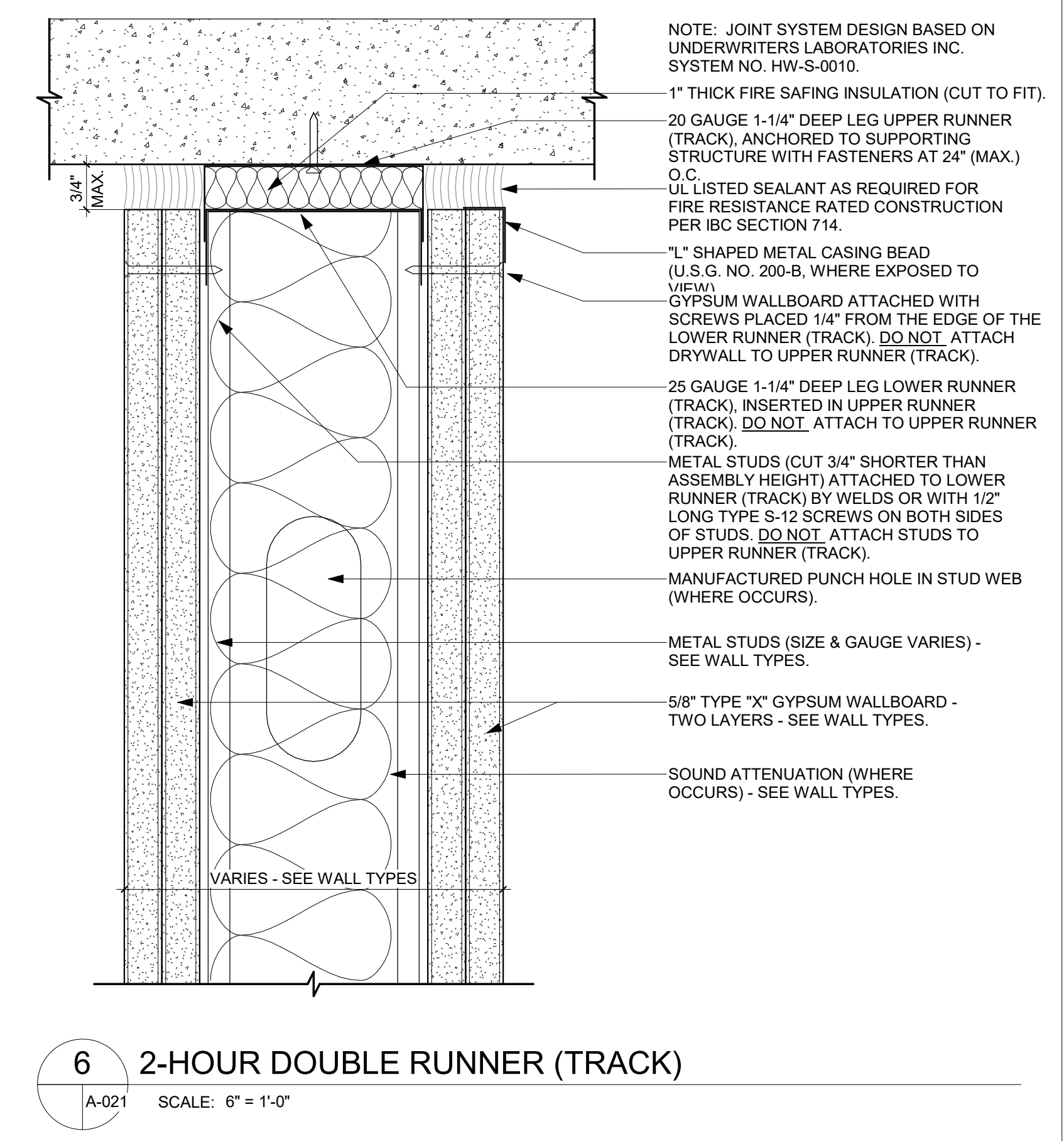
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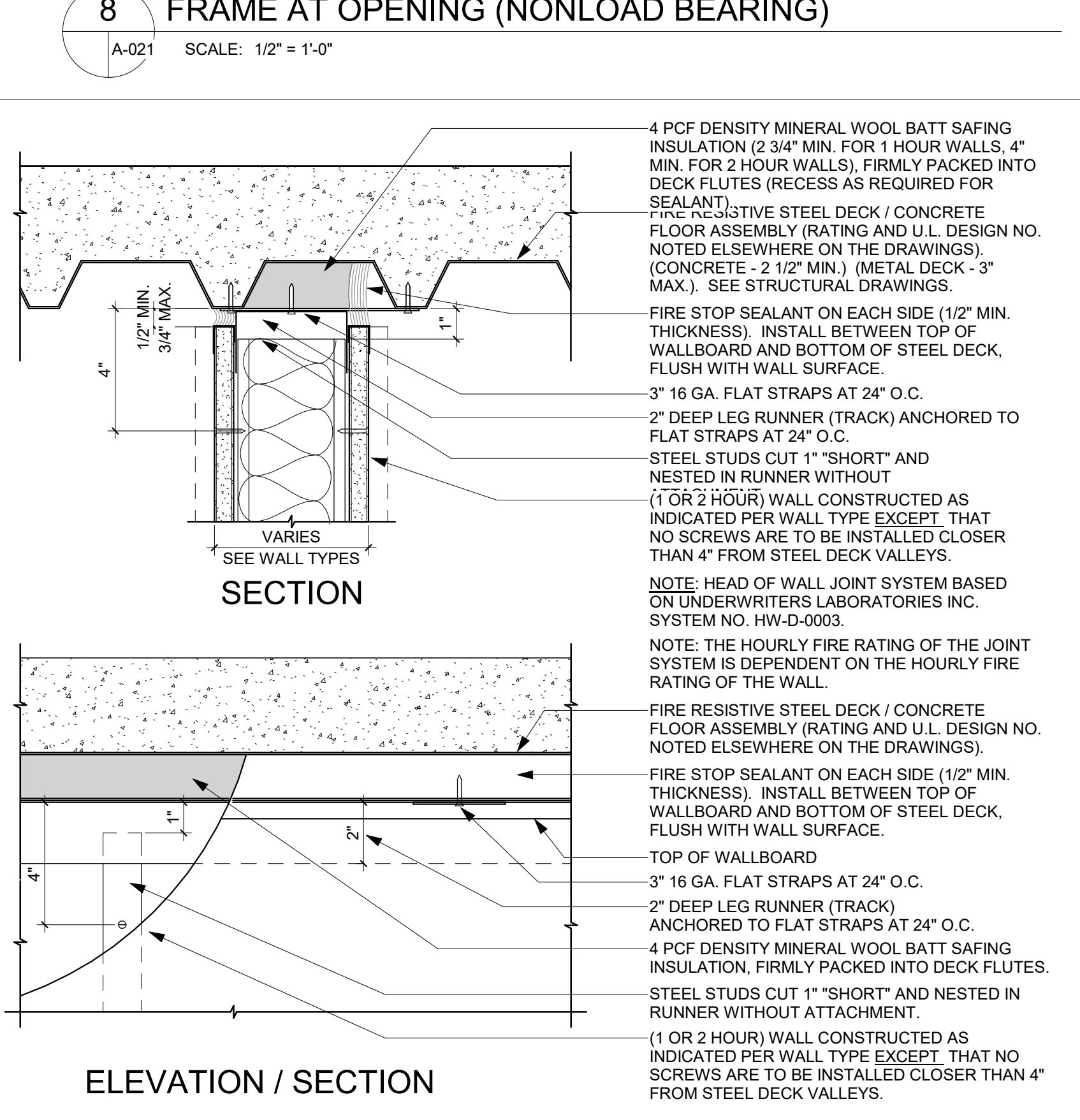
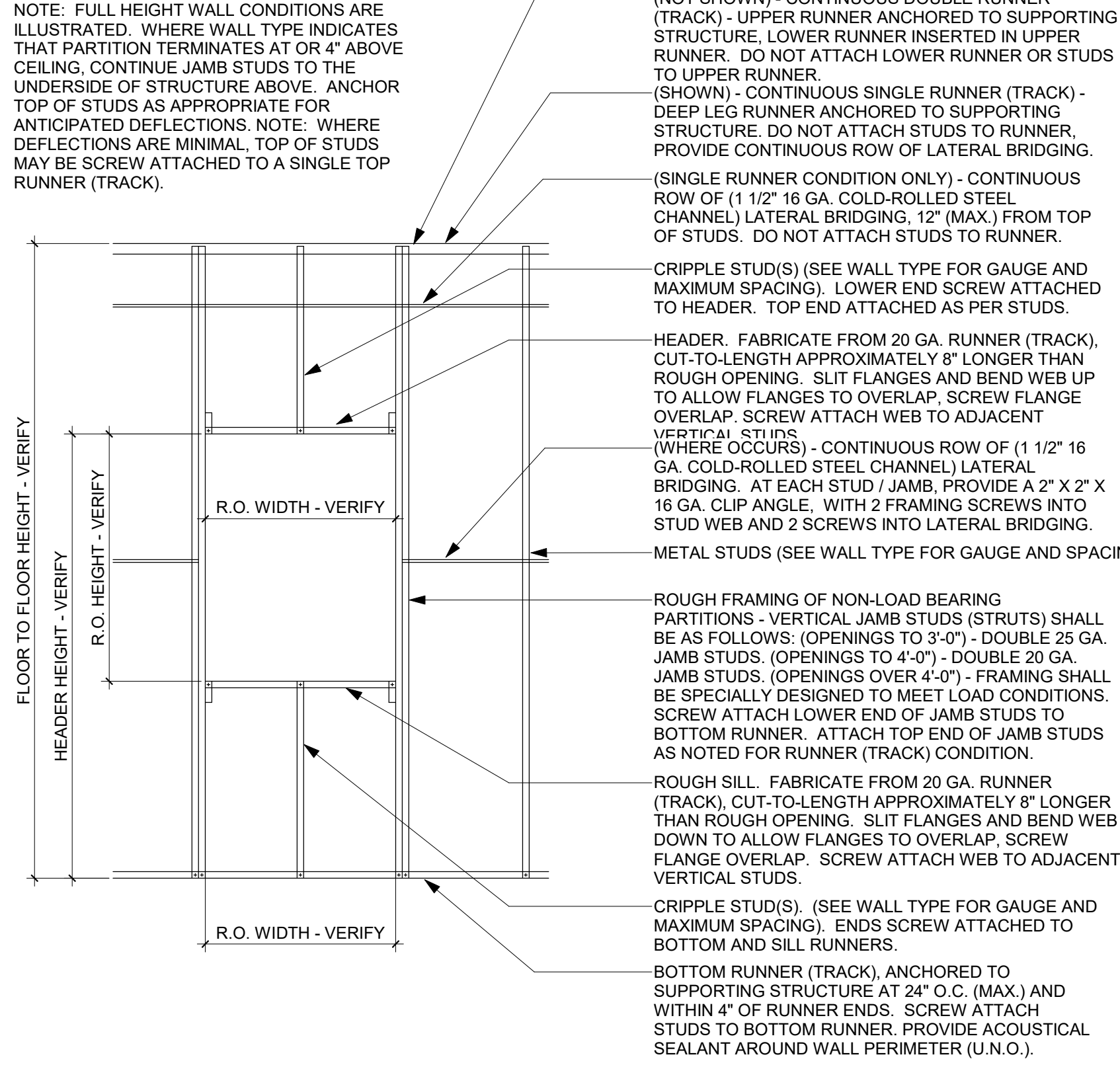
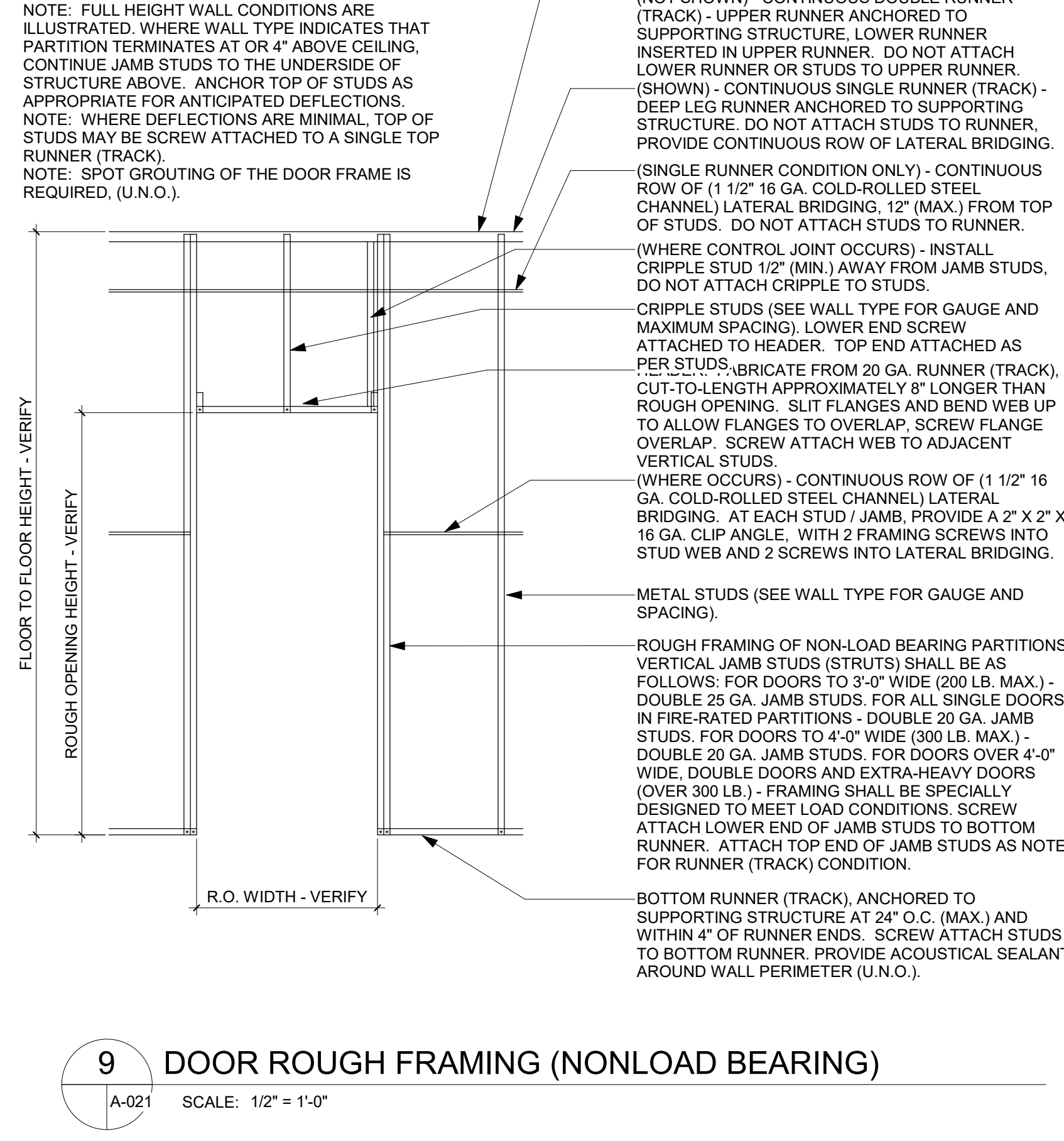
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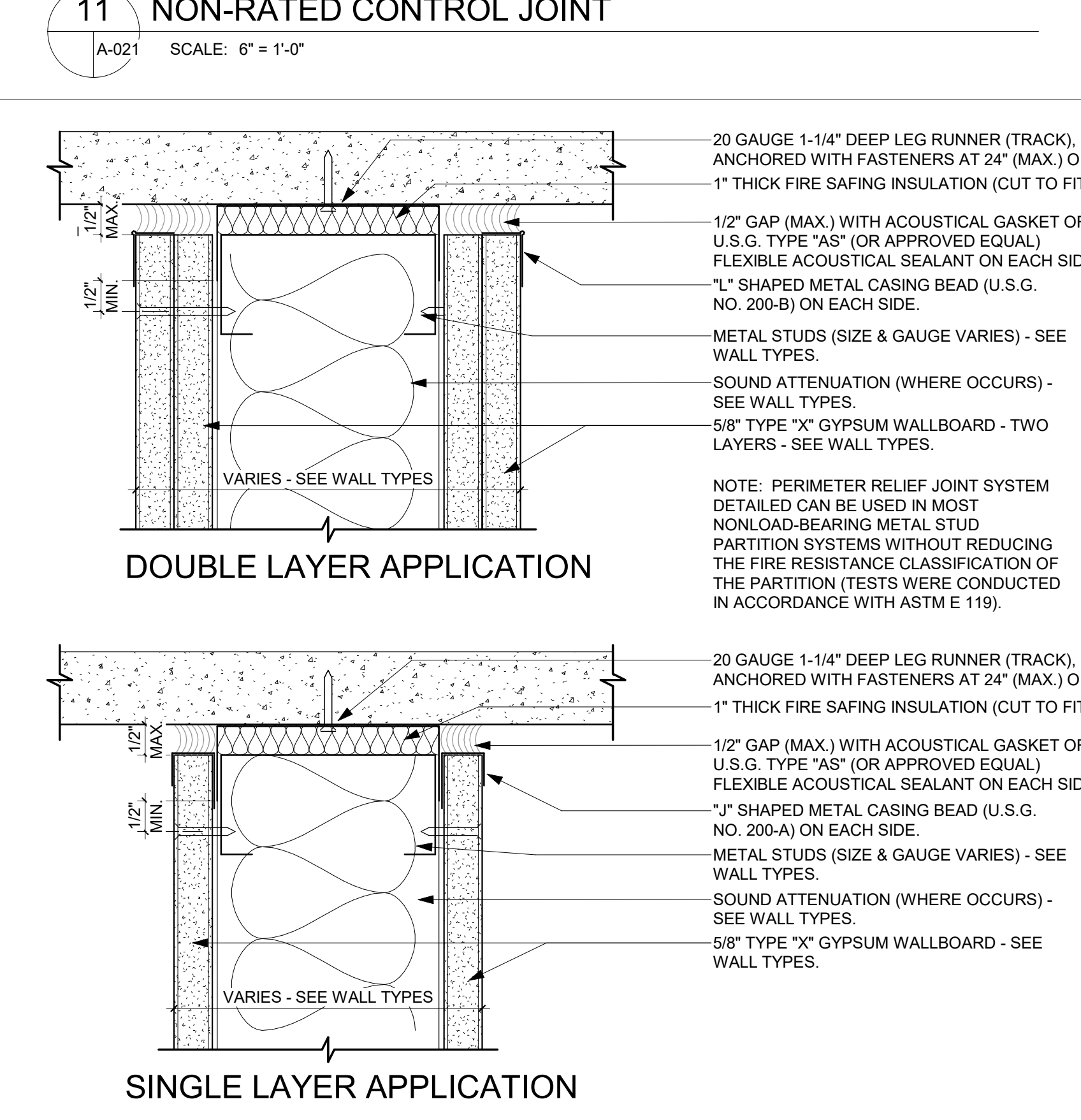
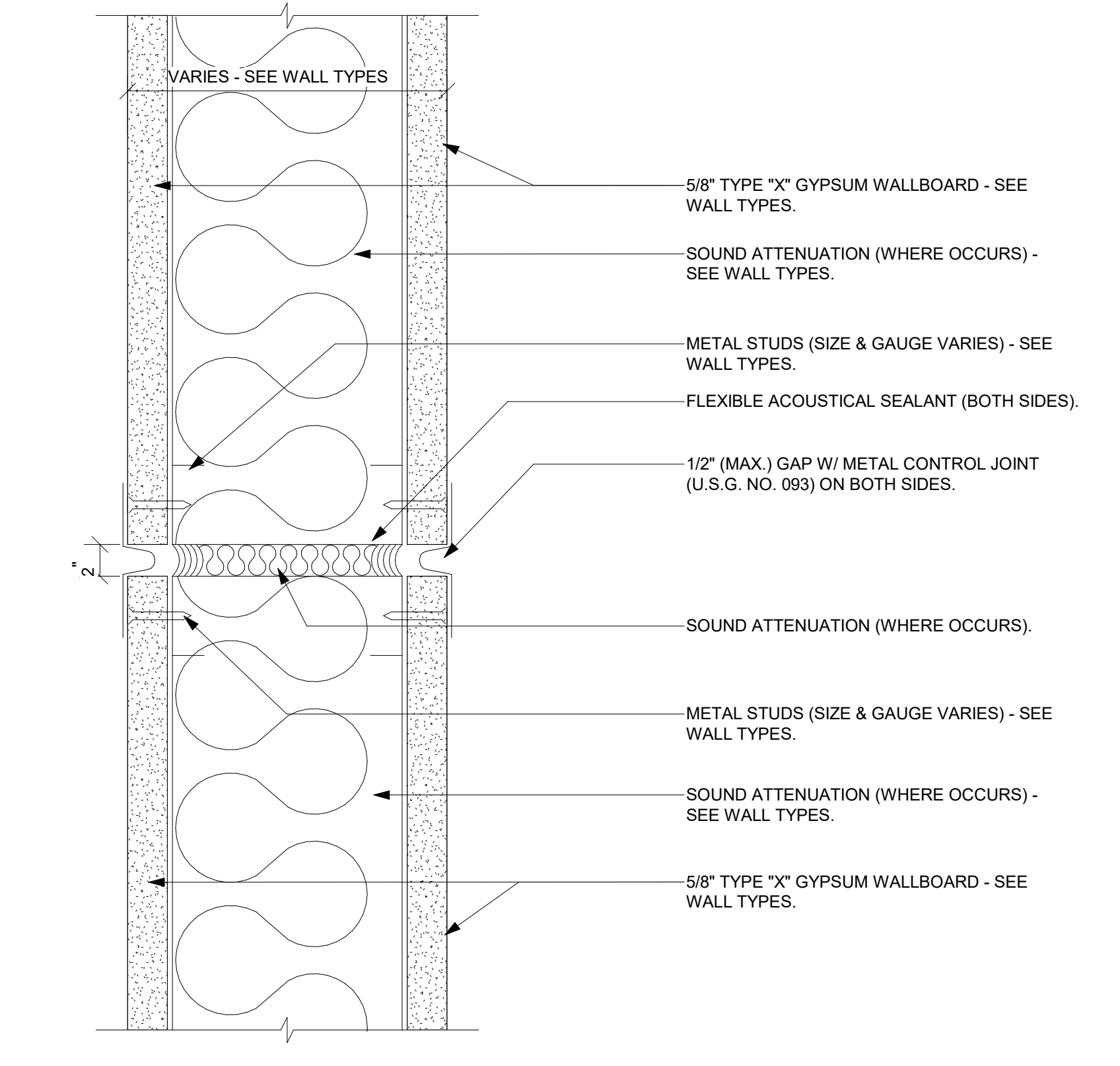
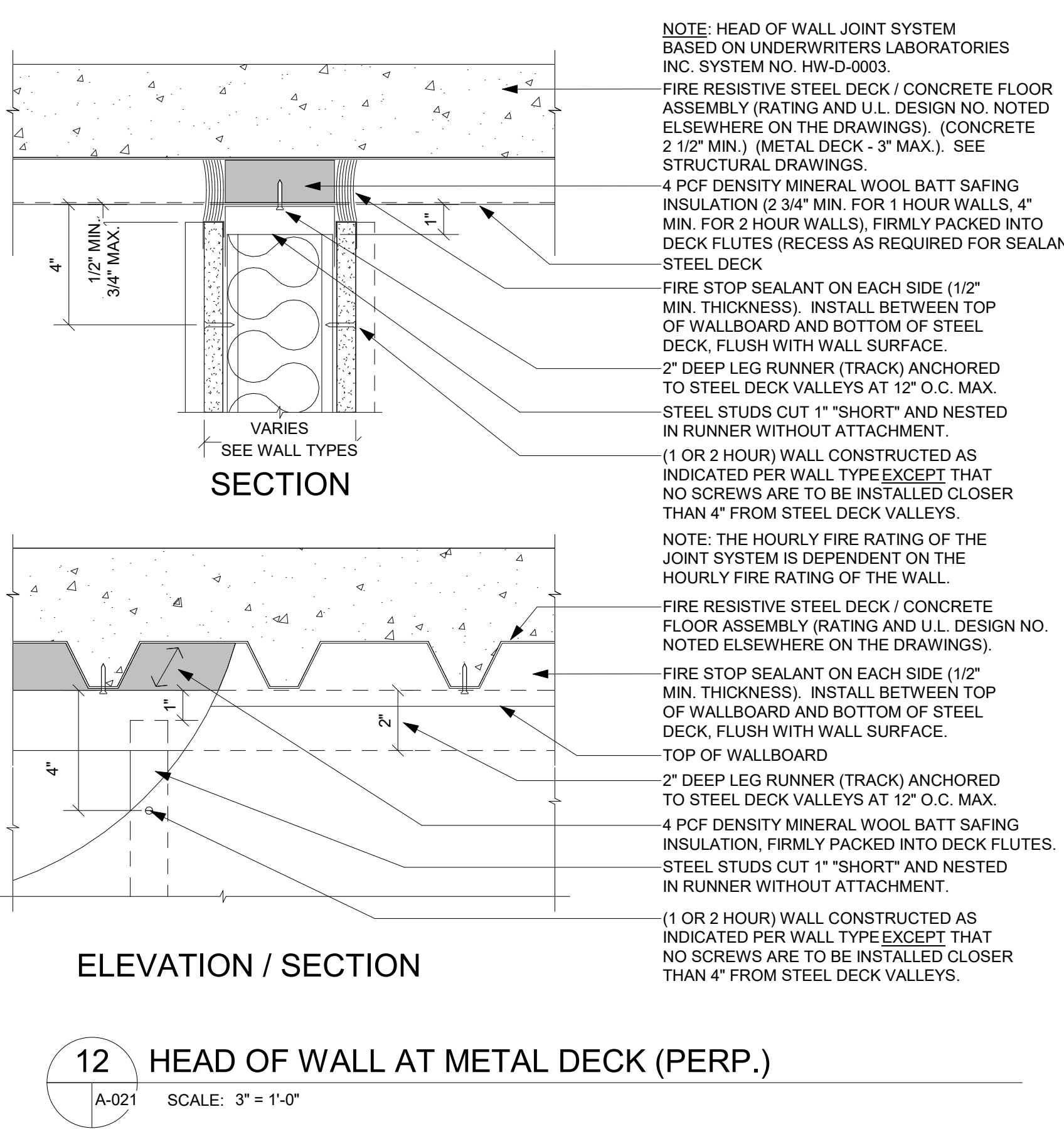
**1 1-HOUR DOUBLE RUNNER (TRACK)**  
A-021 SCALE: 6" = 1'-0"



**4 SINGLE DEFLECTION/SLIP RUNNER (TRACK)**  
A-021 SCALE: 6" = 1'-0"



**7 HEAD OF WALL AT METAL DECK (PARALLEL)**  
A-021 SCALE: 3" = 1'-0"



**10 PERIMETER RELIEF AT WALL INTERSECTION**  
A-021 SCALE: 6" = 1'-0"

PRINT DATE: 12/26/2023 9:50:04 AM



Use Group	Area	Occ Load	Occupants
ASSEMBLY	4,362 ft <sup>2</sup>	15	293
BUSINESS	159 ft <sup>2</sup>	150	2
KITCHEN	2,141 ft <sup>2</sup>	200	12
STORMECH	408 ft <sup>2</sup>	300	5
<b>TOTAL</b>	<b>7,070 ft<sup>2</sup></b>		<b>312</b>

PLUMBING FIXTURE CALCULATIONS					
Occupancy Classification	Occupants	WC Required Men	WC Required Women	Lavs Required	Drinking Fountains Required
ASSEMBLY - RESTAURANT	312	2.09	2.09	1.57	1.00
<b>TOTALS</b>	<b>312</b>	<b>2.09</b>	<b>2.09</b>	<b>1.57</b>	<b>1.00</b>

### EGRESS PLAN CODE REVIEW:

**MEANS OF EGRESS:**  
 OCCUPANT LOADS (TABLE 1004.5):  
 OCCUPANCY CLASSIFICATION: LOAD FACTOR: 2 EXITS:  
 SEE TABLE BREAKOUT

TRAVEL DISTANCE SHALL NOT EXCEED 250' IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT (TABLE 1017.1.2(1) 2018 I.B.C.) OCCUPANCY F-1.

NUMBER OF EXITS: PER TABLE 1006.2.1 (2018 I.B.C.)

THE WIDTH (IN INCHES) OF STAIRWAYS IN THE EGRESS SYSTEM SHALL NOT BE LESS THAN THE OCCUPANT LOAD X 0.3. THE WIDTH (IN INCHES) OF OTHER COMPONENTS IN THE EGRESS SYSTEM SHALL NOT BE LESS THAN THE OCCUPANT LOAD X 0.3 (RAMPS, HALLWAYS, CORRIDORS, AND EXIT PASSAGEWAYS), BUT IN NO CASE LESS THAN THE MINIMUM SPECIFIED BY THE CODE. MINIMUM EXIT WIDTH (CORRIDORS, STAIRS, RAMPS) = 44" MINIMUM (2018 I.B.C., 1005.3.1, 1005.3.2, 1011.1, 1012).

WHERE 2 OR MORE EXITS ARE REQUIRED, AT LEAST TWO SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED. IF BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT (2018 I.B.C., 1007.1.1)

EXIT DOORS SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN THE AREA SERVED HAS AN OCCUPANT LOAD OF 50 OR MORE (2018 I.B.C., 1010.1.2.1).

DEAD ENDS: THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT THERE ARE NO DEAD ENDS IN HALLWAYS OR CORRIDORS MORE THAN 20' IN LENGTH (2018 I.B.C., 1003.9).

EXIT AND EXIT ACCESS DOORS SERVING GROUP A OCCUPANCIES SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE (2018 I.B.C., 1010.1.10).

### FIRE EXTINGUISHERS:

**FIRE EXTINGUISHERS:**  
 COORDINATE THE SIZE, TYPE AND LOCATION OF FIRE EXTINGUISHERS WITH SPECIFICATIONS.  
 BOTTOM OF F.E.C. TO BE MOUNTED AT + 27" A.F.F. MAX.  
 MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER IS 75 FEET.  
 ALL CABINETS TO HAVE MULTIPURPOSE DRY CHEMICAL EXTINGUISHERS.  
 F.E.C.'S SHOWN ARE KEYNOTED NEW.

### EGRESS GENERAL NOTES:

- FOR PURPOSES OF CALCULATING EGRESS, 1 3/4" WIDE DOOR IS ASSUMED TO HAVE A 32" CLEAR WIDTH.
- MAXIMUM ROOM OCCUPANCY SIGNS TO BE POSTED IN ACCORDANCE WITH FIRE DEPARTMENT REQUIREMENTS.
- CONTRACTOR TO COORDINATE WITH OWNER METHODS FOR NOTIFYING PATRONS OF ACCESSIBLE ENTRANCES TO BUILDING DURING CONSTRUCTION.
- A TACTILE SIGN STATING "EXIT" AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN EGRESS STAIRWAY AND EXIT PASSAGEWAY AND EXIT DISCHARGE.
- EVERY ROOM THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANCY LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER. SIGN MOUNTING HEIGHTS ESTABLISHED IN ANS1 A117.1 AND 2018 IBC.
- SIGNAGE MOUNTING HEIGHT AND LOCATIONS SHALL BE AS REQUIRED BY 2018 I.B.C. AND ANS1 A117.1.
- RESTROOM SIGNAGE PER IBC AND ANS1 A117.1.703 SHALL BE MOUNTED AT HEIGHT AND LOCATIONS AS REQUIRED BY 2018 I.B.C. AND ANS1 A117.1.
- AREA OF REFUGE SIGNAGE PER IBC 1008.9 SHALL BE MOUNTED AT HEIGHT AND LOCATIONS AS REQUIRED BY 2018 I.B.C. AND ANS1 A117.1.
- ADDITIONAL SIGNAGE SHALL BE INSTALLED AS REQUIRED BY 2018 I.B.C. CHAPTER 1013.
- CONTRACTOR SHALL MARK ALL FIRE-RESISTIVE WALLS TO INDICATE THE WALL TYPE AND REQUIRED FIRE RATING AS PER 2018 I.B.C. SECTION 703.7.
- LUMINOUS EGRESS PATH MARKINGS SHALL BE INSTALLED AT ALL STAIRS, HALLWAYS, LANDINGS, WALLS, ETC. AS REQUIRED BY 2018 I.B.C. SECTIONS 403.5.5 AND 1025.

### EXIT DOOR SCHEDULE

EXIT #	OCC. LD.	MAX OCC.
1	156	160
2	157	160
<b>Grand total</b>	<b>313</b>	<b>320</b>

### CODE PLAN GENERAL NOTES

THESE PLANS AND ALL CONSTRUCTION SHALL CONFORM TO AND SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND ALL FEDERAL, STATE, COUNTY, CITY AND LOCAL LAWS, CODES, REGULATIONS, ORDINANCES, PERMITS AND THE CONTRACT DOCUMENTS AS EACH MAY APPLY.

THE AMERICANS WITH DISABILITIES ACT (A.D.A.) IS SUBJECT TO VARIOUS AND POSSIBLY CONTRADICTORY INTERPRETATIONS. THESE CONTRACT DOCUMENTS REPRESENT THE ARCHITECT'S INTERPRETATION OF THE A.D.A. ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (A.D.A.G.) ONLY AS IT APPLIES TO THE SUBJECT PROJECT, BUT IS NOT IN ANY WAY A WARRANTY OR GUARANTEE THAT SAID CONTRACT DOCUMENTS COMPLY WITH ANY OR ALL POSSIBLE INTERPRETATIONS OF THE A.D.A.G. BY OTHERS.

IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (A.D.A.G.) WHERE NON-SPECIFIED PRODUCTS AND/OR MATERIALS ARE SUBSTITUTED BY THE CONTRACTOR(S). THE CONTRACTOR(S) SHALL ENSURE THAT SUCH SUBSTITUTES MEET OR EXCEED THE REQUIREMENTS OF THE A.D.A.G.

LOCATIONS OF WALL MOUNTED FIRE EXTINGUISHER(S) SHALL COMPLY WITH THE INTERNATIONAL FIRE CODE AND BE CONFIRMED BY THE GOVERNING JURISDICTION AND THE ARCHITECT PRIOR TO INSTALLATION. ALL REQUIRED FIRE EXTINGUISHERS SHALL BE PROVIDED BY AND INSTALLED BY THE CONTRACTOR IN COMPLIANCE WITH THE GOVERNING JURISDICTIONS REQUIREMENTS. IF A FIRE EXTINGUISHER IS TO BE LOCATED WITHIN A ROOM CONCEALED FROM SIGHT THE CONTRACTOR SHALL PROVIDE AND INSTALL A DOOR MOUNTED SIGN INDICATING THAT THE FIRE EXTINGUISHER IS LOCATED INSIDE ROOM.

WHERE FIRE EXTINGUISHER CABINETS OR OTHER EQUIPMENT IS RECESSED IN A FIRE-RATED ASSEMBLY, MODIFY CONSTRUCTION TO PROVIDE A CONTINUOUS ENCLOSURE FOR UNINTERRUPTED FIRE RATING.

CONTRACTOR SHALL PROVIDE PEDESTRIAN PROTECTION IN ACCORDANCE WITH IBC 3306 AND SPECIFIED REQUIREMENTS.

EXISTING BUILDING WILL REMAIN PARTIALLY OCCUPIED BY THE OWNER DURING CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ALL REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES, AND SANITARY SAFEGUARDS IN ACCORDANCE WITH IBC 3302.

FIRE ALARM SYSTEM REQUIRED - THE BUILDING SHALL BE FULLY PROTECTED WITH AUTOMATIC FIRE ALARM SYSTEM(S), INSTALLATION, APPROVAL, AND MAINTENANCE SHALL BE IN COMPLIANCE WITH APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION AND/OR IBC STANDARDS. THE EDITION(S) OF WHICH SHALL BE DETERMINED BY THE JURISDICTION. PLANS FOR FIRE ALARM SYSTEMS MUST BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION. FINAL INSPECTIONS MUST BE COMPLETED PRIOR TO OCCUPANCY.

GOVERNING AUTHORITY - LIFE SAFETY AND FIRE PROTECTION SYSTEMS SHALL BE IN FULL COMPLIANCE WITH THE PUBLISHED REQUIREMENTS OF GOVERNING AUTHORITY.

CONTRACTOR SHALL OBTAIN ALL FIRE DEPARTMENT PERMITS, INSPECTIONS AND APPROVALS AS MAY BE REQUIRED.

FIRE DEPARTMENT ACCESS - THE CONTRACTOR SHALL MAINTAIN FIRE DEPARTMENT ACCESS TO THE SITE AND PROJECT THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH FIRE MARSHAL REQUIREMENTS. RE: CIVIL DRAWINGS FOR FIRE LANES.

### CODE PLAN LEGEND

SQUARE FOOTAGE OF INDICATED AREA

XXXXX  
XX | XXX

TOTAL OCCUPANT LOAD OF ROOM  
OCCUPANT LOAD FACTOR (2009 IBC, TABLE 1004.1)

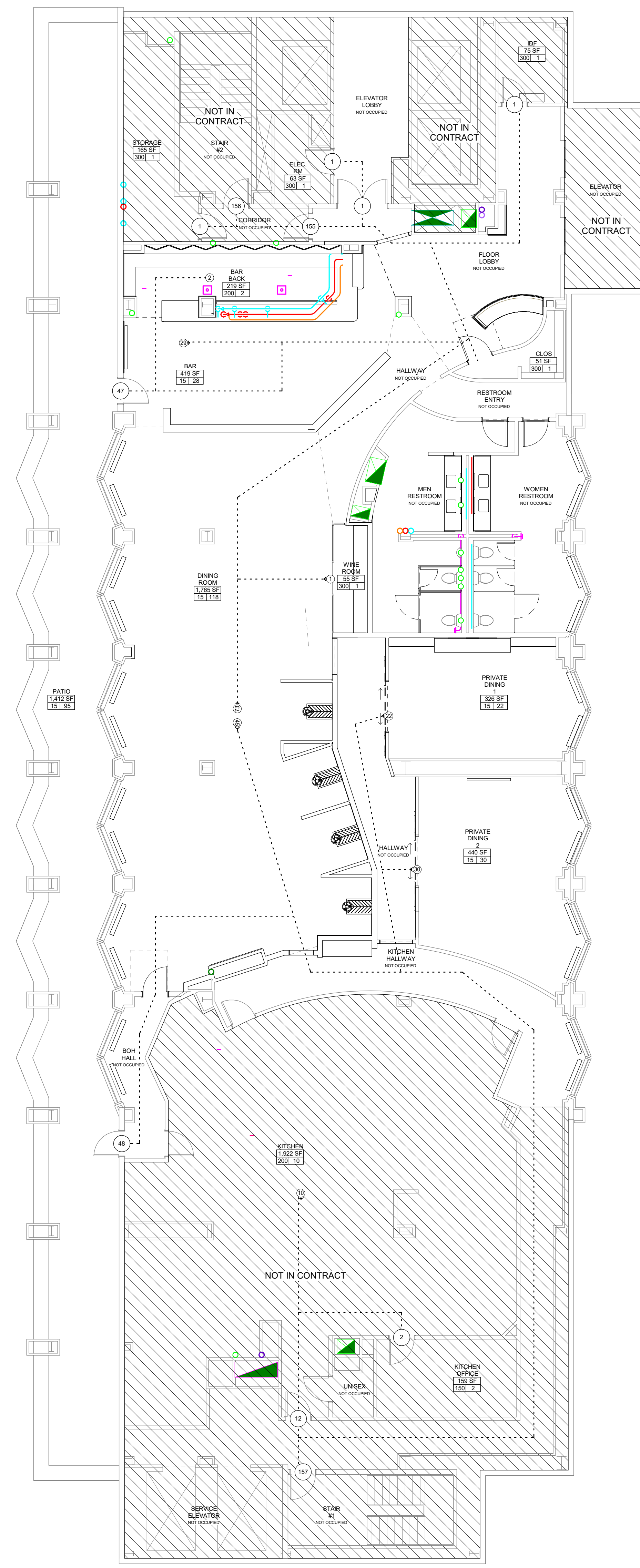
ROOM OCCUPANT LOAD (OR PORTION THEREOF)

1 HOUR RATED WALL

2 HOUR RATED WALL

3 HOUR RATED WALL

SEE WALL TYPE SHEET AND FLOOR PLANS FOR RATED WALLS AND ADDITIONAL WALL CONSTRUCTION INFORMATION



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CLIENT/PROJECT:

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REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**LEVEL 01 CODE/ EGRESS PLAN**

50% DESIGN DEVELOPMENT

KEY PLAN

DRAWING SCALE: WGA PROJECT NUMBER:  
 As indicated 23-209

PROGRESS DATE:  
 22 DECEMBER 2023

SHEET NUMBER:  
**A-031**

**1 OVERALL CODE PLAN**  
 A-800/A-031 SCALE: 1/8" = 1'-0"





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CATOOSA, OK 74015

**REVISIONS**

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**OVERALL + ENLARGED  
FLOOR DEMO PLAN**

**50% DESIGN  
DEVELOPMENT**

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KEY PLAN

DRAWING SCALE: WGA PROJECT NUMBER:

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PROGRESS DATE:

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SHEET NUMBER:

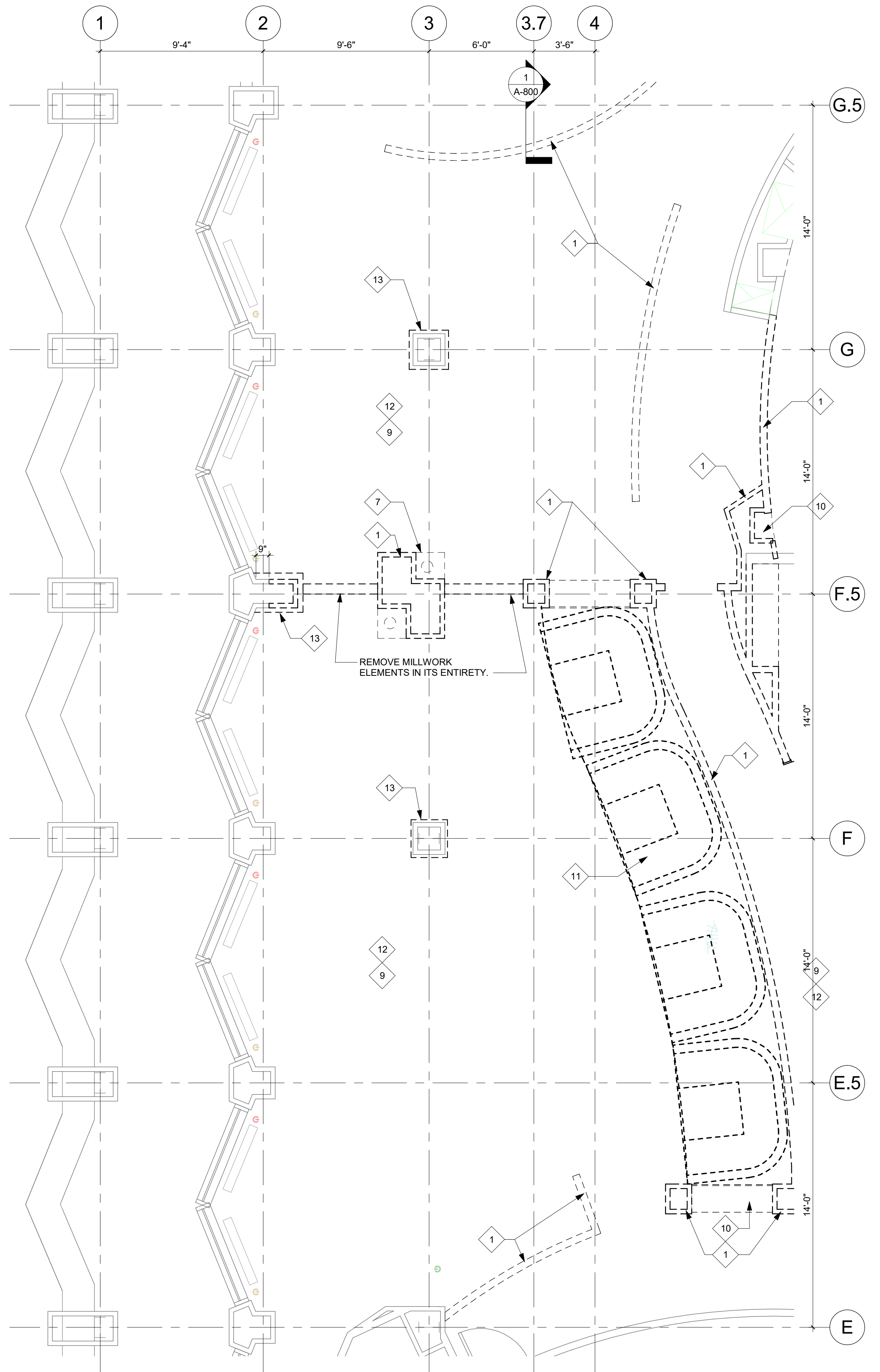
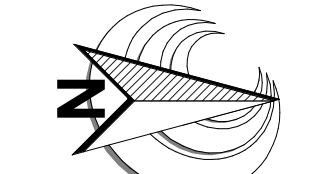
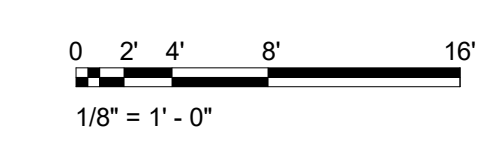
**AD210**

**DEMOLITION GENERAL NOTES**

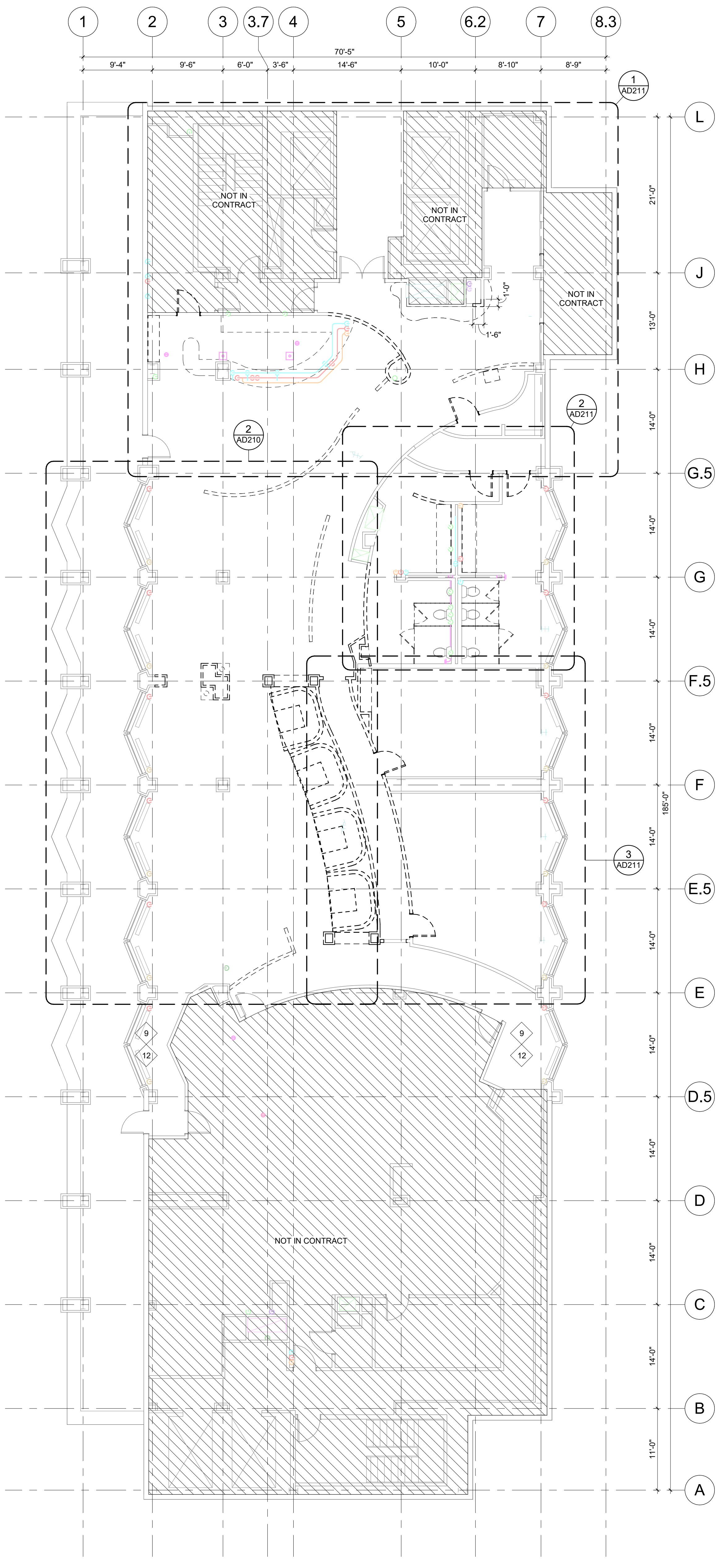
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- C. THE CONTRACTOR(S) SHALL MINIMIZE INTERFERENCE OF CONSTRUCTION WORK WITH THE ONGOING BUSINESS IN THE EXISTING BUILDING. THE CONSTRUCTION AREA SHALL BE CLOSED OFF TO KEEP OTHER AREAS FREE OF DUST AND DEBRIS.
- D. COORDINATE WITH OWNER FOR OPERATIONAL PROCEDURES DURING DEMOLITION AND CONSTRUCTION TO MAINTAIN DAILY OPERATIONS AND AS NEEDED FOR SPECIAL EVENTS DURING THIS TIME.
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- F. PATCH ALL DISTURBED AREAS AND FINISHES WHERE EXISTING FLOORS, WALLS, CEILINGS OR SIMILAR SURFACES ARE REMOVED OR DAMAGED. MATCH EXISTING ADJACENT MATERIALS AND FINISHES WHERE NEW FINISHES ARE NOT SPECIFIED. (REFER TO MECHANICAL DRAWINGS FOR PLUMBING AND H.V.A.C.), WHERE APPLICABLE, PREPARE ALL EXISTING SURFACES FOR NEW WORK.
- G. IF ASBESTOS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, NOTIFY ARCHITECT AND OWNER IMMEDIATELY UPON DISCOVERY AND AWAIT FURTHER INSTRUCTIONS.
- H. THE CONTRACTOR(S) TO VERIFY STUD DEPTH REQUIRED WHERE NEW WALL ALIGNS WITH EXISTING WALL. CONTRACTOR(S) TO VERIFY REQUIRED STUD AND FRAME DEPTHS AT RELOCATED OR NEW DOORS OR GLAZING IN EXISTING WALLS.
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- P. ALL EXISTING FLOOR RETURN GRILLES SHALL BE CLEANED, POWDERCOATED (FINISH TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF INDUSTRY COLORS AND DENSITIES) AND RE-INSTALLED. COVER ALL OPENINGS IN CONSTRUCTION AREAS TO PREVENT DEBRIS FROM ENTERING SYSTEM.

**DEMOLITION LEGEND**

- 1 REMOVE (E) WALL IN ITS ENTIRETY. REFER TO FLOOR PLAN FOR DIMENSIONS AS REQUIRED.
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**2 ENLARGED DEMO PLAN - DINING ROOM**  
A-800/AD210 SCALE: 1/4" = 1'-0"



**1 OVERALL DEMO PLAN**  
A-800/AD210 SCALE: 1/8" = 1'-0"





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CONSTRUCTION**

CONSULTANT:

CLIENT/PROJECT:

**MCGILLS  
STEAKHOUSE  
RENOVATION**  
CHEROKEE NATION

CATOOSA, OK 74015

REVISIONS

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**ENLARGED FLOOR  
DEMO PLANS**

**50% DESIGN  
DEVELOPMENT**

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KEY PLAN

DRAWING SCALE: WGA PROJECT NUMBER:

As indicated 23-209

PROGRESS DATE:

22 DECEMBER 2023

SHEET NUMBER:

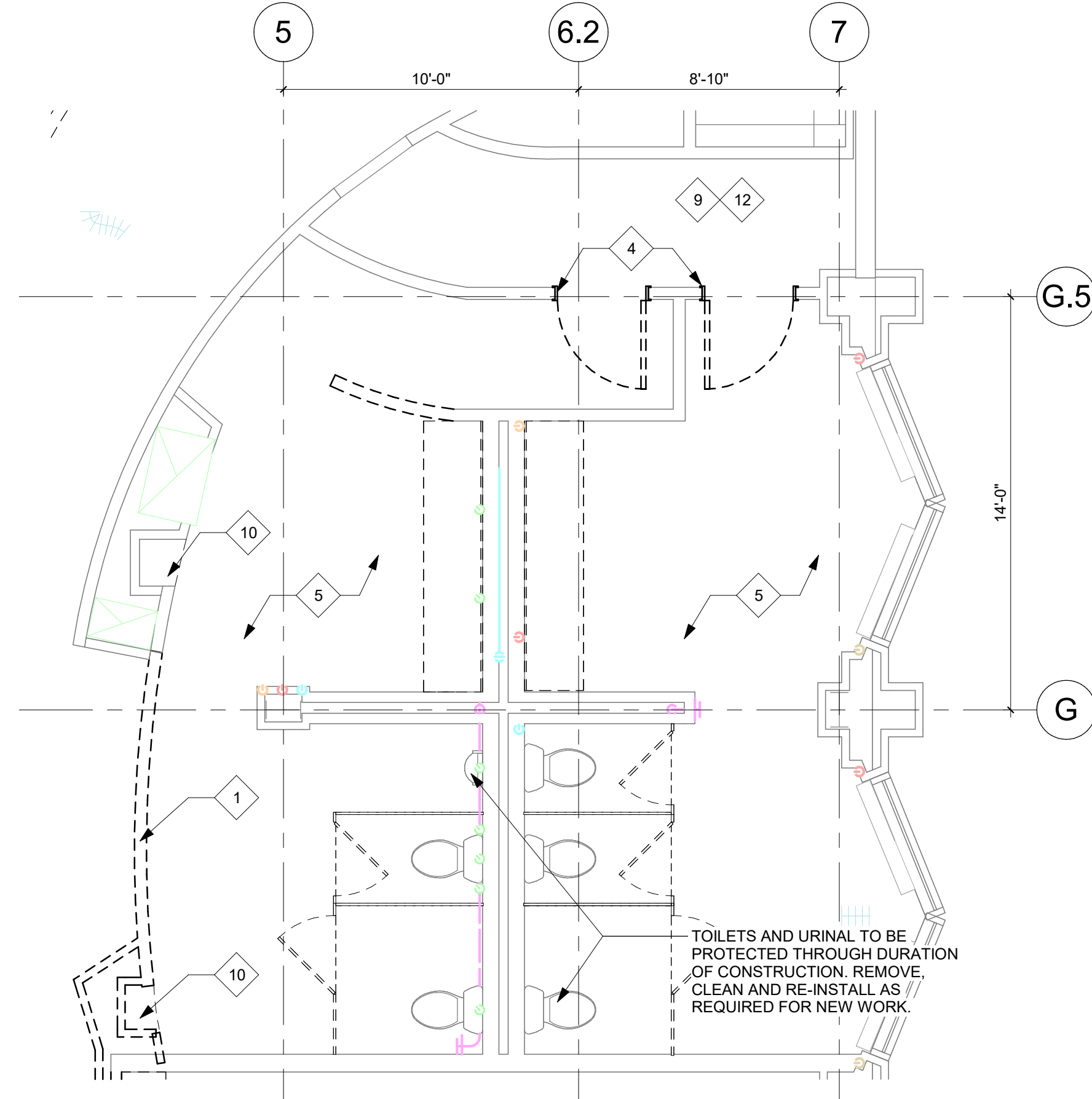
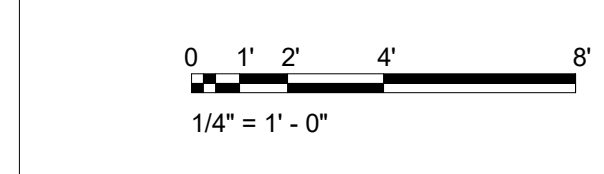
**AD211**

**DEMOLITION GENERAL NOTES**

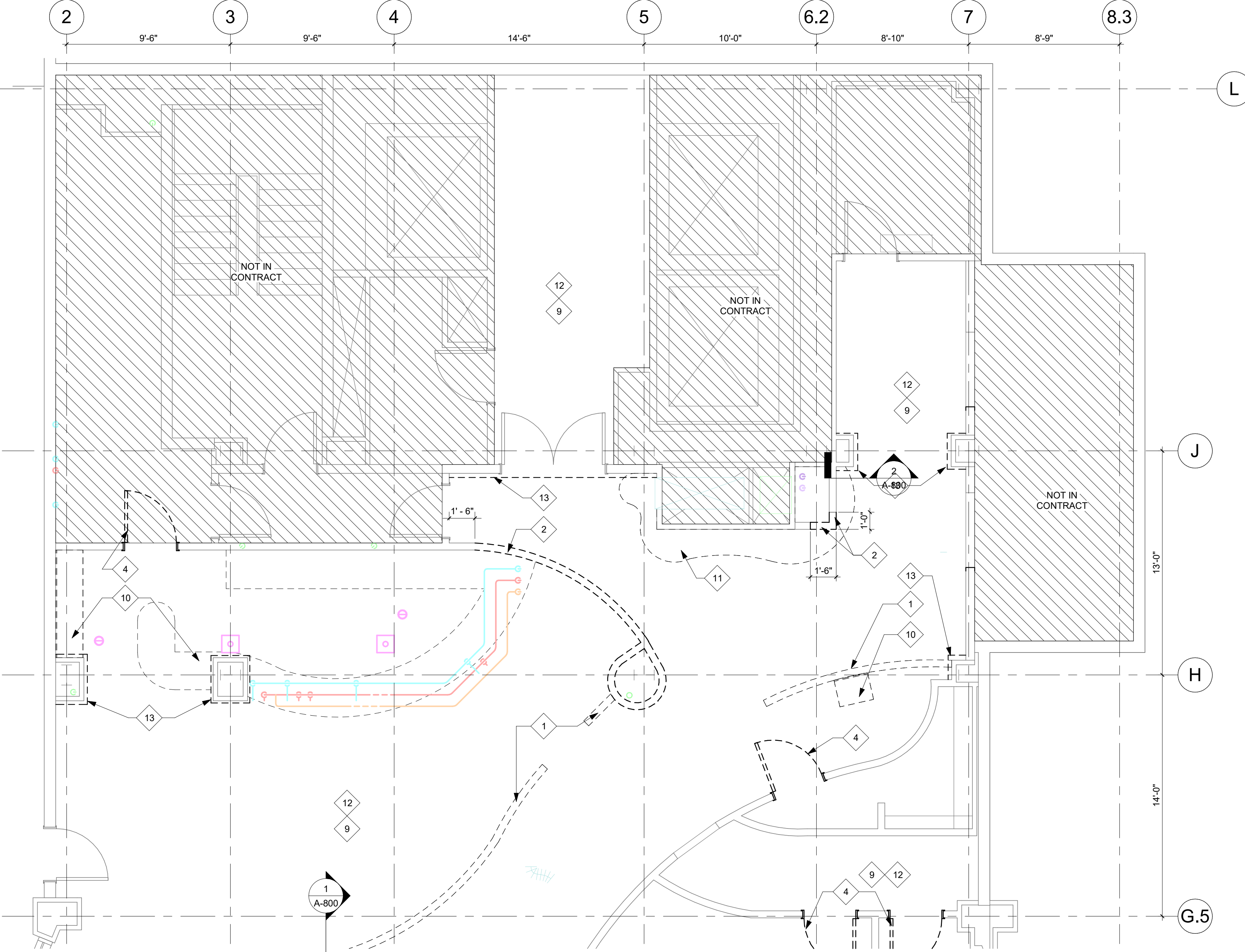
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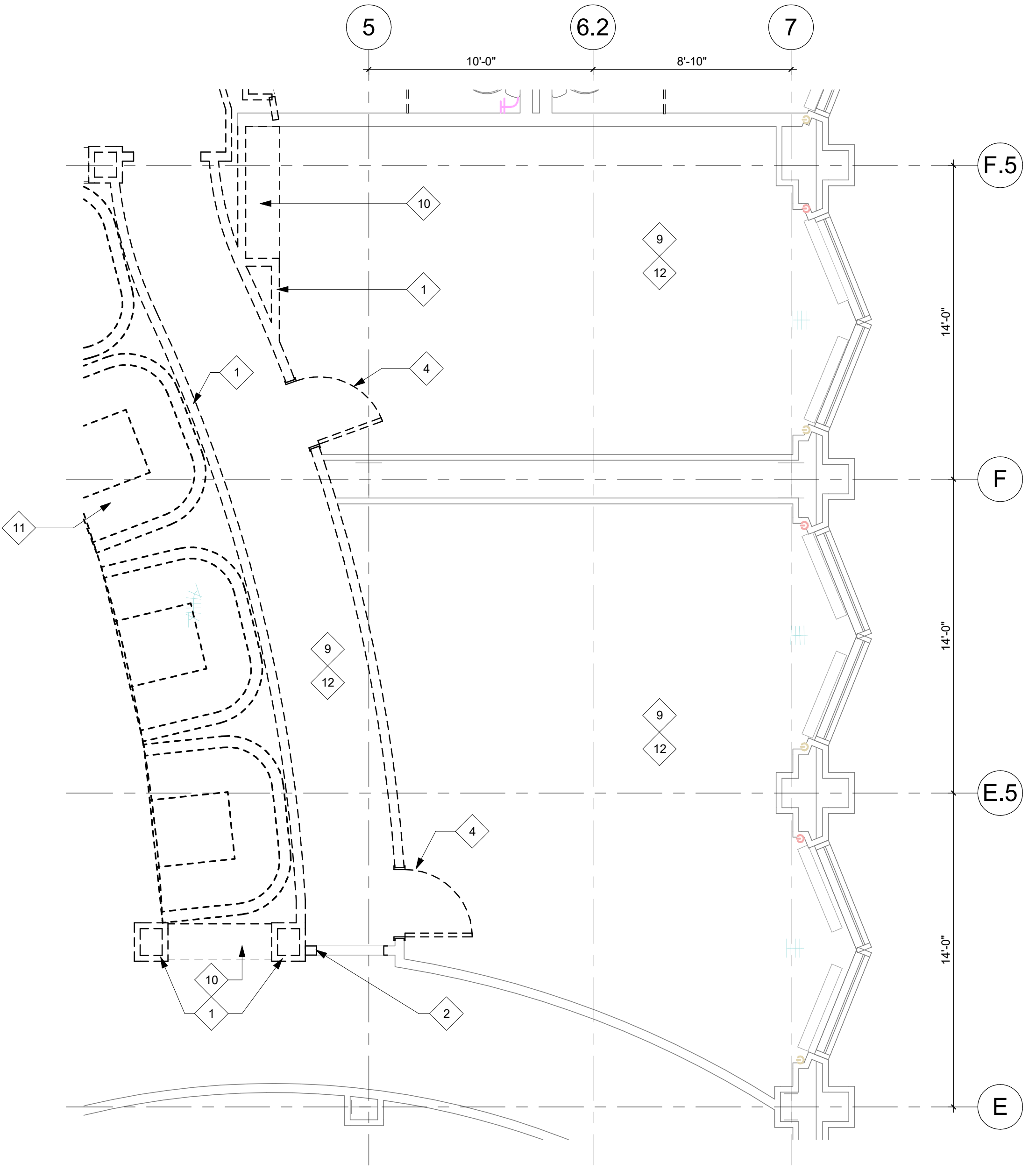
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**2 ENLARGED DEMO PLAN - RESTROOM**  
A-800 AD211 SCALE: 1/4" = 1'-0"



**1 ENLARGED DEMO PLAN - ENTRY + BAR**  
A-800 AD211 SCALE: 1/4" = 1'-0"



**3 ENLARGED DEMO PLAN - PRIVATE DINING**  
A-800 AD211 SCALE: 1/4" = 1'-0"





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**NOT FOR CONSTRUCTION**

CONSULTANT:

CLIENT/PROJECT:

**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS

NO. DATE DESCRIPTION

SHEET DESCRIPTION  
**OVERALL + ENLARGED DEMO RCP**

**50% DESIGN DEVELOPMENT**

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KEY PLAN

DRAWING SCALE: WGA PROJECT NUMBER:  
As indicated 23-209

PROGRESS DATE:  
22 DECEMBER 2023

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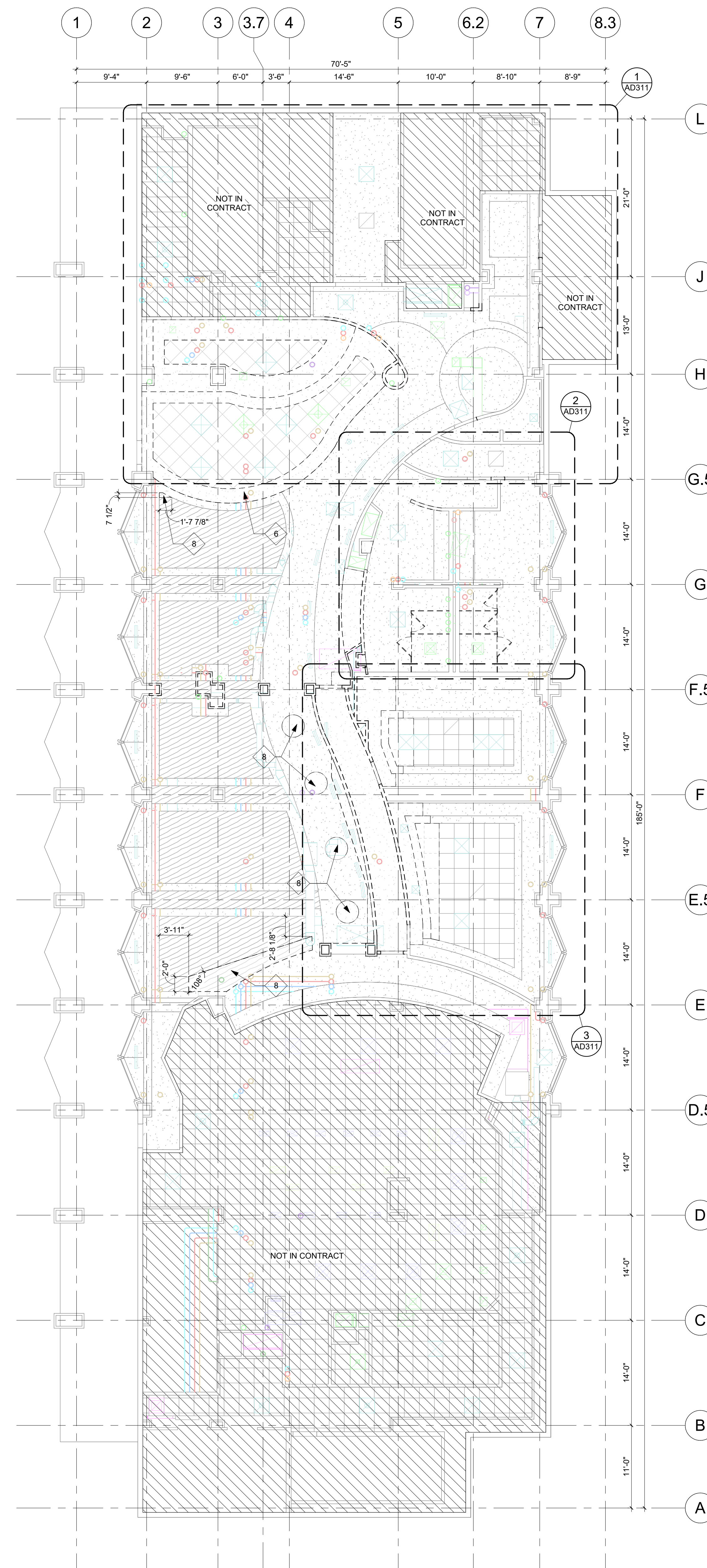
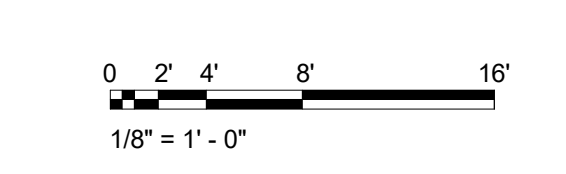
**AD310**

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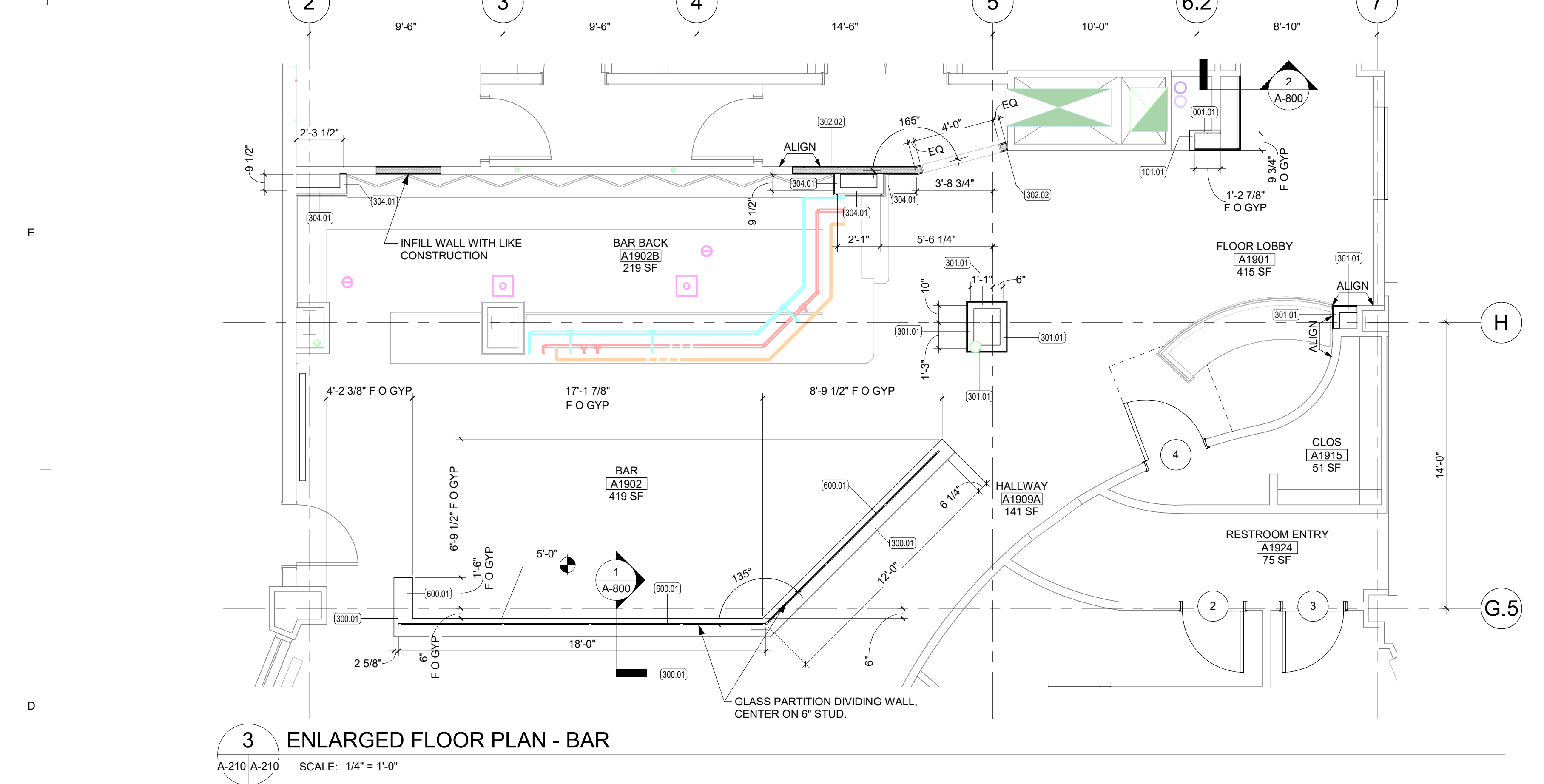


**1 OVERALL FIRST FLOOR DEMO RCP**  
A-800/AD310 SCALE: 1/8" = 1'-0"

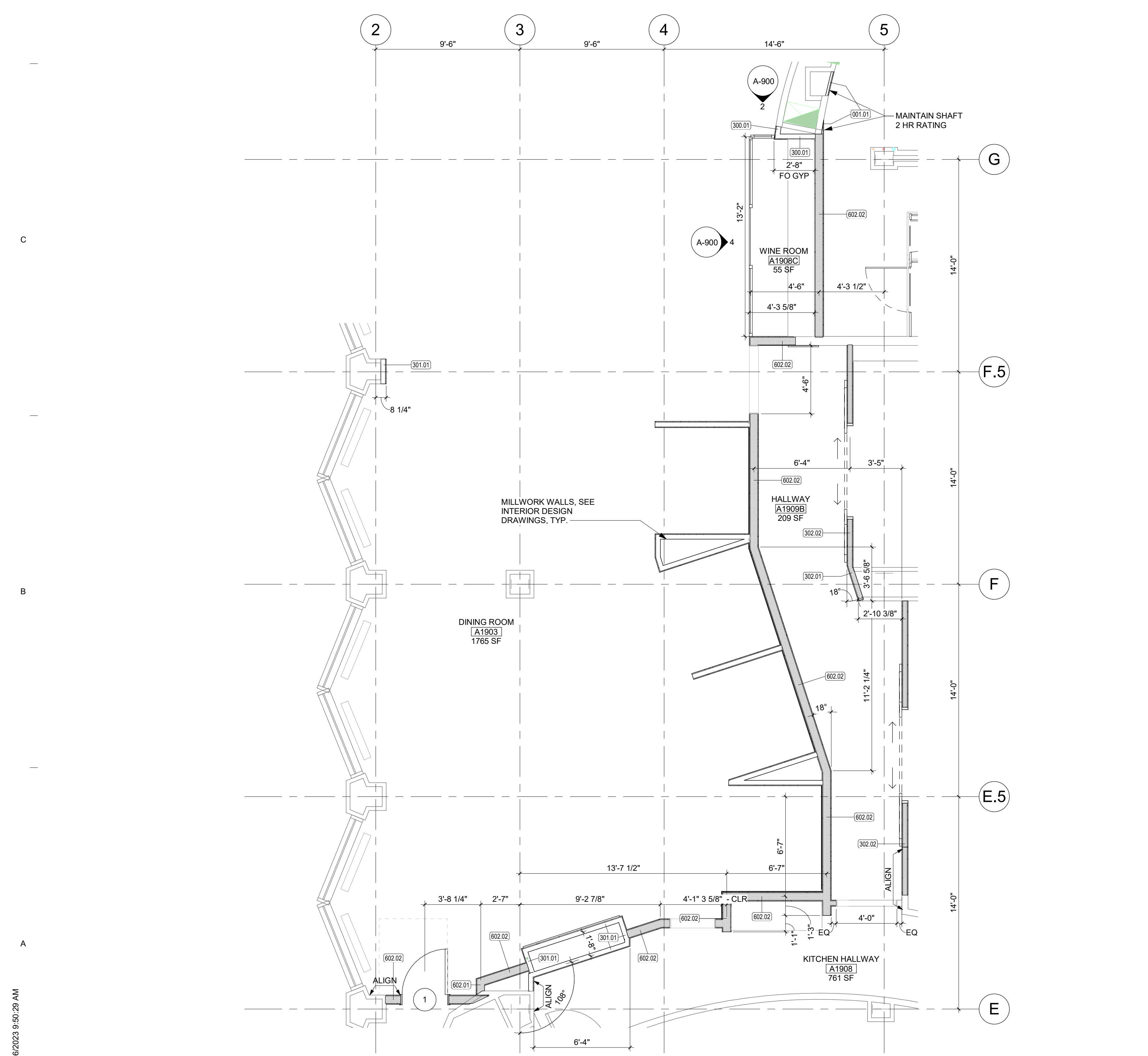




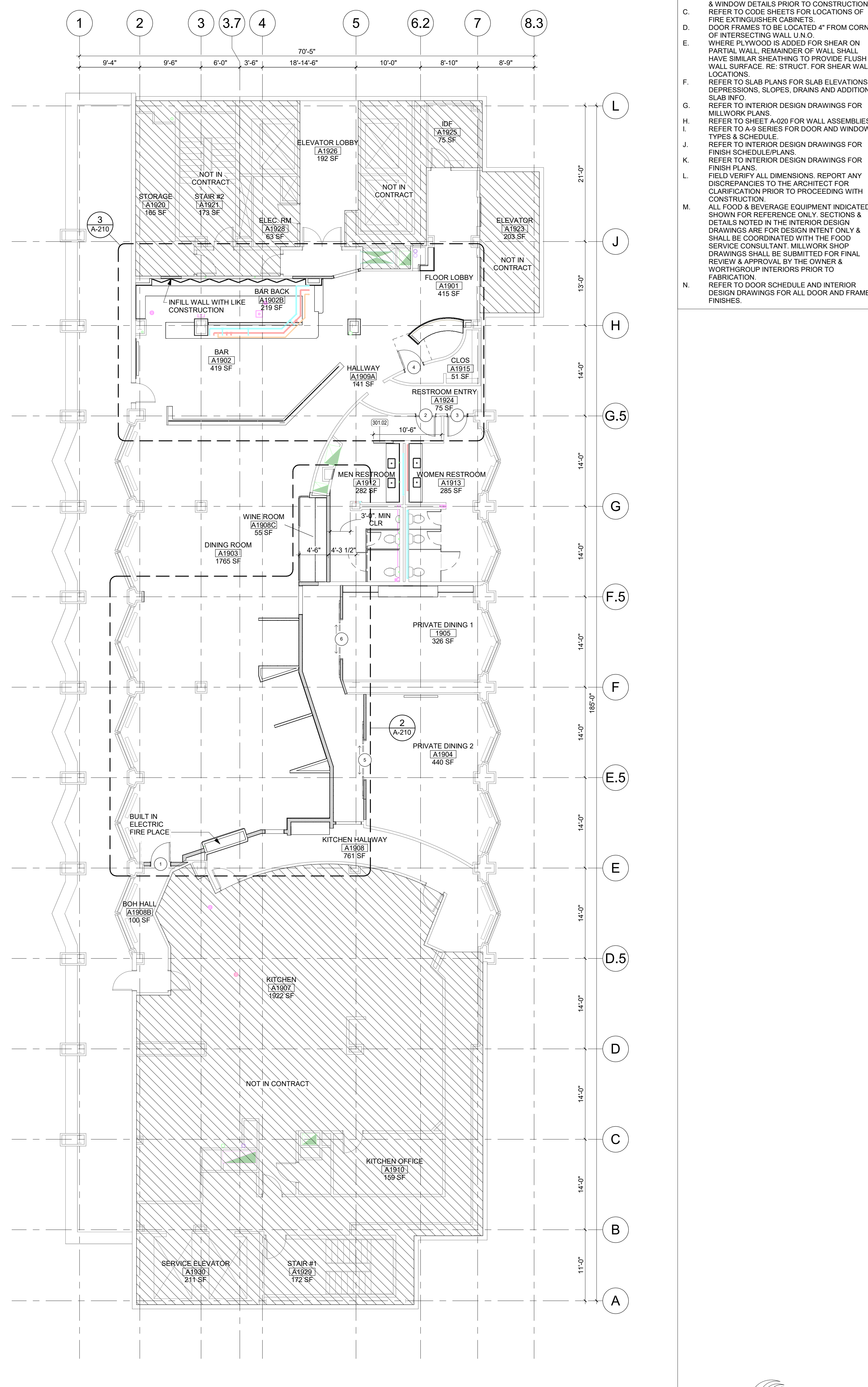




**3 ENLARGED FLOOR PLAN - BAR**  
A-210/A-210 SCALE: 1/4" = 1'-0"



**2 ENLARGED FLOOR PLAN - DINING ROOM**  
A-210/A-210 SCALE: 1/4" = 1'-0"



**1 OVERALL FLOOR PLAN**  
A-800/A-210 SCALE: 1/8" = 1'-0"

- PLAN GENERAL NOTES**
- WHERE DIMENSIONS, WALL TYPES, ETC. ARE NOT SHOWN, REFER TO ENLARGED PLANS.
  - ALL WINDOW/DOOR DIMENSIONS ARE TO CENTER OF WINDOW/DOOR U.N.O. COORDINATE ROUGH OPENING DIMENSIONS WITH ASSOCIATED DOOR & WINDOW DETAILS PRIOR TO CONSTRUCTION. REFER TO CODE SHEETS FOR LOCATIONS OF FIRE EXTINGUISHER CABINETS.
  - DOOR FRAMES TO BE LOCATED 4" FROM CORNER OF INTERSECTING WALL U.N.O.
  - WHERE PLYWOOD IS ADDED FOR SHEAR ON PARTIAL WALL, REMAINDER OF WALL SHALL HAVE SIMILAR SHEATHING TO PROVIDE FLUSH WALL SURFACE. RE: STRUCT. FOR SHEAR WALL LOCATIONS.
  - REFER TO SLAB PLANS FOR SLAB ELEVATIONS, DEPRESSIONS, SLOPES, DRAINS AND ADDITIONAL SLAB INFO.
  - REFER TO INTERIOR DESIGN DRAWINGS FOR MILLWORK PLANS.
  - REFER TO SHEET A-020 FOR WALL ASSEMBLIES TYPES & SCHEDULE.
  - REFER TO INTERIOR DESIGN DRAWINGS FOR FINISH SCHEDULE/PLANS.
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  - FIELD VERIFY ALL DIMENSIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION.
  - ALL FOOD & BEVERAGE EQUIPMENT INDICATED IS SHOWN FOR REFERENCE ONLY. SECTIONS & DETAILS NOTED IN THE INTERIOR DESIGN DRAWINGS ARE FOR DESIGN INTENT ONLY & SHALL BE COORDINATED WITH THE FOOD SERVICE CONSULTANT. MILLWORK SHOP DRAWINGS SHALL BE SUBMITTED FOR FINAL REVIEW & APPROVAL BY THE OWNER & WORTHGROUP INTERIORS PRIOR TO FABRICATION.
  - REFER TO DOOR SCHEDULE AND INTERIOR DESIGN DRAWINGS FOR ALL DOOR AND FRAME FINISHES.

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CONSULTANT:

CLIENT/PROJECT:

**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION

**OVERALL FLOOR PLAN**

50% DESIGN DEVELOPMENT

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KEY PLAN	DRAWING SCALE: As indicated	WGA PROJECT NUMBER: 23-209
PROGRESS DATE: 22 DECEMBER 2023	SHEET NUMBER: A-210	





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NO.	DATE	DESCRIPTION
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SHEET DESCRIPTION  
**OVERALL REFLECTED CEILING PLAN**

**50% DESIGN DEVELOPMENT**

As indicated 23-209

PROGRESS DATE: 22 DECEMBER 2023

SHEET NUMBER: **A-310**

**RCP GENERAL NOTES**

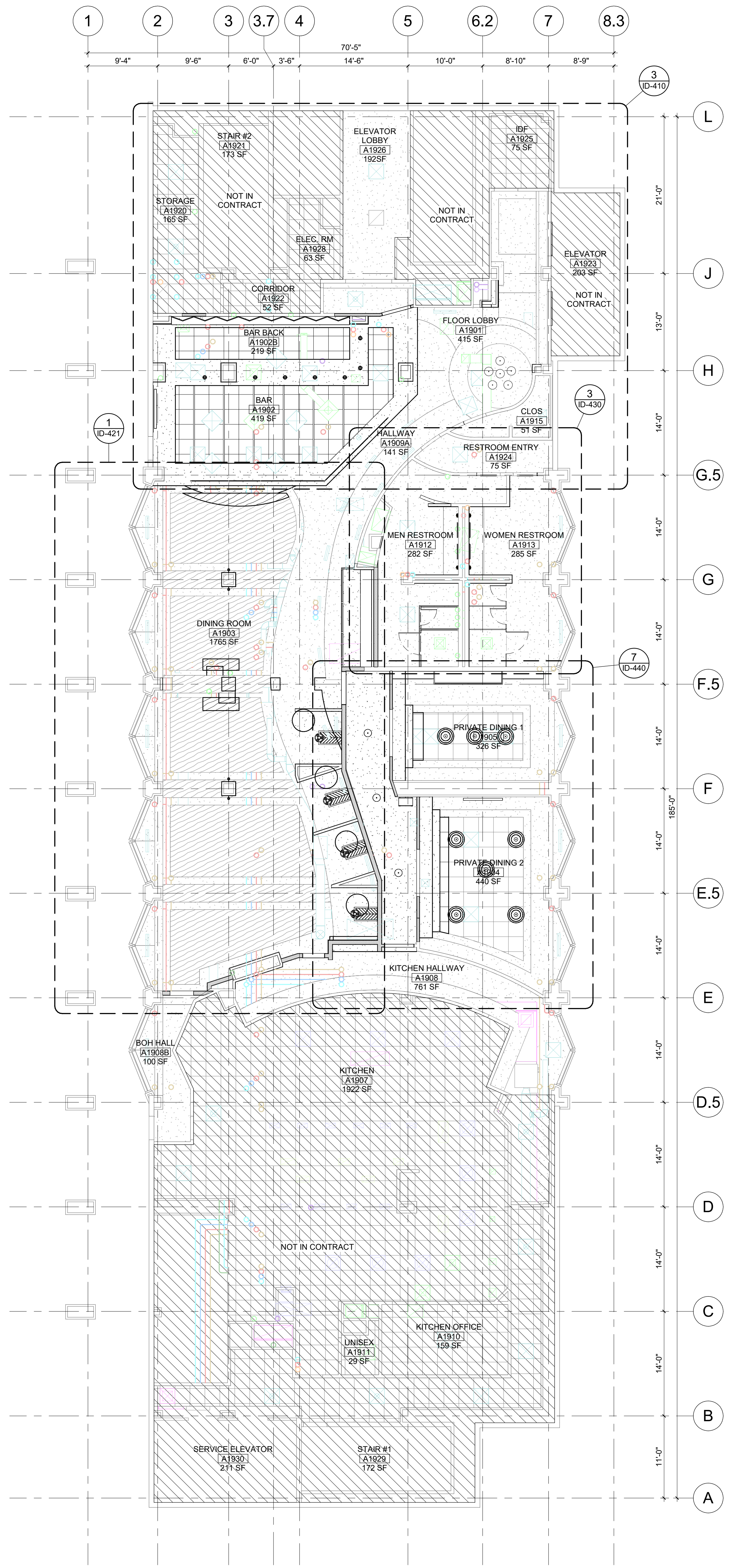
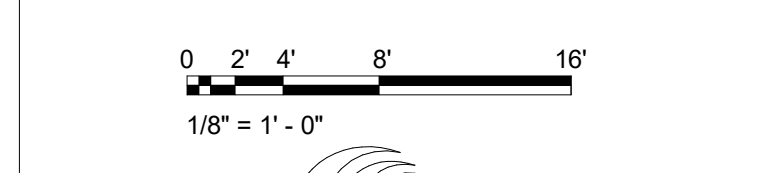
- A. LIGHT FIXTURES, DIFFUSERS, GRILLES TO BE CENTERED BETWEEN WALLS/BEAMS, SOFFITS, ETC. U.N.O. HVAC GRILLES, SPEAKERS AND CEILING DEVICES TO ALIGN WITH ADJACENT LIGHT FIXTURES U.N.O. ADJUST NON-STRUCTURAL CEILING FRAMING TO ACCOMMODATE LOCATIONS SHOWN. VERIFY EXACT LOCATIONS WITH ARCHITECT WITH ARCHITECT IF NOT DEFINED ON PLANS. SHOULD CONFLICT OCCUR WITH STRUCTURAL FRAMING, CONTRACTOR SHALL COORDINATE WITH ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
- B. REFER TO ELEC. DWGS. FOR ATTIC LIGHTING REQUIREMENT. DO NOT INSTALL ELECTRICAL CONDUIT OR WIRING EXPOSED TO VIEW.
- C. AN ATTIC ACCESS DOOR OPENING SHALL BE PROVIDED TO ALL ATTICS OF BUILDINGS WITH A MINIMUM HEIGHT CLEARANCE OF 30". MINIMUM ACCESS OPENING SHALL NOT BE LESS THAN 22"x30" - COORDINATE INSTALLATION ALIGNMENT OF ATTIC ACCESS DOORS WITH TRUSS LAYOUT PRIOR TO INSTALLATION.
- D. ALL ESCUTCHEONS TO BE PAINTED TO MATCH ADJACENT SURFACE, U.N.O.
- E. ALL DECORATIVE LIGHT FIXTURES SELECTED BY INTERIORS AND INSTALLED BY GC. CONTRACTOR TO PROVIDE & INSTALL LAMPS FOR ALL TYPE LIGHT FIXTURES, RE: RCP FOR LOCATIONS.
- F. INSTALL APPROPRIATE BLOCKING/SUPPORT FOR LIGHTING & MEP EQUIPMENT/DEVICE INSTALLATION.
- G. ALL INTERIOR DECORATIVE WOOD MEMBERS TO BE STAINED AS SPECIFIED BY INTERIOR DESIGNER.
- H. SUSPENDED ACOUSTICAL CEILING TILE TO BE HUNG, MOUNTED, AND BRACED PER LOCAL CODE AND MFR. REQUIREMENTS.
- I. COORDINATE MECHANICAL DUCTWORK ROUTING WITH CEILING ATTIC ACCESS PANEL LOCATIONS AND ROOF FRAMING PRIOR TO TRUSS INSTALLATION.
- J. WHERE CEILING OR SOFFITS ARE NOT FASTENED DIRECTLY TO STRUCTURE, PROVIDE SUPPLEMENTAL FRAMING DOWN FROM STRUCTURE AS REQUIRED FOR SUPPORT OF FINISH, FIXTURES, ETC.
- K. FRAMING AND SUPPORTS FOR SOFFITS, COFFERS, AND CEILINGS SHALL BE IN ACCORDANCE WITH APPLICABLE BUILDING CODE REQUIREMENTS FOR LATERAL AND SEISMIC BRACING.
- L. REFER TO INTERIOR FINISH SCHEDULE FOR CEILING FINISHES. CROSS REFERENCE ARCHITECTURAL PLANS WITH FINISH SCHEDULE. NOTIFY ARCHITECT PRIOR TO COMMENCING WORK SHOULD ANY DISCREPANCIES EXIST.
- M. FOR EMERGENCY LIGHT FIXTURE AND EXIT SIGN LOCATIONS, REFER TO CODE PLANS AND ELECTRICAL DRAWINGS.
- N. OCCUPIABLE SPACES, HABITABLE SPACES, AND CORRIDOR CEILING HEIGHTS SHALL BE MIN. 7'-6" OFF. KITCHENS, BATHROOMS, TOILET ROOMS, STORAGE AND LAUNDRY ROOM CEILING HEIGHTS SHALL BE MIN. 7'-0" AFF. ALL STAIRS, DOORS, AND HEADERS SHALL HAVE MIN. 6'-8" AFF HEAD CLEARANCE.
- O. EXTEND GYP BD ON WALLS 4" MIN ABOVE SUSPENDED ACT CEILINGS. EXTEND GYP BD FULL HEIGHT ON WALL FRAMING PARTITIONS REQUIRING ACOUSTICAL INSULATION.
- P. RE: INTERIORS DRAWINGS FOR CROWN MOULDING LOCATIONS AND PROFILES.
- Q. SPRINKLER HEAD LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE ARCHITECT THROUGH SUBMITTALS. HEADS SHALL TYPICALLY BE LOCATED AT THE CENTER OF CEILING TILES AND ALIGNED WITH DOWNLIGHTS AND MECHANICAL GRILLES IN GYP. BD. OR WOOD CEILINGS. WHERE HEADS ARE DESIGNATED IN WOOD BEAMS, SPRINKLER SUB SHALL DRILL BEAMS FOR DROPS.
- R. SPRINKLER HEADS SHALL BE FULLY CONCEALED IN PUBLIC AREAS, ALL GYP. BD. AND WOOD CEILINGS. PROVIDE SEMI-RECESSED HEADS IN STAFF AREAS AND SUSPENDED ACT CEILINGS. ESCUTCHEONS FOR CONCEALED SPRINKLERS SHALL BE FACTORY FINISHED TO MATCH CEILING, OR IN COLORS SELECTED BY THE ARCHITECT.
- S.

**RCP LEGEND**

- 2x2 FLUORESCENT LIGHT FIXTURE
- 2x4 FLUORESCENT LIGHT FIXTURE
- 1x2 FLUORESCENT LIGHT FIXTURE
- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- LINEAR DIFFUSER
- UNDER COUNTER LIGHT FIXTURE
- DIRECT/INDIRECT FLUORESCENT PENDANT FIXTURE (CLASSROOMS/OFFICES)
- FLUORESCENT STRIP (CEILING MOUNTED)
- FLUORESCENT STRIP (STAIR CORES)
- LINEAR FLUORESCENT (EXPOSED CEILINGS)
- LINEAR WALLWASHER (RESTROOM COVES)
- DECORATIVE ENTRANT FIXTURE
- CEILING GRID
- EXIT SIGN (CEILING MOUNTED)
- EXIT SIGN (WALL MOUNTED)
- DOWNLIGHT
- WALL WASHER
- SPRINKLER HEAD
- FIXED CAMERA
- PAN TILT ZOOM CAMERA
- MOTION DETECTOR
- SMOKE DETECTOR
- SPEAKER
- FIRE ALARM/MASS NOTIFICATION SPEAKER

**Ceiling Schedule**

Type Mark	Description
A	2X2 SUSPENDED ACOUSTICAL CEILING TILE
D	SUSPENDED GYPBD CEILING SYSTEM



**1 OVERALL FIRST FLOOR RCP**  
SCALE: 1/8" = 1'-0"





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CATOOSA, OK 74015

REVISIONS

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
DETAILS

50% DESIGN  
DEVELOPMENT

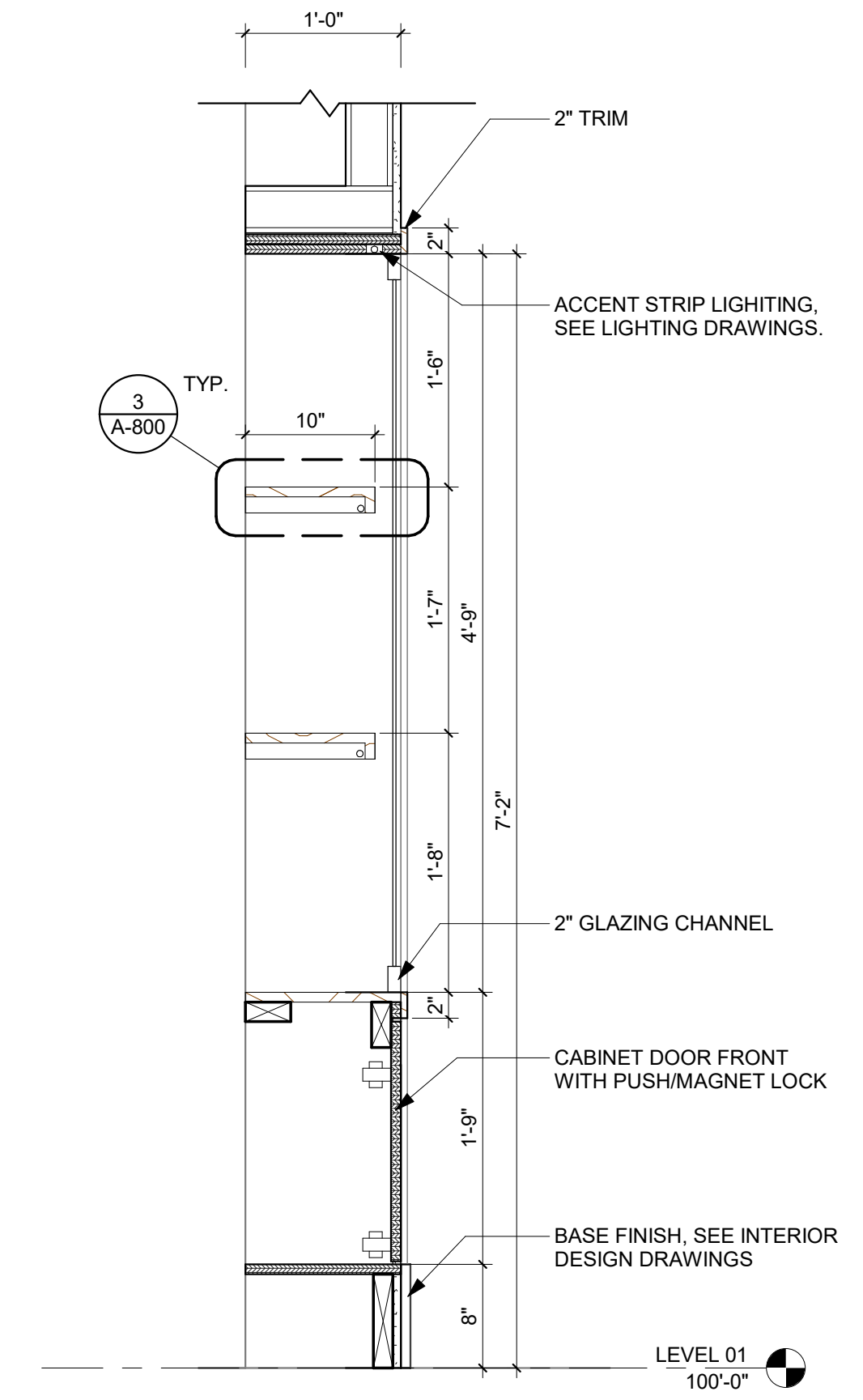
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As indicated 23-209

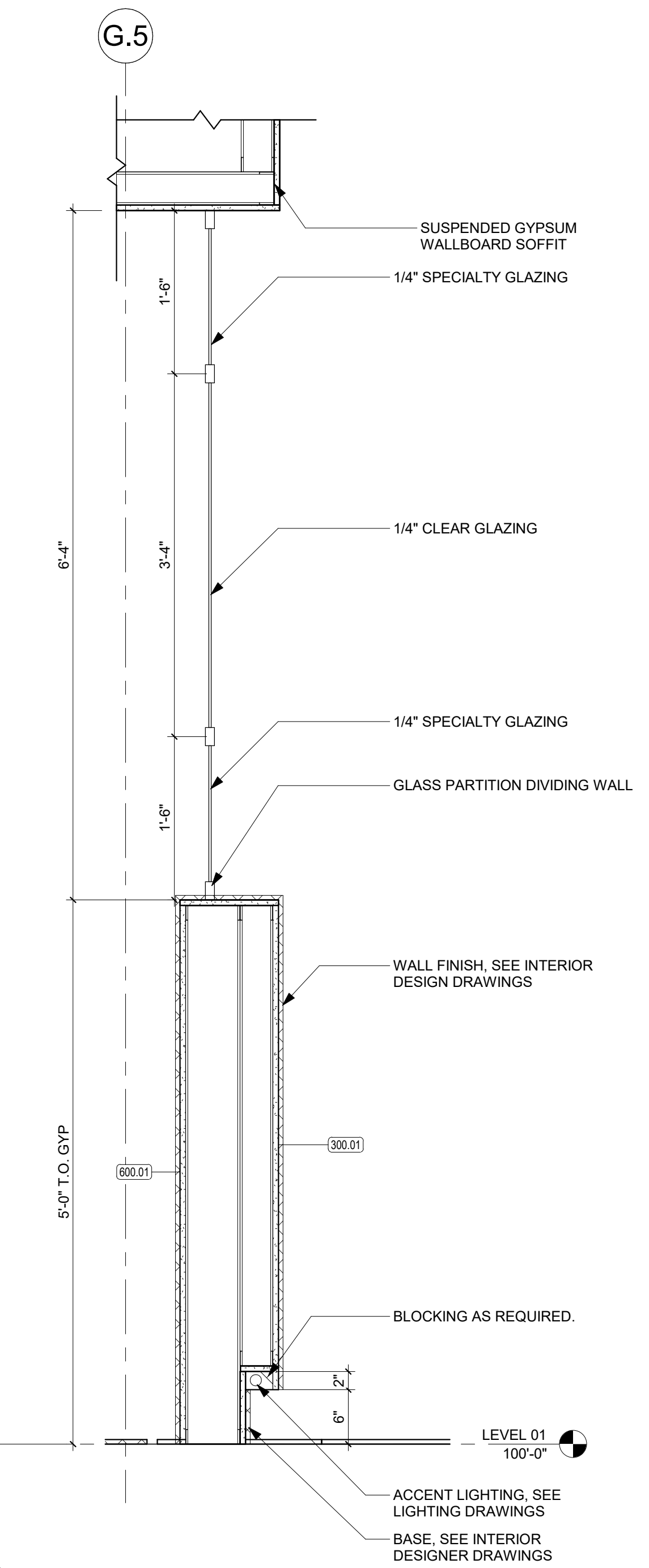
PROGRESS DATE:  
22 DECEMBER 2023

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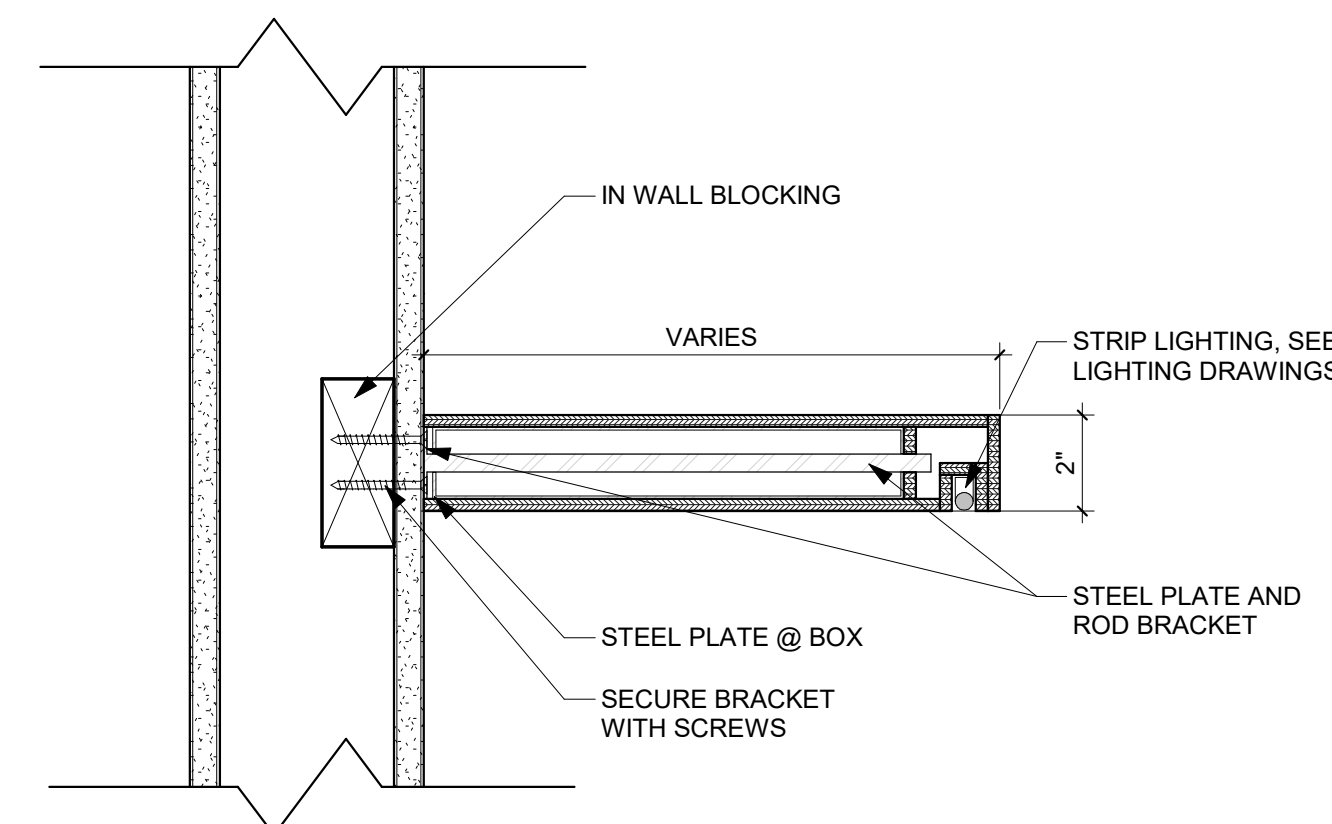
**A-800**



**2 SECTION - BOURBON DISPLAY**  
A-210/A-800 SCALE: 1" = 1'-0"



**1 SECTION - BAR WALL**  
A-210/A-800 SCALE: 1" = 1'-0"

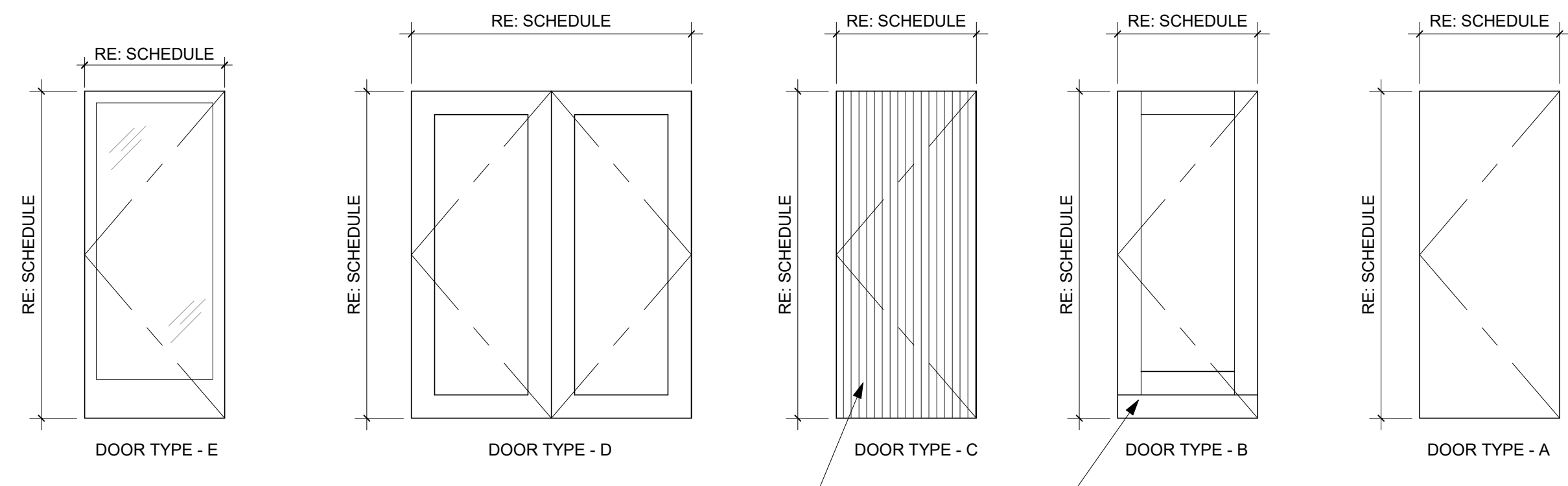


**3 MW DETAIL - BOX SHELF SECTION**  
A-800/A-800 SCALE: 3" = 1'-0"



DOOR SCHEDULE														
DOOR NO.	FIRE RATING	DOOR TYPE	DOOR MATERIAL	DOOR DATA			FRAME DATA			DETAIL			REMARKS	
				FINISH	WIDTH	HEIGHT	THK	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD	JAMB		SILL
1	-	A	SCW	ST	3'-0"	7'-0"	2"	1	HM	PT	6/A-900	7/A-900	-	RE-INSTALL EXISTING DOOR HARWARE WITH NEW PUSH PLATE. SEE ID DRAWINGS FOR PUSH PLATE SPEC.
2	-	B	SCW	ST	3'-0"	7'-0"	2"	1	WD	PT	1/A-900	3/A-900	-	RE-INSTALL EXISTING DOOR HARWARE WITH NEW PUSH PLATE. SEE ID DRAWINGS FOR PUSH PLATE SPEC.
3	-	B	SCW	ST	3'-0"	7'-0"	2"	1	WD	PT	1/A-900	3/A-900	-	RE-INSTALL EXISTING DOOR HARWARE WITH NEW PUSH PLATE. SEE ID DRAWINGS FOR PUSH PLATE SPEC.
4	-	C	SCW	ST	3'-0"	7'-0"	2"	1	WD	PT	1/A-900	3/A-900	-	RE-INSTALL EXISTING DOOR HARWARE WITH NEW PUSH PLATE. SEE ID DRAWINGS FOR PUSH PLATE SPEC.
5	-	D	SCW	ST	6'-0"	7'-0"	2"	-	-	-	-	-	-	COORDINATING BARN DOORS
6	-	D	SCW	ST	6'-0"	7'-0"	2"	-	-	-	-	-	-	COORDINATING BARN DOORS

Grand total: 6



FLUSH PANEL DOOR WITH SPECIALTY FINISH ON PUBLIC SIDE OF DOOR SEE INTERIOR DESIGN DRAWINGS FOR FINISH INFORMATION

GOLD KICK PLATE

2" RE: SCHEDULE 2"

FRAME TYPE - 1

- DOOR GENERAL NOTES**
- EXIT DOORS SHALL MEET THE REQUIREMENTS OF IBC, SECTION 1008.
  - EXCEPT AS OTHERWISE NOTED, ALL EXITS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE (REFER TO CODE SHEETS).
  - CONTRACTOR TO CONFIRM HARDWARE REQUIREMENTS WITH ARCHITECT PRIOR TO HARDWARE SUBMITTAL. REFER TO SPECIFICATIONS FOR HARDWARE GROUPS.
  - ALL GLAZING SHALL COMPLY WITH CHAPTER 24 OF THE IBC AND APPLICABLE ENERGY CODES.
  - ALL THRESHOLDS TO HAVE A MAXIMUM CHANGE IN ELEVATION OF 1/2" FROM THE FINISH FLOOR ON EITHER SIDE OF THE THRESHOLD.
  - ALL RESTROOM DOORS ADJOINING PUBLIC SPACES SHALL BE SELF CLOSING.
  - ALL WOOD DOORS TO BE FACTORY FINISHED AND PRE-HUNG, AND PREPPED TO RECEIVE SPECIFIED HARDWARE, U.N.O.
  - ALL WOOD STILE AND RAIL DOORS SHALL HAVE STANDARD STILE AND RAILS, EXCEPT FOR THE BOTTOM RAIL, WHICH IS TO BE 1" VERIFIED SWING LOCATION AT ALL DOORS.
- COMMENTS**
- SECURITY CARD READER.
- DOOR LEGEND**
- HM HOLLOW METAL
  - IHM INSULATED HOLLOW METAL
  - SCW SOLID CORE WOOD
  - HC HOLLOW CORE
  - GL GLASS
  - ST STAINED
  - WD WOOD
  - AL ALUMINUM
  - AB ANODIZED BRONZE
  - PT PAINT, RE: FINISH SCHEDULE

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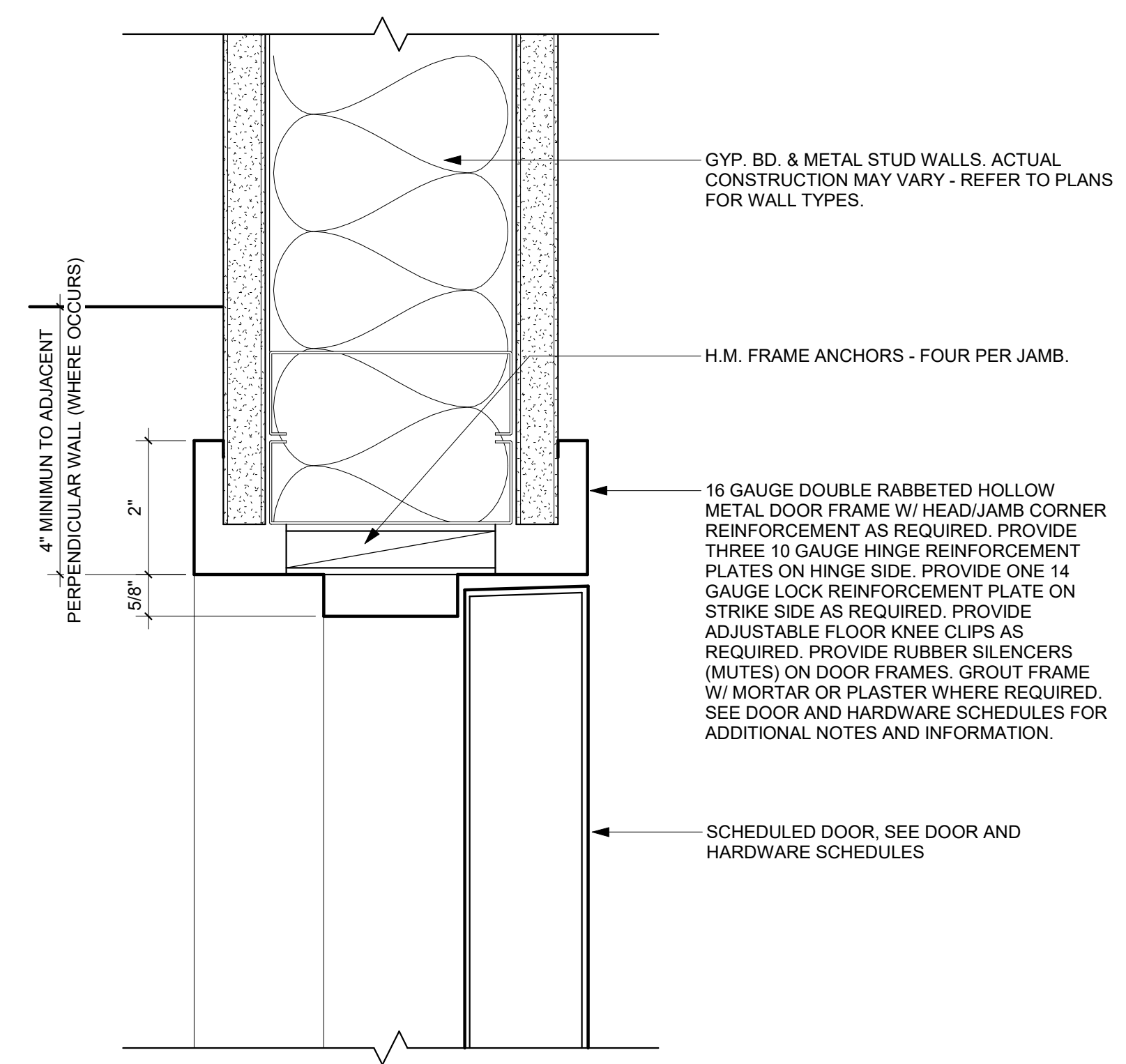
REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**DOOR & WINDOW SCHEDULE & DETAILS**

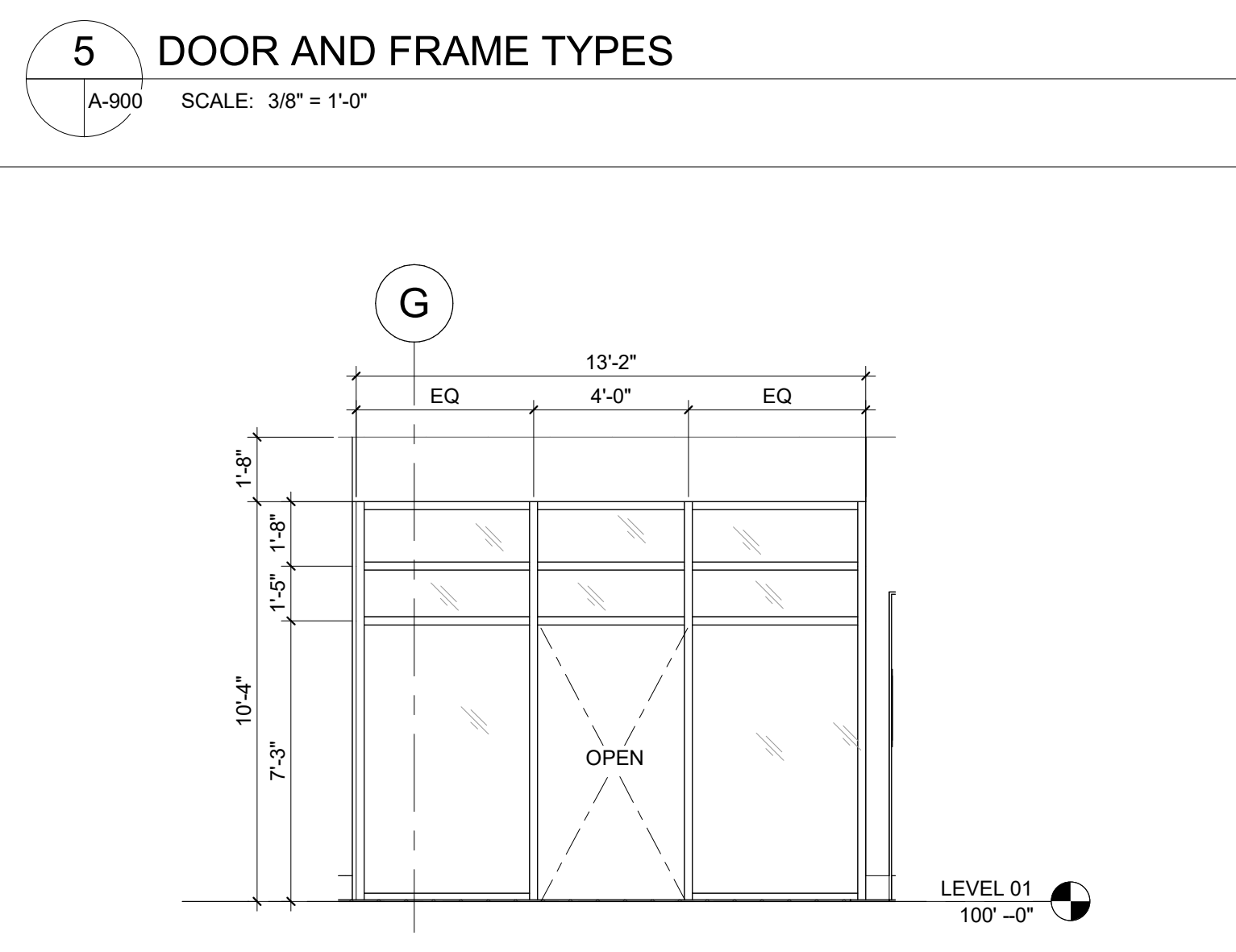
50% DESIGN DEVELOPMENT

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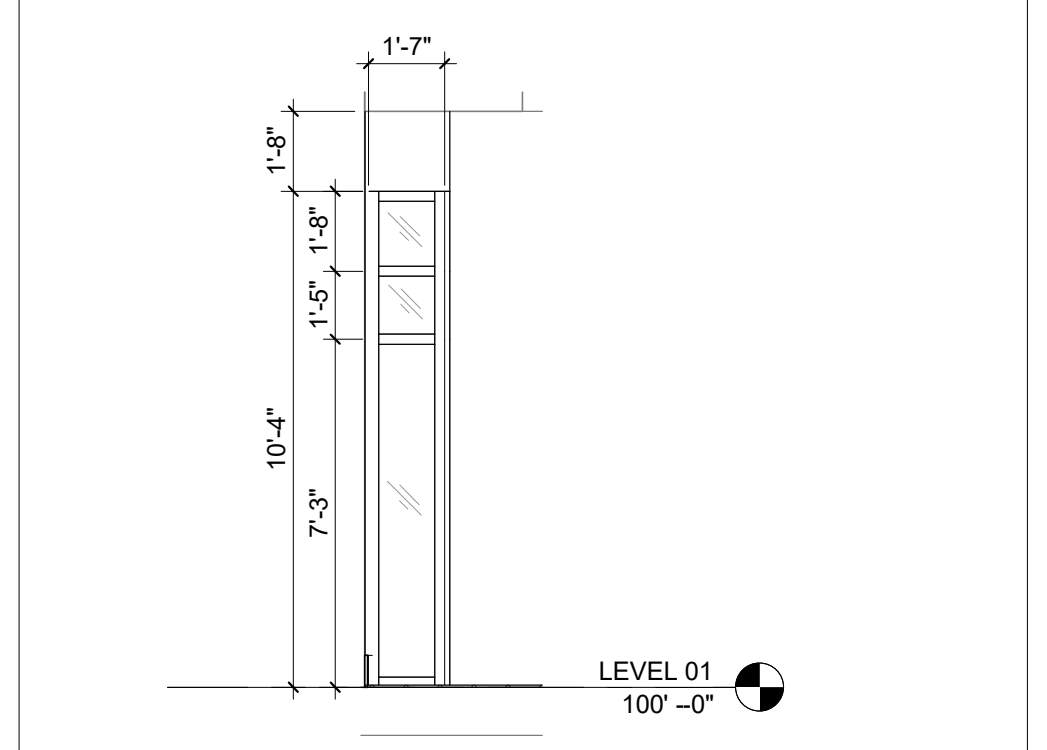
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As indicated	23-209
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<b>A-900</b>	



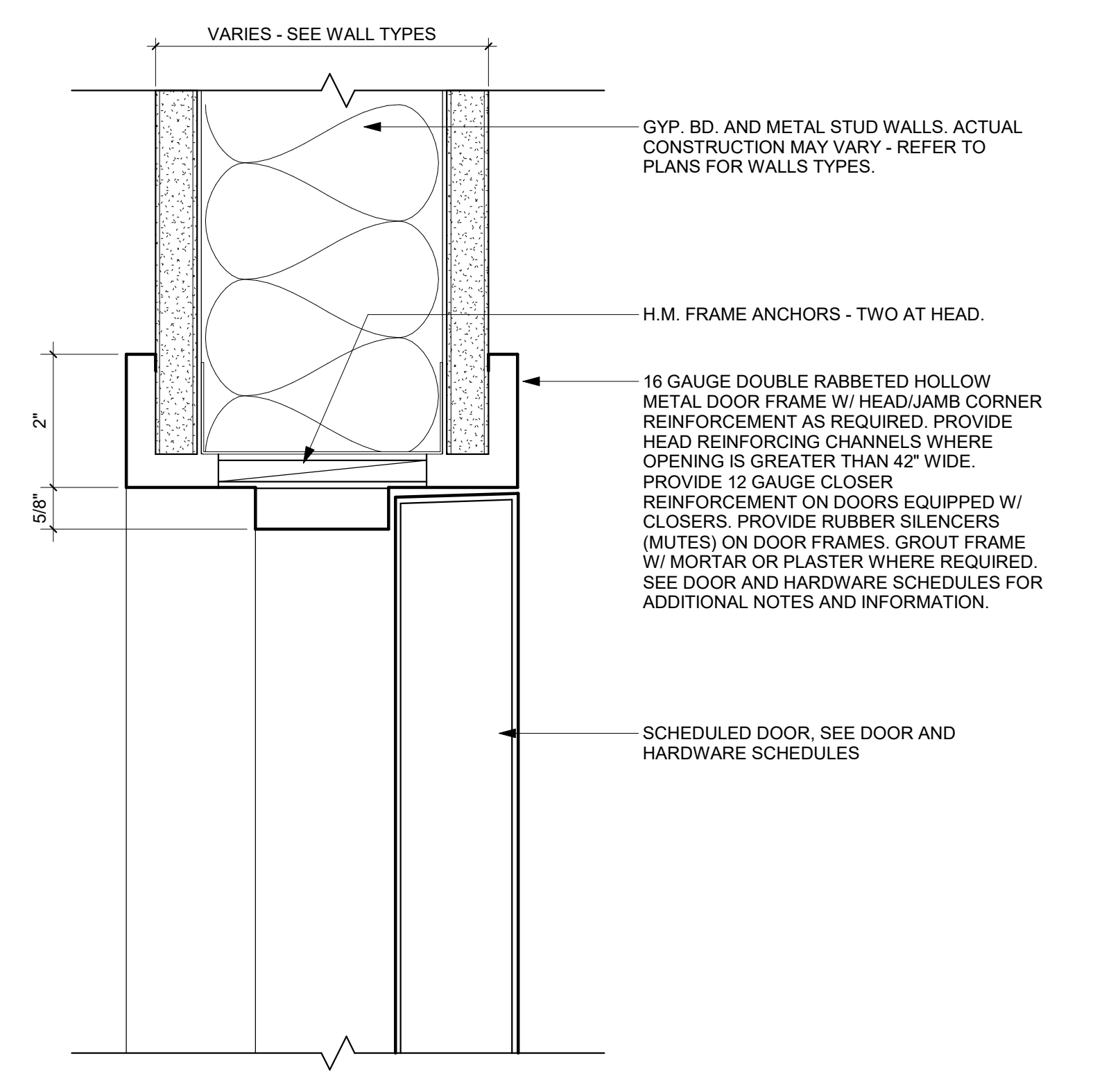
**7 INTERIOR H.M. FRAME METAL STUDS-JAMB**  
A-900 SCALE: 6" = 1'-0"



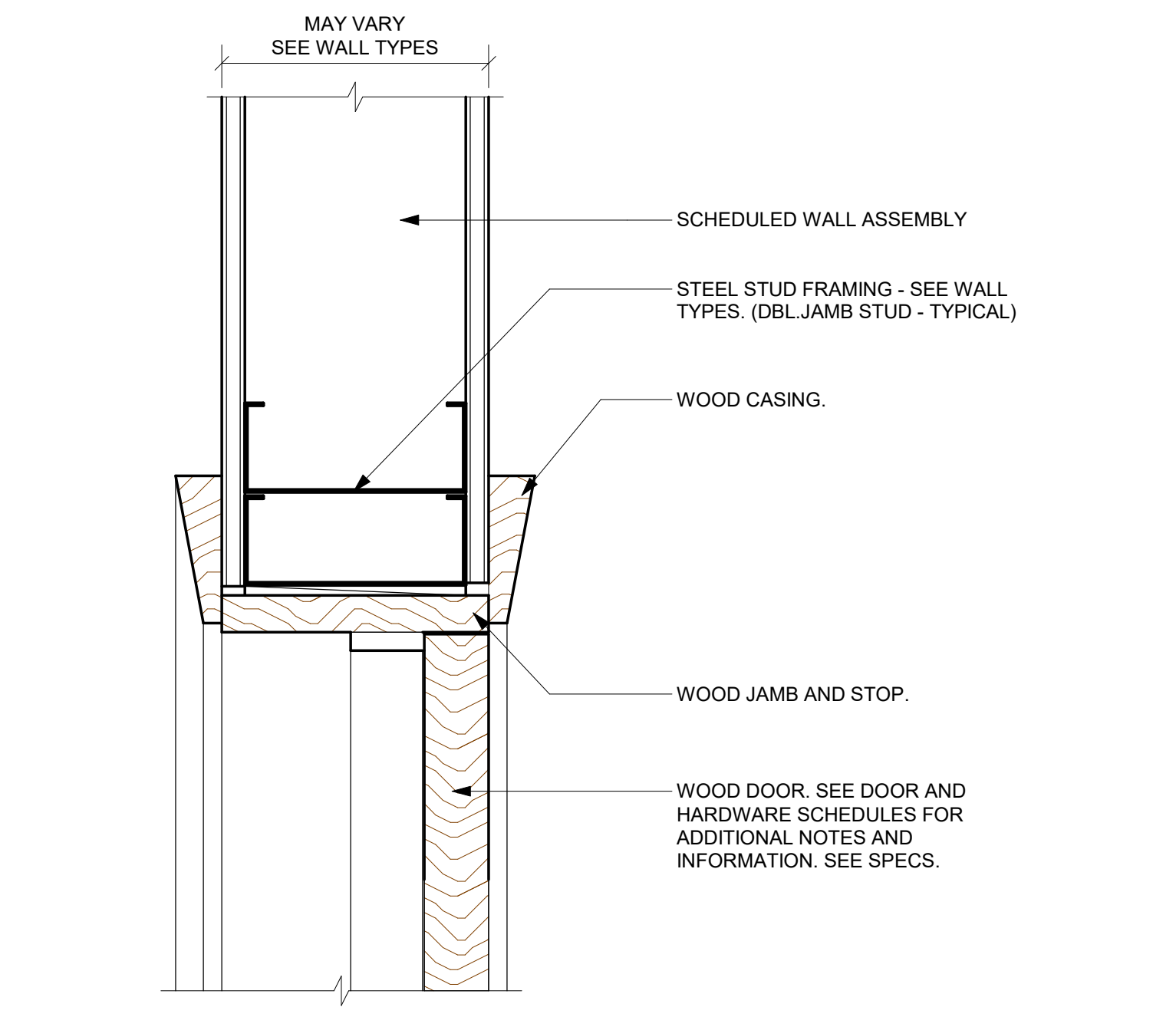
**4 ELEVATION - WINE ROOM FRONT**  
A-210/A-900 SCALE: 1/4" = 1'-0"



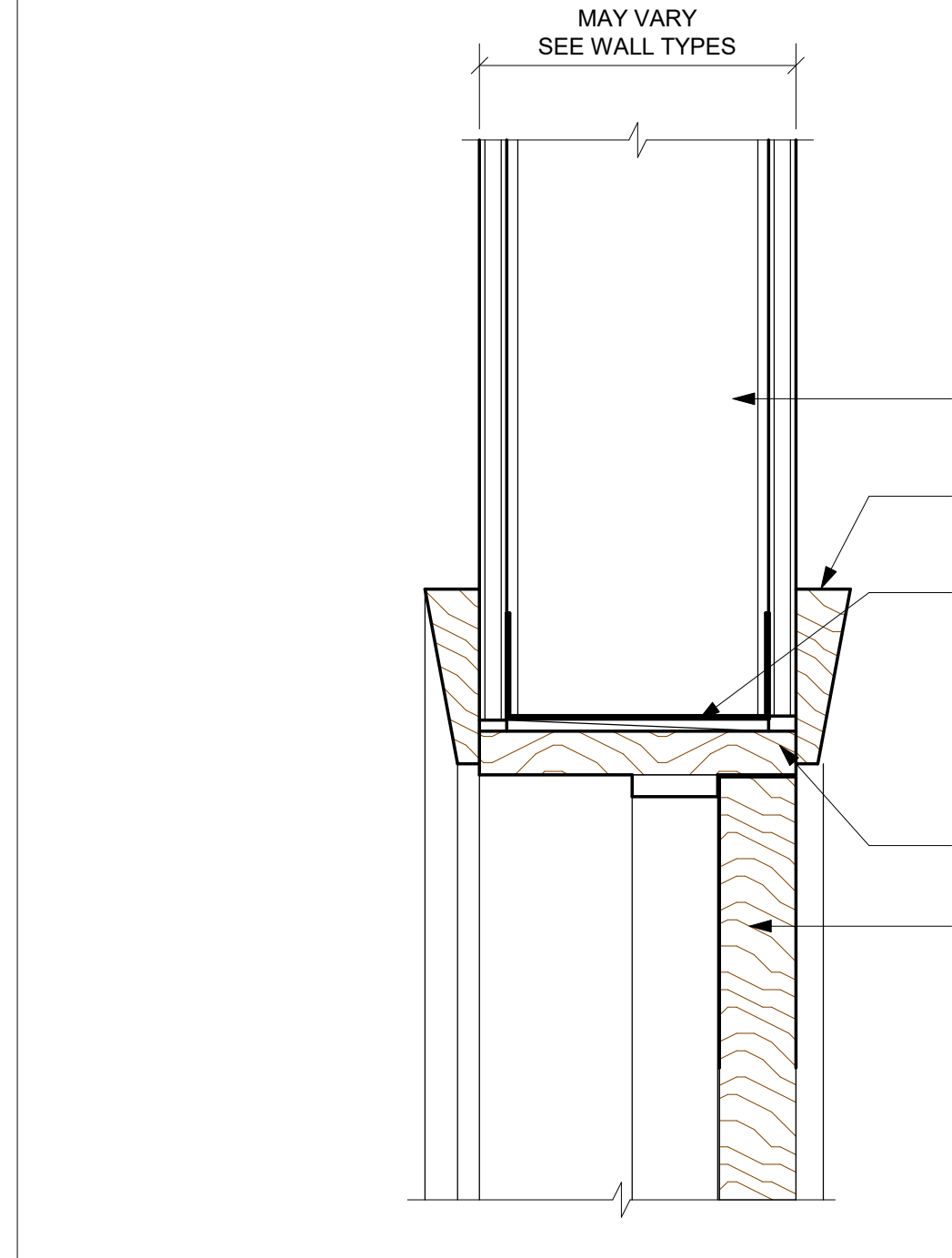
**2 ELEVATION - WINE ROOM SIDE**  
A-210/A-900 SCALE: 1/4" = 1'-0"



**6 INTERIOR H.M. FRAME METAL STUDS-HEAD**  
A-900 SCALE: 6" = 1'-0"



**3 INTERIOR WOOD DOOR-JAMB**  
A-900 SCALE: 3" = 1'-0"



**1 INTERIOR WOOD DOOR-HEAD**  
A-900 SCALE: 3" = 1'-0"





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NO. DATE DESCRIPTION

SHEET DESCRIPTION  
**INTERIOR DESIGN GENERAL NOTES**

50% DESIGN DEVELOPMENT

DRAWING SCALE: WGA PROJECT NUMBER:  
As indicated 23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**ID-001**

**INTERIOR DESIGN GENERAL NOTES**

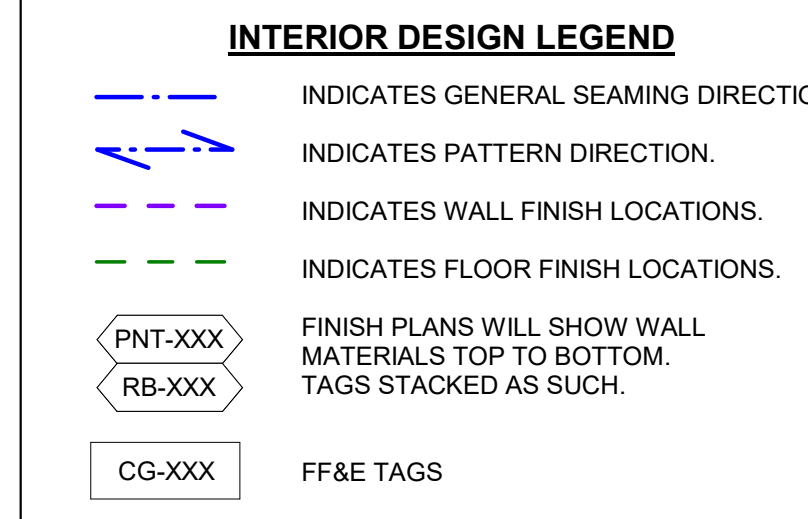
- A. REFER TO INTERIOR FINISH SCHEDULE FOR SPECIFIC MATERIAL INFORMATION. FOR ALL TILE & STONE LAYOUTS, SHOP DRAWINGS/FIELD MOCK-UPS SHALL BE SUBMITTED FOR FINAL REVIEW & APPROVAL BY THE OWNER & WORTHGROUP.
- B. INDICATES PATTERN DIRECTION.
- C. ALL FLOORING TRANSITIONS TO BE FLUSH TO EACH OTHER. PROVIDE TRANSITION STRIP "TS" AT TYPICAL FLOOR TRANSITIONS UNLESS OTHERWISE NOTED. REFER TO SCHEDULE AND SPECIFICATIONS.
- D. ALL SIGNAGE NOTED IN THE CONSTRUCTION DOCUMENTS IS FOR REFERENCE ONLY. FINAL COORDINATION OF SIZE, BACKING & ELECTRICAL DATA REQUIREMENTS IS REQUIRED WITH SIGNAGE MANUFACTURER PRIOR TO CONSTRUCTION OF WALLS, SOFFITS, ETC.
- E. REFER TO DOOR SCHEDULE FOR ALL DOOR FRAMES & DOOR FINISH TYPE; REFERENCE INTERIOR DESIGN ELEVATIONS FOR FINISHES.
- F. ALL LIGHTING DIMENSIONS ARE TO CENTER OF FIXTURE, UNLESS OTHERWISE NOTED.
- G. ALL CEILING AND WALL MOUNTED DEVICES SHALL BE PAINTED TO MATCH ADJACENT FINISH.
- H. CONTRACTOR SHALL FORWARD ALL MATERIAL SUBMITTALS & SHOP DRAWINGS TO WORTHGROUP FOR REVIEW AND APPROVAL PRIOR TO PURCHASING, FABRICATING AND/OR INSTALLATION.
- I. COORDINATE POWER AND BLOCKING REQUIREMENTS FOR ALL MONITORS WITH AV CONSULTANT.
- J. ALL FURNITURE, FIXTURES, AND EQUIPMENT O.F.C.I. UNLESS OTHERWISE NOTED.
- K. ALL SOFFIT FINISHES SHALL CONTINUE FROM SOFFIT BOTTOM, AS SHOWN ON REFLECTED CEILING PLAN, TO FACE OF SOFFIT, UNLESS OTHERWISE NOTED ON ELEVATIONS AND/OR SECTIONS.
- L. REFER TO SEAMING DIAGRAM FOR INSTALLATION OF ALL CARPET TILE.
- M. ALL FLOORING SHALL EXTEND UNDER BOOTHS AND BANQUETTES INDICATED ON THE DRAWINGS.
- N. PRIOR TO FABRICATION & INSTALLATION, ALL BOOTH & BANQUETTE SEATING LOCATIONS, SIZES & FIELD MEASUREMENTS SHALL BE COORDINATED WITH THE FFE PURCHASING AGENT.
- O. AVAILABLE MANUFACTURERS: SUBJECT TO THE COMPLIANCE WITH THE PROJECT REQUIREMENTS, MANUFACTURERS OFFERING PRODUCTS THAT ARE INCORPORATED INTO THE WORK INCLUDE MANUFACTURERS SPECIFIED OR EQUAL AS APPROVED BY WORTHGROUP. WORTHGROUP MUST REVIEW & APPROVE ALL MATERIALS PRIOR TO PURCHASING & INSTALLATION.
- P. UNLESS OTHERWISE SPECIFIED, PROVIDE CAULKING AT TRANSITIONS BETWEEN MATERIALS. COLOR SHALL MATCH ADJACENT SURFACES.
- Q. LIGHT FIXTURES, DIFFUSERS, GRILLES, TO BE CENTERED BETWEEN WALLS/BEAMS, SOFFITS, ETC. VERIFY EXACT LOCATION S WITH ARCHITECT IF NOT DEFINED ON PLANS.
- R. ALL DECORATIVE LIGHT FIXTURES SELECTED BY INTERIORS AND INSTALLED BY GENERAL CONTRACTOR. GC TO PROVIDE LAMPING FOR ALL TYPES OF LIGHT FIXTURES, U.N.O. RE: RCP FOR LOCATIONS.
- S. INSTALL APPROPRIATE BLOCKING/SUPPORT FOR LIGHTING & MFR EQUIPMENT DEVICE INSTALLATION.
- T. ALL INTERIOR DECORATIVE WOOD MEMBERS TO BE STAINED AS SPECIFIED, U.N.O.
- U. SUSPENDED ACOUSTICAL CEILING TILE TO BE HUNG, MOUNTED, AND BRACED PER LOCAL CODE AND MFR. REQUIREMENTS.
- V. REFER TO INTERIOR FINISH SCHEDULE FOR CEILING FINISHES. CROSS REFERENCE ARCHITECTURAL PLANS WITH FINISH SCHEDULE. NOTIFY ARCHITECT PRIOR TO COMMENCING WORK SHOULD ANY DISCREPANCIES EXIST.
- W. RE: INTERIOR ELEVATIONS FOR CROWN MOULDING LOCATIONS AND PROFILES.
- X. ALL MILLWORK SECTIONS NOTED IN THE CONSTRUCTION DOCUMENTS ARE FOR REFERENCE ONLY & INDICATE THE DESIGN INTENT OF FINISH APPLICATION LOCATIONS.
- Y. AS PER SPECIFICATIONS, DETAILED SHOP DRAWINGS OF ALL MILLWORK SHALL BE SUBMITTED FOR FINAL REVIEW AND APPROVAL BY THE OWNER & WORTHGROUP PRIOR TO FABRICATION.
- AA. DETAILS NOTED IN THE CONSTRUCTION DOCUMENTS ARE FOR DESIGN INTENT ONLY & SHALL BE COORDINATED WITH THE FOOD AND BEVERAGE MILLWORK DRAWINGS. MILLWORK SHOP DRAWINGS SHALL BE SUBMITTED FOR FINAL REVIEW & APPROVAL BY THE OWNER & WORTHGROUP PRIOR TO FABRICATION.
- BB. GAMING DEVICES INDICATED IN MILLWORK IS FOR REFERENCE ONLY. VERIFY SIZES & ACCESS REQUIREMENTS WITH OWNER & GAMING MFR PRIOR TO MILLWORK FABRICATION. SHOP DRAWINGS SHALL BE PROVIDED FOR FINAL REVIEW & APPROVAL BY OWNER & WORTHGROUP.

**MILLWORK GENERAL NOTES**

- A. THE PURPOSE OF MILLWORK DRAWINGS IS TO CONVEY GENERAL DESIGN INTENT. MILLWORK, CASEWORK, CABINETS, AND FINISH CARPENTRY SHALL BE CONSTRUCTED IN ACCORDANCE WITH ARCHITECTURAL WOODWORK INSTITUTE QUALITY STANDARDS PREMIUM GRADE. SUBMIT TO-SCALE SHOP DRAWINGS OF ALL MILLWORK ITEMS FOR INTERIOR DESIGNER/ARCHITECTS APPROVAL PRIOR TO FABRICATION.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL BLOCKING, POWER, LIGHTING, PLUMBING, MECHANICAL, ETC. THAT MAY AFFECT MILLWORK AND CASEWORK FABRICATION.
- C. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- D. COS CABINETS ARE INTENDED FOR TYPE A CONSTRUCTION WITH INTEGRAL FINISHED ENDS AND SCRIBES.
- E. ALL HARDWOOD SHALL BE STAINED, U.N.O., WITH MEDIUM DISTRESSING, SHADOWING, AND FLY SPECKING. COLOR TO BE SELECTED BY INTERIOR DESIGNER. SUBMIT SAMPLE OF FINISH WOOD MATERIAL FOR INTERIOR DESIGNER/ARCHITECTS APPROVAL.
- F. VENEERS SHALL BE PLAIN SLICED. PANEL ENDS SHALL BE BOOK MATCHED.
- G. PROVIDE MULTIPLE OF APPROVED FINISH MATERIAL FOR DISTRIBUTION TO AND COORDINATION WITH OTHER TRADES.
- H. ALL EXPOSED EDGES AND SHELF EDGES SHALL BE HARDWOOD, U.N.O.
- I. TYPICAL HARDWOOD SPECIES VARIES PER INTERIORS, AWI GRADE 1 AND BETTER U.N.O.
- J. PROVIDE CABINET HARDWARE SUBMITTALS FOR ALL MILLWORK AND CASEWORK, INCLUDING DOOR AND DRAWER PULLS, DRAWER GLIDES, CONCEALED HINGES U.N.O.
- K. INTERIOR (CONCEALED) HARDWARE SHALL BE US10B, U.N.O.
- L. PROVIDE 4" BRUSHED ALUMINUM WIRE, FOR DOOR AND DRAWER PULLS AT PLASTIC LAMINATE CABINETS, U.N.O.
- M. PLUMBING FIXTURES IN MILLWORK SHALL BE INSTALLED IN COMPLIANCE WITH APPLICABLE CODES.
- N. CABINET INTERIORS AND SHELVES SHALL BE BLACK MELAMINE, U.N.O.
- O. ALL PLASTIC LAMINATE COUNTERTOPS WITH SINKS SHALL HAVE POSTFORMED EDGE.
- P. ALL TELEVISION INDICATED IN MILLWORK SHALL BE POCKETING, U.N.O.
- Q. PROVIDE ALL SUPPLEMENTAL FRAMING, LADDER BASES, CONCEALED BLOCKING AND SUPPORTS, ETC. FOR A COMPLETE INSTALLATION.
- R. SUBSTRATE FOR PLASTIC LAMINATE SURFACES SHALL BE 3/4" PLYWOOD TYP. PLASTIC LAMINATE COUNTERTOPS AND WORK SURFACES SHALL BE CONSTRUCTED OF (2) LAYERS 3/4" PLYWOOD.
- S. GLASS SHELVES SHALL BE 1/4" THICK CLEAR TEMPERED FLOAT GLASS WITH RADIUS POLISHED EDGES.
- T. GLAZING IN CABINET DOORS SHALL BE CLEAR GLASS EQUAL TO BENCHMARCH ARCHITECTURAL GLASS.
- U. PROVIDE DRILLED HOLES AND BLACK PLASTIC GROMMETS AT PENETRATIONS FOR OWNER EQUIPMENT AND DEVICES.
- V. PENETRATIONS SHALL BE INSTALLED ACCORDING TO PLANS. COORDINATE WITH OWNER AND ELECTRICAL CONTRACTOR.
- W. ALL MILLWORK SECTIONS NOTED IN THE CONSTRUCTION DOCUMENTS ARE FOR REFERENCE ONLY AND INDICATE THE DESIGN INTENT OF THE FINISH APPLICATION.
- X. AS PER SPECIFICATIONS, DETAILED SHOP DRAWINGS OF ALL MILLWORK SHALL BE SUBMITTED FOR FINAL REVIEW AND APPROVAL BY THE OWNER & WORTHGROUP PRIOR TO FABRICATION.
- Y. ALL STONE AND COUNTERTOP EDGES SHALL BE EASED SQUARE EDGE WITH 3/4" OVERHANG U.N.O.
- Z. EQUIPMENT INDICATED IN MILLWORK IS FOR REFERENCE ONLY. VERIFY SIZES AND ACCESS REQUIREMENTS WITH OWNER AND GAMING MANUFACTURER PRIOR TO MILLWORK FABRICATION. SHOP DRAWINGS SHALL BE PROVIDED FOR FINAL REVIEW AND APPROVAL BY OWNER AND WORTHGROUP.

**GENERAL ABBREVIATIONS - INTERIORS**

&	AND	ID	INTERIOR DESIGNER/
@	AT	INCL	INCLUDE(D) (ING)
#	POUND OR NUMBER	INFO	INFORMATION
(E)	EXISTING	INTUL	INSULATED(D) (ING)
(N)	NEW	INT	INTERMEDIATE
ABV	ABOVE	JAN	JANITOR
ACT	ACCTIC TILE	JCB	JUNCTION BOX
ADH	ADHESIVE	KD	KNOCK DOWN
ADJ	ADJACENT	KO	KNOCK OUT
ADJUS	ADJUSTABLE	KPL	KICK PLATE
AFF	ABOVE FINISHED FLOOR	L	LONG (LENGTH)
AGG	AGGREGATE	LAM	LAMINATE(D)
ALT	ALTERNATE	LAV	LAVATORY
ALUM	ALUMINUM	LHF	LEFT HAND FACING
ANOD	ANODIZED	LP	LOW POINT
APPROX	APPROXIMATE	LT	LIGHT
ARCH	ARCHITECTURAL	MAX	MAXIMUM
ASPH	ASPHALT	MECH	MECHANICAL
BD	BELOW	MFR	MANUFACTURE(D) (R)
BEL	BETWEEN	MIN	MINIMUM
BET	BETWEEN	MISC	MISCELLANEOUS
BLDG	BUILDING	NA	NOT APPLICABLE
BLK	BLOCKING	NIC	NOT IN CONTRACT
BO	BY OWNER	NO	NUMBER
BOT	BOTTOM	NTS	NOT TO SCALE
C TO C	CENTER TO CENTER	O TO O	OUT TO OUT
CAB	CABINET	OA	OVERALL
CG	CORNER GUARD	OC	ON CENTER(S)
CJ	CONTROL JOINT	OD	OUTSIDE DIAMETER
CLG	CEILING	OH	OVERHEAD
CLR	CLEAR	OPG	OPENING
COL	COLUMN	OPP	OPPOSITE
CONC	CONCRETE	PERP	PERPENDICULAR
CONST	CONSTRUCTION	PLAM	PLASTIC LAMINATE
CONT	CONTINUOUS OR CONTINUE	PNL	PANEL
COORD	COORDINATE	POL	POLISHED
CORR	CORRIDOR	PR	PAIR
DBL	DOUBLE	PROJ	PROJECT
DEMO	DEMOLISHED	PVC	POLY VINYL CHLORIDE
DEPT	DEPARTMENT	QTY	QUANTITY
DIAG	DIAGONAL	RAD	RADIUS
DIAM	DIAMETER	RCP	REFLECTED CEILING PLAN
DN	DOWN	REF	REFRIGERATOR
DWG	DRAWING	RENF	REINFORCE(D) (ING)
EA	EACH	REQ	REQUIRED
ELEC	ELECTRICAL	REV	REVISION(S), REVISED
ELEV	BUILDING ELEVATION/ELEVATOR	RHF	RIGHT HAND FACING
EMER	EMERGENCY	RM	ROOM
ENGR	ENGINEER	SF	SQUARE FOOT (FEET)
EQUIP	EQUIPMENT	SHT	SHEET
EXIST	EXISTING	SIM	SIMILAR
EQ	EQUAL	SPEC	SPECIFICATION(S)
FE	FIRE EXTINGUISHER	SQ	SQUARE
FEC	FIRE EXTINGUISHER CABINET	STD	STANDARD
FD	FLOOR DRAIN	STOR	STORAGE
FB	FLOOR FINISHED FLOOR ELEVATION	STR	STRUCTURAL
FIN	FINISHED	SYM	SYMMETRY (ICAL)
FLUOR	FLUORESCENT	T	TREAD
FND	FOUNDATION	T&G	TONGUE AND GROOVE
FO	FACE OF	TELE	TELEPHONE
FR	FIRE RESISTIVE (RETARDENT)	THRU	THROUGH
FURR	FURRED(ING)	TV	TELEVISION
FUT	FUTURE	TYP	TYPICAL
GA	GAUGE	UL	UNDERWRITERS
GALV	GALVANIZED	LABOR	LABORATORIES
GC	GENERAL CONTRACTOR	UNFIN	UNFINISHED
GI	GALVANIZED IRON	UNO	UNLESS NOTED OTHERWISE
GYPBD	GYPSPUM BOARD (DRY WALL)	VERT	VERTICAL
HCAP	HANDICAPPED	VEST	VESTIBULE
HDW	HARDWARE	W	VERIFY IN FIELD
HGT	HEIGHT	W/O	WITH
HM	HOLLOW METAL	W/O	WITHOUT
HORIZ	HORIZONTAL	WDO	WINDOW
HPL	HIGH PRESSURE LAMINATE	WT	WEIGHT
HR	HOUR	YD	YARD
HVAC	HEATING/VENTILATION/AIR CONDITIONING		

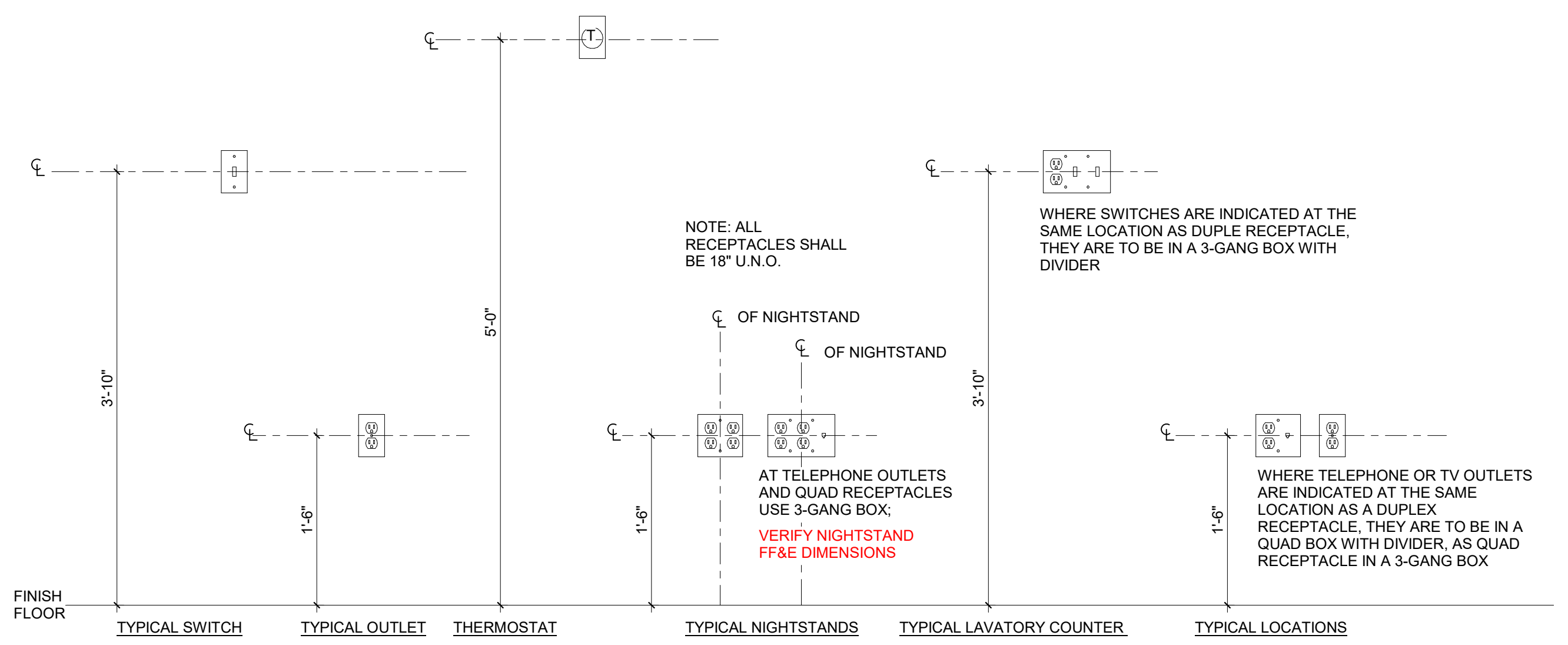


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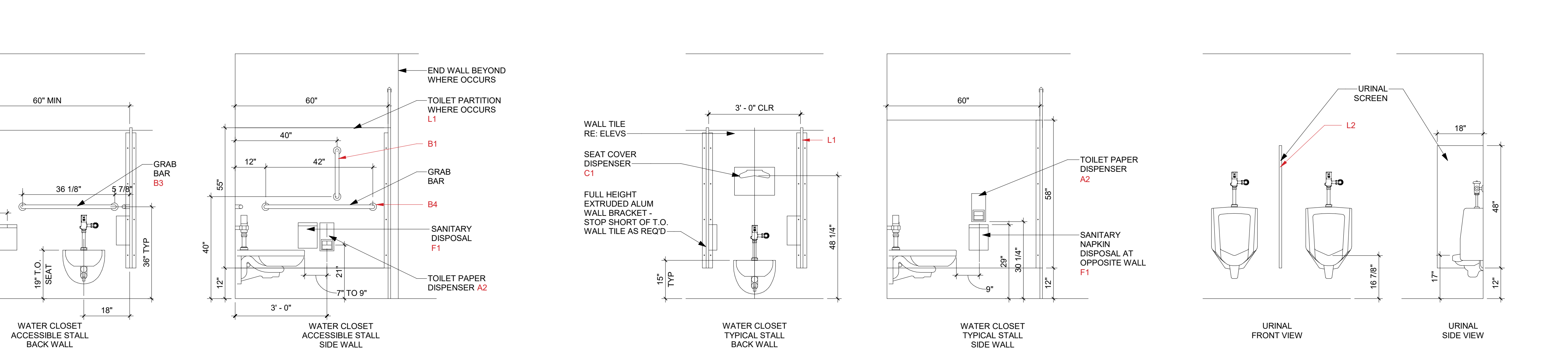
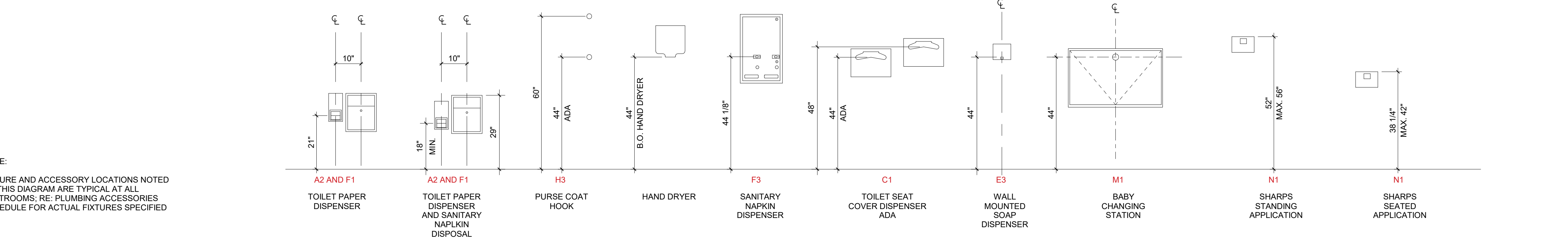
ACC	ACCESSORY
ART	ARTWORK
ACT	ACOUSTICAL CEILING TILE
AST	ANTI-SLIP TAPE
CHN	METAL CHAIN
CHR	CHAIR RAIL
CG	CASEGOOD FURNITURE
COR	CORNER GUARD
CPT	CARPET/CARPET PAD
D	DRAPERY/BEDDING (SOFT GOODS)
F	FABRIC
FAB	FIBER REINFORCED PANEL
FAN	CEILING FAN
FRP	FIBER REINFORCED PANEL
FSG	FIXED SEATING
GL	GLASS
GRT	GROUT
HDW	HARDWARE
LM	PLASTIC LAMINATES/MELAMINES/METAL
LTG	HARDWARE DECORATIVE LIGHTING
LVT	LUXURY VINYL TILE
MLD	MOULDING
MTL	SPECIALTY METALS
MR	MIRROR, MIRRORED PANEL
PNL	PANEL
PNT	PAINT
RB	RESILIENT WALL BASE
RF	RESILIENT FLOORING
SGF	SEATING FABRIC
SG	SEATING
SGN	SIGNAGE
SS	SOLID SURFACE
ST	STAIN
STN	ALL STONE, STONE SLAB AND QUARTZ
SV	SHEET VINYL
TL	CERAMIC TILE, PORCELAIN TILE, GLASS TILE
TS	TRANSITION/THRESHOLD
URP	UPHOLSTERY
VCT	VINYL COMPOSITE TILE
WC	WALL COVERING
WD	WOOD FLOORING
WM	WALK OFF MAT
WV	WOOD VENEER

**INTERIOR ELECTRICAL LEGEND**

		DUPLEX OUTLET
		QUADPLEX OUTLET
		GFCI OUTLET
		TELEPHONE OUTLET
		TV OUTLET
		Cm6 R45 OUTLET
		SWITCH
		THERMOSTAT
		SMOKE DETECTOR
		JUNCTION BOX



**1 TYPICAL ELECTRICAL/MECHANICAL MOUNTING HEIGHTS**  
SCALE: 1" = 1'-0"



**TOILET ACCESSORIES MOUNTING HEIGHTS**  
SCALE: 1/2" = 1'-0"





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NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**OVERALL FINISH AND FF+E PLAN**

**50% DESIGN DEVELOPMENT**

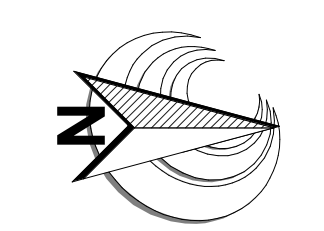
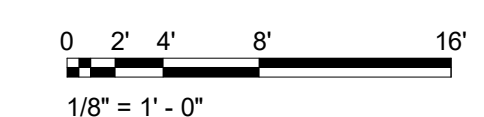
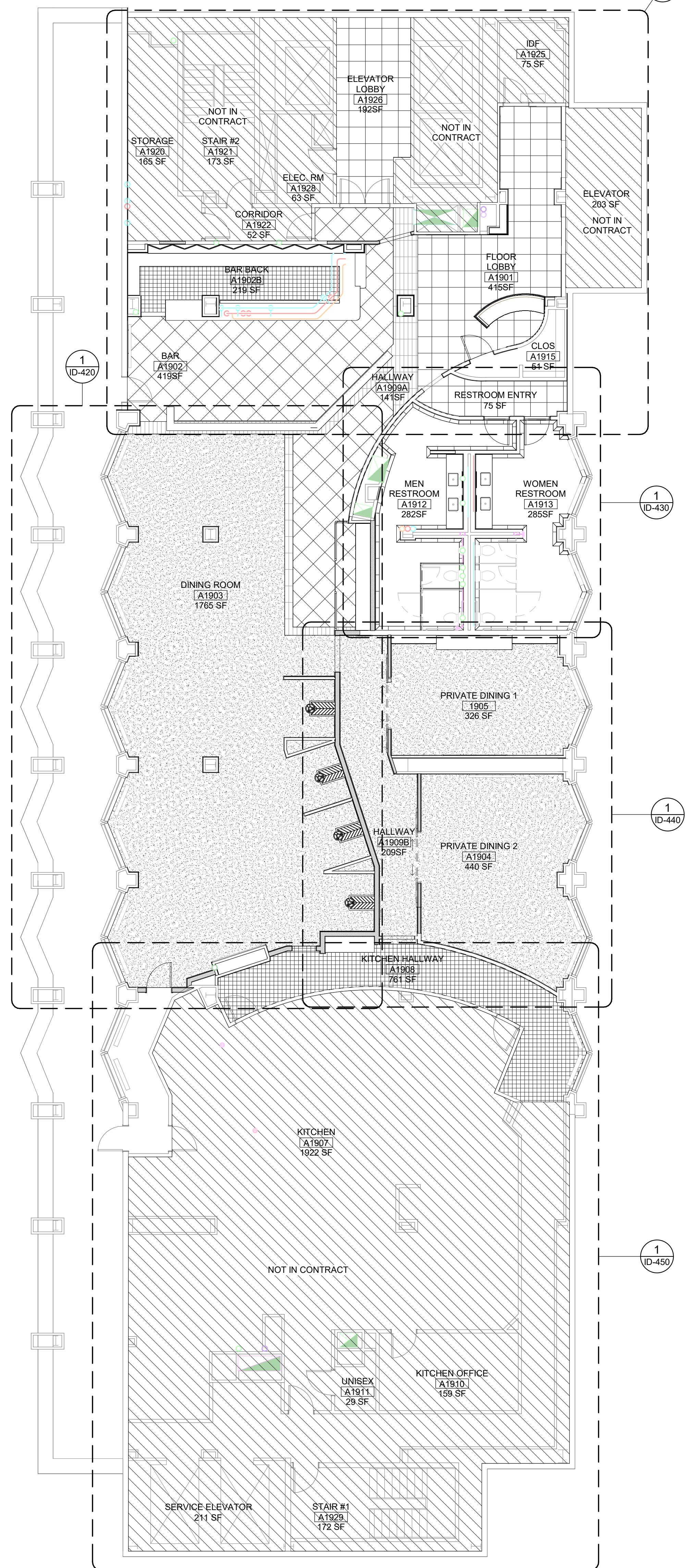
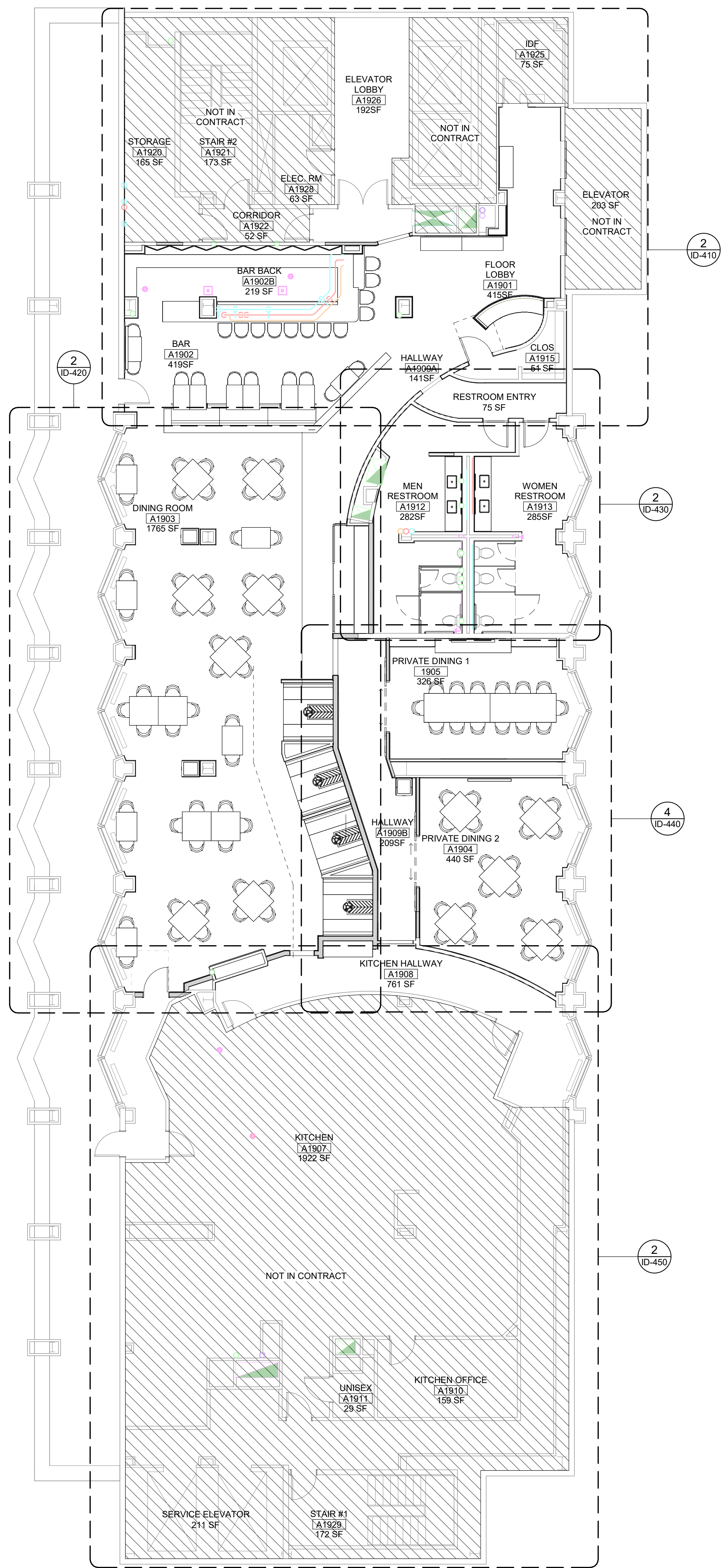
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WGA PROJECT NUMBER: 23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**ID-210**



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REVISIONS

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SHEET DESCRIPTION  
**ENTRY + BAR**

**50% DESIGN DEVELOPMENT**

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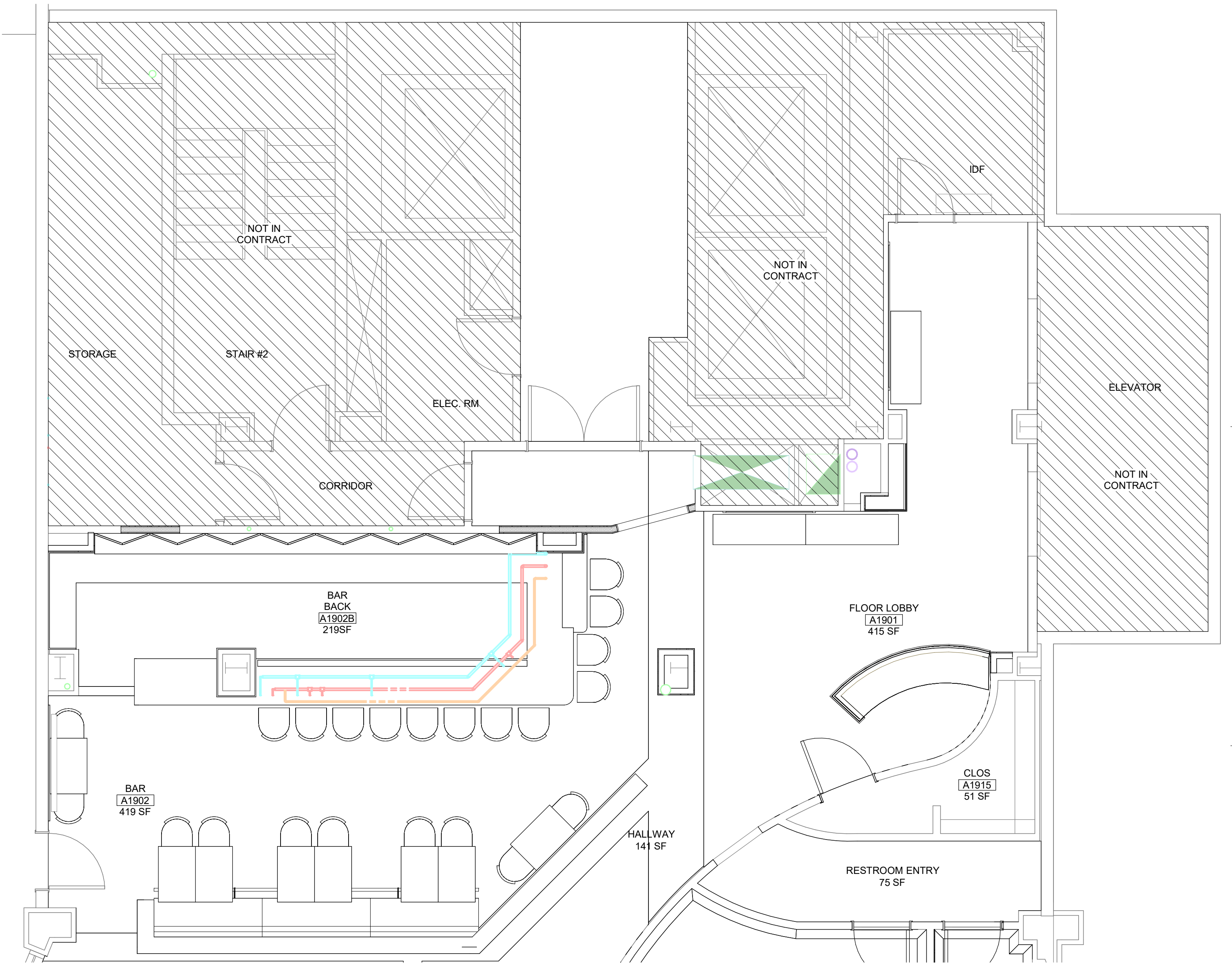
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PROGRESS DATE:

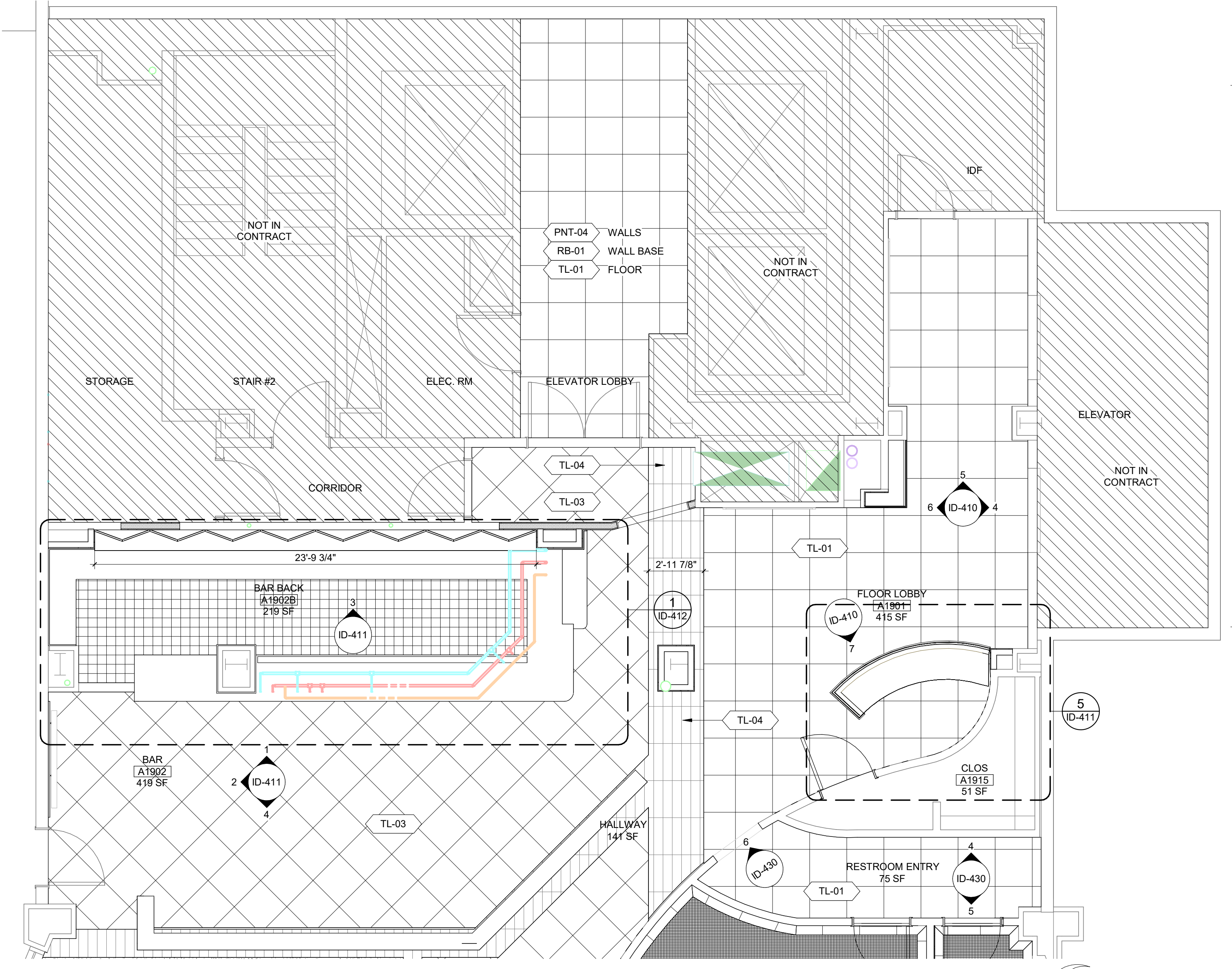
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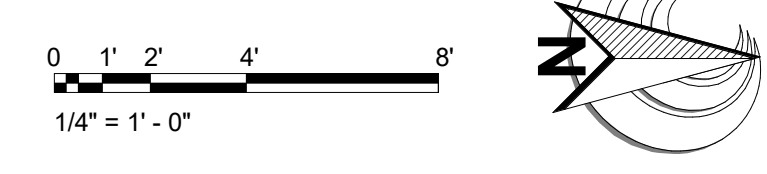
**ID-410**



**2 ENLARGED FF+E PLAN - ENTRY + BAR**  
A-800 ID-410 SCALE: 1/4" = 1'-0"

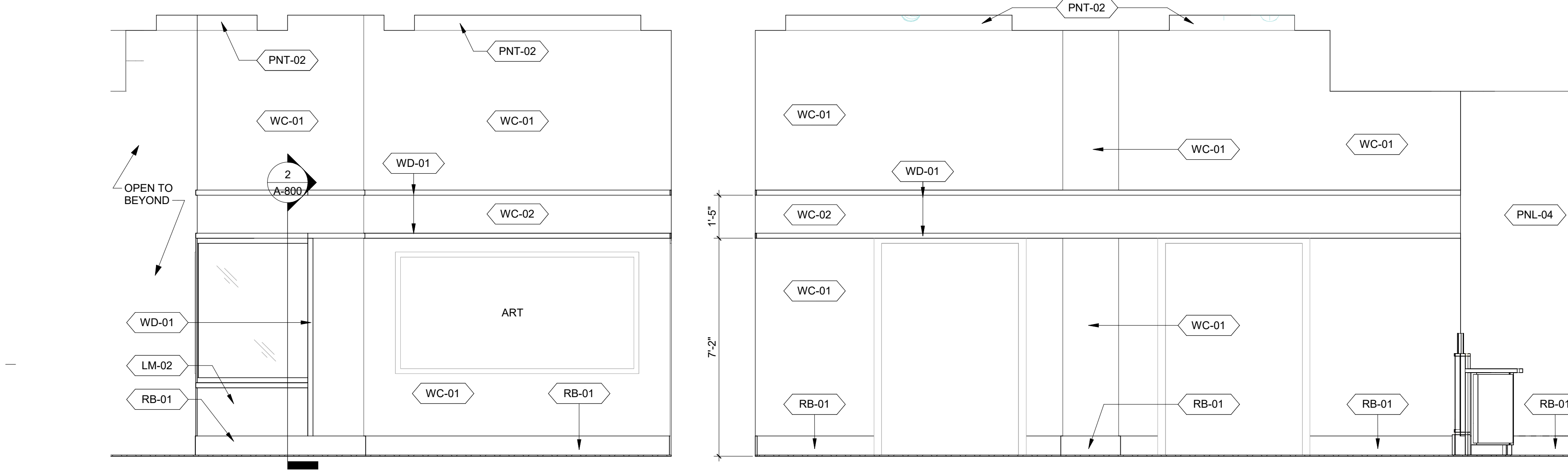


**1 ENLARGED FINISH PLAN - ENTRY + BAR**  
A-800 ID-410 SCALE: 1/4" = 1'-0"



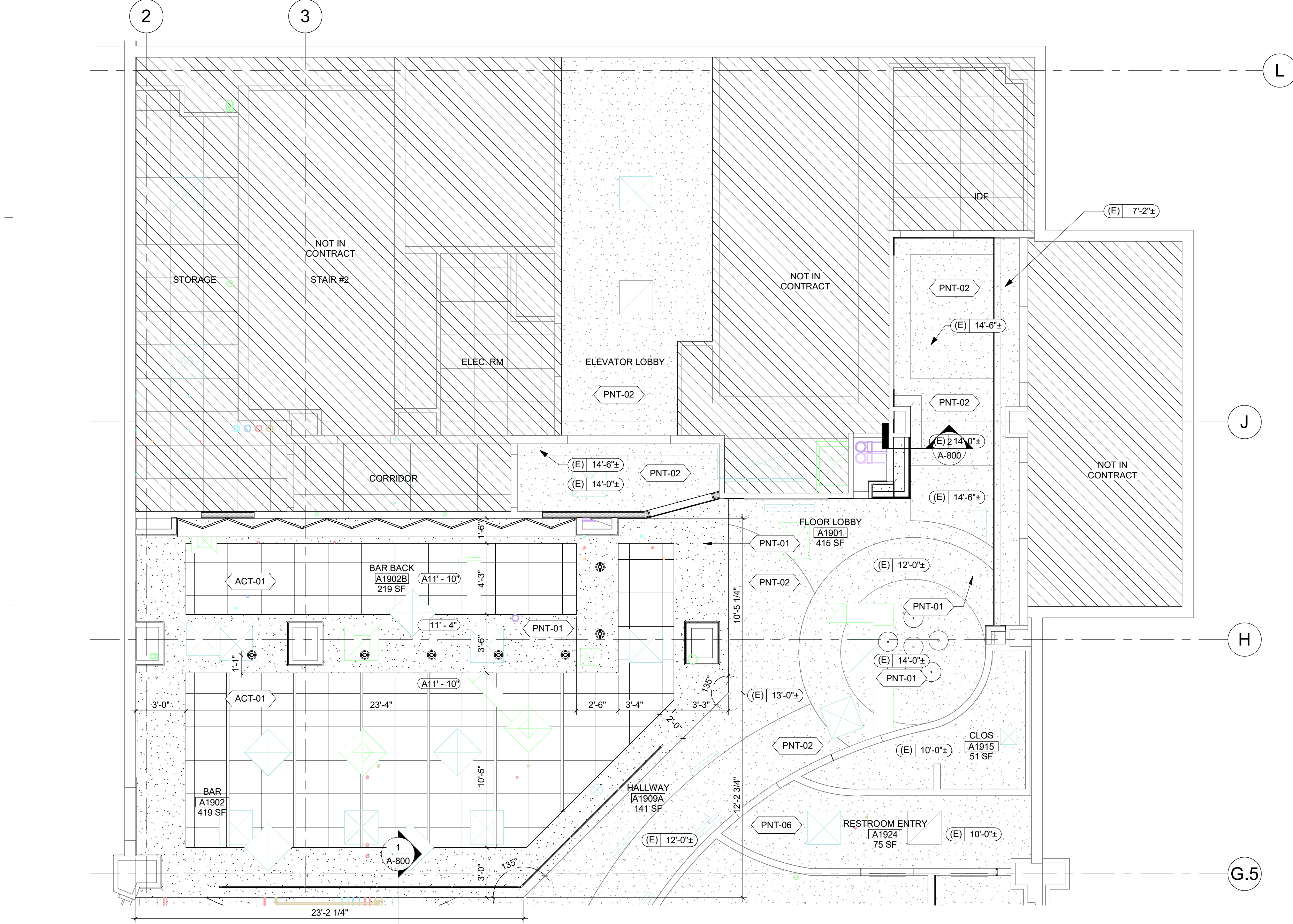
**7 ELEVATION - ENTRY HOST**  
ID-410 ID-410 SCALE: 3/8" = 1'-0"

**5 ELEVATION - ENTRY NORTH**  
ID-410 ID-410 SCALE: 3/8" = 1'-0"



**6 ELEVATION - ENTRY WEST**  
ID-410 ID-410 SCALE: 3/8" = 1'-0"

**4 ELEVATION - ENTRY EAST**  
ID-410 ID-410 SCALE: 3/8" = 1'-0"



**3 ENLARGED RCP - ENTRY + BAR**  
A-310 ID-410 SCALE: 1/4" = 1'-0"

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SHEET DESCRIPTION  
**ENTRY + BAR**

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KEY PLAN

DRAWING SCALE: WGA PROJECT NUMBER:

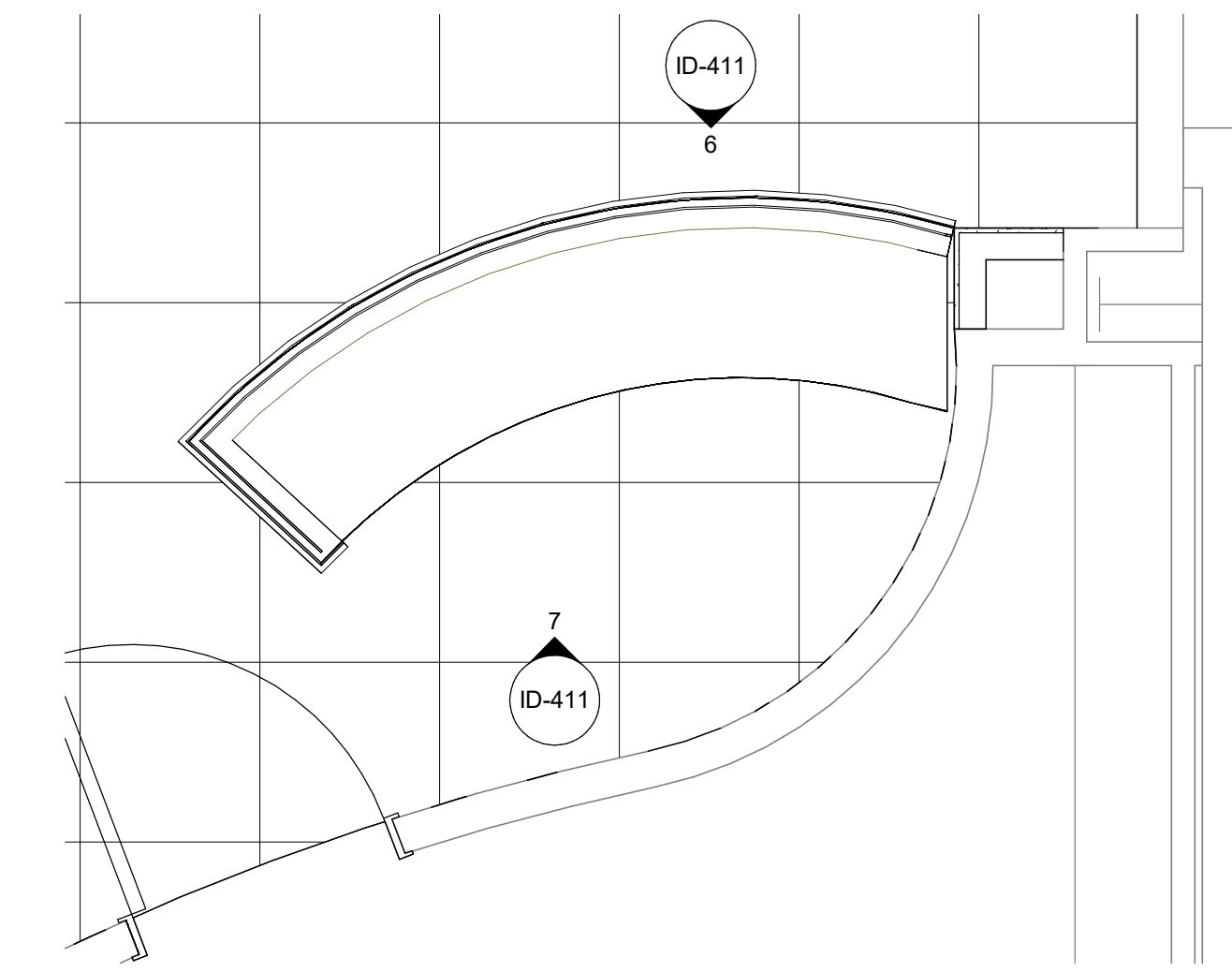
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PROGRESS DATE:

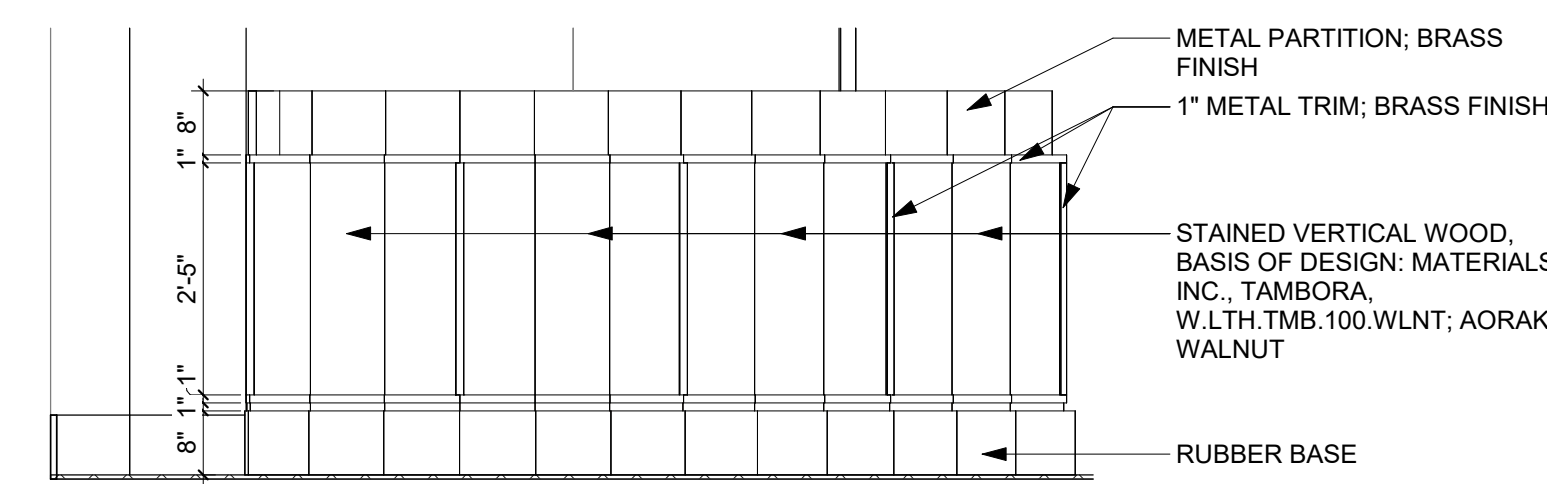
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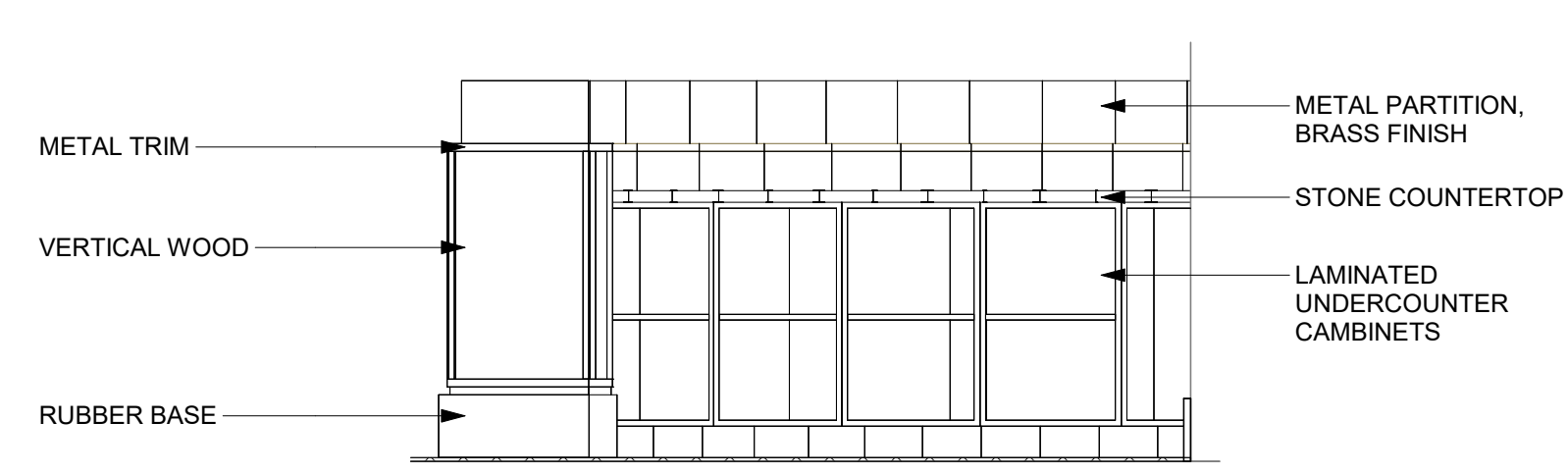
**ID-411**



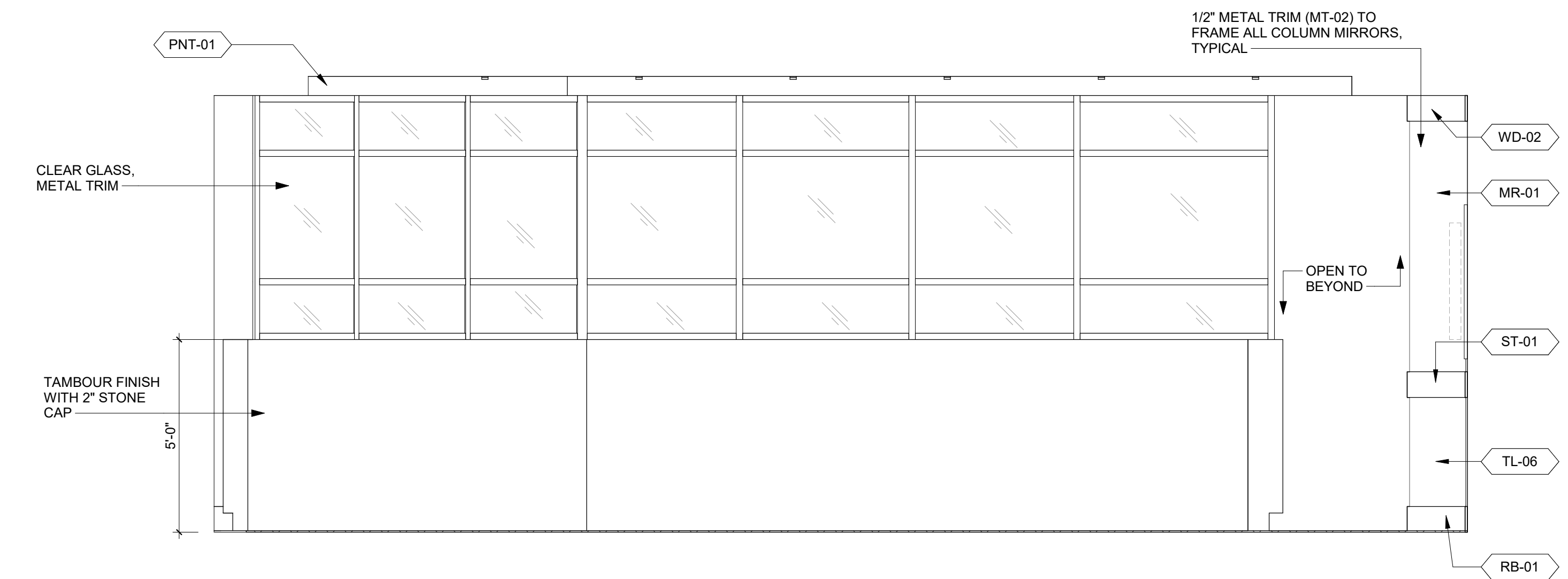
**5 HOSTESS STAND ENLARGED PLAN**  
ID-411 SCALE: 1/2" = 1'-0"



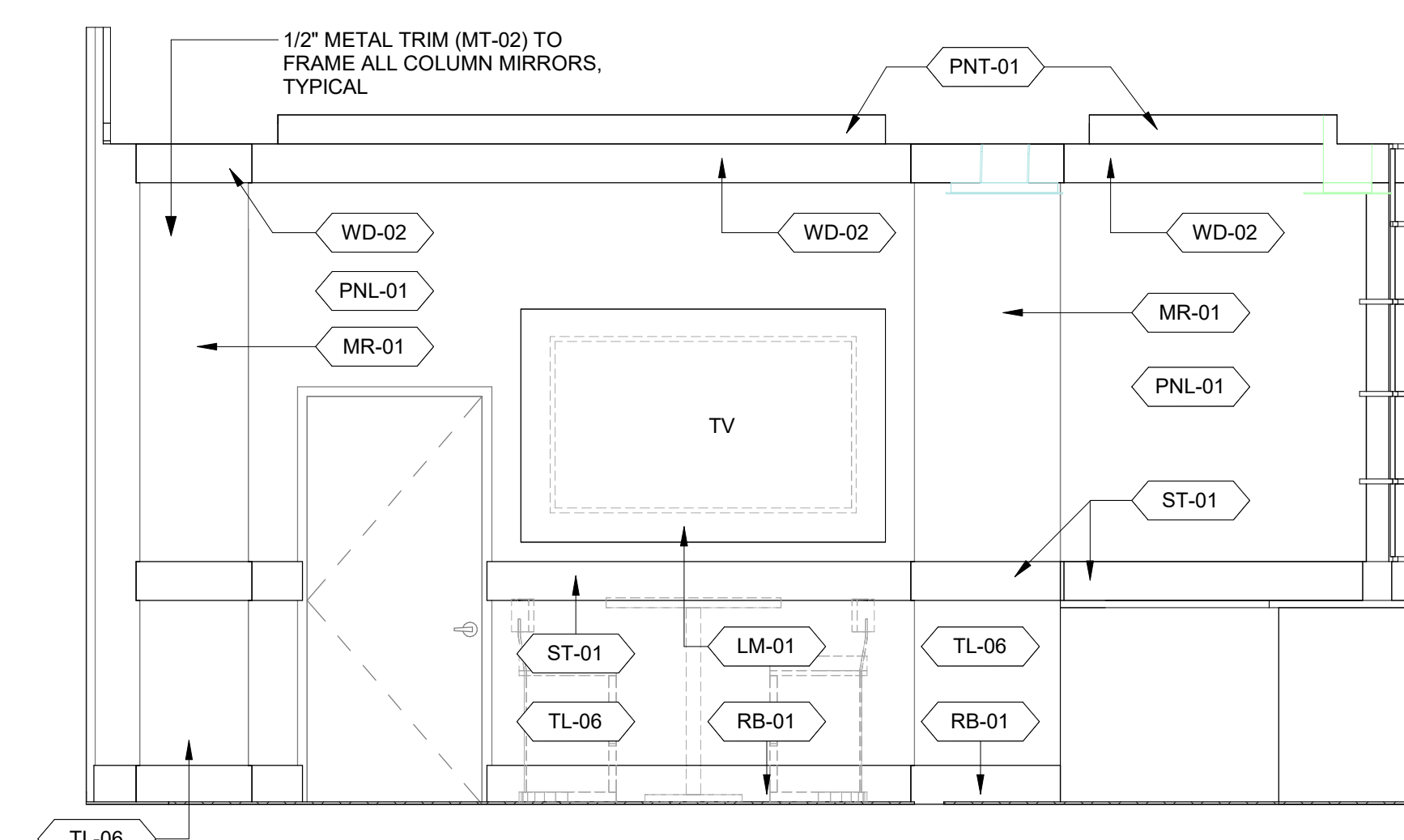
**6 HOSTESS STAND FRONT VIEW**  
ID-411 SCALE: 1/2" = 1'-0"



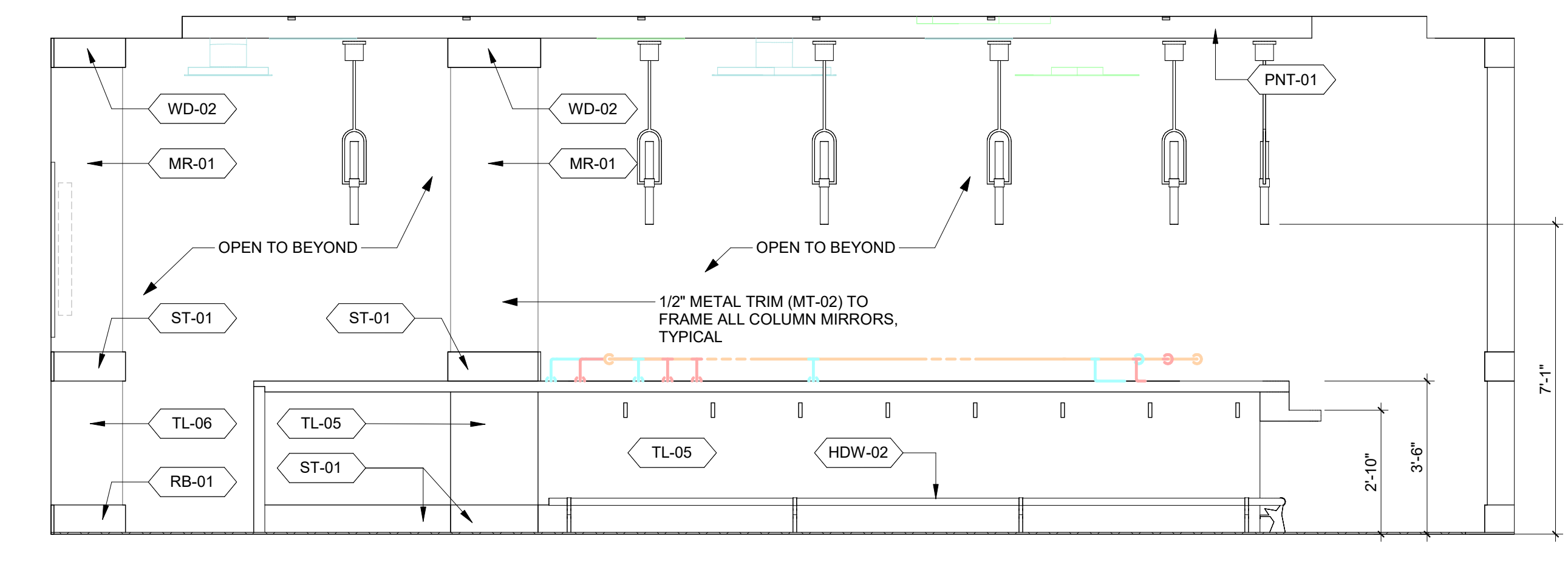
**7 HOSTESS STAND BACK VIEW**  
ID-411 SCALE: 1/2" = 1'-0"



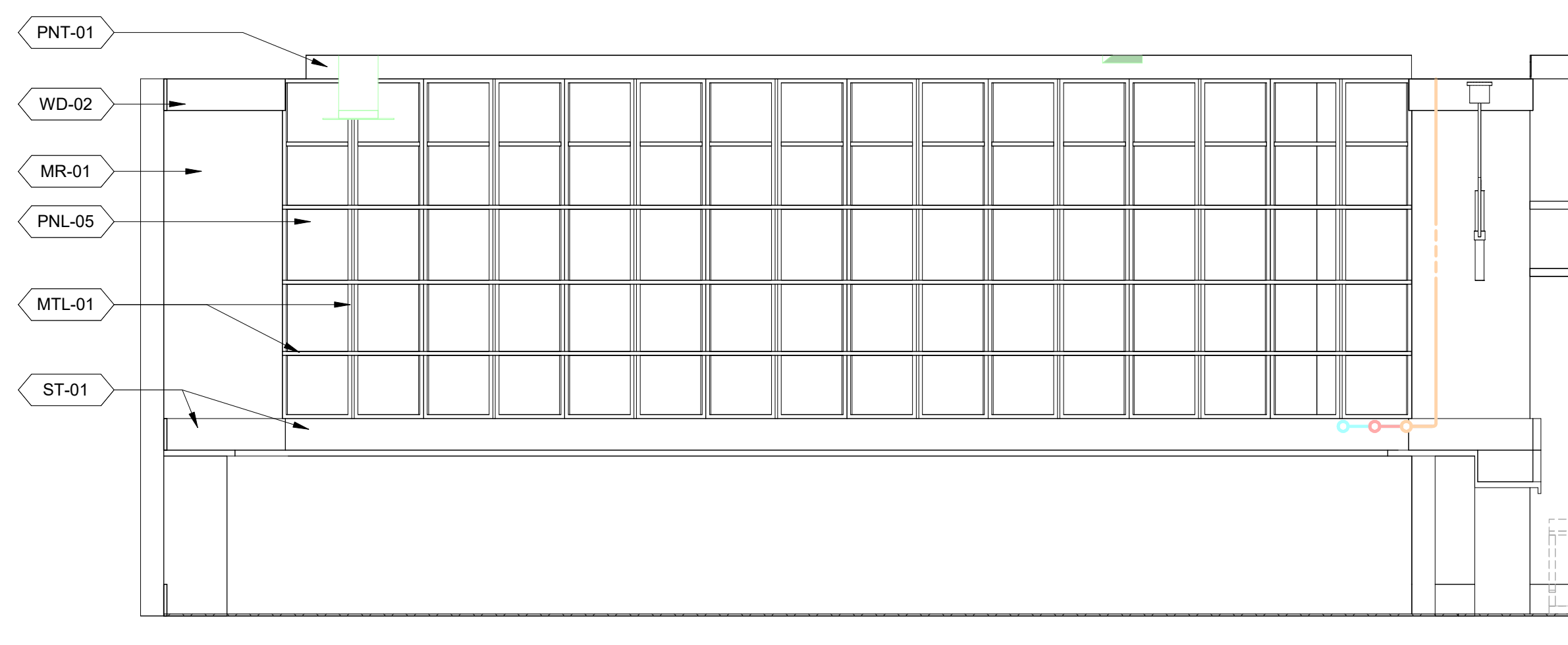
**4 ELEVATION - BAR SOUTH**  
ID-410 ID-411 SCALE: 3/8" = 1'-0"



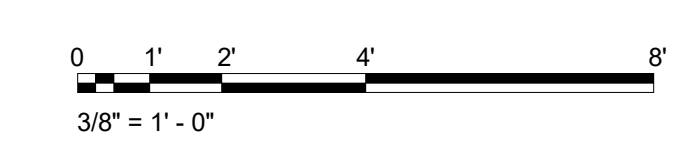
**2 ELEVATION - BAR WEST**  
ID-410 ID-411 SCALE: 3/8" = 1'-0"



**1 ELEVATION - BAR NORTH**  
ID-410 ID-411 SCALE: 3/8" = 1'-0"



**3 ELEVATION - BACK BAR**  
ID-410 ID-411 SCALE: 3/8" = 1'-0"



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NO. DATE DESCRIPTION

SHEET DESCRIPTION  
BAR DETAILS

50% DESIGN DEVELOPMENT

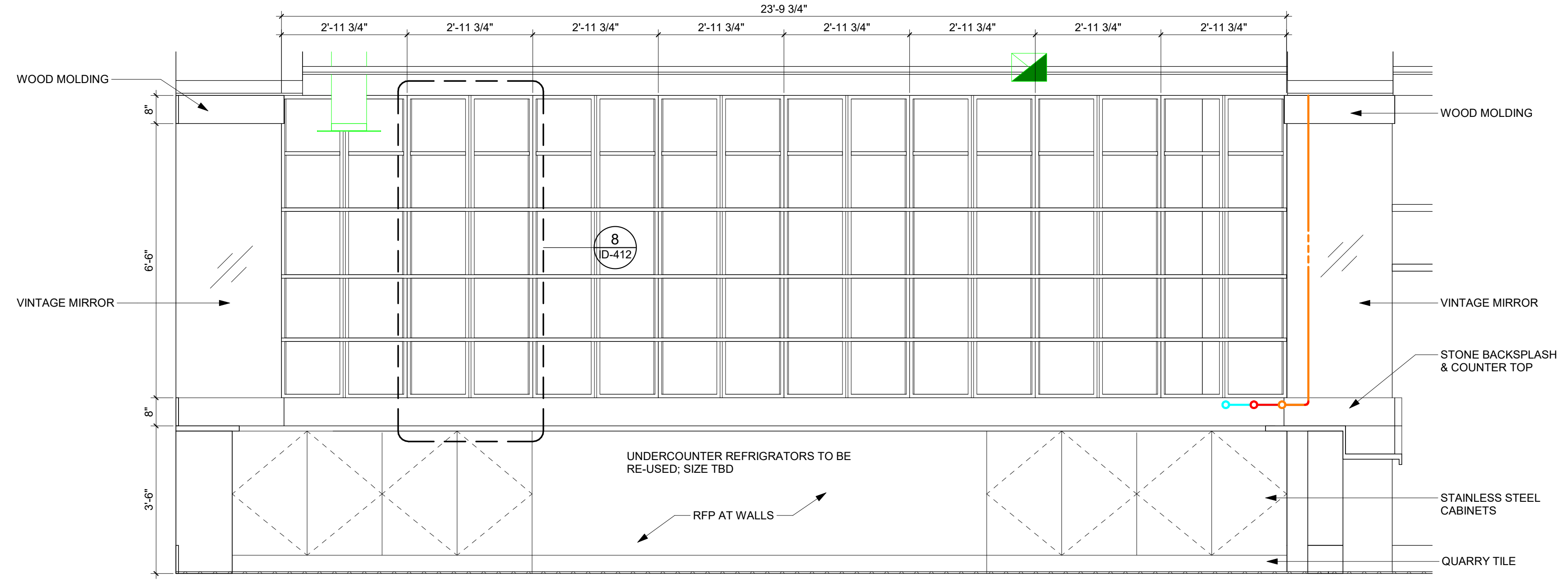
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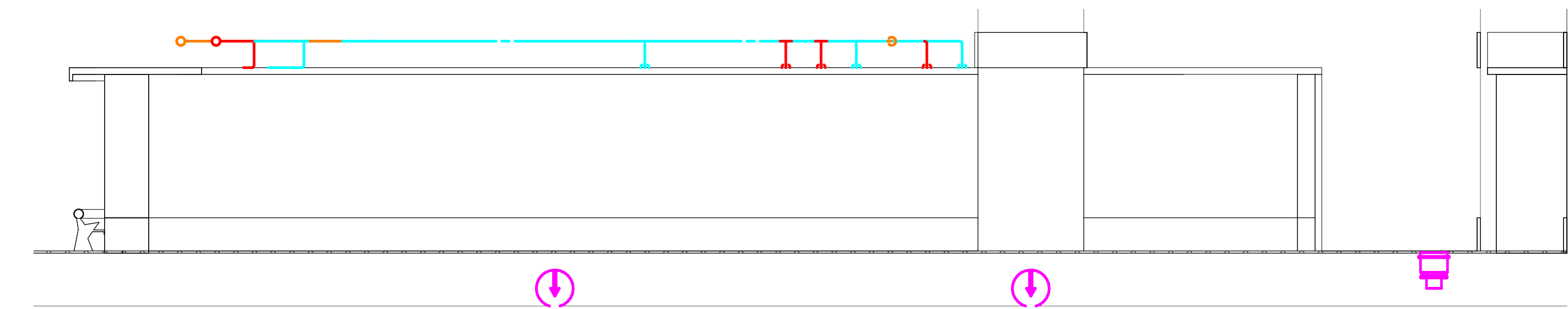
SHEET NUMBER:

**ID-412**



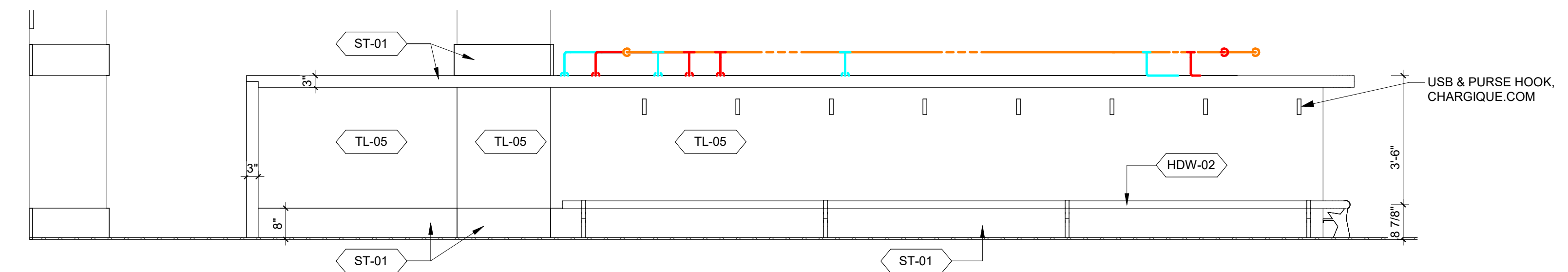
**4 BAR INTERIOR ELEVATION NORTH**

ID-412 ID-412 SCALE: 1/2" = 1'-0"



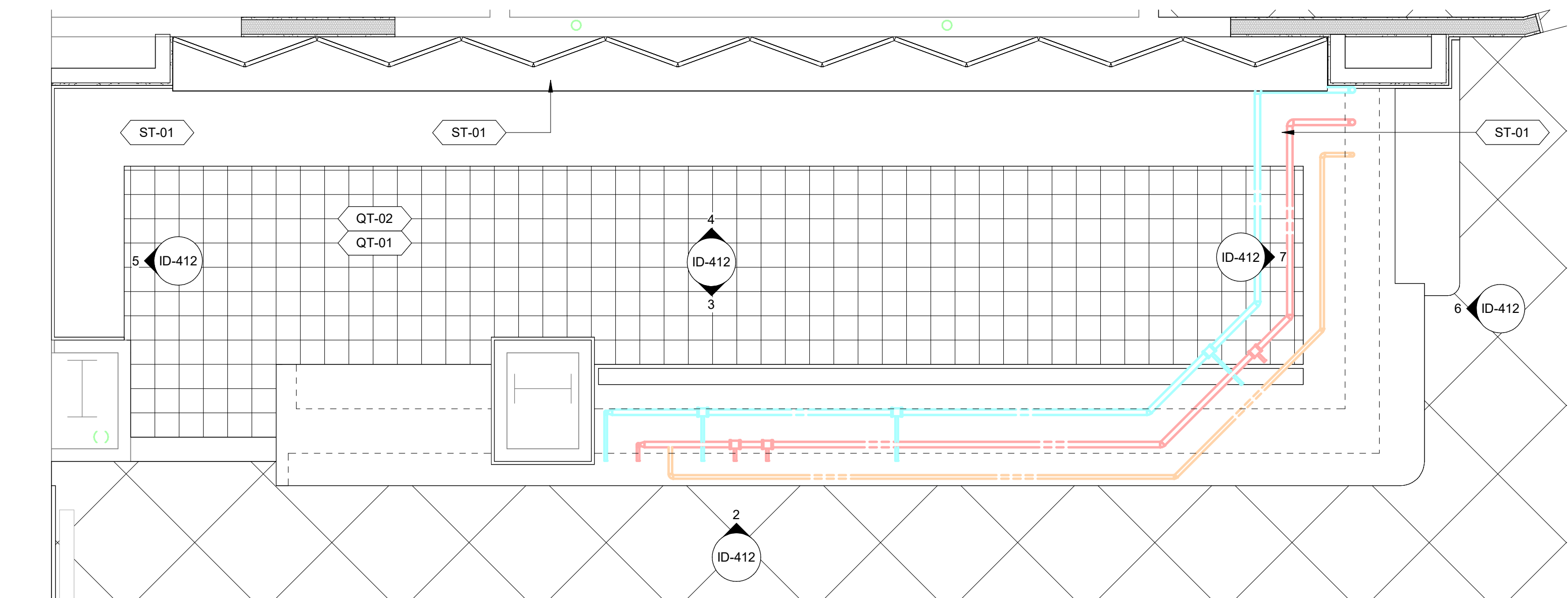
**3 BAR INTERIOR ELEVATION SOUTH**

ID-412 ID-412 SCALE: 1/2" = 1'-0"



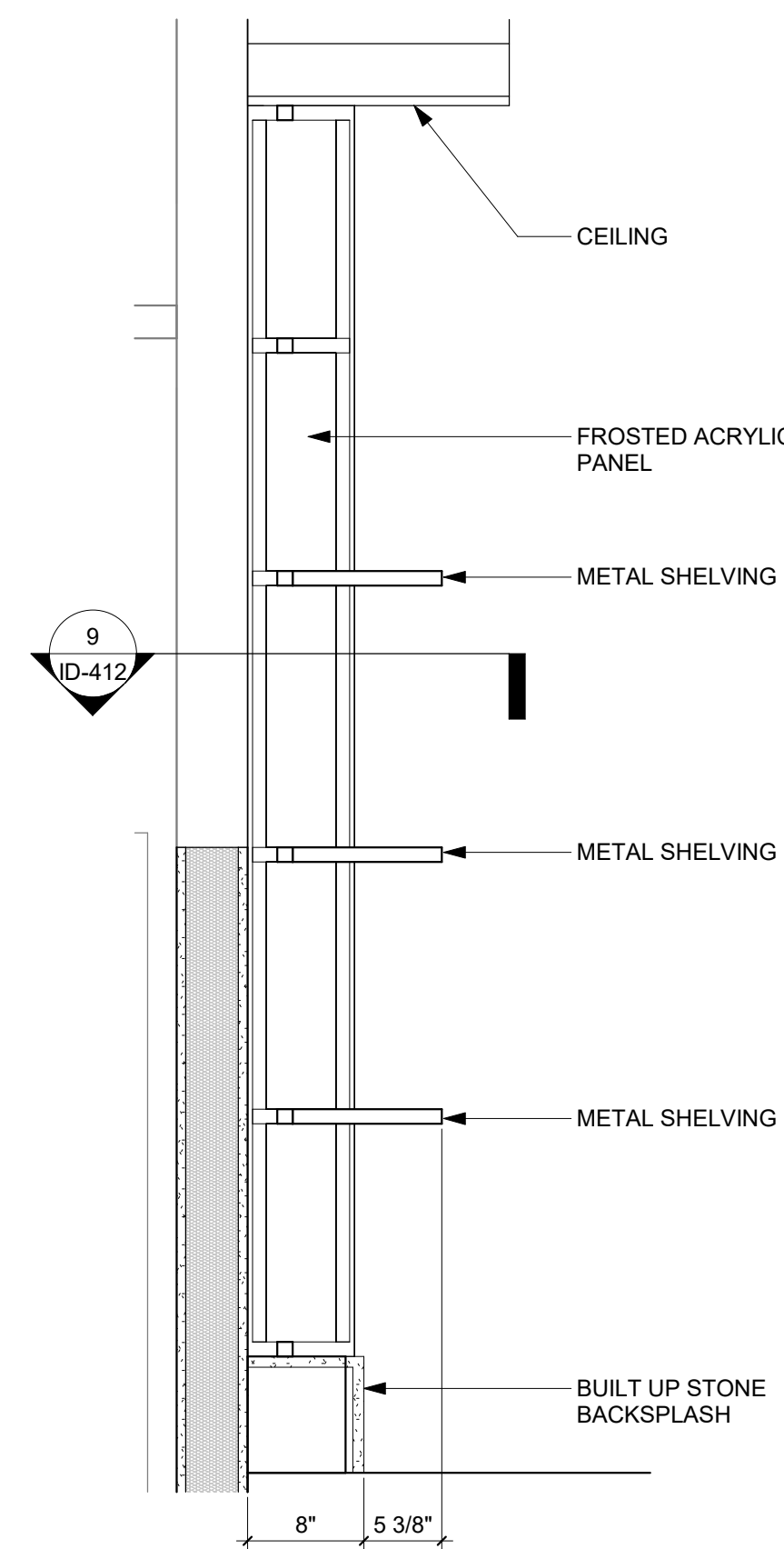
**2 BAR EXTERIOR ELEVATION NORTH**

ID-412 ID-412 SCALE: 1/2" = 1'-0"



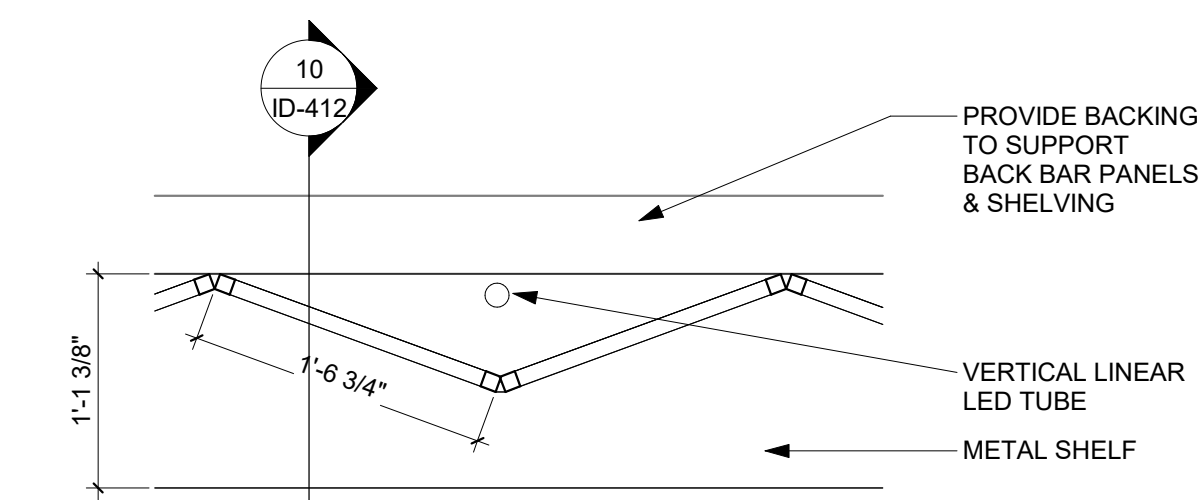
**1 ENLARGED BAR**

ID-410 ID-412 SCALE: 1/2" = 1'-0"



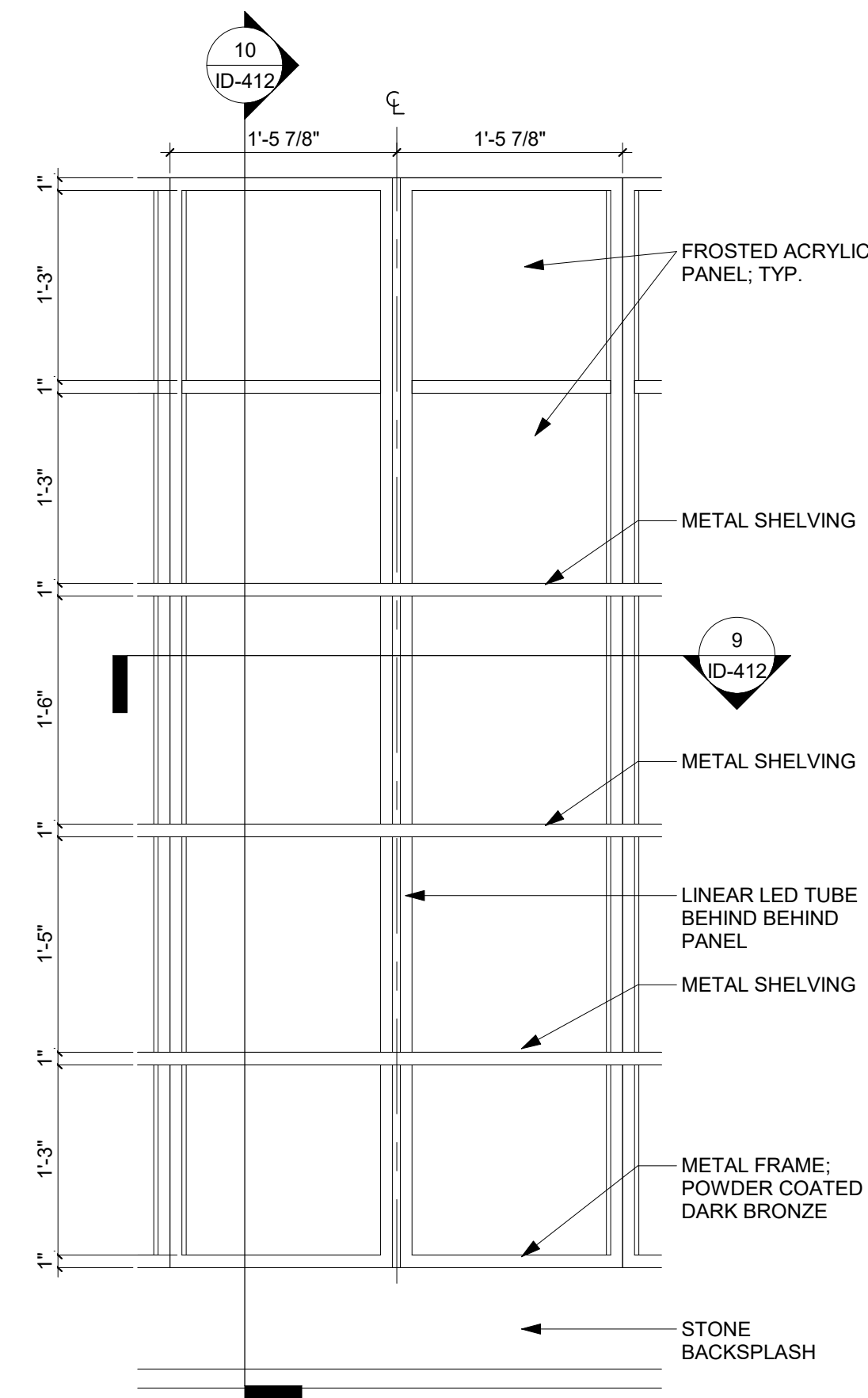
**10 BACK BAR VERTICAL SECTION**

ID-412 SCALE: 1" = 1'-0"



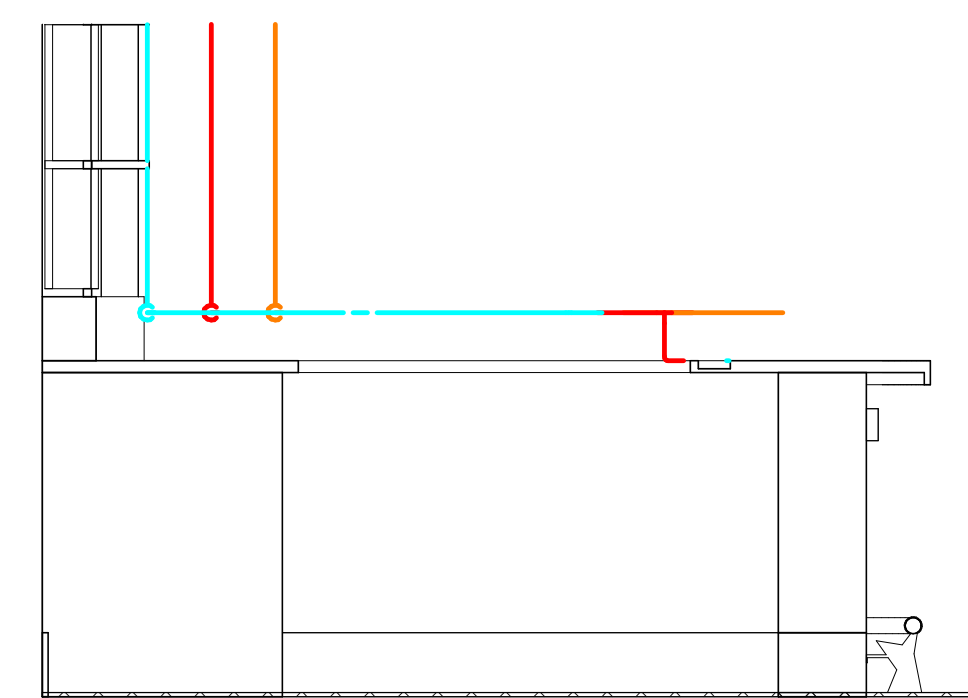
**9 BACK BAR HORIZONTAL SECTION**

ID-412 SCALE: 1" = 1'-0"



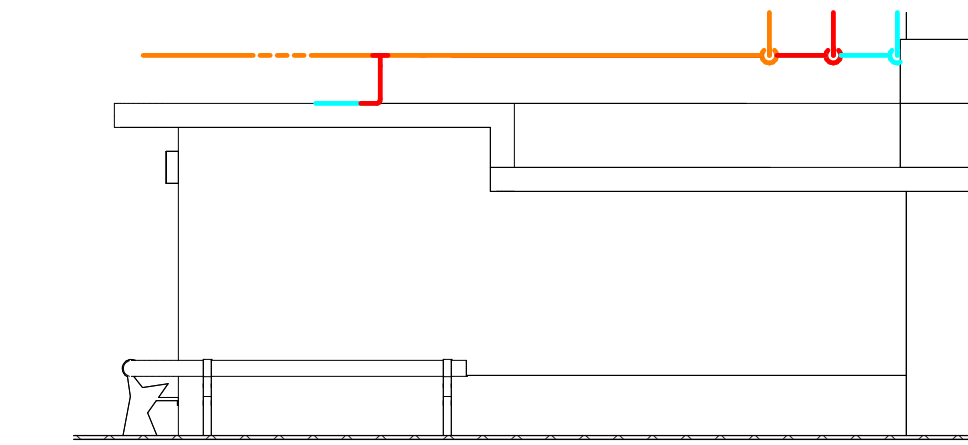
**8 ELEVATION - BACK BAR PANEL**

ID-412 SCALE: 1" = 1'-0"



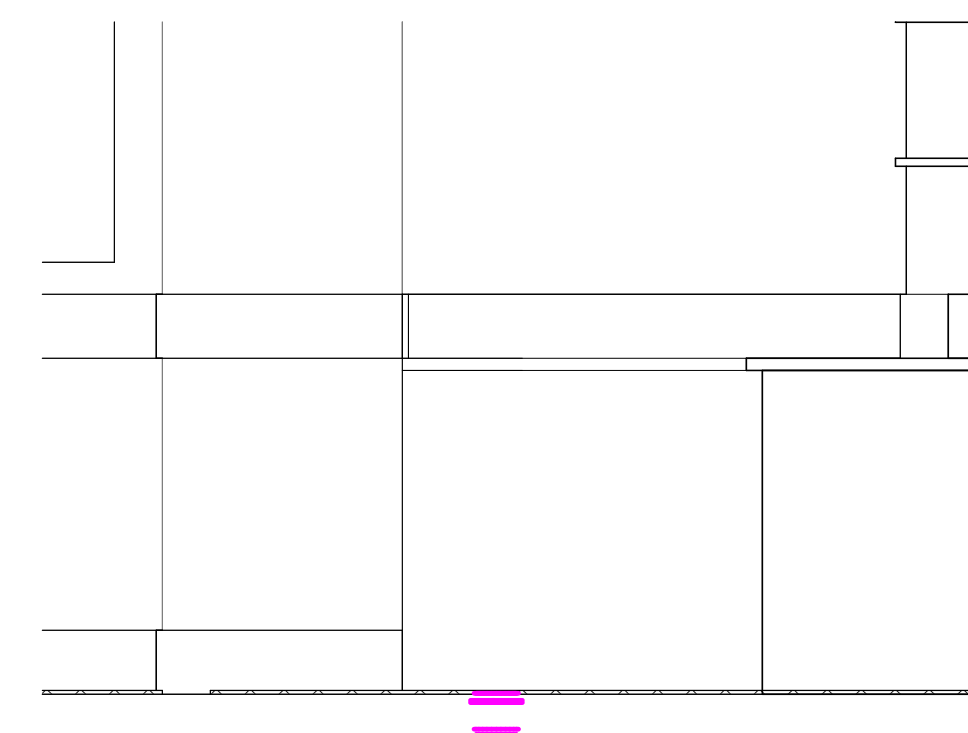
**7 BAR INTERIOR ELEVATION WEST**

ID-412 ID-412 SCALE: 1/2" = 1'-0"



**6 BAR EXTERIOR ELEVATION EAST**

ID-412 ID-412 SCALE: 1/2" = 1'-0"



**5 BAR INTERIOR ELEVATION EAST**

ID-412 ID-412 SCALE: 1/2" = 1'-0"

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REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**DINING ROOM**

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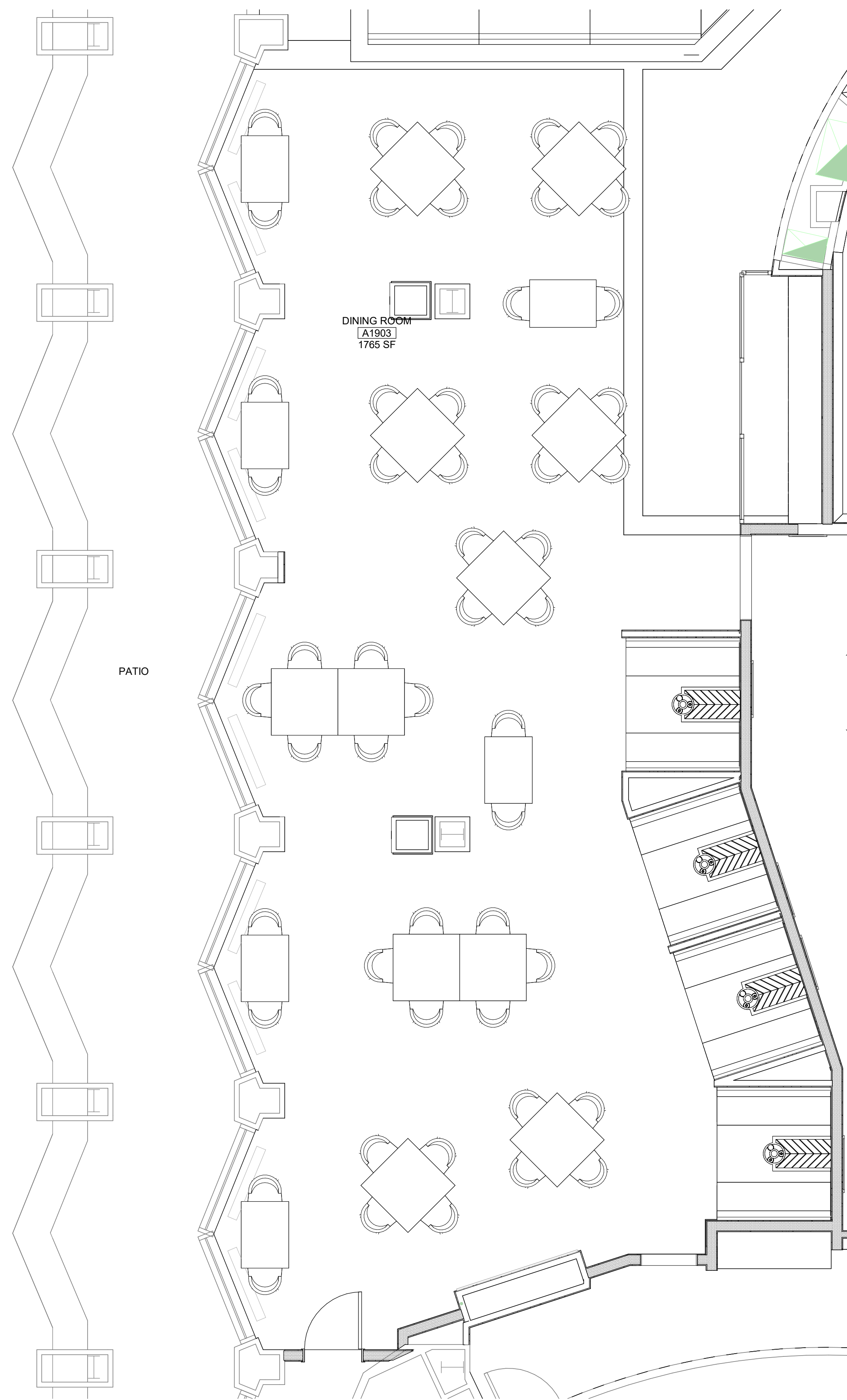
KEY PLAN

DRAWING SCALE: 1/4" = 1'-0"  
WGA PROJECT NUMBER: 23-209

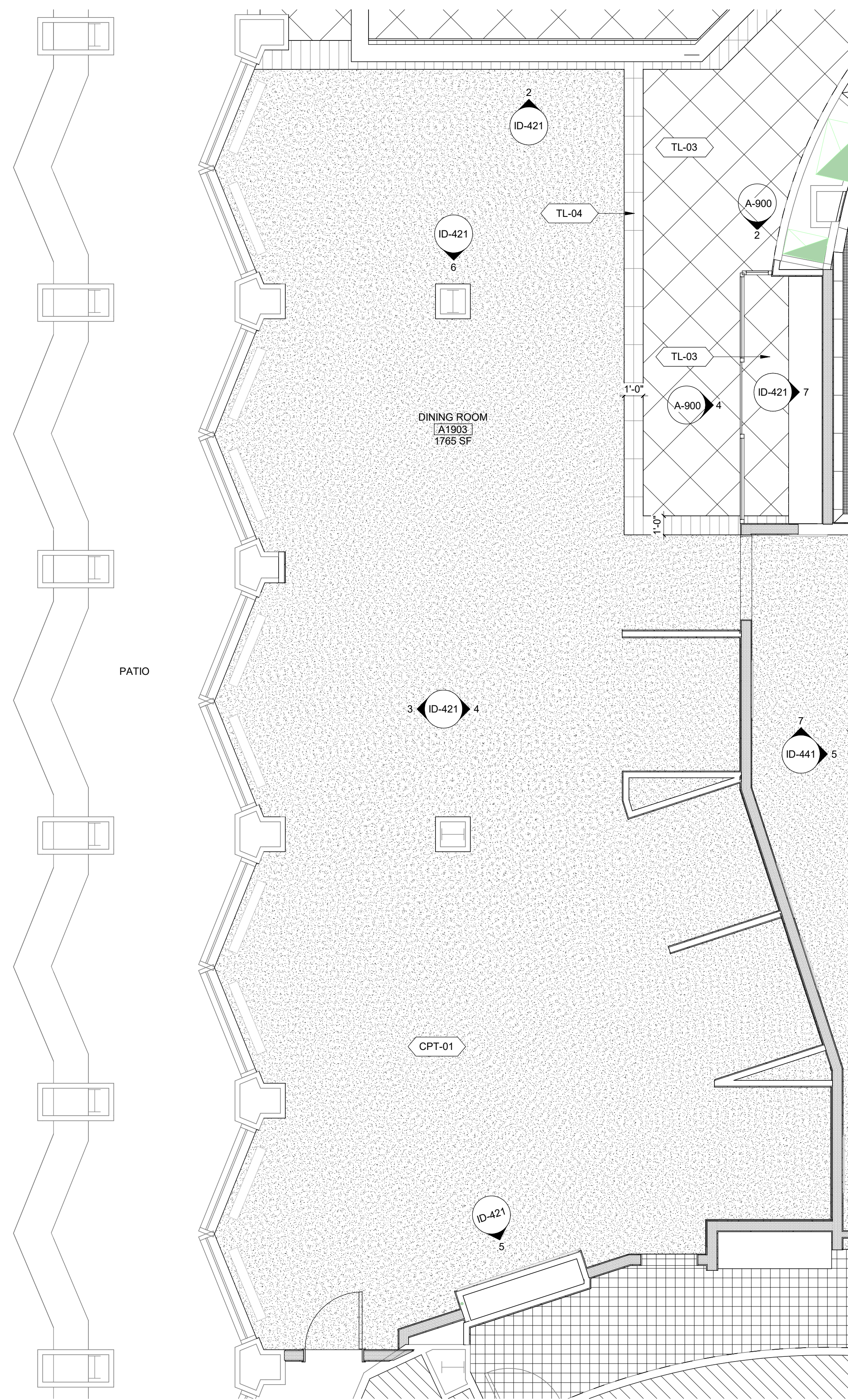
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22 DECEMBER 2023

SHEET NUMBER:

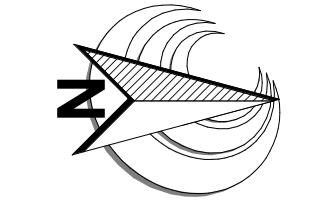
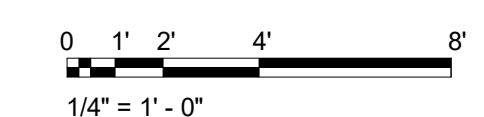
**ID-420**



**2 ENLARGED FF+E PLAN - DINING ROOM**  
A-800 ID-420 SCALE: 1/4" = 1'-0"



**1 ENLARGED FINISH PLAN - DINING ROOM**  
A-800 ID-420 SCALE: 1/4" = 1'-0"



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CHEROKEE NATION  
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REVISIONS		
NO.	DATE	DESCRIPTION

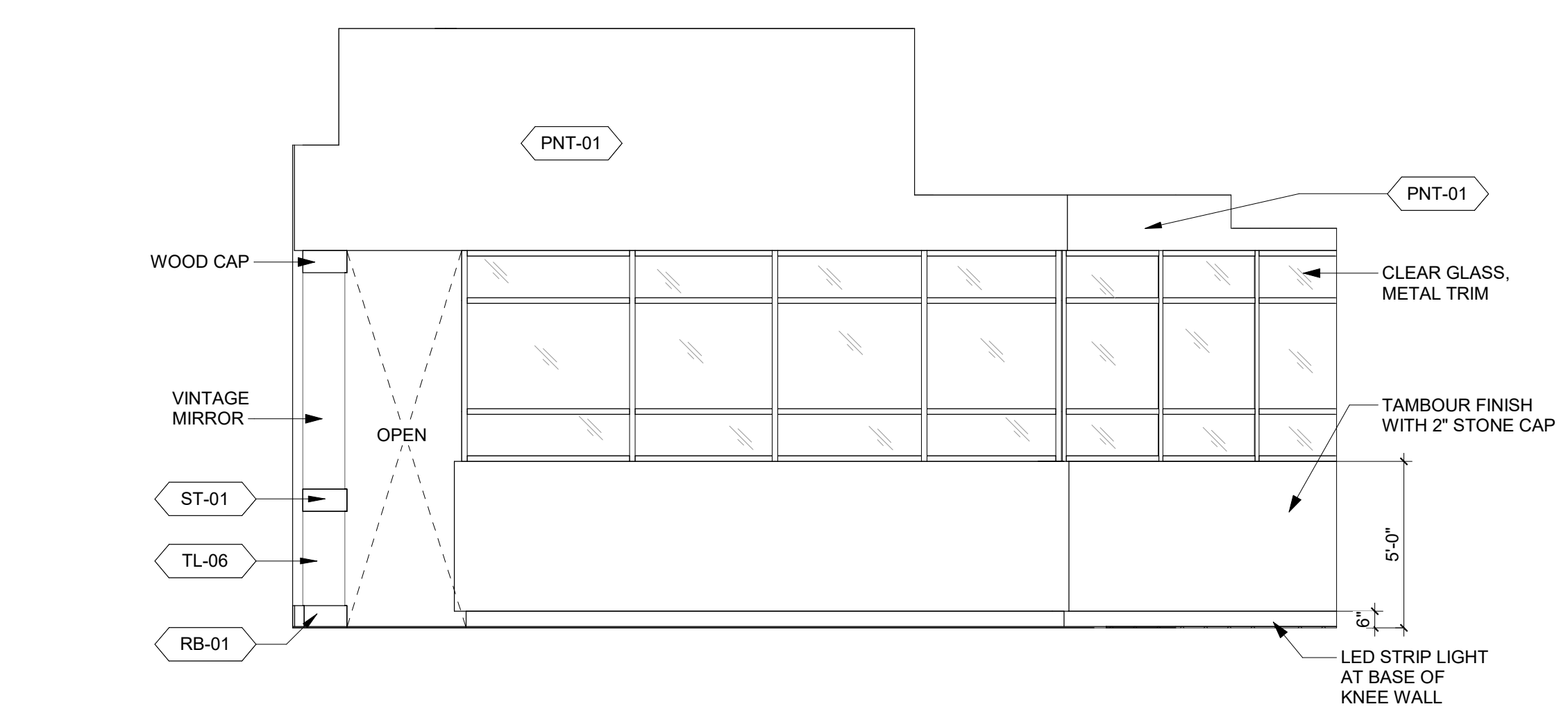
SHEET DESCRIPTION  
**DINING ROOM**  
  
50% DESIGN DEVELOPMENT

KEY PLAN

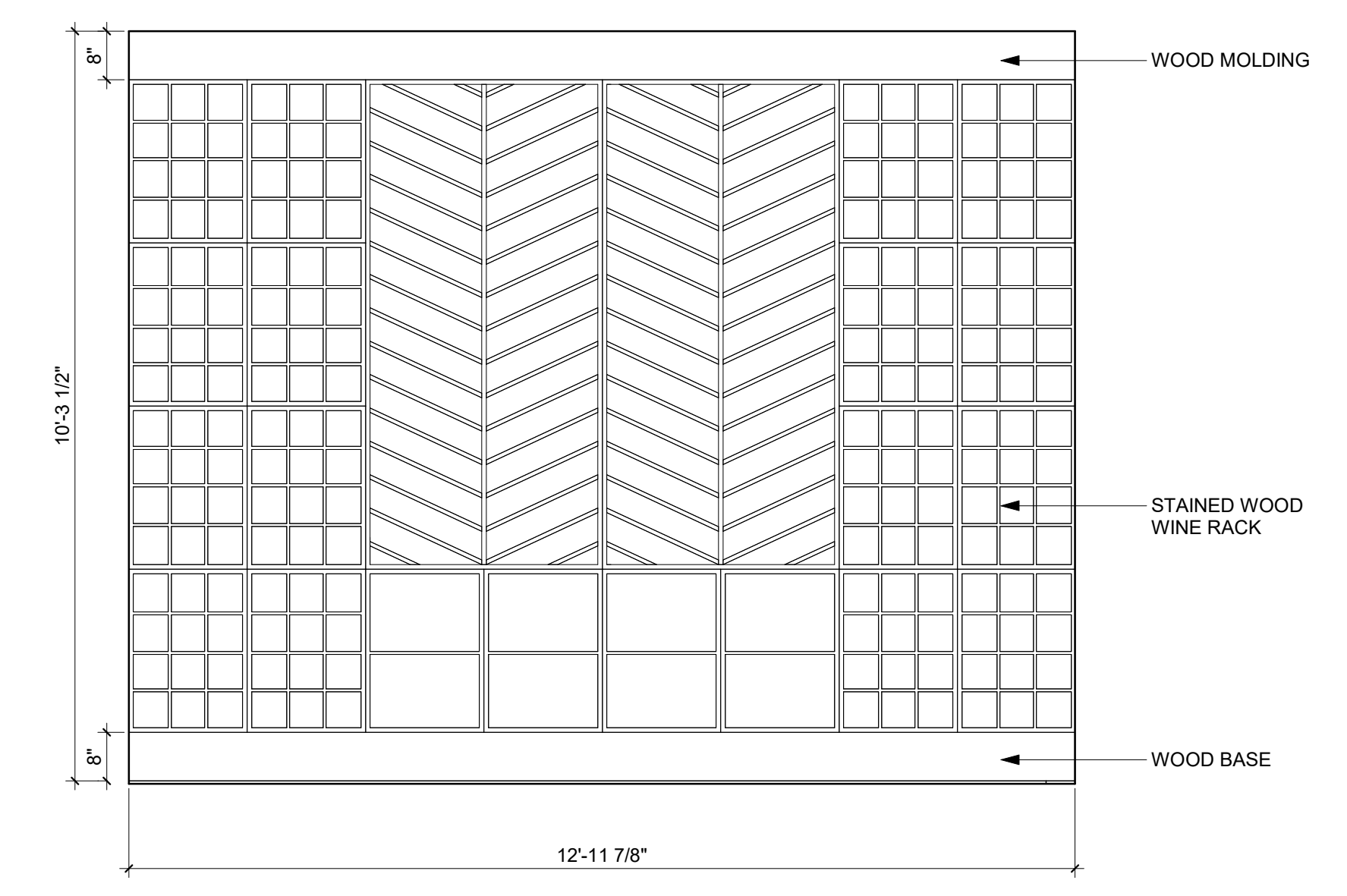
DRAWING SCALE: As indicated  
WGA PROJECT NUMBER: 23-209

PROGRESS DATE: 22 DECEMBER 2023

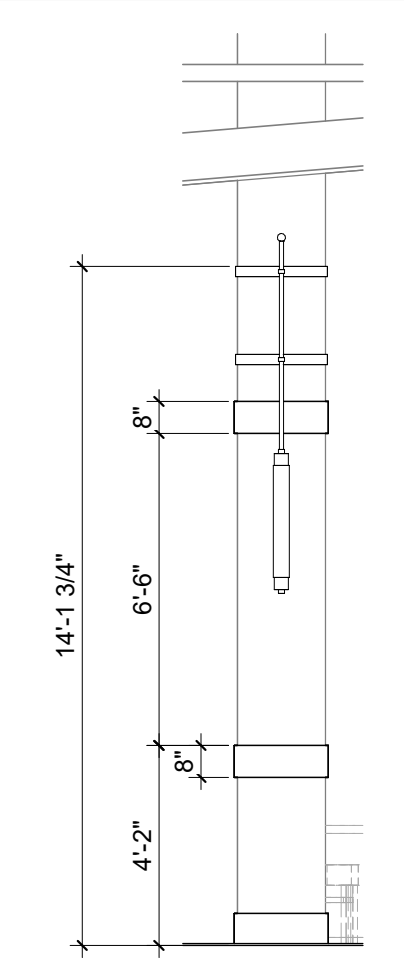
SHEET NUMBER: ID-421



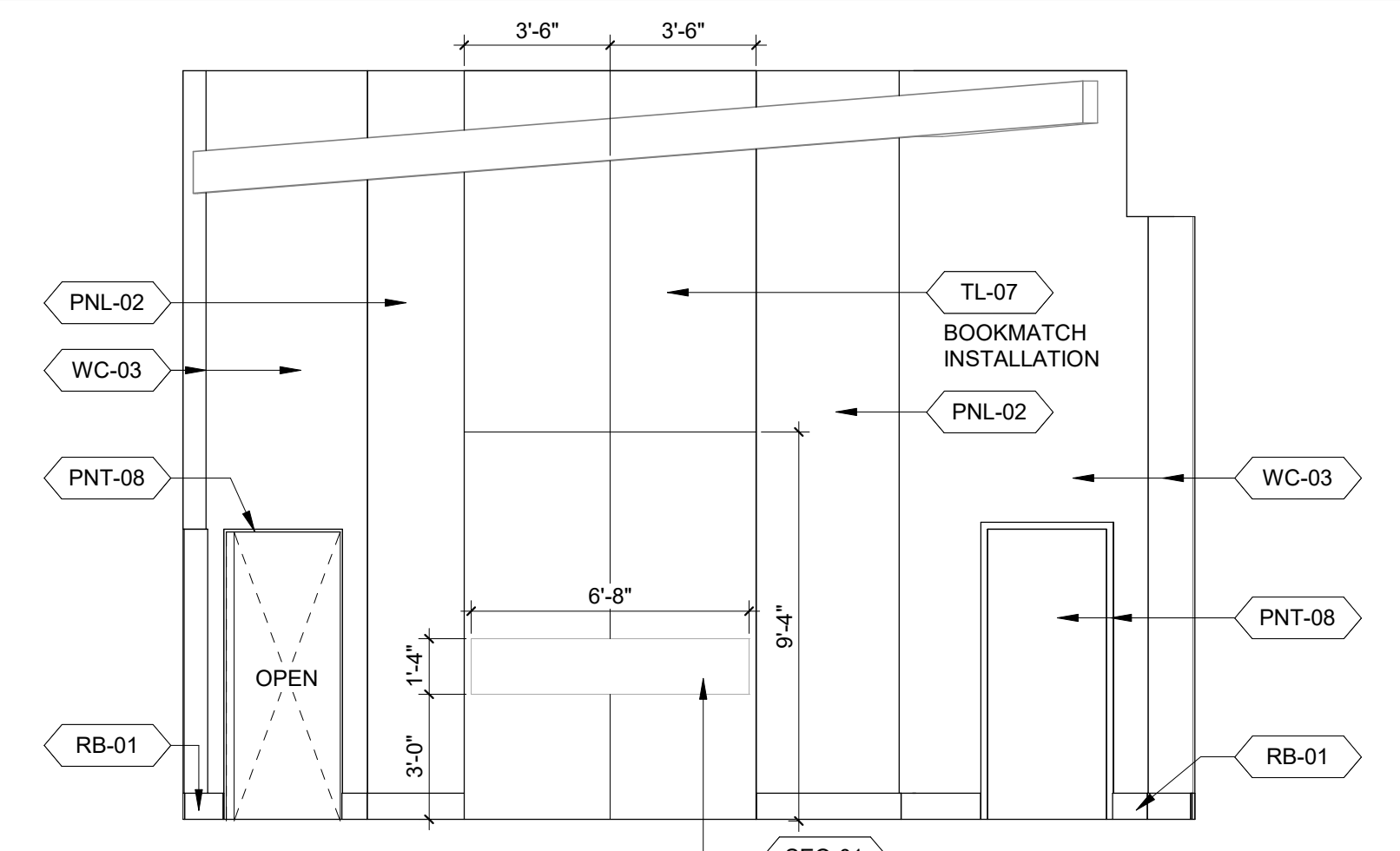
**2 ELEVATION - DINING NORTH**  
ID-410/ID-421 SCALE: 1/4" = 1'-0"



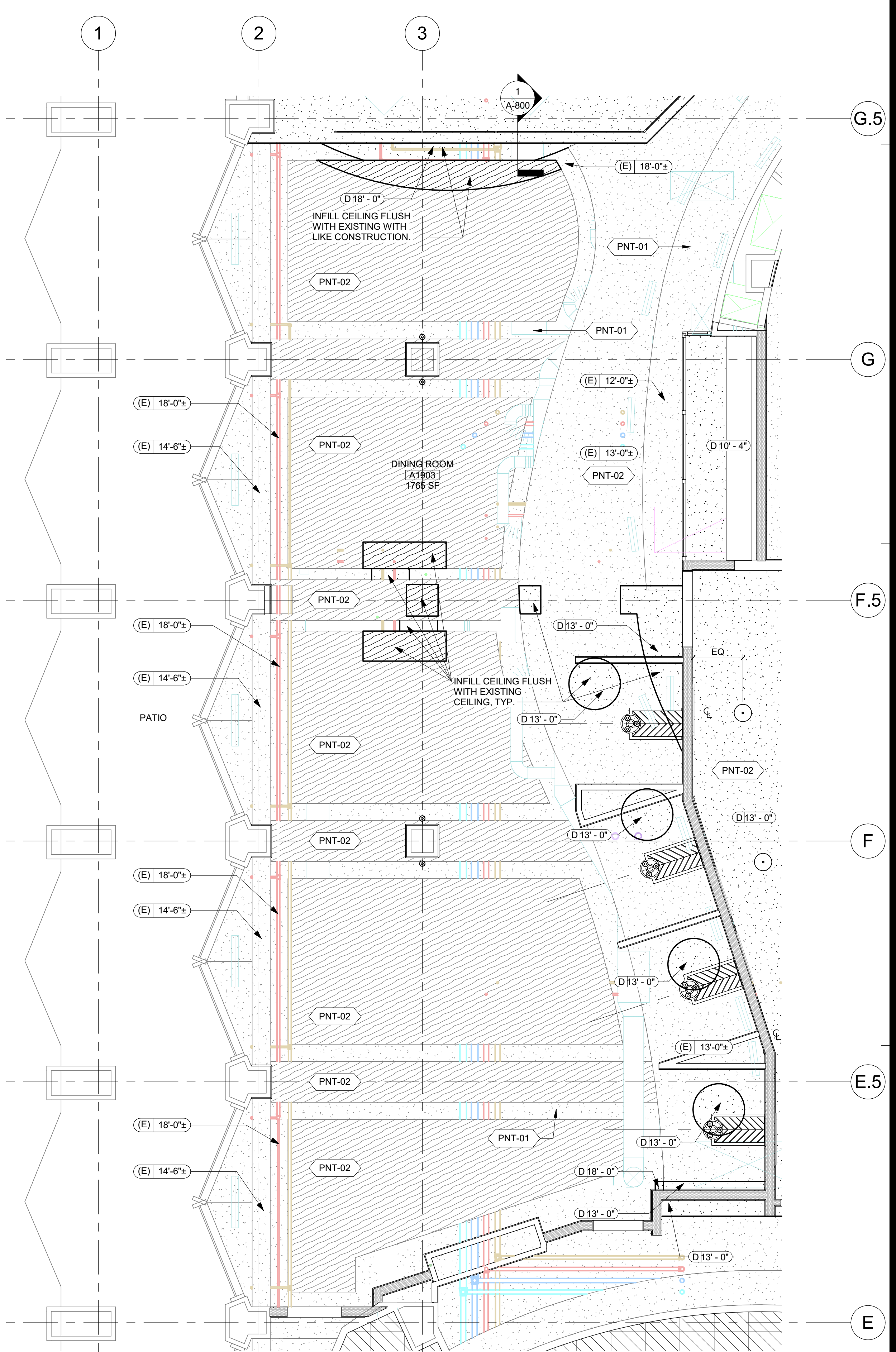
**7 ELEVATION - WINE CELLAR BASIS OF DESIGN**  
ID-421 SCALE: 1/2" = 1'-0"



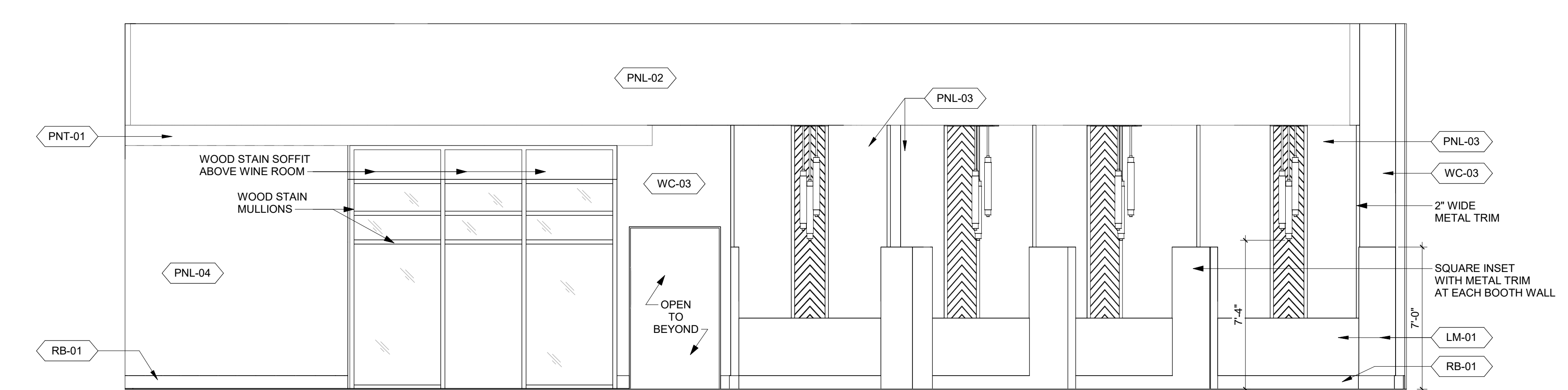
**6 ELEVATION - DINING COLUMN**  
ID-420/ID-421 SCALE: 1/4" = 1'-0"



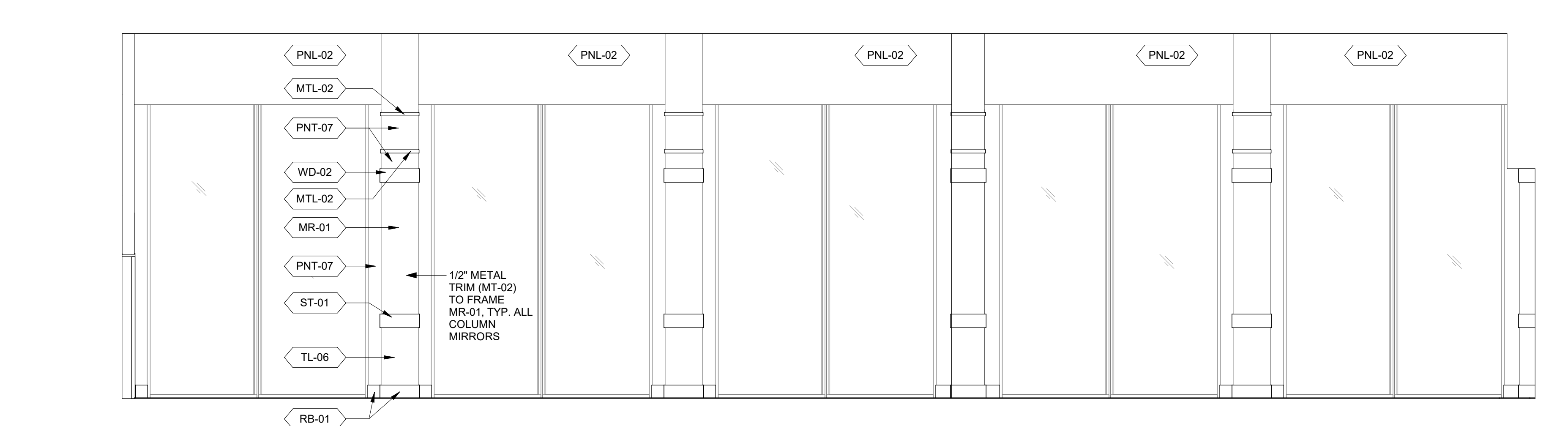
**5 ELEVATION - DINING ROOM SOUTH**  
ID-420/ID-421 SCALE: 1/4" = 1'-0"



**1 ENLARGED RCP - DINING ROOM**  
A-310/ID-421 SCALE: 1/4" = 1'-0"



**4 ELEVATION - DINING ROOM WEST**  
ID-410/ID-421 SCALE: 1/4" = 1'-0"



**3 ELEVATION - DINING ROOM EAST**  
ID-410/ID-421 SCALE: 1/4" = 1'-0"

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SHEET DESCRIPTION  
RESTROOMS

50% DESIGN  
DEVELOPMENT

As indicated

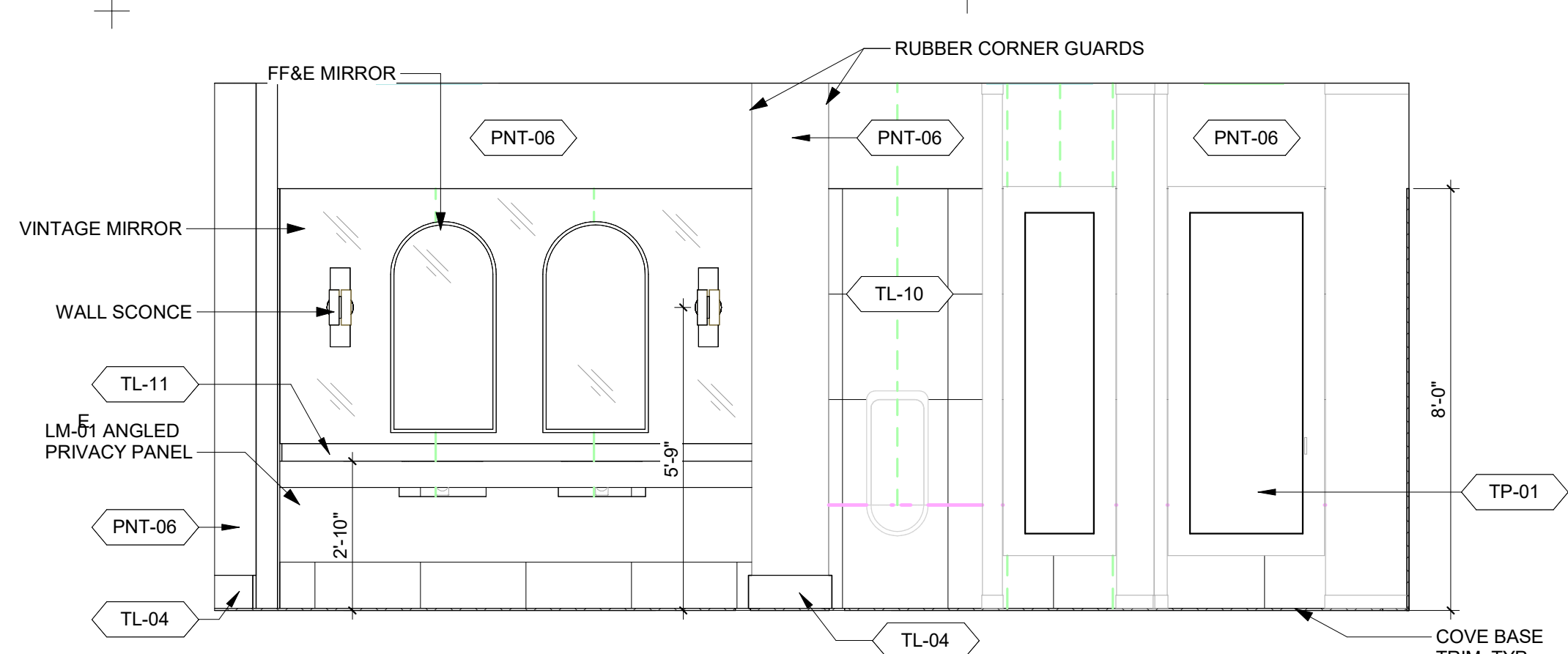
23-209

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22 DECEMBER 2023

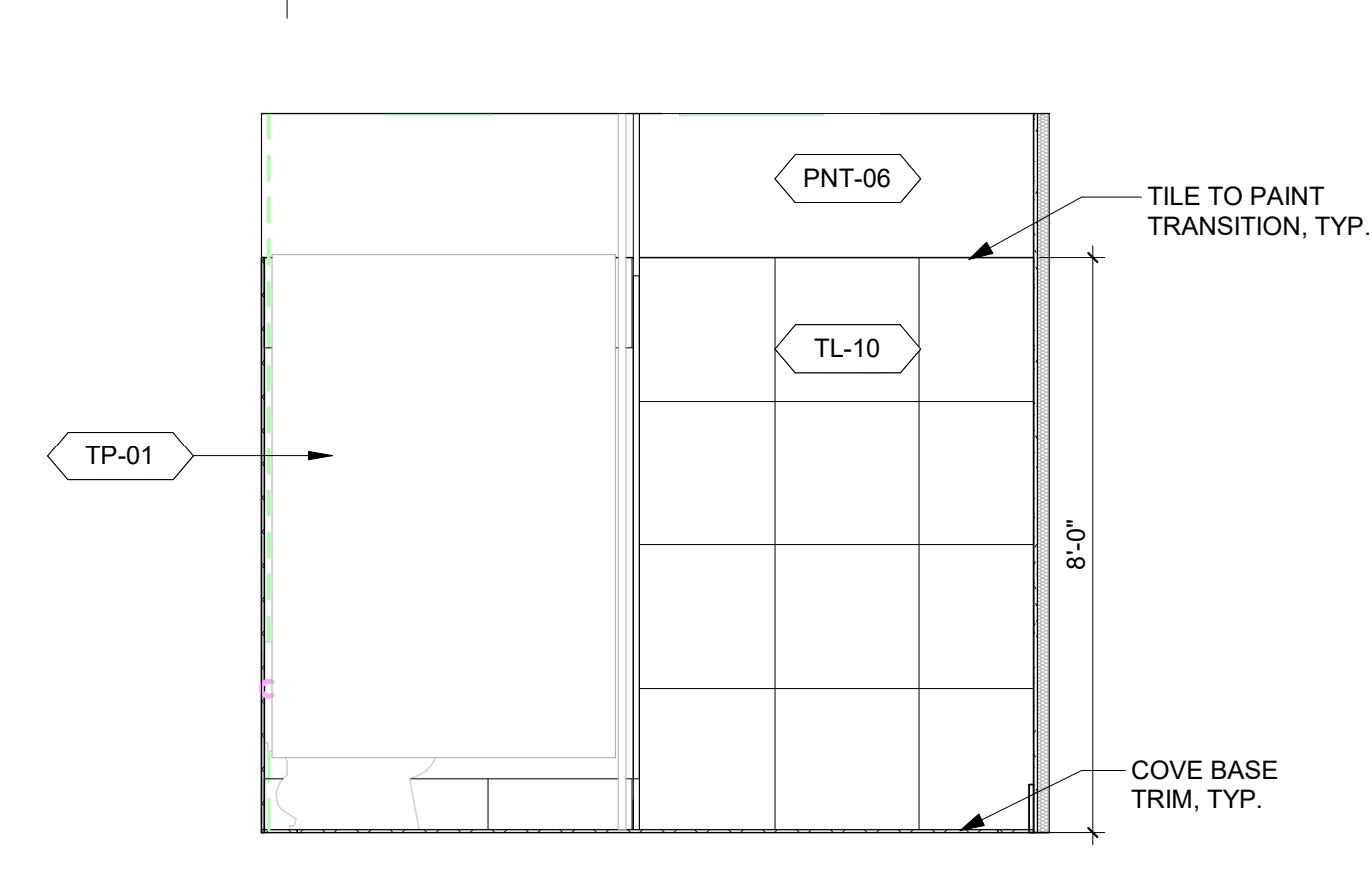
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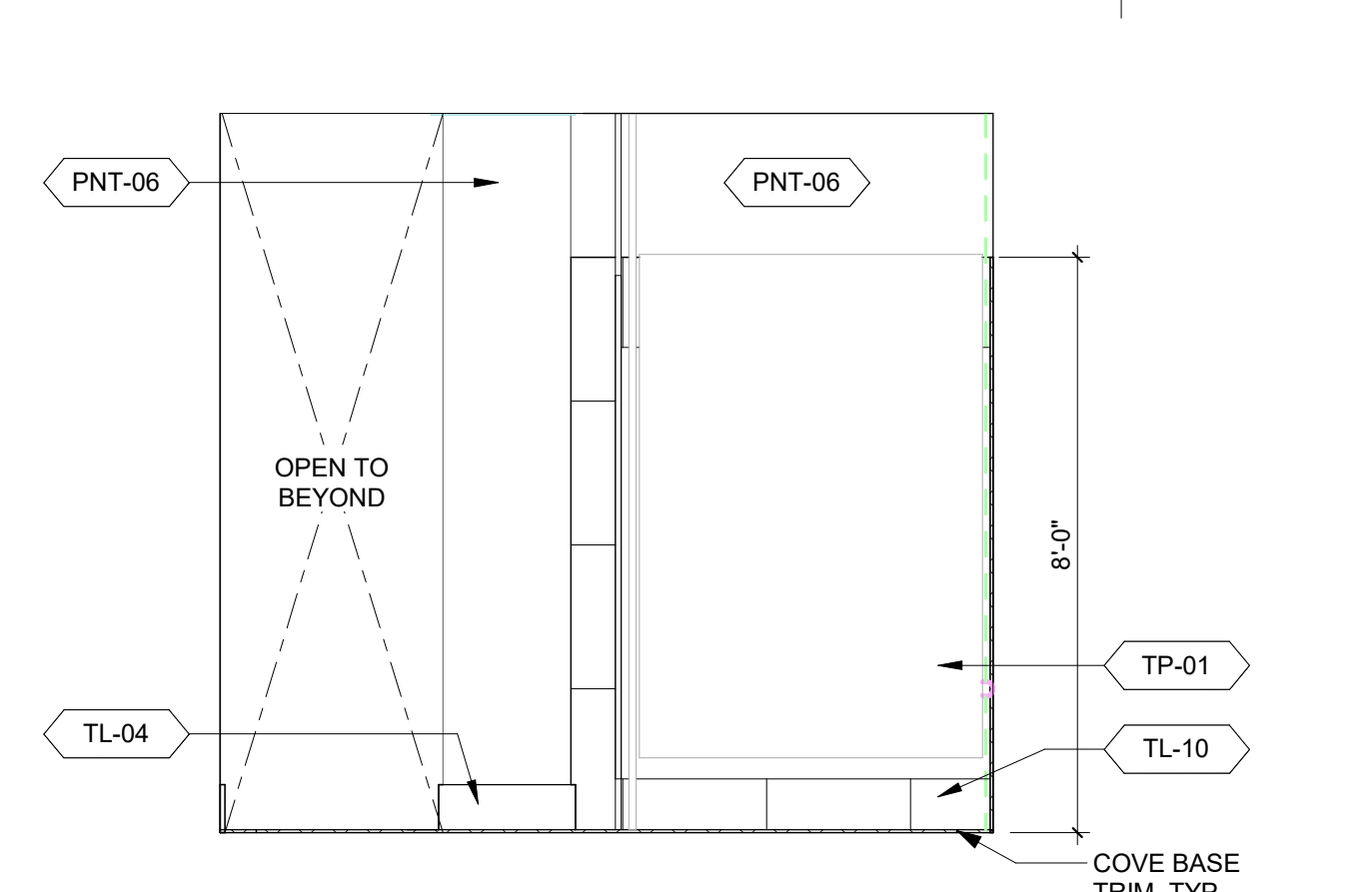
15 ELEVATION - MEN RESTROOM EAST

ID-430 ID-430 SCALE: 3/8" = 1'-0"



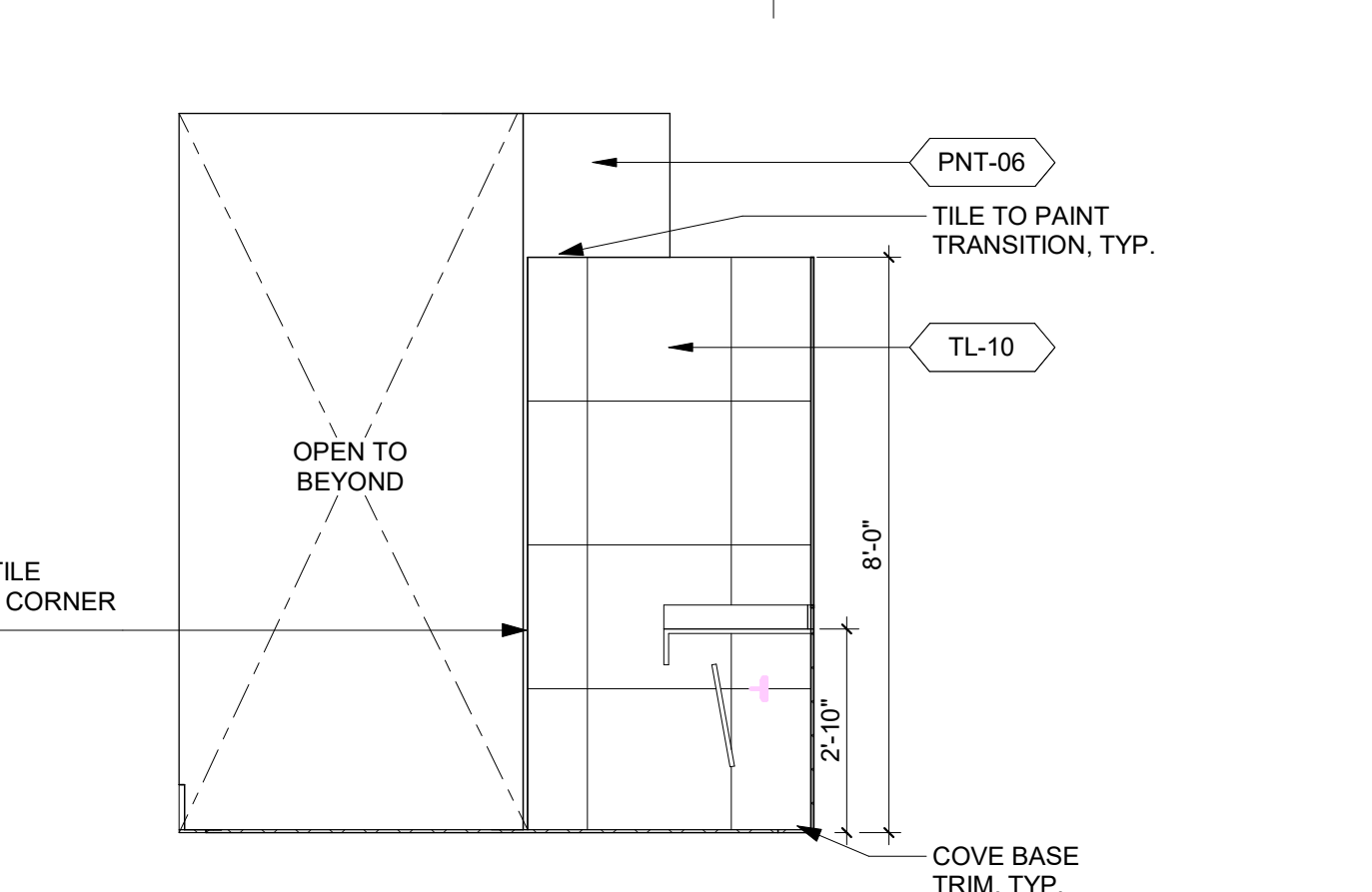
14 ELEVATION - MEN RESTROOM SOUTH

ID-420 ID-430 SCALE: 3/8" = 1'-0"



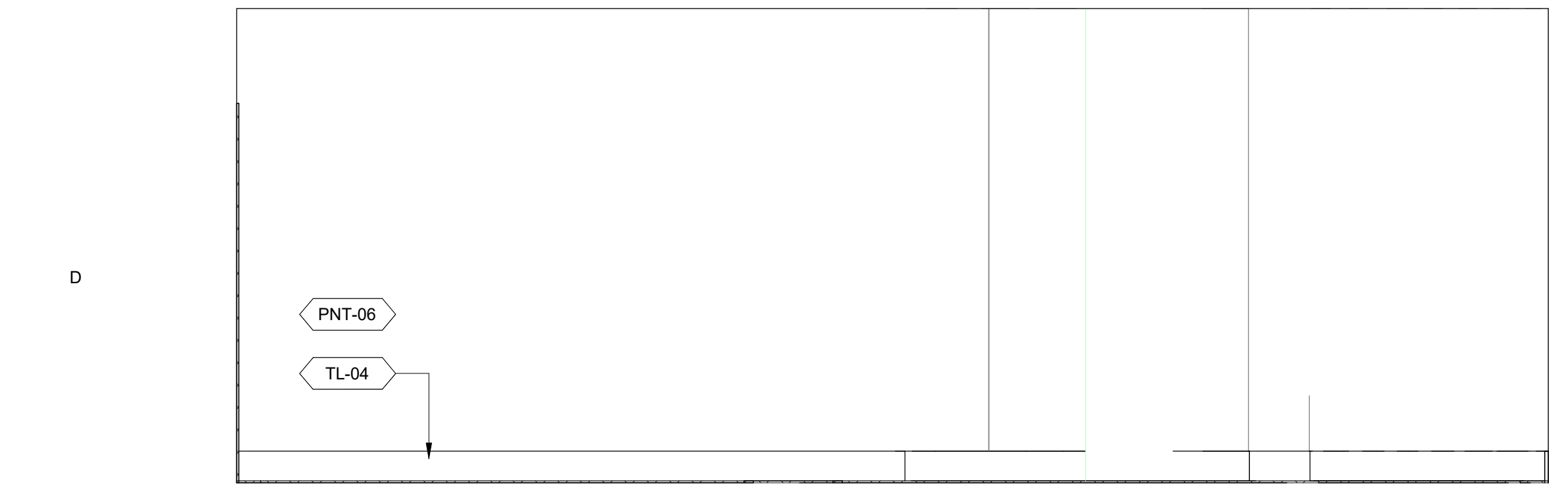
13 ELEVATION - MEN RESTROOM NORTH

ID-420 ID-430 SCALE: 3/8" = 1'-0"



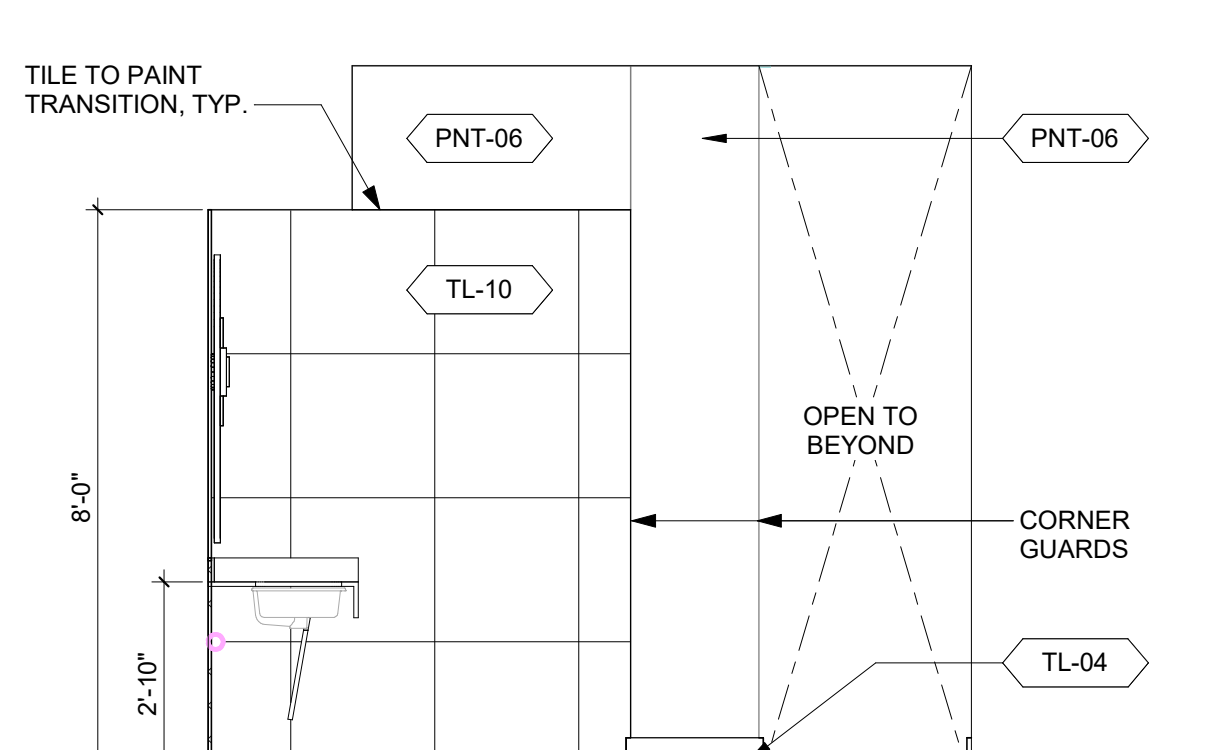
11 ELEVATION - MEN VANITY NORTH

ID-430 ID-430 SCALE: 3/8" = 1'-0"



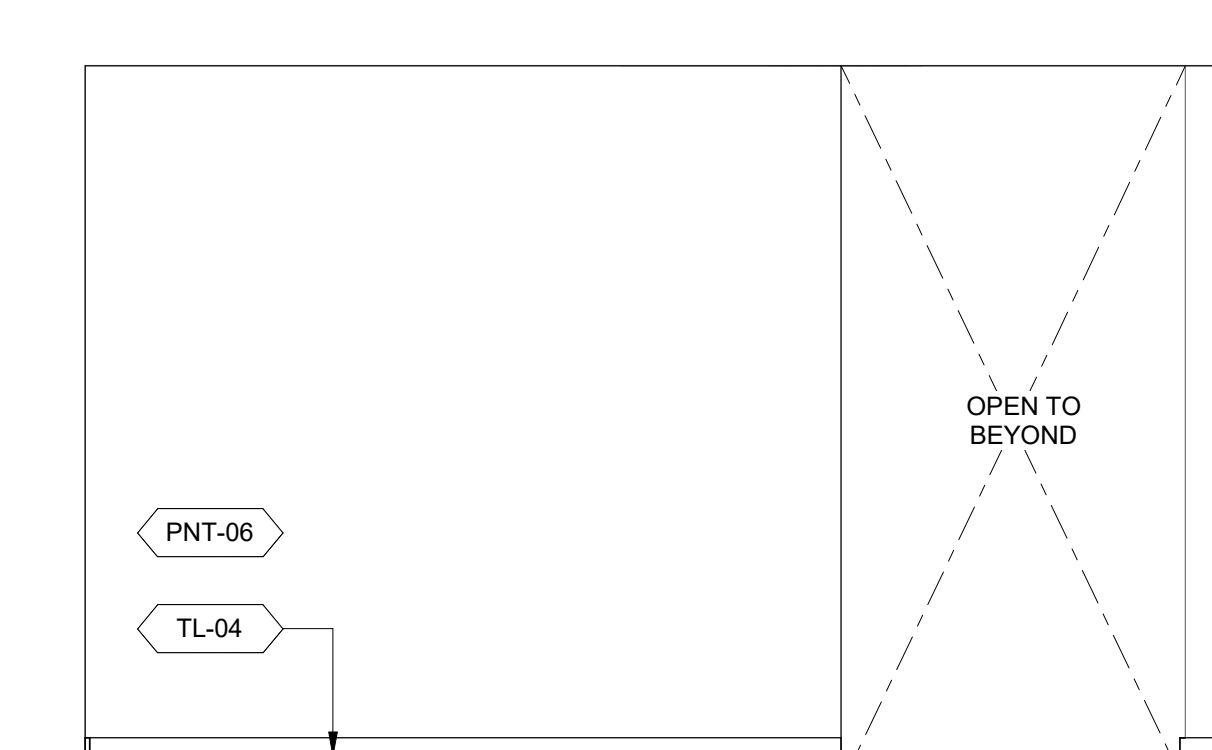
12 ELEVATION - MEN RESTROOM WEST

ID-410 ID-430 SCALE: 3/8" = 1'-0"



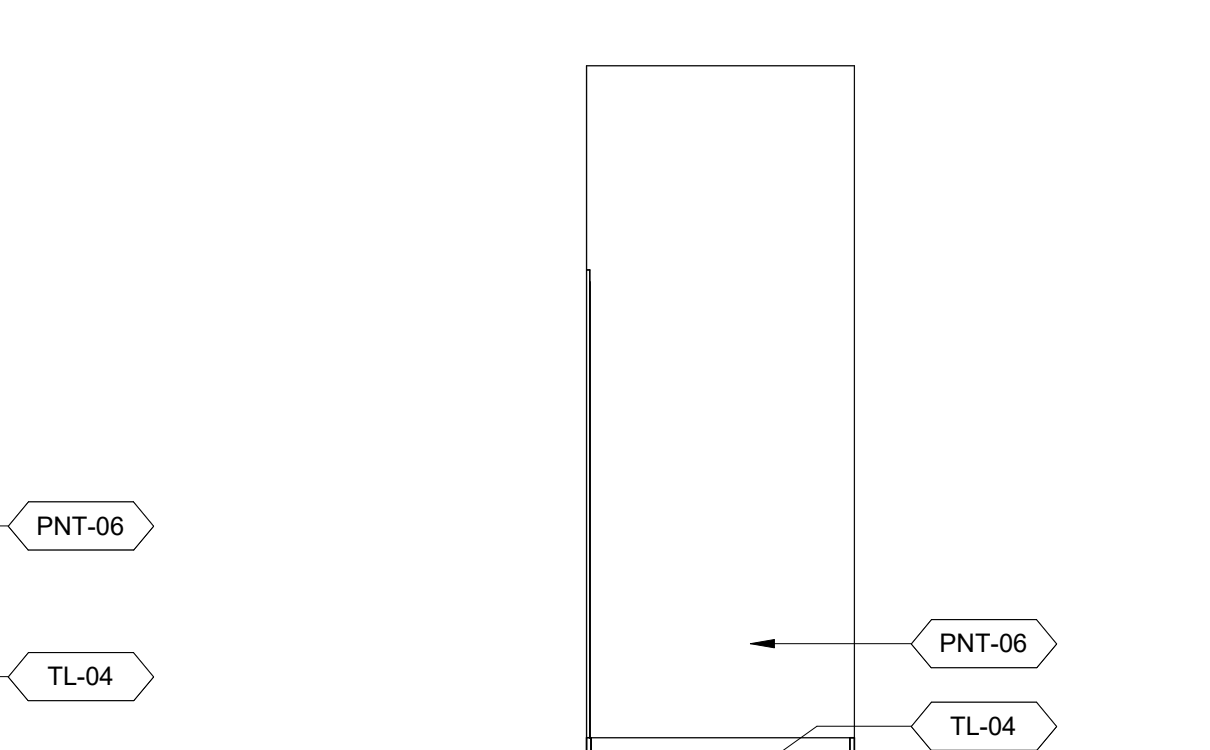
10 ELEVATION - MEN VANITY SOUTH

ID-420 ID-430 SCALE: 3/8" = 1'-0"



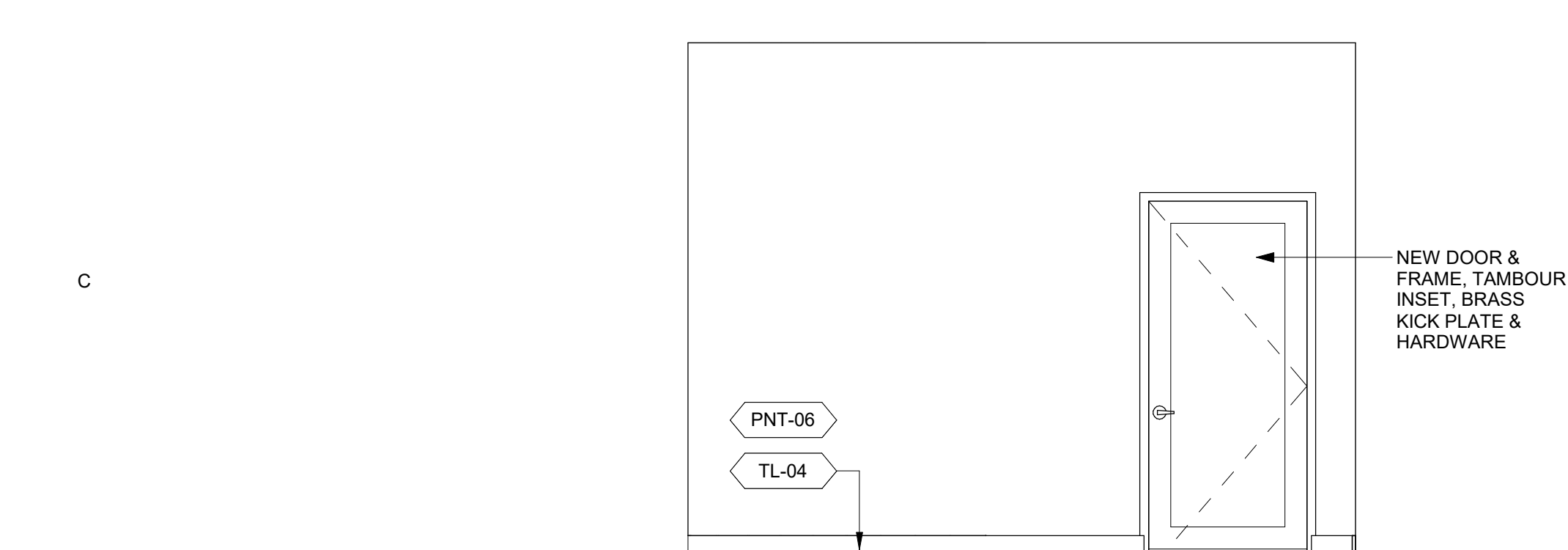
9 ELEVATION - MEN RESTROOM ENTRY SOUTH

ID-420 ID-430 SCALE: 3/8" = 1'-0"



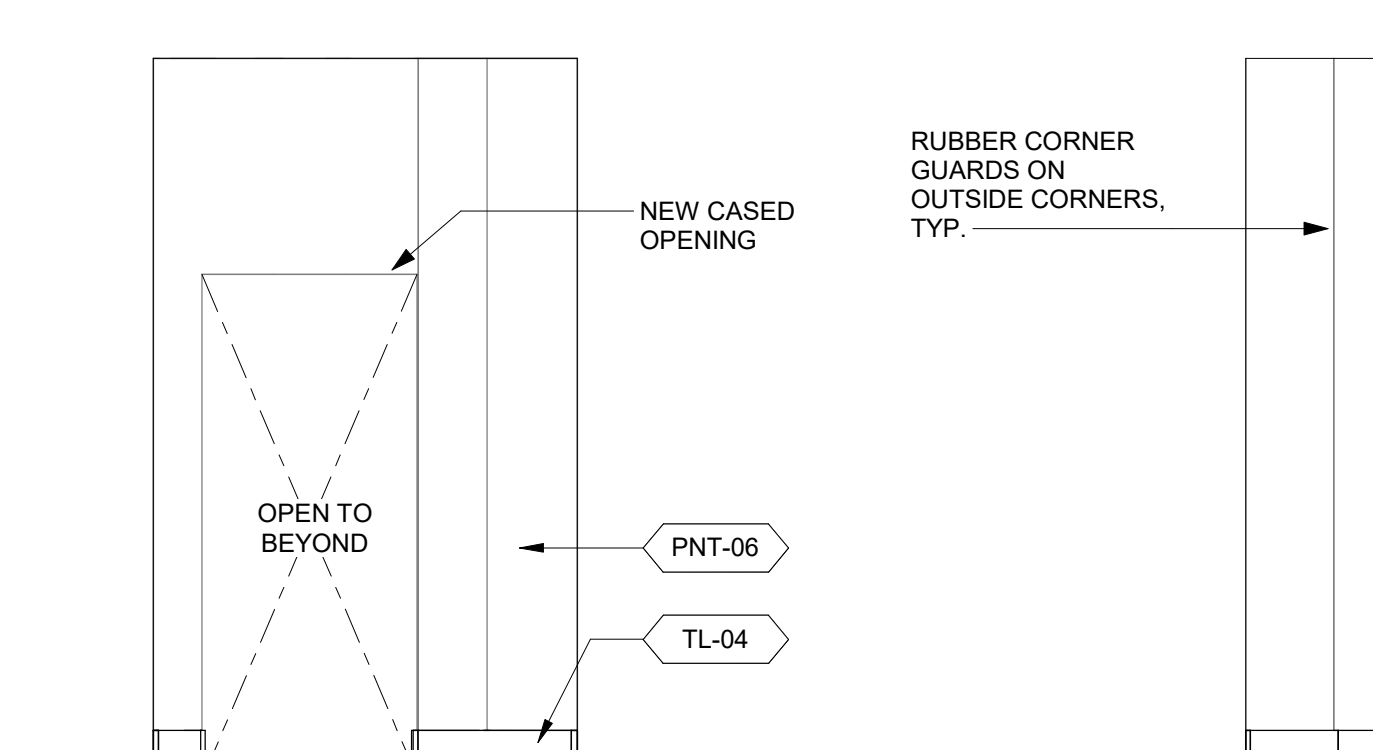
8 ELEVATION - MEN ENTRY EAST

ID-410 ID-430 SCALE: 3/8" = 1'-0"



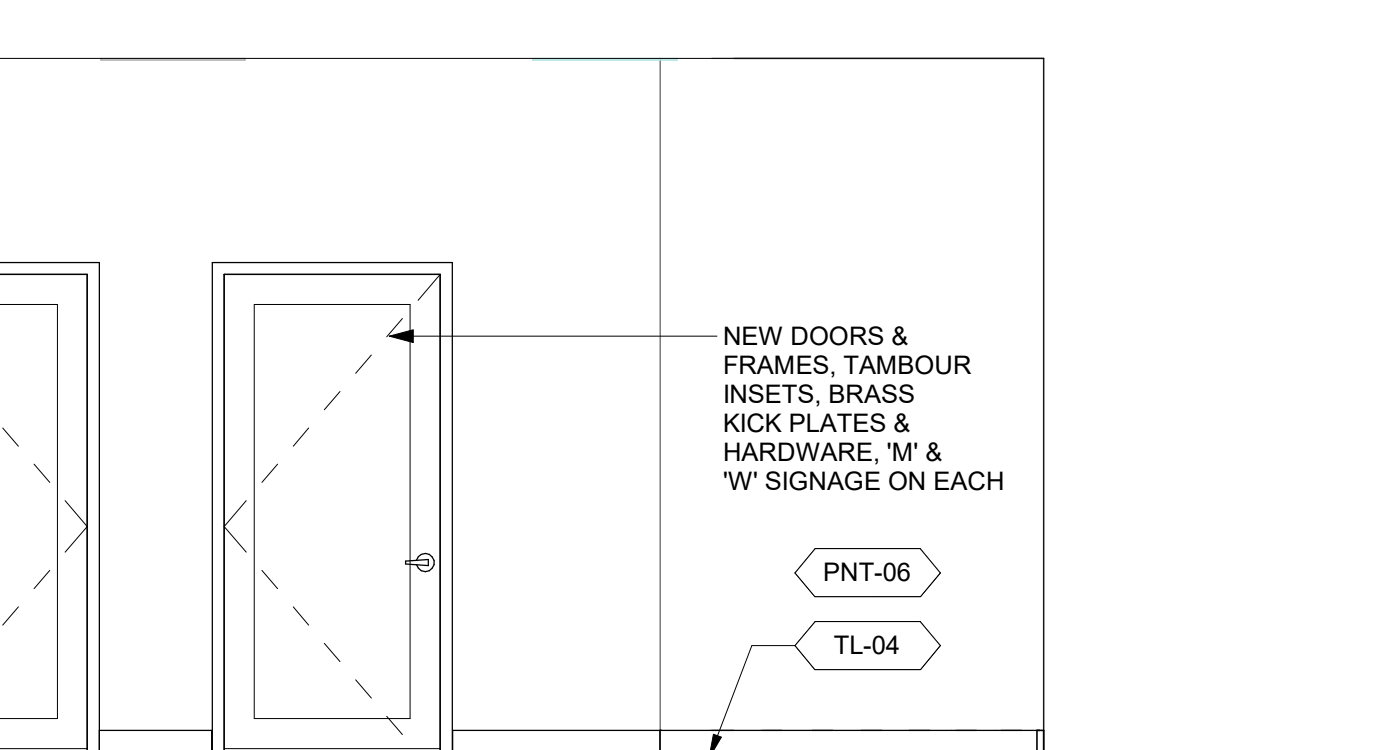
7 ELEVATION - MEN ENTRY NORTH

ID-430 ID-430 SCALE: 3/8" = 1'-0"



6 ELEVATION - RESTROOM ENTRY WEST

ID-410 ID-430 SCALE: 3/8" = 1'-0"



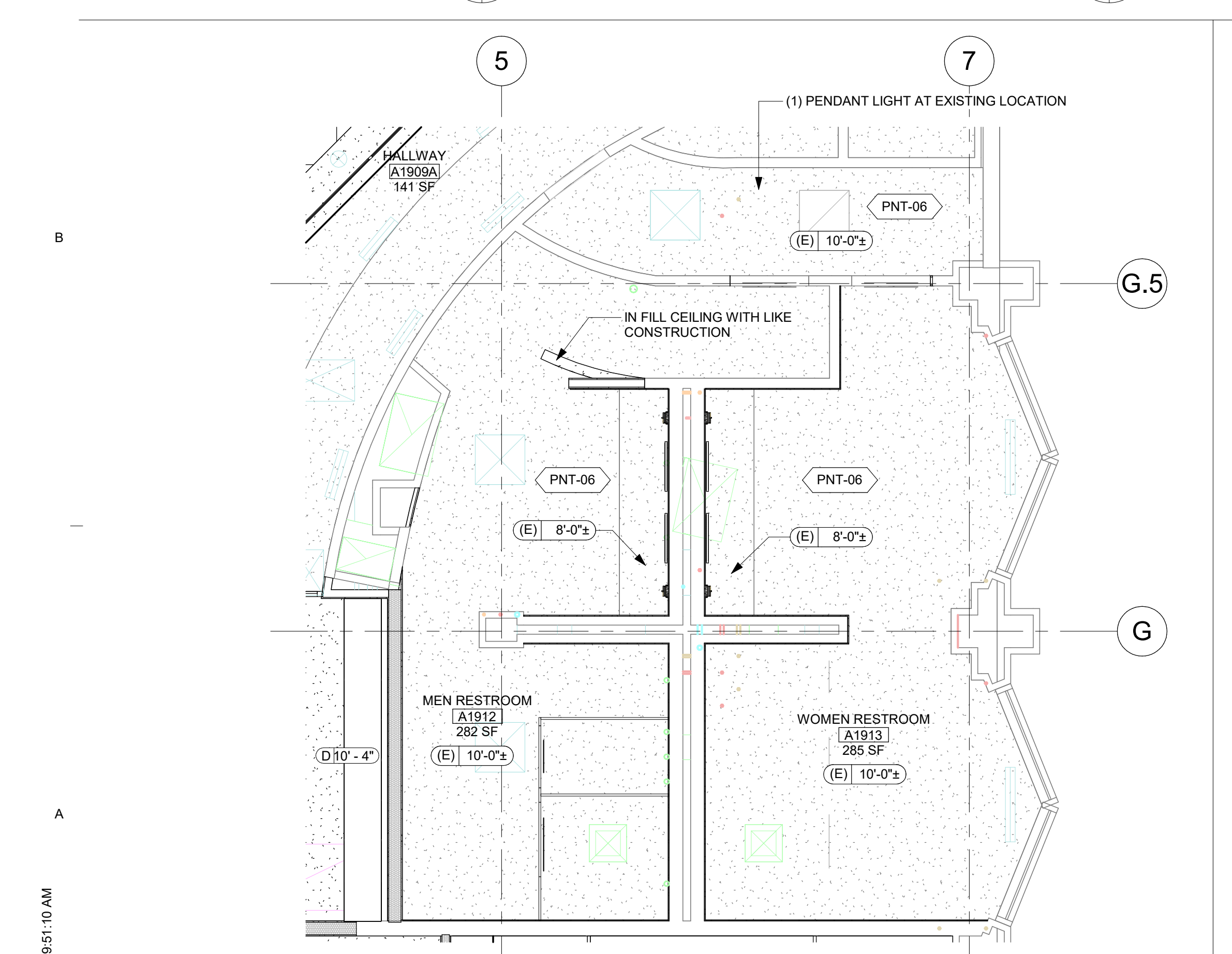
5 ELEVATION - RESTROOM ENTRY SOUTH

ID-410 ID-430 SCALE: 3/8" = 1'-0"



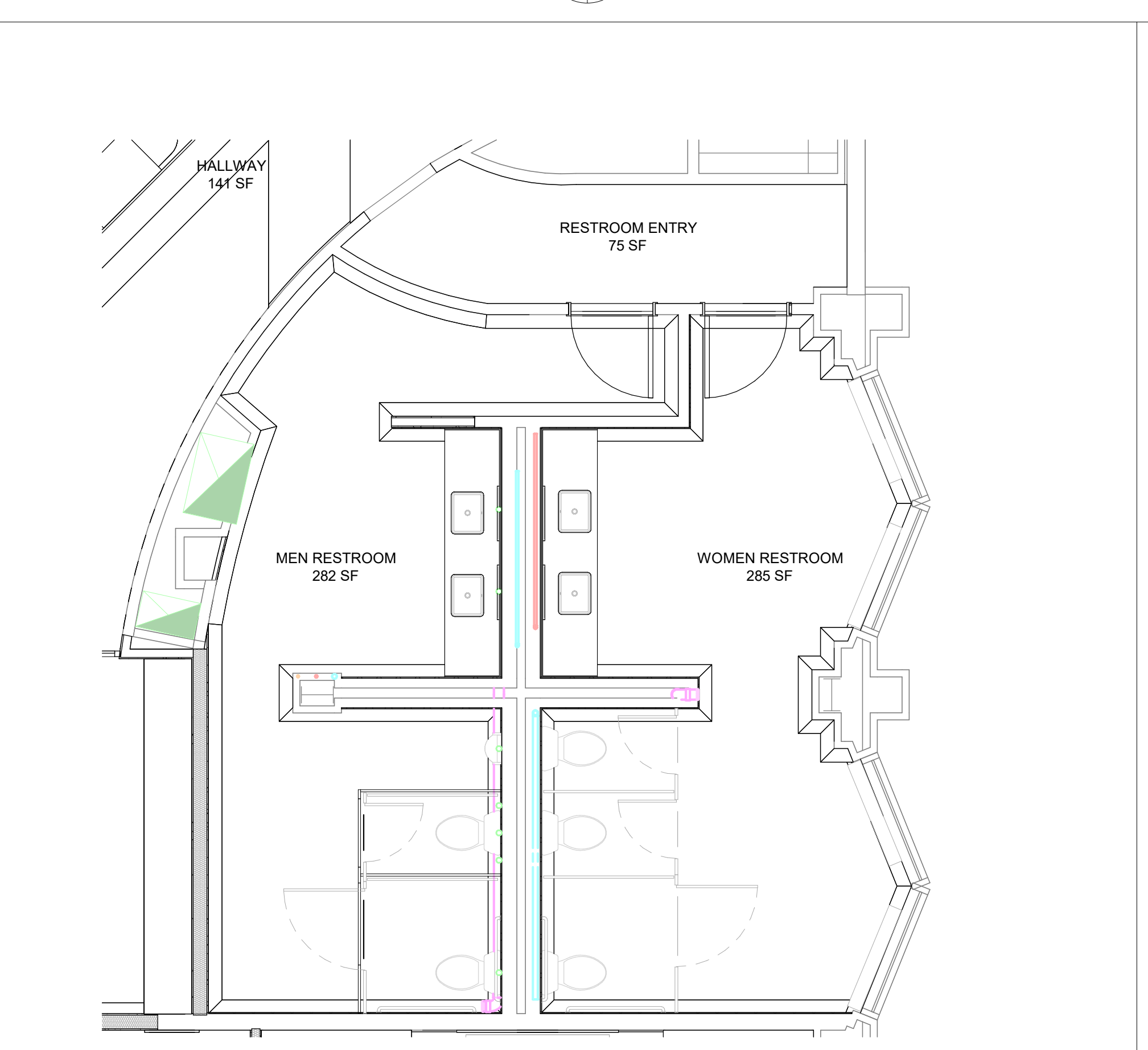
4 ELEVATION - RESTROOM ENTRY NORTH

ID-410 ID-430 SCALE: 3/8" = 1'-0"



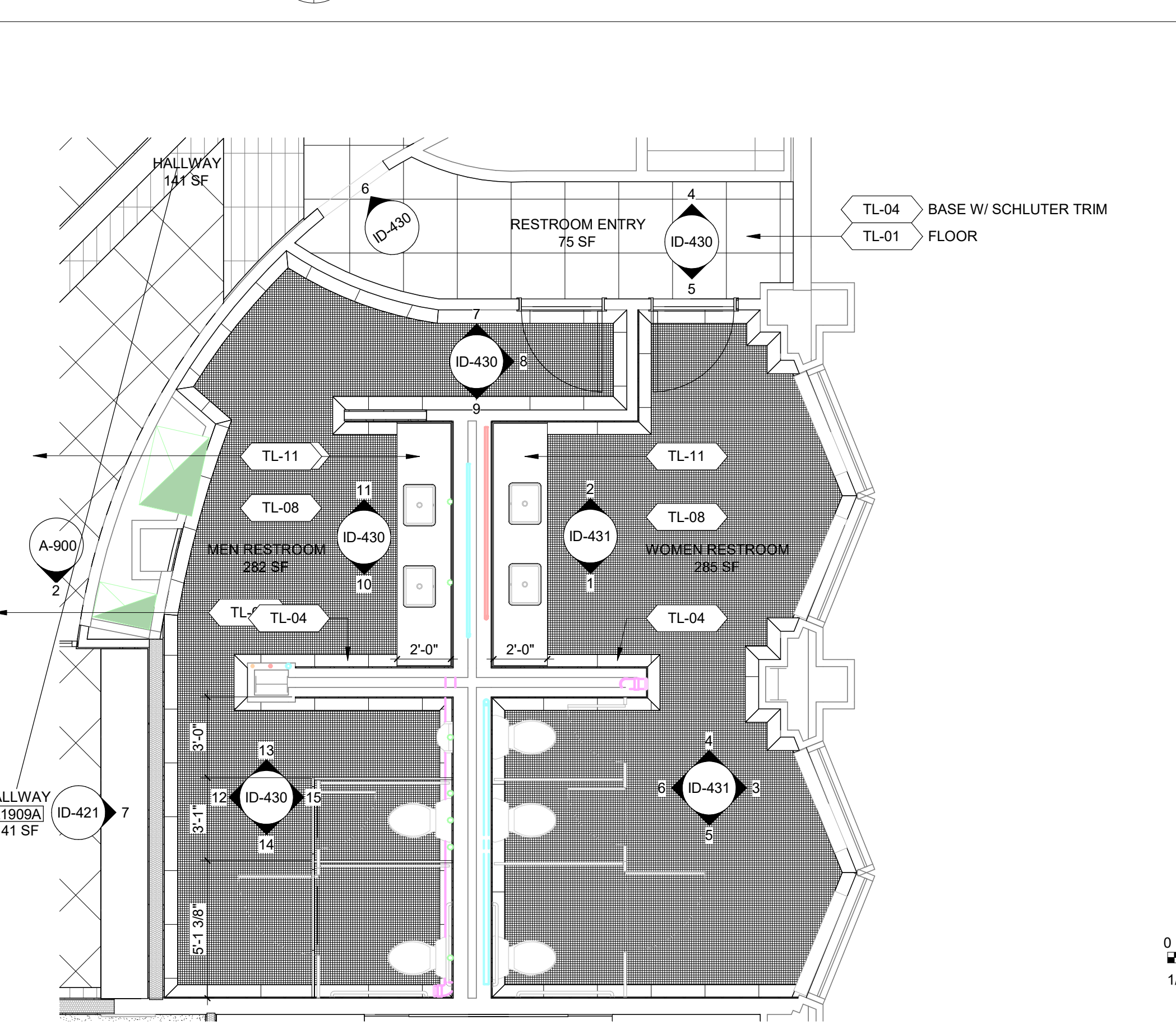
3 ENLARGED RCP - RESTROOM

A-310 ID-430 SCALE: 1/4" = 1'-0"



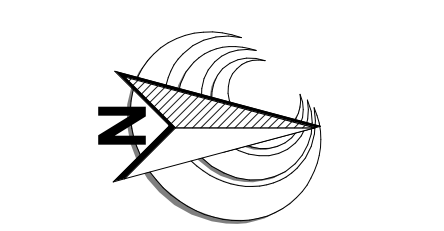
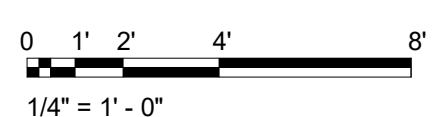
2 ENLARGED FF+E PLAN - RESTROOM

A-800 ID-430 SCALE: 1/4" = 1'-0"



1 ENLARGED FINISH PLAN - RESTROOM

A-800 ID-430 SCALE: 1/4" = 1'-0"



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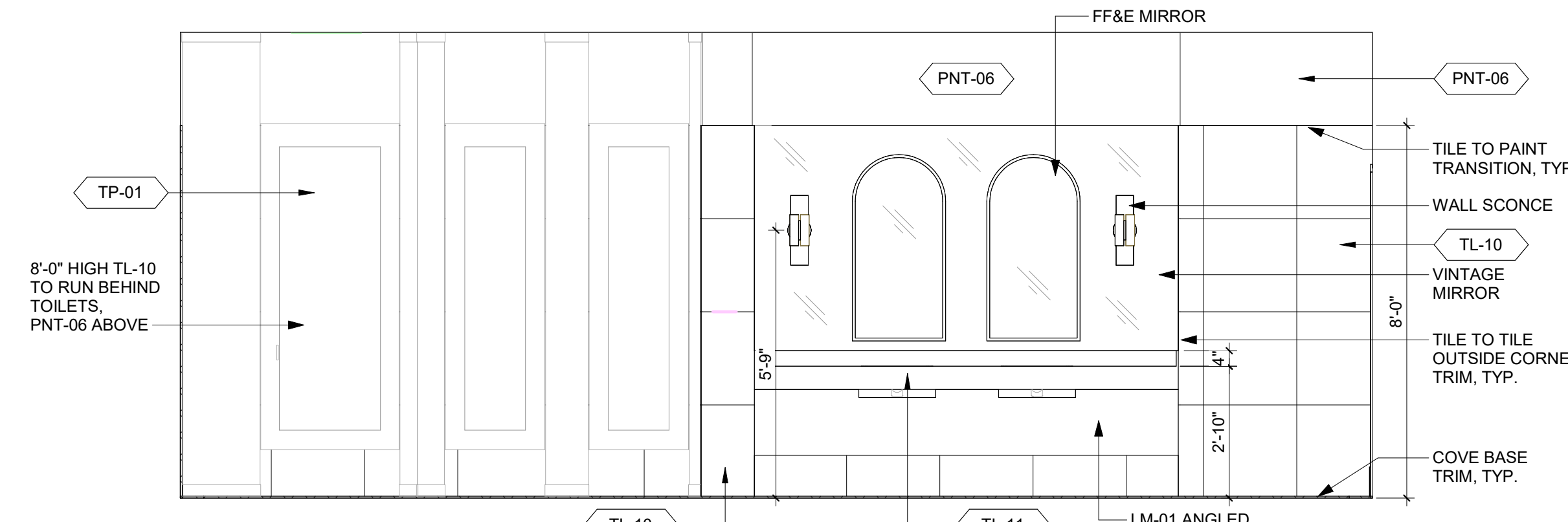
3/8" = 1'-0" 23-209

PROGRESS DATE:

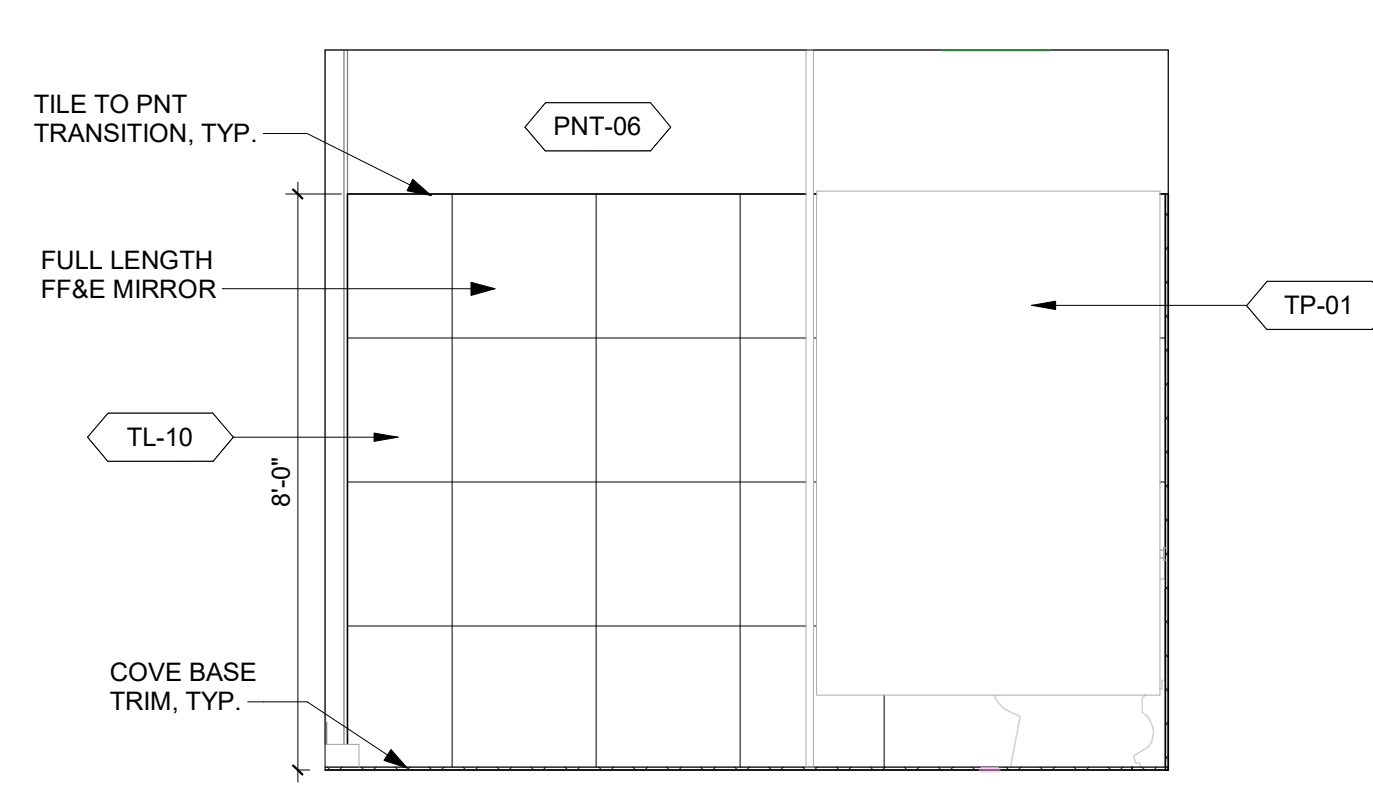
22 DECEMBER 2023

SHEET NUMBER:

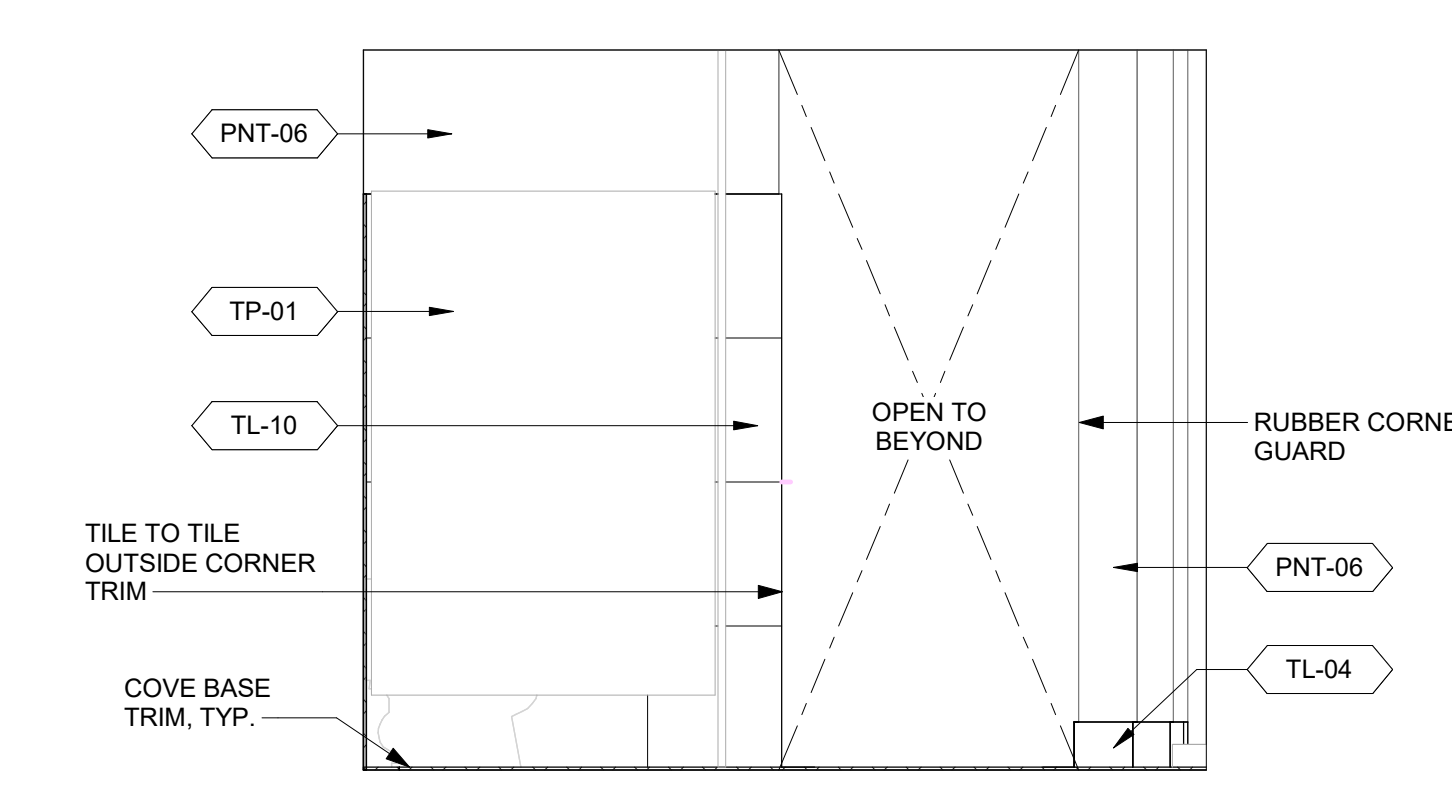
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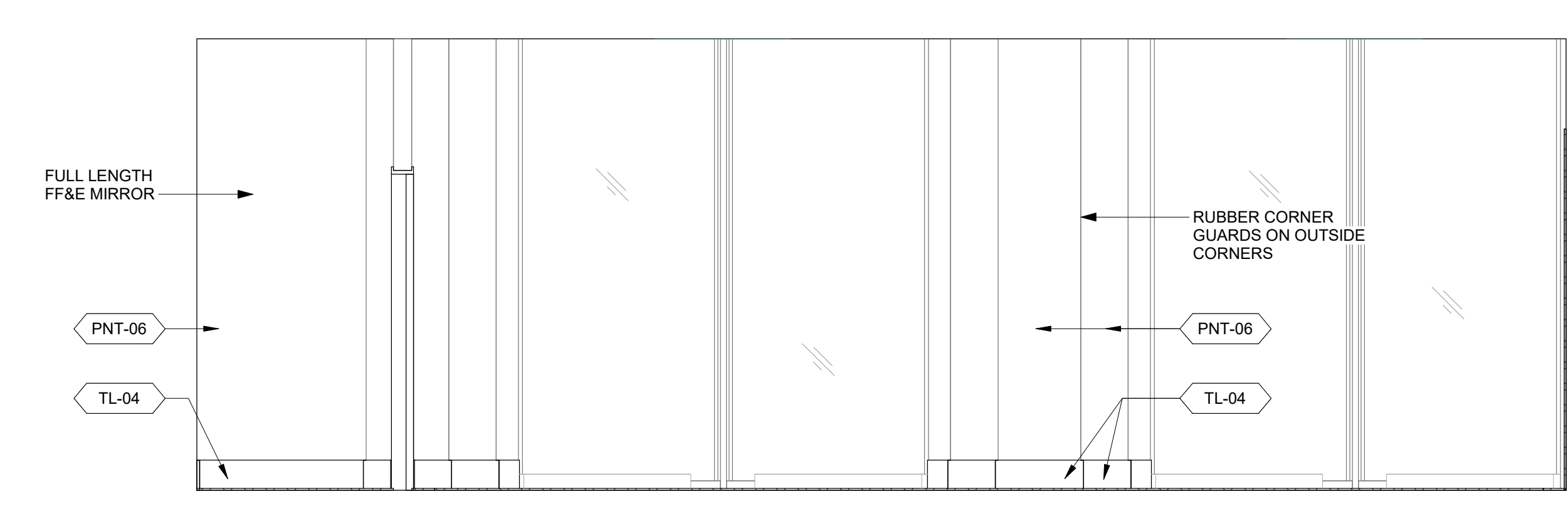
**6 ELEVATION - WOMEN RESTROOM WEST**  
ID-410/ID-431 SCALE: 3/8" = 1'-0"



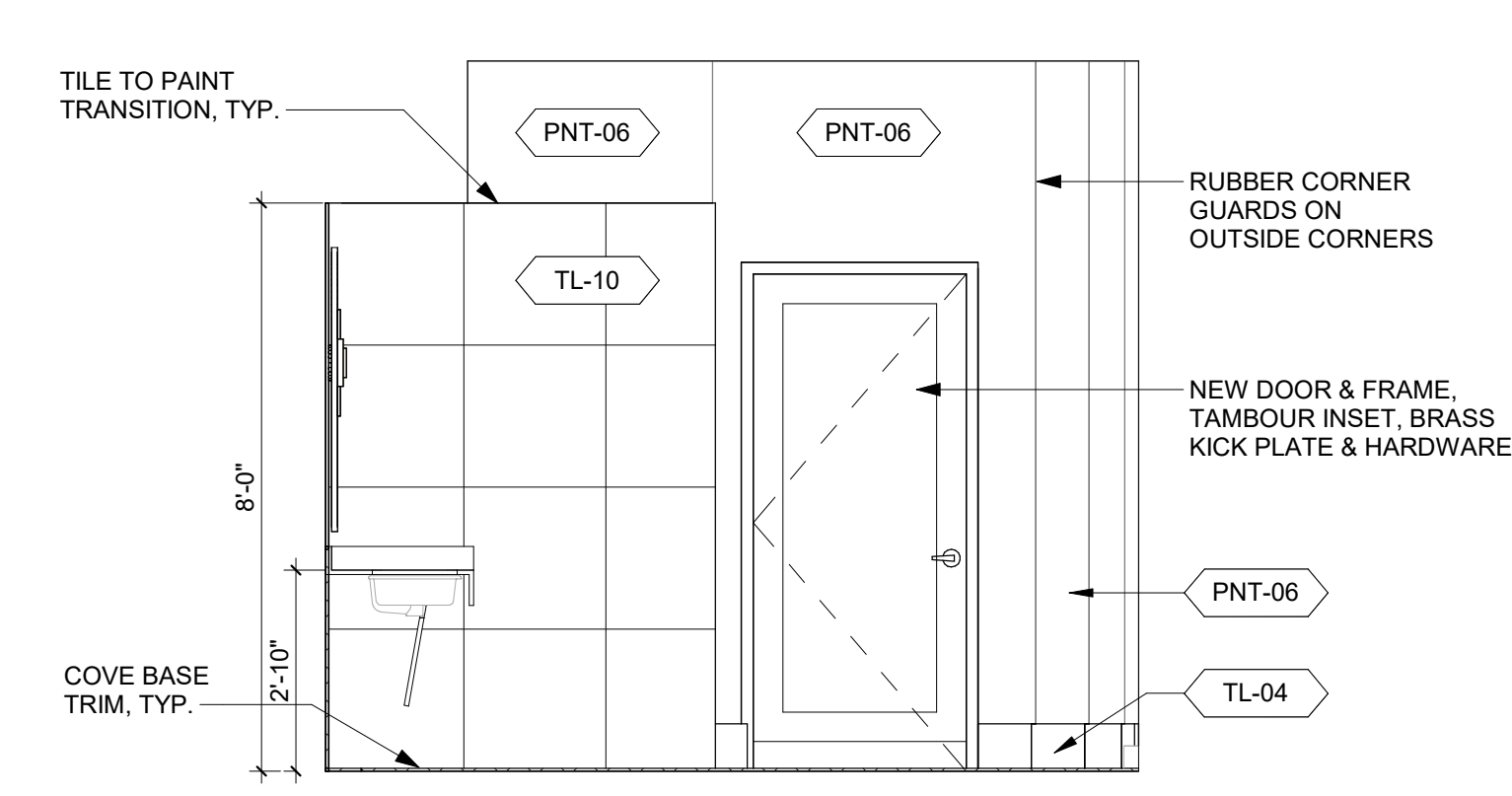
**5 ELEVATION - WOMEN RESTROOM SOUTH**  
ID-430/ID-431 SCALE: 3/8" = 1'-0"



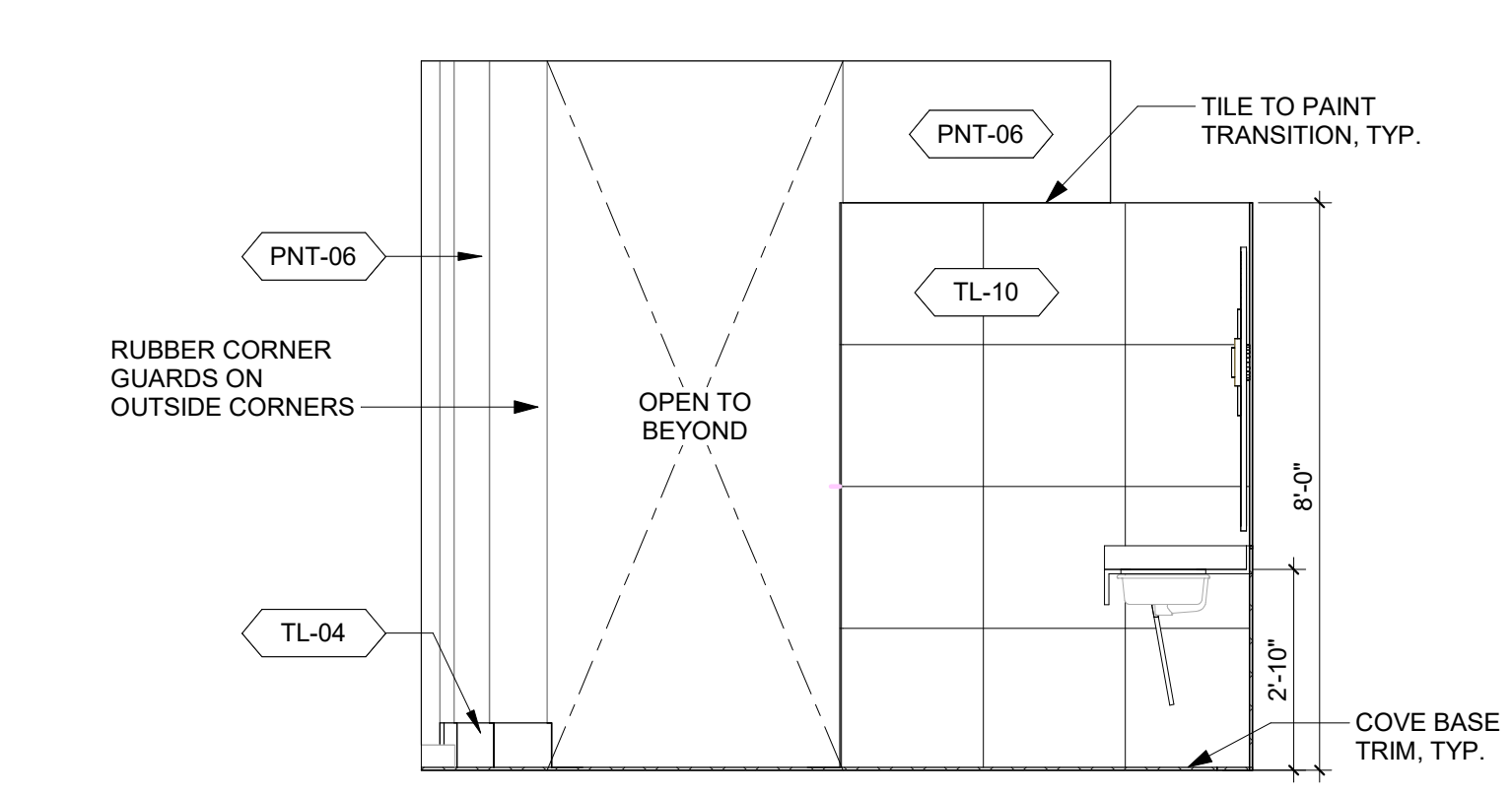
**4 ELEVATION - WOMEN RESTROOM NORTH**  
ID-430/ID-431 SCALE: 3/8" = 1'-0"



**3 ELEVATION - WOMEN RESTROOM EAST**  
ID-410/ID-431 SCALE: 3/8" = 1'-0"



**2 ELEVATION - WOMEN VANITY NORTH**  
ID-430/ID-431 SCALE: 3/8" = 1'-0"



**1 ELEVATION - WOMEN VANITY SOUTH**  
ID-430/ID-431 SCALE: 3/8" = 1'-0"

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6

5

4

3

2

1





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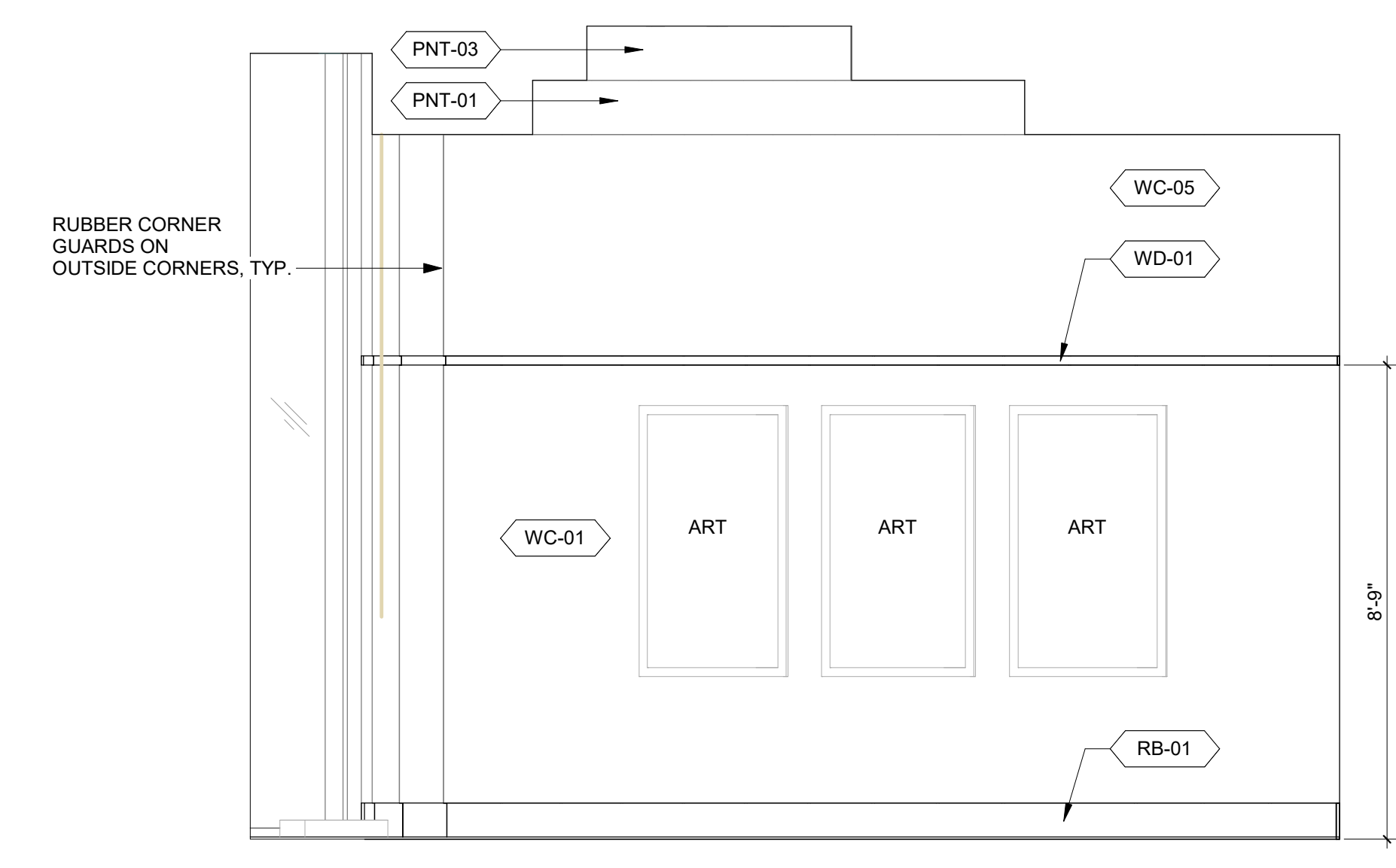
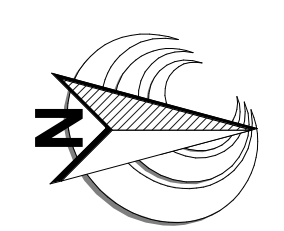
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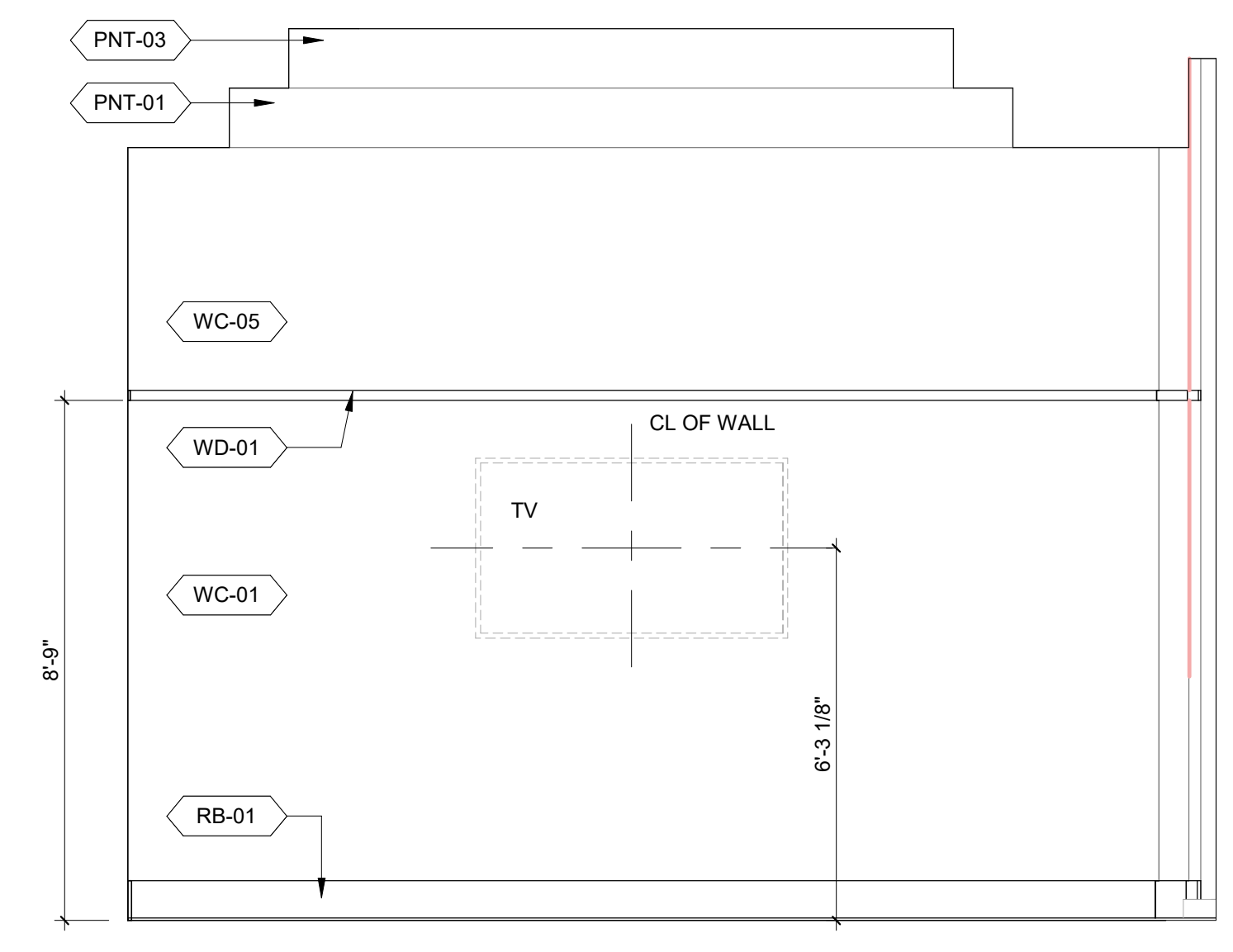
22 DECEMBER 2023

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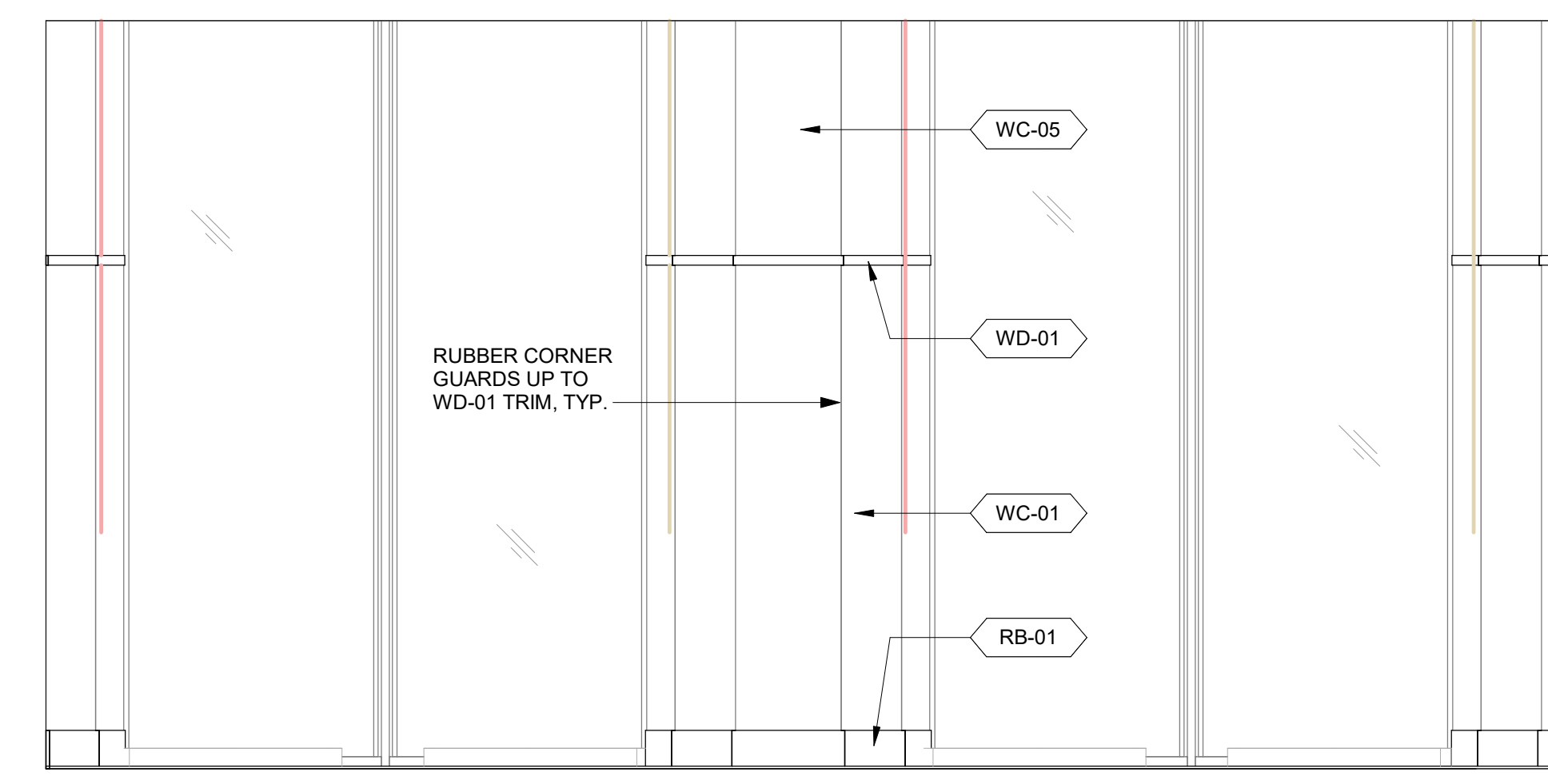
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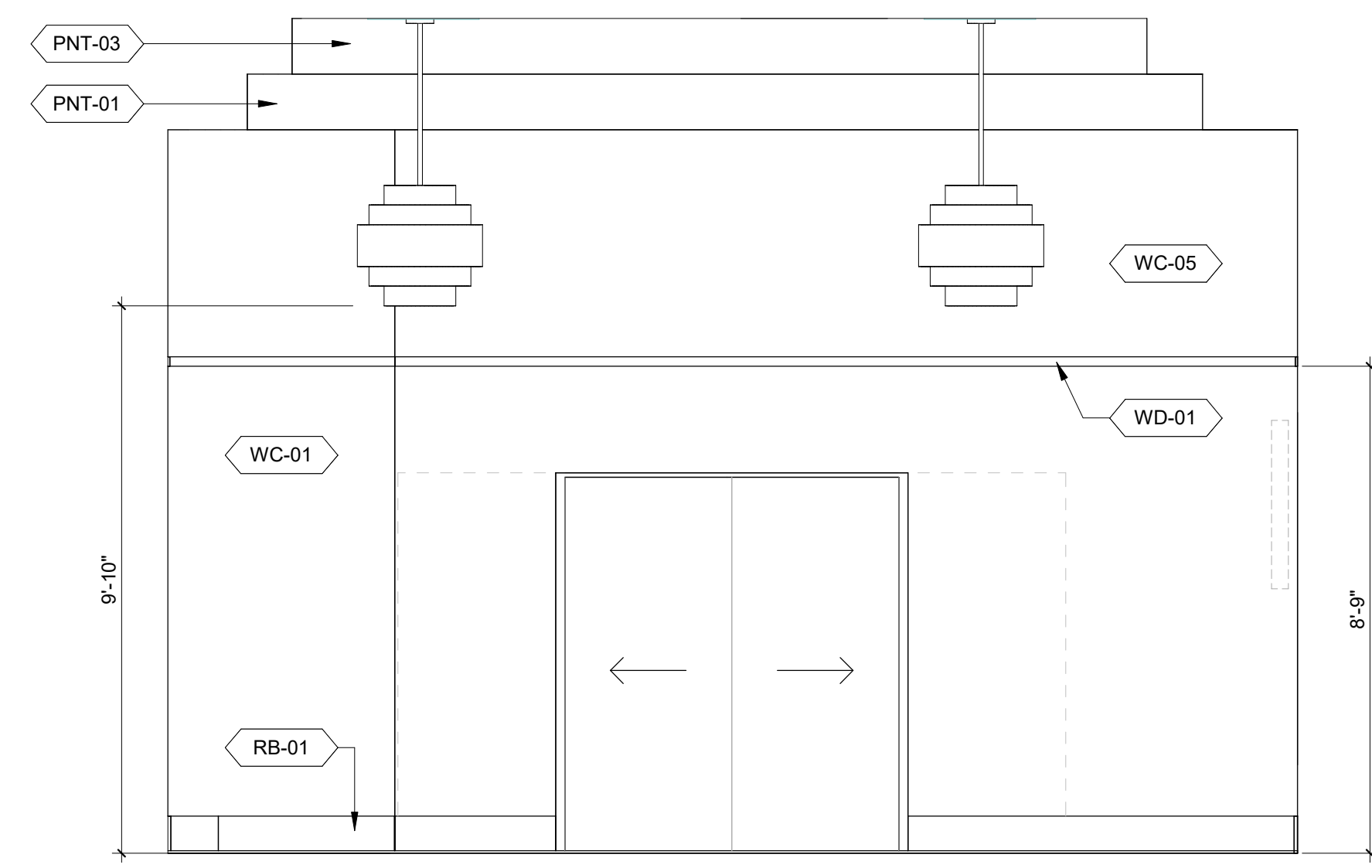
**3 ELEVATION - PRIVATE DINING 2 SOUTH**  
ID-440 SCALE: 3/8" = 1'-0"



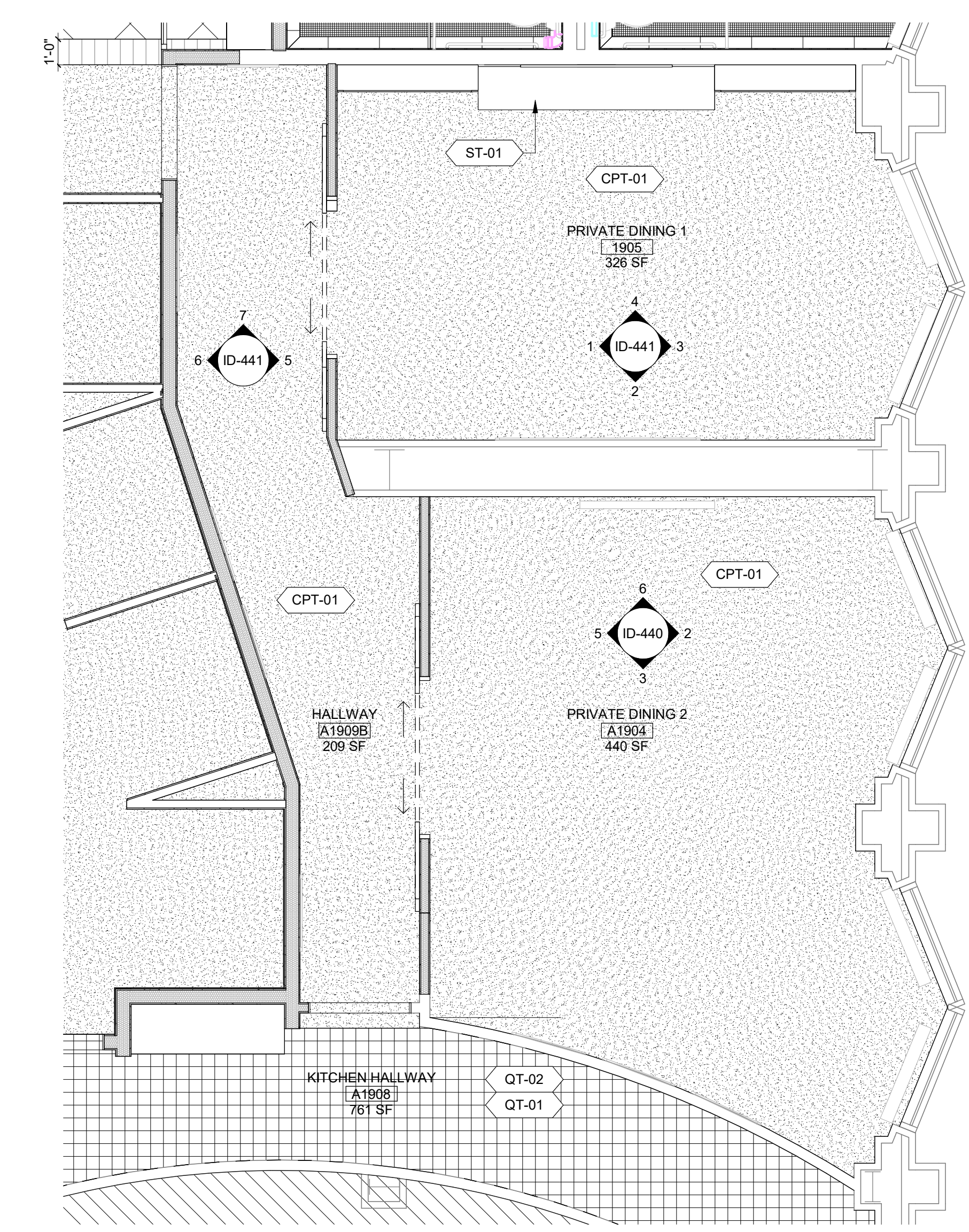
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ID-440 SCALE: 3/8" = 1'-0"



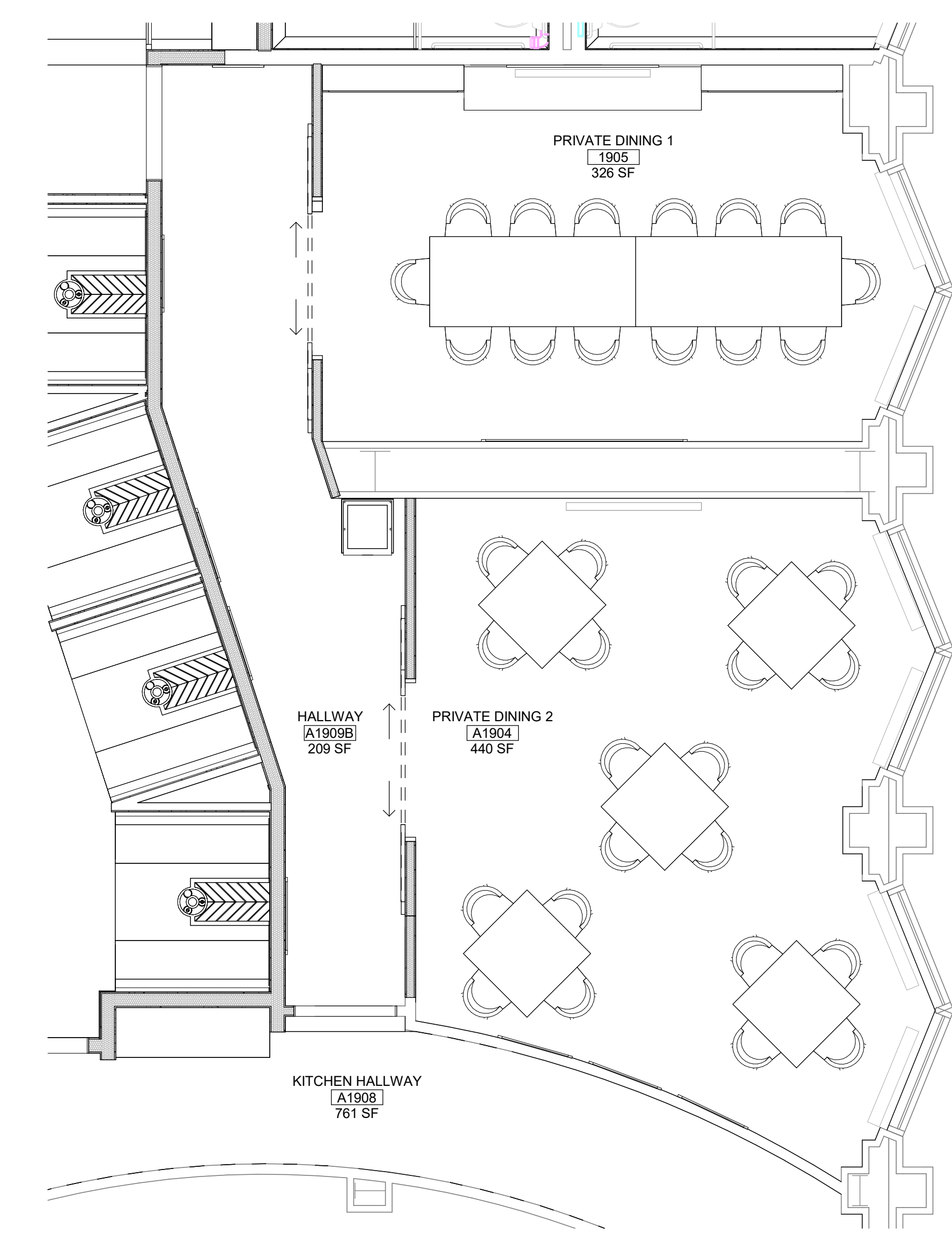
**2 ELEVATION - PRIVATE DINING 2 EAST**  
ID-440 SCALE: 3/8" = 1'-0"



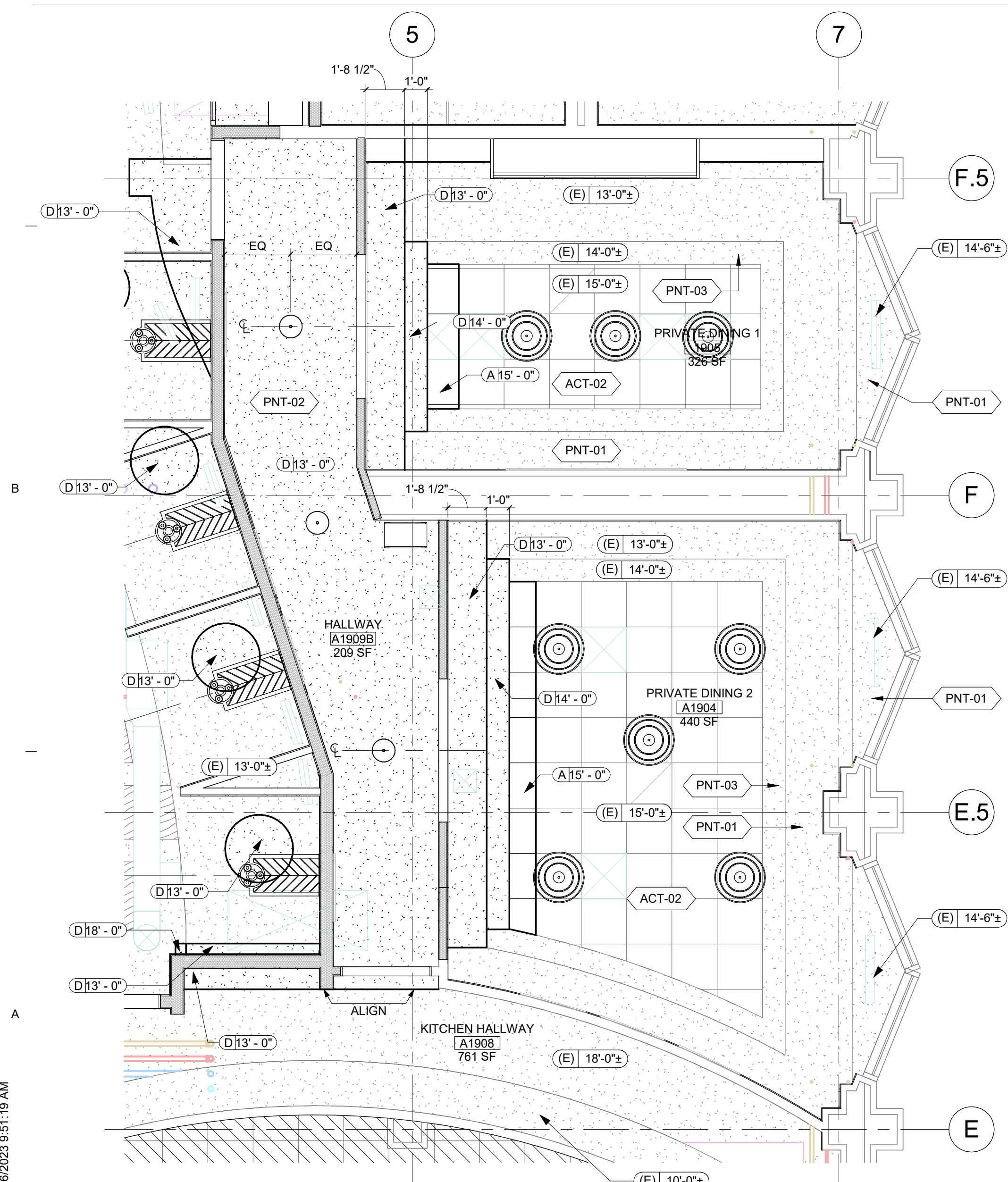
**5 ELEVATION - PRIVATE DINING 2 WEST**  
ID-440 SCALE: 3/8" = 1'-0"



**1 ENLARGED FINISH PLAN - PRIVATE DINING**  
A-800 ID-440 SCALE: 1/4" = 1'-0"



**4 ENLARGED FF+E PLAN - PRIVATE DINING**  
A-800 ID-440 SCALE: 1/4" = 1'-0"



**7 ENLARGED RCP - PRIVATE DINING**  
A-310 ID-440 SCALE: 1/4" = 1'-0"

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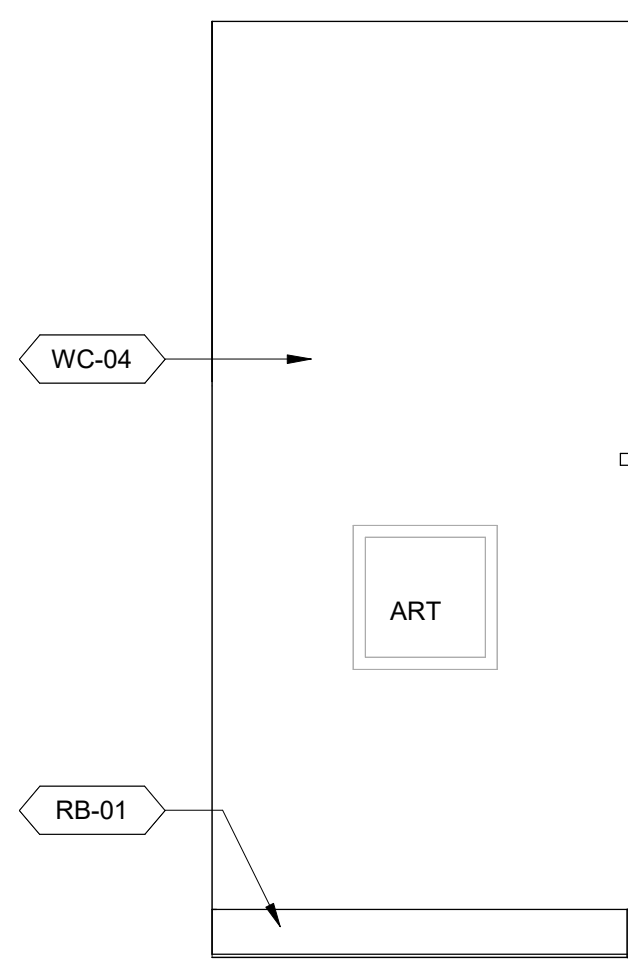
KEY PLAN

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WGA PROJECT NUMBER: 23-209

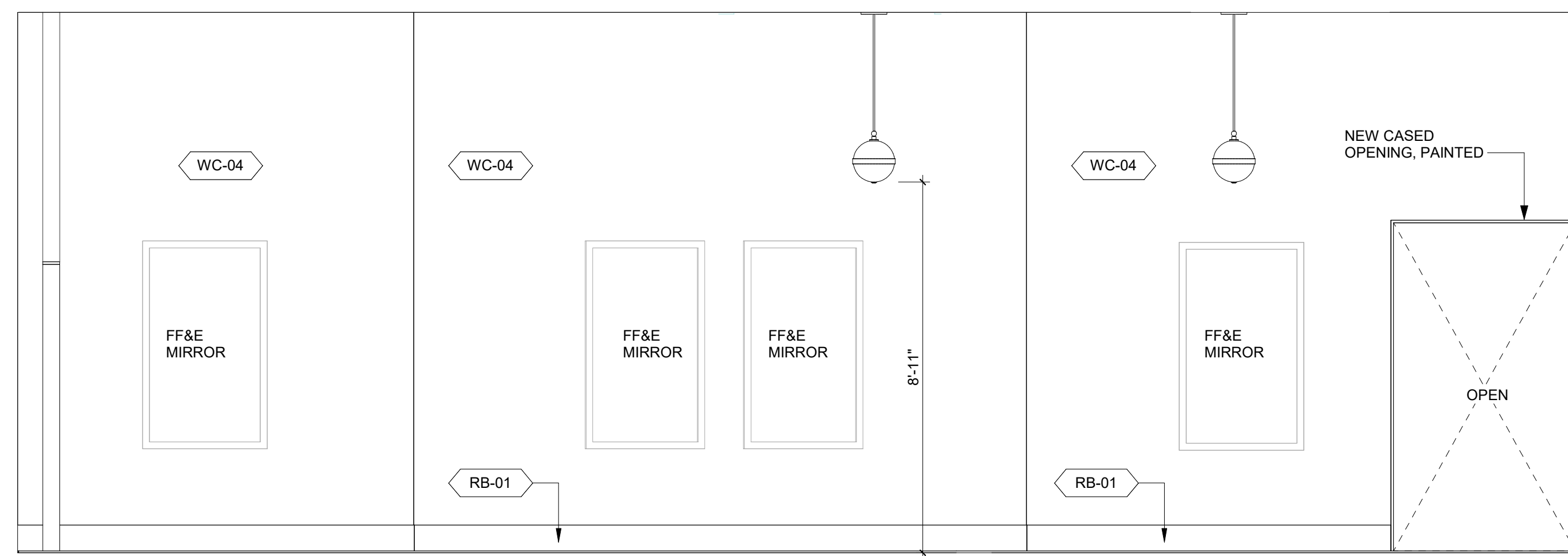
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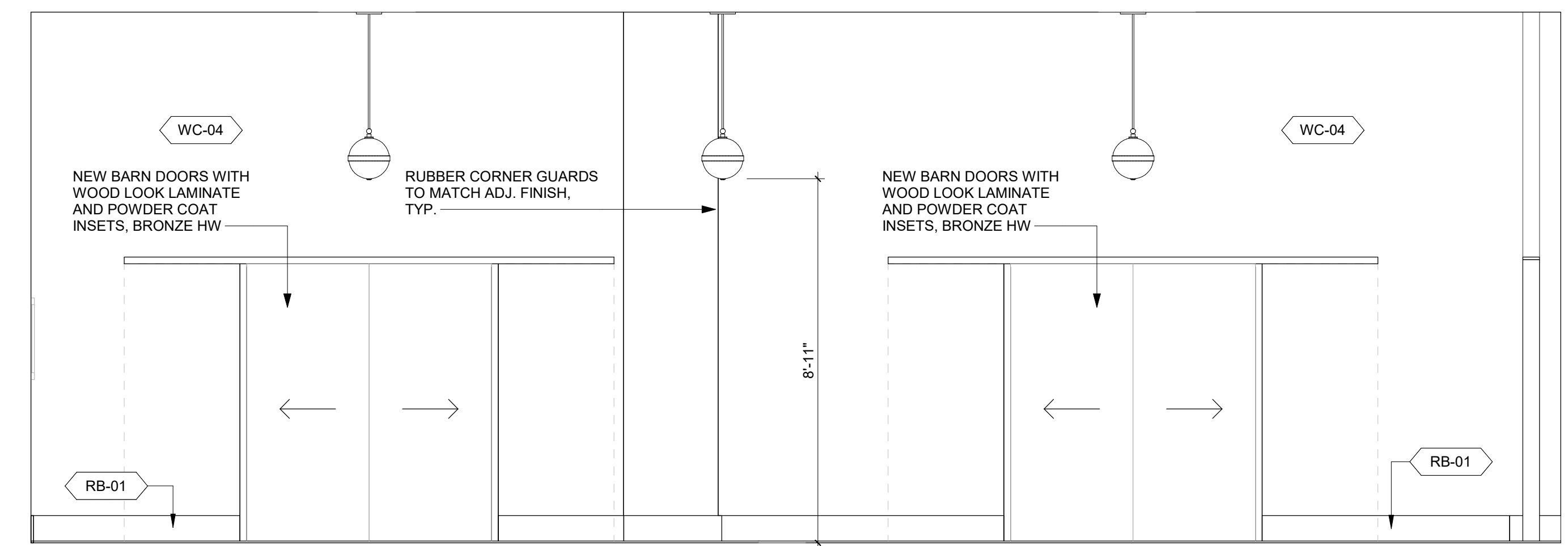
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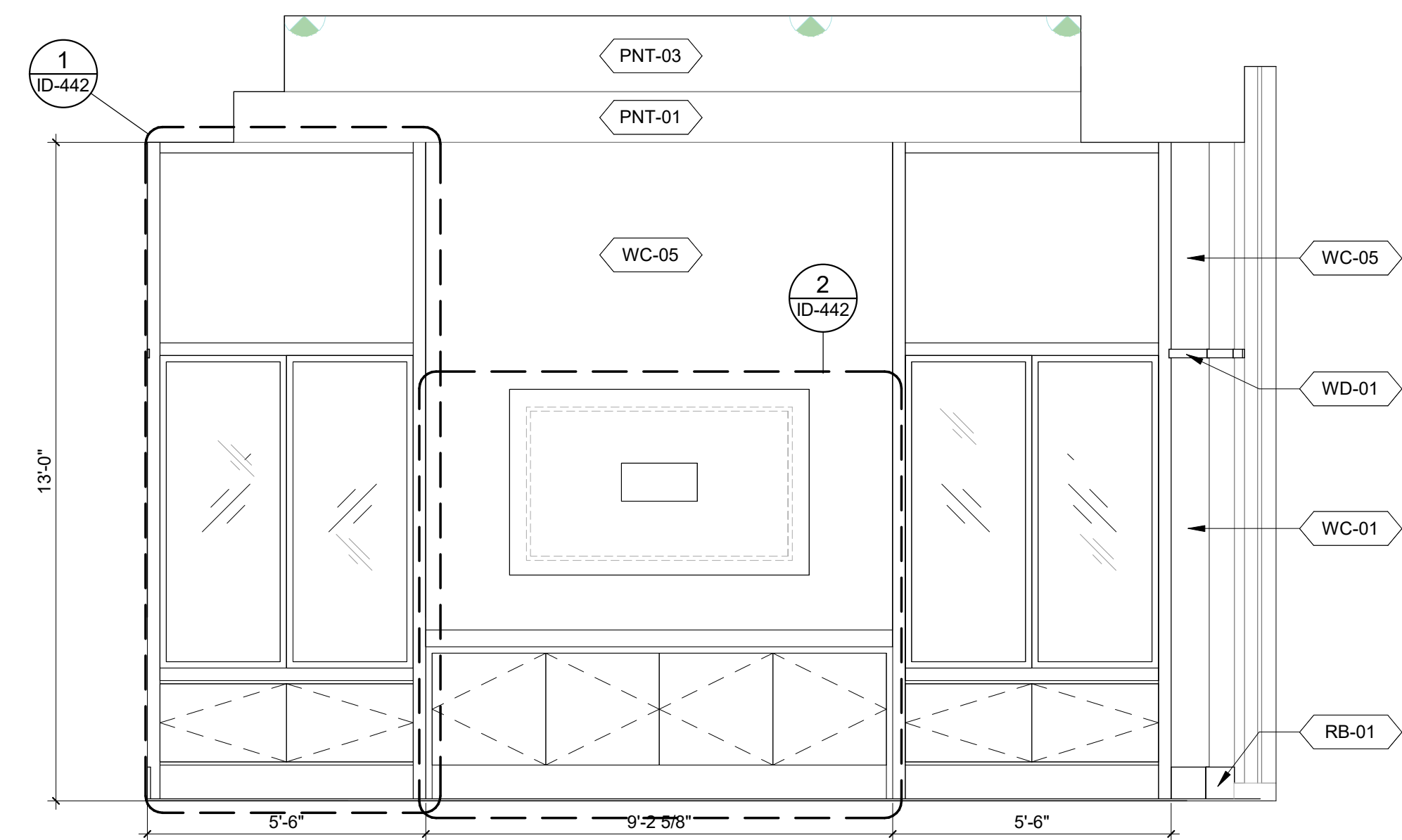
**7** ELEVATION - HALLWAY NORTH  
ID-420 ID-441 SCALE: 3/8" = 1'-0"



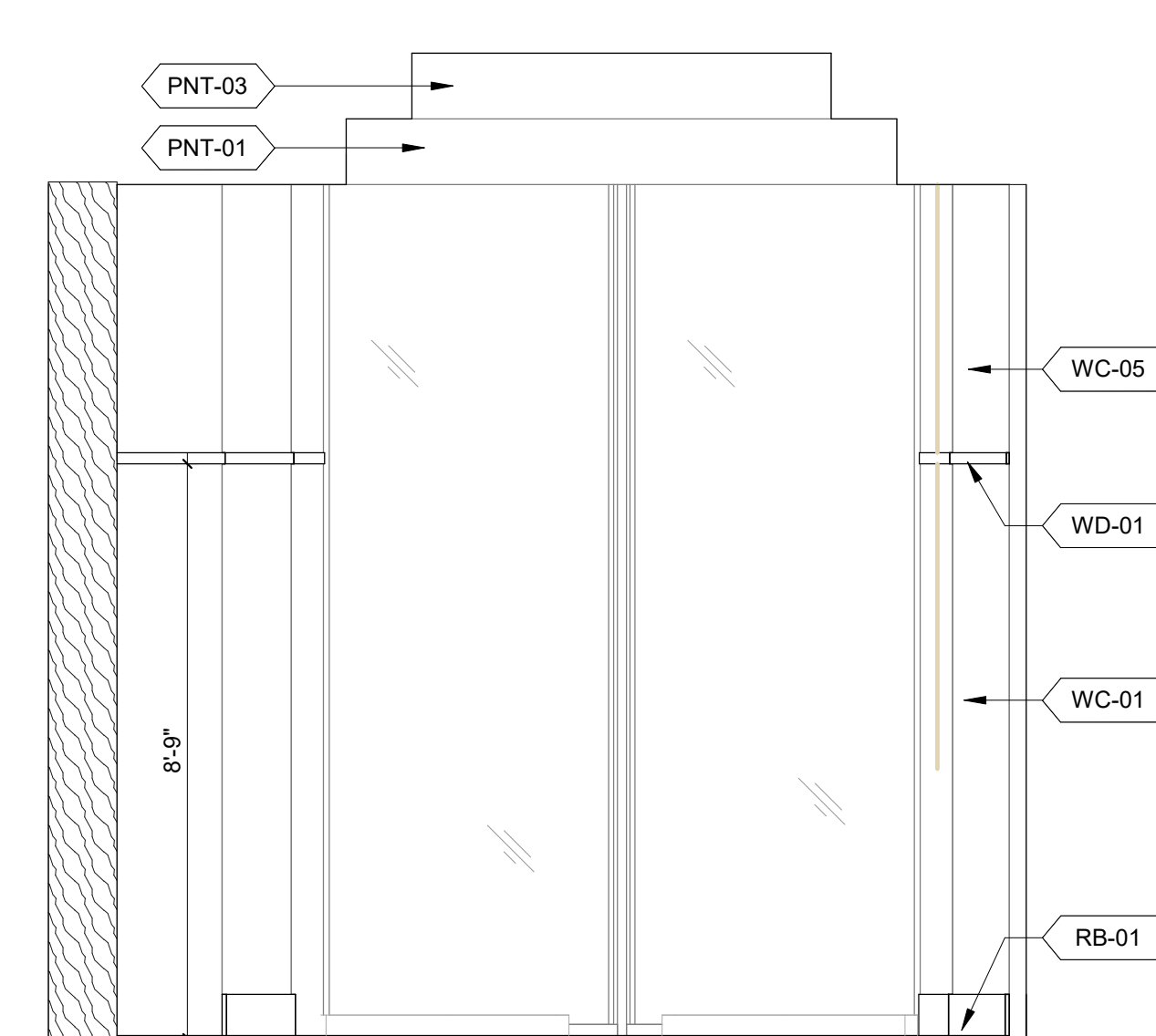
**6** ELEVATION - HALLWAY WEST  
ID-430 ID-441 SCALE: 3/8" = 1'-0"



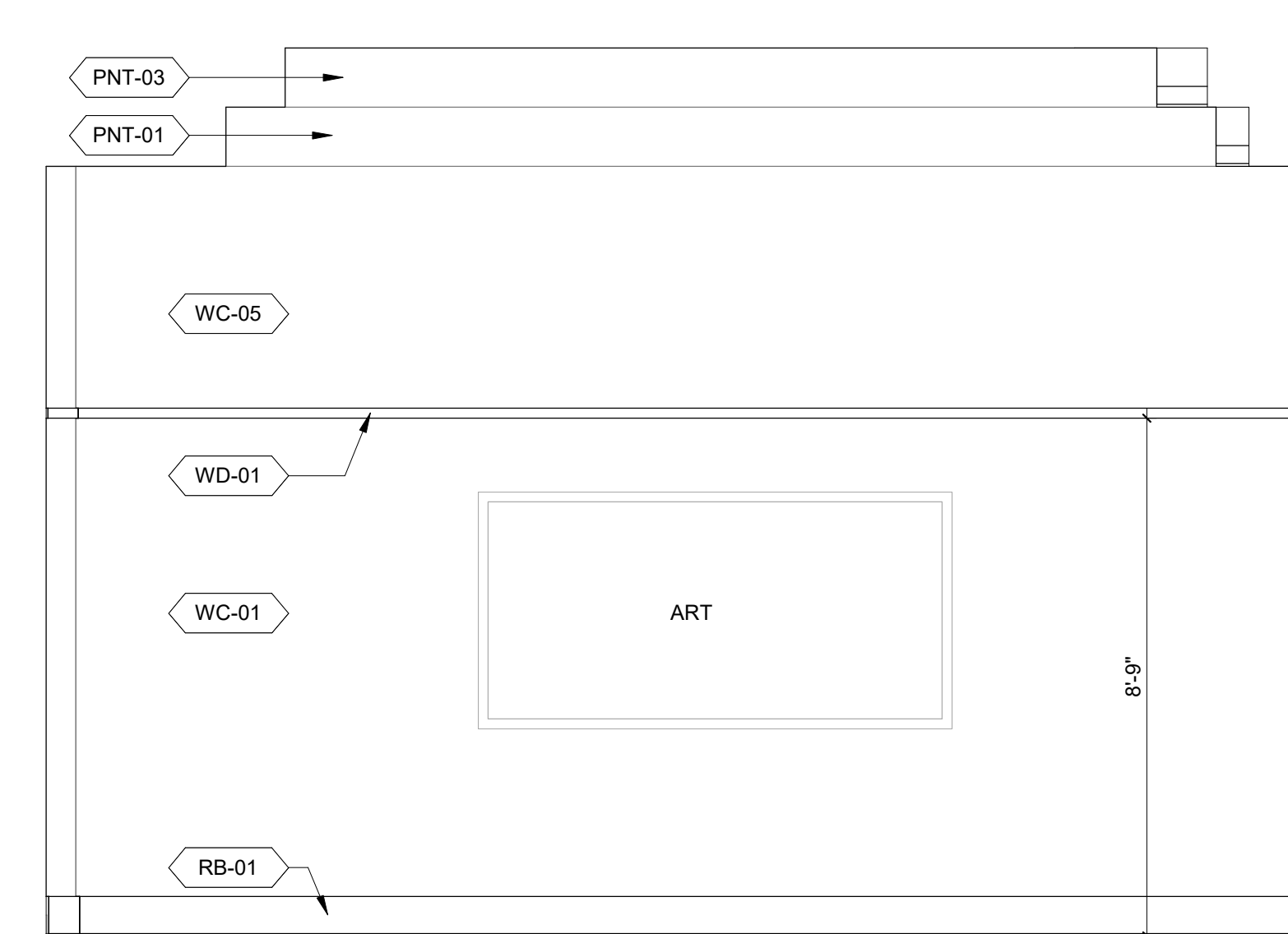
**5** ELEVATION - HALLWAY EAST  
ID-420 ID-441 SCALE: 3/8" = 1'-0"



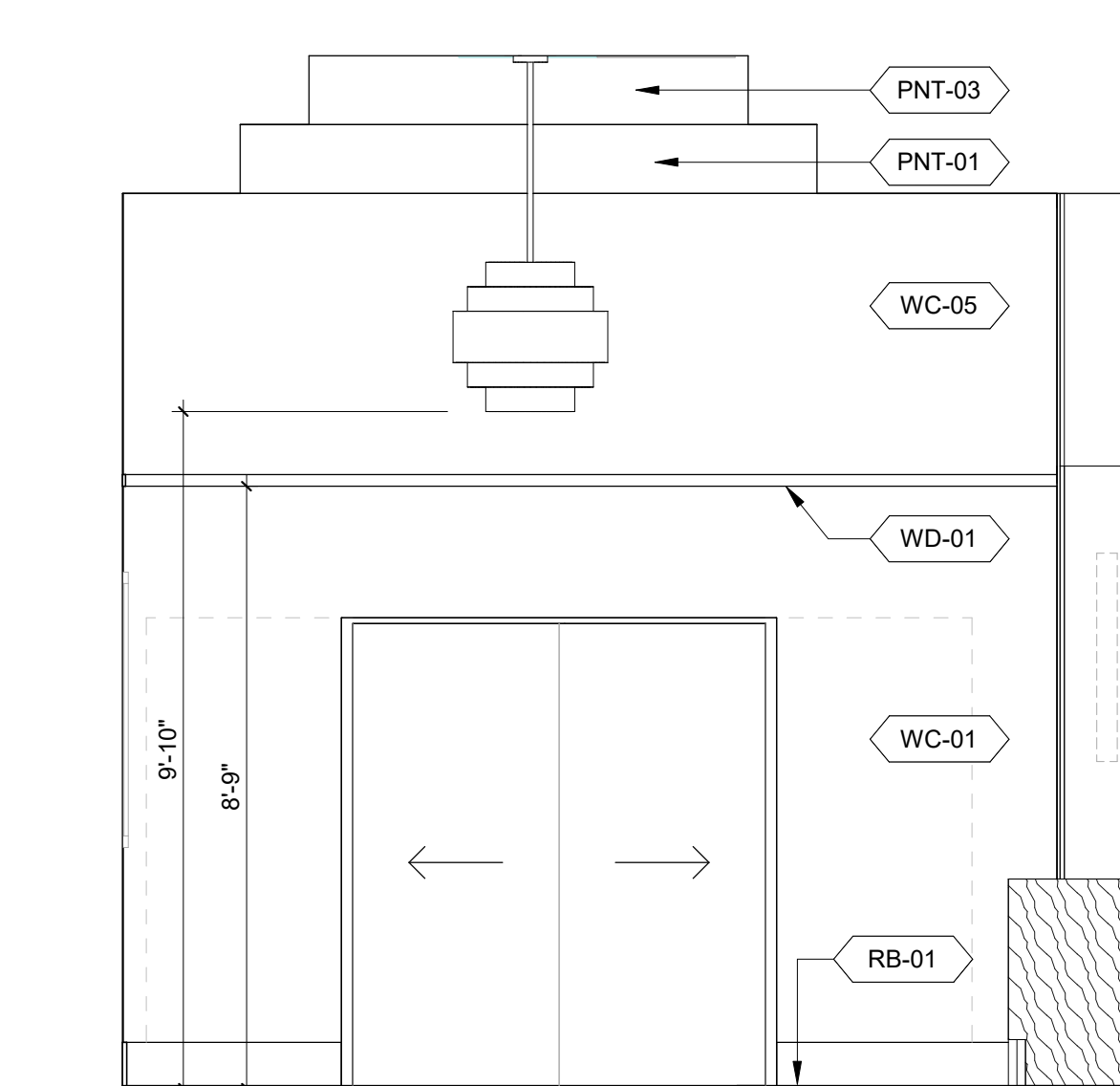
**4** ELEVATION - PRIVATE DINING 1 NORTH  
ID-440 ID-441 SCALE: 3/8" = 1'-0"



**3** ELEVATION - PRIVATE DINING 1 EAST  
ID-430 ID-441 SCALE: 3/8" = 1'-0"



**2** ELEVATION - PRIVATE DINING 1 SOUTH  
ID-440 ID-441 SCALE: 3/8" = 1'-0"



**1** ELEVATION - PRIVATE DINING 1 WEST  
ID-430 ID-441 SCALE: 3/8" = 1'-0"





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REVISIONS		
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SHEET DESCRIPTION  
**PRIVATE DINING**

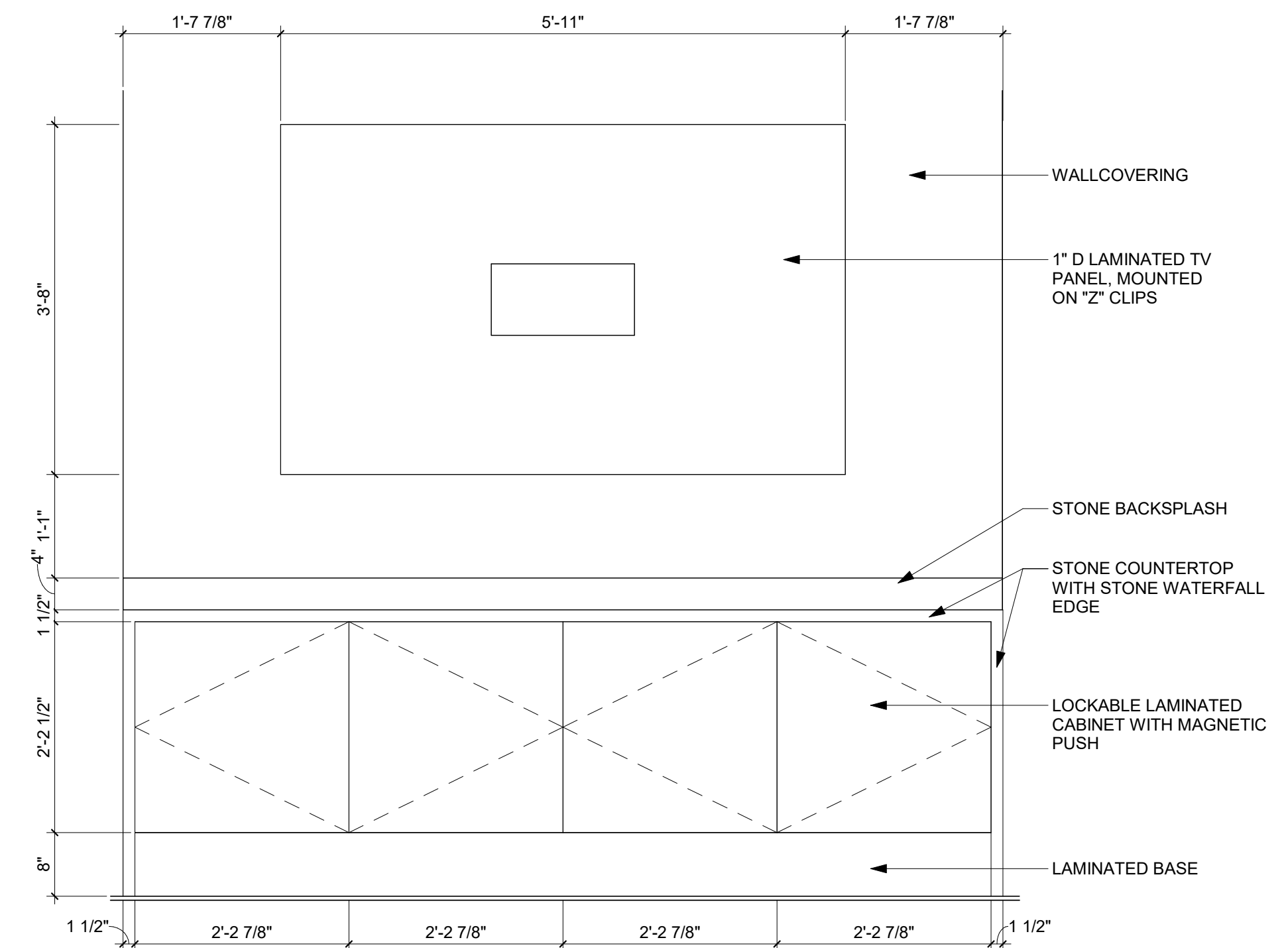
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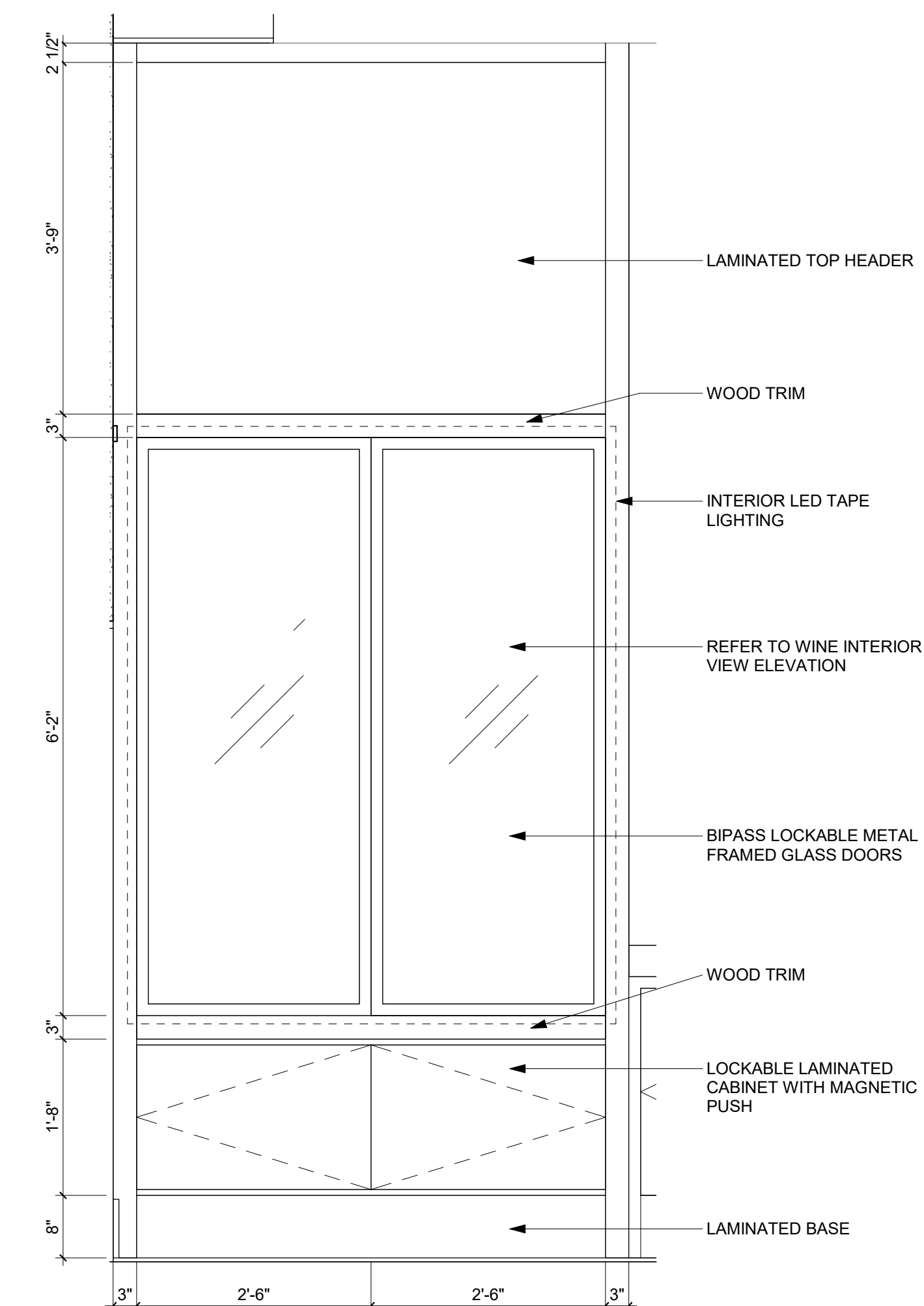
PROGRESS DATE:  
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SHEET NUMBER:  
**ID-442**



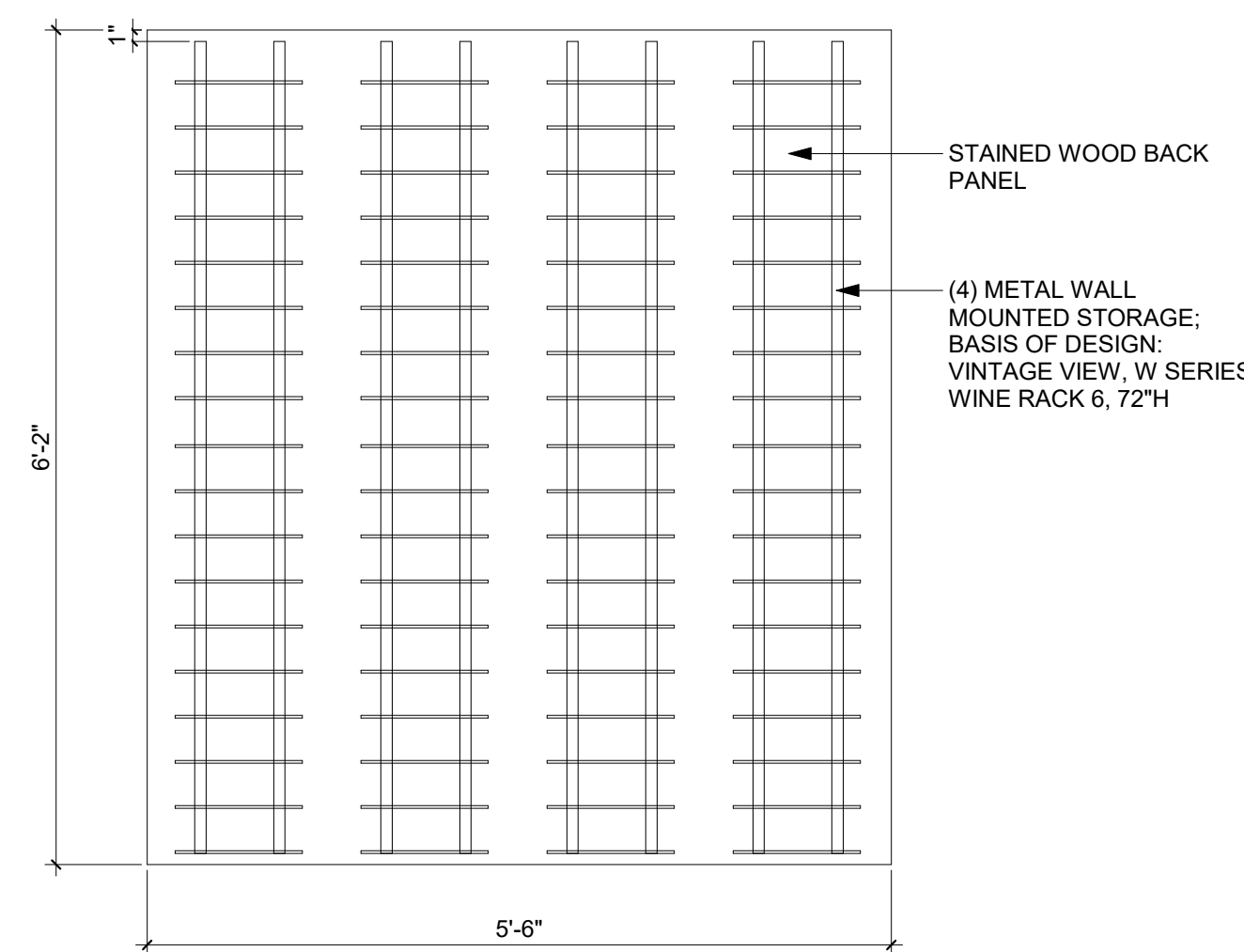
**2 ELEVATION - PRIVATE DINING CABINET**

ID-441 ID-442 SCALE: 3/4" = 1'-0"



**1 ELEVATION - PRIVATE DINING WINE DISPLAY**

ID-441 ID-442 SCALE: 3/4" = 1'-0"



**3 WINE DISPLAY INTERIOR VIEW**

ID-442 SCALE: 3/4" = 1'-0"





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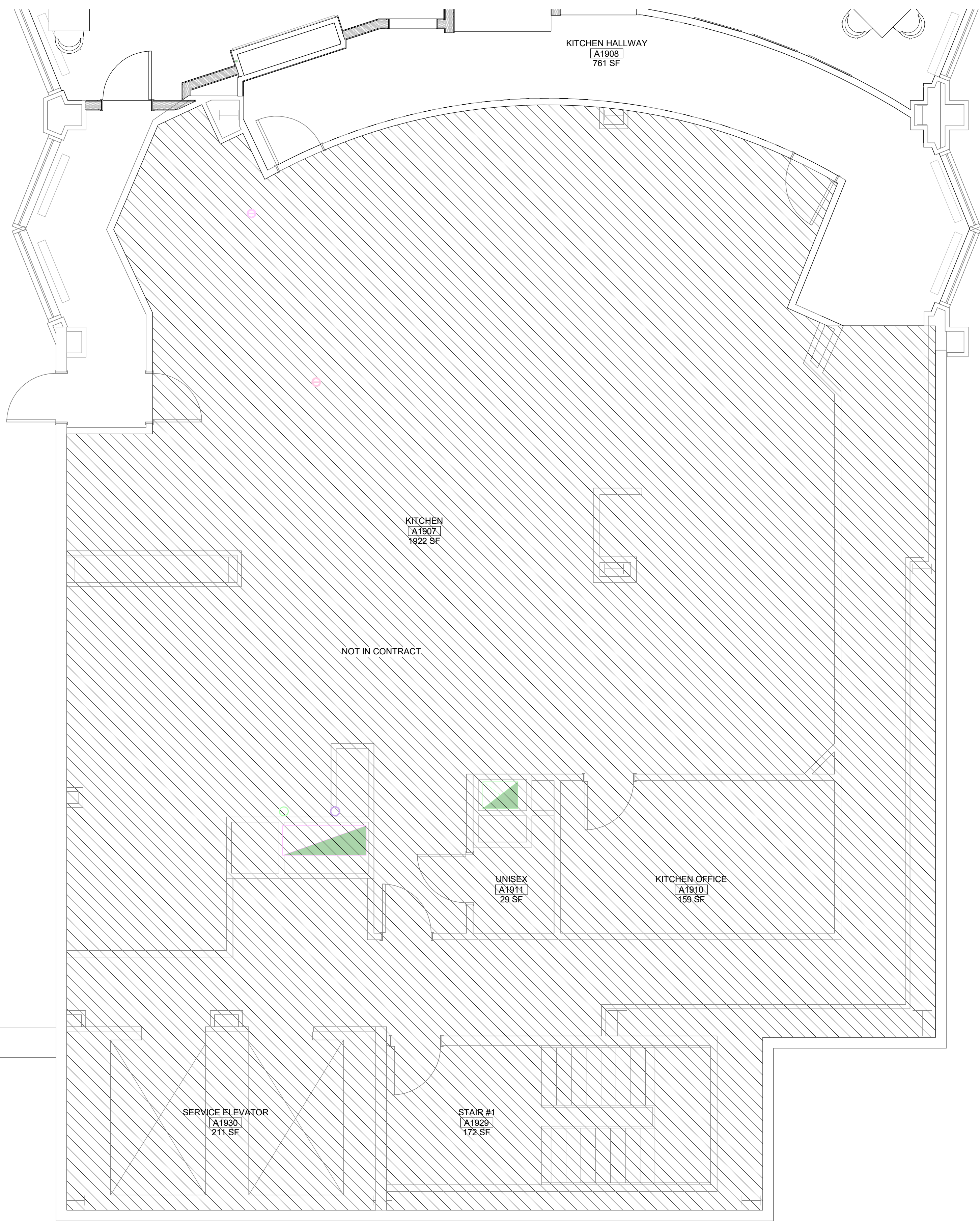
50% DESIGN DEVELOPMENT

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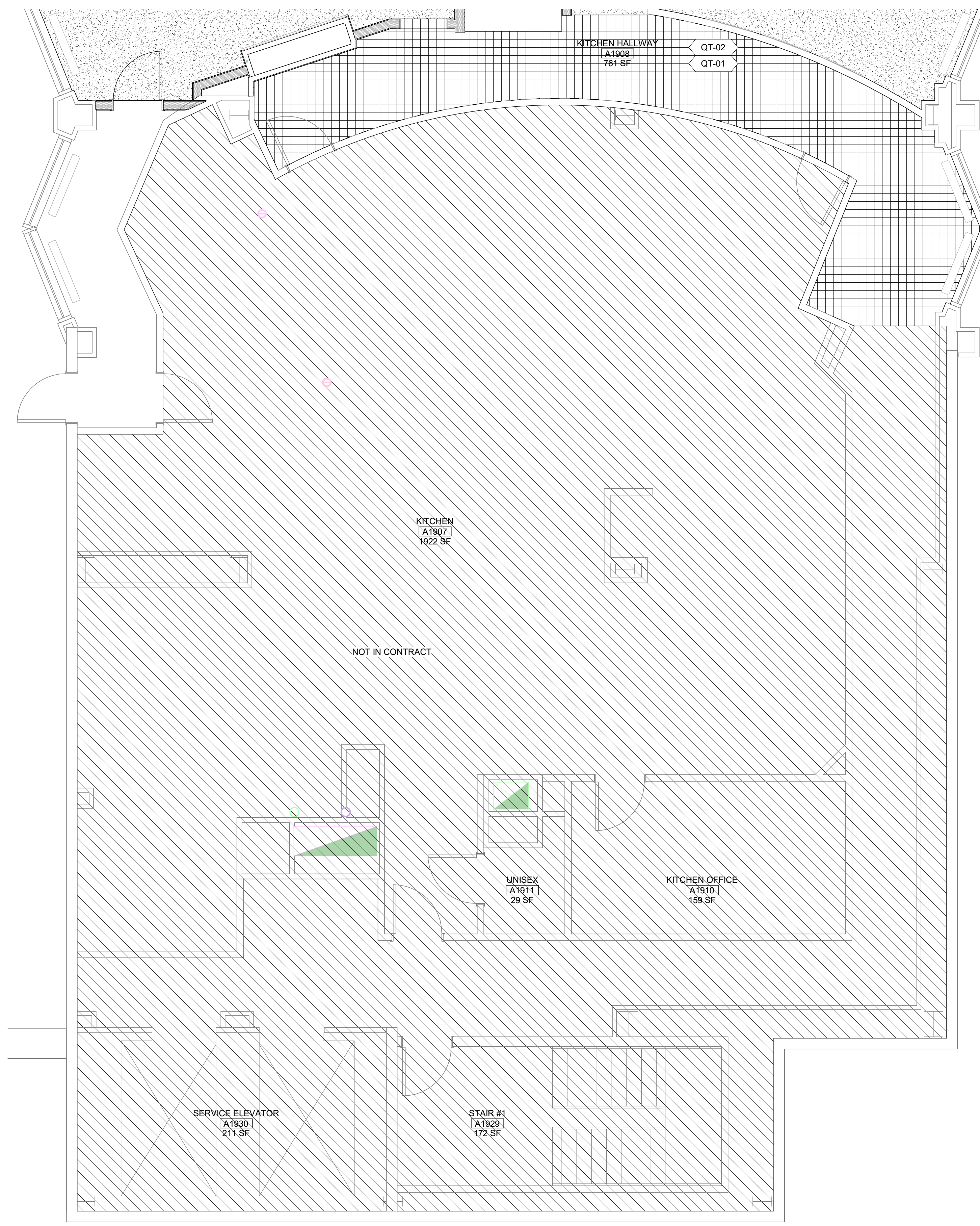
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WGA PROJECT NUMBER: 23-209

PROGRESS DATE:  
22 DECEMBER 2023

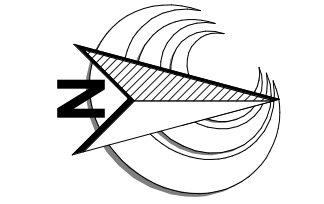
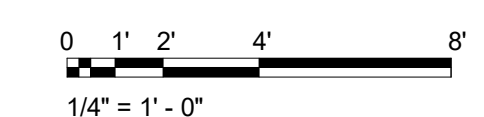
SHEET NUMBER:  
**ID-450**



**2 ENLARGED FF+E PLAN - KITCHEN + BOH**  
A-800 ID-450 SCALE: 1/4" = 1'-0"



**1 ENLARGED FINISH PLAN - KITCHEN + BOH**  
A-800 ID-450 SCALE: 1/4" = 1'-0"



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CONSULTANT:

CLIENT/PROJECT:

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RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
KITCHEN + BOH

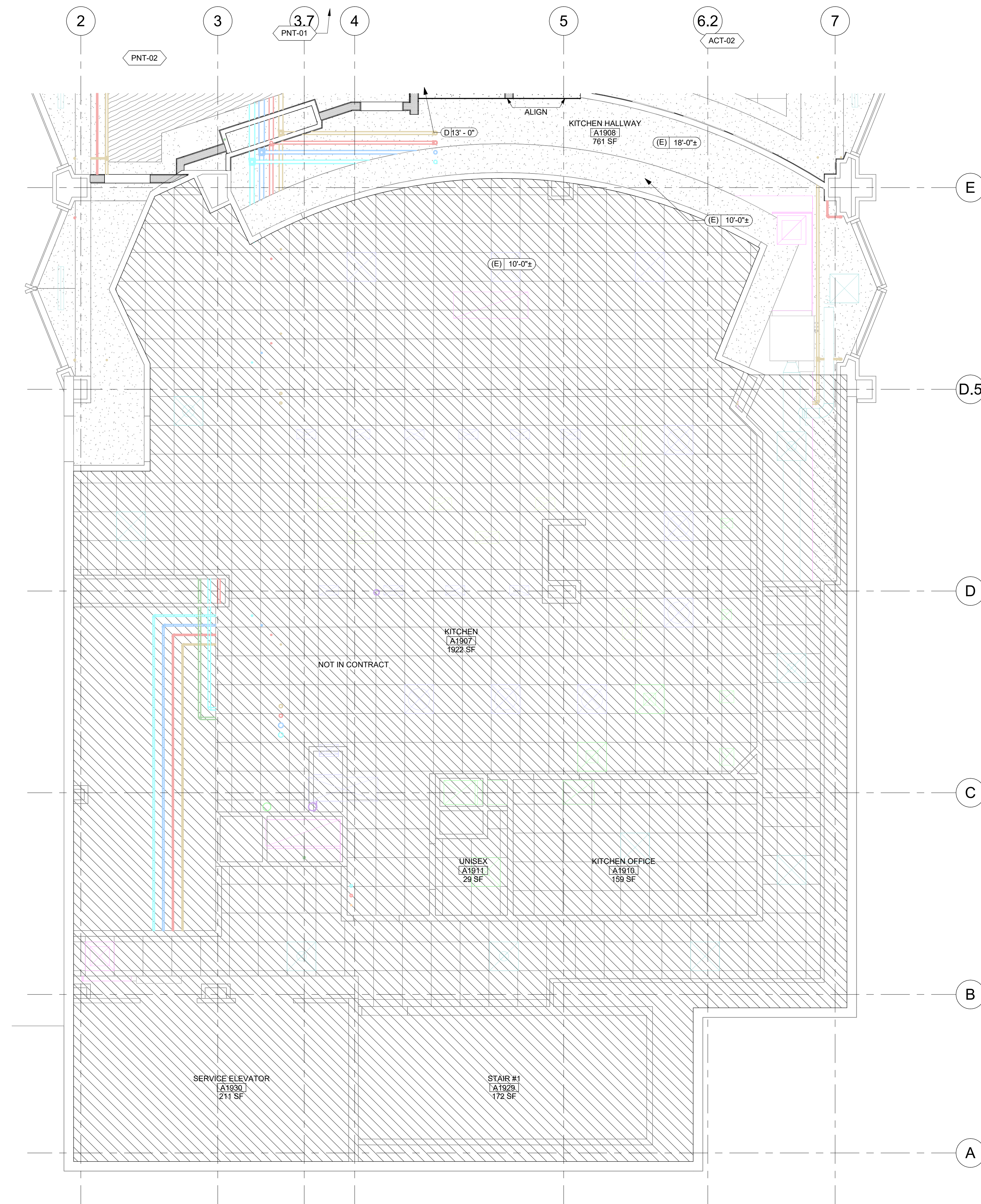
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DRAWING SCALE: 1/4" = 1'-0"  
WGA PROJECT NUMBER: 23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**ID-451**



**1 ENLARGED RCP - KITCHEN + BOH**  
A-800/ID-451 SCALE: 1/4" = 1'-0"

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### LEGEND

SYMBOL	DESCRIPTION
HWS	HOT WATER SUPPLY PIPING
HWR	HOT WATER RETURN PIPING
CHS	CHILLED WATER SUPPLY PIPING
CHR	CHILLED WATER RETURN PIPING
CS	CONDENSER SUPPLY PIPING
CR	CONDENSER RETURN PIPING
CD	CONDENSATE DRAIN PIPING
RS	REFRIGERANT SUCTION PIPING
RL	REFRIGERANT LIQUID PIPING
//////	PIPING TO BE REMOVED
○	BALL/SOV VALVE
□	CHECK VALVE
— — —	BALANCING VALVE
— — —	UNION
— — —	STRAINER
○	GLOBE VALVE
○	BUTTERFLY VALVE
— — —	LUBRICATED PLUG VALVE
— — —	PRESSURE REDUCING VALVE
— — —	THREE WAY CONTROL VALVE
□	SOLENOID VALVE
□	MOTORIZED CONTROL VALVE
— — —	COMBINATION FLOW CONTROL & BALL VALVE
— — —	REDUCED PRESSURE BACKFLOW PREVENTER
— — —	CURB VALVE IN VALVE BOX
○	ANGLE VALVE
— — —	RELIEF VALVE
○	GAUGE COCK VALVE
— — —	THERMOMETER
— — —	TEST PLUG
— — —	AUTOMATIC AIR/MANUAL AIR VENT VALVE
— — —	HOSE END DRAIN VALVE
— — —	HOSE BIB FROSTPROOF WALL HYDRANT
— — —	PIPE ELBOW DOWN
— — —	PIPE TEE DOWN
— — —	PIPE ELBOW UP
— — —	PIPE TEE UP
— — —	PIPE CAP
— — —	SQUARE DUCT ELBOW WITH TURNING VANES
— — —	DOWN AND BACK UP UNDER BEAM/OBSTACLE
— — —	SUPPLY/OUTSIDE AIR
— — —	RETURN AIR
— — —	EXHAUST/GREASE AIR
— — —	LINED DUCTWORK
— — —	TYPE I GREASE EXHAUST DUCT WITH 2 HOUR ENCLOSURE
— — —	DUCTWORK TO BE REMOVED
— — —	FIRE DAMPER
— — —	SMOKE DAMPER
— — —	COMBINATION FIRE AND SMOKE DAMPER
— — —	DUCT DETECTOR
— — —	BAROMETRIC DAMPER
— — —	MOTORIZED DAMPER
— — —	BACKDRAFT DAMPER
— — —	REMOTE OPERATED (YOUNG REGULATOR)
— — —	MANUAL DAMPER
— — —	THERMOSTAT
— — —	TEMPERATURE SENSOR (ON B.A.S.)
— — —	CARBON MONOXIDE SENSOR, INTEC ITS-M5160
— — —	HUMIDISTAT
— — —	ACCESS PANEL
— — —	WORK NOTE
— — —	DEMOLITION NOTE
— — —	REVISION NUMBER
— — —	POINT OF CONNECTION
— — —	POINT OF DISCONNECTION
— — —	AIR FLOW DIRECTION ARROW

EQUIPMENT TAG	DIFFUSER TAG
 EQUIPMENT TYPE EQUIPMENT NUMBER EQUIPMENT LEVEL	 NECK SIZE CFM DIFFUSER TYPE
<b>REHEAT VAV TAG</b>  AIR HANDLER NUMBER WAY NUMBER CFM/GPM BOX SIZE	<b>LINEAR DIFFUSER TAG</b>  FRAME LENGTH CFM DIFFUSER TYPE
<b>PLAN CALLOUT TAG</b>  VIEW NUMBER SHEET NUMBER FOR ENLARGED	

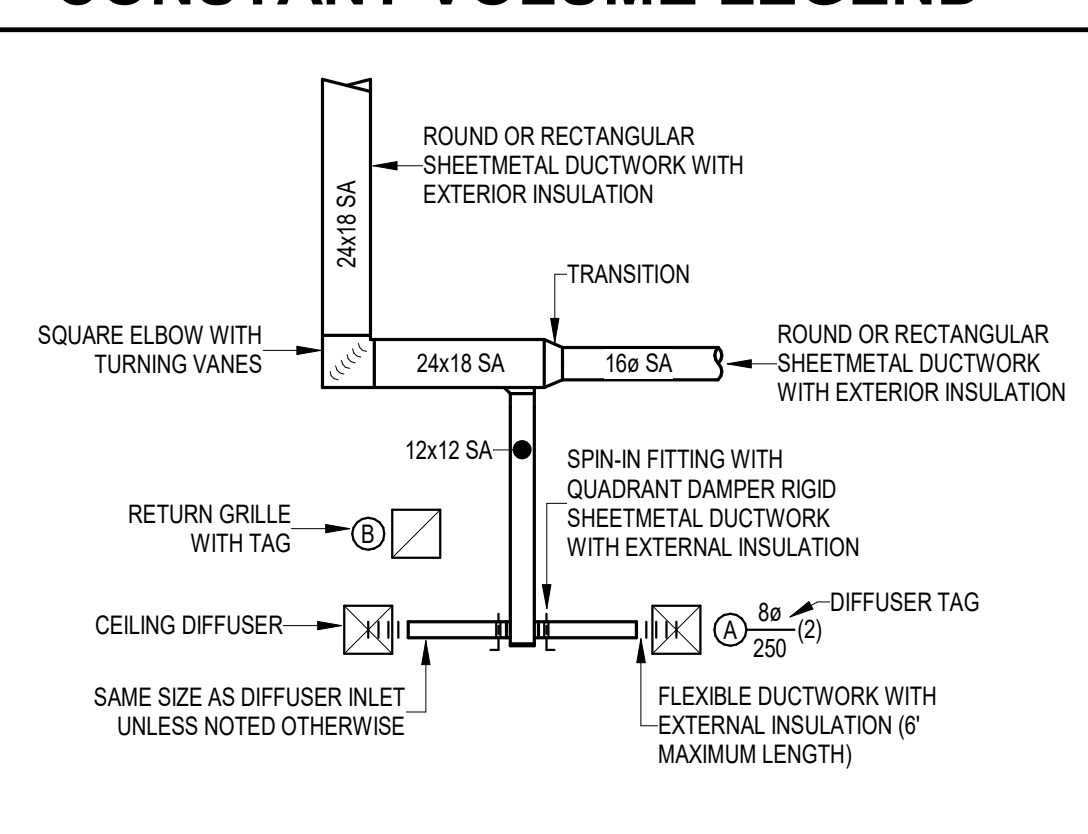
### MECHANICAL ABBREVIATIONS

<b>AABC</b>	AMERICAN AIR BALANCE COUNCIL	<b>MAT</b>	MIXED AIR TEMPERATURE
<b>ACD</b>	AUTOMATIC CONTROL DAMPER	<b>MA</b>	MAKE-UP AIR
<b>ACU(AC)</b>	AIR CONDITIONING UNIT	<b>MAX</b>	MAXIMUM
<b>AD</b>	ACCESS DOOR	<b>MBH</b>	1000 BRITISH THERMAL UNITS PER HOUR
<b>ADA</b>	AMERICANS WITH DISABILITIES ACT	<b>MCA</b>	MINIMUM CIRCUIT AMPS
<b>AFF</b>	ABOVE FINISH FLOOR	<b>MCC</b>	MOTOR CONTROL CENTER
<b>AFUE</b>	ANNUAL FUEL UTILIZATION EFFICIENCY	<b>MD</b>	MOTORIZED DAMPER
<b>AP</b>	ACCESS PANEL	<b>MERV</b>	MINIMUM EFFICIENCY REPORTING VALUE
<b>APD</b>	AIR PRESSURE DROP	<b>MIN</b>	MINIMUM
<b>ASME</b>	AMERICAN SOCIETY OF MECHANICAL ENGINEERS AUTOMATIC	<b>MOCPP</b>	MAXIMUM OVER CURRENT PROTECTION
<b>AUTO</b>	AUTOMATIC	<b>MVD</b>	MANUAL VOLUME DAMPER
<b>B</b>	BOILER	<b>NA</b>	NOT APPLICABLE
<b>BMS</b>	BUILDING AUTOMATION SYSTEM	<b>NC</b>	NORMALLY CLOSED
<b>BHP</b>	BRAKE HORSE POWER	<b>NEBB</b>	NATIONAL ENVIRONMENTAL BALANCING BUREAU
<b>BMS</b>	BUILDING MANAGEMENT SYSTEM	<b>NEC</b>	NATIONAL ELECTRICAL CODE
<b>BOD</b>	BOTTOM OF DUCT	<b>NFPA</b>	NATIONAL FIRE PROTECTION ASSOCIATION
<b>BOS</b>	BOTTOM OF STEEL	<b>NIC</b>	NOT IN CONTRACT
<b>BTU</b>	BRITISH THERMAL UNIT	<b>NO</b>	NORMALLY OPEN
<b>CA</b>	COMBUSTION AIR	<b>NPS</b>	NOMINAL PIPE SIZE
<b>CC</b>	COOLING COIL	<b>NPSHA</b>	NET POSITIVE SUCTION HEAD AVAILABLE
<b>CD</b>	CEILING DIFFUSER	<b>NPSHR</b>	NET POSITIVE SUCTION HEAD REQUIRED
<b>CFM</b>	CUBIC FEET PER MINUTE	<b>NPT</b>	NATIONAL PIPE THREAD
<b>CO</b>	CARBON MONOXIDE		
<b>CO2</b>	CARBON DIOXIDE		
<b>COND</b>	CONDENSER	<b>OA</b>	OUTSIDE AIR
<b>COP</b>	COEFFICIENT OF PERFORMANCE	<b>OED</b>	OPEN END DUCT
<b>CT</b>	COOLING TOWER	<b>OFICI</b>	OWNER FURNISHED CONTRACTOR INSTALLED
<b>CU</b>	CONDENSING UNIT		
<b>CV</b>	CONSTANT VOLUME	<b>PD</b>	PRESSURE DROP
<b>CWP</b>	CONDENSER WATER PUMP	<b>PH</b>	PHASE
<b>DB</b>	DRY BULB TEMPERATURE	<b>PPM</b>	PARTS PER MILLION
<b>DC</b>	DIRECT CURRENT	<b>PRV</b>	PRESSURE REDUCING VALVE
<b>DIG</b>	DIRECT DIGITAL CONTROL		
<b>DIA(Ø)</b>	DIAMETER	<b>PSI</b>	POUND PER SQUARE INCH
<b>DIFF</b>	DIFFUSER	<b>PSIA</b>	POUND PER SQUARE INCH ABSOLUTE
<b>DP</b>	DIFFERENTIAL PRESSURE	<b>PSIG</b>	POUND PER SQUARE INCH GAUGE
<b>DX</b>	DIRECT EXPANSION		
<b>E</b>	EXISTING	<b>R</b>	RELOCATED
<b>EA</b>	EXHAUST AIR	<b>RA</b>	RETURN AIR
<b>EAT</b>	ENTERING AIR TEMPERATURE	<b>RE:</b>	REFERENCE
<b>EER</b>	ENERGY EFFICIENCY RATIO	<b>REFR</b>	REFRIGERANT
<b>EF</b>	EXHAUST FAN	<b>RH</b>	RELATIVE HUMIDITY
<b>EFF</b>	EFFICIENCY	<b>RPM</b>	REVOLUTIONS PER MINUTE
<b>EMCS</b>	ENERGY MANAGEMENT CONTROL SYSTEM	<b>RTU</b>	ROOFTOP UNIT
<b>EMI</b>	ELECTROMAGNETIC INTERFERENCE	<b>SA</b>	SUPPLY AIR
<b>ESP</b>	EXTERNAL STATIC PRESSURE	<b>SD</b>	SMOKE DAMPER
<b>ET</b>	EXPANSION TANK	<b>SEER</b>	SEASONAL ENERGY EFFICIENCY RATIO
<b>EAT</b>	ENTERING WATER TEMPERATURE	<b>SF</b>	SUPPLY FAN
<b>EXH</b>	EXHAUST	<b>SH</b>	STATIC HEAD
		<b>SOV</b>	SHUT-OFF VALVE
		<b>SP</b>	STATIC PRESSURE
		<b>SQ.FT.</b>	SQUARE FEET
<b>*F</b>	DEGREES FAHRENHEIT	<b>TAB</b>	TESTING AND BALANCING
<b>FLA</b>	FULL LOAD AMPS	<b>TD</b>	TEMPERATURE DIFFERENCE
<b>FM</b>	FLOW METER	<b>TDH</b>	TOTAL DEVELOPED HEAD
<b>FPM</b>	FEET PER MINUTE	<b>TEL</b>	TOTAL EQUIVALENT LENGTH
<b>FPS</b>	FEET PER SECOND	<b>TEMP(T)</b>	TEMPERATURE
<b>FT</b>	FEET	<b>TF</b>	TRANSFER FAN
<b>G</b>	GAUGE	<b>TSP</b>	TOTAL STATIC PRESSURE
<b>GAL</b>	GALLONS	<b>TU</b>	TERMINAL UNIT
<b>GBS</b>	GALVANIZED BIRD SCREEN	<b>TYP</b>	TYPICAL
<b>GEA</b>	GREASE EXHAUST AIR		
<b>GPM</b>	GALLONS PER MINUTE	<b>UNO</b>	UNLESS NOTED OTHERWISE
<b>HOA</b>	HAND OFF AUTO	<b>V</b>	VOLT
<b>HP</b>	HORSE POWER	<b>VD</b>	VOLUME DAMPER (MANUAL)
<b>HR</b>	HOUR	<b>VEL</b>	VELOCITY
<b>HWP</b>	HOT WATER PUMP	<b>VFD</b>	VARIABLE FREQUENCY DRIVE
<b>HX</b>	HEAT EXCHANGER		
<b>HZ</b>	HERTZ	<b>W</b>	WETT WIDTH
<b>IE</b>	INVERT ELEVATION	<b>WB</b>	WET BULB TEMPERATURE
<b>IN</b>	INCH	<b>WC</b>	WATER COLUMN
<b>IWC</b>	INCHES WATER COLUMN	<b>WG</b>	WATER GAUGE
<b>KW</b>	KILOWATT	<b>WP</b>	WATER PRESSURE
		<b>WPD</b>	WATER PRESSURE DROP
<b>L</b>	LENGTH	<b>WT</b>	WEIGHT
<b>LAT</b>	LEAVING AIR TEMPERATURE		
<b>LBS</b>	POUNDS		
<b>LWT</b>	LEAVING WATER TEMPERATURE		

### PIPING NOTATION

<b>X" HWS (XXXX)</b>	X" HOT WATER SUPPLY WITH XXXX GPM OF FLOW
<b>X" HWR (XXXX)</b>	X" HOT WATER RETURN WITH XXXX GPM OF FLOW
<b>X" CHS (XXXX)</b>	X" CHILLED WATER SUPPLY WITH XXXX GPM OF FLOW
<b>X" CHR (XXXX)</b>	X" CHILLED WATER RETURN WITH XXXX GPM OF FLOW
<b>X" CS (XXXX)</b>	X" CONDENSER SUPPLY WITH XXXX GPM OF FLOW
<b>X" CR (XXXX)</b>	X" CONDENSER RETURN WITH XXXX GPM OF FLOW

### CONSTANT VOLUME LEGEND



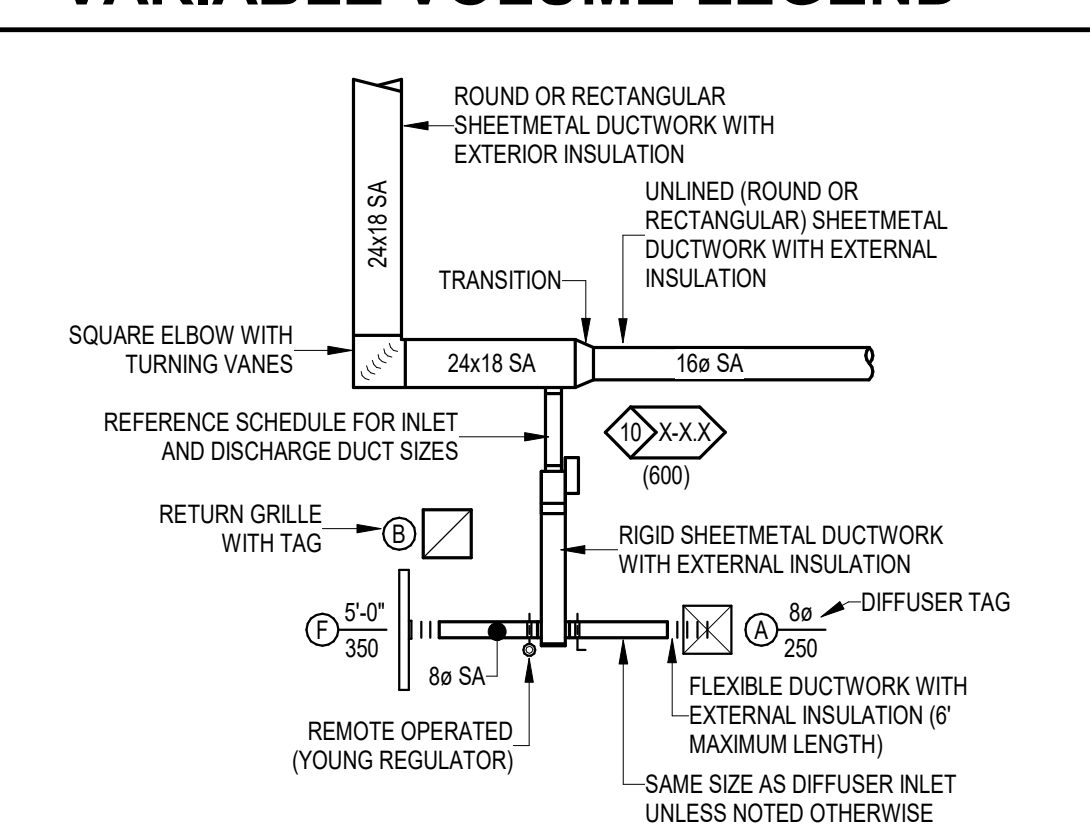
### GENERAL NOTES

- REFER TO SPECIFICATION DIVISION 23 FOR ALL MECHANICAL SYSTEMS.
- COORDINATE ALL MECHANICAL SYSTEMS, DUCT ROUTING AND MECHANICAL PIPING WITH ALL OTHER TRADES. PROVIDE NECESSARY ELBOWS AND BENDS FOR A COMPLETE AND OPERATIONAL SYSTEM.
- PROVIDE SAME SIZE DUCT CONNECTIONS TO AIR OUTLETS, AIR INLETS, VARIABLE VOLUME TERMINALS, AND BOXES UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL GENERAL EXHAUST DUCTWORK SHALL BE GALVANIZED SHEETMETAL WITHOUT DUCT LINER.
- PROVIDE FABRICATED STAINLESS STEEL OR ALUMINUM DUCTWORK WITH CONTINUOUS WELDED JOINT SEALED JOINTS FOR MOISTURE LADEN EXHAUST SLOPED TO TYPE 2 KITCHEN HOOD.
- INSTALL 16G STEEL CONSTRUCTION WITH CONTINUOUS WELDED DUCTWORK FOR TYPE 1 KITCHEN EXHAUST HOODS. LOCATE DUCT CLEANOUTS EVERY 10 FEET OR AT EVERY CHANGE IN DIRECTION. PROVIDE DUCT SUMPS WITH DRAIN TO NEAREST FLOOR SINK. COMPLY WITH NFPA 96.
- INTERLOCK EXHAUST FANS WITH ASSOCIATED KITCHEN APPLIANCE; OVEN HOODS AND DISHWASHERS.
- MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED TWENTY-FIVE (25) AND A SMOKE-DEVELOPED INDEX NOT TO EXCEED FIFTY (50) WHEN TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ASTM E84 OR UL 723.
- PROVIDE SHEETMETAL PAN UNDER ALL MECHANICAL AND DRAINAGE PIPING ROUTED OVER KITCHENS.
- PROVIDE 1" DUCT LINING ON ALL SUPPLY AND RETURN AIR DUCTS A MINIMUM OF 25 FEET FROM AIR HANDLER. PROVIDE ADDITIONAL 2" EXTERIOR DUCT INSULATION FOR MECHANICAL SYSTEMS SERVING SOUND SENSITIVE AREAS.
- PROVIDE SHEETMETAL SADDLE AROUND PIPING INSULATION AT ALL PIPE SUPPORT LOCATIONS. PIPE SUPPORT ANCHORED TO STRUCTURAL STEEL OR CONCRETE STRUCTURE.
- COORDINATE ALL REQUIRED ACCESS AND MANUFACTURER MINIMUM CLEARANCES OR CODE REQUIREMENTS TO MECHANICAL EQUIPMENT AND VALVE LOCATIONS.
- INSTALL 30x30 ACCESS PANELS AT GYPSOBOARD CEILINGS OR WALL TO ACCESS ALL VALVES, MOTORS, CONTROLS, BALANCING DAMPERS, FIRE DAMPERS AND MECHANICAL EQUIPMENT. PROVIDE FIRE RATED ACCESS PANELS INSTALLED IN FIRE RATED WALLS OR CEILINGS. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- COORDINATE ALL MECHANICAL EQUIPMENT CONCRETE HOUSEKEEPING PAD OR PLATFORM WITH STRUCTURAL WITH EQUIPMENT PHYSICAL DIMENSION, ENGINEER AND ARCHITECT. LEVEL ALL HOUSEKEEPING PADS AND PLATFORMS PRIOR TO INSTALLATION OF MECHANICAL EQUIPMENT.
- RESOLVE ALL QUESTIONS OR CONFLICTS WITH ENGINEER PRIOR TO ORDERING EQUIPMENT, MATERIAL FABRICATION OR INSTALLATION.
- COORDINATE ALL STRUCTURAL PENETRATIONS AND OPENINGS WITH STRUCTURAL ENGINEER FOR APPROVAL.
- COORDINATE ALL REQUIRED RETURN AIR WALL OPENINGS ABOVE CEILING, DOOR LOUVERS, AND DOOR UNDERCUTS AS INDICATED ON THE PLANS WITH ARCHITECT. PROVIDE WALL OPENING IN FULL HEIGHT WALLS ABOVE CEILING FOR RETURN AIR PATH BACK TO AIR HANDLER.
- INSTALL FULL SIZE CONDENSATE DRAIN WITH TRAP SEAL DEPTH EQUAL TO 1.5 X UNIT TOTAL STATIC PRESSURE FOR EACH COOLING COIL. DISCHARGE DRAIN TO APPROVED RECEPTOR OR AS SHOWN ON PLANS.
- SEAL ALL WALL AND ROOF PENETRATIONS WATERTIGHT WITH SILICONE CAULKING AND BACKER ROD.
- LOCATE ALL VAV TERMINALS, FAN COIL UNITS AND HEATING COILS 18-24 INCHES ABOVE CEILING FOR ACCESS.
- MOUNT AIR HANDLING EQUIPMENT, VAV, FAN COIL UNIT SENSORS, THERMOSTAT AND INDOOR AIR QUALITY AIR SENSOR 54" AFF. COORDINATE LOCATION AND HEIGHT REQUIREMENTS WITH ARCHITECT.
- PROVIDE TAMPER PROOF COVERS AT ALL ADJUSTABLE THERMOSTAT LOCATIONS.
- PROVIDE NON-CORROSIVE OR EPOXY COATING WITH PVC DUCT LINING FOR ALL EXHAUST SYSTEMS AND ASSOCIATED EXHAUST GRILLES SERVING POOL CHEMICAL ROOMS.
- DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. CONTRACTOR TO ACCOUNT FOR DUCT LINER WHERE INDICATED ON DRAWINGS.
- PROVIDE SMOKE DETECTOR ON AIR MOVING SYSTEMS GREATER THAN 2000 CFM ON A SINGLE ZONE / PLENUM.
- INSTALL FLEXIBLE DUCT CONNECTIONS ON RETURN AIR, SUPPLY AIR, EXHAUST/RELIEF AIR, OUTSIDE AIR DUCT CONNECTION TO AIR HANDLING EQUIPMENT.
- INSTALL APPROVED EXPANSION JOINTS ON DUCT AND MECHANICAL PIPING MAINS PASSING THROUGH BUILDING EXPANSION JOINTS.
- PROVIDE CONDENSATE DRAINS WITH APPROPRIATE TRAP TO FAN COIL UNITS AND AIR HANDLERS. FAN COIL UNIT EMERGENCY DRAIN PAN DRAIN TO TERMINATE AT CEILING ABOVE PLUMBING FIXTURES WHERE POSSIBLE OR CONSPICUOUS LOCATION. PROVIDE CHROME FINISH GROMMET AT DRAIN TERMINAL LOCATION AT CEILING.
- INTERLOCK FIRE/SMOKE, FIRE DAMPER, MOTORIZED DAMPER WITH ASSOCIATED AIR HANDLER AND BMS OR FIRE COMMAND CENTER. PROVIDE ELECTRICAL POWER OR LOW VOLTAGE WHERE REQUIRED.
- COORDINATE ALL REQUIRED FIRE/SMOKE DAMPER AND FIRE DAMPER LOCATIONS WITH FIRE LIFE SAFETY CONSULTANT. COORDINATE LOCATION AND ACCESSIBILITY REQUIREMENTS WITH ARCHITECT.
- PROTECT AND COVER ALL DUCTWORK EXPOSED TO DUST AND MOISTURE DELIVERED TO THE SITE FOR INSTALLATION. REPLACE ALL DAMAGED OR WET INSULATION DUE TO DELIVERY OR STORAGE ON SITE.
- CLEAN AND VACUUM ALL EQUIPMENT AND ASSOCIATED DUCTWORK SYSTEMS PRIOR TO SYSTEM START-UP FOR NORMAL OPERATION.
- MECHANICAL SYSTEMS DESIGNED TO BE IN FIXED POSITION SHALL BE SECURELY FASTENED IN PLACE IN ACCORDANCE WITH MANUFACTURER INSTALLATION REQUIREMENTS AND BUILDING CODE.
- AIR CONDITIONING REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE PROTECTED FROM UNAUTHORIZED ACCESS. COORDINATE CONDENSING UNIT ENCLOSURE WITH ARCHITECT.
- ALL EQUIPMENT SHALL BE LABELED AS INDICATED ON THE SCHEDULE WITH SPACE DESCRIPTION IT SERVES.
- EXHAUST DUCT TERMINALS SHALL TERMINATE A MINIMUM OF 3 FEET FROM PROPERTY LINE AND BUILDING OPENINGS, TEN (10) FEET FROM FORCED AIR INLETS.
- APPLIANCE AND PLUMBING VENTS SHALL HAVE A MINIMUM OF TEN (10) FEET IN HORIZONTAL DIRECTION OR 3 FEET ABOVE HVAC OUTSIDE AIR INTAKES OPENING.
- PROVIDE 1/4" WIRE MESH ON ALL OUTSIDE AIR INTAKES AND LOUVERED OPENINGS.
- ALL DUCTWORK SHALL BE LEAK TESTED IN ACCORDANCE WITH SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL.
- DUCTS, PLENUMS, OR FITTINGS OF METAL SHALL COMPLY WITH SMACNA DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
- ENVIRONMENTAL EXHAUST DUCTS, POSITIVE PRESSURE DUCTS, ROUTED THROUGH PLENUMS SHALL BE RIGID DUCT AND FITTINGS WITH ALL JOINTS SEALED WITH HARD CAST OR HIGH VELOCITY DUCT SEALANT.

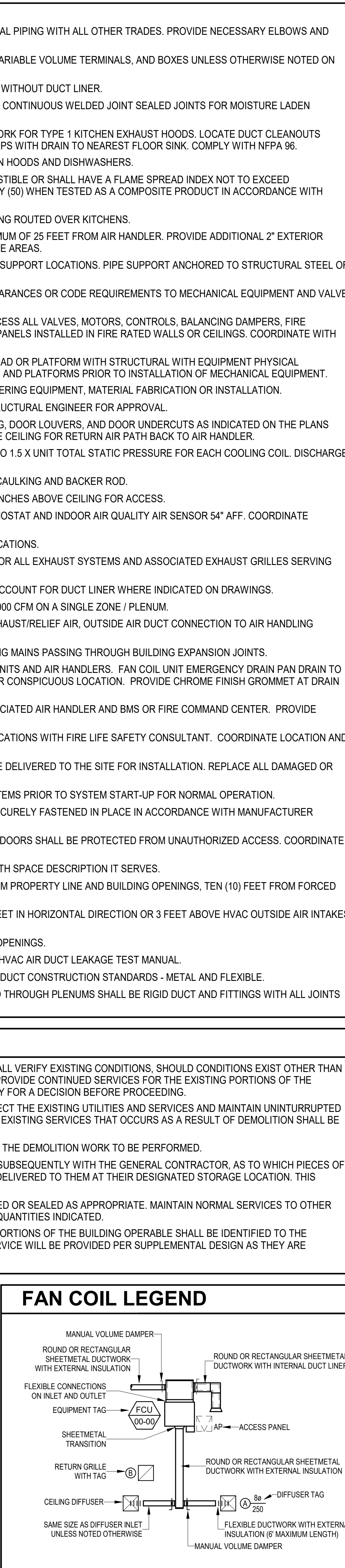
### DEMOLITION GENERAL NOTES

- PRIOR TO COMMENCING WORK ON THIS PROJECT, THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED AND WHICH ALTER DESIGN INDICATED OR ABILITY TO PROVIDE CONTINUED SERVICES FOR THE EXISTING PORTIONS OF THE BUILDING, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR A DECISION BEFORE PROCEEDING.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE TO THE EXISTING PORTIONS OF THE BUILDING. ANY DAMAGE TO EXISTING SERVICES THAT OCCURS AS A RESULT OF DEMOLITION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- EXISTING MECHANICAL SHOWN IS PROVIDED TO DEVELOP THE SCOPE OF THE DEMOLITION WORK TO BE PERFORMED.
- THE CONTRACTOR WILL NEED TO COMMUNICATE WITH THE OWNER AND SUBSEQUENTLY WITH THE GENERAL CONTRACTOR, AS TO WHICH PIECES OF EQUIPMENT TO BE DEMOLISHED THAT THE OWNER WILL WANT TO HAVE DELIVERED TO THEM AT THEIR DESIGNATED STORAGE LOCATION. THIS CORRESPONDENCE SHOULD BE COMPLETE PRIOR TO BEGINNING WORK.
- ALL DUCTWORK AND PIPING SHOWN TO BE DEMOLISHED SHALL BE CAPPED OR SEALED AS APPROPRIATE. MAINTAIN NORMAL SERVICES TO OTHER PARTS OF THE BUILDING. RE-BALANCE ALL EXISTING EQUIPMENT TO AIR QUANTITIES INDICATED.
- TEMPORARY SERVICES REQUIRED TO BE INSTALLED TO KEEP EXISTING PORTIONS OF THE BUILDING OPERABLE SHALL BE IDENTIFIED TO THE ARCHITECT AS DETERMINED IN THE FIELD. TEMPORARY MECHANICAL SERVICE WILL BE PROVIDED PER SUPPLEMENTAL DESIGN AS THEY ARE IDENTIFIED.

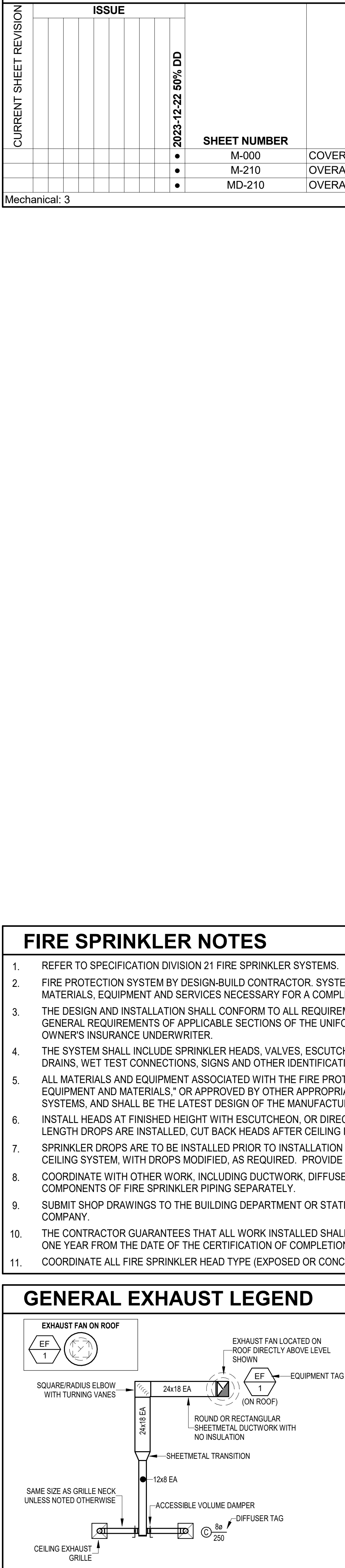
### VARIABLE VOLUME LEGEND



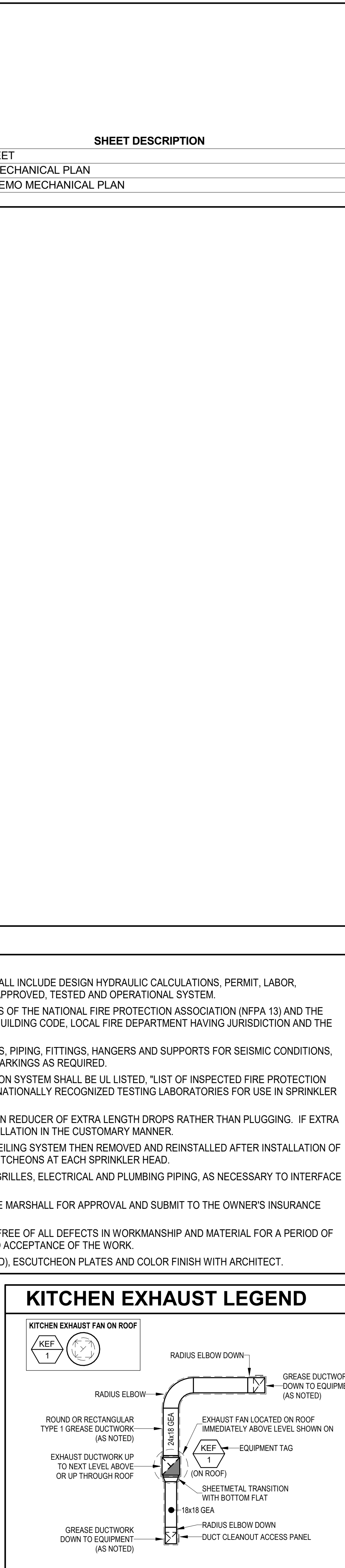
### FAN COIL LEGEND



### GENERAL EXHAUST LEGEND



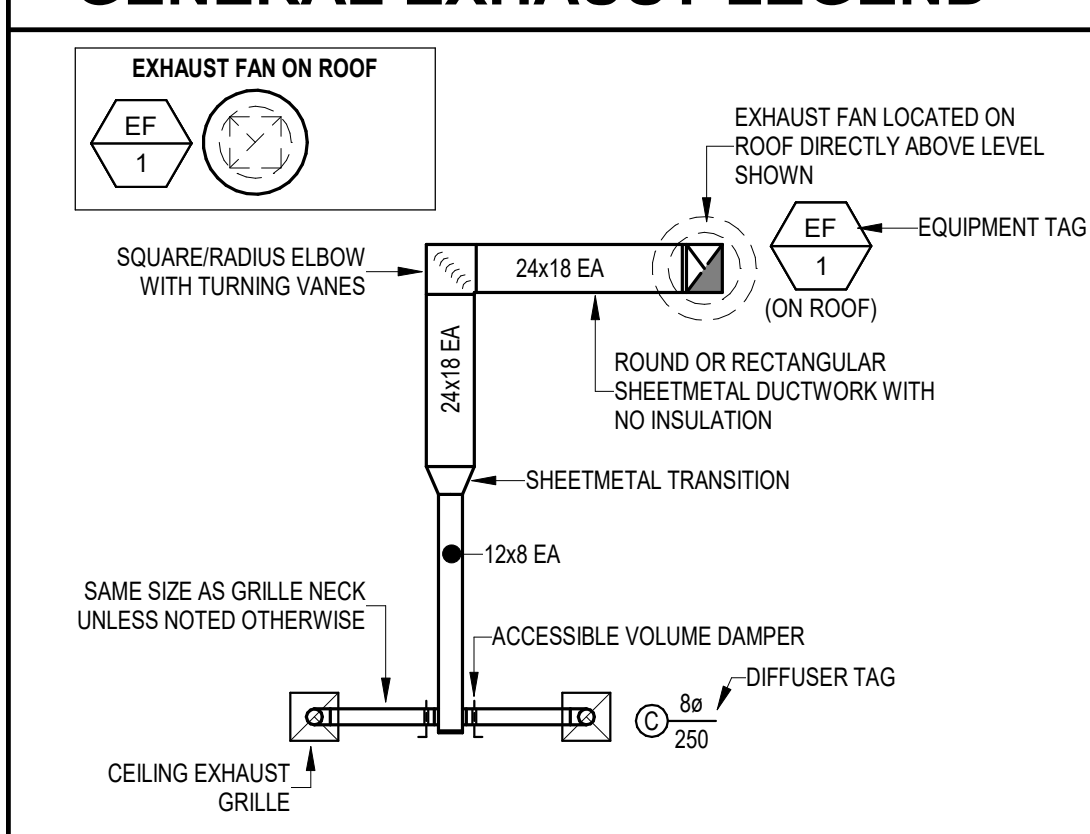
### KITCHEN EXHAUST LEGEND



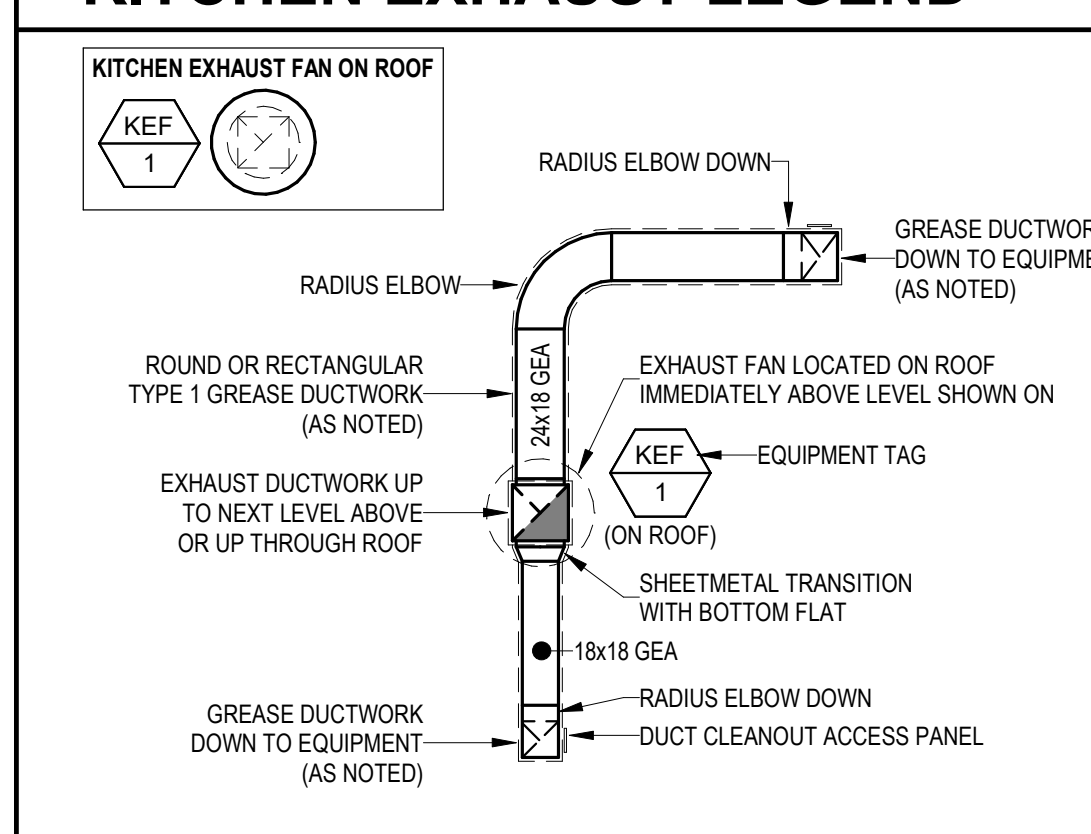
### FIRE SPRINKLER NOTES

- REFER TO SPECIFICATION DIVISION 21 FIRE SPRINKLER SYSTEMS.
- FIRE PROTECTION SYSTEM BY DESIGN-BUILD CONTRACTOR. SYSTEM SHALL INCLUDE DESIGN HYDRAULIC CALCULATIONS, PERMIT, LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR A COMPLETE APPROVED, TESTED AND OPERATIONAL SYSTEM.
- THE DESIGN AND INSTALLATION SHALL CONFORM TO ALL REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 13) AND THE GENERAL REQUIREMENTS OF APPLICABLE SECTIONS OF THE UNIFORM BUILDING CODE, LOCAL FIRE DEPARTMENT HAVING JURISDICTION AND THE OWNER'S INSURANCE UNDERWRITER.
- THE SYSTEM SHALL INCLUDE SPRINKLER HEADS, VALVES, ESCUTCHEONS, PIPING, FITTINGS, HANGERS AND SUPPORTS FOR SEISMIC CONDITIONS, DRAINS, WET TEST CONNECTIONS, SIGNS AND OTHER IDENTIFICATION MARKINGS AS REQUIRED.
- ALL MATERIALS AND EQUIPMENT ASSOCIATED WITH THE FIRE PROTECTION SYSTEM SHALL BE UL LISTED, "LIST OF INSPECTED FIRE PROTECTION EQUIPMENT AND MATERIALS," OR APPROVED BY OTHER APPROPRIATE, NATIONALLY RECOGNIZED TESTING LABORATORIES FOR USE IN SPRINKLER SYSTEMS, AND SHALL BE THE LATEST DESIGN OF THE MANUFACTURER.
- INSTALL HEADS AT FINISHED HEIGHT WITH ESCUTCHEON, OR DIRECTLY IN REDUCER OF EXTRA LENGTH DROPS RATHER THAN PLUGGING. IF EXTRA LENGTH DROPS ARE INSTALLED, CUT BACK HEADS AFTER CEILING INSTALLATION IN THE CUSTOMARY MANNER.
- SPRINKLER DROPS ARE TO BE INSTALLED PRIOR TO INSTALLATION OF CEILING SYSTEM THEN REMOVED AND REINSTALLED AFTER INSTALLATION OF CEILING SYSTEM, WITH DROPS MODIFIED, AS REQUIRED. PROVIDE ESCUTCHEONS AT EACH SPRINKLER HEAD.
- COORDINATE WITH OTHER WORK, INCLUDING DUCTWORK, DIFFUSERS, GRILLES, ELECTRICAL AND PLUMBING PIPING, AS NECESSARY TO INTERFACE COMPONENTS OF FIRE SPRINKLER PIPING SEPARATELY.
- SUBMIT SHOP DRAWINGS TO THE BUILDING DEPARTMENT OR STATE FIRE MARSHALL FOR APPROVAL AND SUBMIT TO THE OWNER'S INSURANCE COMPANY.
- THE CONTRACTOR GUARANTEES THAT ALL WORK INSTALLED SHALL BE FREE OF ALL DEFECTS IN WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE CERTIFICATION OF COMPLETION AND ACCEPTANCE OF THE WORK.
- COORDINATE ALL FIRE SPRINKLER HEAD TYPE (EXPOSED OR CONCEALED), ESCUTCHEON PLATES AND COLOR FINISH WITH ARCHITECT.

### EXHAUST FAN ON ROOF



### KITCHEN EXHAUST FAN ON ROOF



MECHANICAL: 3

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CLIENT/PROJECT:

**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION		
COVER SHEET		

50% DD

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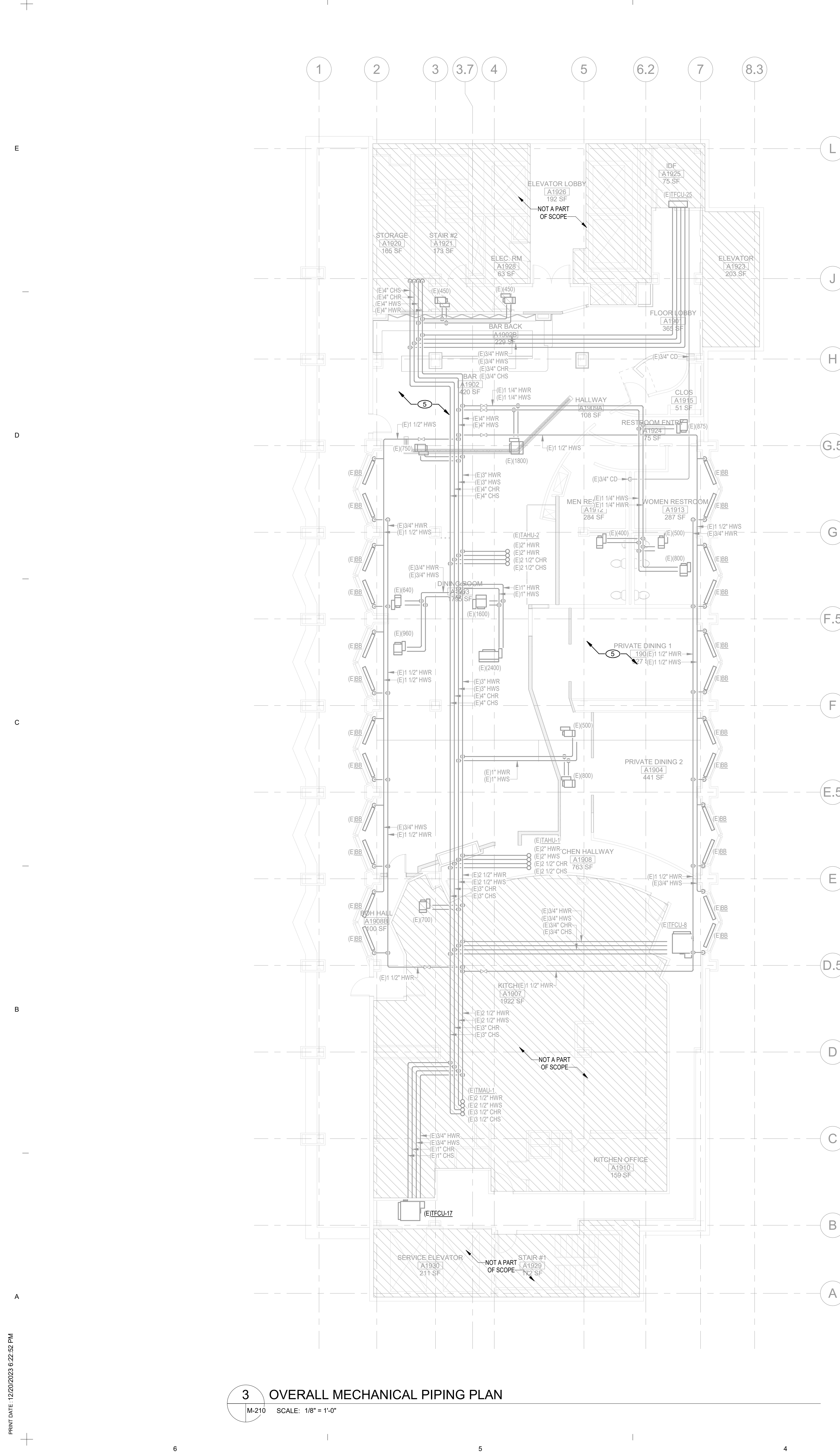
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1/8" = 1'-0"

PROGRESS DATE: 22 DECEMBER 2023

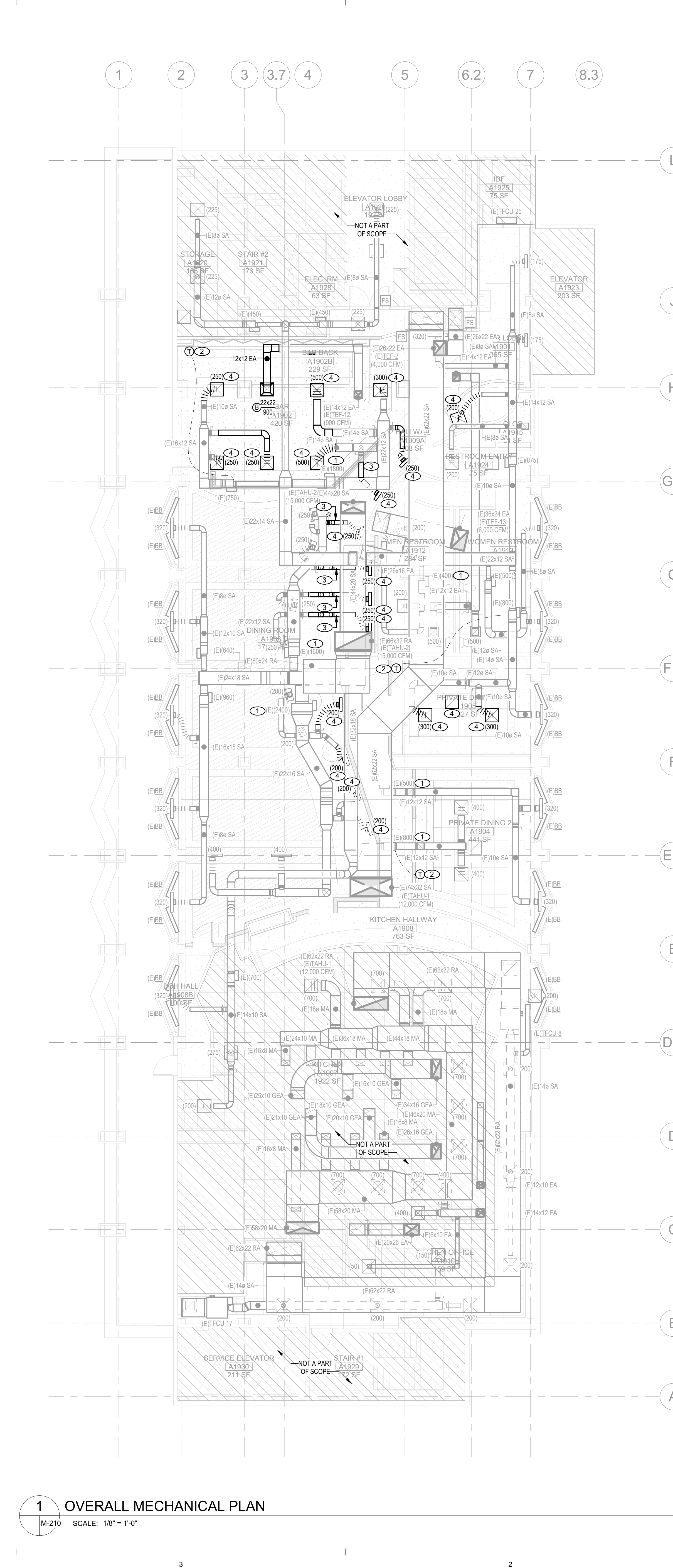
SHEET NUMBER: M-000





**3 OVERALL MECHANICAL PIPING PLAN**  
M-210 SCALE: 1/8" = 1'-0"

PRINT DATE: 12/20/2023 8:22:52 PM



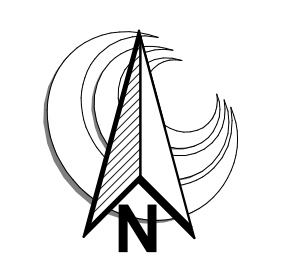
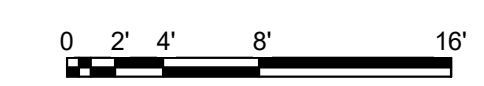
**1 OVERALL MECHANICAL PLAN**  
M-210 SCALE: 1/8" = 1'-0"

**GENERAL NOTES** (THIS SHEET ONLY)

- PRIOR TO COMMENCING WORK ON THIS PROJECT, CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED AND WHICH ALTER THE INTENDED DESIGN OR ABILITY TO PERFORM, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR A DECISION BEFORE PROCEEDING.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE TO THE EXISTING PORTIONS OF THE BUILDING. ANY DAMAGE TO EXISTING SERVICES THAT OCCURS AS A RESULT OF WORK SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- MECHANICAL SHOWN IS PROVIDED TO DEVELOP THE SCOPE OF CONSTRUCTION WORK TO BE PERFORMED. EXISTING SHOWN LIGHT CONSTRUCTION WORK SHOWN BOLD. SHADED REGION IS OUTSIDE SCOPE OF WORK UNLESS NOTED OTHERWISE.
- ALL DUCTWORK AND PIPING SHOWN TO BE NEW SHALL BE SEALED AS APPROPRIATE. MAINTAIN NORMAL SERVICES TO OTHER PARTS OF THE BUILDING. RE-BALANCE TO QUANTITIES INDICATED.
- EXISTING INFORMATION SHOWN IS BASED ON AVAILABLE INFORMATION.
- REFURBISH OR REPLACE EXISTING AIR TERMINALS AND DUCT ACCESSORIES.

**WORK NOTES** (THIS SHEET ONLY)

- PROVIDE ACCESS PANEL FOR EXISTING EQUIPMENT TO REMAIN.
- NEW PROPOSED LOCATION FOR EXISTING THERMOSTAT.
- NEW SHEET METAL DUCTWORK EXTENDED TO NEW AIR TERMINAL LOCATION.
- NEW PROPOSED LOCATION FOR EXISTING AIR TERMINAL.
- EXISTING WORK TO REMAIN.



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CLIENT/PROJECT:

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CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION:  
**OVERALL MECHANICAL PLAN**

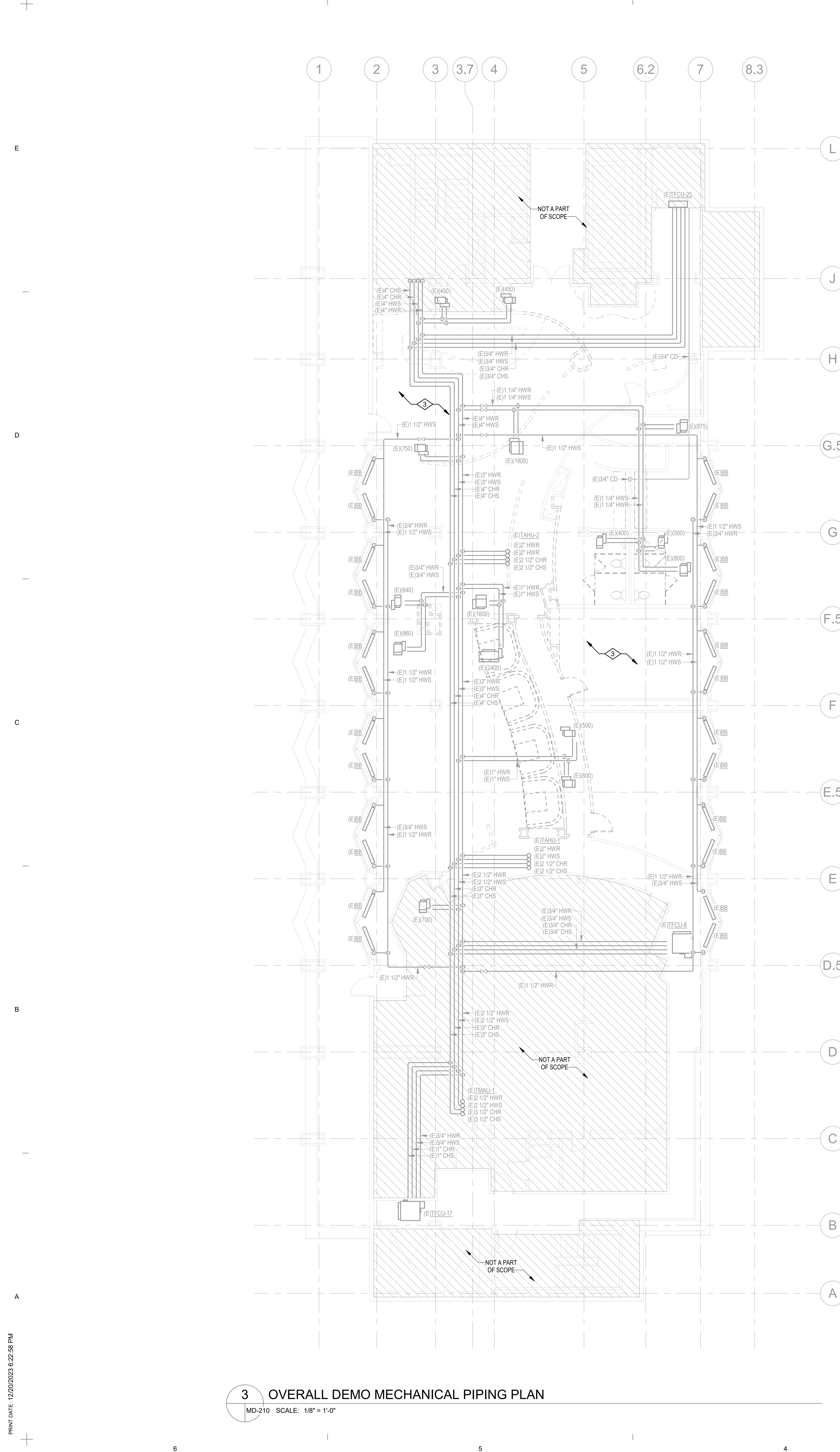
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DRAWING SCALE: 1/8" = 1'-0"  
WG PROJECT NUMBER: 23-209

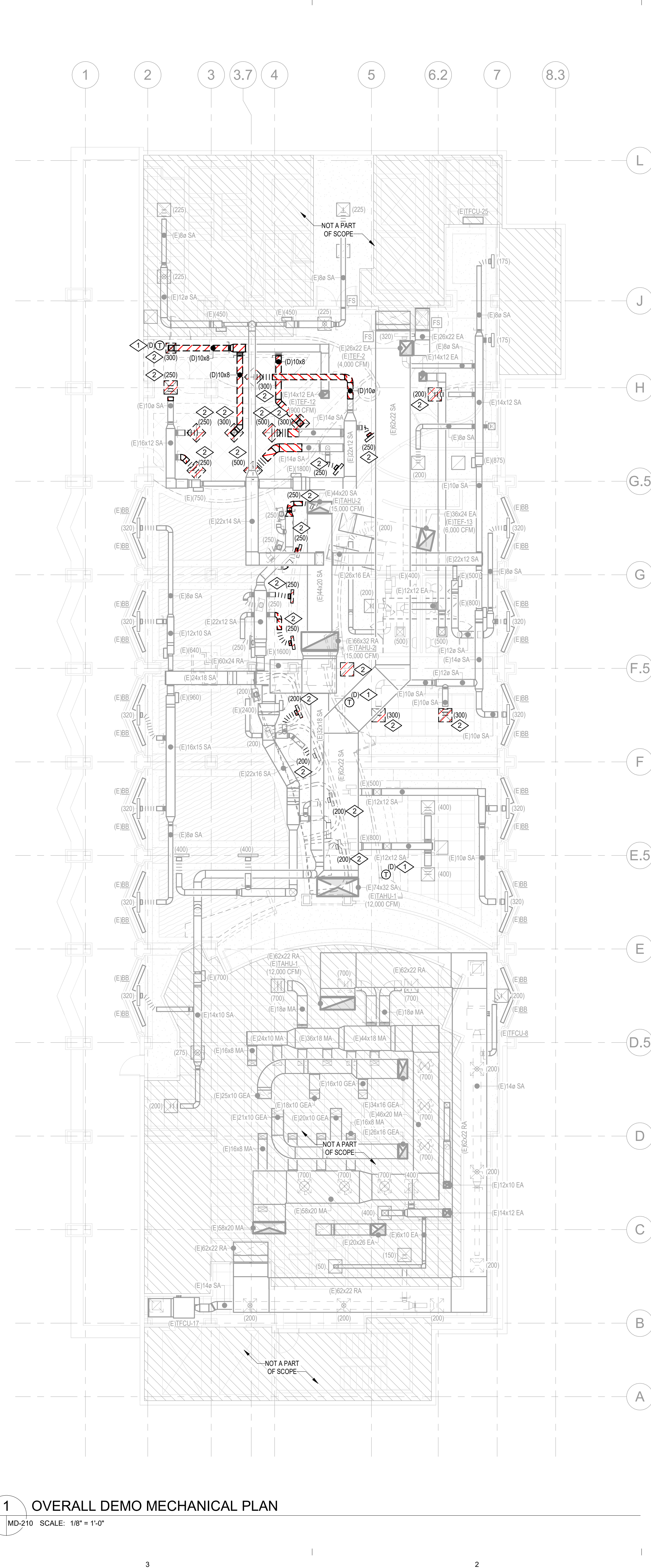
PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**M-210**





**3 OVERALL DEMO MECHANICAL PIPING PLAN**  
 MD-210 SCALE: 1/8" = 1'-0"



**1 OVERALL DEMO MECHANICAL PLAN**  
 MD-210 SCALE: 1/8" = 1'-0"

**GENERAL NOTES** (THIS SHEET ONLY)

- PRIOR TO COMMENCING WORK ON THIS PROJECT, CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED AND WHICH ALTER THE INTENDED DESIGN OR ABILITY TO PERFORM, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR A DECISION BEFORE PROCEEDING.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE TO THE EXISTING PORTIONS OF THE BUILDING. ANY DAMAGE TO EXISTING SERVICES THAT OCCURS AS A RESULT OF WORK SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- EXISTING MECHANICAL SHOWN IS PROVIDED TO DEVELOP THE SCOPE OF DEMOLITION WORK TO BE PERFORMED. EXISTING SHOWN LIGHT. DEMOLITION WORK SHOWN BOLD. SHADED REGION IS OUTSIDE SCOPE OF WORK UNLESS NOTED OTHERWISE.
- ALL DUCTWORK AND PIPING SHOWN TO BE DEMOLISHED SHALL BE CAPPED OR SEALED AS APPROPRIATE. MAINTAIN NORMAL SERVICES TO OTHER PARTS OF THE BUILDING.
- EXISTING INFORMATION SHOWN IS BASED ON AVAILABLE INFORMATION.

**DEMO NOTES** (THIS SHEET ONLY)

- ◊ REMOVE EXISTING THERMOSTAT AND STORE WITHIN SAFE LOCATION FOR RELOCATION.
- ◊ REMOVE EXISTING AIR TERMINAL AND STORE WITHIN SAFE LOCATION FOR RELOCATION.
- ◊ EXISTING WORK TO REMAIN.



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REVISIONS		
NO.	DATE	DESCRIPTION

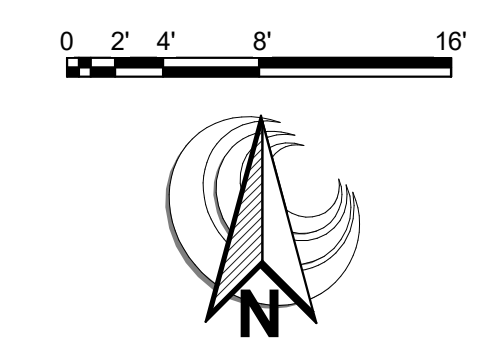
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**OVERALL DEMO MECHANICAL PLAN**

50% DD

DRAWING SCALE: 1/8" = 1'-0"  
 WGA PROJECT NUMBER: 23-209

PROGRESS DATE:  
 22 DECEMBER 2023

SHEET NUMBER:  
**MD-210**









1 PENDING FOOD SERVICE DESIGN FOR UPDATED FLOOR SINK AND WATER DISTRIBUTION.



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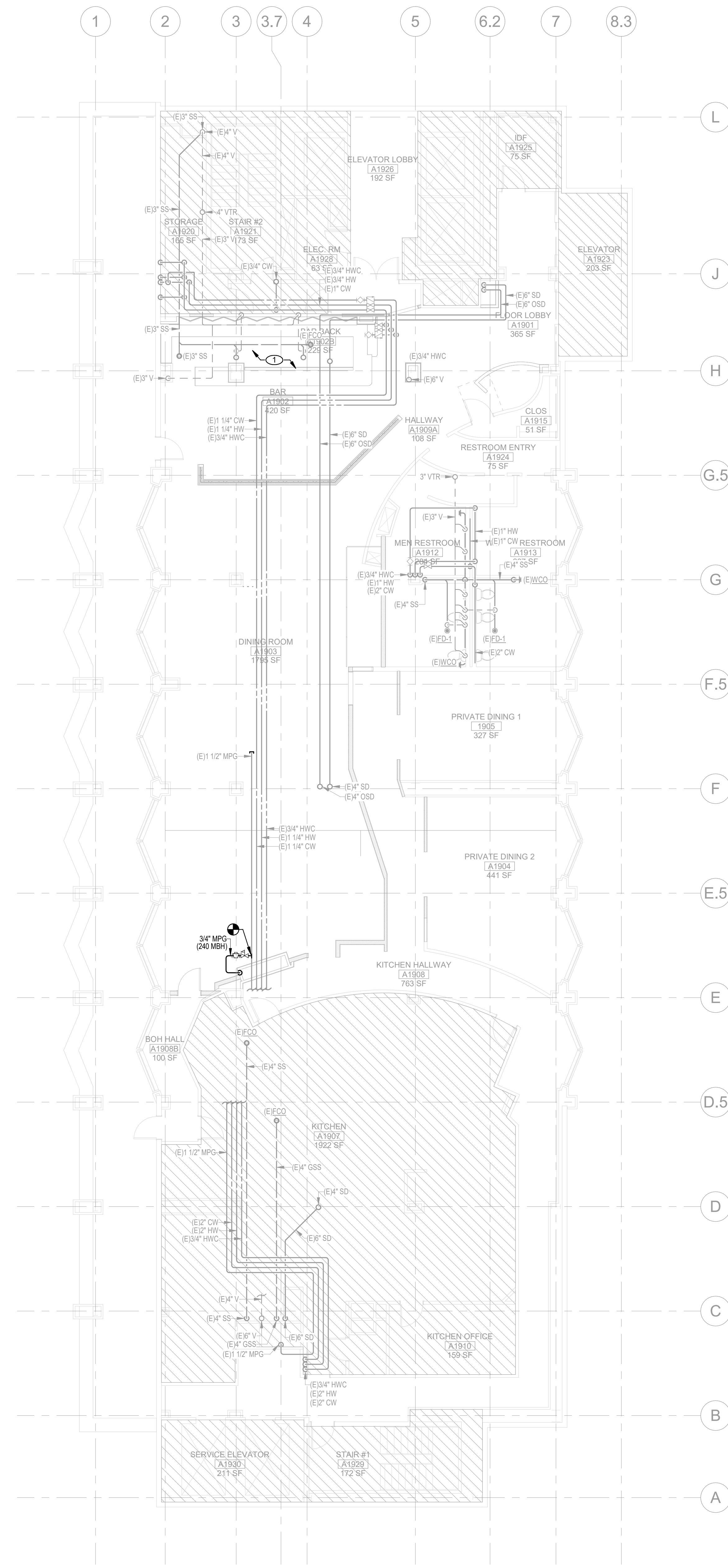
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50% DD

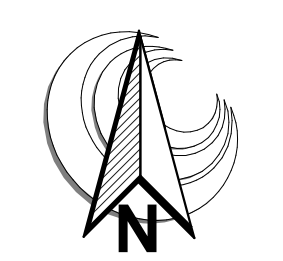
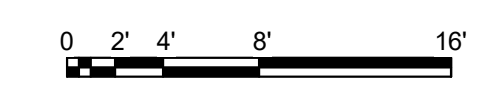
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WGA PROJECT NUMBER: 23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**P-210**



**1 OVERALL PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"





**DEMO NOTES** (THIS SHEET ONLY)

- ◊ REMOVE EXISTING PLUMBING FIXTURES, CLEAN, PROTECT AND STORE FOR REINSTALLATION.
- ◊ DEMOLISH EXISTING PIPING.



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REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**OVERALL DEMO PLUMBING PLAN**

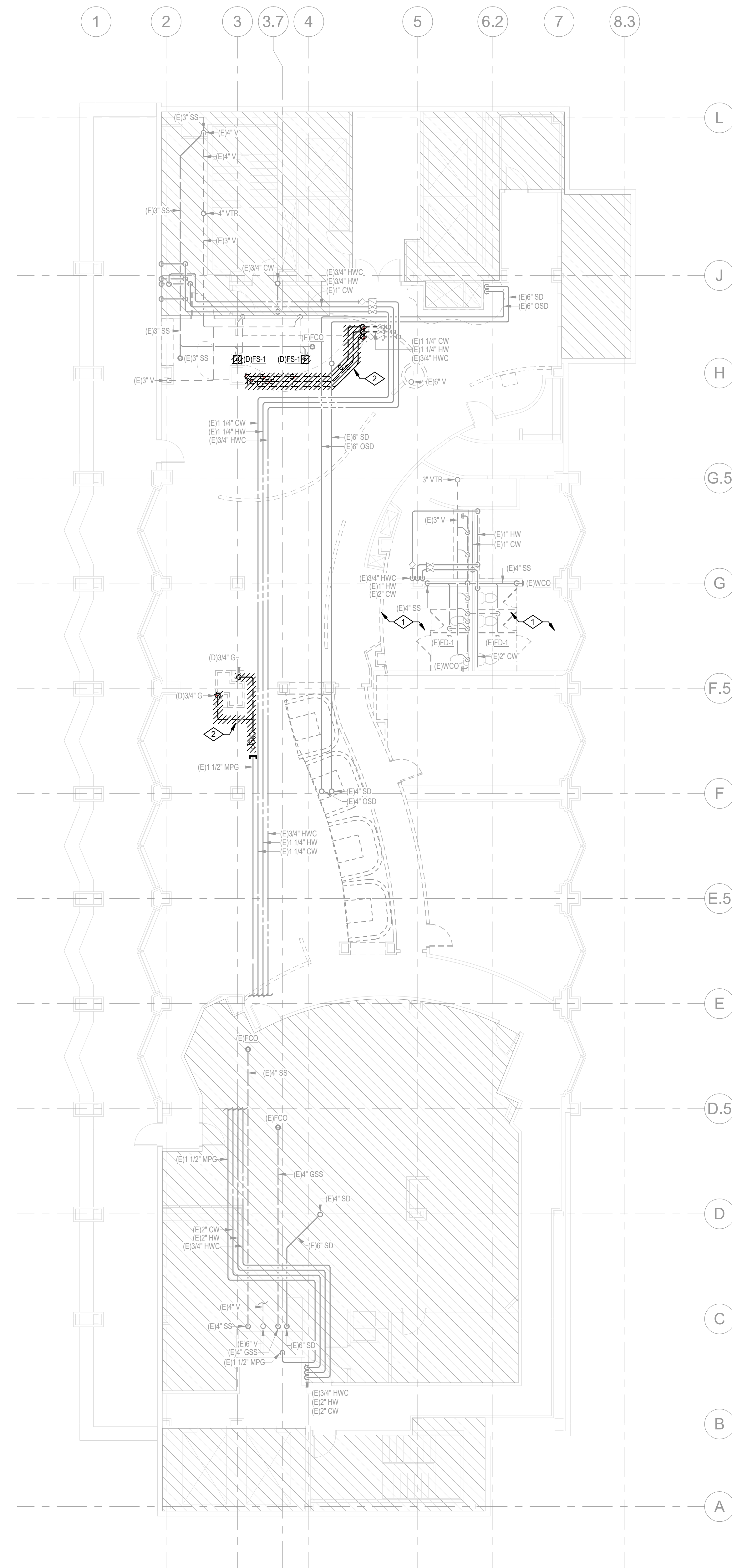
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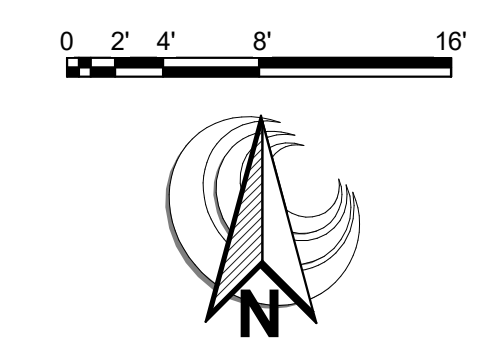
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WGA PROJECT NUMBER: 23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**PD-210**



**1 OVERALL DEMO PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"





ABBREVIATIONS		
ABBREVIATION		DESCRIPTION
A AMP	AMPERE	
AFF	ABOVE FINISHED FLOOR	
AFG	ABOVE FINISHED GRADE	
AHJ	AUTHORITY HAVING JURISDICTION	
AIC	AMPERE INTERRUPTING CAPACITY	
AL	ALUMINUM	
ATS	AUTOMATIC TRANSFER SWITCH	
AWG	AMERICAN WIRE GAUGE	
C	CONDUIT	
CB	CIRCUIT BREAKER	
CCTV	CLOSED CIRCUIT TELEVISION	
CKT	CIRCUIT	
CLG	CEILING	
CO	CONDUIT ONLY	
CT	CURRENT TRANSFORMER	
CU	COPPER	
CW	COLD WATER	
DEMO	DEMOLITION/DEMOLISH	
DISC	DISCONNECT	
EC	ELECTRICAL CONTRACTOR	
EGG	EQUIPMENT GROUNDING CONDUCTOR	
ELEV	ELEVATOR	
EM	EMERGENCY	
EMT	ELECTRICAL METALLIC TUBING	
FBO	FURNISHED BY OTHERS	
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	
GND	GROUND	
HP	HORSEPOWER	
IMC	INTERMEDIATE METALLIC CONDUIT	
ISC	SHORT CIRCUIT AMPERES, KA	
IG	ISOLATED GROUND	
J-BOX	JUNCTION BOX	
kcmil	THOUSAND CIRCULAR MILS	
KV	KILOVOLT	
KVA	KILOVOLT AMPERE	
KVAR	KILOVOLT AMPERE REACTIVE	
KW	KILOWATT	
MCB	MAIN CIRCUIT BREAKER	
MLO	MAIN LUGS ONLY	
NEC	NATIONAL ELECTRICAL CODE	
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION	
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	
NFC	NATIONAL FIRE CODE	
NC	NORMALLY CLOSED	
NIC	NOT IN CONTRACT	
NO	NORMALLY OPEN	
NTS	NOT TO SCALE	
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	
PF	POWER FACTOR	
∅, PH	PHASE	
RGC	RIGID GALVANIZED CONDUIT	
SW	SWITCH	
T	TELEPHONE	
TEL	TELEPHONE	
T-STAT	THERMOSTAT	
TB	TELEPHONE TERMINAL BOARD	
TYP	TYPICAL	
UL	UNDERWRITERS LABORATORY	
UNO	UNLESS NOTED OTHERWISE	
UPS	UNINTERRUPTED POWER SUPPLY	
V	VOLT OR VOLTAGE	
VA	VOLT AMPERE	
VFD	VARIABLE FREQUENCY DRIVE	
W	WATT	
WP	WEATHERPROOF	
XFMR	TRANSFORMER	

GENERAL NOTES (ALL SHEETS)																															
1. COORDINATE WITH LOCAL UTILITIES SERVING THIS PROJECT FOR POWER, TELEPHONE AND CABLE TV. CONTRACTOR SHALL INCLUDE IN BASE BID ALL COSTS FOR TRENCHING, BACKFILL, CONDUIT AND CABLE AS REQUIRED FOR COMPLETE AND OPERABLE INSTALLATION OF ALL UTILITY SYSTEMS AND EQUIPMENT.	27. PROVIDE EXPANSION AND DEFLECTION FITTINGS FOR CONDUITS CROSSING EXPANSION JOINTS. PROVIDE BONDING JUMPERS FOR ALL EXPANSION FITTINGS.																														
2. ALL WORK FOR UTILITY COMPANY INSTALLATION SHALL COMPLY WITH UTILITY COMPANY STANDARDS AND REGULATIONS. CONTRACTOR SHALL INSTALL ALL UTILITY COMPANY CONDUITS, STRUCTURES, VAULTS AND PADS, ETC. AS INDICATED ON THE UTILITY COMPANY SERVICE DRAWINGS FOR THIS PROJECT. OBTAIN A COPY OF ALL FINAL UTILITY SERVICE DRAWINGS AND PROVIDE ALL EQUIPMENT AND WIRING AS INDICATED. CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION COSTS AND INSPECTION FEES FOR UTILITY COMPANY.	28. PROVIDE SEPARATE BOXES AND RACEWAYS FOR DIFFERENT VOLTAGE SYSTEMS.																														
3. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL.	29. CONTRACTOR SHALL "BALANCE" THE LOADS IN ALL PANELBOARDS TO LESS THAN 10% IMBALANCE BETWEEN THE PHASES.																														
4. COMPLY WITH ALL NATIONAL, STATE, COUNTY, CITY AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION, INCLUDING RULES AND REQUIREMENTS OF UTILITY SERVING AGENCIES.	30. PROVIDE TYPEWRITTEN PANELBOARD SCHEDULES TO PANELBOARD DOORS DEPICTING THE FINAL AS-BUILT CONDITIONS AT PROJECT COMPLETION. INDICATE DEVICE AND ROOM NAME LOCATION (IE: LIGHTING AT LOBBY BAR).																														
5. INCORPORATE ALL CODES AND ORDINANCES INTO THE BASE BID AND INSTALLATION OF WORK. NO ADDITIONAL FUNDS WILL BE ALLOCATED FOR WORK REQUIRED TO CONFORM TO REGULATIONS AND REQUIREMENT AND/OR TO OBTAIN APPROVAL OF WORK.	31. ALL ELECTRICAL SYSTEMS, EQUIPMENT, RACEWAYS AND COMPONENTS SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ARTICLE 250 AND AS INDICATED ON DOCUMENTS.																														
6. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.	32. ALL FLOOR AND GRADE MOUNTED ELECTRICAL DISTRIBUTION EQUIPMENT SHALL HAVE A 4" HIGH HOUSEKEEPING PAD EXTENDING 4" OUTSIDE THE EQUIPMENT FOOTPRINT IN ALL DIRECTIONS.																														
7. ALL INSTALLATIONS, AT A MINIMUM, SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS: A. NATIONAL ELECTRIC CODE, 2017. B. APPLICABLE NFPA STANDARDS. C. HEALTH CODES D. FIRE CODE AS ADOPTED BY AUTHORITY HAVING JURISDICTION. E. THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION STANDARDS. F. AMERICAN NATIONAL STANDARDS INSTITUTE G. ALL LOCALLY ADOPTED AMENDMENTS, CODES AND ORDINANCES IN THE JURISDICTION OF THE PROJECT. H. ALL ELECTRICAL COMPONENTS AND DEVICES SHALL BE U.L. LISTED OR LISTED BY OTHER APPROVED TESTING AGENCY.	33. ALL ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE NEC 110.26 CLEAR WORKING SPACE REQUIREMENTS.																														
8. DESIGN DRAWINGS ARE DIAGRAMMATIC AND ARE ONLY INTENDED TO DEFINE THE BASIC FUNCTIONS REQUIRED. PROVIDE ALL MATERIAL, ETC. NECESSARY TO ACCOMPLISH THESE REQUIREMENTS. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND ARE A PART OF THE WORK INCLUDED. HOWEVER, NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE PERMITTED. DO NOT SCALE THE DRAWINGS.	34. VERIFY WITH PROJECT STRUCTURAL ENGINEER OR RETAIN THE SERVICES OF LICENSED STRUCTURAL ENGINEER TO PROVIDE ANY MOUNTING DIAGRAMS OR CALCULATIONS REQUIRED FOR MOUNTING OF ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. ALL COSTS TO BE INCLUDED IN BASE BID.																														
9. IF A CONFLICT OCCURS BETWEEN THE DESIGN DRAWINGS AND SPECIFICATIONS, BID THE GREATER QUALITY AND/OR QUANTITY.	35. PROVIDE ALL NECESSARY MOUNTING SUPPORTS FOR LIGHTING FIXTURES. WHERE FIXTURES ARE INSTALLED IN SUSPENDED CEILING SYSTEMS, SECURE FIXTURES TO CEILING FRAME SYSTEM AND PROVIDE FIXTURE SUPPORTS INDEPENDENT OF CEILING SUSPENSION SYSTEM AS REQUIRED PER APPLICABLE CODE.																														
10. PROVIDE SHOP DRAWING LAYOUT OF ALL ROOMS WITH ELECTRICAL DISTRIBUTION EQUIPMENT. LAYOUT SHALL SHOW LOCATIONS OF ELECTRICAL EQUIPMENT AND SHALL BE DRAWN TO SCALE.	36. RECESSED FIXTURES IN FIRE RATED CEILINGS AND RETURN AIR PLENUMS SHALL BE RATED FOR THE FIRE RATING OF THE CEILING OR SHALL BE FULLY ENCLOSED IN A FIRE RATED HOUSING ACCEPTABLE TO AUTHORITY HAVING JURISDICTION.																														
11. MAINTAIN ACCURATE CONTINUOUS RECORDS OF ANY AND ALL CHANGES FROM THE CONTRACT DOCUMENTS AND SHOP DRAWINGS. UPON COMPLETION OF THE PROJECT, DELIVER TO THE OWNER, ONE (1) SET OF LEGIBLE AND REPRODUCIBLE COPIES OF THESE "AS-BUILT" RECORD DRAWINGS.	37. VERIFY TYPE OF MOUNTING REQUIRED FOR ALL LIGHTING FIXTURES AND PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.																														
12. ALL TERMINATIONS AND DEVICES SHALL BE LISTED FOR 75 DEGREES C UNLESS NOTED OTHERWISE.	38. ALL ELECTRICAL SYSTEM COMPONENTS SHALL BE LISTED OR LABELED BY U.L. OR OTHER RECOGNIZED TESTING FACILITY AS ALLOWED BY THE AUTHORITY HAVING JURISDICTION.																														
13. ALUMINUM CONDUCTORS MAY BE USED FOR CONDUCTORS #10 OR LARGER. CONTRACTOR IS RESPONSIBLE FOR INCREASING CONDUIT AND CONDUCTOR SIZES AS REQUIRED TO COMPENSATE FOR INCREASED VOLTAGE DROP AND ADJUSTING FAULT CURRENT AND VOLTAGE DROP VALUES ACCORDINGLY.	39. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECT SIZING AND INSTALLATION OF ALL OUTLET, PULL AND JUNCTION BOXES IN ACCORDANCE WITH NEC 378. ALL BOXES SHALL BE RECESSED WITH COVER PLATE TO SUIT THE INTENDED APPLICATION.																														
14. THE FOLLOWING CONDUCTOR SIZES SHALL BE PROVIDED FOR 20A, 1 PHASE BRANCH CIRCUITS AND 2.4KW DIMMED AND NON-DIMMED CIRCUITS (HOT, NEUTRAL, & GROUND) BASED ON ACTUAL CIRCUIT LENGTH, UPSIZE RACEWAYS ACCORDINGLY. <table border="1"> <thead> <tr> <th>CONDUCTOR SIZE</th> <th>120V</th> <th>208V</th> <th>277V</th> <th>480V</th> </tr> </thead> <tbody> <tr> <td>#12 AWG</td> <td>0-79FT.</td> <td>0-136FT.</td> <td>0-180FT.</td> <td>0-310FT.</td> </tr> <tr> <td>#10 AWG</td> <td>71-120FT.</td> <td>136-202FT.</td> <td>161-230FT.</td> <td>311-500FT.</td> </tr> <tr> <td>#8 AWG</td> <td>121-180FT.</td> <td>221-325FT.</td> <td>251-375FT.</td> <td>501-780FT.</td> </tr> <tr> <td>#6 AWG</td> <td>181-315FT.</td> <td>325-510FT.</td> <td>376-585FT.</td> <td>-</td> </tr> <tr> <td>#4 AWG</td> <td>316-466FT.</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	CONDUCTOR SIZE	120V	208V	277V	480V	#12 AWG	0-79FT.	0-136FT.	0-180FT.	0-310FT.	#10 AWG	71-120FT.	136-202FT.	161-230FT.	311-500FT.	#8 AWG	121-180FT.	221-325FT.	251-375FT.	501-780FT.	#6 AWG	181-315FT.	325-510FT.	376-585FT.	-	#4 AWG	316-466FT.	-	-	-	40. ALL ELECTRICAL EQUIPMENT SHALL HAVE SUFFICIENT CONDUIT AND GUTTER SPACE LUGS AND KNOCKOUTS TO ACCOMMODATE QUANTITY AND SIZE OF CONDUCTORS AND CONDUIT REQUIRED. PROVIDE EQUIPMENT WITH OVERSIZED ENCLOSURES WHERE REQUIRED.
CONDUCTOR SIZE	120V	208V	277V	480V																											
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15. ALL LIGHTING FIXTURES SHALL BE U.L. LISTED OR LISTED BY RECOGNIZED TESTING AGENCY.	41. WHERE MOTORS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG CEILING, WITHIN REACH FROM ACCESS POINT.																														
16. ALL FLUORESCENT FIXTURES SHALL BE PROVIDED WITH ENERGY SAVING LAMPS AND ELECTRONIC BALLASTS. PROVIDE ZERO DEGREE BALLASTS FOR EXTERIOR LIGHTING FIXTURES.	42. SIZING OF MOTOR-RELATED ELECTRICAL COMPONENTS, INCLUDING FEEDERS, BRANCH CIRCUITS AND OVERCURRENT PROTECTION ARE BASED ON RATINGS INDICATED. VERIFY "ACTUAL" MOTOR AND APPLIANCE RATINGS AND LOADS AND PROVIDE CORRECTLY SIZED MOTOR-RELATED ELECTRICAL COMPONENTS. REFLECT ALL CHANGES IN THE RECORD DRAWINGS.																														
17. ALL LAMPS SHALL BE BY THE SAME MANUFACTURER AND FURNISHED BY THE CONTRACTOR UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL BALLASTS SHALL BE LOW HARMONIC TYPE, THD <10%.	43. ALL WIRE AND CONDUIT CALL OUTS SHOWN ARE FOR THE ENTIRE CIRCUIT LENGTH UNLESS SPECIFICALLY NOTED OTHERWISE.																														
18. PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR ALL CIRCUITS.	44. SEE SPECIFICATIONS FOR LIGHTNING PROTECTION SYSTEM DESIGN AND INSTALLATION REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF A COMPLETE AND OPERABLE LIGHTNING PROTECTION SYSTEM THAT MEETS ALL NFPA, NEC AND LOCAL ORDINANCES AND REQUIREMENTS. SYSTEM SHALL HAVE UL MASTER LABEL.																														
19. ALL WORK SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE IN AN APPROVED MANNER AND FASTENED TO BUILDING CONSTRUCTION WITH APPROVED SUPPORTS.	45. CONTRACTOR SHALL ENGAGE THE SERVICES OF A STATE LICENSED FIRE ALARM CONTRACTOR AND/OR MANUFACTURER TO PROVIDE A COMPLETE AND OPERABLE FIRE ALARM SYSTEM APPROVED BY THE AUTHORITY HAVING JURISDICTION UNDER THE BASE BID. CONTRACTOR SHALL BE RESPONSIBLE FOR AND INCLUDE IN BID ALL PLAN REVIEW AND PERMIT FEES, WHICH MAY BE APPLICABLE. COORDINATE WITH FIRE ALARM CONTRACTOR ANY ADDITIONAL DEVICES, OUTLETS OR CONNECTIONS REQUIRED FOR THE FIRE ALARM SYSTEM PRIOR TO BID. CONTRACTOR IS RESPONSIBLE TO ADD ANY ADDITIONAL ITEMS REQUIRED BUT NOT SHOWN ON THE DRAWINGS TO MEET THE AUTHORITY HAVING JURISDICTION REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL PROVIDE COMPLETE SYSTEM WIRING DIAGRAMS INCLUDING BUILDING FLOOR PLANS SYSTEM COMPONENT SPECIFICATIONS, DEVICE LOCATIONS, ETC. FOR REVIEW AND APPROVAL BY AUTHORITY HAVING JURISDICTION.																														
20. COORDINATE ELECTRICAL WORK WITH OTHER TRADES PRIOR TO SUBMITTING BID.	46. MECHANICAL EQUIPMENT SYMBOLS SHOWN ON PLANS FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS AND SCHEDULES FOR EXACT LOCATIONS AND CHARACTERISTICS.																														
21. RACEWAYS SHALL BE INSTALLED CONCEALED, UNLESS NOTED OTHERWISE.	47. PROVIDE ALL REQUIRED MOTOR STARTERS, OVERCURRENT AND DISCONNECT MEANS FOR EQUIPMENT SPECIFIED BY OTHER DISCIPLINES. WHETHER SPECIFICALLY INDICATED ON THESE DRAWINGS OR NOT. DEVICE TO HAVE APPROPRIATE SIZE, NUMBER OF POLES AND NEMA RATING FOR INTENDED APPLICATION.																														
22. PROVIDE 200LB NYLON PULL STRING IN ALL EMPTY RACEWAYS.	48. PROVIDE INTEGRAL CONTROL TRANSFORMERS WITH OVERCURRENT PROTECTION AS REQUIRED FOR MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.																														
23. RACEWAYS PASSING THROUGH FIRE RATED CONSTRUCTION SHALL BE SEALED WITH U.L. LISTED FIRE RATED SEALANT. WHERE ELECTRICAL RACEWAYS ARE INSTALLED THROUGH RATED FLOORS OR WALLS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE FITTINGS APPROVED BY ALL REQUIRED LOCAL AUTHORITIES FOR THE INTENDED APPLICATION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.	49. REFER TO ARCHITECTURAL & ACOUSTICAL ENGINEERING DRAWINGS AND REPORTS FOR ADDITIONAL REQUIREMENTS. PROVIDE ALL COSTS IN BASE BID FOR A COMPLETE INSTALLATION IN COMPLIANCE WITH ARCHITECTURAL AND ACOUSTICAL REQUIREMENTS AND RECOMMENDATIONS.																														
24. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS, SIZED PER NEC 250.	50. PROVIDE A MINIMUM OF (2) 3/4" AND (1) 1" CY STUBBED ACCESSIBLE IN CEILING SPACE ABOVE EACH PANELBOARD FOR FUTURE USE.																														
25. PROVIDE SEPARATE RACEWAYS AND BOXES FOR ALL "EMERGENCY" SYSTEM WIRING AND "NORMAL" SYSTEM WIRING. ALL EMERGENCY FEEDERS SHALL BE INSTALLED IN COMPLIANCE WITH NEC 700.10(D) AS ADOPTED BY AUTHORITY HAVING JURISDICTION.	51. ALL ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE OF THE SAME MANUFACTURER, INCLUDING PANELBOARDS, TRANSFORMERS, DISTRIBUTION PANELS, SWITCHBOARDS, DISCONNECTS, MOTORS STARTERS, ETC.																														
26. ALL RACEWAYS AND CONDUCTOR SIZES SHOWN ARE TO BE INSTALLED WITHIN THE BUILDING STRUCTURE NOT EXPOSED TO OUTDOOR OR EXTREME AMBIENT CONDITIONS. IF RACEWAYS AND CONDUCTORS ARE ROUTED EXPOSED TO OUTDOOR AMBIENT CONDITIONS, CONTRACTOR SHALL DERATE CONDUCTORS AND UPSIZE RACEWAYS BASED ON ENVIRONMENT INSTALLED.	52. RACEWAYS PENETRATING THROUGH ROOF SHALL HAVE ROOF PITCH POCKETS AND FLASHING WITH CALULKING AND PIPE SLEEVE. INSTALLATION SHALL BE WATERTIGHT.																														

LEGEND (NOT ALL SYMBOLS WILL BE USED)	
<b>LUMINAIRE SYMBOLS</b>	<b>POWER DISTRIBUTION SYSTEM SYMBOLS</b>
UPPER CASE LETTER DENOTES FIXTURE TYPE LOWER CASE LETTER DENOTES CONTROL DESIGNATION NUMBER DENOTES CIRCUIT NUMBER "N": DENOTES UNSWITCHED NIGHT LIGHT	SWITCHBOARD OR DISTRIBUTION BOARD PANELBOARD - SURFACE MOUNTED PANELBOARD - FLUSH MOUNTED TRANSFORMER MOTOR ENCLOSED MOTOR CONTROLLER/STARTER (S2#1, UNO) COMBINATION ENCLOSED MOTOR CONTROLLER/STARTER AND FUSED DISCONNECT SWITCH (30A3P, S2#1 UNO) NON-FUSED DISCONNECT SWITCH (30A3P, UNO) FUSED DISCONNECT SWITCH (30A3P, UNO) VENDOR FURNISHED COMBINATION ENCLOSED MOTOR CONTROLLER/STARTER AND FUSED DISCONNECT SWITCH (VERIFY MOUNTING) VENDOR FURNISHED VARIABLE FREQUENCY DRIVE CONTACTOR ENCLOSED CIRCUIT BREAKER RELAY JUNCTION BOX DOOR/HARDWARE CONNECTION MAGNETIC HOLD-OPEN CONNECTION JUNCTION BOX AND SWITCH WITH CONNECTION TO VARIABLE AIR VOLUME UNIT
LED STRIP LUMINAIRE (LENGTH AS INDICATED) LED 2X4 LUMINAIRE (SIZE AS INDICATED) EMERGENCY LUMINAIRE (SIZE AS INDICATED) CEILING OR GRADE MOUNTED LUMINAIRE (AS SCHEDULED) WALL MOUNTED LUMINAIRE TRACK LUMINAIRE WITH LENGTH AND NUMBER OF HEADS AS SHOWN EXIT SIGN - SHADED AREAS INDICATE ILLUMINATED FACES - PROVIDE DIRECTIONAL ARROWS AS INDICATED (VERIFY MOUNTING) FLOOD LIGHT POLE MOUNTED LUMINAIRE (HEADS AS INDICATED)	PULLBOX ENCLOSED CIRCUIT BREAKER RELAY JUNCTION BOX DOOR/HARDWARE CONNECTION MAGNETIC HOLD-OPEN CONNECTION JUNCTION BOX AND SWITCH WITH CONNECTION TO VARIABLE AIR VOLUME UNIT
<b>CONTROL DEVICE SYMBOLS</b> LOWER CASE LETTER DENOTES CONTROL DESIGNATION (SWITCHES FLUSH MOUNTED @-48" AFF, UNO)	<b>SINGLE LINE DIAGRAM SYMBOLS</b>
S SINGLE POLE SWITCH S3 3-WAY SWITCH S4 4-WAY SWITCH SD DIMMER SWITCH SK KEY OPERATED SWITCH Sm MANUAL MOTOR STARTER WITH THERMAL OVERLOADS Sp SWITCH WITH PILOT LIGHT SOS SWITCH WITH INTEGRAL OCCUPANCY SENSOR S00S DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR	AUTOMATIC TRANSFER SWITCH CIRCUIT BREAKER DRAWOUT TYPE CIRCUIT BREAKER ENGINE GENERATOR FUSIBLE SWITCH METERING - PER LOCAL UTILITY REQUIREMENTS AMMETER VOLTMETER FEEDER SCHEDULE CALLOUT KIRK KEY DIGITAL METER GROUND FAULT INTERRUPTER SHUNT TRIP SURGE PROTECTIVE DEVICE
<b>RECEPTACLE SYMBOLS</b> (FLUSH MOUNTED @-18" AFF, UNO) (RECEPTACLES WITH A "C" MOUNTED ABOVE COUNTER)	<b>RACEWAY SYMBOLS</b>
∅ SINGLE RECEPTACLE ∅ DUPLICATION RECEPTACLE ∅ DUPLICATION RECEPTACLE WITH (1) USB TYPE-A, (1) USB TYPE-C AND INTEGRAL TRANSFORMER ∅ GFCI DUPLICATION RECEPTACLE WITH (1) USB TYPE-A, (1) USB TYPE-C AND INTEGRAL TRANSFORMER ∅ TIMECLOCK RECEPTACLE ∅ DUPLICATION RECEPTACLE - FLOOR MOUNTED ∅ DOUBLE DUPLICATION RECEPTACLE - FLOOR MOUNTED ∅ ISOLATED DOUBLE DUPLICATION RECEPTACLE (ORANGE, UNO) ∅ DOUBLE DUPLICATION RECEPTACLE ∅ SPECIAL PURPOSE RECEPTACLE (TYPE AS NOTED) ∅ GFCI DUPLICATION RECEPTACLE ∅ DUPLICATION RECEPTACLE - SWITCHED	1/2" CONCEALED CONDUIT WITH (3) #12 WIRES, UNO CONDUIT UNDERGROUND OR BELOW GRADE CONDUIT HOMERUN CONDUIT TURNING UP CONDUIT TURNING DOWN CONDUIT STUBBED AND CAPPED CONDUIT WITH SEAL-OFF GROUND CONNECTION
<b>ANNOTATIONS</b>	
∅ KEY NOTE ∅ REVISION SYMBOL ∅ DIAGRAM CALLOUT ∅ MECHANICAL EQUIPMENT CALLOUT	

NOTICE (ALL SHEETS)	
CONTRACTOR SHALL REVIEW COMPLETE SETS OF DRAWINGS FOR ALL TRADES PRIOR TO SUBMITTING BID. INCLUDE IN BID PROVISIONS FOR ALL ITEMS REQUIRING ELECTRICAL POWER WHETHER SPECIFICALLY SHOWN ON THE ELECTRICAL DRAWINGS OR NOT. ADDITIONAL ITEMS REQUIRING ELECTRICAL POWER CONNECTION MAY INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:	
1. COMPLETE ELECTRICAL CONNECTION TO ALL MECHANICAL AND PLUMBING EQUIPMENT AS REQUIRED BY MECHANICAL/PLUMBING CONSULTANT.	
2. COMPLETE ELECTRICAL CONNECTION TO ALL KITCHEN EQUIPMENT AS REQUIRED BY KITCHEN CONSULTANT.	
3. ADDITIONAL DECORATIVE, TASK AND AMBIENT LIGHT FIXTURES (INTERIOR AND EXTERIOR) AS SHOWN ON INTERIOR DESIGN, LIGHTING CONSULTANT AND/OR ARCHITECTURAL DRAWINGS.	
4. ADDITIONAL INTERIOR DESIGN FEATURES REQUIRING POWER.	
5. COMPLETE ELECTRICAL CONNECTION TO ALL LANDSCAPE LIGHTING AND FEATURES AS REQUIRED BY LANDSCAPE ARCHITECT.	
6. A COMPLETE AND OPERABLE DIMMING SYSTEM OF PUBLIC SPACES AS REQUIRED BY INTERIOR DESIGNER AND/OR ARCHITECT.	
7. SECURITY AND SURVEILLANCE CAMERA, CONDUIT, CABLES AND POWER TO ALL ASSOCIATED EQUIPMENT AS REQUIRED BY SURVEILLANCE DESIGN AND OWNER.	
8. AUDIO/VIDEO DEVICES, CONDUIT, CABLES AND POWER TO ALL ASSOCIATED EQUIPMENT AS REQUIRED BY AUDIO/VIDEO DESIGN AND OWNER.	
9. TELEPHONE/DATA DEVICES, CONDUIT, CABLES AND POWER TO ALL ASSOCIATED EQUIPMENT AS REQUIRED BY TELEPHONE/DATA DESIGN AND OWNER.	
10. A COMPLETE AND OPERABLE CODE-COMPLIANT FIRE ALARM SYSTEM IN ACCORDANCE WITH APPLICABLE LOCAL CODES AS REQUIRED BY LICENSED FIRE ALARM DESIGNER/INSTALLER.	
CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL REDUNDANT ITEMS BETWEEN TRADES AND INCLUDE IN BASE BID ALL COSTS REQUIRED FOR INSTALLATION OF COMPLETE AND OPERABLE SYSTEMS REQUIRING ELECTRICAL CONNECTIONS. IF CONFLICTS EXIST BETWEEN ELECTRICAL DRAWINGS/SPECIFICATIONS AND OTHER TRADES, THE CONTRACTOR SHALL BID THE HIGHER QUANTITY OR GREATER QUALITY ITE	

ELECTRICAL DRAWING INDEX			
ISSUE	SHEET NUMBER	SHEET NAME	
	E0.00	ELECTRICAL COVER SHEET	
	E0.01	ELECTRICAL SPECIFICATIONS	
	ED210	OVERALL DEMOLITION POWER PLAN	
	ED211	OVERALL DEMOLITION LIGHTING PLAN	
	E210	POWER PLAN	
	E310	LIGHTING PLAN	
Grand total:	6		



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5245 PONDEROSA WAY, SUITE 110  
LAS VEGAS, NEVADA 89118  
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PROFESSIONAL SEAL

**NOT FOR CONSTRUCTION**

CONSULTANT:



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HENDERSON, NEVADA 89002  
PH: (702) 269-0081 F: (702) 269-0081

CLIENT/PROJECT:

**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**ELECTRICAL COVER SHEET**

50% DD

CONTRACTOR SHALL REVIEW COMPLETE SETS OF DRAWINGS FOR ALL TRADES PRIOR TO SUBMITTING BID. INCLUDE IN BID PROVISIONS FOR ALL ITEMS REQUIRING ELECTRICAL POWER WHETHER SPECIFICALLY SHOWN ON THE ELECTRICAL DRAWINGS OR NOT. ADDITIONAL ITEMS REQUIRING ELECTRICAL POWER CONNECTION MAY INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

DRAWING SCALE:	WGA PROJECT NUMBER:
N/A	23-209
PROGRESS DATE:	
22 DECEMBER 2023	
SHEET NUMBER:	
<b>E0.00</b>	



# ELECTRICAL SPECIFICATIONS

## CONDITIONS

- A. GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, SPECIAL CONDITIONS AND OTHER RELATED PORTIONS OF DIVISION 1 APPLY TO THIS SECTION.
- B. COORDINATE ALL MATERIAL DELIVERIES AND STORAGE DURING CONSTRUCTION. PROTECT ALL MATERIAL AND EQUIPMENT FROM WEATHER, THEFT OR DAMAGE. CONTRACTOR SHALL REPLACE ANY DAMAGED OR STOLEN MATERIALS WITHOUT COST TO THE OWNER.

- C. COORDINATE WITH OWNER ALLOWABLE WORKING HOURS, LOCATION FOR PARKING, ETC. PRIOR TO BID AND INCLUDE ALL COSTS IN BASE BID.
- D. REMOVE ALL TRASH AND CONSTRUCTION DEBRIS GENERATED AS A RESULT OF THE ELECTRICAL PORTION OF WORK. KEEP PROJECT SITE CLEAR OF ALL DEBRIS THROUGHOUT CONSTRUCTION PERIOD.

- E. VISIT THE PROJECT SITE AND THOROUGHLY INVESTIGATE EXISTING CONDITIONS, INCLUDING EXISTING UNDERGROUND UTILITIES. PRIOR TO SUBMITTING BID CAREFULLY EVALUATE ALL EXISTING MATERIAL, EQUIPMENT, ETC. WHICH IS TO BE REMOVED, REINSTALLED, ALtered OR MODIFIED, AND INCLUDE ALL THESE COSTS IN THE BASE BID. DETERMINE EXISTING INSTALLATION WORK WHICH IS TO REMAIN TO SERVE AREAS OUTSIDE THE LIMITS OF THIS WORK AND INCLUDE ALL COSTS IN BASE BID FOR WORK WHICH MAY BE REQUIRED TO MAINTAIN EXISTING SERVICES. NO ADDITIONAL CHARGES WILL BE ALLOWED FOR FAILURE TO INCLUDE ALL LABOR AND MATERIAL THAT IS REQUIRED FOR RELOCATION OR MODIFICATION NECESSARY TO MAINTAIN THE EXISTING ELECTRICAL, COMMUNICATION, FIRE ALARM SYSTEM, ETC. INSTALLATIONS BEYOND THE LIMITS OF CONSTRUCTION.

- F. WHERE WORK IS INDICATED OR REQUIRED IN AN AREA NOT DEFINED AS BEING RENOVATED, INCLUDE IN THE BASE BID ALL COSTS REQUIRED TO REMOVE, RELOCATE, REINSTALL, REPAIR AND/OR REPLACE EXISTING CONSTRUCTION AS MAY BE NECESSARY TO COMPLETE THE REQUIRED WORK. ALL AFFECTED AREAS SHALL BE RESTORED TO THE ORIGINAL OR BETTER CONDITION TO THE SATISFACTION OF THE ENGINEER, ARCHITECT AND OWNER. NO ADDITIONAL CHARGES WILL BE ALLOWED FOR FAILURE TO INCLUDE ALL LABOR AND MATERIAL THAT IS REQUIRED FOR THIS WORK. WORK REQUIRED IN EXISTING FINISHED AREAS MUST BE COORDINATED WITH THE ARCHITECT AND OWNER TO ASSURE MINIMAL DISRUPTION OF NORMAL ACTIVITIES.

- G. PLAN THE SEQUENCE OF DEMOLITION AND CONSTRUCTION SO THAT THE ENTIRE PROJECT IS CARRIED OUT WITH MINIMUM INTERRUPTIONS. AT LEAST TWO WEEKS PRIOR TO DEMOLITION THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR THE WORK AND THE WORK SHALL NOT START WITHOUT THE OWNER'S APPROVAL.

- H. CONFER WITH THE MANUFACTURERS OF EXISTING EQUIPMENT AND SYSTEMS THAT ARE TO BE REWORKED OR EXTENDED, PRIOR TO ANY MODIFICATIONS TO INSURE THE INTEGRITY OF THE ORIGINAL EQUIPMENT WILL NOT BE REDUCED AND TO CONFIRM THAT SUCH MODIFICATIONS ARE FEASIBLE.

- I. WHERE EXISTING ELECTRICAL WORK AND EQUIPMENT PREVENT PROPER CONSTRUCTION OF NEW WORK AS INDICATED, REMOVE, RELOCATE OR IN OTHER WAYS ALTER EXISTING WORK IN ORDER TO ACCOMMODATE NEW WORK REQUIREMENTS. PROVIDE TEMPORARY WIRING AND APPARATUS AS REQUIRED TO FACILITATE PHASING OF THE WORK.

- J. ALL WIRING FOR ALL NEW AND REPLACEMENT ITEMS WHICH ARE BEING PROVIDED AS PART OF THIS PROJECT SHALL BE NEW AND OF THE TYPES INDICATED IN THE CONTRACT DOCUMENTS. UNDER NO CIRCUMSTANCES WILL EXISTING WIRING BE PERMITTED TO BE REUSED. THIS INCLUDES WIRING FOR REPLACEMENT LIGHTING FIXTURES AND WIRING DEVICES FROM THE SOURCE OF POWER SUPPLY (PANELBOARDS) TO THE LAST FIXTURE OR DEVICE ON EACH CIRCUIT. EXISTING WIRING FOR LIGHTING FIXTURES AND WIRING DEVICES RENDERED OBSOLETE OR BEING REPLACED SHALL BE DISCONNECTED AND REMOVED IN THEIR ENTIRETY. THE EXISTING RACEWAYS MAY BE REUSED IF FEASIBLE AND NOT DAMAGED. OTHERWISE, NEW RACEWAYS SHALL BE PROVIDED AS PART OF THIS PROJECT.

- K. WHERE THE PROJECT ENCOMPASSES DEMOLITION OF WALLS AND RELOCATION OR REPLACEMENT OF EXISTING ELECTRICAL EQUIPMENT, FEEDERS, BRANCH WIRING, SIGNAL CABLES, ETC. WITH NEW WORK, REMOVE, REINSTALL OR RELOCATE THAT PORTION OF THE EXISTING EQUIPMENT, SYSTEM, WIRING, FIXTURES AND DEVICES, ETC. WHICH APPLIES TO THE ELECTRICAL TRADE IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS.

- L. IN AREAS WHERE NEW CEILINGS, PARTITION WALLS OR DOORS ARE ADDED, ANY EXISTING SYSTEMS, SUCH AS FIXTURES, POWER, COMMUNICATION, FEEDERS AND DEVICES ARE DESIGNATED TO REMAIN, RELOCATE AND REWORK THE EXISTING CIRCUITRY AND PROVIDE AND EXTEND ADDITIONAL MATERIALS AS REQUIRED TO INSURE PROPER OPERATION IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS.

- M. REPLACE CEILING TILES DAMAGED DURING THE WORK WITH NEW TILES TO MATCH THE EXISTING IN EVERY RESPECT.

- N. ALL CODE VIOLATIONS ENCOUNTERED RELATING TO EXISTING CONDITIONS WHICH IS OR MAY BE AFFECTED BY THIS PROJECT SHALL BE IDENTIFIED AS TO TYPE OF VIOLATION, LOCATION, DESCRIPTION AND CODE SECTION PART OF THIS PROJECT. THIS INFORMATION SHALL BE IN TYPEWRITTEN FORM AND GIVEN TO THE OWNER AND ENGINEER.

- O. RETURN ALL EQUIPMENT AND DEVICES REMOVED AND NOT REUSED TO THE OWNER PER THEIR INSTRUCTIONS.

- P. ALL RACEWAYS ABANDONED SHALL HAVE ALL WIRING REMOVED BACK TO NEXT ACTIVE SOURCE. ALL RACEWAYS ABANDONED SHALL BE REMOVED UNLESS NOTED OTHERWISE.

- Q. FIRE PROTECTION AND FIRE ALARM SYSTEMS SHALL NOT BE DISCONNECTED OR TAKEN OUT OF SERVICE WITHOUT FIRST OBTAINING APPROVAL FROM THE OWNER AND FIRE DEPARTMENT. COMPLY WITH THE FIRE DEPARTMENT'S REQUIREMENTS. PROVIDE ON SITE FIRE TRAINED WATCHMAN AS REQUIRED.

- R. CONTRACTOR SHALL VERIFY AVAILABLE SPACE AND AMPLICITY OF EXISTING SWITCHBOARDS, DISTRIBUTION PANELS AND PANELBOARDS AFFECTED BY THE ADDITION OF NEW LOADS. PROVIDE WRITTEN DOCUMENTATION TO THE ARCHITECT/ENGINEER. DOCUMENTATION SHALL INCLUDE A MINIMUM 30-DAY RECORDING (THREE PHASE AMPERES, KILOVOLTS AND POWER FACTOR).

- S. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL.

## REGULATIONS, CODES, PERMITS AND INSPECTIONS

- A. COMPLY WITH ALL NATIONAL, STATE, COUNTY, CITY AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION, INCLUDING RULES AND REQUIREMENTS OF UTILITY SERVING AGENCIES.

- B. INCORPORATE ALL CODES AND ORDINANCES INTO THE BASE BID AND INSTALLATION OF WORK. NO ADDITIONAL FUNDS WILL BE ALLOCATED FOR WORK REQUIRED TO CONFORM TO REGULATIONS AND REQUIREMENT AND/OR TO OBTAIN APPROVAL OF WORK.

- C. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.

## D. ALL INSTALLATIONS AT A MINIMUM SHALL COMPLY WITH THE FOLLOWING:

- NATIONAL ELECTRIC CODE
- APPL CABLES AND WFA STANDARDS
- HEALTH CODES
- FIRE CODE AS ADOPTED BY AUTHORITY HAVING JURISDICTION.
- THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION STANDARDS.
- AMERICAN NATIONAL STANDARDS INSTITUTE.
- ALL LOCALLY ADOPTED AMENDMENTS, CODES AND ORDINANCES IN THE JURISDICTION OF THE PROJECT
- ALL ELECTRICAL COMPONENTS AND DEVICES SHALL BE U.L. LISTED OR OTHER RECOGNIZED TESTING FACILITY.

ALL CODES AND STANDARDS SHALL BE THE LATEST EDITIONS AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION FOR THIS PROJECT. OBTAIN CURRENT COPIES OF ALL LOCALLY ADOPTED CODES AND ORDINANCES PRIOR TO BID AND INCLUDE ALL COSTS TO COMPLY WITH CODES AND ORDINANCES IN BASE BID.

## DESIGN DRAWINGS

A. DESIGN DRAWINGS ARE DIAGRAMMATIC AND ARE ONLY INTENDED TO DEFINE THE BASIC FUNCTIONS REQUIRED. PROVIDE ALL MATERIAL, ETC. NECESSARY TO ACCOMPLISH THESE REQUIREMENTS. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND ARE A PART OF THE WORK INCLUDED. HOWEVER, NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE PERMITTED. DO NOT SCALE THE DRAWINGS.

- B. IF A CONFLICT OCCURS BETWEEN THE DESIGN DRAWINGS AND SPECIFICATIONS, THE SPECIFICATIONS SHALL HAVE THE FOLLOWING CORRECT OR UNLESS OTHERWISE REQUIRED PER LOCAL ORDINANCES OR REQUIREMENTS:

## SUBMITTALS

### A. SHOP DRAWINGS

- PRIOR TO ORDERING OR INSTALLATION OF ANY MATERIAL AND/OR EQUIPMENT TO THE JOB SITE, SUBMIT SIX (6) HARD COPIES AND INCHES COPIES OF BROCHURE COMPLETELY DESCRIBING ALL SYSTEMS, COMPONENTS, MATERIAL AND EQUIPMENT PROPOSED TO BE USED. ANY PIECE OF EQUIPMENT PLACED ON THE JOB WITHOUT PRIOR APPROVAL WILL BE SUBJECT TO REMOVAL.
- PROVIDE SHOP DRAWING LAYOUT OF ALL ROOMS WITH ELECTRICAL DISTRIBUTION EQUIPMENT. LAYOUT SHALL SHOW LOCATIONS OF ELECTRICAL EQUIPMENT AND SHALL BE DRAWN TO SCALE.

### B. RECORD DRAWINGS

MAINTAIN ACCURATE CONTINUOUS RECORDS OF ANY AND ALL CHANGES FROM THE CONTRACT DOCUMENTS AND SHOP DRAWINGS. UPON COMPLETION OF THE PROJECT, DELIVER TO THE OWNER ONE (1) SET OF LEGIBLE AND REPRODUCIBLE COPIES OF THESE RECORD DRAWINGS.

### C. GUARANTEE

ALL LABOR, MATERIAL, SYSTEMS AND EQUIPMENT SHALL BE GUARANTEED FOR ONE (1) YEAR FROM PROJECT COMPLETION. GUARANTEE THE ENTIRE COST, INCLUDING MATERIALS AND/OR LABOR, OF ALL WORK REQUIRED AND NECESSARY BY DEFECT OF MATERIALS AND/OR WORKMANSHIP AS A CONDITION OF SUPPLYING MATERIAL FOR THIS PROJECT. THE MANUFACTURERS AND SUPPLIERS AGREE TO DEFEND, HOLD HARMLESS AND TO INDEMNIFY OWNER, ENGINEER, ARCHITECT AND ALL RELATED SUBSIDIARIES AGAINST ANY LIABILITY ARISING OUT OF PROJECT FAILURE OR MANUFACTURING DEFECT OF THE EQUIPMENT PROVIDED.

## D. MANUAL AND OPERATING INSTRUCTIONS

- UPON COMPLETION OF THE PROJECT, DELIVER TO THE OWNER, A HARD BOUND "OWNER'S MANUAL" INCLUDE IN THE MANUAL INSTRUCTIONS PREPARED SPECIFICALLY FOR THE SYSTEMS PROVIDED, ALONG WITH ALL PAPERS, DESCRIPTIONS, PARTS LISTS, INSTRUCTIONS, WARRANTIES, ETC. WHICH WERE DELIVERED WITH THE MATERIALS AND EQUIPMENT UTILIZED IN THE PROJECT. IDENTIFY EACH ITEM BY DESIGNATION APPEARING ON THE DRAWINGS.
- AT THE TIME DESIGNATED, PROVIDE A SUITABLE OPERATOR, ELECTRICIAN OR ENGINEER, TO REVIEW THE SYSTEM WITH OWNER'S REPRESENTATIVE TO THOROUGHLY FAMILIARIZE HIM WITH THE OPERATIONS AND MAINTENANCE OF THE SYSTEM.

## GENERAL PRODUCTS

### A. RACEWAYS

- MINIMUM RACEWAY SIZE IS 1/2" UNLESS NOTED OTHERWISE.
- CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METALLIC CONDUIT (IMC) OR RIGID GALVANIZED STEEL CONDUIT (RGS).
- FLEXIBLE METAL CONDUIT MAY BE USED FOR FINAL CONNECTION TO LIGHT FIXTURES AND FOR FINAL CONNECTION TO MOTORS.
- METAL CLAD CABLE (TYPE MC) MAY BE USED BETWEEN WIRING DEVICES WHERE ALLOWED BY CODE AND LOCAL AUTHORITY HAVING JURISDICTION AND INSTALLED PER NEC ARTICLE 334. ALL HOMERUNS SHALL BE IN CONDUIT.
- CONDUIT INSTALLED CONCEALED MAY BE EMT OR IMC, UNLESS NOTED OTHERWISE.
- CONDUIT SUBJECT TO PHYSICAL DAMAGE SHALL BE RGS, UNLESS NOTED OTHERWISE.
- UNDERGROUND OR IN-SLAB CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.

### B. CONDUIT FITTINGS

- IMC AND RGS: NON-SPLIT THREADED STEEL, ZINC DIE CAST IS NOT ACCEPTABLE.
- EMT: COMPRESSION OR DOUBLE SET SCREW TYPE.
- BUILDINGS SHALL BE METALLIC INSULATED TYPE.
- FACTORY BENDS SHALL BE USED FOR ANY CONDUIT SIZE 2" OR LARGER. UNDERGROUND BENDS SHALL BE PVC COATED RGS.

### C. OUTLET/JUNCTION/PULL BOXES

- OUTLET BOXES SHALL BE PROVIDED AS SHOWN OR REQUIRED BY CODE.
- OUTLET BOXES SHALL BE CODE GAUGE GALVANIZED STEEL, 4" SQUARE AND 2-1/8" DEEP WITH PLASTER RING.
- PROVIDE RAISED COVERS AND FIXTURE STUDS FOR OUTLET BOXES WHERE REQUIRED.
- PROVIDE BLANK COVERS FOR OUTLET BOXES WITHOUT DEVICES.
- PROVIDE 2" SEPARATION BETWEEN BACK-TO-BACK OUTLET BOXES.
- BOXES FOR OUTDOOR USE AND DAMP LOCATIONS SHALL BE WEATHERPROOF GASKETED CAST METAL TYPE.
- BOXES IN HAZARDOUS LOCATIONS SHALL BE CAST FAST ALUMINUM OR AS REQUIRED TO SUIT INTENDED APPLICATION.
- ALL BOXES SHALL BE SIZED PER NEC REQUIREMENTS FOR NUMBER AND SIZE OF CONDUCTORS AND CONDUIT ENTRIES TO SUIT INTENDED APPLICATION.
- COVERS SHALL BE FULLY ENCLOSED AND SECURED AT ALL CORNERS.
- GRADE MOUNTED PULL BOXES SHALL BE MADE OF CONCRETE CONSTRUCTION WITH BOLT DOWN CONCRETE COVERS. PROVIDE A MINIMUM 4" CONCRETE COLLAR AROUND PULLBOX.
- FLOOR BOXES SHALL BE GALVANIZED CAST IRON TYPE WITH BRASS COVERS AND FLANGES SUITABLE FOR CONDUIT AND DEVICES INDICATED. FLOOR BOXES SHALL BE MANUFACTURED BY STEEL CITY OR APPROVED EQUAL.

## D. WIRE AND CABLE

- CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS LARGER THAN #10 AWG SHALL BE STRANDED.
- ALL CONDUCTORS SHALL BE MINIMUM 75 DEGREES C COPPER UNLESS NOTED OTHERWISE.
- POWER AND LIGHTING CONDUCTOR SIZE SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE.
- CONDUCTOR INSULATION TYPE SHALL BE THIN/THIN UNLESS NOTED OTHERWISE.
- ALL TERMINATIONS AND DEVICES SHALL BE LISTED FOR 75 DEGREES C UNLESS NOTED OTHERWISE.

- ALL WIRING SHALL BE IDENTIFIED WITH MARKERS TO REFLECT CIRCUIT DESIGNATIONS AT ALL POINTS WHERE WIRING IS ACCESSIBLE.
- ALUMINUM CONDUCTORS SHALL NOT BE USED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.
- THE FOLLOWING CONDUCTOR SIZES SHALL BE PROVIDED FOR 20A, 1/2 BRANCH CIRCUITS AND 240V DAMMED AND NON-DAMMED CIRCUITS (HOT, NEUTRAL, & GROUND) BASED ON ACTUAL CIRCUIT LENGTH, UPSIZE RACEWAYS ACCORDINGLY.

CONDUCTOR SIZE	120V	200V	277V	480V
#12 AWG	0.70FT.	0.135FT.	0.160FT.	0.310FT.
#10 AWG	71-120FT.	136-220FT.	161-250FT.	311-500FT.
#8 AWG	121-180FT.	221-325FT.	251-375FT.	501-760FT.
#6 AWG	181-315FT.	325-510FT.	376-585FT.	
#4 AWG	316-465FT.			

9. CONDUCTORS SHALL HAVE THE FOLLOWING COLOR UNLESS OTHERWISE REQUIRED PER LOCAL ORDINANCES OR REQUIREMENTS:

VOLTAGE SYSTEM	PHASE A	PHASE B	PHASE C	NEUTRAL	GROUND
120/240V, 3/Ø, 4W	BLACK	RED	ORANGE	WHITE	GREEN
			(HIGH LEG)		
208/120V, 3/Ø, 4W	BLACK	RED	BLUE	WHITE	GREEN
480/277V, 3/Ø, 3W	BROWN	ORANGE	YELLOW		GREEN
480/277V, 3/Ø, 4W	BROWN	ORANGE	YELLOW	GRAY	GREEN

## E. DEVICES

WIRING DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE AS FOLLOWS:

- WALL SWITCHES: 20A RATED, 120/277V, SINGLE POLE, SILENT TYPE, DIMMER SWITCHES: LUTRON NOVAT SERIES RATED AND SERVED.
- RECEPTACLES: 20A RATED, 125V DUPLEX GROUNDED TYPE.
- GFI TYPE: 20A RATED GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE.
- SPECIAL PURPOSE RECEPTACLES SHALL BE TYPE AND RATING PER PLANS AND VERIFIED WITH EQUIPMENT SUPPLIER.
- DEVICES AND COVER PLATES SHALL BE WHITE IN COLOR, UNLESS NOTED OTHERWISE OR INSTRUCTED BY THE ARCHITECT OR INTERIOR DESIGNER.
- MOUNTING HEIGHTS SHALL BE AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY ADA OR AUTHORITY HAVING JURISDICTION.

## F. FUSES AND CIRCUIT BREAKERS

- FUSES PROTECTING MOTORS SHALL BE BUSSMAN DUAL ELEMENT TIME DELAY CLASS RK-1.
- CIRCUIT BREAKERS SHALL BE OF THE SAME MANUFACTURER AS THE SWITCHBOARD, DISTRIBUTION PANEL OR PANELBOARDS WITH THE RATING AND NUMBER OF POLES AS INDICATED OR SCHEDULED.
- CIRCUIT BREAKERS SERVING HVAC TYPE EQUIPMENT SHALL BE HACR TYPE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
- CIRCUIT BREAKERS USED FOR SWITCHING SHALL BE SWD TYPE RATED FOR SWITCHING USE.
- SERIES RATED CIRCUIT BREAKERS AND EQUIPMENT IS NOT ACCEPTABLE.

## G. MOTOR STARTERS AND DISCONNECTS

- MOTOR CONTROLLERS: 800V AC HEAVY DUTY RATED, SINGLE OR MULTI-POLE TO SUIT APPLICATION AND MOUNTED IN SUITABLE NEMA ENCLOSURE.
- ALL MOTOR CONTROLLERS SHALL BE HORSEPOWER RATED TO SUIT MOTOR BEING CONTROLLED.
- PROVIDE H-O-A OR START/STOP OPERATION AS REQUIRED FOR APPLICATION. VERIFY WITH EQUIPMENT SUPPLIER PRIOR TO USE.
- PROVIDE MINIMUM TWO (2) NORMALLY OPEN AND TWO (2) NORMALLY CLOSED AUXILIARY CONTACTS FOR MOTOR CONTROLLERS.
- DISCONNECTS: 600V AC HEAVY DUTY RATED, FUSED OR NON-FUSED AS INDICATED, SINGLE OR MULTI-POLE TO SUIT APPLICATION AND MOUNTED IN SUITABLE NEMA ENCLOSURE.

## H. SWITCHBOARDS, DISTRIBUTION PANELS AND PANELBOARDS

- ACCEPTABLE EQUIPMENT MANUFACTURERS SHALL BE GENERAL ELECTRIC, SQUARE D, CUTLER-HAMMER OR APPROVED EQUAL.
- SWITCHBOARDS, DISTRIBUTION PANELS AND PANELBOARDS SHALL MEET THE SEISMIC QUALIFICATIONS OF THE ADOPTED BUILDING CODE.
- GROUNDING CONNECTIONS SHALL BE MADE WITH APPROVED CONNECTORS AND METHODS ACCEPTABLE TO AUTHORITY HAVING JURISDICTION.
- ALL PANELBOARDS SHALL BE BOLT ON CIRCUIT BREAKER TYPE, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- WIRE TERMINATIONS SHALL BE U.L. LISTED FOR 75°C.
- FLUSH MOUNTED PANELBOARDS SHALL HAVE A MINIMUM OF TWO (2) 1" AND FOUR (4) 1" EMPTY CONDUITS STUBBED UP FROM PANEL TO ABOVE ACCESSIBLE CEILING SPACE FOR FUTURE BRANCH CIRCUIT WIRING.
- ALL SWITCHBOARDS, DISTRIBUTION PANELS AND PANELBOARDS SHALL HAVE A SEPARATE GROUND BUS ISOLATED FROM THE NEUTRAL BUS.
- ALL SWITCHBOARDS SHALL BE FRONT AND REAR ALIGNED.
- ALL SWITCHBOARDS, DISTRIBUTION PANELS AND PANELBOARDS SHALL BE U.L. LISTED AND FULLY RATED FOR THE AIC RATING INDICATED ON THE DRAWINGS. SERIES RATED EQUIPMENT IS NOT ACCEPTABLE.
- METERING CTS AND PITS SHALL BE PROVIDED IN THE SERVICE ENTRANCE SWITCHBOARD WHERE METERING IS INDICATED ON THE DRAWINGS.
- METER DEVICE SHALL BE INSTALLED IN THE MAIN SWITCHBOARD OR AT A REMOTE LOCATION AS INDICATED ON THE DRAWINGS. METER DEVICE AND REQUIREMENTS SHALL BE VERIFIED BY THE CONTRACTOR WITH THE SERVING UTILITY COMPANY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE TO CONFIRM SUBMITTED EQUIPMENT WILL FIT WITHIN ALLOTTED SPACE SHOWN AND COMPLY WITH ALL NEC CLEARANCE REQUIREMENTS.

## I. TRANSFORMERS

- ACCEPTABLE EQUIPMENT MANUFACTURERS SHALL BE GENERAL ELECTRIC, SQUARE D, CUTLER-HAMMER OR APPROVED EQUAL.
- TRANSFORMERS SHALL MEET THE SEISMIC QUALIFICATIONS OF THE ADOPTED BUILDING CODE.
- TRANSFORMERS SHALL BE 115 DEGREES C RISE, UNLESS NOTED OTHERWISE.
- TRANSFORMERS SHALL BE U.L. LISTED AND MEET ANSI OVERLOAD STANDARDS.
- TRANSFORMERS SHALL MEET NEMA ST-20 SOUND LEVEL REQUIREMENTS.
- TRANSFORMERS SHALL HAVE COPPER WINDINGS.
- TRANSFORMERS SHALL HAVE APPROPRIATE NEMA RATING FOR LOCATION BEING INSTALLED.
- TRANSFORMERS SHALL HAVE K-FACTOR RATING AS INDICATED ON THE DRAWINGS.
- TRANSFORMERS SHALL HAVE CLASS 155 INSULATION, UNLESS NOTED OTHERWISE.

## J. LIGHTING FIXTURES

- ALL LIGHTING FIXTURES SHALL BE U.L. LISTED.
- ALL FLOURESCENT FIXTURES SHALL BE PROVIDED WITH ENERGY SAVING LAMPS AND ELECTRONIC BALLASTS. PROVIDE ZERO DEGREE BALLASTS FOR EXTERIOR LIGHTING FIXTURES.
- ALL LAMPS SHALL BE BY THE SAME MANUFACTURER AND FURNISHED BY THE CONTRACTOR UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL BALLASTS SHALL BE LOW HARMONIC TYPE, THD <10%.

## K. FIRE ALARMS/LIFE SAFETY SYSTEM

- CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND INSTALLATION OF A COMPLETE AND OPERABLE FIRE ALARM SYSTEM FULLY APPROVED FOR USE BY AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL PROVIDE COMPLETE SYSTEM WIRING DIAGRAMS INCLUDING BUILDING FLOOR PLANS, SYSTEM COMPONENT SPECIFICATIONS, DEVICE LOCATIONS, ETC. FOR REVIEW AND APPROVAL BY AUTHORITY HAVING JURISDICTION.
- FIRE ALARM DRAWINGS AND SPECIFICATIONS ARE SHOWN FOR DESIGN INTENT ONLY AND ESTABLISH A PERFORMANCE SPECIFICATION.
- CONTRACTOR SHALL ENGAGE THE SERVICES OF A NEVADA LICENSED FIRE ALARM CONTRACTOR AND/OR MANUFACTURER TO PROVIDE A COMPLETE AND OPERABLE FIRE ALARM SYSTEM APPROVED BY THE AUTHORITY HAVING JURISDICTION UNDER THE BASE BID. CONTRACTOR SHALL BE RESPONSIBLE FOR AND INCLUDE IN BID ALL FACTORY START UP AND TESTING OF THE FIRE ALARM SYSTEM.
- PRELIMINARY SYSTEM TESTING SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO FINAL TESTING WITH INSPECTION AUTHORITIES.
- FIRE ALARM SYSTEM SHALL INCLUDE ALL NECESSARY COMPONENTS, DEVICES, RACEWAYS, WIRING, ETC. TO MAKE A COMPLETE AND APPROVED FIRE ALARM SYSTEM UNDER THE BASE BID.
- TELEPHONE AND DATA SYSTEMS

- PROVIDE A COMPLETE CONDUIT SYSTEM FOR TV, TELEPHONE, DATA AND COMBINATION OUTLETS SHOW.
- TV, TELEPHONE, DATA AND COMBINATION OUTLETS INDICATED SHALL TERMINATE AT THE TERMINAL BOARD OR CABINET INDICATED ON THE DRAWINGS, UNLESS NOTED OTHERWISE.
- TERMINAL BOARD SHALL BE A 4x8x3/4" FIRE RATED SHEET OF PLYWOOD, UNLESS NOTED OTHERWISE.
- TERMINAL CABINETS SHALL BE SIZED AS INDICATED ON THE DRAWINGS OR SUITABLE FOR INSTALLATION IF NOT INDICATED WITH NEMA ENCLOSURE RATED FOR APPLICATION.
- TELEPHONE SERVICE AND CABLE TV SERVICE DEMARK CONDUITS AND REQUIREMENTS SHALL BE COORDINATED AND VERIFIED WITH THE SERVING UTILITIES AND OWNER PRIOR TO BID.

## GENERAL EXPLANATION

- A. THOROUGHLY CLEAN ALL ITEMS BEFORE INSTALLATION.
- B. ALL WORK SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE IN AN APPROVED MANNER.
- C. ALL EQUIPMENT SHALL BE FASTENED TO BUILDING CONSTRUCTION WITH APPROVED SUPPORTS.
- D. COORDINATE ELECTRICAL WORK WITH OTHER TRADES PRIOR TO SUBMITTING BID.

- E. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ELECTRICAL DEVICES, INCLUDING RECEPTACLES, SWITCHES, DATA AND TELEPHONE OUTLETS. IF LOCATIONS ARE NOT DEPICTED ON ARCHITECTURAL DRAWINGS, OBTAIN APPROVAL OF ARCHITECT PRIOR TO ROUGH-IN.
- F. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND COMPLETE REPAIR OF EXISTING BUILDING WALLS, CEILING, ETC. AS REQUIRED FOR INSTALLATION OF ELECTRICAL SYSTEMS.
- G. PROVIDE ENGRAVED NAME PLATES WITH SHEET METAL SCREWS FOR EACH PIECE OF EQUIPMENT, INCLUDING: PANELBOARDS, TRANSFORMERS, DISTRIBUTION PANELS, SWITCHBOARDS, DISCONNECTS, MOTOR STARTERS, ETC. LABELED PER AS-SUBMITTED DRAWINGS.

- H. ALL ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE OF THE SAME MANUFACTURER, INCLUDING: PANELBOARDS, TRANSFORMERS, DISTRIBUTION PANELS, SWITCHBOARDS, DISCONNECTS, MOTOR STARTERS, ETC.

## INSTALLATION

### A. RACEWAYS

- RACEWAYS SHALL BE INSTALLED CONCEALED, UNLESS NOTED OTHERWISE.
- ALL RACEWAYS BEING TO BE EXPOSED SHALL BE PAINTED TO MATCH THE ADJACENT BUILDING SURFACE.
- SUPPORT RACEWAYS WITH TIGGLE BOLTS ON HOLLOW MASONRY, MACHINE SCREWS ON METAL SURFACES, BEAM CLAMPS ON FRAMEWORK, WOOD SCREWS ON WOOD.
- RACEWAYS SHOULD BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING SURFACES AND AT RIGHT ANGLES.
- PROVIDE 200LB FILL STRING IN ALL EMPTY RACEWAYS.
- RACEWAYS PASSING THROUGH FIRE RATED CONSTRUCTION SHALL BE SEALED WITH U.L. LISTED FIRE RATED SEALANT. WHERE ELECTRICAL RACEWAYS ARE INSTALLED THROUGH RATED FLOORS OR WALLS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE FITTINGS APPROVED BY ALL REQUIRED LOCAL AUTHORITIES FOR THE INTENDED APPLICATION.
- OBTAIN FINAL APPROVAL FROM THE ARCHITECT PRIOR TO THE INSTALLATION OF RACEWAYS THROUGH RATED WALLS OR FLOORS.
- DO NOT COMBINE HOMERUNS, UNLESS NOTED OTHERWISE.
- INSTALL ALL RACEWAY SYSTEMS PER THE NEC. DEVIATIONS FROM THE WIRING METHODS INDICATED SHALL NOT BE ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL PRIOR TO PLACING BID AND INSTALLATION.
- INCLUDE ALL COSTS FOR RACEWAY SYSTEMS AS SPECIFIED UNLESS WRITTEN APPROVAL FOR AN ALTERNATE WIRING METHOD IS OBTAINED FROM THE ARCHITECT, ENGINEER AND OWNER PRIOR TO SUBMITTING BID.
- PROVIDE EQUIPMENT GROUNDING CONDUCTOR PER NEC 250 IN ALL RACEWAYS.
- PROVIDE SEPARATE RACEWAYS FOR EMERGENCY SYSTEM WIRING AND NORMAL SYSTEM WIRING.
- ALL RACEWAYS AND CONDUCTOR SIZES SHOWN ARE TO BE INSTALLED WITHIN THE BUILDING STRUCTURE NOT EXPOSED TO AMBIENT CONDITIONS. IF RACEWAYS AND CONDUCTORS ARE ROUTED EXPOSED TO AMBIENT CONDITIONS, CONTRACTOR SHALL DERATE CONDUCTORS AND UPSIZE RACEWAYS ACCORDINGLY.
- RACEWAYS PENETRATING THROUGH ROOF SHALL HAVE ROOF FLASHING WITH CAULK AND SLEEVE. INSTALLATION SHALL BE WATERTIGHT.
- UNDERGROUND SERVICE CONDUITS SHALL BE SEALED PER NEC ARTICLE 308.8.
- ALL EMERGENCY FEEDERS SHALL BE ROUTED IN COMPLIANCE WITH NEC 700.9 AND SNECA.
- ALL UNDERGROUND OR BELOW GRADE RACEWAYS SHALL BE INSTALLED IN COMPLIANCE WITH NEC TABLE 300.5.

### B. FITTINGS AND ACCESSORIES

- PROVIDE EXPANSION AND DEFLECTION FITTINGS FOR CONDUITS CROSSING EXPANSION JOINTS. PROVIDE BONDING JUMPS FOR ALL EXPANSION FITTINGS.
- FITTINGS SHALL BE SUITABLE FOR CONDITIONS OF INSTALLATION. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

## C. OUTLET, JUNCTION AND PULL BOXES

- OUTLET BOXES SHALL BE METALLIC WITH GROUND CONNECTION AND EQUIPAMENT GROUNDING CONDUCTOR CONNECTION.
- PROVIDE INSULATED SUPPORTS FOR CABLES.
- PROVIDE SEPARATE BOXES FOR DIFFERENT VOLTAGE SYSTEMS.
- PROVIDE SEPARATE BOXES FOR EMERGENCY SYSTEM WIRING AND FOR NORMAL SYSTEM WIRING.
- COORDINATE FLOOR BOX LOCATIONS WITH ARCHITECT, STRUCTURAL ENGINEER, FURNITURE CONSULTANT AND INTERIOR DESIGNER PRIOR TO ROUGH-IN. SEE THOSE DRAWINGS FOR ADDITIONAL INFORMATION.

## D. WIRE AND CABLE

- DO NOT COMBINE HOMERUNS, UNLESS NOTED OTHERWISE.
- DO NOT COMBINE NEUTRALS, SHARED NEUTRALS ARE NOT PERMITTED.
- PROVIDE INSULATION TESTING DOCUMENTATION OF ALL FEEDER AND DISTRIBUTION WIRING. REMOVE AND REPLACE WIRING NOT MEETING MANUFACTURERS' RECOMMENDED INSULATION RESISTANCE.
- PROVIDE TESTING DOCUMENTATION SHOWING GROUNDING SYSTEM FOR THIS PROJECT WITH RESISTANCE OF LESS THAN 5 OHMS.

## E. DEVICES

- INSTALL SWITCHES @4" AFF TO CENTER OF SWITCH, UNLESS NOTED OTHERWISE.
- INSTALL RECEPTACLES @18" AFF TO CENTER OF DEVICE, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL INCLUDE IN BASE BID ALL FACTORY START UP AND TESTING OF THE FIRE ALARM SYSTEM.
- PRELIMINARY SYSTEM TESTING SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO FINAL TESTING WITH INSPECTION AUTHORITIES.
- FIRE ALARM SYSTEM SHALL INCLUDE ALL NECESSARY COMPONENTS, DEVICES, RACEWAYS, WIRING, ETC. TO MAKE A COMPLETE AND APPROVED FIRE ALARM SYSTEM UNDER THE BASE BID.

## F. FUSES AND CIRCUIT BREAKERS

- PROVIDE ALL FUSES FOR DEVICES SHOWN.
- PROVIDE OWNER TWO (2) SPARE SETS OF FUSES OF EACH TYPE AND RATING INSTALLED.
- PROVIDE FUSE PULLER FOR EACH TYPE OF FUSE.
- PROVIDE SPARE FUSE CABINET WHERE INDICATED ON THE DRAWINGS.
- VERIFY FUSES WITH MANUFACTURER OF EQUIPMENT PRIOR TO INSTALLATION.
- WHERE NEW OVERCURRENT DEVICES ARE ADDED TO EXISTING SWITCHBOARD, DISTRIBUTION PANELS AND PANELBOARDS, UTILIZE SPARES AND/OR PROVIDE ADDITIONAL BREAKERS OR SWITCHES AS REQUIRED TO EXISTING SPACES OR PROVIDE A NEW PANELBOARD OR SECTION SUBFERED FROM THE EXISTING SYSTEM. SHORT CIRCUIT INTERRUPTING RATING OF NEW OVERCURRENT DEVICES SHALL MATCH THE RATING OF THE EXISTING EQUIPMENT.

## G. MOTOR STARTERS AND DISCONNECTS

- INSTALL MOTOR STARTERS AND DISCONNECTS AS REQUIRED PER THE NEC.
- WALL MOUNTED MOTOR STARTERS AND DISCONNECTS SHALL BE INSTALLED @54" TO BOTTOM OF DEVICE, UNLESS NOTED OTHERWISE.

## H. SWITCHBOARDS, DISTRIBUTION PANELS AND PANELBOARDS

- CONTRACTOR SHALL BALANCE THE LOADS IN ALL PANELBOARDS TO LESS THAN 10% IMBALANCE BETWEEN THE PHASES.
- PROVIDE TYPEWRITTEN PANELBOARD SCHEDULES IN PANELBOARD DOORS DESCRIBING THE FINAL AS-BUILT CONDITIONS AT PROJECT COMPLETION.
- ALL ELECTRICAL SYSTEMS EQUIPMENT AND COMPONENTS SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ARTICLE 250.
- ALL FLOOR MOUNTED SWITCHBOARDS AND DISTRIBUTION PANELS SHALL HAVE A 4" HIGH HOUSEKEEPING PAD EXTENDING 4" OUTSIDE THE EQUIPMENT FOOTPRINT IN ALL DIRECTIONS.
- ALL SWITCHBOARDS, DISTRIBUTION PANELS AND PANELBOARDS SHALL BE INSTALLED TO MEET THE NEC 110-26 CLEARANCE REQUIREMENTS.
- ALL UTILITY METERING DEVICES SHALL BE INSTALLED PER THE SERVING UTILITY COMPANY'S REQUIREMENTS.
- ANY CUSTOMER OWNED METERING DEVICES SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS.
- PROVIDE ALL REQUIRED DEVICES AND EQUIPMENT FOR A COMPLETE AND OPERABLE METER INSTALLATION.

## I. TRANSFORMERS

- INSPECT TRANSFORMERS FOR PHYSICAL DAMAGE, MECHANICAL AND ELECTRICAL CONNECTIONS.
- PROVIDE GROUNDING CONNECTION TO GROUNDING ELECTRODE SYSTEM PER THE NEC AND LOCAL CODE REQUIREMENTS FOR ALL SEPARATELY DERIVED SYSTEMS.
- ALL FLOOR MOUNTED TRANSFORMERS SHALL HAVE A 4" HIGH HOUSEKEEPING PAD EXTENDING 4" OUTSIDE THE EQUIPMENT FOOTPRINT IN ALL DIRECTIONS.
- VERIFY WITH PROJECT STRUCTURAL ENGINEER OR RETAIN THE SERVICES OF LICENSED STRUCTURAL ENGINEER TO PROVIDE ANY MOUNTING DIAGRAMS OR CALCULATIONS REQUIRED FOR MOUNTING OF ANY WALL OR TRAPEZE MOUNTED TRANSFORMERS PRIOR TO ROUGH-IN. ALL COSTS TO BE INCLUDED IN BASE BID.
- PROVIDE ISOLATION VIBRATION SPRINGS TYPE AS RECOMMENDED BY MANUFACTURER.

## J. LIGHTING FIXTURES

- PROVIDE ALL NECESSARY SUPPORTS FOR LIGHTING FIXTURES REQUIRED.
- WHERE FIXTURES ARE INSTALLED ON OR IN SUSPENDED CEILING SYSTEMS, SECURE FIXTURES TO CEILING FRAME SYSTEM AND PROVIDE FIXTURE SUPPORTS INSUFFICIENT OF CEILING SUSPENSION SYSTEM AS REQUIRED PER APPLICABLE CODE.
- INCLUDE IN BASE BID ALL LABOR AND MATERIAL TO INSTALL FIXTURES, INCLUDING THOSE PROVIDED BY THE OWNER.
- PROVIDE CEILING MOUNTED PENDANT FIXTURE WITH APPROVED SUPPORT FOR WEIGHT TO BE SUPPORTED AND FOR SEISMIC COMPLIANCE.
- RECESSED FIXTURES IN FIRE RATED CEILINGS AND RETURN AIR PLenums SHALL BE APPROVED FOR THE FIRE RATING OF THE CEILING OR SHALL BE FULLY ENCLOSED IN A FIRE RATED HOUSING ACCEPTABLE TO AUTHORITY HAVING JURISDICTION.
- SEAL ALL OPENINGS AS REQUIRED TO ELIMINATE AIR LEAKS.
- VERIFY TYPE OF MOUNTING REQUIRED FOR ALL LIGHTING FIXTURES AND PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
- ALL ADJUSTABLE FIXTURES SHALL BE LOCATED AND PROPERLY AIMED AS DIRECTED BY THE ARCHITECT OR LIGHTING DESIGNER. ALL AIMING OF BUILDING FACADE LIGHTING SHALL BE PERFORMED BY CONTRACTOR AT NIGHT.

## K. LIFE SAFETY SYSTEM

- DESIGN AND INSTALLATION SHALL BE PERFORMED BY A STATE LICENSED FIRE ALARM CONTRACTOR. INSTALLATION SHALL BE PERFORMED BY LICENSED AND EXPERIENCED INSTALLERS.
- MINIMUM RACEWAY IS 1" UNLESS NOTED OTHERWISE.
- VERIFY TYPE OF MOUNTING REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ALL WIRING SHALL BE INSTALLED IN CONDUIT. ALL CONDUCTORS SHALL BE LABELED AT EACH DEVICE AND JUNCTION BOX.
- ALL OUTLET, PULL AND JUNCTION BOXES SHALL BE PAINTED RED ON THE EXTERIOR AND MARKED FOR FIRE ALARM.
- INSTALL END OF LINE RESISTORS WHERE REQUIRED IN A JUNCTION BOX ADJACENT TO THE LAST DEVICE SERVED.

## L. TV, TELEPHONE AND DATA SYSTEM

- MINIMUM RACEWAY SIZE IS 1" UNLESS NOTED OTHERWISE.
- PROVIDE #6 AWG GROUND WIRE FROM SERVICE ENTRANCE GROUNDING ELECTRODE TO TELEPHONE SYSTEM LOCATION AND ALL TELEPHONE TERMINAL BOARDS, UNLESS NOTED OTHERWISE.

## M. CONDUIT IDENTIFICATION: USE ADHESIVE MARKING TAPE LABELS TO IDENTIFY ALL CONDUITS AND MC CABLES. CONDUITS LOCATED ABOVE NON-ACCESSIBLE CEILING OR IN FLOORS AND WALLS SHALL BE LABELED WITHIN 3 FEET OF EACH CONDUIT. ACCESSIBLE LABELS FOR MULTIPLE CONDUITS SHALL BE ALIGNED AND READ THE SAME DIRECTION. USE THE FOLLOWING COLORS:

- ABOVE





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CLIENT/PROJECT:  
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REVISIONS

NO.	DATE	DESCRIPTION
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SHEET DESCRIPTION  
**OVERALL DEMOLITION POWER PLAN**

50% DD  
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DRAWING SCALE: 1/8" = 1'-0"  
WGA PROJECT NUMBER: 23-209

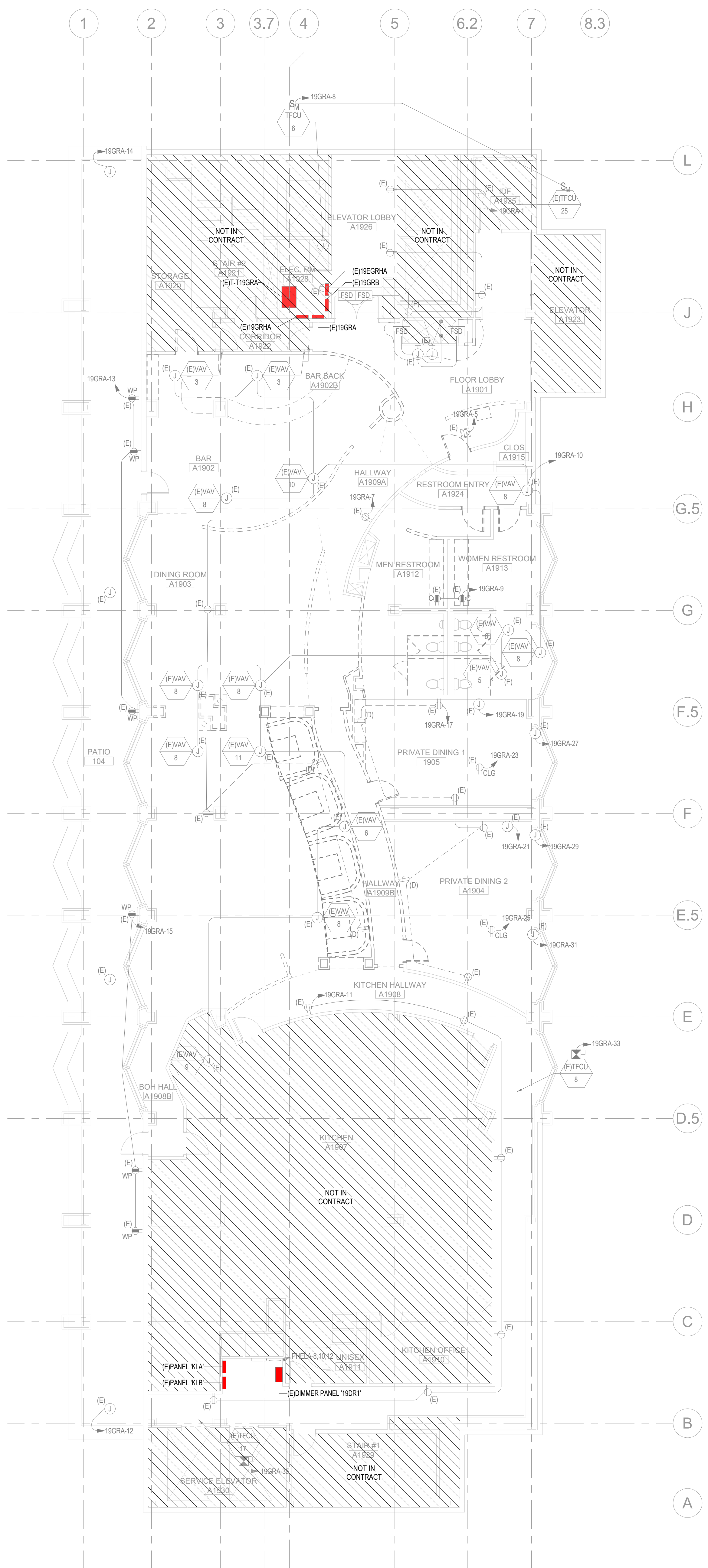
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SHEET NUMBER: ED210

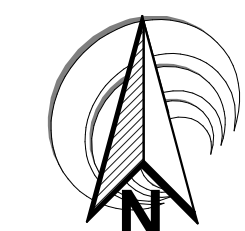
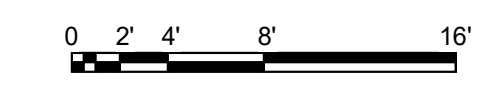
**DEMOLITION NOTES** (THIS SHEET ONLY)

1. (DEMO PERMIT ONLY) SCOPE OF WORK FOR THIS PERMIT IS TO DEMO EXISTING LIGHTING, POWER AND AUXILIARY DEVICES AND ITEMS WITHIN AREA INDICATED FOR FUTURE REMOVE.
2. CONTRACTOR SHALL DEMO EXISTING BRANCH CIRCUITS, FIXTURES, OUTLETS AND DEVICES AS REQUIRED. REMOVE CONDUIT AND CONDUCTORS BACK TO NEXT ACTIVE SOURCE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES EXACT AREAS AND REQUIREMENTS FOR DEMOLITION. CONTRACTOR SHALL FIELD VERIFY REQUIRED DEMO PRIOR TO BID. INCLUDE ALL COSTS FOR DEMOLITION IN BASE BID.
3. CONTRACTOR SHALL DEMO EXISTING AUXILIARY CONDUIT, CABLING, OUTLETS AND DEVICES AS REQUIRED. REMOVE CONDUIT AND CABLING BACK TO POINT OF SERVICE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES EXACT AREAS AND REQUIREMENTS FOR DEMOLITION. CONTRACTOR SHALL FIELD VERIFY REQUIRED DEMO PRIOR TO BID. INCLUDE ALL COSTS FOR DEMOLITION IN BASE BID.
4. FIRE ALARM, SECURITY, ACCESS CONTROL, SURVEILLANCE AND AV SYSTEMS ARE NOT A PART OF THE SCOPE OF WORK FOR THESE DRAWINGS. COORDINATE WITH OWNER AND OWNER'S PREFERRED LOW VOLTAGE CONTRACTORS PRIOR TO BID. INCLUDE ALL COSTS IN BASE BID FOR REQUIRED DEMO.
5. EXISTING ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT AND PLUMBING EQUIPMENT TO REMAIN UNCHANGED, UNO. SEE MECHANICAL AND PLUMBING DEMO DRAWINGS FOR ADDITIONAL INFORMATION. WHERE MECHANICAL AND PLUMBING DEMO DRAWINGS SHOW EQUIPMENT AND DEVICES TO BE DEMOED, REMOVED ELECTRICAL CONNECTIONS BACK TO NEXT ACTIVE SOURCE.
6. SEE PANEL SCHEDULES ON EXISTING RECORD DRAWINGS FOR ADDITIONAL INFORMATION.
7. IN AREAS WHERE EXISTING BRANCH CIRCUITS, AUXILIARY CONDUITS, AND CABLING ARE TO REMAIN UNCHANGED, EXTEND CONDUIT AND PROVIDE NEW CONDUCTORS/CABLING AS REQUIRED FOR CONTINUITY OF POWER CIRCUITS AND AUXILIARY DEVICES. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITING AND DEVICES TO REMAIN AND CONNECT TO EXISTING CIRCUITS OR CONNECT TO NEW CIRCUITS AS REQUIRED. ALL CIRCUITING SHALL BE IN COMPLIANCE WITH ALL NEC REQUIREMENTS. RECORD ACTUAL CONDITIONS AND INSTALLATION ON RECORD DRAWINGS. CONTRACTOR SHALL FULLY INVESTIGATE EXISTING CONDITIONS PRIOR TO BID AND CONSTRUCTION. INCLUDE ALL COSTS FOR INSTALLATION TO COMPLY WITH EXISTING CONDITIONS IN BASE BID.
8. COORDINATE WORKING HOURS AND ALLOWABLE OUTAGE TIMES WITH OWNER'S REPRESENTATIVE PRIOR TO BID. INCLUDE ANY COSTS FOR 'OFF-HOUR' TIMES OR REQUIRED OVERTIME IN BASE BID. COORDINATE AND SCHEDULE OUTAGE TIMES WITH OWNER AT LEAST (14) DAYS PRIOR TO OUTAGE. NO EXCEPTIONS.
9. ALL EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT IS TO REMAIN UNCHANGED, UNO.
10. EXISTING CIRCUITS AND FEEDERS SERVING ADJACENT AREAS ARE TO REMAIN UNCHANGED, UNO.
11. EXISTING ELECTRICAL DEVICES ARE SHOWN FOR REFERENCE ONLY AND DO NOT DEPICT ALL ELECTRICAL DEVICES REQUIRED FOR DEMOLITION. CONTRACTOR SHALL VISIT TO DETERMINE EXACT SCOPE OF DEMOLITION WORK PRIOR TO SUBMITTING BID. INCLUDE ALL COSTS FOR DEMOLITION BASED ON ACTUAL FIELD CONDITIONS IN BASE BID.
12. EXISTING SHOWN LIGHT WITH (E), DEMOLITION SHOWN LIGHT AND DASHED WITH (D).

**WORK NOTES** (THIS SHEET ONLY)



**1 OVERALL DEMOLITION POWER PLAN**  
ED210 SCALE: 1/8" = 1'-0"







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CLIENT/PROJECT:

MCGILLS STEAKHOUSE RENOVATION  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
OVERALL DEMOLITION LIGHTING PLAN

50% DD

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DRAWING SCALE: WGA PROJECT NUMBER:  
1/8" = 1'-0" 23-209

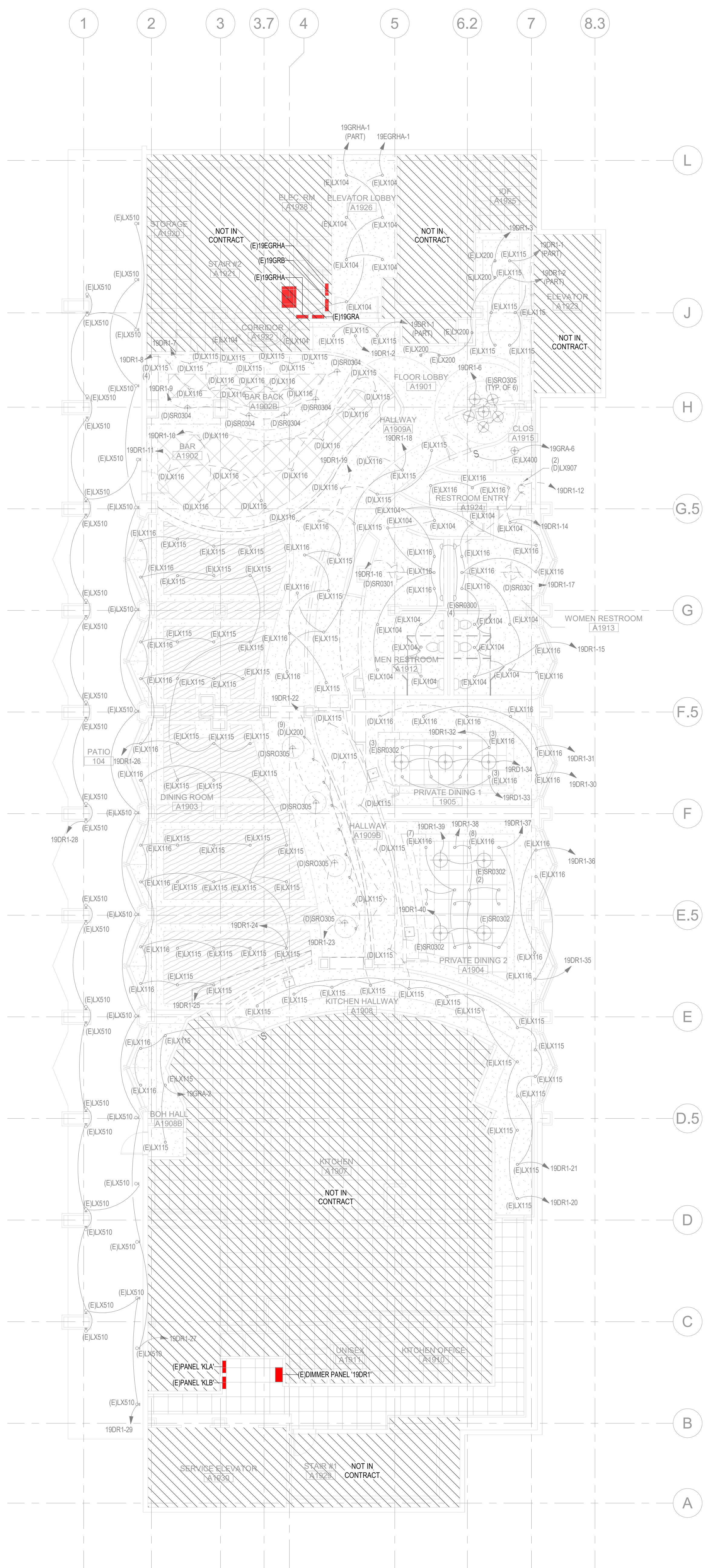
PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
ED211

DEMOLITION NOTES (THIS SHEET ONLY)

- DEMOLITION PERMIT ONLY SCOPE OF WORK FOR THIS PERMIT IS TO DEMO EXISTING LIGHTING, POWER AND AUXILIARY DEVICES AND ITEMS WITHIN AREA INDICATED FOR FUTURE REMOVE.
- CONTRACTOR SHALL DEMO EXISTING BRANCH CIRCUITS, FIXTURES, OUTLETS AND DEVICES AS REQUIRED. REMOVE CONDUIT AND CONDUCTORS BACK TO NEXT ACTIVE SOURCE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES EXACT AREAS AND REQUIREMENTS FOR DEMOLITION. CONTRACTOR SHALL FIELD VERIFY REQUIRED DEMO PRIOR TO BID. INCLUDE ALL COSTS FOR DEMOLITION IN BASE BID.
- CONTRACTOR SHALL DEMO EXISTING AUXILIARY CONDUIT, CABLES, OUTLETS AND DEVICES AS REQUIRED. REMOVE CONDUIT AND CABLES BACK TO POINT OF SERVICE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES EXACT AREAS AND REQUIREMENTS FOR DEMOLITION. CONTRACTOR SHALL FIELD VERIFY REQUIRED DEMO PRIOR TO BID. INCLUDE ALL COSTS FOR DEMOLITION IN BASE BID.
- FIRE ALARM, SECURITY, ACCESS CONTROL, SURVEILLANCE AND AV SYSTEMS ARE NOT A PART OF THE SCOPE OF WORK FOR THESE DRAWINGS. COORDINATE WITH OWNER AND OWNER'S PREFERRED LOW VOLTAGE CONTRACTORS PRIOR TO BID. INCLUDE ALL COSTS IN BASE BID FOR REQUIRED DEMO.
- EXISTING ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT AND PLUMBING EQUIPMENT TO REMAIN UNCHANGED, UNO. SEE MECHANICAL AND PLUMBING DEMO DRAWINGS FOR ADDITIONAL INFORMATION. WHERE MECHANICAL AND PLUMBING DEMO DRAWINGS SHOW EQUIPMENT AND DEVICES TO BE DEMOED, REMOVED ELECTRICAL CONNECTIONS BACK TO NEXT ACTIVE SOURCE.
- SEE PANEL SCHEDULES ON EXISTING RECORD DRAWINGS FOR ADDITIONAL INFORMATION.
- IN AREAS WHERE EXISTING BRANCH CIRCUITS, AUXILIARY CONDUITS, AND CABLES ARE TO REMAIN UNCHANGED, EXTEND CONDUIT FOR CONTINUITY OF POWER CIRCUITS AND AUXILIARY DEVICES. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITING AND DEVICES TO REMAIN AND CONNECT TO EXISTING CIRCUITS OR CONNECT TO NEW CIRCUITS AS REQUIRED. ALL CIRCUITING SHALL BE IN COMPLIANCE WITH ALL NEC REQUIREMENTS. RECORD ACTUAL CONDITIONS AND INSTALLATION ON RECORD DRAWINGS. CONTRACTOR SHALL FULLY INVESTIGATE EXISTING CONDITIONS PRIOR TO BID AND CONSTRUCTION. INCLUDE ALL COSTS FOR INSTALLATION TO COMPLY WITH EXISTING CONDITIONS IN BASE BID.
- COORDINATE WORKING HOURS AND ALLOWABLE OUTAGE TIMES WITH OWNER'S REPRESENTATIVE PRIOR TO BID. INCLUDE ANY COSTS FOR OFF-HOUR TIMES OR REQUIRED OVERTIME IN BASE BID. COORDINATE AND SCHEDULE OUTAGE TIMES WITH OWNER AT LEAST (14) DAYS PRIOR TO OUTAGE, NO EXCEPTIONS.
- ALL EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT IS TO REMAIN UNCHANGED, UNO.
- EXISTING CIRCUITS AND FEEDERS SERVING ADJACENT AREAS ARE TO REMAIN UNCHANGED, UNO.
- EXISTING ELECTRICAL DEVICES ARE SHOWN FOR REFERENCE ONLY AND DO NOT DEPICT ALL ELECTRICAL DEVICES REQUIRED FOR DEMOLITION. CONTRACTOR SHALL VISIT TO DETERMINE EXACT SCOPE OF DEMOLITION WORK PRIOR TO SUBMITTING BID. INCLUDE ALL COSTS FOR DEMOLITION BASED ON ACTUAL FIELD CONDITIONS IN BASE BID.
- EXISTING SHOWN LIGHT WITH (E), DEMOLITION SHOWN LIGHT AND DASHED WITH (D).

WORK NOTES (THIS SHEET ONLY)







WORTHGROUP  
ARCHITECTS & DESIGNERS

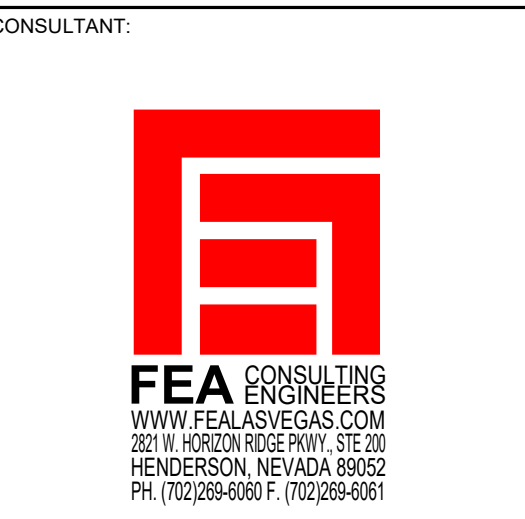
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CLIENT/PROJECT:  
**MCGILLS  
STEAKHOUSE  
RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS

NO.	DATE	DESCRIPTION
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SHEET DESCRIPTION  
**POWER PLAN**

50% DD

DRAWING SCALE: 1/8" = 1'-0"  
WGA PROJECT NUMBER: 23-209

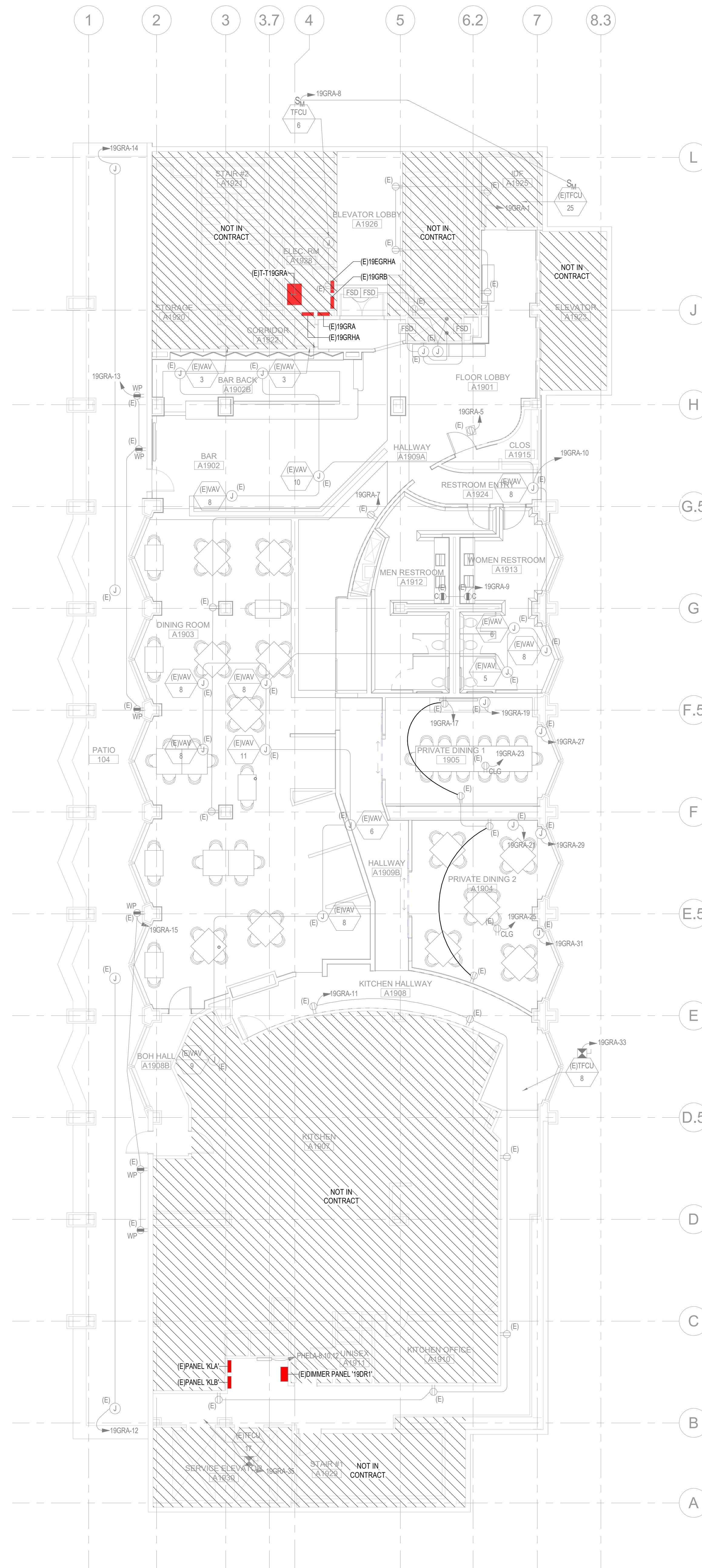
PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**E210**

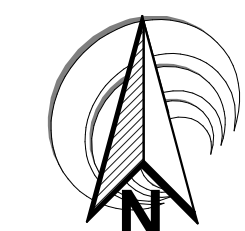
**GENERAL NOTES** (THIS SHEET ONLY)

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
- REFER TO GENERAL NOTES ON SHEET E000 FOR CONDUIT AND CONDUCTOR SIZES REQUIRED FOR VOLTAGE DROP.
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS AND ADDITIONAL REQUIREMENTS REGARDING MECHANICAL AND PLUMBING EQUIPMENT.
- COORDINATE AND OBTAIN APPROVAL FROM STRUCTURAL ENGINEER ROUTING OF ANY CONDUIT OR RACEWAY IN SLAB PRIOR TO ROUGH-IN.
- COORDINATE ROUTING OF RACEWAYS WITH OTHER TRADES PRIOR TO ROUGH-IN.
- SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- REFER TO SECURITY/SURVEILLANCE AND AV DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING SHOWN LIGHT WITH (E).

**WORK NOTES** (THIS SHEET ONLY)



**1 OVERALL POWER PLAN**  
SCALE: 1/8" = 1'-0"







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CLIENT/PROJECT:  
**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS table with columns NO., DATE, DESCRIPTION

SHEET DESCRIPTION  
**LIGHTING PLAN**  
50% DD

DRAWING SCALE: 1/8" = 1'-0"  
WGA PROJECT NUMBER: 23-209

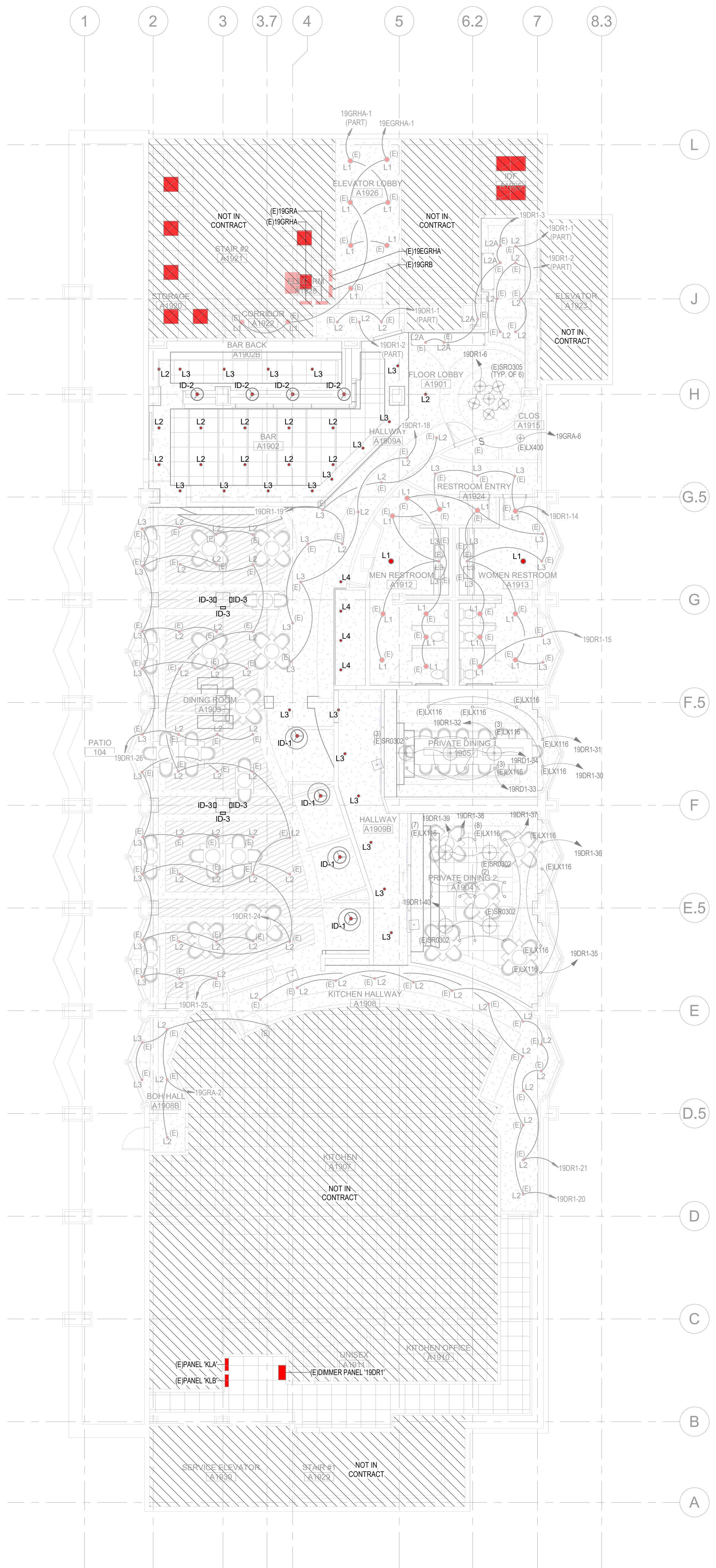
PROGRESS DATE:  
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SHEET NUMBER:  
**E310**

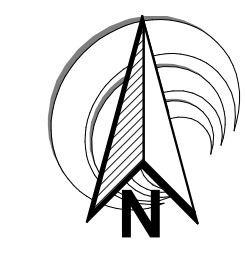
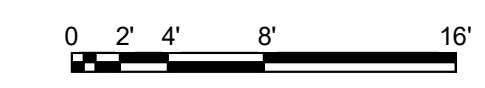
**GENERAL NOTES** (THIS SHEET ONLY)

- 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
- 2. REFER TO POWER PLANS FOR PROPOSED LOCATIONS OF ELECTRICAL DISTRIBUTION EQUIPMENT.
- 3. REFER TO GENERAL NOTES ON SHEET E000 FOR CONDUIT AND CONDUCTOR SIZES REQUIRED FOR VOLTAGE DROP.
- 4. PROVIDE REQUIRED LIGHTING TRANSFORMERS AND COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE ACCESS PANELS AND OVERCURRENT PROTECTION AS REQUIRED.
- 5. VERIFY EGRESS PATHS WITH FINAL ARCHITECTURAL EXITING PLANS. PROVIDE ADDITIONAL EXIT SIGNS REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR APPROVAL. RECORD LOCATIONS OF ADDITIONAL EXIT SIGNS ON RECORD DRAWINGS.
- 6. COORDINATE AND OBTAIN APPROVAL FROM STRUCTURAL ENGINEERING ROUTINGS OF ANY CONDUIT OR RACEWAY IN SLAB PRIOR TO ROUGH-IN.
- 7. TICK MARKS NOT SHOWN FOR CLARITY. CONTRACTOR SHALL PROVIDE ALL REQUIRED PHASE, NEUTRAL, SWITCHED AND GROUND CONDUCTORS REQUIRED FOR CONTROLS INDICATED.
- 8. PROVIDE ADDITIONAL CONTROL WIRES FOR ALL 0-10V/DIMX LUMINAIRES AND DRIVERS IN ADDITION TO THE NORMAL CONDUCTORS. COORDINATE WITH SPECIALTY LIGHTING DESIGNER DRAWINGS, CUTSHEETS AND SPECIFICATIONS FOR EXACT LUMINAIRES THAT REQUIRE 0-10V/DIMX WIRING. COORDINATE WITH LIGHTING CONTROL MANUFACTURER TO PROVIDE SHOP DRAWING INDICATING EXACT MODULES REQUIRED FOR A COMPLETE AND OPERABLE LIGHTING SYSTEM OF ALL 0-10V/DIMX LIGHTING AND OTHER LIGHTING TYPES PRIOR TO PROCUREMENT AND INSTALLATION. INCLUDE ALL COST WITH BASE BID.
- 9. REFER TO LIGHTING CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION.
- 10. EXISTING SHOWN LIGHT.

**WORK NOTES** (THIS SHEET ONLY)



**1 OVERALL LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"





**GENERAL NOTES** (ALL SHEETS)

- THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL.
- COMPLY WITH ALL NATIONAL, STATE, COUNTY, CITY AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION, INCLUDING RULES AND REQUIREMENTS OF UTILITY SERVING AGENCIES.
- INCORPORATE ALL CODES AND ORDINANCES INTO THE BASE BID AND INSTALLATION OF WORK. NO ADDITIONAL FUNDS WILL BE ALLOCATED FOR WORK REQUIRED TO CONFORM TO REGULATIONS AND REQUIREMENT AND/OR TO OBTAIN APPROVAL OF WORK.
- OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.
- ALL INSTALLATIONS, AT A MINIMUM, SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS:
  - INTERNATIONAL ENERGY CONSERVATION CODE
  - ILLUMINATING ENGINEERING SOCIETY RECOMMENDED PRACTICES AND GUIDELINES
  - NATIONAL ELECTRIC CODE
  - APPLICABLE NFPA STANDARDS
  - HEALTH CODES
  - FIRE CODE AS ADOPTED BY AUTHORITY HAVING JURISDICTION
  - THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION STANDARDS
  - AMERICAN NATIONAL STANDARDS INSTITUTE
  - ALL LOCALLY ADOPTED AMENDMENTS, CODES AND ORDINANCES IN THE JURISDICTION OF THE PROJECT.
  - ALL LIGHTING COMPONENTS AND DEVICES SHALL BE U.L. LISTED OR LISTED BY OTHER APPROVED TESTING AGENCY.
- ALL CODES AND STANDARDS SHALL BE THE LATEST EDITIONS AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION FOR THIS PROJECT. OBTAIN CURRENT COPIES OF ALL LOCALLY ADOPTED CODES AND ORDINANCES PRIOR TO BID AND INCLUDE ALL COSTS TO COMPLY WITH CODES AND ORDINANCES IN BASE BID.
- DESIGN DRAWINGS ARE DIAGRAMMATIC AND ARE ONLY INTENDED TO DEFINE THE BASIC FUNCTIONS REQUIRED. PROVIDE ALL MATERIAL, ETC. NECESSARY TO ACCOMPLISH THESE REQUIREMENTS. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND ARE A PART OF THE WORK INCLUDED. HOWEVER, NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE PERMITTED. DO NOT SCALE THE DRAWINGS.
- IF A CONFLICT OCCURS BETWEEN THE DESIGN DRAWINGS AND SPECIFICATIONS, BID THE GREATER QUALITY AND/OR QUANTITY.
- PROVIDE SHOP DRAWING LAYOUT OF ALL MILLWORK PIECES THAT REQUIRE LUMINAIRE(S) SPECIFIED. LAYOUT SHALL SHOW LOCATION(S) OF LUMINAIRE(S) AND ANY ASSOCIATED DRIVER(S) IN MILLWORK AND SHALL BE DRAWN TO SCALE.
- MAINTAIN ACCURATE CONTINUOUS RECORDS OF ANY AND ALL CHANGES FROM THE CONTRACT DOCUMENTS AND SHOP DRAWINGS. UPON COMPLETION OF THE PROJECT, DELIVER TO THE OWNER, ONE (1) SET OF LEGIBLE AND REPRODUCIBLE COPIES OF THESE "AS-BUILT" RECORD DRAWINGS.
- ALL TERMINATIONS AND DEVICES SHALL BE LISTED FOR 75 DEGREES C UNLESS NOTED OTHERWISE.
- ALL LUMINAIRE AND DRIVERS SHALL BE U.L. LISTED OR LISTED BY A RECOGNIZED TESTING AGENCY.
- ALL FLUORESCENT FIXTURES SHALL BE PROVIDED WITH ENERGY SAVING LAMPS AND ELECTRONIC BALLASTS. PROVIDE ZERO DEGREE BALLASTS FOR EXTERIOR LIGHTING FIXTURES.
- ALL LAMPS SHALL BE BY THE SAME MANUFACTURER AND FURNISHED BY THE CONTRACTOR UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL BALLASTS SHALL BE LOW HARMONIC TYPE, THD <10%.
- ALL WORK SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE IN AN APPROVED MANNER AND FASTENED TO BUILDING CONSTRUCTION WITH APPROVED SUPPORTS.
- COORDINATE LIGHTING WORK WITH OTHER TRADES PRIOR TO SUBMITTING BID.
- RACEWAYS SHALL BE INSTALLED CONCEALED, UNLESS NOTED OTHERWISE.
- PROVIDE SEPARATE BOXES AND RACEWAYS FOR DIFFERENT VOLTAGE SYSTEMS.
- ALL LIGHTING SYSTEMS, EQUIPMENT, RACEWAYS AND COMPONENTS SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ARTICLE 250 AND AS INDICATED ON DOCUMENTS.
- ALL LIGHTING DISTRIBUTION EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE NEC 110.26 CLEAR WORKING SPACE REQUIREMENTS.
- VERIFY WITH PROJECT STRUCTURAL ENGINEER OR RETAIN THE SERVICES OF LICENSED STRUCTURAL ENGINEER TO PROVIDE ANY MOUNTING DIAGRAMS OR CALCULATIONS REQUIRED FOR MOUNTING OF LIGHTING EQUIPMENT PRIOR TO ROUGH-IN. ALL COSTS TO BE INCLUDED IN BASE BID.
- PROVIDE ALL NECESSARY MOUNTING SUPPORTS FOR LIGHTING FIXTURES. WHERE FIXTURES ARE INSTALLED IN SUSPENDED CEILING SYSTEMS, SECURE FIXTURES TO CEILING FRAME SYSTEM AND PROVIDE FIXTURE SUPPORTS INDEPENDENT OF CEILING SUSPENSION SYSTEM AS REQUIRED PER APPLICABLE CODE.
- RECESSED FIXTURES IN FIRE RATED CEILINGS AND RETURN AIR PLENUMS SHALL BE RATED FOR THE FIRE RATING OF THE CEILING OR SHALL BE FULLY ENCLOSED IN A FIRE RATED HOUSING ACCEPTABLE TO AUTHORITY HAVING JURISDICTION.
- VERIFY TYPE OF MOUNTING REQUIRED FOR ALL LIGHTING FIXTURES AND PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECT SIZING AND INSTALLATION OF ALL OUTLET, RULL AND JUNCTION BOXES IN ACCORDANCE WITH NEC 370. ALL BOXES SHALL BE RECESSED WITH COVER PLATE TO SUIT THE INTENDED APPLICATION.
- ALL WIRE AND CONDUIT CALL OUTS SHOWN ARE FOR THE ENTIRE CIRCUIT LENGTH UNLESS SPECIFICALLY NOTED OTHERWISE.
- REFER TO ARCHITECTURAL, INTERIOR DESIGNER, AND ACOUSTICAL ENGINEERING DRAWINGS AND REPORTS FOR ADDITIONAL REQUIREMENTS. PROVIDE ALL COSTS IN BASE BID FOR A COMPLETE INSTALLATION IN COMPLIANCE WITH ARCHITECTURAL, INTERIOR DESIGNER, AND ACOUSTICAL REQUIREMENTS AND RECOMMENDATIONS.
- ALL LIGHTING DISTRIBUTION AND CONTROL EQUIPMENT SHALL BE OF THE SAME MANUFACTURER, INCLUDING: DIMMER BOARDS, RELAY PANELS, CONTROL STATIONS, RELAYS, LIGHTING CONTACTORS, LIGHTING CONTROL PROCESSORS, TRANSFER CABINETS, ETC.
- ALL ADJUSTABLE FIXTURES SHALL BE LOCATED AND PROPERLY AIMED AS DIRECTED BY THE ARCHITECT OR LIGHTING DESIGNER. ALL AIMING OF BUILDING FACADE LIGHTING SHALL BE PERFORMED BY CONTRACTOR AT NIGHT WITH DIRECTION FROM THE LIGHTING DESIGNER OR ARCHITECT.
- COORDINATE ALL LIGHTING, LUMINAIRE TYPES AND LOCATIONS, ELECTRICAL DEVICES AND LOW VOLTAGE DEVICES WITH ELECTRICAL ENGINEER, ARCHITECT, AND INTERIOR DESIGN CONSULTANTS PRIOR TO SUBMITTING BID AND ROUGH-IN. INCLUDE ALL COSTS FOR IN BASE BID.
- ALL DIMMER BOARD AND RELAY PANEL COVERS SHALL BE HINGED TYPE.
- ALL LIGHTING CONTROL DEVICES (IE. TIMELOCKS, ETC.) SHALL HAVE BATTERY BACKUP TO RETAIN SETTINGS UPON THE LOSS OF NORMAL POWER FOR A MINIMUM OF 10 HOURS.
- EMERGENCY CIRCUITS TO BE ROUTED IN COMPLIANCE WITH NEC 700.10 AND SOUTHERN NEVADA NEC AMENDMENTS.
- EMERGENCY LIGHTING SHALL BE THROUGH AN APPROVED EMERGENCY SOURCE OF POWER SUCH AS A GENERATOR, LIGHTING INVERTER, AND/OR INTEGRAL BATTERY BACKUP SOURCE THAT ALLOWS FOR 90 MINUTES OF RUNTIME UPON THE LOSS OF NORMAL POWER. LIGHTING INVERTERS SHALL BE UL60 COMPLIANT.
- LED LUMINAIRE TO COMPLY WITH UL 1598, ANSI C82, NFPA 70, TEST ACCORDING TO IES LM-79 AND LM-80. COMPLY WITH IESNA TM-16-05 AND RP-16.
- LED LUMINAIRE TO HAVE A MINIMUM CRI GREATER THAN 80 AND A MAX 3-STEP MACADAM ELLIPSE.
- LED DRIVERS TO COMPLY WITH UL "RECOGNIZED COMPONENT" STATUS AND TYPE TL PROGRAM. COMPLY WITH ANSI C82.5S11, C82.27, UL CLASS 2 DRIVERS TO COMPLY WITH UL 1310.
- PROVIDE ADDITIONAL CONTROL WIRES FOR ALL 0-10V LUMINAIRE AND DRIVERS IN ADDITION TO THE NORMAL CONDUCTORS.
- PROJECTS WITH NEW LIGHTING CONTROL EQUIPMENT, CONTRACTOR TO PROVIDE A SHOP DRAWING WITH ALL THE COMPONENTS AND MODULES COORDINATED WITH THE VARIOUS TYPES OF LUMINAIRE AND THEIR CORRESPONDING DRIVERS IF REQUIRED FOR REVIEW BY LIGHTING DESIGNER AND ELECTRICAL ENGINEER.
- PROJECTS WITH EXISTING LIGHTING CONTROL EQUIPMENT, CONTRACTOR TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. ANY NEW COMPONENTS CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR REVIEW BY LIGHTING DESIGNER AND ELECTRICAL ENGINEER.
- PROJECTS WITH LIGHTING CONTROL EQUIPMENT, CONTRACTOR TO ENGAGE IN THE SERVICES OF A CERTIFIED PROGRAMMER FOR THE LIGHTING CONTROL EQUIPMENT. CONTRACTOR TO INCLUDE PROGRAMMING COST IN THE BASE BID. THE CERTIFIED PROGRAMMER SHALL COORDINATE WITH THE LIGHTING DESIGNER ALL THE DESIRED LIGHTING SCENES, EFFECTS AND PRE-SET SCENES PRIOR TO TURNOVER OF THE LIGHTING SYSTEM TO OWNERSHIP.
- CONTRACTOR TO INCLUDE IN THEIR SCHEDULE A BLOCK OF TIME FOR SCENE SETTING BY THE LIGHTING DESIGNER, INTERIOR DESIGNER, AND ARCHITECT. CONTRACTOR TO COORDINATE WITH THE ABOVE MENTIONED TEAM ON LENGTH OF TIME REQUIRED FOR SCENE SETTING ONCE THE PROJECT IS NEAR COMPLETION.
- ALL DIMMING EQUIPMENT SHOWN TO BE LOCATED IN AN AIR-CONDITIONED SPACE. CONTRACTOR TO REFER TO DIMMING EQUIPMENT MANUFACTURER AND MECHANICAL ENGINEER FOR EXACT COOLING REQUIREMENTS.
- ALL LIGHTING CONTACTORS SHALL BE ELECTRICALLY OPERATED AND MECHANICALLY HELD. PROVIDE RKS FUSES FOR EACH CIRCUIT AT CONTACTOR CABINET TO LIMIT AVAILABLE FAULT CURRENT TO WITHIN THE AIC RATING OF THE CONTACTOR. PROVIDE COIL CLEARING CONTACTS FOR MECHANICALLY HELD CONTACTORS FOR LATCH AND UNLATCH COILS.
- MOUNT ALL PHOTOCELLS FACING NORTH ON HIGHEST PARAPET UNLESS OTHERWISE NOTED ON PLANS.
- TIMELOCKS TO BE ASTRONOMICAL AND DIGITAL TYPE.
- PROVIDE AN UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS AND EMERGENCY LIGHTS. JUNCTION BOX FOR ALL HANGING FIXTURES (PENDANT, CHANDELER, CEILING FAN, ETC.) SHALL BE BRACED TO SUPPORT THE FIXTURE PER NEC 314.23 AND 315.27. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT AND STRUCTURAL ENGINEER. PROVIDE ALL COST FOR FIXTURE SUPPORTS UNDER THE BASE BID.
- CONTRACTOR TO PROVIDE ACCESS HATCHES FOR ANY REMOTE TRANSFORMERS AND DRIVERS. COORDINATE REQUIREMENTS WITH ARCHITECT FOR EXACT OPENING AND LOCATION PRIOR TO ROUGH-IN. PROVIDE ALL COSTS IN BASE BID.

**LEGEND** (NOT ALL SYMBOLS WILL BE USED)

**LIGHTING FIXTURE SYMBOLS**

- UPPER CASE LETTER DENOTES FIXTURE TYPE  
LOWER CASE LETTER DENOTES CONTROL DESIGNATION  
NUMBER DENOTES CIRCUIT NUMBER  
"NL" DENOTES UNSWITCHED NIGHT LIGHT
- FLUORESCENT STRIP FIXTURE (LENGTH AS INDICATED)
  - FLUORESCENT FIXTURE (SIZE AS INDICATED)
  - EMERGENCY LIGHTING FIXTURE (SIZE AS INDICATED)
  - CEILING OR GRADE MOUNTED FIXTURE (AS SCHEDULED)
  - WALL MOUNTED FIXTURE
  - TRACK LIGHTING FIXTURE WITH LENGTH AND NUMBER OF HEADS AS SHOWN
  - EXIT SIGN - SHADED AREAS INDICATE ILLUMINATED FACES - PROVIDE DIRECTIONAL ARROWS AS INDICATED (VERIFY MOUNTING)
  - FLOOD LIGHT
  - POLE MOUNTED LUMINAIRE (HEADS AS INDICATED)

**CONTROL DEVICE SYMBOLS**

- LOWER CASE LETTER DENOTES CONTROL DESIGNATION  
(SWITCHES FLUSH MOUNTED @+48" AFF. UNO)
- S SINGLE POLE SWITCH
  - S<sub>3</sub> 3-WAY SWITCH
  - S<sub>4</sub> 4-WAY SWITCH
  - S<sub>D</sub> DIMMER SWITCH
  - S<sub>K</sub> KEY OPERATED SWITCH
  - S<sub>M</sub> MANUAL MOTOR STARTER WITH THERMAL OVERLOADS
  - S<sub>OS</sub> SWITCH WITH INTEGRAL OCCUPANCY SENSOR
  - S<sub>P</sub> SWITCH WITH PILOT LIGHT
  - PC PHOTOCELL
  - OS OCCUPANCY SENSOR, CEILING MOUNTED
  - TC TIMELOCK
  - T THERMOSTAT
  - CS CONTROL STATION

**RACEWAY SYMBOLS**

- 1/2" CONCEALED CONDUIT WITH (3) #12 WIRES, UNO
- CONDUIT UNDERGROUND OR BELOW GRADE
- CONDUIT HOMERUN
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- CONDUIT STUBBED AND CAPPED
- CONDUIT WITH SEAL-OFF
- GROUND CONNECTION

**ANNOTATIONS**

- X KEY NOTE
- Δ REVISION SYMBOL
- XX DIAGRAM CALLOUT
- XX MECHANICAL EQUIPMENT CALLOUT

**ABBREVIATIONS**

ABBREVIATION	DESCRIPTION
A AMP	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
CW	COLD WATER
DEMO	DEMOLITION/DEMOLISH
DISC	DISCONNECT
EC	ELECTRICAL CONTRACTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEV	ELEVATOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
FBO	FURNISHED BY OTHERS
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
IMC	INTERMEDIATE METALLIC CONDUIT
ISC	SHORT CIRCUIT AMPERES, KA
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
kcmil	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
NECA	NATIONAL ELECTRICAL CONTRACTOR'S ASSOCIATION
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFC	NATIONAL FIRE CODE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PF	POWER FACTOR
∅, PH	PHASE
RGC	RIGID GALVANIZED CONDUIT
SW	SWITCH
TEL	TELEPHONE
T-STAT	THERMOSTAT
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
V	VOLT OR VOLTAGE
VA	VOLT AMPERE
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER

**Lighting Drawing Index**

ISSUE		SHEET NUMBER	SHEET NAME
NO.	DATE		
		LTS0.00	LIGHTING COVER SHEET
		LTS0.01	LUMINAIRE SCHEDULES
		LTS210	OVERALL LIGHTING FLOOR PLAN
		LTS311	OVERALL REFLECTED CEILING PLAN



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REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**LIGHTING COVER SHEET**

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WGA PROJECT NUMBER: 23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**LTS0.00**



LIGHT THEORY STUDIOS		LIGHTING ZONE SCHEDULE - HR TULSA STEAKHOUSE REMODEL							
702.269.8618		DD							
DIMMERS TO BE PROGRAMMED-PATCHED TO LTS ZONES		TYPE OF CONTROL SYSTEM							
DIMMERS PANELS, MODULES ASSIGNED BY ELECTRICAL ENGINEER									
LTS ZONE	CONTROL STATION	LOAD TYPE	ZONE LOCATION	FUNCTION	FIXTURE TYPE	FIXTURE/ TRACK HEAD COUNT	FIXTURE LENGTH/AREA	WATTS	TOTAL WATTS
ZONE 1		0-10V							0
ZONE 2		0-10V							0
ZONE 3		0-10V							0
ZONE 4		0-10V							0
ZONE 5		0-10V							0
ZONE 6		0-10V							0
ZONE 7		0-10V							0
ZONE 8		0-10V							0
ZONE 9		0-10V							0
ZONE 10		0-10V							0
ZONE 11		0-10V							0
ZONE 12		0-10V							0
ZONE 13		0-10V							0
ZONE 14		0-10V							0
ZONE 15		0-10V							0
ZONE 16		0-10V							0
ZONE 17		0-10V							0
ZONE 18		0-10V							0
ZONE 19		0-10V							0
ZONE 20		0-10V							0
ZONE 21		0-10V							0
ZONE 22		0-10V							0
ZONE 23		0-10V							0
ZONE 24		0-10V							0
ZONE 25		0-10V							0
ZONE 26		0-10V							0
ZONE 27		0-10V							0
ZONE 28		0-10V							0
ZONE 29		0-10V							0
ZONE 30		0-10V							0
								TOTAL	0

Lighting Control Station Schedule			
CONTROL STATION	LOCATION	FUNCTIONALITY	
LCS-1			
LCS-2			
LCS-3			
LCS-4			
LCS-5			
LCS-6			
LCS-7			
LCS-8			
LCS-9			
LCS-10			

## LUMINAIRE SCHEDULE - HR TULSA STEAKHOUSE REMODEL

TYPE	DESCRIPTION	MANUFACTURER & MODEL NUMBER	LAMP QTY	LAMP TYPE	VOLTAGE	WATTAGE	NOTES
L1	4" DIAMETER LED RECESSED DOWNLIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L2	4" DIAMETER LED RECESSED DOWNLIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L2A	4" DIAMETER LED RECESSED ADJUSTABLE DOWNLIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L3	4" DIAMETER LED RECESSED DOWNLIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L4	4" DIAMETER LED RECESSED DOWNLIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L200	LED LENSED TAPE LIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L201	LED LENSED TAPE LIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L202	LED LENSED TAPE LIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L203	LED LENSED TAPE LIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L204	LED LENSED TAPE LIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
L205	LED LENSED TAPE LIGHT PHASE DIMMABLE	TBD	INCLUDED	LED 2700K	120		UL LISTED
ID-1	ID PENDANT	FF&E	INCLUDED	LED 2700K	120		UL LISTED
ID-2	ID PENDANT	FF&E	INCLUDED	LED 2700K	120		UL LISTED
ID-3	ID WALL SCONCE	FF&E	INCLUDED	LED 2700K	120		UL LISTED

- CONTRACTOR TO PROVIDE ALL LAMPS AND MATCH CCT PER FIXTURE SCHEDULE.
- INCLUDE IN BASE BID ALL LABOR AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION OF ALL FIXTURES INDICATED ON DRAWINGS.
- PROVIDE ALL REQUIRED JUNCTION BOXES FOR LIGHTING INSTALLATION.
- CONTRACTOR TO VERIFY CONSTRUCTION TYPE AT EACH FIXTURE AND PROVIDE THE REQUIRED TRIMS AND MOUNTING ACCESSORIES FOR THE APPLICATION.
- PROVIDE ALL NECESSARY SUPPORTS INDEPENDANT OF CEILING SYSTEM AS REQUIRED PER CODES AND ORDINANCES.
- RECESSED FIXTURES IN FIRE RATED CEILING AND AIR FLENUMS SHALL BE APPROVED BY THE LOCAL JURISDICTION FOR THE FIRE RATINGS OF THE CEILING OR FULLY ENCLOSED IN A FIRE RATED HOUSING.
- COORDINATE LOCATION AND MOUNTING HEIGHT OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL, ELECTRICAL, LIGHTING DESIGN DRAWINGS, AND OLTER TRADES PRIOR TO ROUGH IN.
- FIXTURES WITH INTEGRAL EMERGENCY BATTERY PACK TO INCLUDE INTEGRAL TEST SWITCH. REMOTE TEST SWITCHES ARE NOT ACCEPTABLE.
- ALL FINISHES TO BE VERIFIED AND CONFIRMED WITH ARCHITECT PRIOR TO BIDDING PROJECT.
- PROVIDE SEPERATE NEUTRAL CONDUCTORS TO EACH DIMMED CIRCUIT SWITCH LEG. DO NOT SHARE NEUTRAL CONDUCTORS IN DIMMED CIRCUITS.
- PROVIDE AN UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, AND EMERGENCY BATTERY FIXTURES.
- UNLESS SPECIFIED DIFFERENTLY ALL INTERIOR LED FIXTURES MUST HAVE A 80 CRI OR GREATER AND INCLUDE A MAX 3-STEP MACADAM ELLIPSE.
- ALL FIXTURES MUST COMPLY WITH IES LM 79 AND TM-30 PHOTOMETRIC TESTING STANDARDS.
- LED LIFE TESTING TO BE IN ACCORDANCE WITH WITH LM 80 STANDARDS.
- UNLESS SPECIFIED DIFFERENTLY ALL FIXTURES TO BE UL, ETL, OR CSA LISTED. FIXTURES TO COMPLY WITH IESNA TM-16-05 AND RP-16.
- LED DRIVERS TO BE UL LISTED OR INCLUDE UL RECOGNIZED COMPONENTS UNLESS SPECIFIED DIFFERENTLY.
- LED DRIVERS TO COMPLY WITH ANSW C82.SS1, C82.77. UL CLASS II DRIVERS TO COMPLY WITH UL 1310.
- PROVIDE ADDITIONAL CONTROL WIRES FOR ALL 0-10V FIXTURES AND DRIVERS IN ADDITION TO THE NORMAL CONDUCTORS.
- COORDINATE ALL FIXTURES SPECIFIED BY THE ARCHITECT, INTERIOR DESIGNER, AND LIGHTING DESIGNER PRIOR TO BID. FIXTURES LISTED IN SCHEDULE TO COMPLY WITH VOLTAGE AND WATTAGE LISTED ON FIXTURE SCHEDULE.
- COORDINATE EXIT SIGN LOCATIONS AND CHEVRON DIRECTIONS IN ACCORDANCE WITH THE ARCHITECTS EXITING PLAN. RECORD ANY CHANGES ON RECORD DRAWINGS.
- UNLESS SPECIFIED DIFFERENTLY ALL LIGHT FIXTURES TO INCLUDE A MINIMUM 5 YEAR WARRANTY.
- ALL SITE LIGHTING TO HAVE A MINIMUM WIND LOADING (EPA) OF 100 MPH WINDS WITH 1.3 GUST FACTOR OR MORE IF LOCATION IS IN A HIGHER WIND LOAD AREA.

DATE: 12/20/2023



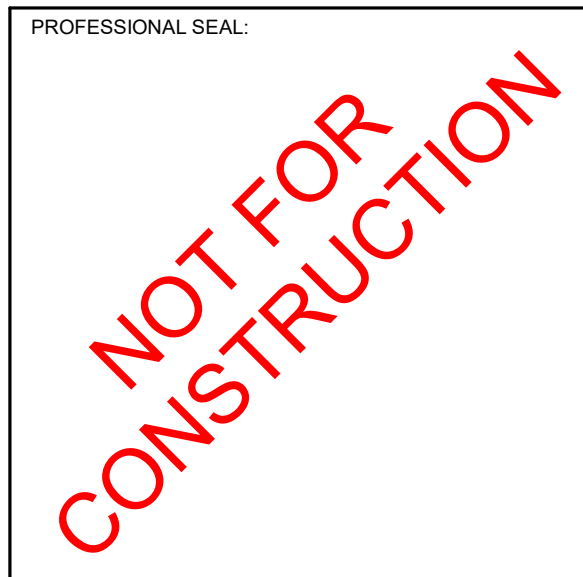
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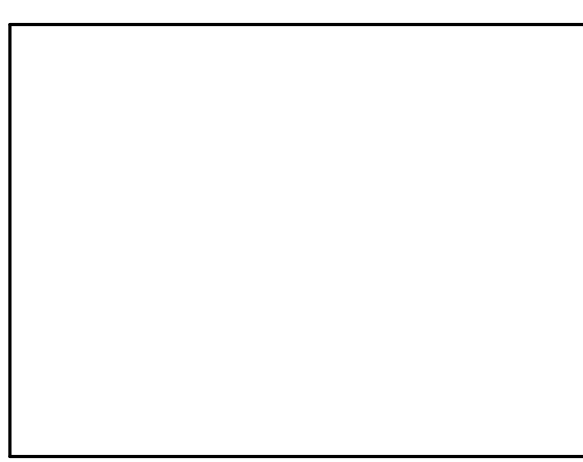
CLIENT/PROJECT:

**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
LUMINAIRE SCHEDULES

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DRAWING SCALE: WGA PROJECT NUMBER:  
23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**LTS0.01**





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STEAKHOUSE  
RENOVATION**  
CHEROKEE NATION

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REVISIONS

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**OVERALL LIGHTING  
FLOOR PLAN**

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DRAWING SCALE: 1/8" = 1'-0"  
WGA PROJECT NUMBER: 23-209

PROGRESS DATE:  
22 DECEMBER 2023

SHEET NUMBER:  
**LTS210**

**GENERAL NOTES** (THIS SHEET ONLY)

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
- PROVIDE REQUIRED LIGHTING TRANSFORMERS, AND DRIVERS. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE ACCESS PANELS AND OVERCURRENT PROTECTION AS REQUIRED.
- INSTALL LIGHTING EQUIPMENT, INCLUDING BUT NOT LIMITED TO LUMINAIRES, CONTROLS, AND AUXILIARY DEVICES PER MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS.
- CONTRACTOR TO COORDINATE THE LIGHTING SYSTEM INSTALLATION WITH OTHER TRADES TO ELIMINATE INTERFERENCE WITH HANGERS, MECHANICAL DUCTS, SPRINKLERS, PIPES, ETC.
- REFLECTORS, LOUVERS, BAFFLES, TRIMS, AND OTHER DECORATIVE ELEMENTS SHALL BE INSTALLED AFTER CEILING TILE INSTALLATION, PAINTING, PLASTERING, AND BASIC CLEAN-UP.
- ALL LUMINAIRES AND ACCESSORIES SHALL BE COMPLETELY CLEANED AFTER INSTALLATION. REMOVE ALL FINGERPRINTS, DIRT, TARS, SMUDGES, DRYWALL DUST, AND NON-FACTORY APPLIED PAINT PRIOR TO FINAL ACCEPTANCE. CLEANING SHALL BE PER MANUFACTURERS INSTRUCTIONS.
- E.C. TO DETERMINE WIRE SIZE ACCORDING TO LOAD AND WIRE LENGTH (OR REFER TO MANUFACTURERS RECOMMENDATIONS) TO ENSURE THAT ANY VOLTAGE DROP TO THE FIXTURES IS ELIMINATED. E.C. SHALL COORDINATE WITH THE G.C. AND ARCHITECT TO DETERMINE ACCESSIBLE AND ADEQUATELY VENTILATED LOCATIONS FOR REMOTE TRANSFORMERS AND POWER SUPPLIES.
- CONTRACTOR TO REFER TO, AND COORDINATE WITH ARCHITECTURAL PLANS REGARDING ALL PENDANT MOUNT FIXTURE MOUNTING HEIGHTS A.F.F. CONTRACTOR TO PROVIDE UNI-STRUT OR SIMILAR MOUNTING METHOD AS NEEDED. IF THE UNI-STRUT IS IN CONFLICT WITH OTHER ARCHITECTURAL STRUCTURES OR CEILING ELEMENTS IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE ARCHITECT VIA RFI PRIOR TO THE FIXTURE ORDER.

**WORK NOTES** (THIS SHEET ONLY)

○ XXX



**1 OVERALL LIGHTING FLOOR PLAN**

LTS210 SCALE: 1/8" = 1'-0"





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REVISIONS

NO.	DATE	DESCRIPTION
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SHEET DESCRIPTION:  
**OVERALL REFLECTED CEILING PLAN**  
  
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WGA PROJECT NUMBER: 23-209

PROGRESS DATE:  
22 DECEMBER 2023

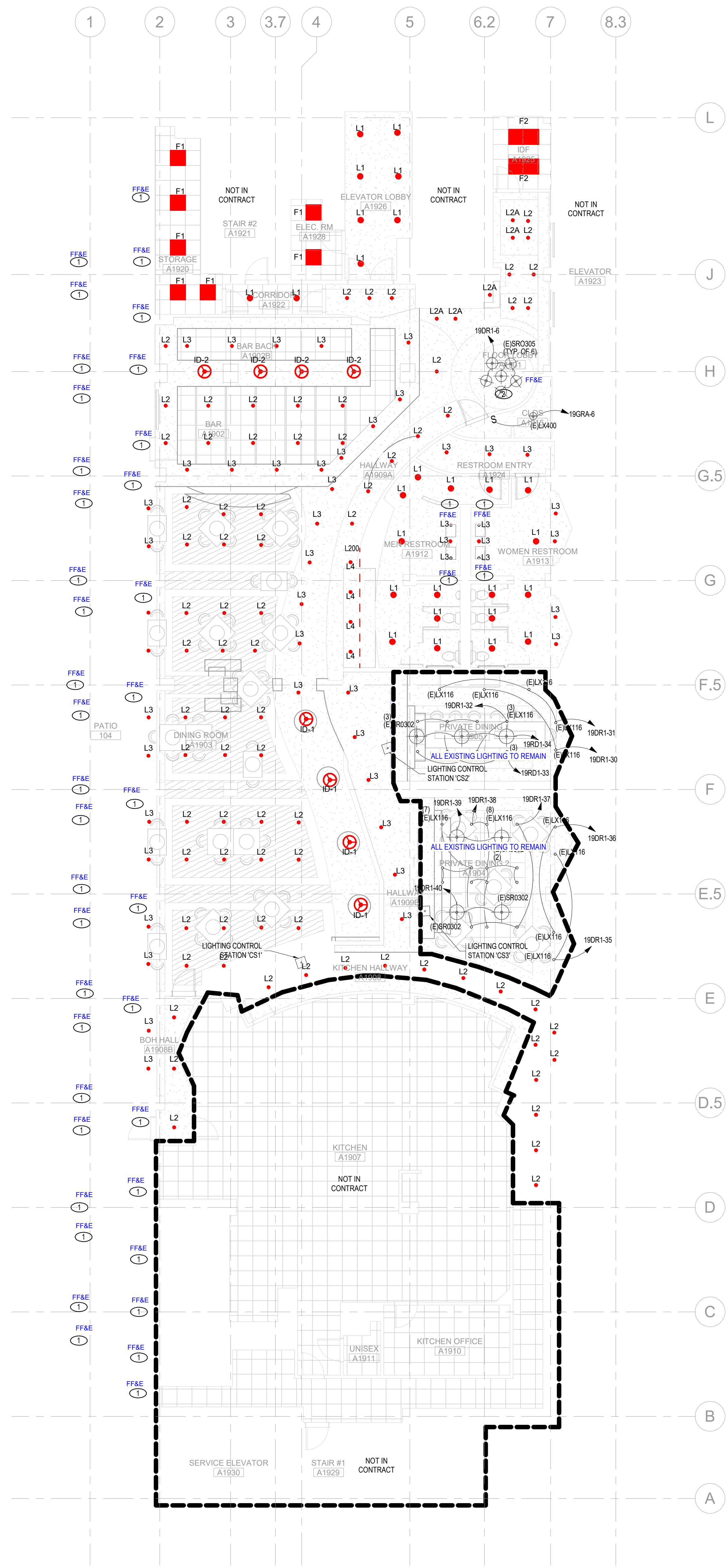
SHEET NUMBER:  
**LTS311**

**GENERAL NOTES** (THIS SHEET ONLY)

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF LIGHTING FIXTURES.
- PROVIDE REQUIRED LIGHTING TRANSFORMERS, AND DRIVERS. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE ACCESS PANELS AND OVERCURRENT PROTECTION AS REQUIRED.
- INSTALL LIGHTING EQUIPMENT, INCLUDING BUT NOT LIMITED TO LUMINAIRES, CONTROLS, AND AUXILIARY DEVICES PER MANUFACTURERS RECOMMENDATIONS AND INSTRUCTIONS.
- CONTRACTOR TO COORDINATE THE LIGHTING SYSTEM INSTALLATION WITH OTHER TRADES TO ELIMINATE INTERFERENCE WITH HANGERS, MECHANICAL DUCTS, SPRINKLERS, PIPES, ETC.
- REFLECTORS, LOUVERS, BAFFLES, TRIMS, AND OTHER DECORATIVE ELEMENTS SHALL BE INSTALLED AFTER CEILING TILE INSTALLATION, PAINTING, PLASTERING, AND BASIC CLEAN-UP.
- ALL LUMINAIRES AND ACCESSORIES SHALL BE COMPLETELY CLEANED AFTER INSTALLATION. REMOVE ALL FINGERPRINTS, DIRT, TAP, SMUDGES, DRYWALL DUST, AND NON-FACTORY APPLIED PAINT PRIOR TO FINAL ACCEPTANCE. CLEANING SHALL BE PER MANUFACTURERS INSTRUCTIONS.
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**WORK NOTES** (THIS SHEET ONLY)

- FF&E WALL SCENCE TO REPLACE EXISTING
- FF&E PENDANT TO REPLACE EXISTING



**1 OVERALL REFLECTED CEILING PLAN**  
LTS311 SCALE: 1/8" = 1'-0"



ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHG	AUTHORITY HAVING JURISDICTION
AWG	AMERICAN WIRE GAUGE
BBC	BACKBONE BONDING CONDUCTOR
C	CONDUIT
CAT	CATEGORY
CCTV	CLOSED CIRCUIT TELEVISION
CLG	CEILING
CO	CONDUIT ONLY
CU	COPPER
DEMO	DEMOLITION/DEMOLISH
(E)	EXISTING
ELEV	ELEVATOR
EM, EMER	EMERGENCY
FBO	FURNISHED BY OTHERS
GND	GROUND
IDF	INTERMEDIATE DISTRIBUTION FRAME
JB, J-BOX	JUNCTION BOX
LV	LOW VOLTAGE
MDF	MAIN DISTRIBUTION FRAME
NEC	NATIONAL ELECTRICAL CODE
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PBB	PRIMARY BONDING BUSBAR
RBB	RACK BONDING BUSBAR
RBC	RACK BONDING CONDUCTOR
SBB	SECONDARY BONDING BUSBAR
SBC	SECONDARY BONDING CONDUCTOR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBC	TELECOMMUNICATIONS BONDING CONDUCTOR
TEL	TELEPHONE
TR	TELECOMMUNICATION ROOM
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
W	WATT
WP	WEATHERPROOF

GENERAL NOTES (ALL SHEETS)	
1.	COORDINATE AND OBTAIN APPROVAL FROM STRUCTURAL ENGINEER ROUTING OF ANY CONDUIT OR RACEWAY IN SLAB PRIOR TO ROUGH-IN.
2.	TERMINATE ALL DEVICES TO NEAREST EQUIPMENT SERVING AREA, UNO. REFER TO SINGLE LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
3.	THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL.
4.	COMPLY WITH ALL NATIONAL, STATE, COUNTY, CITY AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION, INCLUDING RULES AND REQUIREMENTS OF UTILITY SERVING AGENCIES.
5.	INCORPORATE ALL CODES AND ORDINANCES INTO THE BASE BID AND INSTALLATION OF WORK. NO ADDITIONAL FUNDS WILL BE ALLOCATED FOR WORK REQUIRED TO CONFORM TO REGULATIONS AND REQUIREMENT AND/OR TO OBTAIN APPROVAL OF WORK.
6.	OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.
7.	ALL INSTALLATIONS AT A MINIMUM SHALL COMPLY WITH THE FOLLOWING: A. NATIONAL ELECTRIC CODE - 2017 B. NEC, APPLICABLE NFPA STANDARDS. C. HEALTH CODES. D. FIRE CODE AS ADOPTED BY AUTHORITY HAVING JURISDICTION. E. THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION STANDARDS. F. AMERICAN NATIONAL STANDARDS INSTITUTE. G. ALL LOCALLY ADOPTED AMENDMENTS, CODES AND ORDINANCES IN THE JURISDICTION OF THE PROJECT. H. ALL ELECTRICAL COMPONENTS AND DEVICES SHALL BE U.L. LISTED OR OTHER RECOGNIZED TESTING FACILITY. I. CABLE INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH TIA 568A. ALL CODES AND STANDARDS SHALL BE THE LATEST EDITIONS AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION FOR THIS PROJECT. OBTAIN CURRENT COPIES OF ALL LOCALLY ADOPTED CODES AND ORDINANCES PRIOR TO BID AND INCLUDE ALL COSTS TO COMPLY WITH CODES AND ORDINANCES IN BASE BID.
8.	DESIGN DRAWINGS ARE DIAGRAMMATIC AND ARE ONLY INTENDED TO DEFINE THE BASIC FUNCTIONS REQUIRED. PROVIDE ALL MATERIAL, ETC. NECESSARY TO ACCOMPLISH THESE REQUIREMENTS. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND ARE A PART OF THE WORK INCLUDED. HOWEVER, NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE PERMITTED.
9.	IF A CONFLICT OCCURS BETWEEN THE DESIGN DRAWINGS AND SPECIFICATIONS, BID THE GREATER QUALITY AND/OR QUANTITY.
10.	PROVIDE SHOP DRAWING LAYOUT OF ALL ROOMS WITH RACK AND CABINET EQUIPMENT BASED ON SUBMITTED EQUIPMENT. LAYOUT SHALL SHOW DIMENSIONED LOCATIONS OF EQUIPMENT AND SHALL BE DRAWN TO SCALE.
11.	MAINTAIN ACCURATE CONTINUOUS RECORDS OF ANY AND ALL CHANGES FROM THE CONTRACT DOCUMENTS AND SHOP DRAWINGS. UPON COMPLETION OF THE PROJECT, DELIVER TO THE OWNER, ONE (1) SET OF LEGIBLE AND REPRODUCIBLE COPIES OF THESE RECORD DRAWINGS.
12.	LOW VOLTAGE RACEWAYS INSTALLATION SHALL BE IN COMPLIANCE WITH THE LATEST TIA STANDARDS.
13.	LOW VOLTAGE SYSTEM GROUNDING SHALL BE IN COMPLIANCE WITH THE NEC AND THE LATEST TIA STANDARDS.
14.	LOW VOLTAGE SYSTEM COMPONENTS SHALL BE LABELED IN COMPLIANCE WITH THE SPECIFICATIONS AND THE LATEST TIA STANDARDS.
15.	ALL CONDUIT RACEWAYS FOR THE LOW VOLTAGE SYSTEMS DRAWINGS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. LOW VOLTAGES CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR LOW VOLTAGE SYSTEM, RACEWAY INSTALLATIONS COMPLY WITH THE LATEST TIA STANDARDS.
16.	TELEPHONE SERVICE AND CABLE TV SERVICE DEMARCATION CONDUITS AND 16. REQUIREMENTS SHALL BE COORDINATED AND VERIFIED WITH THE SERVING UTILITIES AND OWNER PRIOR TO BID. INCLUDE ALL COSTS IN BASE BID.
17.	ALL WORK SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE IN AN APPROVED MANNER AND FASTENED TO BUILDING CONSTRUCTION WITH APPROVED SUPPORTS.
18.	LOW VOLTAGE WORK MUST BE COORDINATED WITH OTHER TRADES.
19.	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LOW VOLTAGE DEVICES. IF LOCATIONS ARE NOT DEPICTED ON ARCHITECTURAL DRAWINGS, OBTAIN APPROVAL OF ARCHITECT PRIOR TO ROUGH-IN.
20.	RACEWAYS SHALL BE INSTALLED CONCEALED, UNLESS NOTED OTHERWISE.
21.	ALL EMPTY RACEWAY SYSTEM SHALL HAVE 200LB PULL STRING OR EQUAL AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL AND TERMINATION POINTS, USING PERMANENT METALLIC TAGS. TAG SHALL INDICATE INTENDED USE OF CONDUIT, ORIGINATION AND TERMINATION POINTS OF EACH INDIVIDUAL.
22.	RACEWAYS PASSING THROUGH FIRE RATED CONSTRUCTION SHALL BE SEALED WITH U.L. LISTED FIRE RATED SEALANT. WHERE ELECTRICAL RACEWAYS ARE INSTALLED THROUGH RATED FLOORS OR WALLS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE FITTINGS APPROVED BY ALL REQUIRED LOCAL AUTHORITIES FOR THE INTENDED APPLICATION.
23.	PROVIDE SEPARATE BOXES AND RACEWAYS FOR DIFFERENT SYSTEMS.
24.	RACEWAYS PENETRATING THROUGH ROOF SHALL HAVE ROOF FLASHING WITH CAULK AND SLEEVE. INSTALLATION SHALL BE WATERTIGHT.
25.	PROVIDE EXPANSION AND DEFLECTION FITTINGS FOR CONDUITS CROSSING EXPANSION JOINTS. PROVIDE BONDING JUMPERS FOR ALL EXPANSION FITTINGS.
26.	COORDINATE FLOOR BOX LOCATIONS WITH ARCHITECT, STRUCTURAL ENGINEER, FURNITURE CONSULTANT AND INTERIOR DESIGNER PRIOR TO ROUGH-IN. SEE THOSE DRAWINGS FOR ADDITIONAL INFORMATION.
27.	SEE INTERIOR DESIGN DRAWINGS AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND REQUIREMENTS OF ALL ELECTRICAL DEVICES. ALL LOCATIONS AND HEIGHTS SHALL COMPLY WITH AUTHORITY HAVING JURISDICTION AND ADA CONSULTANT REQUIREMENTS.
28.	ALL LOW VOLTAGE SYSTEM COMPONENTS SHALL BE LISTED OR LABELED BY U.L. OR OTHER RECOGNIZED TESTING FACILITY AS ALLOWED BY THE AUTHORITY HAVING JURISDICTION.
29.	CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECT SIZE AND INSTALLATION OF ALL OUTLET, PULL AND JUNCTION BOXES IN ACCORDANCE WITH NEC 370. ALL BOXES SHALL BE RECESSED WITH COVER PLATE TO SUIT THE INTENDED APPLICATION.
30.	CONTRACTOR SHALL PROVIDE (1) OF EACH UNIT TYPE FULLY ROUGHED-IN 30. FOR ARCHITECT, ENGINEER AND OWNER APPROVAL OF ALL LOCATIONS PRIOR TO THE ROUGH-IN OF REMAINING UNITS, REMAINING UNIT TO BE ROUGHED-IN PER APPROVED UNIT.
31.	COORDINATE ROUTING OF LOW VOLTAGE CONDUIT RUNS TO LIMIT LENGTHS TO LESS THAN 25' AND RADIUS OF BENDS IN COMPLIANCE WITH THE LATEST TIA/EIA STANDARDS.
32.	CONDUIT GREATER THAN 1-1/4" WILL REQUIRE J-BOX SIZED PER NEC SECTION 314-28.
33.	UNLESS SPECIFICALLY INDICATED OTHERWISE, CONDUIT SHALL NOT EXTEND FROM TR TO MORE THAN THREE OUTLET BOXES.
34.	BEND RADIUS OF CONDUIT LESS THAN 2" = 6 TIMES INTERNAL CONDUIT DIAMETER, GREATER THAN 2" = 10 TIMES INTERNAL CONDUIT DIAMETER.
35.	ANY RUN WITH MORE THAN 2 90° BENDS REQUIRES A PULL BOX PER 2 BENDS.
36.	PULL BOXES MAY NOT BE USED IN PLACE OF BEND.
37.	J-BOX REQUIRED IF RUN IS MORE THAN 100 FEET.
38.	LOW VOLTAGE GROUNDING SYSTEM SHALL CONFORM TO TIA 607 - C
39.	ALL PATHWAY, GROUND BUSES AND TERMINATION HARDWARE, RACKS AND CABINETS SHALL BE PROVIDED WITH IDENTIFICATION (LABELING) IN ACCORDANCE WITH THE TIA 606.
40.	CONTRACTOR SHALL PROVIDE LISTED FIRESTOPPING FOR ALL TELECOM/LOW VOLTAGE CONDUITS AND CABLES, REFER TO SPECIFICATIONS.
41.	ALL TELEPHONE TERMINAL BACKBOARDS SHALL BE 3/4" X 8"(H) VOID FREE FIRE RETARDANT AC PLYWOOD. LENGTH SHALL BE AS INDICATED ON PLAN.
42.	LV CONTRACTOR SHALL BE CERTIFIED BY THE SPECIFIED CABLE MANUFACTURERS (CORNING/COMSCOPE SYSTEMS) TO PROVIDE A CERTIFIED END-TO-END CABLING SOLUTION PER THE SPECIFIED PARAMETERS. THE CERTIFICATIONS FOR THE COMPANY AND INSTALLATION PERSONNEL MUST BE SUBMITTED PRIOR TO INSTALLATION OF ANY CABLING OR TERMINATION COMPONENTS PER THE SUBMITTAL INSTRUCTIONS.

LOW VOLTAGE LEGEND (NOT ALL SYMBOLS WILL BE USED)	
REFER TO OWNERS INFORMATION TECHNOLOGY, AUDIO VISUAL AND SECURITY/SURVEILLANCE DESIGN BUILD INTEGRATORS FOR ADDITIONAL REQUIREMENTS AND INFORMATION. REFER TO CABLE SCHEDULE FOR CORRESPONDING CABLE PART NUMBERS AND FILL RATIOS. REFER TO OWNERS SURVEILLANCE REPRESENTATIVE BEFORE MOVING ANY CAMERA LOCATIONS OR RELATED SECURITY/SURVEILLANCE HARDWARE DEPICTED ON DRAWINGS. REFER TO OWNERS AUDIO VISUAL REPRESENTATIVE BEFORE MOVING ANY SPEAKER OR VIDEO SCREEN LOCATIONS DEPICTED ON DRAWINGS. SYMBOLS ARE NOT TO SCALE, NOT ALL SYMBOLS REPRESENTED BELOW WILL BE UTILIZED IN DRAWING SET. SHOWN FOR REFERENCE ONLY.	
<b>SECURITY/SURVEILLANCE SYMBOLS</b>	<b>INFORMATION COMMUNICATION TECHNOLOGY SYMBOLS</b>
<ul style="list-style-type: none"> <li>FIXED CAMERA (BY OTHERS) PROVIDE (1) ES CABLE IN 1" CONDUIT TO NEAREST TR ROOM, UNO.</li> <li>PAN = PAN / TILT / ZOOM CAMERA</li> <li>PAN = PANORAMIC CAMERA</li> <li>POS = POINT OF SALE</li> <li>360 = 360° DEGREE CAMERA</li> <li>MS = MULTI SENSOR CAMERA</li> <li>DOOR CONTACT (BY OTHERS) PROVIDE 1" CONDUIT TO NEAREST TR ROOM, UNO.</li> <li>WIRELESS CARD READER (BY OTHERS) SPECIFICATIONS - TBD</li> <li>CARD READER (BY OTHERS) (1) 162 AWG PROVIDE (1) DATA CABLE IN 1" CONDUIT TO NEAREST TR ROOM, UNO.</li> <li>PANIC BUTTON (BY OTHERS)</li> </ul>	<ul style="list-style-type: none"> <li>WAP = WIRELESS ACCESS POINT - (2) E7 CAT6a (CEILING MOUNT)</li> <li>FLOOR MOUNTED TECHNOLOGY OUTLET - (2) E1 TYPE CAT6a</li> <li>FLOOR MOUNTED TECHNOLOGY OUTLET - (4) E1 TYPE CAT6a</li> <li>TECHNOLOGY OUTLET - (2) E1 TYPE CAT6a</li> <li>LG = LIQUOR GUNS - (1) E1 CAT6a</li> <li>POS = POINT OF SALE - (2) E1 CAT6a</li> </ul>
<b>CONSOLIDATION POINTS</b>	<b>ANNOTATIONS</b>
<ul style="list-style-type: none"> <li>FB = FLOOR BOX CONSOLIDATION ENCLOSURE</li> <li>FB-1A = FLOOR BOX CONSOLIDATION ENCLOSURE - PROVIDE (2) CAT6a CABLES FOR IT REFER TO AV DRAWING PACKAGE FOR ADDITIONAL CABLING REQUIREMENTS AND FACEPLATE INFORMATION.</li> <li>FB-1B = FLOOR BOX CONSOLIDATION ENCLOSURE - PROVIDE (2) CAT6a CABLES FOR IT REFER TO AV DRAWING PACKAGE FOR ADDITIONAL CABLING REQUIREMENTS AND FACEPLATE INFORMATION.</li> <li>FB-2 = FLOOR BOX CONSOLIDATION ENCLOSURE - PROVIDE (2) CAT6a CABLES FOR IT REFER TO AV DRAWING PACKAGE FOR ADDITIONAL CABLING REQUIREMENTS AND FACEPLATE INFORMATION.</li> </ul>	<ul style="list-style-type: none"> <li>KEY NOTE</li> <li>REVISION SYMBOL</li> <li>DIAGRAM CALLOUT</li> </ul>
CONTRACTOR SHALL REVIEW COMPLETE SETS OF DRAWINGS FOR ALL TRADES PRIOR TO SUBMITTING BID. INCLUDE IN BID PROVISIONS FOR ALL ITEMS REQUIRING LOW VOLTAGE CONNECTIONS WHETHER SPECIFICALLY SHOWN ON THE LOW VOLTAGE DRAWINGS OR NOT. ADDITIONAL ITEMS REQUIRING LOW VOLTAGE CONNECTION MAY INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:	
<ol style="list-style-type: none"> <li>COMPLETE ELECTRICAL DRAWING SET.</li> <li>ADDITIONAL INTERIOR DESIGN FEATURES REQUIRING LOW VOLTAGE DEVICES</li> <li>COMPLETE ELECTRICAL LANDSCAPE LIGHTING AND FEATURES DRAWINGS.</li> <li>SECURITY AND SURVEILLANCE CAMERA, CONDUIT, CABLES AND POWER TO ALL ASSOCIATED EQUIPMENT AS REQUIRED BY SURVEILLANCE DESIGN AND OWNER.</li> <li>AUDIO/VIDEO DEVICES, CONDUIT, CABLES AND POWER TO ALL ASSOCIATED EQUIPMENT AS REQUIRED BY AUDIO/VIDEO DESIGN AND OWNER.</li> <li>TELEPHONE/DATA DEVICES, CONDUIT, CABLES AND POWER TO ALL ASSOCIATED EQUIPMENT AS REQUIRED BY TELEPHONE/DATA DESIGN AND OWNER. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL REDUNDANT ITEMS BETWEEN TRADES AND INCLUDE IN BASE BID ALL COSTS REQUIRED FOR INSTALLATION OF COMPLETE AND OPERABLE SYSTEMS REQUIRING LOW VOLTAGE CONNECTIONS. IF CONFLICTS EXIST BETWEEN LOW VOLTAGE DRAWINGS/SPECIFICATIONS AND OTHER TRADES, THE CONTRACTOR SHALL BID THE HIGHER QUANTITY OR GREATER QUALITY ITEMS.</li> </ol>	

LOW VOLTAGE DRAWING INDEX		
ISSUE	SHEET NUMBER	SHEET NAME
	LV0.00	LOW VOLTAGE COVER SHEET
	LV0.01	LOW VOLTAGE SPECIFICATIONS
	LVD210	OVERALL DEMOLITION LOW VOLTAGE FLOOR PLAN
	LV0211	OVERALL DEMOLITION LOW VOLTAGE CEILING PLAN
	LV210	LOW VOLTAGE FLOOR PLAN
	LV310	LOW VOLTAGE CEILING PLAN
Total: 6		



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CLIENT/PROJECT:

**MCGILLS STEAKHOUSE RENOVATION**  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
LOW VOLTAGE COVER SHEET

50% DD

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DRAWING SCALE: **N/A" = 1'-0"** WGA PROJECT NUMBER: **23-209**

PROGRESS DATE:  
**22 DECEMBER 2023**

SHEET NUMBER:  
**LV0.00**



**LOW VOLTAGE SPECIFICATIONS** (ALL SHEETS)

<p><b>CONDITIONS</b></p> <p>A. GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, SPECIAL CONDITIONS AND OTHER RELATED PORTIONS OF DIVISION 1 APPLY TO THIS SECTION.</p> <p>B. COORDINATE WITH LOCAL UTILITIES SERVING THIS PROJECT FOR LOW VOLTAGE SYSTEMS SUCH AS TELEPHONE, INTERNET, SATELLITE, ETC. CONTRACTOR SHALL INCLUDE IN BASE BID ALL COSTS FOR TRENCHING, BACKFILL, CONDUIT AND CABLING AS REQUIRED FOR COMPLETE AND OPERABLE INSTALLATION OF ALL UTILITY SYSTEMS AND EQUIPMENT.</p> <p>C. ALL WORK FOR UTILITY COMPANY INSTALLATION SHALL COMPLY WITH UTILITY COMPANY STANDARDS AND REGULATIONS. CONTRACTOR SHALL INSTALL ALL UTILITY COMPANY CONDUITS, STRUCTURES, VALVES AND PANS, ETC. AS INDICATED ON THE UTILITY COMPANY SERVICE DRAWINGS FOR THIS PROJECT. OBTAIN A COPY OF ALL FINAL UTILITY SERVICE DRAWINGS AND PROVIDE ALL EQUIPMENT AND WIRING AS INDICATED. CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION COSTS AND INSPECTION FEES FOR UTILITY COMPANY.</p> <p>D. COORDINATE ALL MATERIAL DELIVERIES AND STORAGE DURING CONSTRUCTION. PROTECT ALL MATERIAL AND EQUIPMENT FROM WEATHER, THEFT OR DAMAGE. CONTRACTOR SHALL REPLACE ANY DAMAGED OR STOLEN MATERIALS WITHOUT COST TO THE OWNER OR GENERAL CONTRACTOR.</p> <p>E. COORDINATE WITH OWNER ALLOWABLE WORKING HOURS, LOCATION FOR PARKING, ETC. PRIOR TO BID AND INCLUDE ALL COSTS IN BASE BID.</p> <p>F. REMOVE ALL TRASH AND CONSTRUCTION DEBRIS GENERATED AS A RESULT OF THE LOW VOLTAGE PORTION OF WORK. KEEP PROJECT SITE CLEAR OF ALL DEBRIS THROUGHOUT CONSTRUCTION PERIOD.</p> <p>G. VISIT THE PROJECT SITE AND THOROUGHLY INVESTIGATE EXISTING CONDITIONS, INCLUDING EXISTING UNDERGROUND UTILITIES. PRIOR TO SUBMITTING BID, CAREFULLY EVALUATE ALL EXISTING MATERIAL, EQUIPMENT, ETC. WHICH IS TO BE REMOVED, REINSTALLED, ALTERED OR MODIFIED AND INCLUDE ALL THESE COSTS IN THE BASE BID. DETERMINE EXISTING INSTALLATION WORK WHICH IS TO REMAIN TO SERVE AREAS OUTSIDE THE LIMITS OF THIS WORK AND INCLUDE ALL COSTS IN BASE BID FOR WORK WHICH MAY BE REQUIRED TO MAINTAIN EXISTING SERVICES. NO ADDITIONAL CHARGES WILL BE ALLOWED FOR FAILURE TO INCLUDE ALL LABOR AND MATERIAL THAT IS REQUIRED FOR RELOCATION OR MODIFICATION NECESSARY TO MAINTAIN THE EXISTING LOW VOLTAGE SYSTEMS, INSTALLATIONS BEYOND THE LIMITS OF CONSTRUCTION.</p> <p>H. WHERE WORK IS INDICATED OR REQUIRED IN AN AREA NOT DEFINED AS BEING RENOVATED, INCLUDE IN THE BASE BID ALL COSTS REQUIRED TO REMOVE, RELOCATE, REINSTALL, REPAIR AND/OR REPLACE EXISTING CONSTRUCTION AS MAY BE NECESSARY TO COMPLETE THE REQUIRED WORK. ALL AFFECTED AREAS SHALL BE RESTORED TO THE ORIGINAL OR BETTER CONDITION TO THE SATISFACTION OF THE ENGINEER. ARCHITECT AND OWNER'S APPROVAL WILL BE ALLOWED FOR FAILURE TO INCLUDE ALL LABOR AND MATERIAL THAT IS REQUIRED FOR THIS WORK. WORK REQUIRED IN EXISTING FINISHED AREAS MUST BE COORDINATED WITH THE ARCHITECT AND OWNER TO ASSURE MINIMAL DISRUPTION OF NORMAL ACTIVITIES.</p> <p>I. PLAN THE SEQUENCE OF DEMOLITION AND CONSTRUCTION SO THAT THE ENTIRE PROJECT IS COMPLETED IN THE FEWEST NUMBER OF DAYS. AT LEAST TWO WEEKS PRIOR TO DEMOLITION, THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR THE WORK, AND THE WORK SHALL NOT START WITHOUT THE OWNER'S APPROVAL.</p> <p>J. CONFER WITH THE MANUFACTURERS OF EXISTING EQUIPMENT AND SYSTEMS THAT ARE TO BE REWORKED OR EXTENDED, PRIOR TO ANY MODIFICATIONS TO INSURE THE INTEGRITY OF THE ORIGINAL EQUIPMENT WILL NOT BE REDUCED AND TO CONFIRM THAT SUCH MODIFICATIONS ARE FEASIBLE.</p> <p>K. WHERE EXISTING LOW VOLTAGE WORK AND EQUIPMENT PREVENT PROPER CONSTRUCTION OF NEW WORK AS INDICATED, REMOVE, RELOCATE OR IN OTHER WAYS ALTER EXISTING WORK IN ORDER TO ACCOMMODATE NEW WORK REQUIREMENTS. PROVIDE TEMPORARY WIRING AND APPARATUS AS REQUIRED TO FACILITATE PHASING OF THE WORK.</p> <p>L. ALL WIRING FOR ALL NEW AND REPLACEMENT ITEMS WHICH ARE BEING PROVIDED AS PART OF THIS PROJECT SHALL BE NEW AND OF THE TYPES INDICATED IN THE CONTRACT DOCUMENTS. UNDER NO CIRCUMSTANCES WILL EXISTING WIRING BE PERMITTED TO BE REUSED. EXISTING WIRING FOR DEVICES RENDERED OBSOLETE OR BEING REPLACED SHALL BE DISCONNECTED AND REMOVED IN THEIR ENTIRETY. THE EXISTING RACEWAYS MAY BE REUSED IF FEASIBLE AND NOT DAMAGED. OTHERWISE, NEW RACEWAYS SHALL BE PROVIDED AS PART OF THIS PROJECT.</p> <p>M. WHERE THE PROJECT ENCOMPASSES DEMOLITION OF WALLS AND RELOCATION OR REPLACEMENT OF EXISTING LOW VOLTAGE EQUIPMENT, CABLES, ETC. WITH NEW WORK, REMOVE, REINSTALL OR RELOCATE THAT PORTION OF THE EXISTING EQUIPMENT, SYSTEM, WIRING, AND DEVICES, ETC. WHICH APPLIES TO THE LOW VOLTAGE TRADE IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS.</p> <p>N. IN AREAS WHERE NEW CEILINGS, PARTITION WALLS OR DOORS ARE ADDED, ANY EXISTING EQUIPMENT AND DEVICES ARE DESIGNATED TO REMAIN, RELOCATE AND REWORK THE EXISTING SYSTEM AND PROVIDE AND EXTEND ADDITIONAL MATERIALS AS REQUIRED TO INSURE PROPER OPERATION IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS.</p> <p>O. REPLACE CEILING TILES DAMAGED DURING THE WORK WITH NEW TILES TO MATCH THE EXISTING IN EVERY RESPECT.</p> <p>P. ALL CODE VIOLATIONS ENCOUNTERED RELATING TO EXISTING CONDITIONS WHICH IS OR MAY BE AFFECTED BY THIS PROJECT SHALL BE IDENTIFIED AS TO TYPE OF VIOLATION, LOCATION, DESCRIPTION AND CODE SECTION AS PART OF THIS PROJECT. THIS INFORMATION SHALL BE IN TYPEWRITTEN FORM AND GIVEN TO THE OWNER AND ENGINEER.</p> <p>Q. RETURN ALL EQUIPMENT AND DEVICES REMOVED AND NOT RE-USED TO THE OWNER PER THEIR INSTRUCTIONS.</p>	<p>R. ALL RACEWAYS ABANDONED SHALL HAVE ALL WIRING REMOVED BACK TO NEXT ACTIVE SOURCE.</p> <p>S. FIRE PROTECTION AND FIRE ALARM SYSTEMS SHALL NOT BE DISCONNECTED OR TAKEN OUT OF SERVICE WITHOUT FIRST OBTAINING APPROVAL FROM THE OWNER AND FIRE DEPARTMENT. COMPLY WITH THE FIRE DEPARTMENT'S REQUIREMENTS. PROVIDE ON SITE FIRE TRAINED WATCHMAN AS REQUIRED.</p> <p>T. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL.</p> <p>U. CONTRACTOR SHALL PROVIDE A QUALIFIED FOREMAN THAT IS TO REMAIN ON SITE THE ENTIRE PROJECT UNLESS APPROVED BY THE GENERAL CONTRACTOR. CONTRACTOR SHALL SUBMIT THE NAME AND PROJECT EXPERIENCE FOR APPROVAL.</p> <p><b>REGULATIONS, CODES, PERMITS AND INSPECTIONS</b></p> <p>A. COMPLY WITH ALL NATIONAL, STATE, COUNTY, CITY AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION, INCLUDING RULES AND REQUIREMENTS OF UTILITY SERVING AGENCIES.</p> <p>B. INCORPORATE ALL CODES AND ORDINANCES INTO THE BASE BID AND INSTALLATION OF WORK. NO ADDITIONAL FUNDS WILL BE ALLOCATED FOR WORK REQUIRED TO CONFORM TO REGULATIONS AND REQUIREMENT AND/OR TO OBTAIN APPROVAL OF WORK.</p> <p>C. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.</p> <p>D. ALL INSTALLATIONS AT A MINIMUM SHALL COMPLY WITH THE FOLLOWING:</p> <ol style="list-style-type: none"> <li>NATIONAL ELECTRIC CODE</li> <li>APPLICABLE NFPA STANDARDS</li> <li>HEALTH CODES</li> <li>FIRE CODE AS ADOPTED BY AUTHORITY HAVING JURISDICTION</li> <li>THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION STANDARDS</li> <li>AMERICAN NATIONAL STANDARDS INSTITUTE</li> <li>ALL LOCALLY ADOPTED AMENDMENTS, CODES AND ORDINANCES IN THE JURISDICTION OF THE PROJECT</li> <li>ALL LOW VOLTAGE COMPONENTS AND DEVICES SHALL BE U.L. LISTED OR OTHER RECOGNIZED TESTING FACILITY</li> <li>ANSI/TIA STANDARDS</li> </ol> <p>E. ALL CODES AND STANDARDS SHALL BE THE LATEST EDITIONS AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION FOR THIS PROJECT. OBTAIN CURRENT COPIES OF ALL LOCALLY ADOPTED CODES AND ORDINANCES PRIOR TO BID AND INCLUDE ALL COSTS TO COMPLY WITH CODES AND STANDARDS IN THE BASE BID.</p> <p><b>DESIGN DRAWINGS</b></p> <p>A. DESIGN DRAWINGS ARE DIAGRAMMATIC AND ARE ONLY INTENDED TO DEFINE THE BASIC FUNCTIONS REQUIRED. PROVIDE ALL MATERIAL, ETC. NECESSARY TO ACCOMPLISH THESE REQUIREMENTS. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND ARE A PART OF THE WORK INCLUDED. HOWEVER, NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE PERMITTED. DO NOT SCALE THE DRAWINGS.</p> <p>B. IF A CONFLICT OCCURS BETWEEN THE DESIGN DRAWINGS AND SPECIFICATIONS, BID THE GREATER QUALITY AND/OR QUANTITY.</p> <p><b>SUBMITTALS</b></p> <p>A. SHOP DRAWINGS</p> <ol style="list-style-type: none"> <li>PRIOR TO ORDERING OR INSTALLATION OF ANY MATERIAL AND/OR EQUIPMENT TO THE JOB-SITE, SUBMIT SIX (6) HARD BOUND AND INDEXED COPIES AND ONE (1) PDF COPY OF BROCHURE COMPLETELY DESCRIBING ALL SYSTEMS, COMPONENTS, MATERIAL AND EQUIPMENT PROPOSED TO BE USED. ANY PIECE OF EQUIPMENT PLACED ON THE JOB WITHOUT PRIOR APPROVAL WILL BE SUBJECT TO REMOVAL.</li> <li>PROVIDE SHOP DRAWING LAYOUT OF ALL ROOMS WITH RACK AND CABINET EQUIPMENT BASED ON APPROVED SUBMITTED EQUIPMENT. LAYOUT SHALL SHOW DIMENSIONED LOCATIONS OF EQUIPMENT AND SHALL BE DRAWN TO SCALE.</li> </ol> <p>B. RECORD DRAWINGS</p> <ol style="list-style-type: none"> <li>MAINTAIN ACCURATE CONTINUOUS RECORDS OF ANY AND ALL CHANGES FROM THE CONTRACT DOCUMENTS AND SHOP DRAWINGS UPON COMPLETION OF THE PROJECT. DELIVER TO THE OWNER AND ENGINEER: ONE (1) SET OF LEGIBLE "RED LINE" BOND RECORD DRAWINGS; ONE (1) PDF SET AND (1) DWG SET OF FILES OF RECORD DRAWINGS.</li> </ol> <p>C. GUARANTEE</p> <ol style="list-style-type: none"> <li>ALL LABOR, MATERIAL, SYSTEMS AND EQUIPMENT SHALL BE GUARANTEED FOR ONE (1) YEAR FROM PROJECT COMPLETION. GUARANTEE THE ENTIRE COST, INCLUDING MATERIALS AND/OR LABOR, OF ALL WORK REQUIRED AND NECESSITATED BY DEFECT OF MATERIALS AND/OR WORKMANSHIP. AS A CONDITION OF SUPPLYING MATERIAL FOR THIS PROJECT THE MANUFACTURERS AND SUPPLIERS AGREE TO DEFEND, HOLD HARMLESS AND TO INDEMNIFY OWNER, ENGINEER, ARCHITECT AND ALL RELATED SUBSIDIARIES AGAINST ANY LIABILITY ARISING OUT OF PROJECT FAILURE OR MANUFACTURING DEFECT OF THE EQUIPMENT PROVIDED.</li> </ol> <p>D. MANUAL AND OPERATING INSTRUCTIONS</p> <ol style="list-style-type: none"> <li>UPON COMPLETION OF THE PROJECT, DELIVER TO THE OWNER, A HARD BOUND "OWNER'S MANUAL" INCLUDE IN THE MANUAL INSTRUCTIONS PREPARED SPECIFICALLY FOR THE SYSTEMS PROVIDED, ALONG WITH ALL PAPERS, DESCRIPTIONS, PARTS LISTS,</li> </ol>	<p>INSTRUCTIONS, WARRANTIES, ETC. WHICH WERE DELIVERED WITH THE MATERIALS AND EQUIPMENT UTILIZED IN THE PROJECT. IDENTIFY EACH ITEM BY DESIGNATION APPEARING ON THE DRAWINGS.</p> <p>2. AT THE TIME DESIGNATED, PROVIDE A SUITABLE OPERATOR, ELECTRICIAN OR ENGINEER, TO REVIEW THE SYSTEM WITH OWNERS REPRESENTATIVE TO THOROUGHLY FAMILIARIZE HIM WITH THE OPERATIONS AND MAINTENANCE OF THE SYSTEM.</p> <p><b>GENERAL PRODUCTS</b></p> <p>A. RACEWAYS</p> <ol style="list-style-type: none"> <li>MINIMUM RACEWAY SIZE IS 3/4" UNLESS NOTED OTHERWISE. REFER TO CABLE SCHEDULE FOR CORRECT CABLE/FILL RATIO CONDUIT SIZING CHART.</li> <li>CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METALLIC CONDUIT (IMC) OR RIGID GALVANIZED STEEL CONDUIT (RGS).</li> <li>CONDUIT INSTALLED CONCEALED MAY BE EMT OR IMC, UNLESS NOTED OTHERWISE.</li> <li>CONDUIT SUBJECT TO PHYSICAL DAMAGE SHALL BE RGS, UNLESS NOTED OTHERWISE.</li> <li>UNDERGROUND OR IN-SLAB CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.</li> <li>ELECTRICAL NONMETALLIC TUBING (TYPE ENT) MAY BE USED PER NEC ARTICLE 802.</li> </ol> <p>B. CONDUIT FITTINGS</p> <ol style="list-style-type: none"> <li>IMC AND RGS: NON-SPLIT THREADED STEEL, ZINC DIE CAST IS NOT ACCEPTABLE.</li> <li>EMT: COMPRESSION OR DOUBLE SET SCREW TYPE.</li> <li>BUSHING SHALL BE METAL INSULATED TYPE.</li> <li>FACTORY BENDS SHALL BE USED FOR ANY CONDUIT SIZE 1" OR LARGER. UNDERGROUND BENDS SHALL BE PVC COATED RGS.</li> </ol> <p>C. OUTLET/JUNCTION/PULL BOXES</p> <ol style="list-style-type: none"> <li>OUTLET BOXES SHALL BE PROVIDED AS SHOWN OR REQUIRED BY CODE.</li> <li>OUTLET BOXES SHALL BE CODE GAUGE GALVANIZED STEEL, 4" SQUARE AND WITH ADJUSTABLE PLASTER RINGS.</li> <li>PROVIDE ADJUSTABLE PLASTER RING 3/4"-1 1/2" FOR ALL WALL OUTLET BOXES.</li> <li>PROVIDE BLANK COVERS FOR OUTLET BOXES WITHOUT DEVICES.</li> <li>PROVIDE 6" SEPARATION BETWEEN BACK-TO-BACK OUTLET BOXES.</li> <li>BOXES FOR OUTDOOR USE AND DAMP LOCATIONS SHALL BE WEATHERPROOF GASKETED CAST METAL TYPE.</li> <li>BOXES IN HAZARDOUS LOCATIONS SHALL BE CAST FREE ALUMINUM OR AS REQUIRED TO SUIT INTENDED APPLICATION.</li> <li>ALL BOXES SHALL BE SIZED FOR NUMBER AND SIZE OF CABLINE AND CONDUIT ENTRIES TO SUIT INTENDED APPLICATION.</li> <li>COVERS SHALL BE FULLY ENCLOSED AND SECURED AT ALL CORNERS.</li> <li>GRADE MOUNTED PULL BOXES SHALL BE MADE OF CONCRETE CONSTRUCTION WITH BOLT DOWN CONCRETE COVERS. PROVIDE A MINIMUM 4" CONCRETE COLLAR AROUND PULLBOX.</li> <li>FLOOR BOXES SHALL BE GALVANIZED CAST IRON TYPE WITH BRASS COVERS AND FLANGES SUITABLE FOR CONDUIT AND DEVICES INDICATED. FLOOR BOXES SHALL BE MANUFACTURED BY LEGRAND.</li> <li>ALL UNDERGROUND CONDUITS SHALL BE SEALED WITH RAYCHEM ROSS DUCT SEALING SYSTEM.</li> <li>ALL BOXES AND RINGS SHALL BE STEEL AND MATCH CONDUIT COLOR INSTALLED.</li> </ol> <p>D. DEVICES</p> <ol style="list-style-type: none"> <li>WIRING DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE</li> <li>DEVICES AND COVER PLATES SHALL BE WHITE IN COLOR, UNLESS NOTED OTHERWISE OR INSTRUCTED BY THE ARCHITECT OR INTERIOR DESIGNER.</li> <li>MOUNTING HEIGHTS SHALL BE AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY ADA OR AUTHORITY HAVING JURISDICTION.</li> <li>ALL DEVICES AND COVER PLATES ON DATA/COMPUTER EQUIPMENT SHALL BE AS SPECIFIED BY ARCHITECT/ID DRAWINGS IN COLOR.</li> <li>PROVIDE OWNER'S (5) PERCENT SPARE WIRING DEVICES, PLATES AND COVERS OF EACH TYPE INSTALLED ON PROJECT.</li> </ol> <p>E. LOW VOLTAGE SYSTEMS (IT, SECURITY, SURVEILLANCE)</p> <ol style="list-style-type: none"> <li>PROVIDE A COMPLETE CONDUIT SYSTEM FOR LOW VOLTAGE SYSTEMS SHOWN.</li> <li>OUTLETS INDICATED SHALL TERMINATE AT THE TERMINAL BOARD OR CABINET INDICATED ON THE DRAWINGS, UNLESS NOTED OTHERWISE.</li> <li>ALL TELEPHONE TERMINAL BACKBOARDS SHALL BE 3/4" X 8 1/2" VOID FREE, FIRE, RETARDANT AC PLYWOOD. LENGTH SHALL BE AS INDICATED ON PLAN.</li> <li>TERMINAL CABINETS SHALL BE SIZED AS INDICATED ON THE DRAWINGS OR SUITABLE FOR INSTALLATION IF NOT INDICATED WITH NEMA ENCLOSURE RATED FOR APPLICATION.</li> <li>TELEPHONE SERVICE AND CABLE TV SERVICE DEMARK CONDUITS AND REQUIREMENTS SHALL BE COORDINATED AND VERIFIED WITH THE SERVING UTILITIES AND OWNER PRIOR TO BID.</li> </ol> <p><b>GENERAL EXECUTION</b></p> <p>A. THOROUGHLY CLEAN ALL ITEMS BEFORE AND AFTER INSTALLATION.</p> <p>B. ALL WORK SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE IN AN APPROVED MANNER.</p> <p>C. ALL EQUIPMENT SHALL BE FASTENED TO BUILDING CONSTRUCTION WITH APPROVED SUPPORTS.</p> <p>D. COORDINATE LOW VOLTAGE WORK WITH OTHER TRADES PRIOR TO SUBMITTING BID.</p> <p>E. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF DEVICES AND OUTLETS. IF LOCATIONS ARE NOT DEPICTED ON ARCHITECTURAL DRAWINGS, OBTAIN APPROVAL OF ARCHITECT PRIOR TO ROUGH-IN.</p>	<p>F. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND COMPLETE REPAIR OF EXISTING BUILDING WALLS, CEILINGS, ETC. AS REQUIRED FOR INSTALLATION OF LOW VOLTAGE SYSTEMS.</p> <p>G. LOW VOLTAGE RACEWAYS AND CABLING INSTALLATION SHALL BE IN COMPLIANCE WITH THE LATEST TIA STANDARDS.</p> <p>H. LOW VOLTAGE SYSTEM GROUNDING SHALL BE IN COMPLIANCE WITH THE NEC AND THE LATEST TIA STANDARDS.</p> <p>I. LOW VOLTAGE SYSTEM COMPONENTS SHALL BE LABELED IN COMPLIANCE WITH THE SPECIFICATIONS AND THE LATEST TIA STANDARDS.</p> <p>J. ALL CONDUIT RACEWAYS FOR THE LOW VOLTAGE SYSTEMS DRAWINGS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. LOW VOLTAGES CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR. LOW VOLTAGE SYSTEM RACEWAY INSTALLATIONS SHALL COMPLY WITH THE LATEST TIA STANDARDS.</p> <p>K. TELEPHONE SERVICE AND CABLE TV SERVICE DEMARCATION CONDUITS AND REQUIREMENTS SHALL BE COORDINATED AND VERIFIED WITH THE SERVING UTILITIES AND OWNER PRIOR TO BID. INCLUDE ALL COSTS IN BASE BID.</p> <p>L. ALL EMPTY RACEWAY SYSTEM SHALL HAVE 200LB PULL STRING OR EQUAL AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL AND TERMINATION POINTS, USING PERMANENT METALLIC TAGS. TAG SHALL INDICATE INTENDED USE OF CONDUIT, ORIGIN AND TERMINATION POINTS OF EACH INDIVIDUAL.</p> <p>M. COORDINATE FLOOR BOX LOCATIONS WITH ARCHITECT, STRUCTURAL ENGINEER, FURNITURE CONSULTANT AND INTERIOR DESIGNER PRIOR TO ROUGH-IN. SEE THOSE DRAWINGS FOR ADDITIONAL INFORMATION.</p> <p>N. SEE INTERIOR DESIGN DRAWINGS AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND REQUIREMENTS OF ALL LOW VOLTAGE DEVICES. ALL LOCATIONS AND HEIGHTS SHALL COMPLY WITH AUTHORITY HAVING JURISDICTION AND ADA CONSULTANT REQUIREMENTS.</p> <p>O. ALL LOW VOLTAGE SYSTEM COMPONENTS SHALL BE LISTED OR LABELED BY U.L. OR OTHER RECOGNIZED TESTING FACILITY AS ALLOWED BY THE AUTHORITY HAVING JURISDICTION.</p> <p>P. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECT SIZE AND INSTALLATION OF ALL OUTLET, PULL AND JUNCTION BOXES IN ACCORDANCE WITH NEC 370. ALL BOXES SHALL BE RECESSED WITH COVER PLATE TO SUIT THE INTENDED APPLICATION.</p> <p>Q. CONTRACTOR SHALL PROVIDE (1) OF EACH UNIT TYPE FULLY ROUGHED-IN FOR ARCHITECT, ENGINEER AND OWNER APPROVAL OF ALL LOCATIONS PRIOR TO THE ROUGH-IN OF REMAINING UNITS. REMAINING UNIT TO BE ROUGHED-IN PER APPROVED UNIT.</p> <p>R. ALL FIBER OPTIC CABLE SHALL BE INSTALLED IN INTERDUCT AS APPROVED BY OWNER.</p> <p>S. COORDINATE ROUTING OF LOW VOLTAGE CONDUIT RUNS TO LIMIT LENGTHS TO LESS THAN 250' AND RADIUS OF BENDS IN COMPLIANCE WITH THE LATEST TIA STANDARDS.</p> <p>T. CONDUIT GREATER THAN 1-1/2" WILL REQUIRE J-BOX SIZED PER NEC SECTION 370.28.</p> <p>U. UNLESS SPECIFICALLY INDICATED OTHERWISE, CONDUIT SHALL NOT EXTEND FROM TR TO MORE THAN THREE OUTLET BOXES.</p> <p>V. BEND RADIUS OF CONDUIT LESS THAN 2" = 6 TIMES INTERNAL CONDUIT DIAMETER, GREATER THAN 2" = 10 TIMES INTERNAL CONDUIT DIAMETER.</p> <p>W. ANY RUN WITH MORE THAN 2 90° BENDS REQUIRES A PULL BOX PER 2 BENDS.</p> <p>X. PULL BOXES MAY NOT BE USED IN PLACE OF BEND.</p> <p>Y. J-BOX REQUIRED IF RUN IS MORE THAN 100 FEET.</p> <p>Z. CABLE INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH THE LATEST VERSION OF TIA 568 C.1.</p> <p>AA. LOW VOLTAGE GROUNDING SYSTEM SHALL CONFORM TO J-STD-607-C.</p> <p>AB. ALL CABLING, PATHWAY, GROUND BUSES AND TERMINATION HARDWARE, RACKS AND CABINETS SHALL BE PROVIDED WITH IDENTIFICATION (LABELING) IN ACCORDANCE WITH THE TIA/EIA 606.</p> <p>AC. CONTRACTOR SHALL PROVIDE LISTED FIRESTOPPING FOR ALL TELECOMMUNICATION CONDUITS AND CABLES.</p> <p>AD. ALL CABLING SHALL BE COMPLETELY OPERABLE, TESTED (END TO END) IN ACCORDANCE WITH THE APPLICABLE TIA STANDARDS FOR THE SPECIFIC MEDIA INVOLVED.</p> <p>AE. WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE ARCHITECT.</p> <p>AF. CONTRACTOR TO UTILIZE PLENUM RATED CABLING IN ALL PLENUM SPACES IF CONDUIT IS NOT USED.</p> <p><b>INSTALLATION</b></p> <p>A. RACEWAYS</p> <ol style="list-style-type: none"> <li>RACEWAYS SHALL BE INSTALLED CONCEALED, UNLESS NOTED OTHERWISE.</li> <li>ALL RACEWAYS REQUIRED TO BE EXPOSED SHALL BE PAINTED TO MATCH THE ADJACENT BUILDING SURFACE.</li> <li>SUPPORT RACEWAYS WITH TOGGLE BOLTS ON HOLLOW MASONRY, MACHINE SCREWS ON METAL SURFACES, SEMI CLAMPS ON FRAMEWORK, WOOD SCREWS ON WOOD.</li> </ol>	<p>4 RACEWAYS SHOULD BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING SURFACES AND AT RIGHT ANGLES.</p> <p>5 PROVIDE 200LB PULL STRING IN ALL EMPTY RACEWAYS.</p> <p>6 RACEWAYS PASSING THROUGH FIRE RATED CONSTRUCTION SHALL BE SEALED WITH U.L. LISTED FIRE RATED SEALANT. WHERE RACEWAYS ARE INSTALLED THROUGH RATED FLOORS OR WALLS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE FITTINGS APPROVED BY ALL REQUIRED LOCAL AUTHORITIES FOR THE INTENDED APPLICATION.</p> <p>7 OBTAIN FINAL APPROVAL FROM THE ARCHITECT PRIOR TO THE INSTALLATION OF RACEWAYS THROUGH RATED WALLS OR FLOORS.</p> <p>8 INSTALL ALL RACEWAY SYSTEMS PER THE NEC. DEVIATIONS FROM THE WIRING METHODS INDICATED SHALL NOT BE ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL PRIOR TO PLACING BID AND INSTALLATION.</p> <p>9 INCLUDE ALL COSTS FOR RACEWAY SYSTEMS AS SPECIFIED UNLESS WRITTEN APPROVAL FOR AN ALTERNATE WIRING METHOD IS OBTAINED FROM THE ARCHITECT, ENGINEER AND OWNER PRIOR TO SUBMITTING BID.</p> <p>10. ALL RACEWAYS AND CONDUCTOR SIZES SHOWN ARE TO BE INSTALLED WITHIN THE BUILDING STRUCTURE NOT EXPOSED TO AMBIENT CONDITIONS.</p> <p>11. RACEWAYS PENETRATING THROUGH ROOF SHALL HAVE ROOF FLASHING WITH CAULK AND SLEEVE. INSTALLATION SHALL BE WATERTIGHT.</p> <p>12. ALL UNDERGROUND OR BELOW GRADE RACEWAYS SHALL BE INSTALLED IN COMPLIANCE WITH NECA TABLE 300.5.</p> <p>13. ELECTRICAL NONMETALLIC TUBING (TYPE ENT) MAY BE USED PER NEC ARTICLE 802.</p> <p>14. PROVIDE ELECTRICAL METALLIC TUBING (TYPE EMT) AND FITTINGS PER COLORS.</p> <p>14.1 NETWORK FIBER AND DATA SYSTEMS: BLUE</p> <p>14.2 SECURITY AND CARD ACCESS SYSTEMS: WHITE</p> <p>14.3 SURVEILLANCE SYSTEMS: YELLOW</p> <p>B. FITTINGS AND ACCESSORIES</p> <ol style="list-style-type: none"> <li>PROVIDE EXPANSION AND DEFLECTION FITTINGS FOR CONDUITS CROSSING EXPANSION JOINTS. PROVIDE BONDING JUMPERS FOR ALL EXPANSION FITTINGS.</li> <li>FITTINGS SHALL BE SUITABLE FOR CONDITIONS OF INSTALLATION. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.</li> </ol> <p>C. OUTLET, JUNCTION AND PULL BOXES</p> <ol style="list-style-type: none"> <li>OUTLET BOXES SHALL BE METALLIC WITH ADJUSTABLE PLASTER RING 3/4"-1 1/2".</li> <li>PROVIDE INSULATED SUPPORTS FOR CABLES.</li> <li>PROVIDE SEPARATE BOXES FOR DIFFERENT VOLTAGE SYSTEMS.</li> <li>COORDINATE FLOOR BOX LOCATIONS WITH ARCHITECT, STRUCTURAL ENGINEER, FURNITURE CONSULTANT AND INTERIOR DESIGNER PRIOR TO ROUGH-IN. SEE THOSE DRAWINGS FOR ADDITIONAL INFORMATION.</li> </ol> <p>D. DEVICES</p> <ol style="list-style-type: none"> <li>INSTALL CONTROL DEVICES @48" AFF TO CENTER OF SWITCH, UNLESS NOTED OTHERWISE.</li> <li>INSTALL OUTLETS @18" AFF TO CENTER OF DEVICE, UNLESS NOTED OTHERWISE.</li> <li>OUTLETS LOCATED FOR COUNTERTOP USE SHALL BE 6" TO THE CENTER OF DEVICE ABOVE THE COUNTERTOP, UNLESS NOTED OTHERWISE.</li> </ol> <p>E. CONDUIT IDENTIFICATION</p> <ol style="list-style-type: none"> <li>USE ADHESIVE MARKING TAPE LABELS TO IDENTIFY ALL CONDUITS. CONDUITS LOCATED ABOVE NON-ACCESSIBLE CEILING OR IN FLOORS AND WALLS SHALL BE LABELED WITHIN 3 FEET OF BECOMING ACCESSIBLE. LABELS FOR MULTIPLE CONDUITS SHALL BE ALIGNED AND READ THE SAME DIRECTION. USE THE FOLLOWING COLORS: <ol style="list-style-type: none"> <li>NETWORK FIBER AND DATA: BLACK LETTERS ON WHITE BACKGROUND INDICATING "NETWORK FIBER/DATA"</li> <li>SECURITY AND CARD ACCESS: BLACK LETTERS ON YELLOW BACKGROUND INDICATING "SECURITY"</li> <li>SURVEILLANCE DEVICES: BLACK LETTERS ON YELLOW BACKGROUND INDICATING "SURVEILLANCE"</li> </ol> </li> <li>CONDUITS SHALL BE LABELED WHERE CONDUITS ENTER OR EXIT A ROOM, AND PULL OR JUNCTION BOXES.</li> <li>IDENTIFY JUNCTION, PULL AND CONNECTION BOXES: IDENTIFICATION OF SYSTEMS AND CIRCUITS SHALL INDICATE SYSTEM TYPE ON OUTSIDE OF BOX COVER. COLOR CODES SHALL BE SAME AS CONDUITS FOR PRESSURE SENSITIVE LABELS. USE SELF ADHESIVE BRADY MARKING LABELS AT EXPOSED LOCATIONS.</li> </ol>
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CLIENT/PROJECT:

MCGILLS STEAKHOUSE RENOVATION  
CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**LOW VOLTAGE SPECIFICATIONS**

50% DD

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DRAWING SCALE:	WGA PROJECT NUMBER:
N/A" = 1'-0"	23-209
PROGRESS DATE:	
22 DECEMBER 2023	
SHEET NUMBER:	
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Table with 3 columns: NO., DATE, DESCRIPTION

SHEET DESCRIPTION: OVERALL DEMOLITION LOW VOLTAGE FLOOR PLAN

50% DD

DRAWING SCALE: N/A" = 1'-0" WGA PROJECT NUMBER: 23-209

PROGRESS DATE: 22 DECEMBER 2023

SHEET NUMBER: LVD210

DEMOLITION NOTES (THIS SHEET ONLY)

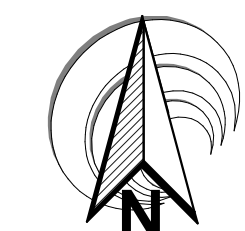
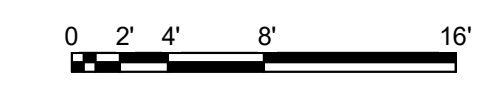
- 1. SCOPE OF WORK FOR THIS PERMIT IS TO DEMO EXISTING LIGHTING, POWER AND AUXILIARY DEVICES AND ITEMS WITHIN AREA INDICATED FOR FUTURE REMODEL.
2. CONTRACTOR SHALL DEMO EXISTING LOW VOLTAGE CONDUIT, CABLING, OUTLETS AND DEVICES REQUIRED. REMOVE CONDUIT AND CABLING BACK TO POINT OF SERVICE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES EXACT AREAS AND REQUIREMENTS FOR DEMOLITION. CONTRACTOR SHALL FIELD VERIFY REQUIRED DEMO PRIOR TO BID. INCLUDE ALL COSTS FOR DEMOLITION IN BASE BID.
3. IN AREAS WHERE EXISTING LOW VOLTAGE CONDUITS, AND CABLING ARE TO REMAIN UNCHANGED, EXTEND CONDUIT AND PROVIDE NEW CONDUCTORS/CABLING AS REQUIRED FOR CONTINUITY OF POWER CIRCUITS AND AUXILIARY DEVICES. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITING AND DEVICES TO REMAIN AND CONNECT TO EXISTING CIRCUITS OR CONNECT TO NEW CIRCUITS AS REQUIRED. ALL CIRCUITING SHALL BE IN COMPLIANCE WITH ALL NEC REQUIREMENTS. RECORD ACTUAL CONDITIONS AND INSTALLATION ON RECORD DRAWINGS. CONTRACTOR SHALL FULLY INVESTIGATE EXISTING CONDITIONS PRIOR TO BID AND CONSTRUCTION. INCLUDE ALL COSTS FOR INSTALLATION TO COMPLY WITH EXISTING CONDITIONS IN BASE BID.
4. COORDINATE WORKING HOURS AND ALLOWABLE OUTAGE TIMES WITH OWNER'S REPRESENTATIVE PRIOR TO BID. INCLUDE ANY COSTS FOR OFF-HOUR TIMES OR REQUIRED OVERTIME IN BASE BID. COORDINATE AND SCHEDULE OUTAGE TIMES WITH OWNER AT LEAST (14) DAYS PRIOR TO OUTAGE, NO EXCEPTIONS.
5. CONTRACTOR TO REMOVE ALL LOW VOLTAGE DEVICES AND RETURN TO OWNERSHIP.

WORK NOTES (THIS SHEET ONLY)

- REMOVE EXISTING DEVICES AND SURVEILLANCE DEVICES. TAKE CABLING BACK TO SOURCE. CONDUIT PATHWAY REMAIN IN PLACE U.N.O.



1 OVERALL DEMOLITION LOW VOLTAGE FLOOR PLAN LVD210 SCALE: 1/8" = 1'-0"







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REVISIONS

NO.	DATE	DESCRIPTION

SHEET DESCRIPTION  
**OVERALL DEMOLITION  
LOW VOLTAGE CEILING  
PLAN**

50% DD

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DRAWING SCALE: WGA PROJECT NUMBER:  
**N/A" = 1'-0"** 23-209

PROGRESS DATE:  
22 DECEMBER 2023

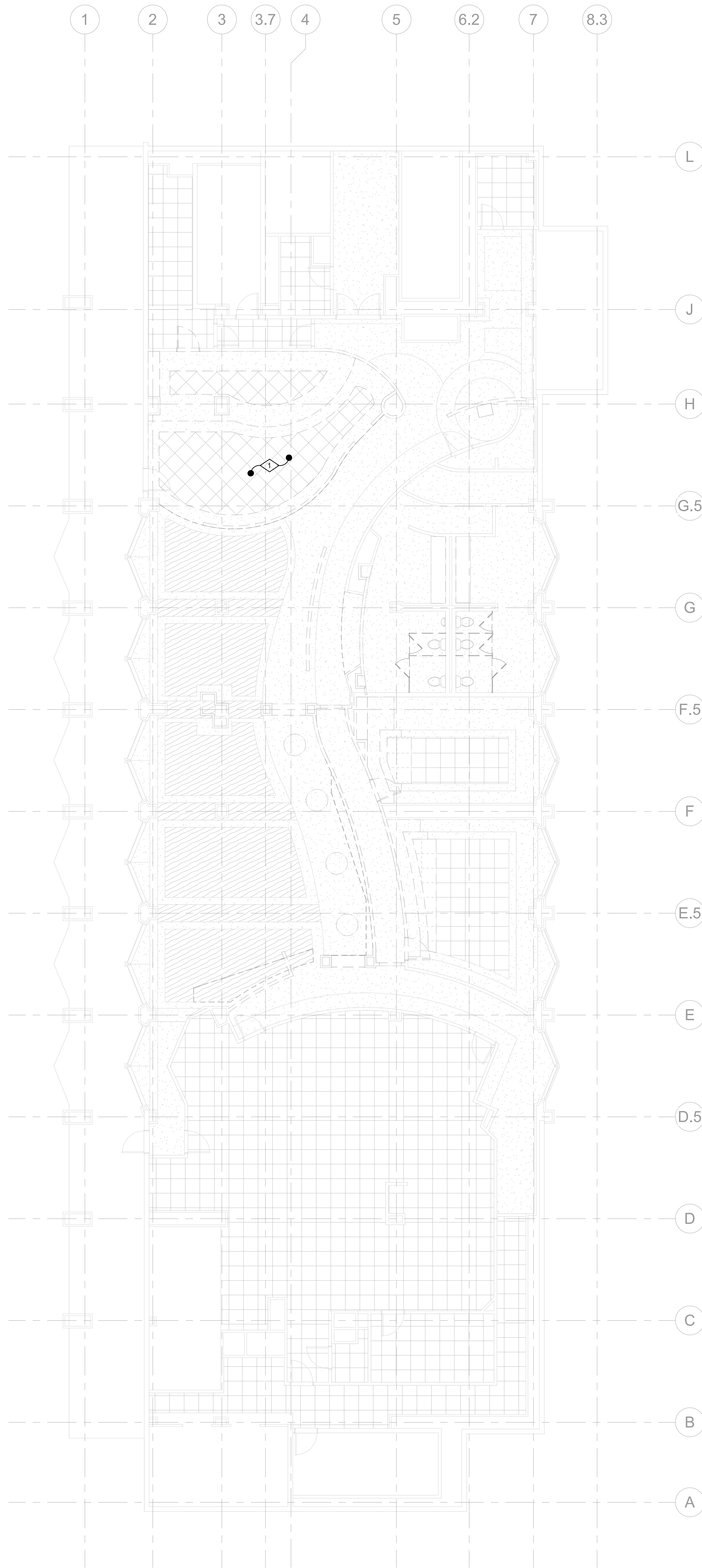
SHEET NUMBER:  
**LVD211**

**DEMOLITION NOTES** (THIS SHEET ONLY)

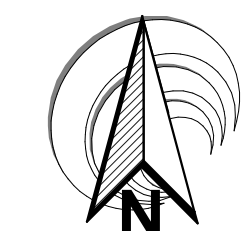
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- CONTRACTOR SHALL DEMO EXISTING LOW VOLTAGE CONDUIT, CABLING, OUTLETS AND DEVICES REQUIRED. REMOVE CONDUIT AND CABLING BACK TO POINT OF SERVICE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES EXACT AREAS AND REQUIREMENTS FOR DEMOLITION. CONTRACTOR SHALL FIELD VERIFY REQUIRED DEMO PRIOR TO BID. INCLUDE ALL COSTS FOR DEMOLITION IN BASE BID.
- IN AREAS WHERE EXISTING LOW VOLTAGE CONDUITS, AND CABLING ARE TO REMAIN UNCHANGED, EXTEND CONDUIT AND PROVIDE NEW CONDUCTORS/CABLING AS REQUIRED FOR CONTINUITY OF POWER CIRCUITS AND AUXILIARY DEVICES. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITING AND DEVICES TO REMAIN AND CONNECT TO EXISTING CIRCUITS OR CONNECT TO NEW CIRCUITS AS REQUIRED. ALL CIRCUITING SHALL BE IN COMPLIANCE WITH ALL NEC REQUIREMENTS. RECORD ACTUAL CONDITIONS AND INSTALLATION ON RECORD DRAWINGS. CONTRACTOR SHALL FULLY INVESTIGATE EXISTING CONDITIONS PRIOR TO BID AND CONSTRUCTION. INCLUDE ALL COSTS FOR INSTALLATION TO COMPLY WITH EXISTING CONDITIONS IN BASE BID.
- COORDINATE WORKING HOURS AND ALLOWABLE OUTAGE TIMES WITH OWNER'S REPRESENTATIVE PRIOR TO BID. INCLUDE ANY COSTS FOR OFF-HOUR TIMES OR REQUIRED OVERTIME IN BASE BID. COORDINATE AND SCHEDULE OUTAGE TIMES WITH OWNER AT LEAST (14) DAYS PRIOR TO OUTAGE, NO EXCEPTIONS.
- CONTRACTOR TO REMOVE ALL LOW VOLTAGE DEVICES AND RETURN TO OWNERSHIP.

**WORK NOTES** (THIS SHEET ONLY)

- ◇ REMOVE EXISTING DEVICES DEVICES. TAKE CABLING BACK TO SOURCE. CONDUIT PATHWAY REMAIN IN PLACE U.N.O.



**1 OVERALL DEMOLITION LOW VOLTAGE CEILING PLAN**  
LVD211 SCALE: 1/8" = 1'-0"







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SHEET DESCRIPTION  
**LOW VOLTAGE FLOOR PLAN**

50% DD

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DRAWING SCALE: **N/A** = 1'-0"  
WGA PROJECT NUMBER: **23-209**

PROGRESS DATE:  
**22 DECEMBER 2023**

SHEET NUMBER:  
**LV210**

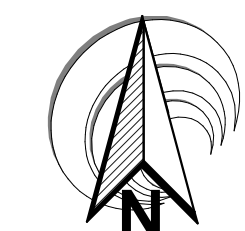
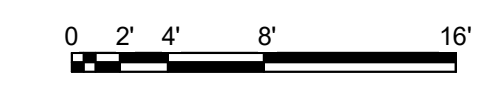
**GENERAL NOTES** (THIS SHEET ONLY)

- REFER TO ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS FOR EXACT LOCATIONS, DIMENSIONS AND MOUNTING HEIGHTS OF LOW VOLTAGE DEVICES.
- REFER TO ELECTRICAL POWER, LIGHTING, AND AUDIO VISUAL DRAWINGS FOR ADDITIONAL INFORMATION AND TO COORDINATE DEVICE LOCATIONS.
- COORDINATE AND OBTAIN APPROVAL FROM STRUCTURAL ENGINEER FOR ROUTING OF ANY CONDUIT OR RACEWAY IN SLAB PRIOR TO ROUGH-IN.
- COORDINATE ROUTING OF ALL PATHWAYS, CONDUIT, LADDER TRAY, CABLE TRAY AND ALL OTHER RACEWAYS WITH OTHER TRADES PRIOR TO ROUGH-IN.
- REFER TO MASTER LEGEND AND CABLE SCHEDULE FOR GENERAL DATA DEVICE CABLE TYPE AND QUANTITY REQUIREMENTS.
- SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION AND CLARIFICATION OF DATA PATHWAY CONDUIT AND CABLING REQUIREMENTS BEFORE ROUGH-IN.
- CONTRACTOR TO ROUTE ALL CONDUIT AND CABLING TO NEAREST TELECOM ROOM SERVING AREA. CATEGORY CABLING RUNS NOT TO EXCEED 295'.

**WORK NOTES** (THIS SHEET ONLY)



**1 OVERALL LOW VOLTAGE FLOOR PLAN**  
LV210 SCALE: 1/8" = 1'-0"







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CHEROKEE NATION  
CATOOSA, OK 74015

REVISIONS  
NO. | DATE | DESCRIPTION

SHEET DESCRIPTION  
**LOW VOLTAGE CEILING PLAN**

50% DD  
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DRAWING SCALE: **N/A" = 1'-0"** WGA PROJECT NUMBER: **23-209**

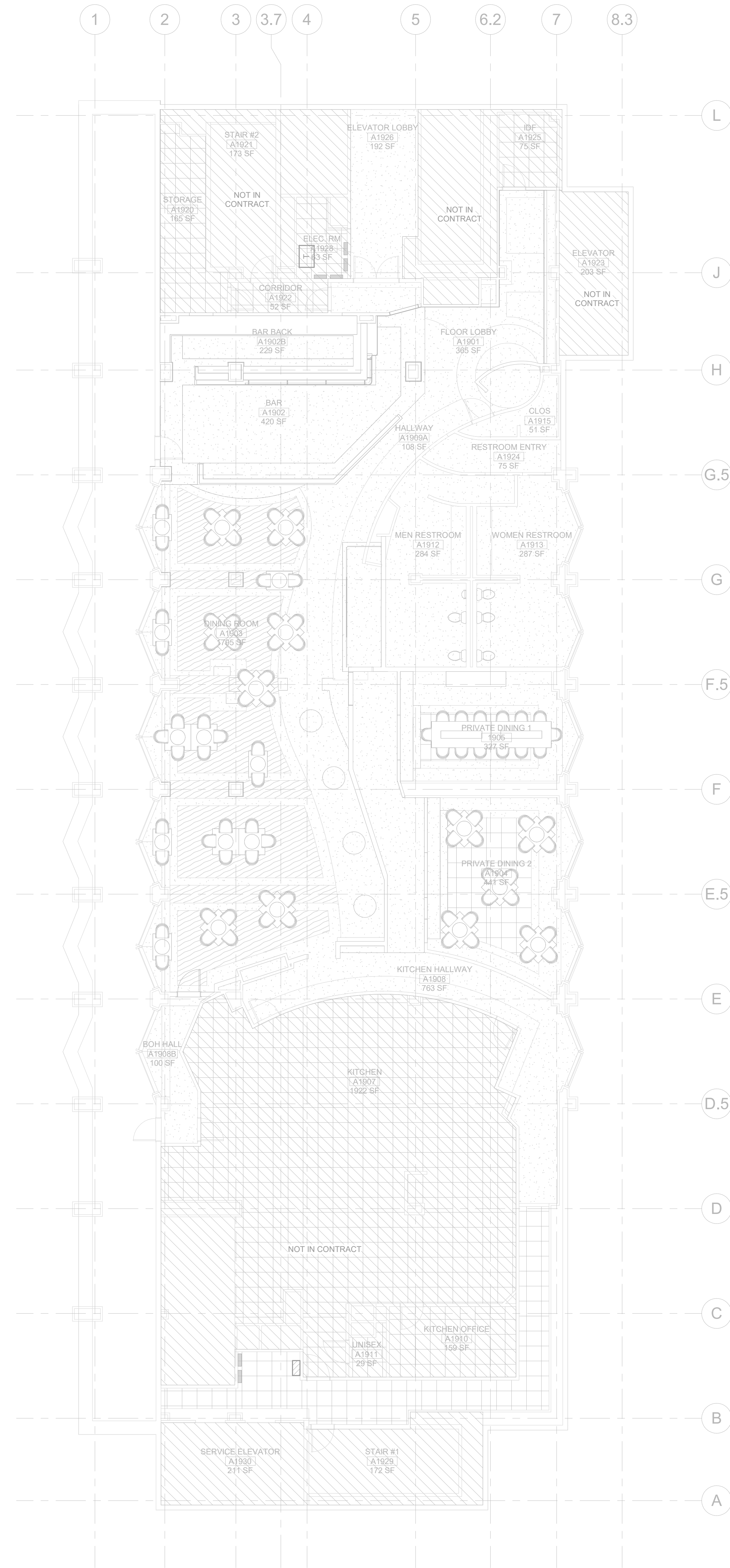
PROGRESS DATE:  
**22 DECEMBER 2023**

SHEET NUMBER:  
**LV310**

**GENERAL NOTES** (THIS SHEET ONLY)

- REFER TO ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS FOR EXACT LOCATIONS, DIMENSIONS AND MOUNTING HEIGHTS OF LOW VOLTAGE DEVICES.
- REFER TO ELECTRICAL POWER, LIGHTING, AND AUDIO VISUAL DRAWINGS FOR ADDITIONAL INFORMATION AND TO COORDINATE DEVICE LOCATIONS.
- COORDINATE AND OBTAIN APPROVAL FROM STRUCTURAL ENGINEER FOR ROUTING OF ANY CONDUIT OR RACEWAY IN SLAB PRIOR TO ROUGH-IN.
- COORDINATE ROUTING OF ALL PATHWAYS, CONDUIT, LADDER TRAY, CABLE TRAY AND ALL OTHER RACEWAYS WITH OTHER TRADES PRIOR TO ROUGH-IN.
- REFER TO MASTER LEGEND AND CABLE SCHEDULE FOR GENERAL DATA DEVICE CABLE TYPE AND QUANTITY REQUIREMENTS.
- SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION AND CLARIFICATION OF DATA PATHWAY CONDUIT AND CABLING REQUIREMENTS BEFORE ROUGH-IN.
- CONTRACTOR TO ROUTE ALL CONDUIT AND CABLING TO NEAREST TELECOM ROOM SERVING AREA. CATEGORY CABLING RUNS NOT TO EXCEED 295'.

**WORK NOTES** (THIS SHEET ONLY)



**1 OVERALL LOW VOLTAGE CEILING PLAN**  
LV310 SCALE: 1/8" = 1'-0"

