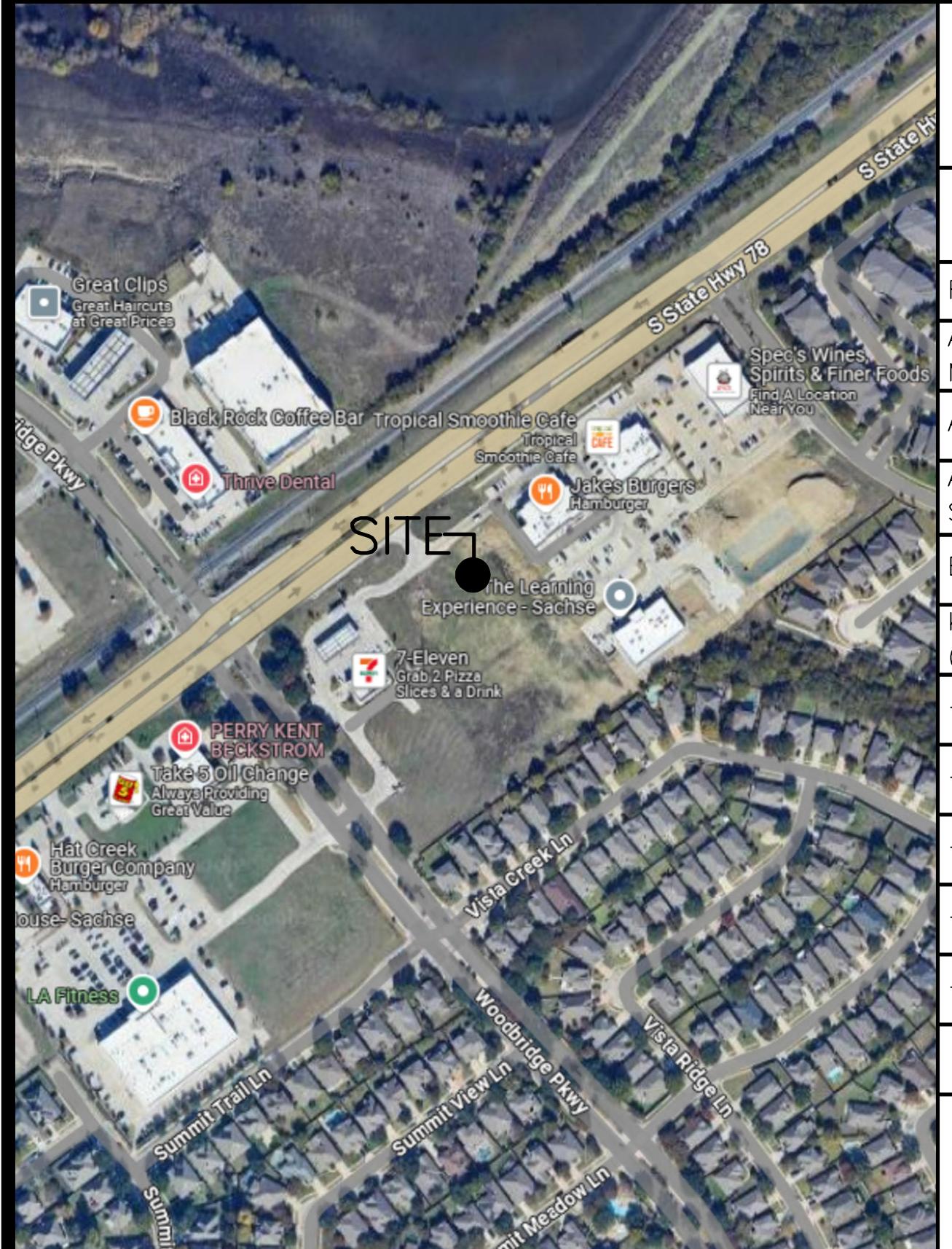


4584-WW PLAN

32 SEATS (2 ACCESSIBLE SEATS)



OCCUPANCY ALLOWANCE:

2021 INTERNATIONAL BUILDING CODE

TABLE 1004.5
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	ALLOWANCE	AREA	OCCUPANTS
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	570 SF	2
ASSEMBLY WITH FIXED SEATS	SEE PLAN	—	32
ASSEMBLY W/OUT FIXED SEATS STANDING SPACE	5 NET	195 SF	39
BUSINESS AREAS	150 GROSS	64 SF	1
KITCHEN, COMMERCIAL (OCCUPANT LOAD FOR FULL STAFF)	200 GROSS	1,326 SF	7
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—	—	—	—
TOTAL OCCUPANCY ALLOWANCE		81	

7890 HWY 78, SACHSE TEXAS

4584 W/W BUILDING BB20 – DALLAS FIELD OFFICE

BUILDING INFORMATION:

ADDRESS:

STATE SITE CODE: 042-3536
STREET ADDRESS: 7890 HWY 78
CITY: SACHSE
COUNTY: COLLIN
STATE: TEXAS

STRUCTURE:

WOOD LOAD BEARING WALLS, WOOD ROOF FRAMING

UTILITIES:

ELECTRIC GRILLS & ELECTRIC FRYERS
ELECTRIC HVAC & ELECTRIC WATER HEATER

BUILDING CODE:

BUILDING CODE EDITION:	2021 INTERNATIONAL BUILDING CODE
MECHANICAL CODE EDITION:	2021 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE EDITION:	2020 NATIONAL ELECTRICAL CODE
PLUMBING CODE EDITION:	2021 INTERNATIONAL PLUMBING CODE
ENERGY CODE EDITION:	2021 INTERNATIONAL ENERGY CONSERVATION CODE
FIRE/LIFE SAFETY CODE EDITION:	2021 INTERNATIONAL FIRE CODE
FUEL/GAS CODE EDITION:	2021 INTERNATIONAL FUEL/GAS CODE
HEALTH CODE EDITION:	TEXAS STATE PUBLIC HEALTH CODE
ACCESSIBILITY CODE EDITION:	2017 ICC A117.1 & 2012 TAS STANDARDS

BUILDING DATA:

OCCUPANCY: USE GROUP A2
CONSTRUCTION TYPE: VB
NUMBER OF STORIES: 1
BUILDING HEIGHT: 21'-9 1/2" (MAIN BLDG. PARAPET)

GROSS BUILDING AREA: 3,933 GROSS S.F.
FLOOR AREA, GROSS: 3,710 NET S.F.

DESIGN LOADS:

GROUND SNOW LOAD:
WIND SPEED:
SEISMIC DESIGN CATEGORY:
SOIL BEARING CAPACITIES:

REFERENCE SHEET S4.0
REFERENCE SHEET S4.0
REFERENCE SHEET S4.0
REFERENCE SHEET S4.0

LIFE SAFETY SYSTEM:

EMERGENCY LIGHTING:
EXIT SIGNS:
FIRE ALARM:
DUCT SMOKE DETECTORS W/ AUDIBLE/VISIBLE DEVICE:
FIRE SPRINKLERS:
SPRINKLER FLOW/TAMPER SWITCH W/ AUDIBLE/VISIBLE DEVICE:
CO2 DETECTION SYSTEM W/ AUDIBLE/VISIBLE DEVICE:
PANIC HARDWARE:

X YES NO
X YES NO
X YES X NO
X YES NO
X YES NO
X YES X NO
X YES NO
X YES NO
X YES NO

DESIGNER OF RECORD:

DISCIPLINE: NAME: EMAIL: PHONE #:

ARCHITECT:	JAW Architects Inc.	jeramy@jaw-arch.com	817-705-3387
STRUCTURAL:	Rubix Consultants	Contact Architect	Contact Architect
MECHANICAL:	Robert D. Anderson	Contact Architect	Contact Architect
PLUMBING:	Robert D. Anderson	Contact Architect	Contact Architect
ELECTRICAL:	Robert D. Anderson	Contact Architect	Contact Architect

CONSTRUCTION PROJECT MANAGER:

DISCIPLINE: NAME: EMAIL: PHONE #:

MANAGER:	Krista Rostosky	krista.rostosky@mcd.com	Contact Architect
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REVISIONS

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GENERAL NOTES

- ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, REGULATIONS, ORDINANCES AND STANDARDS INCLUDING ADA AND OR OTHER HANDICAP ACCESSIBILITY CODES.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER'S VENDORS REGARDING SCHEDULING ON SITE DURING CONSTRUCTION AND SEQUENCING OF THE WORK.
- THE CONSTRUCTION NOTES AND DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN INTENT AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
- THE DRAWINGS ARE NOT TO BE SCALED, FOR INFORMATION CONCERNING EXISTING CONDITIONS, ETC., VERIFICATION MUST BE DONE IN THE FIELD. LARGE SCALE DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS.
- PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF ALL EXISTING ABOVE AND BELOW GRADE, UTILITIES, INCLUDING SANITARY SEWER, STORM SEWER, WATER, GAS, ELECTRICAL, TELEPHONE, ETC. ANY DISCREPANCIES IN UTILITY LOCATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL BUILDING DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY VARIANCE OR DISCREPANCY AFFECTING NEW CONSTRUCTION PRIOR TO PROCEEDING WITH WORK.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR SUPPORT OF ALL EQUIPMENT, SHELVING, ACCESSORIES, SIGNAGE, AND OTHER DEVICES REQUIRED.
- ALL PENETRATIONS SHALL RECEIVE CAULKING TO SEAL ANY TYPE OF ENERGY LOSS.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
- UPON COMPLETION OF PROJECT, G.C. TO OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
- SIGNS, UNLESS NOTED OTHERWISE, ARE PROVIDED BY OWNER'S SIGN CONTRACTOR. OWNER'S SIGN VENDOR WILL PROVIDE MONUMENT SIGN BASE (CONCRETE, STONE, BRICK, ETC.) IF PROJECT REQUIRES DECORATIVE BASE. SEE SHEET L-1 TO VERIFY IF REQUIRED. GENERAL CONTRACTOR TO PROVIDE ROUGH-IN & FINAL CONNECTION AND BRAILLE EXIT SIGN.
- GENERAL CONTRACTOR TO PROVIDE FOUR (4) 30 YARD DUMPSTERS DURING McDONALD RETAIL MOVE-IN.
- GENERAL CONTRACTOR SHALL PROVIDE ONE SKILLED LABORER FOR ONE WEEK DURING McDONALD RETAIL MOVE-IN. (40 HOURS)
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SET-UP AND COORDINATION OF ALL THE UTILITY SERVICES FOR THE PROJECT.
- ALL EXTERIOR FLOOR PLAN DIMENSIONS ARE TO EXTERIOR FACE OF FOUNDATION UNLESS OTHERWISE NOTED. ALL INTERIOR FLOOR PLAN DIMENSIONS ARE TO FACE OF INTERIOR WALL BOARD UNLESS OTHERWISE NOTED.
- FINAL KEYING TO BE COORDINATED WITH McDONALD FACILITY MANAGER AND PAID FOR BY McDONALD.
- REFER TO "PROJECT MANUAL" FOR ALL OTHER INSTRUCTIONS & DIRECTIVES NOT SHOWN IN DRAWINGS. IF THERE IS A CONFLICT BETWEEN THE DRAWINGS AND PROJECT MANUAL, NOTIFY THE AREA CONSTRUCTION MANAGER FOR RESOLUTION.

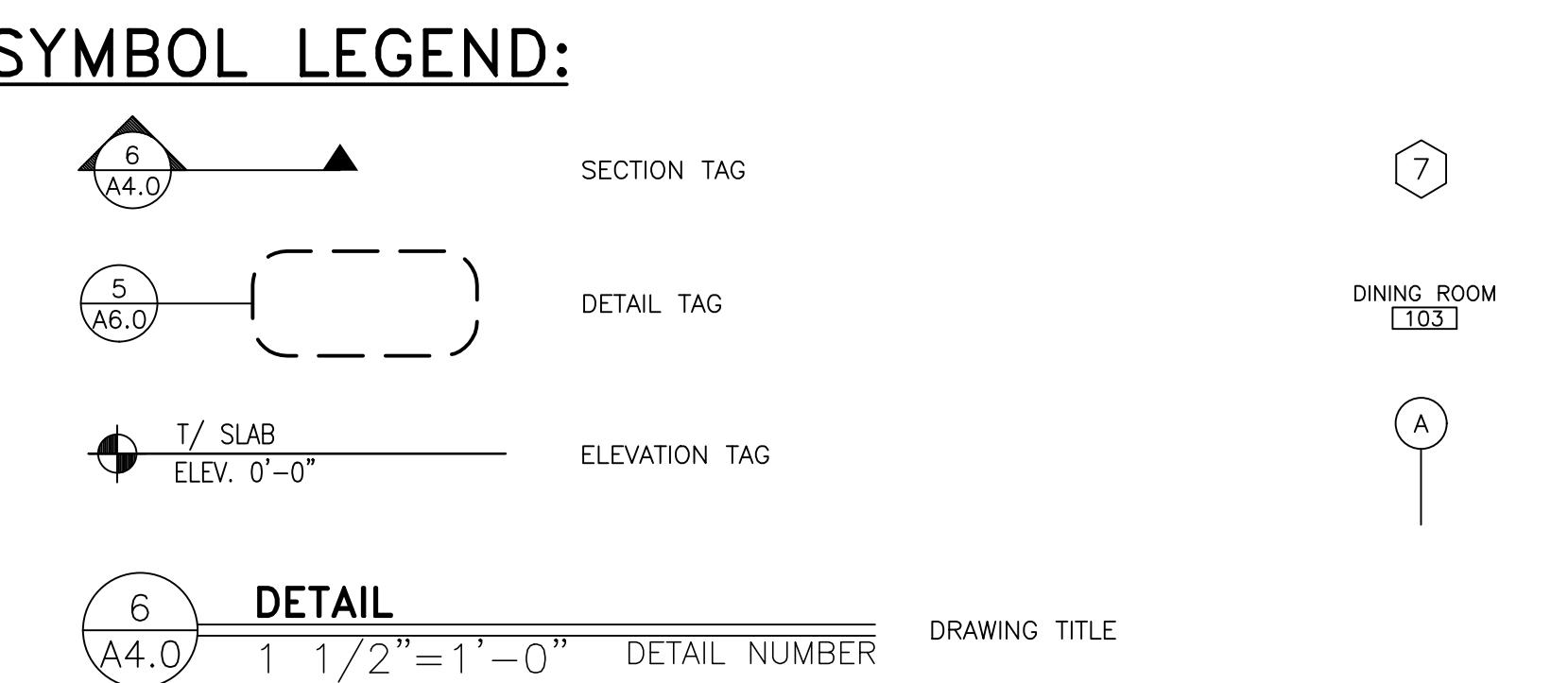
ABBREVIATIONS

GENERAL ABBREVIATIONS

A	ANNEALED	INSUL.	INSULATION
AC	AIR CONDITIONING	MAX	MAXIMUM
ACT	ACOUSTIC CEILING TILE	MECH	MECHANICAL
AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURER
AHU	AIR HANDLING UNIT	MIN	MINIMUM
AL	ALUMINUM	MO	MASONRY OPENING
ASPH	ASPHALT	MR	MOISTURE RESISTANT
CJ	CONTROL JOINT	MTL	METAL
CLNG	CEILING	NA	NOT APPLICABLE
CMU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
COL	COLUMN	NOM	NOMINAL
CONC	CONCRETE	NTS	NOT TO SCALE
CONT	CONTINUOUS	OC	ON CENTER
CP	CONCRETE PAD	OPP	OPPOSITE
CT	CERAMIC TILE	OPT	OPTIONAL
CL	CENTERLINE	PAR	PARTIAL
DBL	DOUBLE	PF	PRE-FABRICATED
DF	DRINKING FOUNTAIN	PSF	POUNDS PER SQUARE FOOT
DIA	DIAMETER	PT	PRESSURE TREATED
DIM	DIMENSION	PTD	PAINTED
DN	DOWN	QT	QUARRY TILE
DS	DOWNSPOUT	R	RADIUS
EA	EACH	REBAR	REINFORCING BAR
EJ	EXPANSION JOINT	REF	REFERENCE
ELEC	ELECTRICAL	REQD.	REQUIRED
ELEV	ELEVATION	RO	ROUGH OPENING
EQ	EQUAL	SB	SPLASHBLOCK
EXIST	EXISTING	SIM	SIMILAR
FD	FLOOR DRAIN	SPEC	SPECIFICATION
FE	FIRE EXTINGUISHER	SS	STAINLESS STEEL
FEC	FIRE EXTINGUISHER CABINET	STL	STEEL
FF	FINISH FLOOR	STOR	STORAGE
FR	FIRE RATED	SUSP	SUSPENDED
FRP	FIBERGLASS REINFORCED PLASTIC	T	TEMPERED
GALV	GI	TYP	TYPICAL
GYP BD	GYPSUM BOARD	UNO	UNLESS NOTED OTHERWISE
HG	HANDICAP	VCT	VINYL COMPOSITION TILE
HDW	HARDWARE	VERT	VERTICAL
HM	HOLLOW METAL	WD	WOOD
HT	HEIGHT	WP	WATERPROOF
HVAC	HEATING, VENTILATION, AIR CONDITIONING	WWF	WELDED WIRE FABRIC

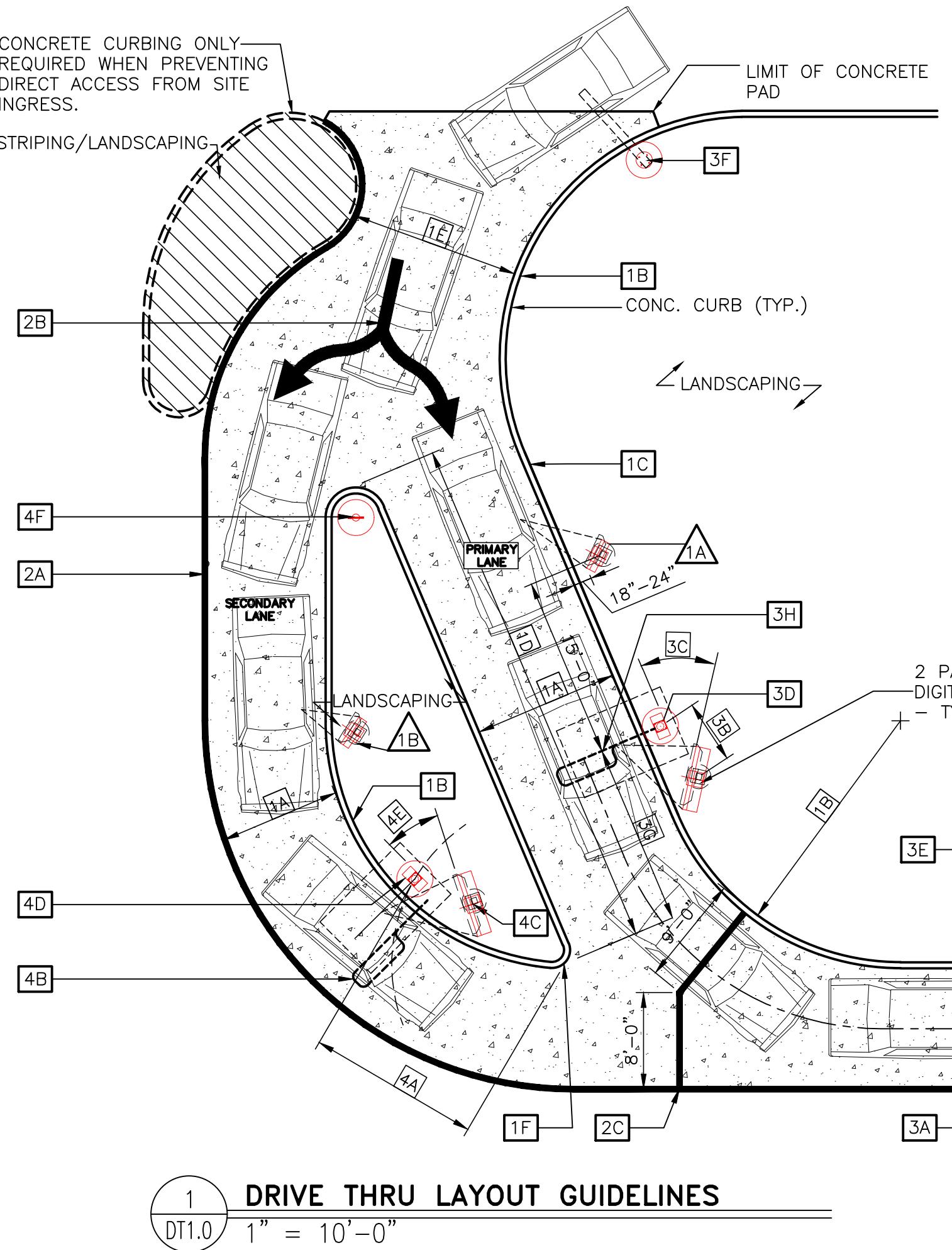
MCDONALD'S ABBREVIATIONS

AP	ALPOLIC METAL PANEL	LAM	LAMINATE
BM	BRAKE METAL	LE	ACCENT LIGHTING
C	ALUMINUM CANOPY	LP	LOW POINT
CG	CORNER GUARD	LL	LEVEL LANDING
CT	WALL TILE	MACHINE	MANAGER
D#	DECOR ELEMENT OR FINISH	MF	METAL FASCIA
DEVICE		MS	MOP SINK
DMB	DIGITAL MENU BOARD	PB	PIPE BOLLARD
DS	DROP SOFFIT	PT	RMHC COIN COLLECTOR
D/T	DRIVE-THRU	RL	ROOF LADDER
FB	FILL BOX	ROOM	
F/C	FREEZER/COOLER	S	McDONALD'S SIGNAGE
GC	GENERAL CONTRACTOR	SCHLUTER	
HP	HIGH POINT	UN	ALUMINUM CANOPY underscore
KIOSK			
L	LIGHT FIXTURE		



DESCRIPTION	STD ISSUE DATE	DRAWN BY	PREPARED BY:
2025 STANDARD BUILDING - BB20	2025	JAW	McDonald's USA, LLC
4584-WOOD/WOOD			
WOOD BEARING WALLS			
WOOD ROOF TRUSS FRAMING			
SITE ID: 042-356	SITE ADDRESS: 7850 HWY 75, SACHSE TX	DATE ISSUED: 02/07/2025	DATE REVISED: 02/07/2025
SHEET NO. 1 JAWA 24-0221			
GENERAL NOTES GN1.1			
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JAW Architects, Inc. Amy Williams, Architect Phone: 817-765-3387 Email: Amy@jawservices.com			
REV. DATE	BY		

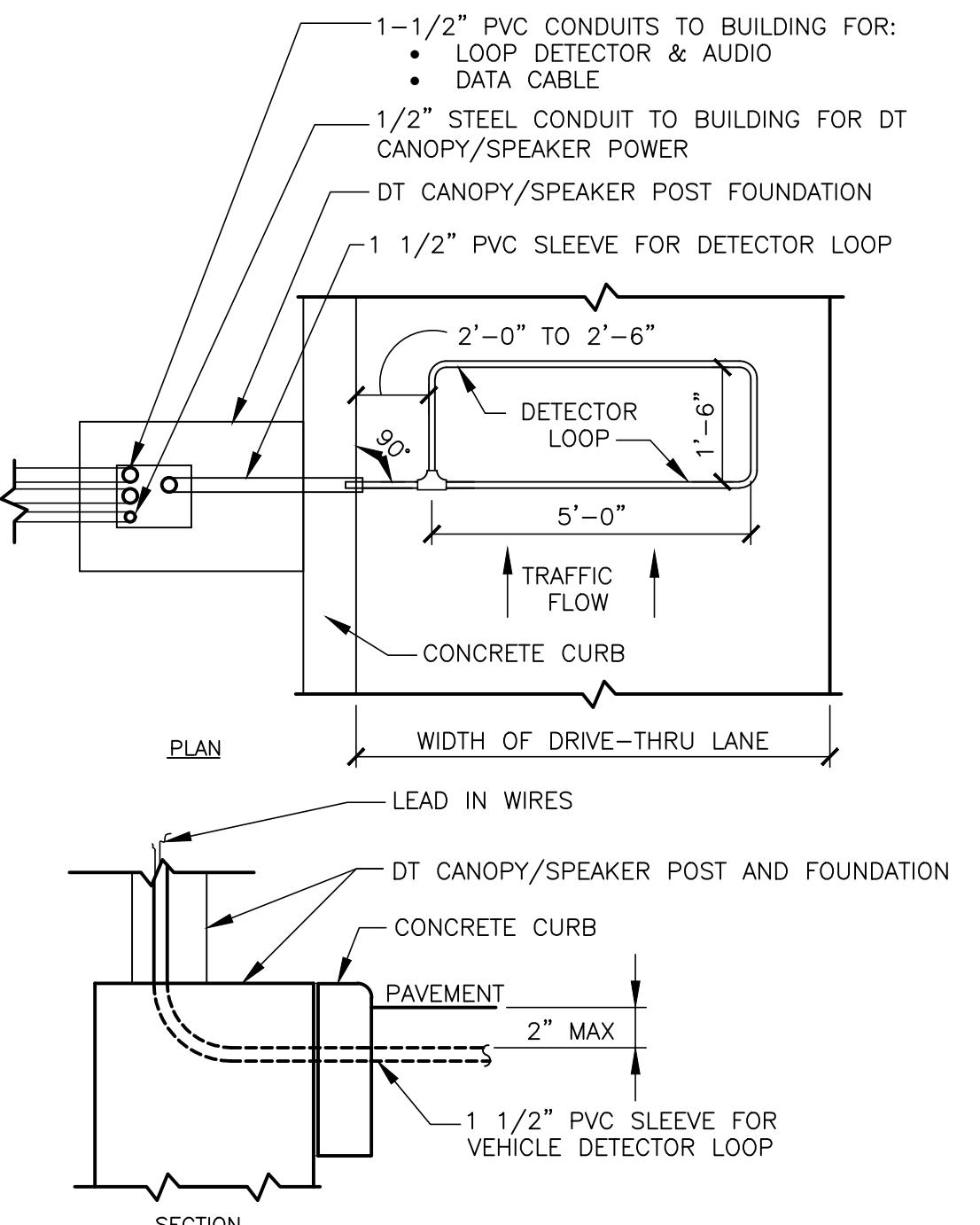
THE LAYOUT OF THE DRIVE-THRU LANES SHOWN IN THIS DETAIL ILLUSTRATES DRIVE-THRU DESIGN PRINCIPLES.



DRIVE THRU LAYOUT GUIDELINES

NOTES

1. VERIFY CONDUIT SIZES AND LAYOUT WITH DETECTOR LOOP MANUFACTURER.
 2. CENTER VEHICLE DETECTOR LOOP IN DRIVE THRU LANE. INSTALL PER MFR. RECOMMENDATIONS.
 3. NO STEEL (REBAR OR ELECTRICAL WIRE) SHALL BE USED WITHIN 2' OF LOOP.
 4. DETECTOR LOOP MANUFACTURERS:
DETECTOR LOOPS MAY BE BY ONE OF THE FOLLOWINGS COMPANIES OR EQUAL.
3M: 1-800-328-0033
HME: 1-800-848-4468
 5. DETECTOR LOOP MATERIAL:
PVC TUBING 1/2" I.D. 100 PSI LOOP MADE FROM ONE LENGTH OF THIN FOURTEEN GAUGE STRANDED WIRE. LEAD-IN IS PRE-TWISTED AT FACTORY.
 6. DETECTOR LOOP CONSTRUCTION:
FORMED WITH ONE CONTINUOUS LENGTH OF PVC WITH NO SHARP CORNERS AS DETAILED. WIRE LOOPED FORMED & PIGTAILED AS DETAILED



DETECTOR LOOP DETAILS

SIDE BY SIDE DRIVE-THRU STANDARD 1.0

1. SIDE BY SIDE DRIVE-THRU STANDARD 1.0 CURBING DETAILS:

- 1A** DRIVE-THRU LANES BOUND BY CURB ON BOTH SIDES ARE TO BE 12'-0". LANES BOUND BY CURB ON ONE SIDE AND PAINTED STRIPING ON THE OTHER SIDE ARE TO BE A MIN. OF 10'-0".
 - 1B** THE MIN. RADIUS FOR ALL INSIDE/DRIVER'S SIDE DRIVE-THRU CURBING IS 20'-0".
 - 1C** PRIMARY LANE CURBING SHOULD BE AS STRAIGHT AS POSSIBLE. (LESS CURVING, THE BETTER).
 - 1D** THE OVERALL LENGTH OF THE CURBED ISLAND SHOULD BE 35'-45'. THE LENGTH OF THE ISLAND FROM THE DT CANOPY/SPEAKER ALLOWS FOR THREE CARS IN THE SECONDARY LANE, TWO IN THE PRIMARY LANE AND ONE AT THE COMMITMENT POINT.
 - 1E** ENTRANCE LANE ENTERING THE SIDE BY SIDE DRIVE-THRU IS TO BE 14'-0" MIN.
 - 1F** THE RADIUS FOR THE ISLAND TIP SHALL BE 1'-6".

2. SIDE BY SIDE DRIVE-THRU STANDARD 1.0 PAVEMENT MARKINGS:

 - 2A** 6" WIDE YELLOW PAINT STRIPE TO SPAN OUTER EDGE OF THE ENTIRE DRIVE-THRU LANE. LANE STARTS AT DRIVE-THRU ENTRANCE WHERE "McDONALD'S GATEWAY" SIGN IS LOCATED.
 - 2B** DOUBLE-HEADED ARROW PAVEMENT MARKING. STANDARD STRIPING MARKINGS ARE 7'-0" SHAFT, 7'-0" ARROW STEM AND 3'-0" FOR THE ARROW HEAD. TIP OF ARROW HEAD TO BE LOCATED AT CENTER OF EACH LANE.
 - 2C** MERGE POINT IS LOCATED WHERE TWO VEHICLES LEAVING EACH DT CANOPY/SPEAKER SIMULTANEOUSLY MEET. THE MERGE POINT STRIPING IS TO BE LOCATED BY OFFSETTING THE INNER PRIMARY LANE BACK OF CURB 9'-0" AND OFFSETTING THE OUTER LANE STRIPING 8'-0". AT THE INTERSECTION OF THESE OFFSETS, A 6" YELLOW STRIPE IS TO BE MARKED PERPENDICULAR TO THE OUTER LANE AS WELL AS THE INNER PRIMARY LANE.
 - 2D** THE WORDS "THANK YOU" ARE TO BE PLACED 8" FROM THE EDGE OF THE YELLOW STRIPE TO THE BOTTOM OF THE WORD "YOU".
 - 2E** THE 8" YELLOW STRIPE IS TO BE PLACED 40'-0" FROM THE CENTER LINE OF THE OPEN PRESENT WINDOW AND IS FOR PARKING CARS THAT ARE WAITING FOR ORDERS.
 - 2F** A CIRCLE DIRECTIONAL ARROW CENTERED ABOVE THE WORD "DRIVE THRU" USED TO INDICATE THE DRIVE THRU ENTRY POINT.

SIDE BY SIDE DRIVE-THRU STANDARD 1.0 EQUIPMENT POSITIONING FOR PRIMARY LANE:

- 3A** MIN. 60'-0" (+5', 60'-65') LINEAR DISTANCE BETWEEN THE CENTER LINE OF THE DT CANOPY/SPEAKER FACE AND THE CENTER LINE OF THE OPEN ORDER BOOTH WINDOW AS MEASURED ALONG THE CENTER LINE OF THE LANE. THIS MAY ONLY BE INCREASED IN 20'-0" INCREMENTS ($\pm 5'$ FOR 80', 100', AND 120') TO A MAX OF 120'. 100'-0" IS OPTIMAL.

3B THE CENTER OF THE PRIMARY MENU BOARD FOUNDATION IS TO BE 5'-9" (5'-6" MIN. AND 6'-0" MAX.) FROM THE CENTER OF THE DT CANOPY/SPEAKER FOUNDATION WITH THE END CAP OF THE PRIMARY MENU BOARD 15" PREFERRED BUT NOT LESS THAN 12" FROM THE FACE OF CURB. .

3C THE PRIMARY MENU BOARD SHOULD BE AT AN ANGLE OF APPROXIMATELY 25° TO 35° ANGLE (35° PREFERRED) FROM A CAR POSITIONED AT THE DT CANOPY/SPEAKER AND WITH 100% VISIBILITY.

3D AUGER "McDONALD'S ORDER HERE CANOPY" CANOPY FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

3E A SINGLE BOLLARD SHOULD BE POSITIONED AT THE CORNER OF THE BUILDING ON THE DRIVE-THRU SIDE. IT SHOULD BE FLUSH AGAINST THE BUILDING AND FACE OF THE BOLLARD SHOULD BE TIGHT AGAINST THE BACK OF THE CURB.

3F AUGER "McDONALD'S GATEWAY" SIGN FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

3G THE DISTANCE BETWEEN THE TIP OF THE CURBED ISLAND AND THE CENTER LINE OF THE PRIMARY DT CANOPY/SPEAKER MUST BE 15'-0". THIS MEASUREMENT IS TAKEN PARALLEL TO THE INSIDE CURB FACE OF THE PRIMARY LANE.

3H THE PRIMARY LANE DETECTOR LOOP SHOULD BE PERPENDICULAR TO THE CENTER OF THE PRIMARY DT CANOPY/SPEAKER.

SIDE BY SIDE DRIVE-THRU STANDARD 1.0 EQUIPMENT POSITIONING FOR SECONDARY LANE:

4A TO POSITION THE SECONDARY DT CANOPY/SPEAKER, DRAW AN ARC WITH A 14' RADIUS THAT IS CENTERED FROM THE MIDPOINT OF THE ISLAND TIP. THEN OFFSET THE FACE OF THE CURB BY 24" TO DETERMINE THE LOCATION OF CENTER OF FOUNDATION OF THE SECONDARY DT CANOPY/SPEAKER.

4B WHEN THE SECONDARY DT CANOPY/SPEAKER IS LOCATED AT 14'-0" FROM THE TIP OF THE CURBED ISLAND, THE LOOP DETECTOR IS TO BE 2'-0" FORWARD OF THE DT CANOPY/SPEAKER CENTER LINE WITH THE LOOP FACING FORWARD AND THE DETECTOR LOOP PERPENDICULAR TO THE SECONDARY DT CANOPY/SPEAKER WHEN POSSIBLE.

4C THE CENTER OF THE SECONDARY MENU BOARD FOUNDATION SHALL BE 5'-9" (5'-6" MIN. AND 6'-0" MAX.) FROM CENTER OF THE DT CANOPY/SPEAKER FOUNDATION WITH THE END CAP OF THE SECONDARY MENU BOARD 15" PREFERRED BY NOT LESS THAN 12" FROM FACE OF CURB.

4D AUGER "McDONALD'S ORDER HERE" DT CANOPY/SPEAKER FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

4E THE SECONDARY MENU BOARD SHOULD BE AT AN ANGLE OF APPROXIMATELY 25° FROM A VEHICLE POSITIONED AT THE DT CANOPY/SPEAKER AND WITH 100% VISIBILITY.

4F "ANY LANE, ANY TIME" BOLLARD SIGN MUST BE A MIN. OF 1'-6" FROM FACE OF CURB AT THE BEGINNING OF THE LANDSCAPE ISLAND. BOLLARD SIGN IS TO BE ORIENTED AT AN ANGLE OF 90° FROM THE CURB.

SIDE BY SIDE DRIVE-THRU STANDARD 1.0 DETECTOR LOOP:

5A DETECTOR LOOPS SHALL BE LOCATED AT THE CENTER OF THE OPENING WINDOW AT THE CASH AND PRESENTER BOOTHS.

SIDE BY SIDE DRIVE-THRU

STANDARD 1.0 FEATURES:

SIDE BY SIDE DRIVE-THRU STANDARD 1.0 EQUIPMENT:

- SIDE BY SIDE DRIVE-THRU STANDARD 1.0 EQUIPMENT.**

1A PRE-BROWSE BOARD MUST BE 18"-24" FROM FACE OF CURB. THE DISTANCE BETWEEN THE PRIMARY DT CANOPY/SPEAKER AND PRE-BROWSE BOARD IS TO BE 15' AS MEASURED ALONG THE FACE OF CURB. THIS IS MEASURED FROM THE CENTER OF THE PRE-BROWSE BOARD FOUNDATION TO THE CENTER OF THE DT CANOPY/SPEAKER FOUNDATION. THE ANGLE (APPROXIMATELY 50°) OF THE PRE-BROWSE BOARD SHOULD MAXIMIZE VISIBILITY TO THE SECOND CAR FROM DT CANOPY/SPEAKER.

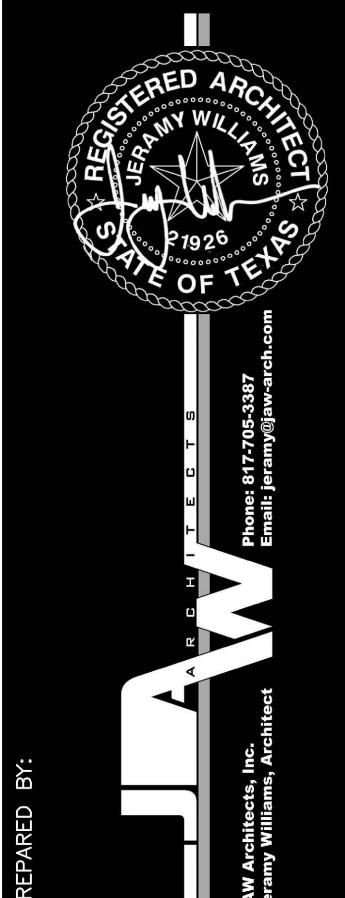
1B PRE-BROWSE BOARD MUST BE MIN. 12" FROM FACE OF CURB. THE DISTANCE BETWEEN THE SECONDARY DT CANOPY/SPEAKER AND PRE-BROWSE BOARD IS TO BE 15' AS MEASURED ALONG FACE OF THE CURB. THIS IS MEASURED FROM THE POINT PERPENDICULAR TO THE CENTER OF THE PRE-BROWSE BOARD FOUNDATION TO THE POINT PERPENDICULAR TO THE CENTER OF THE DT CANOPY/SPEAKER FOUNDATION. THE ANGLE OF THE PRE-BROWSE BOARD SHOULD MAXIMIZE VISIBILITY TO THE SECOND CAR FROM DT CANOPY/SPEAKER (PREFERRED 35°).

GENERAL NOTES

- DRIVE-THRU ELEMENTS:**

DT CANOPY/SPEAKER DRIVE-THRU PYLON/CLEARANCE POLE AND BOLLARD SIGN SHALL BE CONSISTENT WITH THE STANDARD BUILDING DESIGN DRIVE-THRU ELEMENTS.

OTHER DESIGNS MAY NOT BE USED.
 - 2. CONTRACTOR SHALL COORDINATE WITH APPLICABLE PLANS, McDONALD'S AREA CONSTRUCTION MANAGER, CONTENT SUPPLIER AND SIGNAGE SUPPLIER TO DETERMINE EXACT LOCATION, ORIENTATION, MOUNTING HEIGHTS, AND NUMBER OF BOARDS AND OTHER DRIVE-THRU ELEMENTS TO BE INSTALLED AT THIS SITE. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
 - 3. CONTACT McDONALD'S AREA CONSTRUCTION MANAGER FOR DRIVE-THRU ELEMENT FOOTING AND WIRING REQUIREMENTS NOT SHOWN. (INFORMATION ALSO AVAILABLE THROUGH VENDOR WEBSITES) SIGNAGE MANUFACTURER TO PROVIDE FOOTING ANCHORS & TEMPLATES TO G.C. PRIOR TO FOUNDATION POURING.
 - 4. SEE DETAIL 2/DT1.0 FOR DETECTOR LOOP INFORMATION, ELECTRICAL SHEETS FOR LOW VOLTAGE CONDUIT DIAGRAM AND FOR DRIVE THRU POWER DIAGRAM; VENDOR'S SPECIFICATIONS SHALL GOVERN UPON ANY DISCREPANCIES.
 - 5. CONTRACTOR TO COORDINATE THE RESPONSIBILITIES OF THE ELECTRICAL CONTRACTOR, CONTENT SUPPLIER AND THE SIGN SUPPLIER.
 - 6. CONTRACTOR TO INSTALL PRE-FORMED, PRE-WIRED VEHICLE DETECTOR LOOP.
 - 7. CONTRACTOR SHALL VERIFY CONDUIT SIZES REQUIRED BY VEHICLE LOOP DETECTOR SUPPLIER.

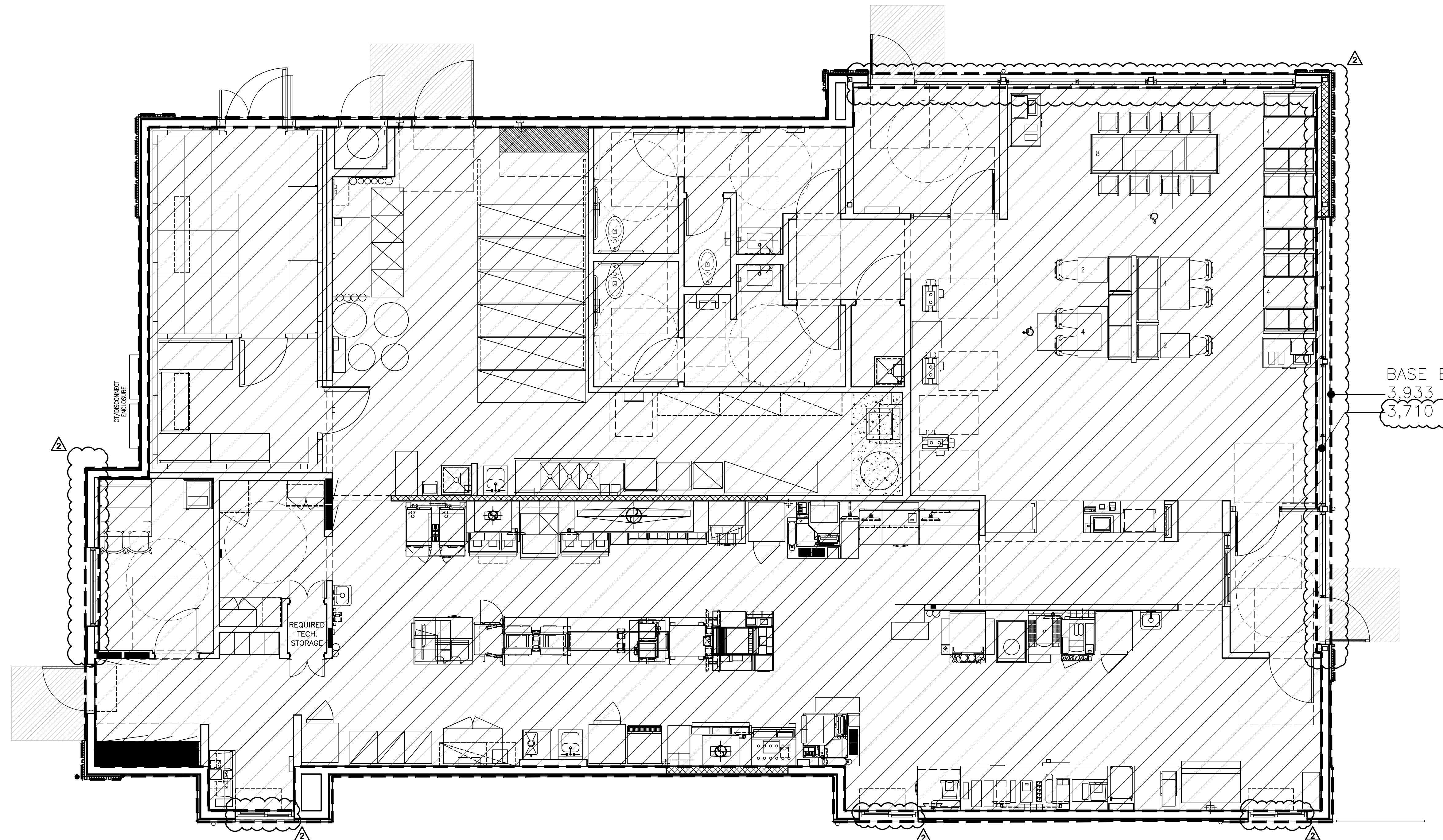


s USA, LLC

McDonald'
PREPARED FOR:

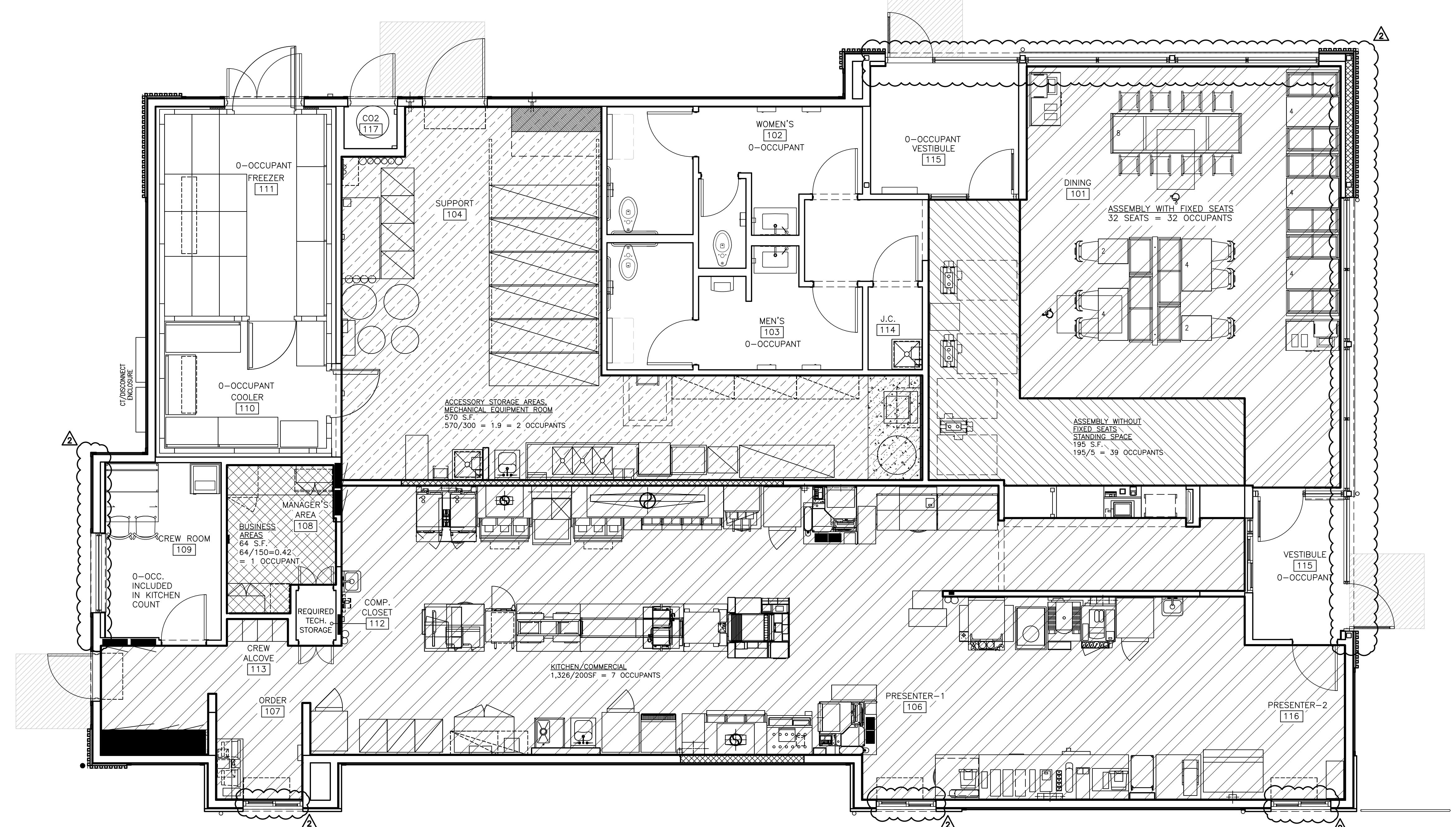
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SHEET NO.		TITLE		DRAWN BY JAW		STD ISSUE DATE 2025		REVIEWED BY JAW		DATE ISSUED 02/07/2025	
DT1.0		2025 STANDARD BUILDING - BB20		4584-WOOD/WOOD		2		WOOD BEARING WALLS		WOOD ROOF TRUSS FRAMING	
PREPARED BY JAWA		24-0221		DESCRIPTION						SITE ADDRESS	



SQUARE FOOTAGE PLAN

2025 STANDARD BUILDING - BB20		STD ISSUE DATE	2025
4584-WOOD/WOOD		REVIEWED BY	JAW
		DATE ISSUED	02/07/2025
		DESCRIPTION	
		WOOD BEARING WALLS	
		WOOD ROOF TRUSS FRAMING	
SITE ID	SITE ADDRESS		
042-3536	7890 HWY 78, SACHSE TX		
		REV	DATE
		DESCRIPTION	
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 <p>JAW ARCHITECTS JEREMY WILLIAMS, Architect Phone: 817-705-3387 Email: jeremy@jaw-arch.com</p>			
<p>JAWA 24-0221</p> <p>R 1.0</p> <p>SQUARE FOOTAGE</p>			



OCCUPANCY COUNT PLAN
R1.1 1/4" = 1'-0"

OCCUPANCY ALLOWANCE:

2021 INTERNATIONAL BUILDING CODE

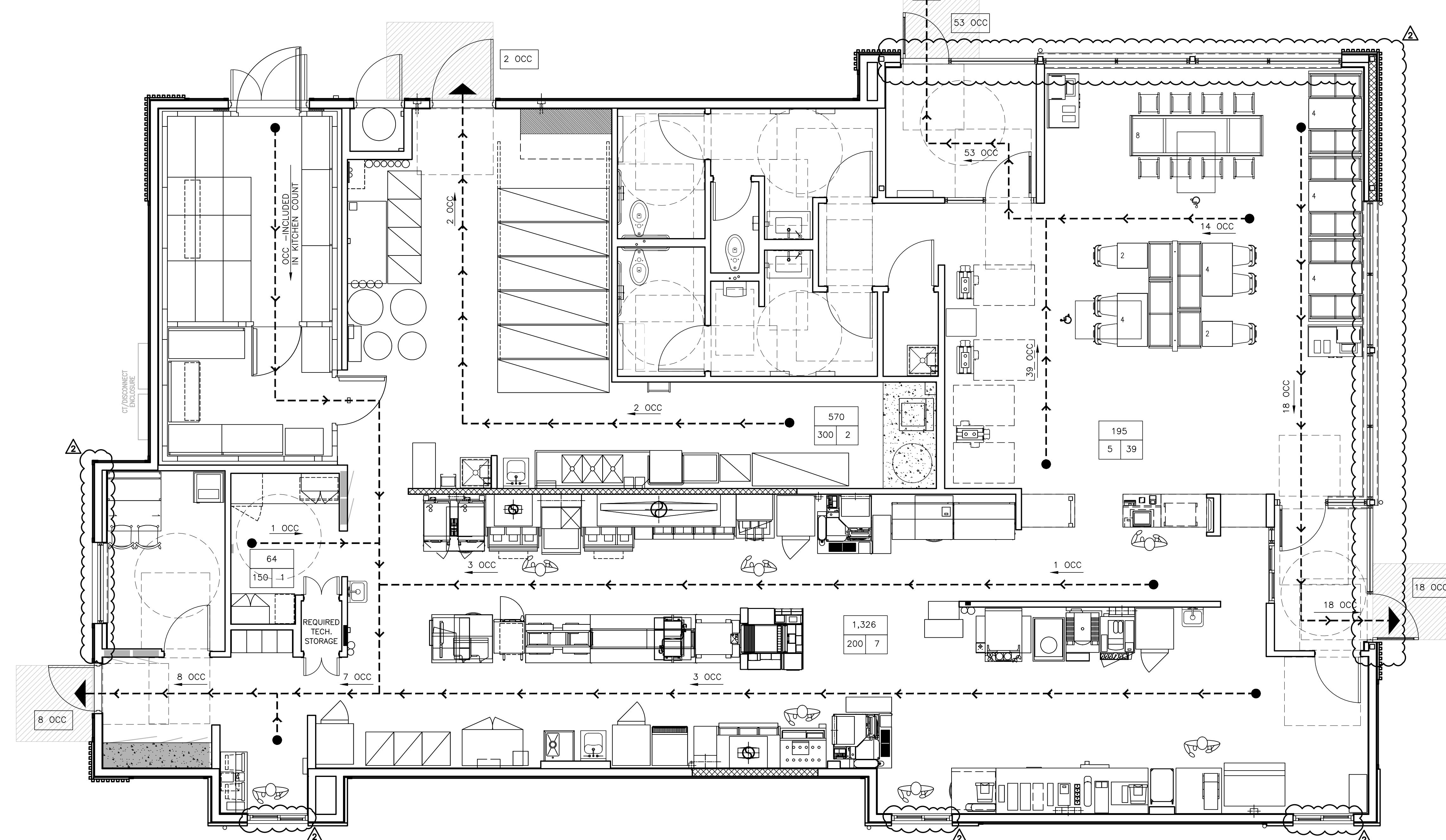
TABLE 1004.5
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	ALLOWANCE	AREA	OCCUPANTS	
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	570 SF	2	
ASSEMBLY WITH FIXED SEATS	SEE PLAN	-	32	
ASSEMBLY W/OUT FIXED SEATS STANDING SPACE	5 NET	195 SF	39	
BUSINESS AREAS	150 GROSS	64 SF	1	
KITCHENS, COMMERCIAL	200 GROSS	1,326 SF	7	
TOTAL OCCUPANCY ALLOWANCE			81	

PREPARED BY:	@2025McDonald's USA, LLC		
JAW	Mc DONALD'S USA, LLC		
STD ISSUE DATE	2025		
REVIEWED BY:	JAW		
DATE ISSUED	02/07/2025		
SHEET NO.	4584-2-WOOD/WOOD		
TITLE		2025 STANDARD BUILDING - BB20	
DESCRIPTION		WOOD BEARING WALLS WOOD ROOF TRUSS FRAMING	
SITE ID	JAWA 24-0221 7850 HWY 7B, SACHSE TX		
REV.	DATE		
BY	DESCRIPTION		

R1.1
OCCUPANCY PLAN

REGISTERED ARCHITECT
JAMES WILLIAMS, AIA
FEB 26, 2025
JAW Architects, Inc.
James Williams, Architect
Phone 817-765-3387
Email: jwilliams@jaws.com



1
R1.2) EXITING/EGRESS PLAN
1/4"=1'-0"

OCCUPANCY ALLOWANCE:

2021 INTERNATIONAL BUILDING CODE

TABLE 1004.5
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

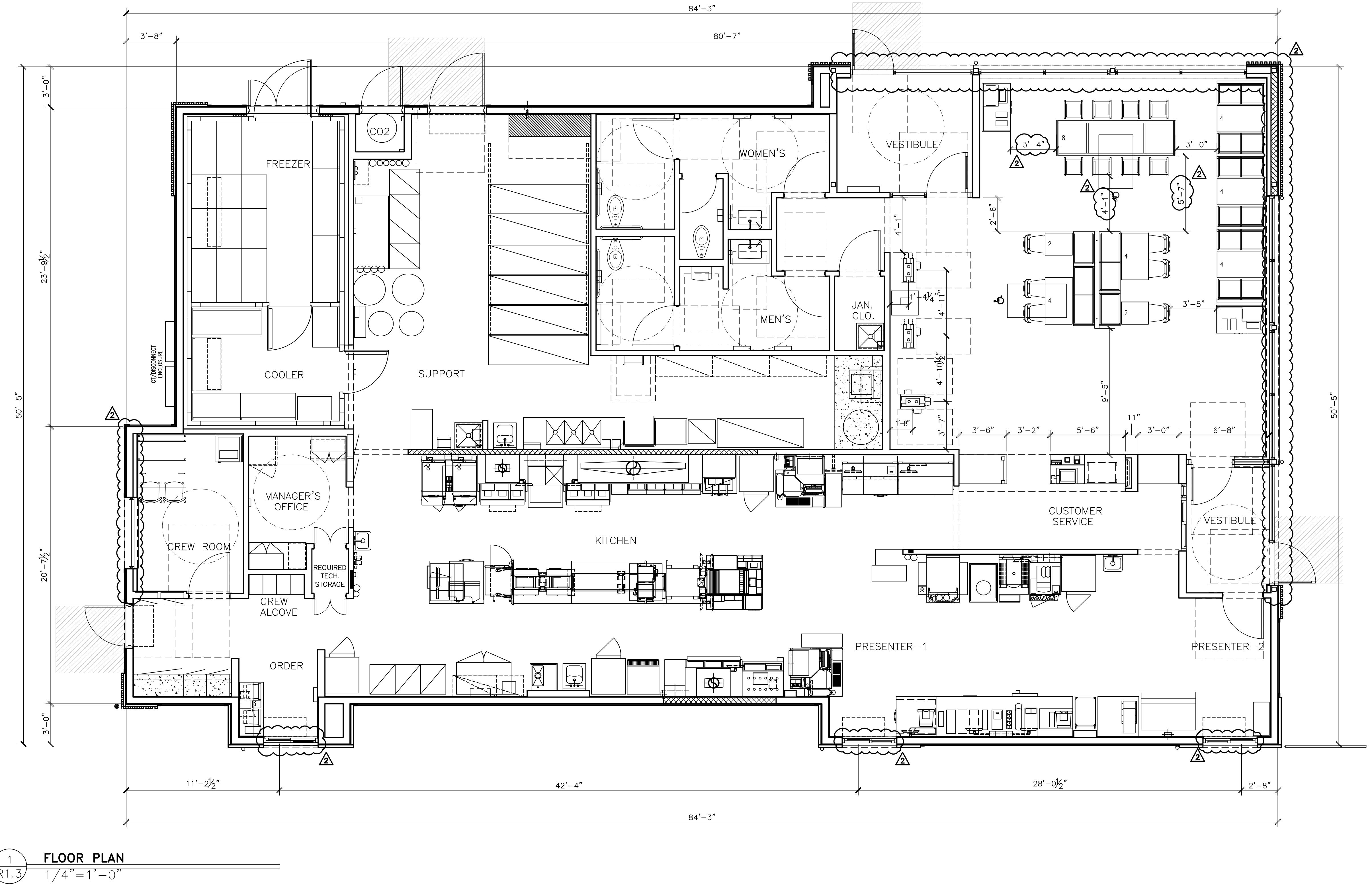
FUNCTION OF SPACE	ALLOWANCE	AREA	OCCUPANTS	
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	570 SF	2	
ASSEMBLY WITH FIXED SEATS	SEE PLAN	-	32	
ASSEMBLY W/OUT FIXED SEATS STANDING SPACE	5 NET	195 SF	39	
BUSINESS AREAS	150 GROSS	64 SF	1	
KITCHENS, COMMERCIAL	200 GROSS	1,326 SF	7	
TOTAL OCCUPANCY ALLOWANCE			81	

PREPARED BY:	@2025McDonald's USA, LLC		
JAW			
STD ISSUE DATE:	05/09/2025		
REVIEWED BY:	McD QC COMMENTS/ FAÇADE REDESIGN/ TRASH ENCLOSURE UPDATE		
DATE ISSUED:	07/07/2025 CITY COMMENTS		
SITE ID:	4584-2-WOOD/WOOD		
DESCRIPTION:	WOOD BEARING WALLS WOOD ROOF TRUSS FRAMING		
REV:	R1.2		
BY:	Jenny Williams, Architect Phone: 817-765-3387 Email: JennyWilliams@jaw.com		

R1.2

EXITING PLAN

JAWA 24-0221



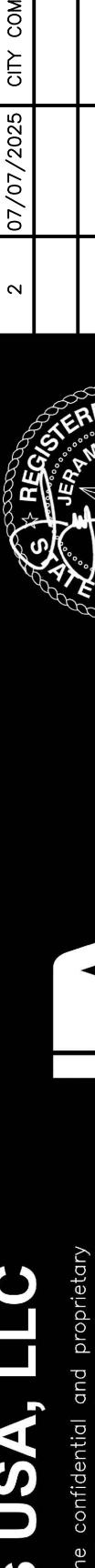
4584 - WW PLAN

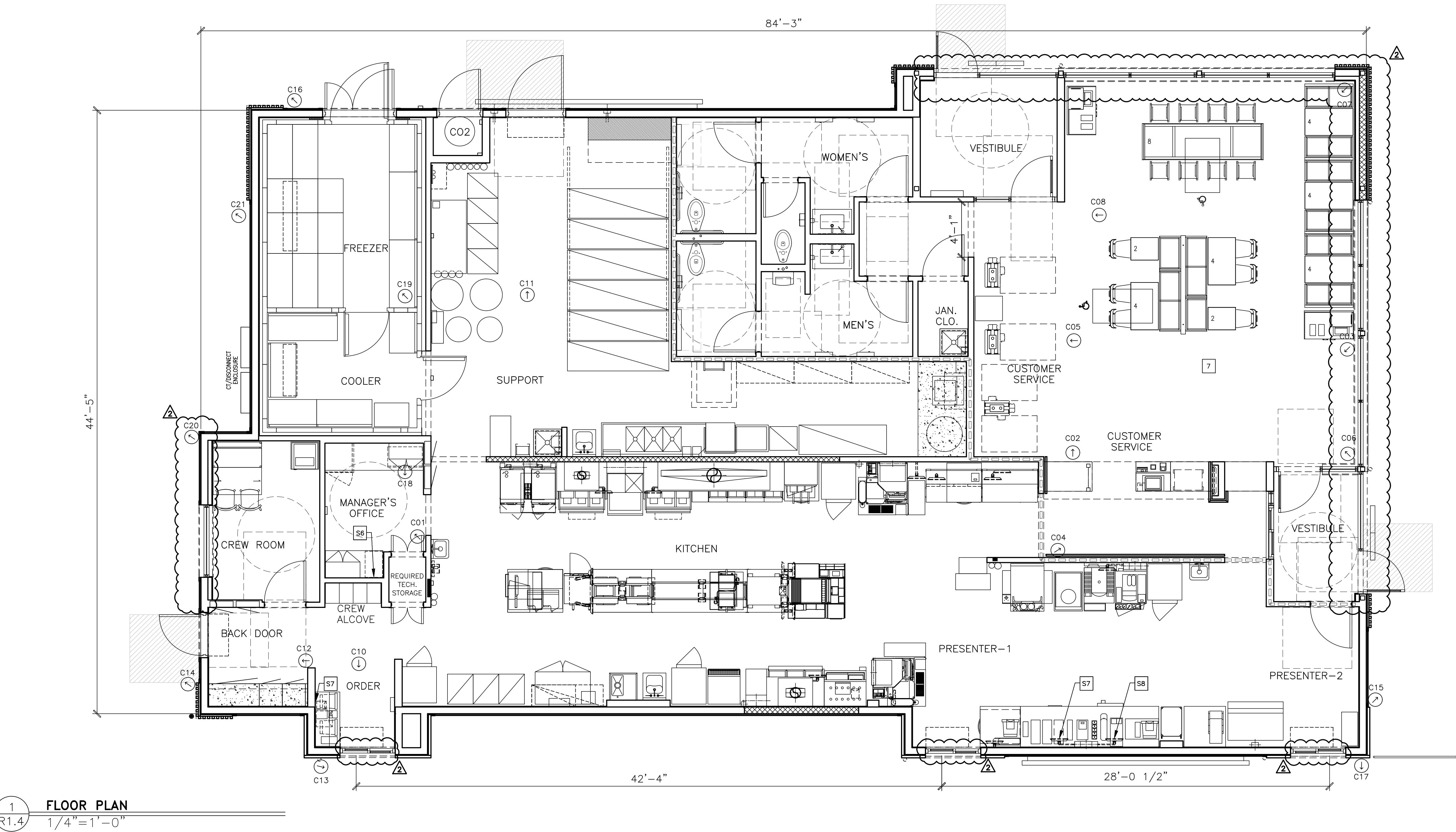
3,933 GROSS SQ. FT. / 3,710 NET SQ. FT.

32 SEATS (2 ACCESSIBLE SEATS)

**THIS DRAWING IS
FOR REFERENCE ONLY
NOT FOR CONSTRUCTION**

SEATING LAYOUT IS SCHEMATIC, THE FINAL
SEATING LAYOUT TO BE PROVIDED BY OTHERS.

SHEET NO.		24-0221		JAWA	
FILE NUMBER		4584-WOOD/WOOD		2025 STANDARD BUILDING - BB20	
DESCRIPTION		WOOD BEARING WALLS WOOD ROOF TRUSS FRAMING		McDonald's USA, LLC	
SITE ID	SITE ADDRESS	042-3536	7890 HWY 78, SACHSE TX	STD ISSUE DATE	JAW 2025
REVIEWED BY	JAW	DATE ISSUED	02/07/2025	REV	DATE
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   <p>R 1.3 SEATING PLAN</p>					
<p style="text-align: right;">Phone: 817-705-3387 Email: jeremy@jaw-arch.com</p> <p style="text-align: right;">Jeremy Williams, Architect</p>					
					
<p style="text-align: right;">BY</p>					



IP-CCTV SCHEDULE:

CAMERA #	RESTAURANT AREA - CAMERA FOV	MODEL
1	OFFICE SAFE	QND-6011
2	PRIMARY CUSTOMER ENTRANCE	QND-6011
3	SECONDARY CUSTOMER ENTRANCE	QND-6011
4	FRONT COUNTER / REGISTERS	QND-6011
5	KIOSKS	QND-6011
6	MAIN DINING / LOBBY	QND-6011
7	MAIN DINING / LOBBY 2	QND-6011
8	RESTROOM ENTRANCE / SIDE DINING	QND-6011
9	PLAY PLACE INTERIOR / EXTERIOR (IF APPLICABLE)	QND-6011/QNV-6012RI
10	CASH BOOTH ID	QND-6011
11	SIDE DELIVERY DOOR	QND-6011
12	DELIVERY BACKDOOR	QND-6011
13	DT LICENSE PLATE	QNV-6012RI
14	TRASH CORRAL	QNV-6012RI
15	FRONT PARKING LOT VIEW / CURBSIDE	QNV-6012RI
16	GENERAL PARKING LOT / DRIVE THRU ENTRANCE	QNV-6012RI
17	GENERAL PARKING LOT / DRIVE THRU EXIT / PULL FORWARD	QNV-6012RI
18	NETWORK CLOSET	QND-6011
19	FREEZER	QNV-6012RI
20	DANGER ZONE	QNV-6012RI
21	MERGE POINT	QNV-6012RI

IP-CCTV NOTES:

- C1. GC TO CONSULT OWNER OPERATOR (O/O) FOR PREFERRED SECURITY LEVEL. REFER TO THE U.S. IP-CCTV MINIMUM REQUIREMENT FIELD OF VIEW (FOV) GUIDE. REFER TO PLUS UP GUIDE FOR OTHER OPTIONAL SECURITY FEATURES. MCDONALD'S US SECURITY REFERENCE GUIDE AVAILABLE ON @MCD US SECURITY WEBSITE.
- C2. GC TO COORDINATE INSTALLATION WITH SECURITY INSTALLER.
- C3. FOR IP-CCTV SPECIFICATIONS REFER TO THE U.S. IP-CCTV MINIMUM REQUIREMENT FIELD OF VIEW (FOV). MCDONALD'S US SECURITY REFERENCE GUIDE AVAILABLE ON @MCD US SECURITY WEBSITE.
- C4. ROUTE DATA CABLE IN ACCORDANCE TO THE LOW VOLTAGE CABLE MANAGEMENT SPECIFICATION ON E1.0.
- C5. PARKING LOT IP-CCTV PLACEMENT WILL VARY BASED ON SITE LAYOUT. VERIFY IN FIELD.
- C6. ADJUST INTERIOR IP-CCTV LOCATIONS BASED ON CEILING ELEMENTS AND DECOR PACKAGE SELECTED TO MAINTAIN FOV IN REFERENCE GUIDE.
- S1. IP-CCTV CAMERA SYSTEM SHALL BE SERVER BASED AND HOUSED IN THE O/O EQUIPMENT RACK (221.09) SEPARATE FROM THE POS RACK. EQUIPMENT TO BE POWERED FROM O/O EQUIPMENT RACK PDU (900W).
- S2. O/O EQUIPMENT WILL HAVE ITS OWN PATCH PANELS AND SWITCHES. DO NOT CONNECT TO THE POS SWITCHES.
- S3. CAMERAS ARE POWERED OVER ETHERNET (POE) AND ARE POWERED FROM A POE SWITCH.
- S4. CAMERA PLACEMENTS AND VIEWS SHALL ADHERE TO THE MCD US IP-CCTV MINIMUM STANDARD DOCUMENT.
- S5. ALERT CAPABILITY TO BE PROVIDED FOR BACK DOOR EVENTS.
- S6. 32 IN. MONITOR TO BE INSTALLED AT MANAGERS DESK. MONITOR TO BE CONFIGURED TO DISPLAY NINE VIEWS DETERMINED BY THE O/O WITH THE ABILITY TO DISPLAY ALL CAMERA VIEWS.
- S7. 24 IN. MONITOR TO BE INSTALLED TO DISPLAY MERGE POINT, DANGER ZONE, AND CURBSIDE CAMERAS. SEE 217.13 ON ELECTRICAL SHEETS.
- S8. 24 IN. MONITOR TO DISPLAY PULL FORWARD CAMERA. SEE 217.13 ON ELECTRICAL SHEETS.

LISTED BELOW ARE MCDONALD'S APPROVED IP-CCTV CAMERAS HANWHA QND-6011/R1. THESE SPECIFICATIONS MUST BE MET OR EXCEEDED BY THE BELOW SPECIFICATIONS.

- HANWHA QND-6011
BEST FOR ENVIRONMENTAL AREAS SUCH AS DRIVE-THRU, PARKING LOT, AND FREEZER/WALK-IN COOLER AREAS
1. MAXIMUM 2MEGAPIXEL (1920 x 1080) RESOLUTION
2. 0.03LUX (COLOR), 0LUX (B/W, IR LED ON)
3. 2.8MM FIXED LENS
4. MAXIMUM 30FPS@2MP ALL RESOLUTIONS (H.265/H.264)
5. H.265, H.264, MJPEG CODEC SUPPORTED
6. ONVIF PROFILE S, ONVIF PROFILE G, AND ONVIF PROFILE T
7. MULTIPLE, INDIVIDUALLY CONFIGURABLE VIDEO STREAMS
8. FULL NDAA COMPLIANCE
9. MOTION DETECTION, TAMPERING, DEFOCUS DETECTION
10. HALLWAY VIEW (90/270), LDC SUPPORT
11. MICRO SD/SDHC/SDXC MEMORY SLOT (MAX. 128GB)
12. IR VIEWABLE LENGTH 20M
13. IP66, IK10, POE, 12VDC
14. IP42, IK08 RATED
15. LDC SUPPORT (LENS DISTORTION CORRECTION)
16. GENETEC STRATOCAST COMPATIBLE

RECOMMENDED IP-CCTV VENDORS:

- UAS
PHONE: 800-421-6661
EMAIL: CHRIS.MCGURK@UAS.COM

WACHTER
PHONE: 800-462-9638
EMAIL: MCDINSIDESALES@WACHTER.COM

VIDEO MANAGEMENT SOFTWARE SPECIFICATIONS:

THE MINIMUM TECHNICAL SPECIFICATIONS THAT ANY NEW VMS SYSTEM MUST MEET ARE LISTED BELOW.

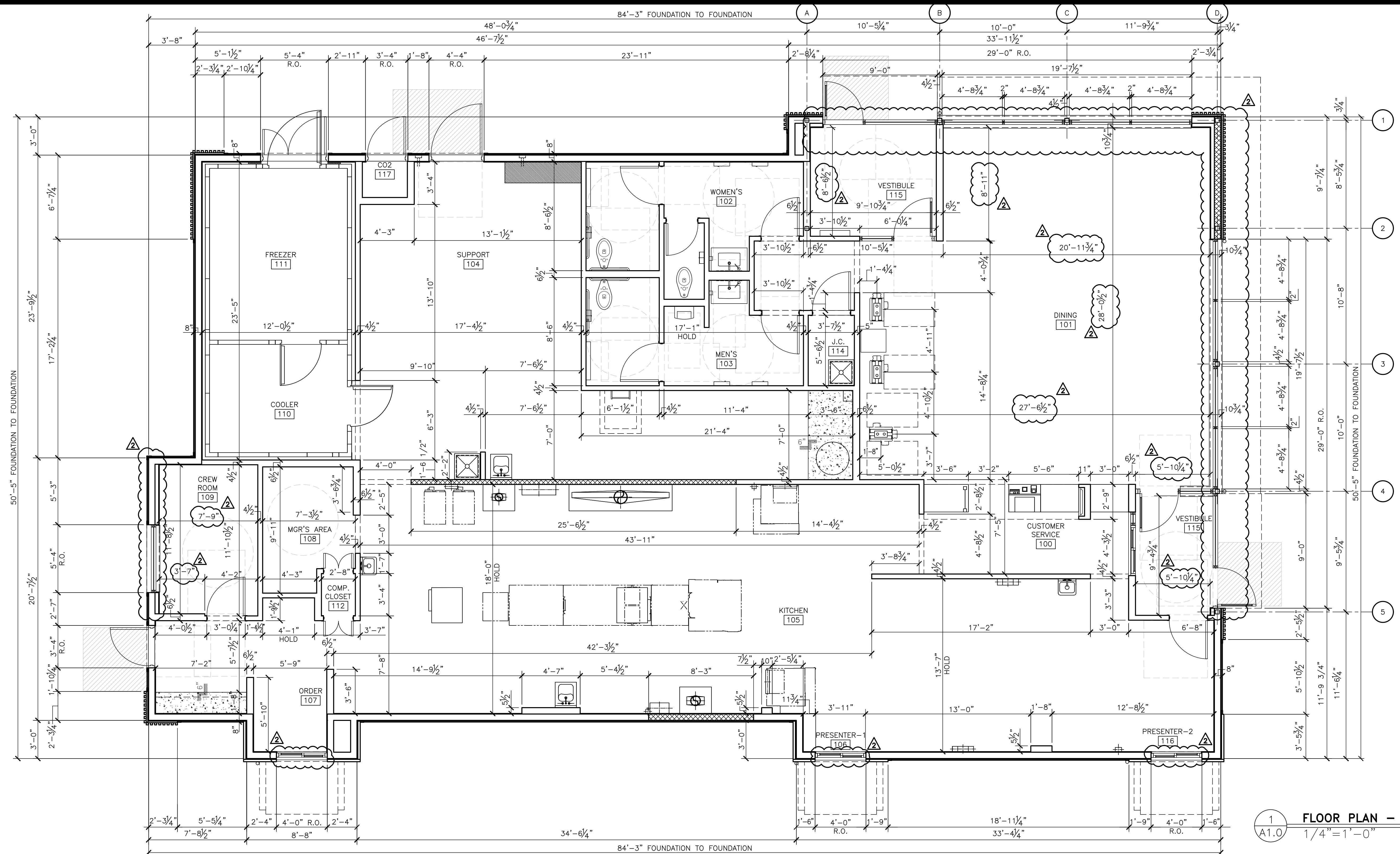
- VIDEO RETENTION: AT LEAST 30 DAYS OF STORAGE*
- CROSS-PLATFORM: LINUX (UBUNTU, CENTOS, REDHAT) OR WINDOWS (CLIENT, SERVER)
- WEB BROWSER BASED: NO CLIENT SOFTWARE NEEDED – ACCESS ANYWHERE FROM ANYWHERE (PC, MAC, OR MOBILE)
- QUICK SOFTWARE INSTALLATION: 5 MINUTES OR LESS (NO WINDOWS DEPENDENCIES)
- SECURE: SRTP ENCRYPTED VIDEO TRANSMISSION, HTTPS SECURE USER INTERFACE
- NETWORK OPTIMIZED: PEER-TO-PEER VIDEO TRANSMISSION ACROSS SUBNETS W/ WEBRTC
- SCALABILITY: FEDERATE TO EITHER THE ENTERPRISE OR CLOUD
- SOFTWARE INDEPENDENT: X86_64, ARM, MIPS (APPLIANCES, SERVERS, IOT DEVICES)
- APPLICATION PARTNER PLATFORM: THIRD-PARTY API BASED INTEGRATION PLATFORM

*DATA AND IMAGE RETENTION SHOULD FOLLOW LOCAL OR COUNTRY DATA PROTECTION STANDARDS AND REGULATIONS. IT IS RECOMMENDED THAT ORGANIZATIONS HAVE A RETENTION POLICY. THEY SHOULD ONLY KEEP THE IMAGES FOR AS LONG AS NECESSARY TO MEET THE PURPOSE OF RECORDING THEM. IN THE ABSENCE OF STANDARDS AND REGULATIONS, BEST PRACTICES SUGGEST RETAINING IMAGES FOR A MINIMUM OF 30 DAYS IN A SECURE FORMAT BEFORE THEY ARE DELETED OR OVERWRITTEN.

PREPARED BY:	
1	05/09/2025 McD QC COMMENTS/ FAÇADE REDESIGN / TRASH ENCLOSURE UPDATE
2	07/07/2025 CITY COMMENTS
DRAWN BY: JAW DATE: 2025	
TITLE: 2025 STANDARD BUILDING - BB20	
DESCRIPTION: WOOD/WOOD	
DRAWN BY: JAW DATE: 07/07/2025	
TITLE: 4584 - WOOD/WOOD	
DESCRIPTION: WOOD BEARING WALLS WOOD ROOF TRUSS FRAMING	
SITE ADDRESS: 4584 Hwy 7B, Sachse TX	
SITE ID: 042-3536	
SHEET NO.: R1.4	
IP-CCTV PLAN	
BY: JAW	

REGISTERED ARCHITECT
JAMES M. WILLIAMS, AIA, LEED AP
FEB 26
JAW Architects, Inc.
James Williams, Architect
Phone: 817-765-3387
Email: James@jawsavv.com

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KEY NOTES

- [C] ALUMINUM CANOPY SYSTEM ABOVE - SEE 4/A5.0 FOR NOTES - SEE ROOF PLAN FOR DIMENSIONS, SEE ELEVATION FOR COLORS
- [CG] G.C. TO PROVIDE 4'x4"x5'-0" HIGH STAINLESS STEEL CORNER GUARDS AT ALL EXPOSED LOCATIONS IN KITCHEN/SUPPORT AREA. CORNER GUARDS TO START AT FINISH FLOOR. ATTACH WITH SPECIALTY SCREW AND ANCHORS INTO TILE. BULLNOSE COVE BASE WHERE TILE MEETS STAINLESS STEEL CORNER.
- [CP] CONCRETE EQMT PAD - SEE STRUCTURAL
- [CT] WALL FINISH: PER DECOR PORTFOLIO SEE A3.1 AND A6.1 FOR FINISH INFORMATION
- [CT] WALL TILE: CROSSVILLE - COLOR BY NUMBERS COLOR: AFTERNOON SPRAY, SIZE: 4"x12", PATTERN: STACKED BOND GROUT: MAPEI O2 PEWTER - JOINT TO BE $\frac{1}{8}$ " MAX. USE THIS TILE WHEN HIGH LRV IS REQUIRED. COORDINATE WITH MCDONALD'S AREA CONSTRUCTION MANAGER
- [DO] DOWNSPOUT CONNECTED TO CANOPY SYSTEM. SEE ELEVATIONS. COORDINATE CONNECTION WITH CIVIL.
- [DS] DROPPED SOFFIT ABOVE - SEE REFLECTED CEILING PLAN
- [D#] DECOR PORTFOLIO SPECIFIC ELEMENT - SEE FINISH SCHEDULE.

- [FB] CO2 FILL BOX (EQUIPMENT SCHEDULE ITEM 49.00) CO2
- [FB] OPTIONAL BULK OIL FILL BOX (EQPM SCHEDULE ITEM 700.18) CONFIRM USE WITH MCDONALD'S AREA CONSTRUCTION MANAGER BO
- [FL] FLOOR LINE - CHANGE IN MATERIAL - SEE DECOR DRAWINGS
- [FP] FIBERGLASS REINFORCED PLASTIC (FRP) - PANOLAM, GRAY SMOOTH, CLASS A, .075. REFER TO ROOM FINISH SCHEDULE SHEET A6.1 FOR INSTALLATION LOCATIONS. FOR ORDERING, CONTACT KIMBERLY LAWSON Kimberly_Lawson@panolam.com 1-866-925-4377
- [LL] LEVEL LANDING @ EXT. DOOR W/ MAX. 2% RUNNING/CROSS SLOPE AWAY FROM BUILDING 5'x5"
- [LW] SIZE OF LANDING LATE-NIGHT WINDOW (OPTIONAL) BY READYACCESS, MANUAL OPEN/SELF CLOSE. SEE SHEET A3.1 FOR NOTES.
- [MS] MOP SINK - SEE DETAIL 8/A6.1 AND PLUMBING DRAWINGS.
- [RL] ROOF ACCESS LADDER W/HATCH ABOVE SEE STRUCTURAL FRAMING PLAN FOR LOCATING DIMENSIONS
- [AL] ALUMINUM BATTEN SYSTEM. REFERENCE DETAIL 16/A4.1
- [W#] EXTERIOR WINDOW ASSEMBLY - TEMPERED GLASS SEE ELEVATIONS FOR COLOR SEE SHEET A6.0

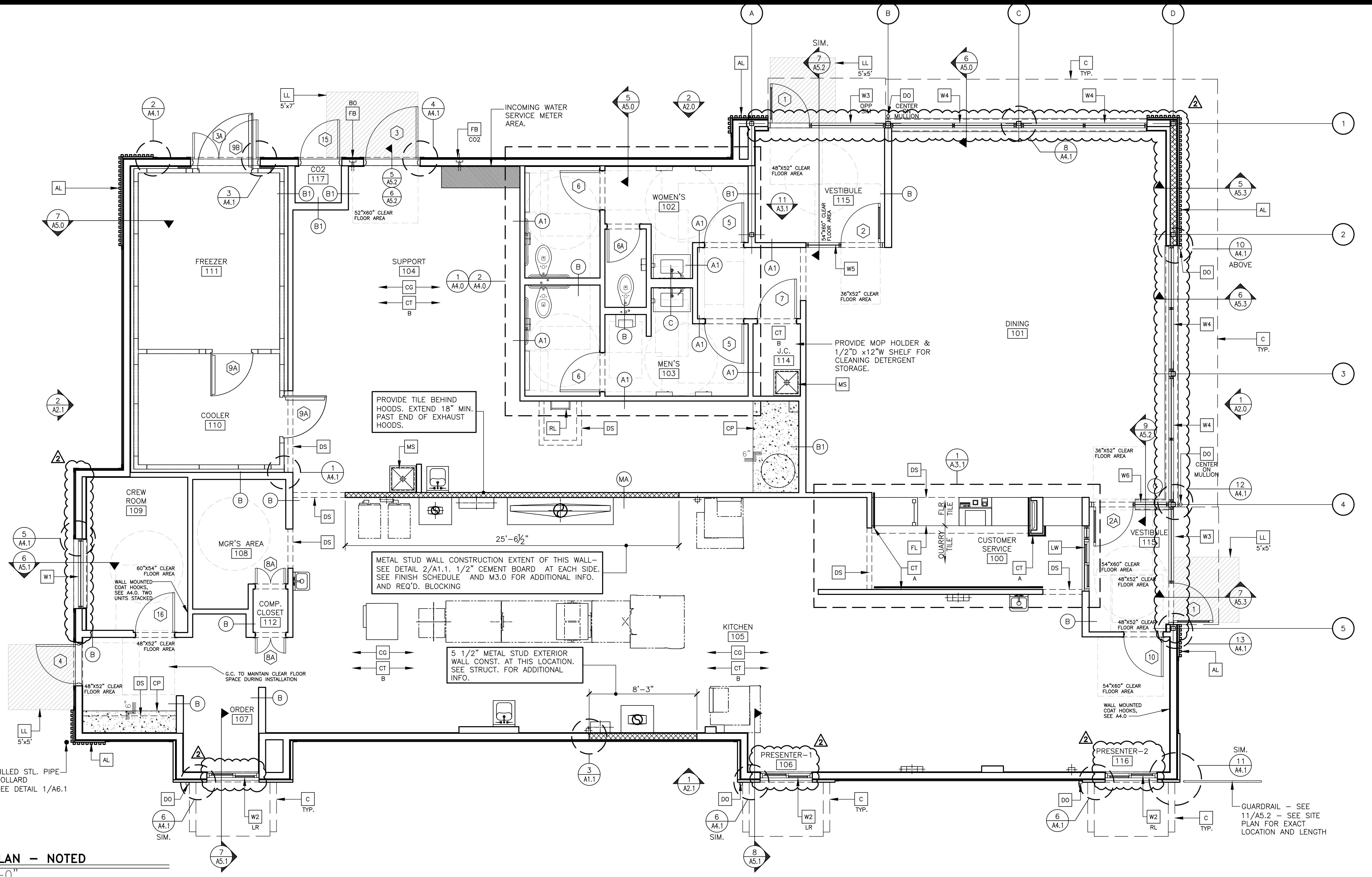
SYMBOL LEGEND

- (A) PARTITION TYPE TAG SEE 2/A1.1
- (X) KEY NOTE
- (7) DOOR TAG - SEE DOOR SCHEDULE ON A6.0
- (—) DRAFT STOPPING SEE 2/A1.2

GENERAL NOTES

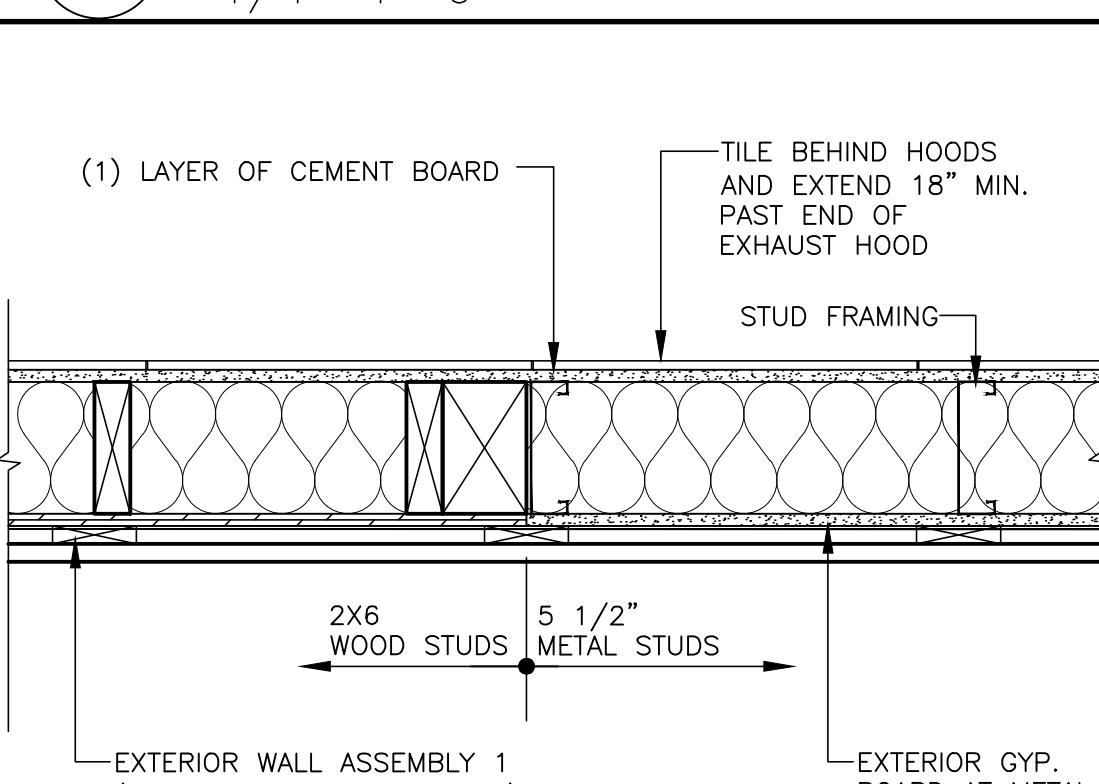
- EXTERIOR DIMENSIONS ARE TO COLUMN REFERENCE LINES AND EXTERIOR FACE OF FOUNDATION UNLESS OTHERWISE NOTED. INTERIOR DIMENSIONS ARE TO FACE OF INTERIOR WALL BOARD.
- SEE 4/A5.0 FOR EXTERIOR WALL ASSEMBLY TYPES. SEE 2/A1.1 FOR INTERIOR PARTITION TYPES. INTERIOR PARTITIONS ARE TYPE 'A' UNLESS NOTED OTHERWISE.
- SEE EXTERIOR ELEVATIONS FOR WINDOW TYPES
- SEE SHEET A6.0 FOR DOOR AND ROOM FINISH SCHEDULES
- SEE SITE PLAN FOR SIDEWALKS, RAMPS, ETC.
- GC TO PROVIDE MAXIMUM OCCUPANCY SIGN AND ADA SIGNAGE PACKAGE AND INSTALL SIGNS AT LOCATIONS AND POSITIONS INDICATED IN PACKAGE OR AS REQUIRED BY LOCAL CODES. SIGNAGE PACKAGE SUPPLIED BY: FRANKE/S2K 1-800-423-5247 www.frankeSupply.com email: fs-frankesupply@franke.com
- ALL HANDSINK LOCATIONS SHALL HAVE CEMENT BOARD BACKING 48" IN HEIGHT A.F.F.
- GC TO COORDINATE ALL REQUIRED BLOCKING FOR WALL HUNG EQUIPMENT, SHELVES, ETC. FOR PROPER INSTALLATION HEIGHTS.
- KNOX BOX TO BE INSTALLED PER LOCAL CODE AS REQUIRED. MODEL AND LOCATION TO BE COORDINATED WITH FIRE MARSHALL.

SHEET NO.	TITLE	2025 STANDARD BUILDING - BB20
4584	2	WOOD/WOOD
DESCRIPTION		
WOOD BEARING WALLS		
WOOD ROOF TRUSS FRAMING		
SITE ID	SITE ADDRESS	402-356 7850 HWY 75, SACHSE TX
SITE ADDRESS		
JAWA 24-0221		
A1.0		
FLOOR PLAN		



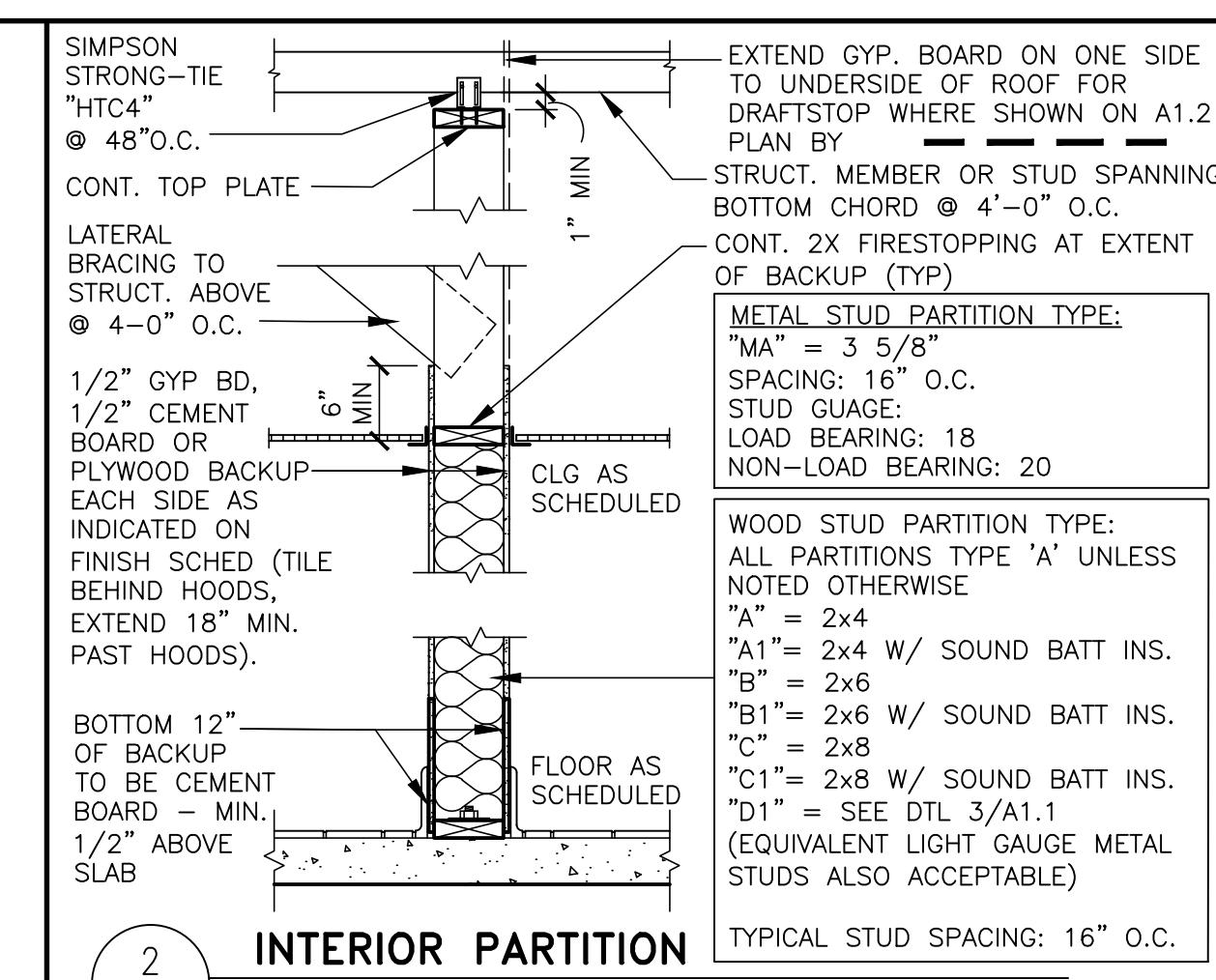
FLOOR PLAN - NOTED

A1.1 1/4"=1'-0"



TRANSITON DETAIL

A1.1 1 1/2"=1'-0"



INTERIOR PARTITION

A1.1 3/4"=1'-0"

KEY NOTES

- [A] ALUMINUM CANOPY SYSTEM ABOVE - SEE 4/A5.0 FOR NOTES - SEE ROOF PLAN FOR DIMENSIONS, SEE ELEVATION FOR COLORS
- [B] G.C. TO PROVIDE 4'x4"x5"-0" HIGH STAINLESS STEEL CORNER GUARDS AT ALL EXPOSED LOCATIONS IN KITCHEN/SUPPORT AREA. CORNER GUARDS TO START AT FINISH FLOOR. ATTACH WITH SPECIALTY SCREW AND ANCHORS INTO TILE. BULLNOSE COVE BASE WHERE TILE MEETS STAINLESS STEEL CORNER.
- [C] CONCRETE EQMT PAD - SEE STRUCTURAL
- [D] WALL FINISH: PER DECOR PORTFOLIO
- [E] WOOD STUD PARTITION TYPE: ALL PARTITIONS TYPE 'A' UNLESS NOTED OTHERWISE
- [F] COLOR: AFTERNOON SPRAY, SIZE: 4"x12", PATTERN: STACKED BOND GROUT: MAPEI O2 PEWTER - JOINT TO BE $\frac{1}{8}$ " MAX. USE THIS TILE WHEN HIGH LRV IS REQUIRED
- [G] COORDINATE WITH MCDONALD'S AREA CONSTRUCTION MANAGER
- [H] DOWNSPOUT CONNECTED TO CANOPY SYSTEM. SEE ELEVATIONS.
- [I] DROPPED SOFFIT ABOVE - SEE REFLECTED CEILING PLAN
- [J] DECOR PORTFOLIO SPECIFIC ELEMENT - SEE FINISH SCHEDULE.

- [FB] CO2 FILL BOX (EQUIPMENT SCHEDULE ITEM 49.00)
- [CO2]
- [FB] OPTIONAL BULK OIL FILL BOX (EQUIPMENT SCHEDULE ITEM 700.18)
- [BO] CONFIRM USE WITH MCDONALD'S AREA CONSTRUCTION MANAGER
- [FL] FLOOR LINE - CHANGE IN MATERIAL - SEE DECOR DRAWINGS
- [FP] FIBERGLASS REINFORCED PLASTIC (FRP) - PANOLAM, GRAY SMOOTH, CLASS A, .075. REFER TO ROOM FINISH SCHEDULE SHEET A6.1 FOR INSTALLATION LOCATIONS. FOR ORDERING, CONTACT KIMBERLY LAWSON Kimberly_Lawson@panolam.com 1-866-925-4377
- [LL] LEVEL LANDING @ EXT. DOOR W/ MAX. 2% RUNNING/CROSS SLOPE
- [LL] 5'x5' SIZE OF LANDING
- [LW] LATE-NIGHT WINDOW (OPTIONAL) BY READYACCESS, MANUAL OPEN/SELF CLOSE. SEE SHEET A3.1 FOR NOTES.
- [MS] MOP SINK - SEE DETAIL 8/A6.1 AND PLUMBING DRAWINGS.
- [RL] ROOF ACCESS LADDER W/HATCH ABOVE SEE STRUCTURAL FRAMING PLAN FOR LOCATING DIMENSIONS
- [AL] ALUMINUM BATTEEN SYSTEM. REFERENCE DETAIL 16/A4.1
- [W#] EXTERIOR WINDOW ASSEMBLY - TEMPERED GLASS SEE ELEVATIONS FOR COLOR

SYMBOL LEGEND

- [A] PARTITION TYPE TAG SEE 2/A1.1
- [X] KEY NOTE
- [7] DOOR TAG - SEE DOOR SCHEDULE ON A6.0
- [—] DRAFT STOPPING SEE 2/A1.2

GENERAL NOTES

- EXTERIOR DIMENSIONS ARE TO COLUMN REFERENCE LINES AND EXTERIOR FACE OF FOUNDATION UNLESS OTHERWISE NOTED. INTERIOR DIMENSIONS ARE TO FACE OF INTERIOR WALL BOARD.
- SEE 4/A5.0 FOR EXTERIOR WALL ASSEMBLY TYPES. SEE 2/A1.1 FOR INTERIOR PARTITION TYPES. INTERIOR PARTITIONS ARE TYPE 'A' UNLESS NOTED OTHERWISE.
- SEE EXTERIOR ELEVATIONS FOR WINDOW TYPES
- SEE SHEET A6.0 FOR DOOR AND ROOM FINISH SCHEDULES
- SEE SITE PLAN FOR SIDEWALKS, RAMPS, ETC.
- G.C. TO PROVIDE MAXIMUM OCCUPANCY SIGN AND ADA SIGNAGE PACKAGE AND INSTALL SIGNS AT LOCATIONS AND POSITIONS INDICATED IN PACKAGE OR AS REQUIRED BY LOCAL CODES. SIGNAGE PACKAGE SUPPLIED BY: FRANKE/S2K 1-800-423-5247 www.franke-supply.com email: fs-frankesupply.us@franke.com
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McDonald's USA, LLC

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PREPARED BY: JAW DATE: 07/07/2025

MCD QC COMMENTS/ FAÇADE REDESIGN/ TRASH ENCLOSURE UPDATE

CITY COMMENTS

1 05/09/2025

2 07/07/2025

REV. DATE

1

JAW

REGISTERED ARCHITECT
AMY WILLIAMS, S.A.I.D.
STATE OF TEXAS
FEB 26
JAW Architects, Inc.
Amy Williams, Architect
Phone 817-765-3387
Email amyw@jawsinc.com

BY:

JAW

1 05/09/2025

CITY COMMENTS

1 05/09/2025

2 07/07/2025

REV. DATE

1

DRAWN BY: JAW STD ISSUE DATE: 2025

REVIEWED BY: JAW

DATE ISSUED: 02/07/2025

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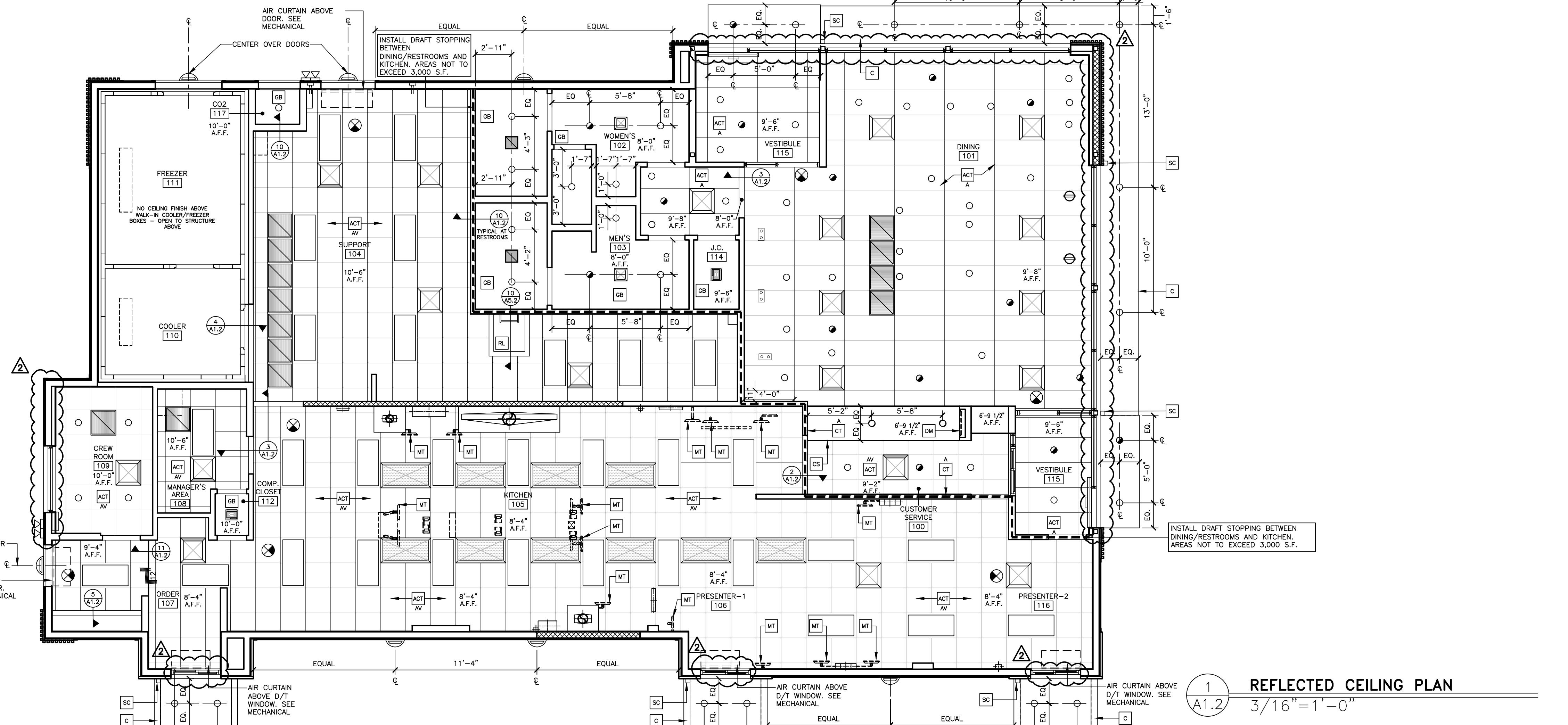
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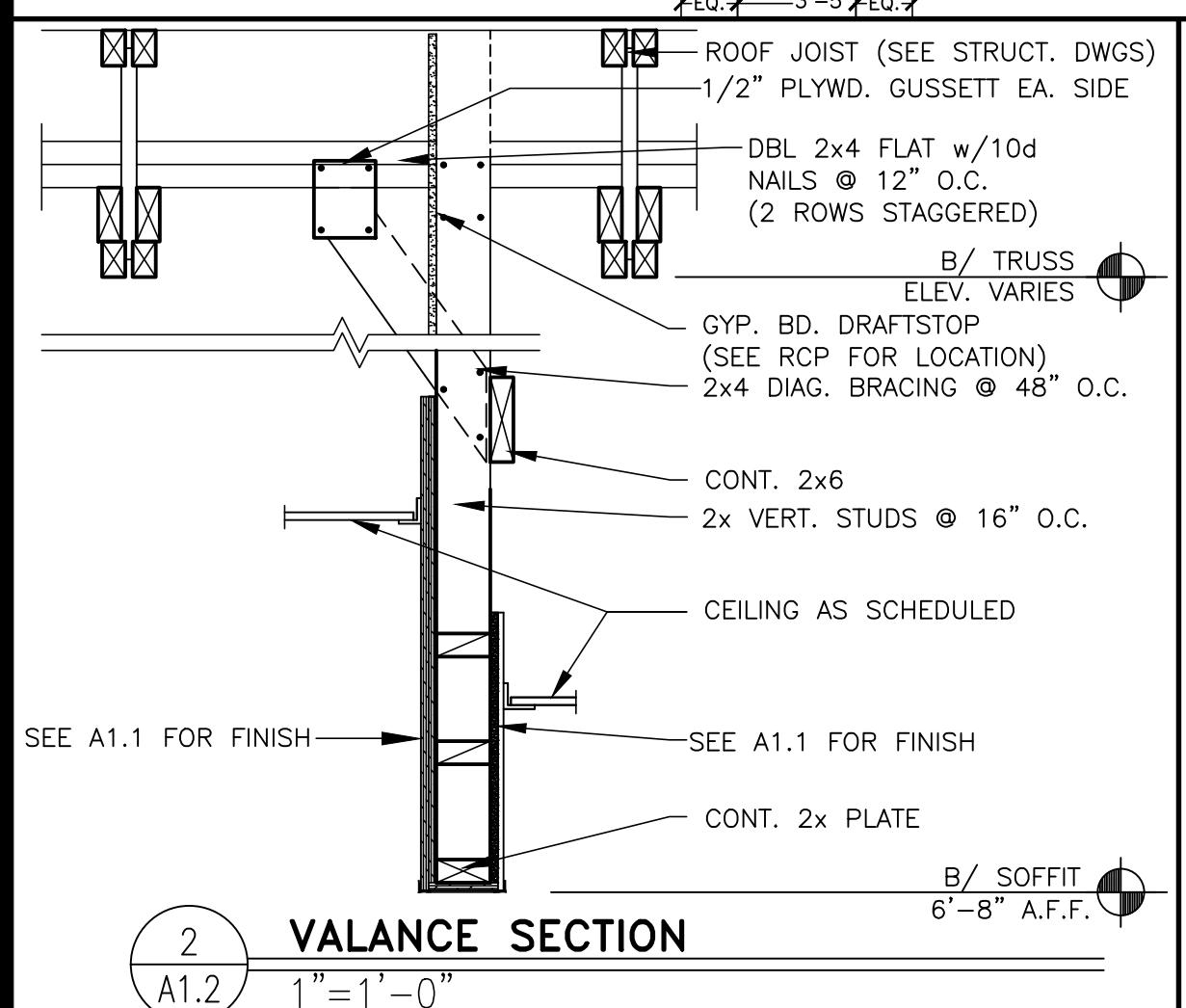


REFLECTED CEILING PLAN

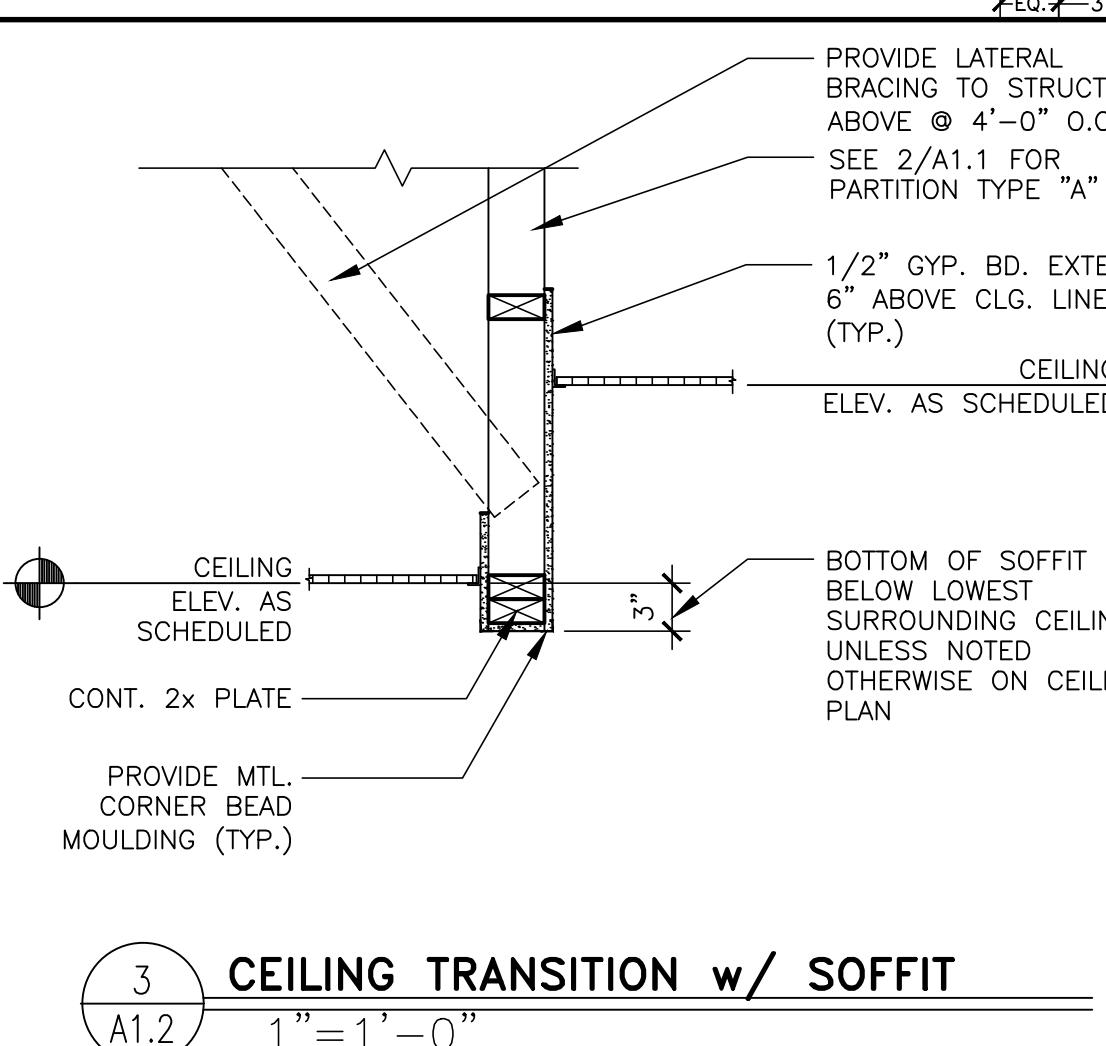
KEY NOTES	
ACT	ACOUSTICAL CEILING TILE - 24"X48". SEE FINISH SCHEDULE (USE 24"X24" TILES IN CREW ROOM AND OFFICE)
A	ACOUSTICAL CEILING TILE: VINYL FACED USG 24"X24" CLEAN ROOM CLIMA-PLUS UNPERFORATED. SMOOTH TEXTURE COLOR: WHITE GRID:USG 15/16" DX/DXL COLOR: WHITE
ACT	ALUMINUM CANOPY WITH INTEGRAL GUTTER AND SCUPPER - SEE 4/A5.0 FOR NOTES - SEE ROOF PLAN FOR DIMENSIONS - SEE ELEVATION FOR COLOR
AV	GC BUILT SOFFIT OVER FRONT COUNTER PROVIDE FINISHES PER DECOR DRAWINGS
SC	WALL FINISH: PER DECOR PORTFOLIO SEE A3.1 AND A6.1 FOR FINISH INFORMATION.
CT	WALL TILE: CROSSVILLE - COLOR BY NUMBERS COLOR: AFTERNOON SPRAY, SIZE: 4"x12", PATTERN: STACKED BOND GROUT: MAPEI 02 PEWTER - JOINT TO BE $\frac{1}{8}$ " MAX. USE THIS TILE WHEN HIGH LRV IS REQUIRED COORDINATE WITH MCDONALD'S AREA CONSTRUCTION MANAGER
A	SUSPENDED DECORATIVE CEILING TREATMENT - SEE DECOR DRAWINGS FOR ADDITIONAL INFORMATION
DM	DIGITAL MERCHANDISER
DS	DROPPED SOFFIT
DS-WH	BOTTOM TO ALIGN WITH GYP BD AT EXTERIOR WINDOW HEAD MAY BE REPLACED BY ELEMENT BY DECOR SUPPLIER - CONFIRM WITH AREA CONSTRUCTION MANAGER
GB	GYPSUM BOARD CEILING FINISH. SEE DECOR.
MT	CEILING MOUNTED MONITOR: A) VERIFY MONITOR LOCATIONS WITH MCDONALD'S PROJECT MANAGER PRIOR TO INSTALLATION. B) SEE DETAIL 6/A1.2 FOR INSTALLATION METHOD
RL	ROOF LADDER OPENING
SC	INTERGRAL GUTTER SCUPPER
DS#	DECOR PORTFOLIO SPECIFIC ELEMENT - SEE FINISH SCHEDULE.

GENERAL NOTES

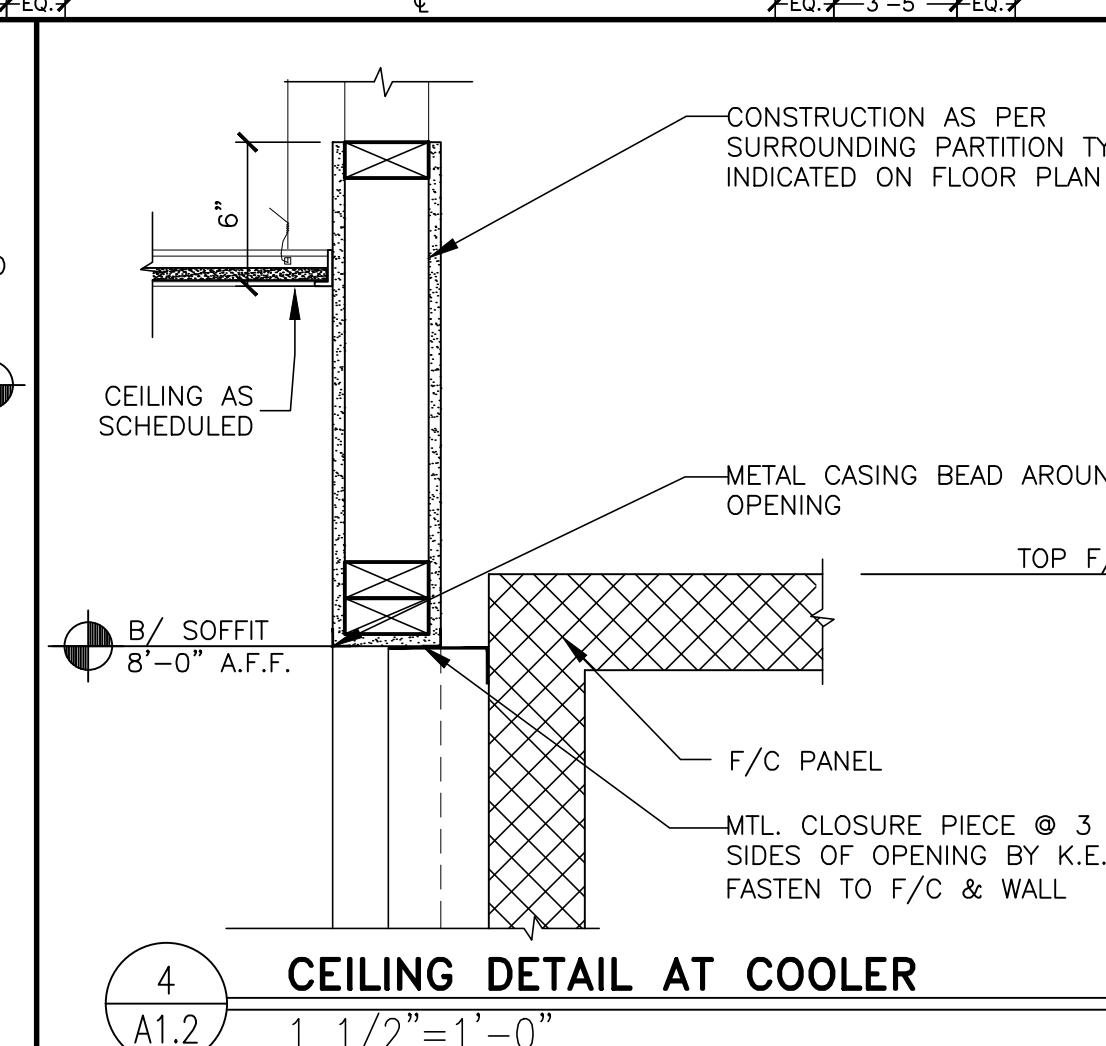
- SEE SHT A6.1 FOR CEILING FINISHES.
- GENERAL CONTRACTOR SHALL COORDINATE HVAC DIFFUSER LOCATION WITH DECOR & MECHANICAL PLANS AND REPORT ANY DISCREPANCIES TO ARCHITECT.
- REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR DIFFUSER AND LIGHTING INFORMATION.
- PROVIDE USG V15 CEILING TILE RETENTION CLIPS IN ALL VESTIBULE AREAS



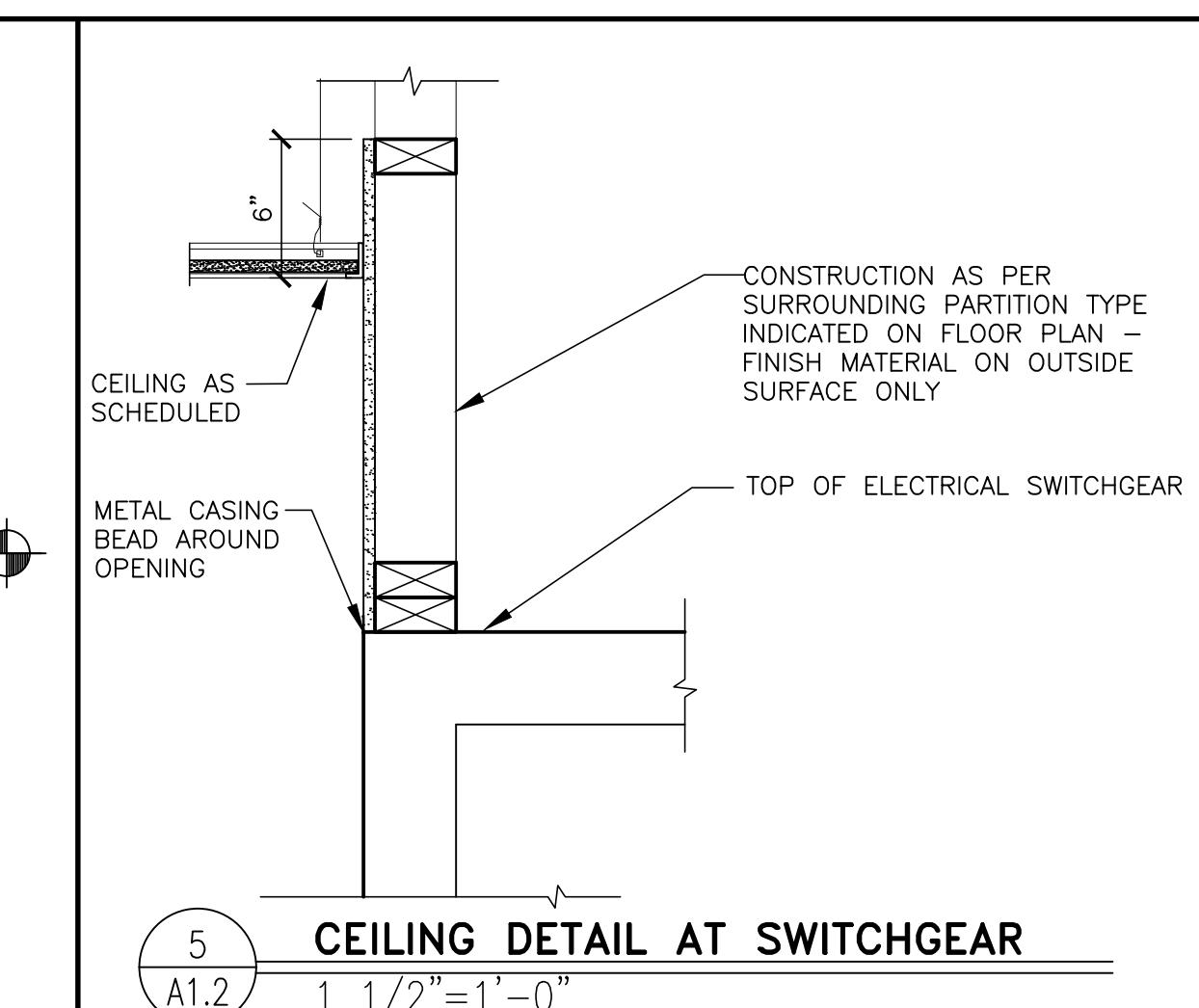
VALANCE SECTION



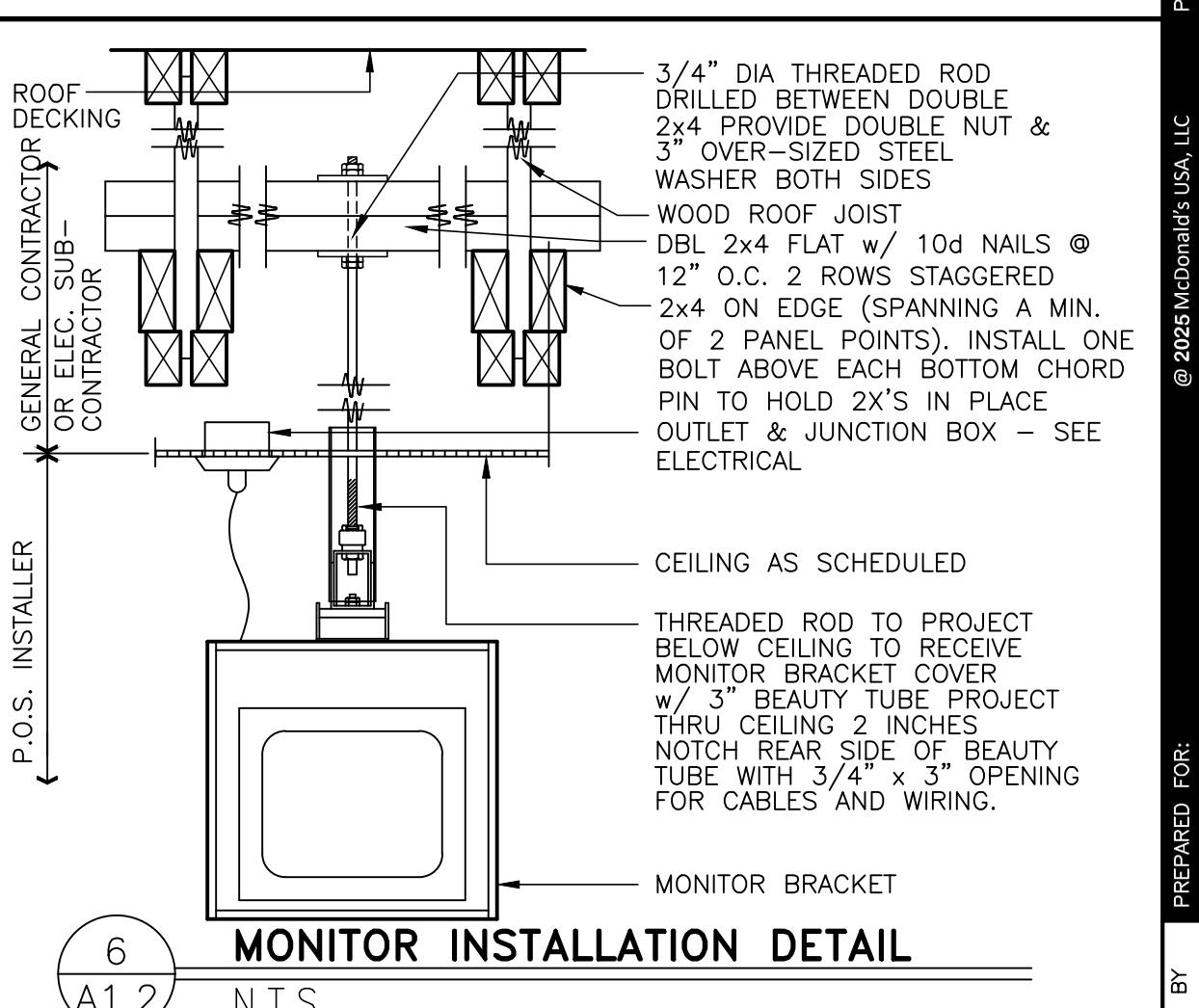
CEILING TRANSITION w/ SOFFIT



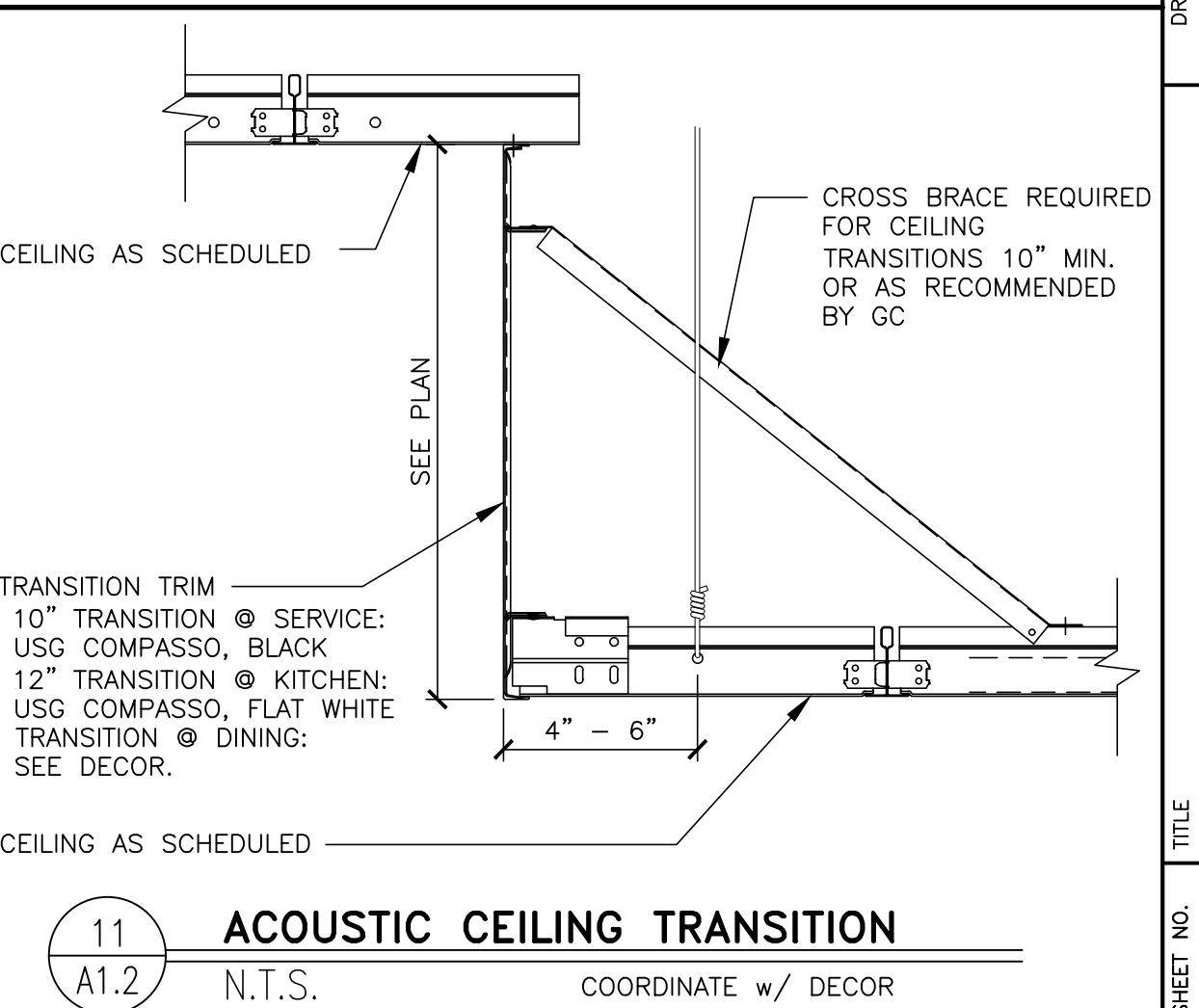
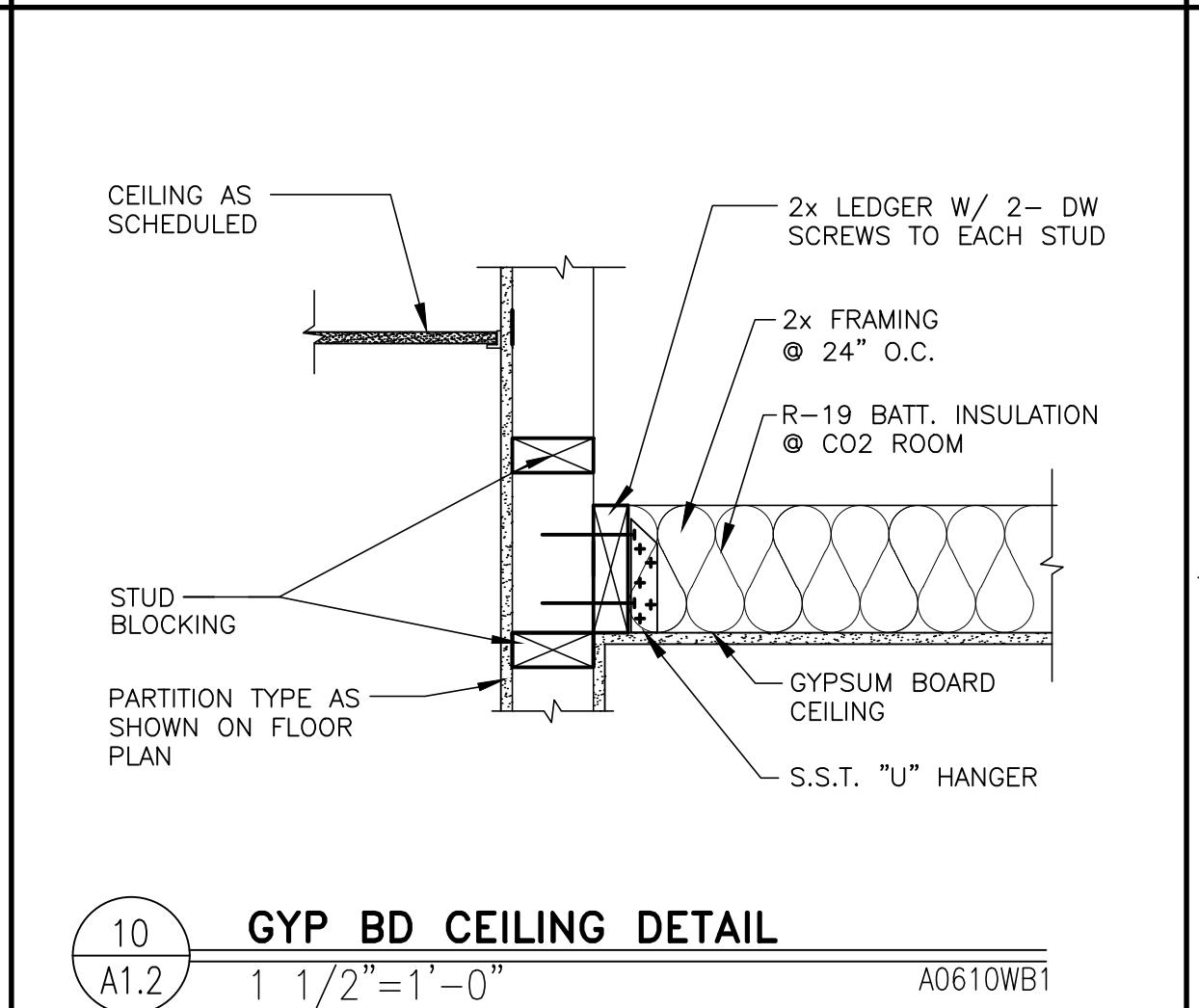
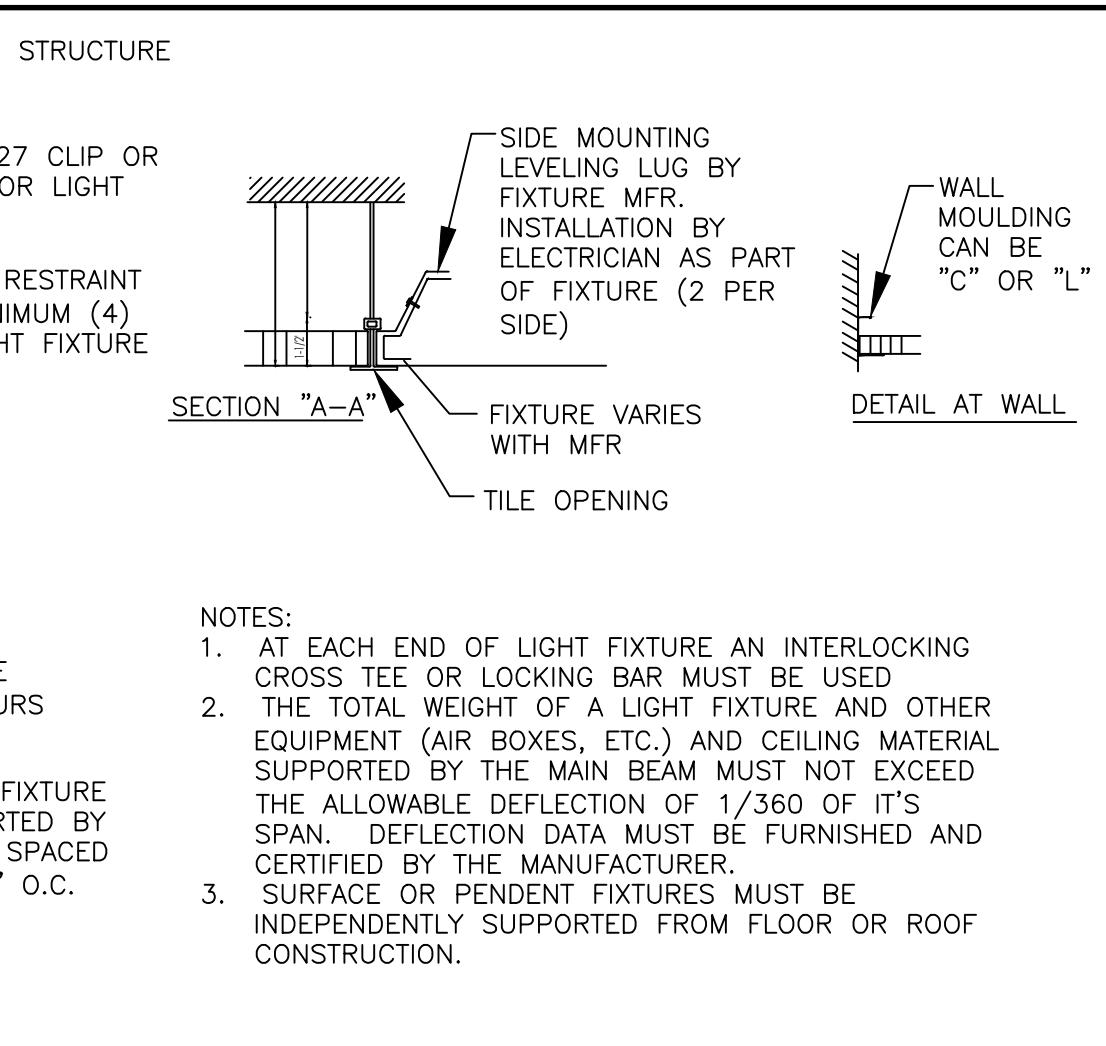
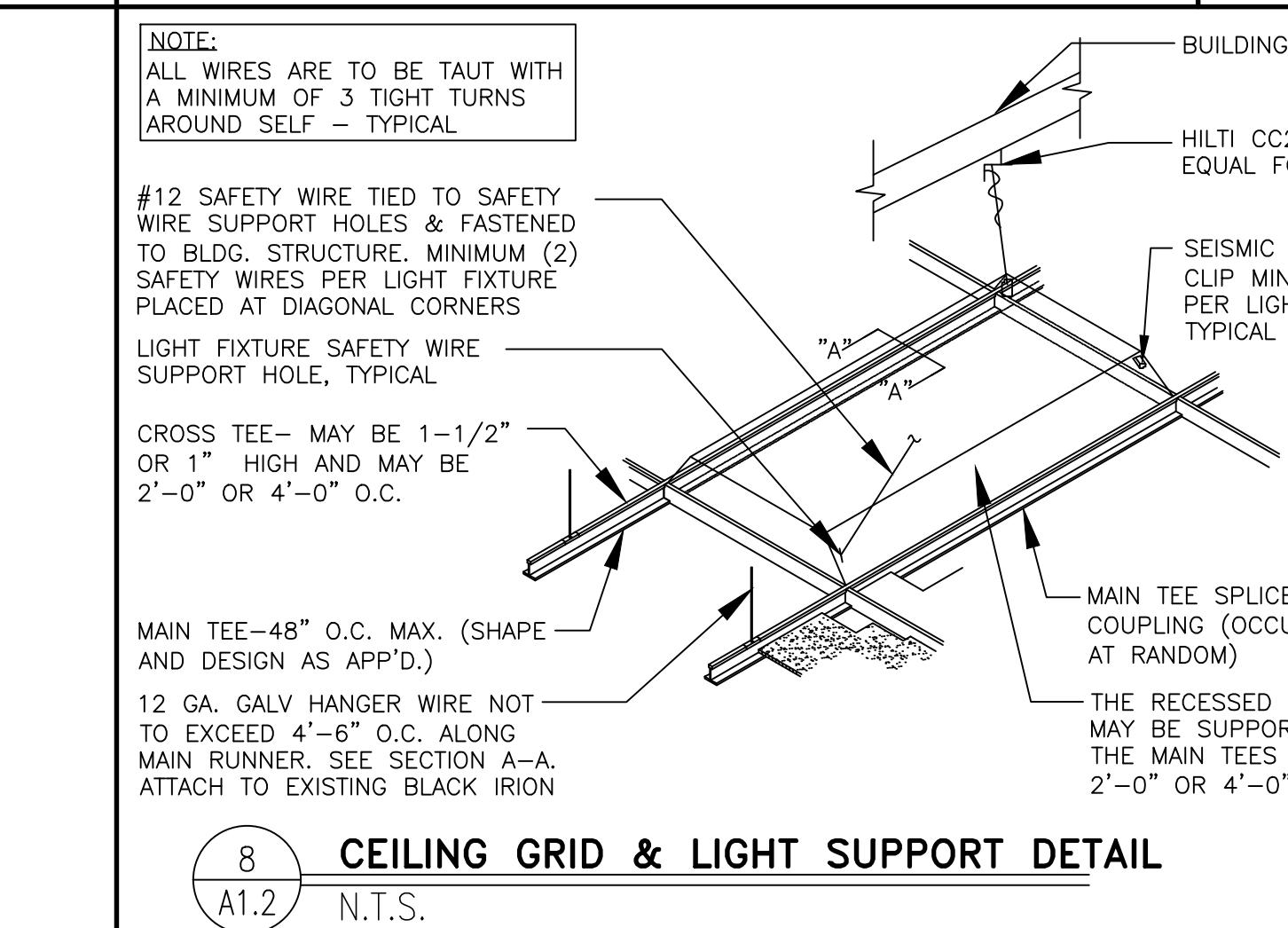
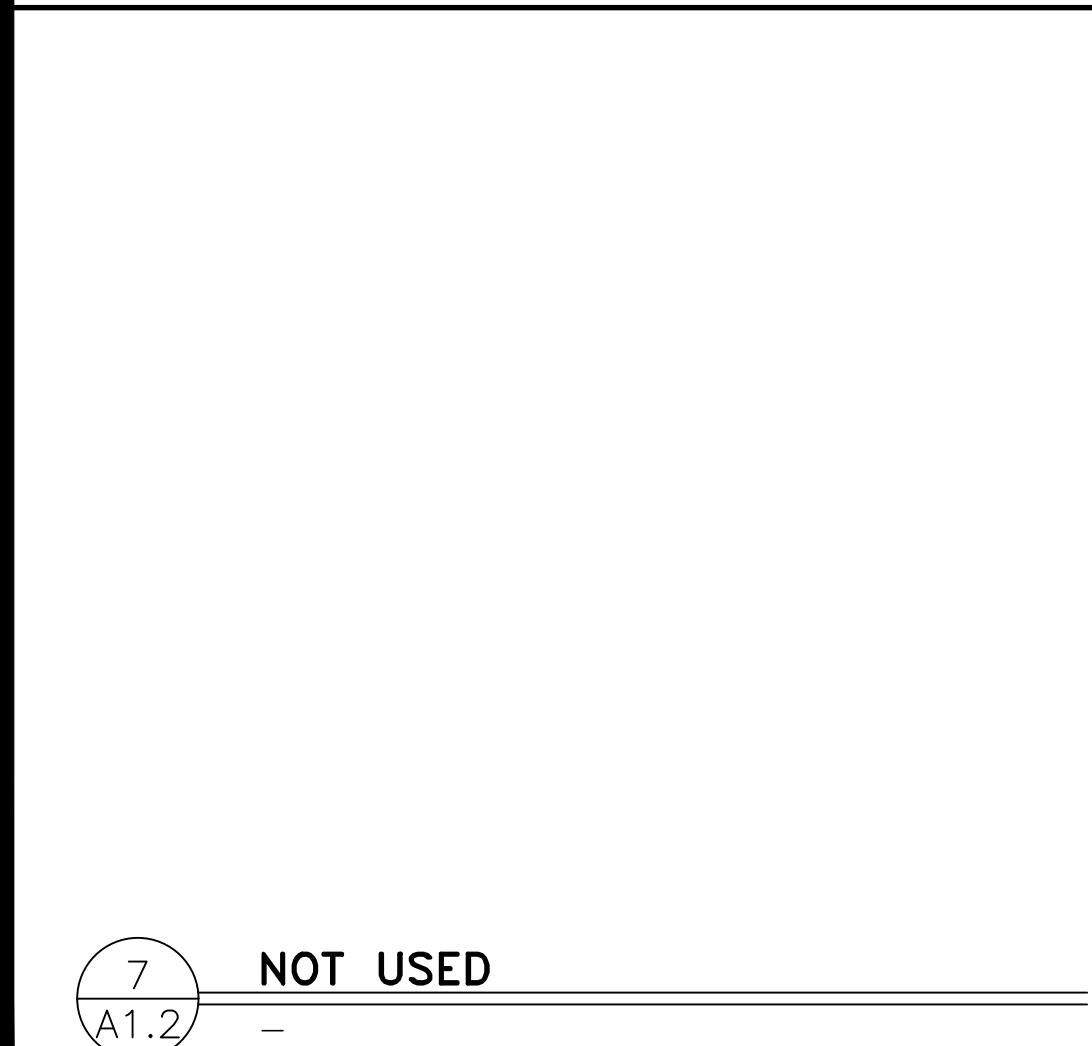
CEILING DETAIL AT COOLER



CEILING DETAIL AT SWITCHGEAR



MONITOR INSTALLATION DETAIL



PREPARED BY:

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DRAWN BY:

JAW

STD ISSUE DATE:

2025

REVIEWED BY:

JAW

DATE ISSUED:

02/07/2025

SITE ADDRESS:

4584 WOOD/WOOD

DESCRIPTION:

WOOD BEARING WALLS

WOOD ROOF TRUSS FRAMING

SITE ID:

042-356

TITLE:

2025 STANDARD BUILDING - BB20

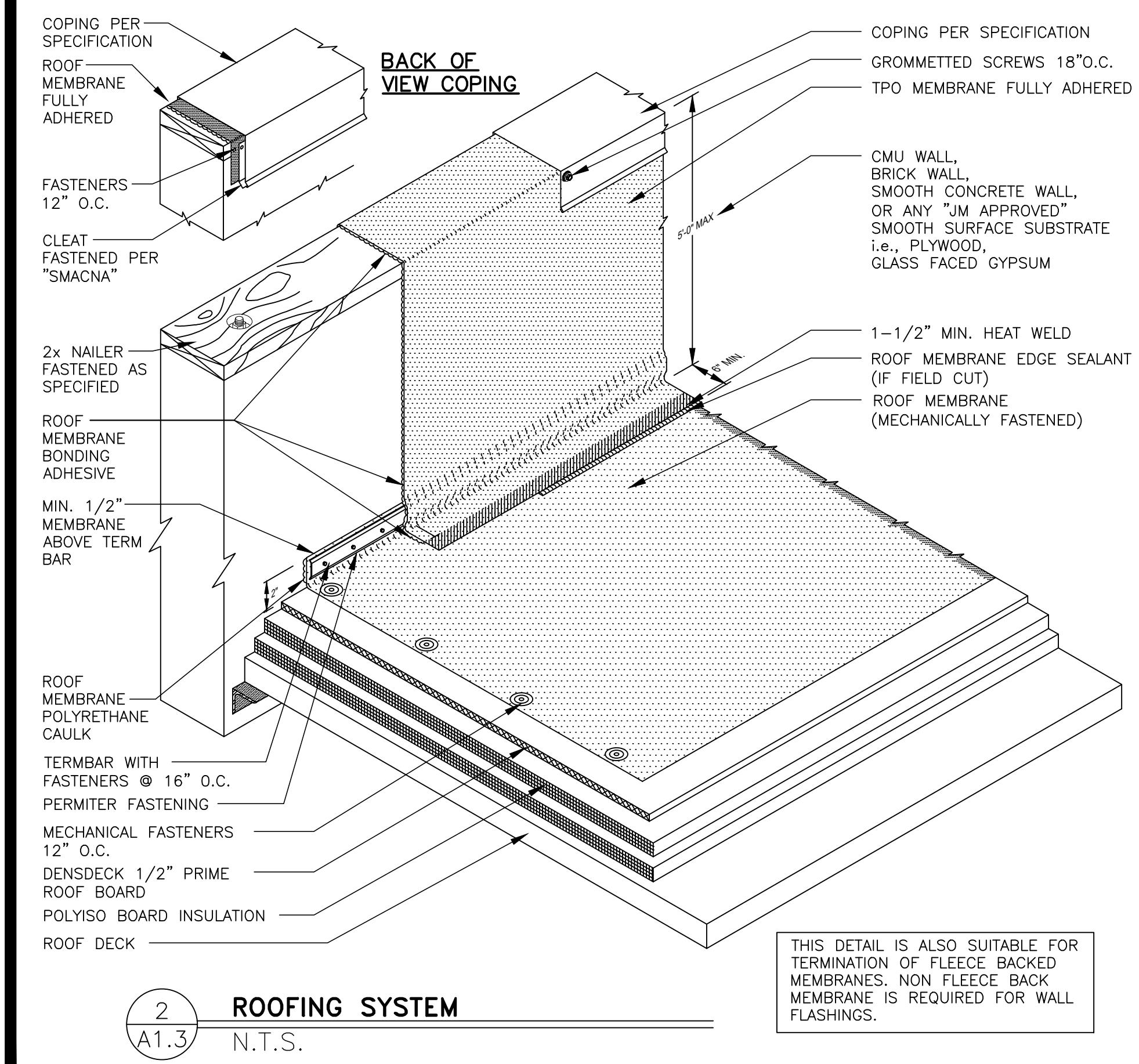
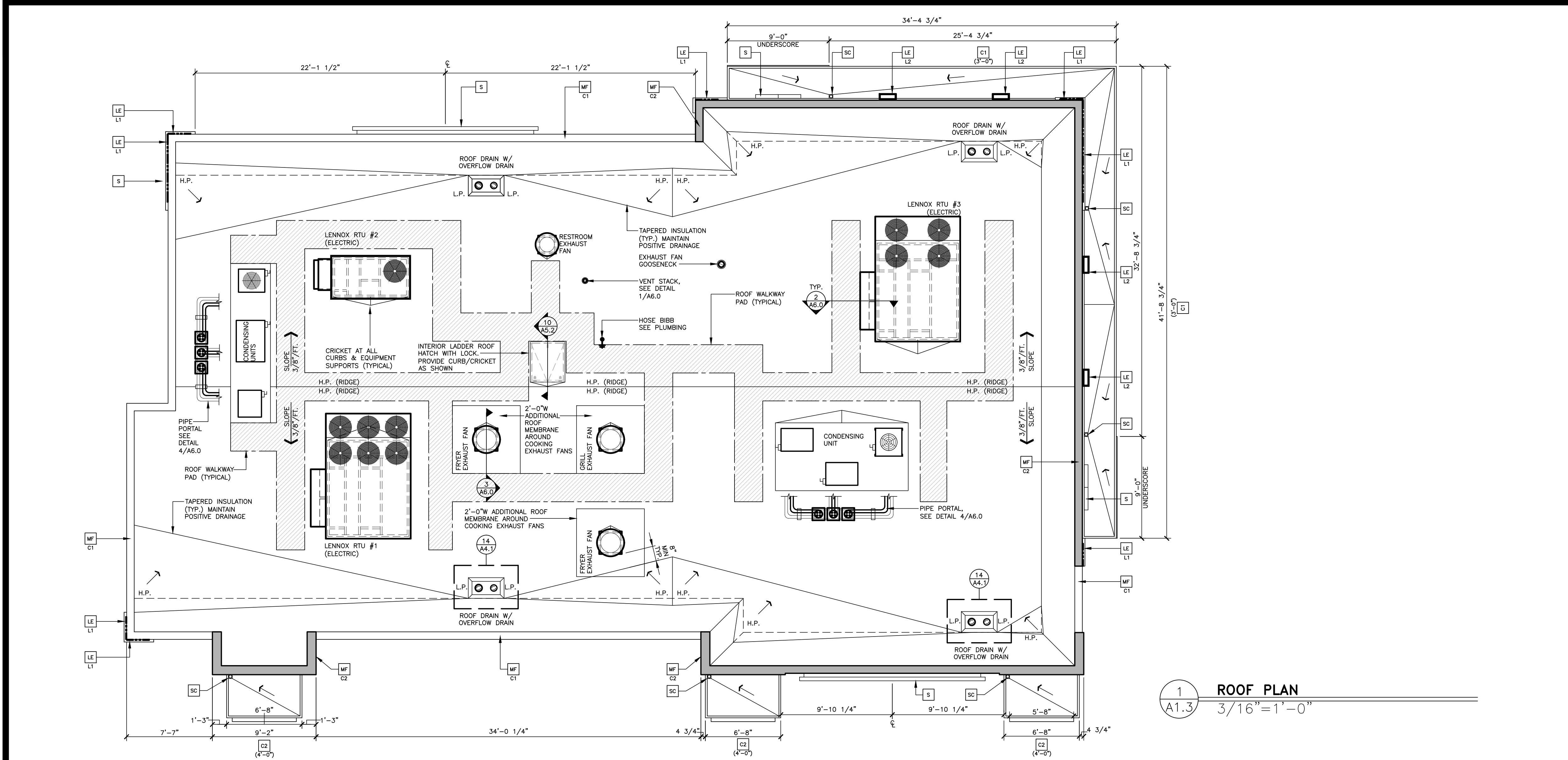
REF ID:

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REV:

BY:

JAWA 24-0221
REFLECTED CLG. PLAN



ROOFING SYSTEM

1. MANUFACTURERS AND PRODUCTS:
A. DURO-LAST PVC ROOFING SYSTEM
B. JM-PVC REFER TO JOHNS MANVILLE WEBSITE (www.jm.com) FOR MOST UP-TO-DATE INFORMATION.
NO SUBSTITUTIONS ALLOWED

2. SPECIFIED ROOFING SYSTEMS (AS SHOWN):
HEAT-WELDABLE SINGLE-PLY 50 MIL PVC ROOFING SYSTEM, INSTALLED OVER RIGID INSULATION ON WOOD ROOF DECK HAVING A SLOPE OF 3/8"/FT. MATERIALS SHALL BE AS FOLLOWS:
A. SINGLE-PLY ROOFING SYSTEM AS MANUFACTURED BY MANUFACTURER LISTED ABOVE TO COMPLY WITH ASTM E 108 OR UL 790, ASTM D-6878, AND FMG I-90 FOR WIND UPLIFT.
B. FASTENERS: METAL FASTENERS AND PLATES AS PER MANUFACTURER.
C. ACCESSORIES: PRE-FABRICATED CURBS, FLASHING, CORNERS, TERMINATION BARS, PIPE FLASHING, VENT FLASHING ETC. AS PER MANUFACTURER.
D. PLEASE SEE SINGLE-PLY FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.
E. ANY CARPENTRY OR METAL WORK SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND APPROVED BY A LICENSED DESIGN PROFESSIONAL. CONTACT MANUFACTURER FOR METAL OPTIONS TO BE INCLUDED WITHIN THE MANUFACTURER'S GUARANTEE.
F. ROOF MEMBRANE EDGE SEALANT IS REQUIRED ON ALL CUT OR NON-ENCAPSULATED EDGES OF REINFORCED MEMBRANE. THIS INCLUDES FACTORY CUT MEMBRANE.

3. WALKWAYS:
A. 30" WIDE WALKWAY ROLL, HOT AIR WELDED TO MEMBRANE.
B. PROVIDE WALKWAY FROM ROOF LADDER EXIT TO ALL ROOF TOP EQUIPMENT AS PER ROOF PLAN ABOVE.
C. INSTALL WALKWAY ACCORDING TO WALKWAY PAD MANUFACTURER'S WRITTEN INSTRUCTION.

4. RIGID INSULATION:
PROVIDE REQUIRED LAYERS OF POLYISOCYANURATE INSULATION W/ 1/2" "DENSEDECK" COVER BOARD TO MEET A MINIMUM CONTINUOUS R-30 VALUE - THICKNESS AS REQUIRED. PROVIDE POSITIVE SLOPE TO ALL ROOF DRAINS. SEE ROOF PLAN. PROVIDE TOP LAYER PROTECTION MATERIAL AS PER MANUFACTURER'S RECOMMENDATIONS. BOTTOM LAYER OF INSULATION TO HAVE INTEGRAL THERMAL BARRIER OR APPROVED ROOFING MANUFACTURER'S THERMAL UNDERLAYMENT SHEET. ASSEMBLY SHALL COMPLY WITH UL 1256 OR FMG 4450 AND ASTM C 1289, TYPE I OR II.

5. TAPERED INSULATION:
PROVIDE TAPERED INSULATION AS REQUIRED FOR POSITIVE DRAINAGE TO ROOF DRAINS AS INDICATED PER ROOF PLAN ABOVE. $\frac{1}{4}$ " PER FOOT MIN. REQUIRED.

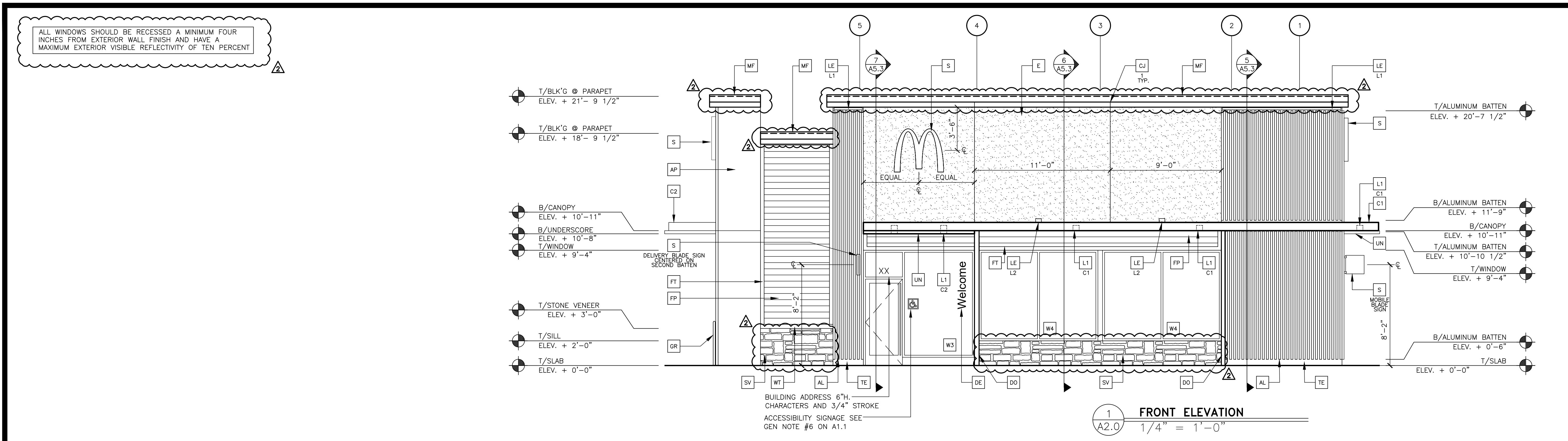
6. EXHAUST FANS:
PROVIDE ADDITIONAL LAYER OF ROOF MEMBRANE AROUND EXHAUST FANS AS INDICATED PER ROOF PLAN ABOVE.

SHEET NO.	TITLE	DRAWN BY	STD ISSUE DATE	REVIEWED BY	DATE ISSUED	BY
042-356	2025 STANDARD BUILDING - BB20	JAW	2025	JAW	02/07/2025	JAW 24-0221
	4584-WOOD/WOOD					
	DESCRIPTION	WOOD BEARING WALLS				
		WOOD ROOF TRUSS FRAMING				
	SITE ID	4584 HWY 78, SACHE TX				
	REV	DATE				

PREPARED FOR: JAW

McDonald's USA, LLC

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REGISTERED ARCHITECT
JAMES WILLIAMS, S.A.I.D.
STATE OF TEXAS
FEB 26

JAW Architects, Inc.
James Williams, Architect
Phone 817-765-3387
Email jwilliams@jaws.com

McDonald's USA, LLC

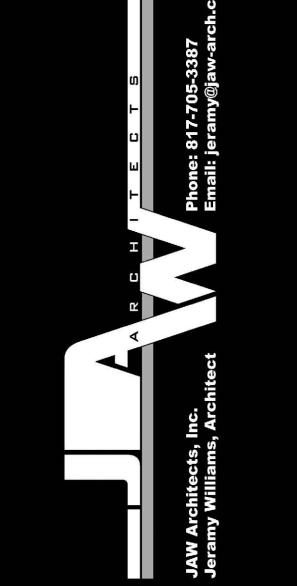
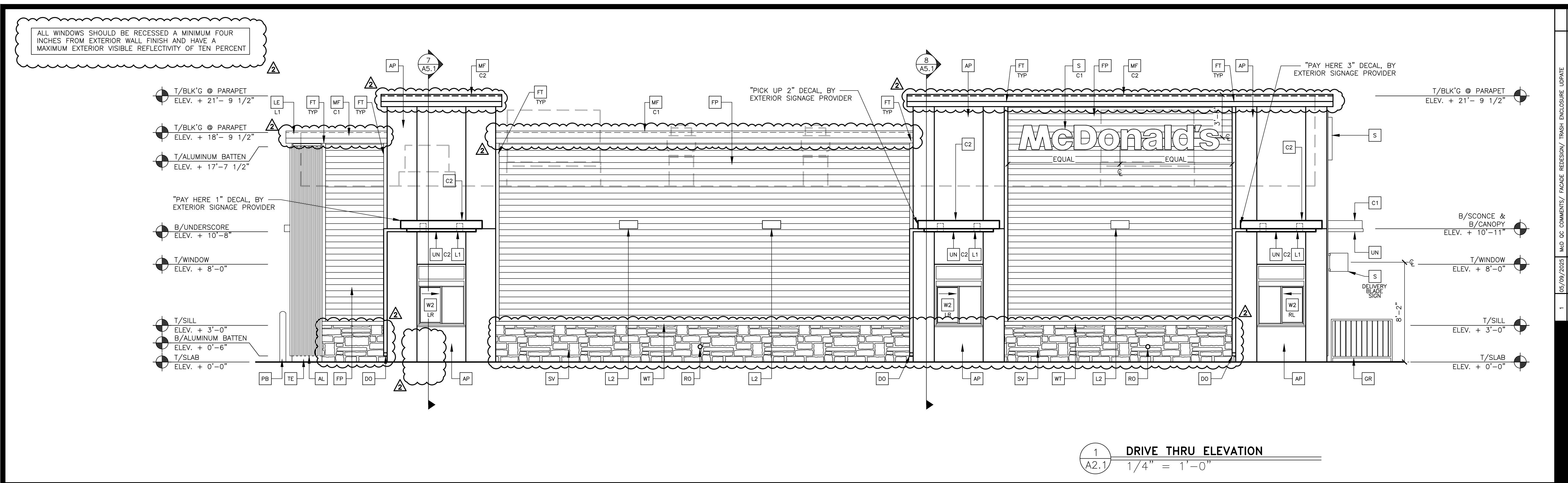
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DRAWN BY:	JAW
STD ISSUE DATE:	2025
REVIEWED BY:	JAW
DATE ISSUED:	02/07/2025
SHEET NO.:	A2.0
TITLE:	2025 STANDARD BUILDING - BB20
DESCRIPTION:	4584 - WOOD/WOOD
SITE ID:	042-3536
SITE ADDRESS:	7830 HWY 75, SACHSE TX
BY:	JAWA 24-0221

A2.0
ELEVATIONS

KEY NOTES:

- AL ALUMINUM BATTE SYSTEM SIZE: 2"x2" PROFILE COLOR: DARK BRONZE
- BB BACKRAIL UNFINISHED ENDCAP PAINTED TO MATCH SUBSTRATE: 1/2" EXTERIOR HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1, HDO BOTH SIDES, APA TRADEMARKED.
- COURSE GRIT SAND SURFACES PRIOR TO PRIMING, PRIME AND PAINT BOTH SIDES AND ALL EDGES PRIOR TO INSTALLATION.
- SUBSTRATE COLOR: "IRON ORE" SW 7069 BY SHERWIN WILLIAMS
- AP ALPOLIC METAL PANEL (COLOR: DON GRAY)
- ALUMINUM CANOPY SYSTEM COLOR: WHITE
- ALUMINUM CANOPY SYSTEM COLOR: RAL 7022
- CJ CONTROL JOINT 1-TYPE: 1 = EIFS
- EJ EXPANSION JOINT, SEE DETAIL 7/A4.1
- D HOLLOW METAL DOOR PAINT: "FAIRVIEW TAPE" HC-85 BY BENJAMIN MOORE
- DE DECAL BY GRAPHICS SUPPLIER SURFACE APPLIED, FIELD INSTALLED, PRE CUT, PRE SPACED. SUPPLIERS: VOMELA (865) 330-7337, ann.bowen@vomela.com GFX INTERNATIONAL (847) 543-4600, mcdonaldsdecor@gfxi.com
- DO DOWNSPOUT COLOR: RAL 7022 COORDINATE WITH CIVIL TO TIE INTO STORM DRAINAGE
- E EXTERIOR INSULATION FINISH SYSTEM (E.I.F.S.) COLOR: "IRON ORE" SW 7069 BY SHERWIN WILLIAMS
- FB CO2 = BULK CO2 FILL BOX (EOPM SCHEDULE ITEM 49.00) BO = BULK OIL FILL BOX (EOPM SCHEDULE ITEM 700.18)
- FP FIBER CEMENT LAP SIDING: SMOOTH HARDIE-BOARD PLANK BY JAMES HARDIE, 8-1/4" WIDTH, 7" EXPOSURE, HZ10 COLOR: TIMBER BARK (CHECK 1 5/8" PRE-PAINT AVAILABILITY)
- FT FIBER CEMENT TRIM: HARDIE TRIM BOARDS 4/4 SMOOTH, 1 5/8" AND 3 1/2" WIDTH, 3/4" THICK, HZ10 COLOR: TIMBER BARK (CHECK 1 5/8" PRE-PAINT AVAILABILITY)
- GR GUARD RAIL - SEE SITE PLAN FOR EXACT LOCATION AND LENGTH USE STAINLESS STEEL OR GALVANIZED STEEL
- L1 RECESSED DOWN LIGHT FIXTURE - SEE ELECTRICAL C1= COLOR: C1= WHITE C2= GOLD
- L2 RADIAL SCONE LIGHT FIXTURE - SEE ELECTRICAL COLOR: PLATINUM SILVER
- LE ACCENT LIGHTING - SEE ELECTRICAL L1= LED LIGHT; L1= SLIM LED (DOWN ONLY) L2= UP ONLY FLOOD FIXTURE
- MF PRE-FAB ANCHOR-TITE FASCIA COLOR: RAL 7022
- RO ROOF DRAIN OVERFLOW PIPE PAINT TO MATCH SURROUNDING MATERIAL
- S McDONALD'S SIGNAGE BY OTHERS - UNDER SEPARATE PERMIT. C1= COLOR: C1= WEATHERED ZINC RACEWAY C2= RAL 7022 RACEWAY
- ST CO2 STROBE/ALARM, SEE MECHANICAL DRAWINGS FOR SPECIFICATION
- SV THIN STONE VENEER BY SALADO: COLOR "AUTUMN" PATTERN: SONOMA LIMESTONE
- TE EXTERIOR 1x6" TRIM, PAINTED ON SITE COLOR: "IRON ORE" SW 7069 BY SHERWIN WILLIAMS
- UN METAL UNDERSCORE COLOR: GOLD
- WT STONE WATER TABLE 900 SERIES SILL W/ DRIP EDGE BY CORONADO STONE (OR APPROVED EQUIAL) COLOR: TO MATCH STONE VENEER WAINSCOT.



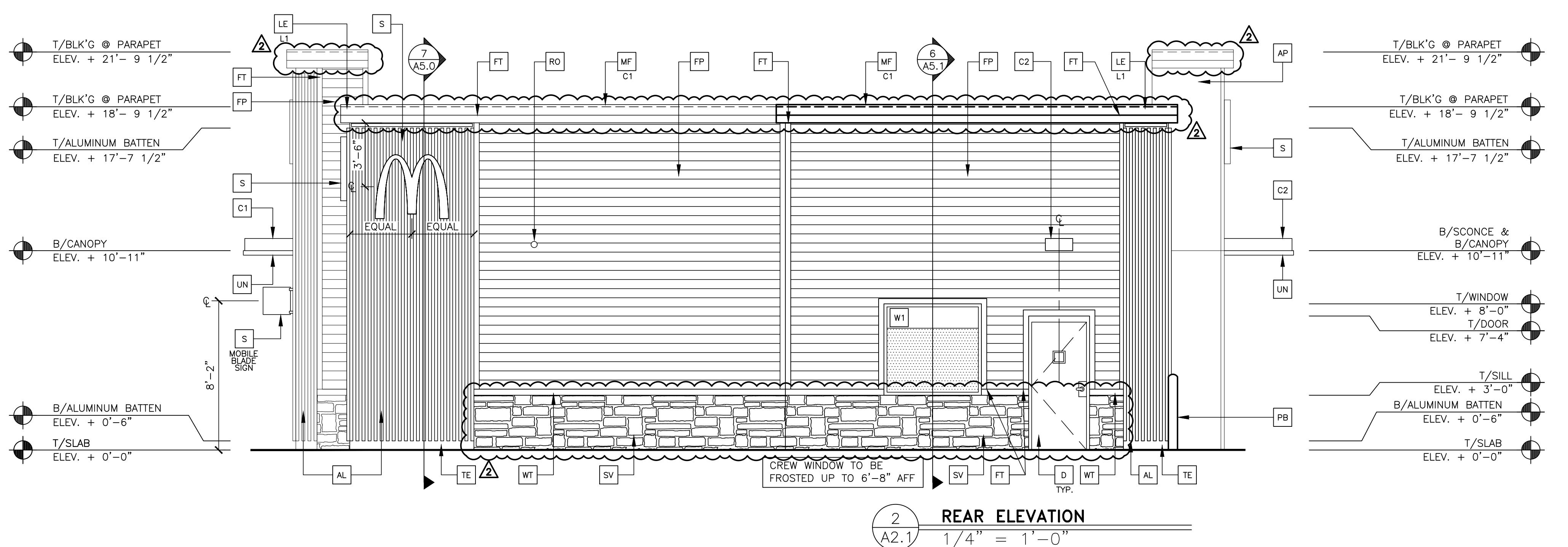
JAW Architects, Inc.
Jimmy Williams, Architect

REGISTERED ARCHITECT
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C.G. H. T. S. S. S. S.

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PREPARED FOR:
McDonald's USA, LLC

DRAWN BY:

JAW

STD ISSUE DATE:

2025

REVIEWED BY:

JAW

DATE ISSUED:

02/07/2025

FILE NO.:

JAWA 24-0221

KEY NOTES:

AL ALUMINUM BATTEEN SYSTEM SIZE: 2"x2" PROFILE
SUBSTRATE: 1/2" GROUT BACKRAIL UNFINISHED ENDCAP PAINTED TO MATCH SUBSTRATE: 1/2" EXTERIOR HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1, HDO BOTH SIDES, APA TRADEMARKED.
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SUBSTRATE COLOR: "IRON ORE" SW 7069 BY SHERWIN WILLIAMS

AP ALPOLIC METAL PANEL (COLOR: DON GRAY)

C1 ALUMINUM CANOPY SYSTEM COLOR: WHITE

C2 ALUMINUM CANOPY SYSTEM COLOR: RAL 7022

CJ CONTROL JOINT

1-TYPE: 1 = EIFS

D HOLLOW METAL DOOR PAINT: "FAIRVIEW TAPE" HC-85 BY BENJAMIN MOORE

DE DECAL BY GRAPHICS SUPPLIER SURFACE APPLIED, FIELD INSTALLED, PRE CUT, PRE SPACED. SUPPLIERS: VOMELA (865) 330-7337, ann.bowen@vomela.com GFX INTERNATIONAL (847) 543-4600, mcdonaldsdecor@gfxi.com

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L1 = SLIM LED (DOWN ONLY)
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MF PRE-FAB ANCHOR-TITE FASCIA COLOR: RAL 7022

PB PIPE BOLLARD - PAINTED YELLOW

RO ROOF DRAIN OVERFLOW PIPE PAINT TO MATCH SURROUNDING MATERIAL

S MCDONALD'S SIGNAGE BY OTHERS - UNDER SEPARATE PERMIT.

C1= COLOR:
C1 = WEATHERED ZINC RACEWAY
C2 = RAL 7022 RACEWAY

XX COLOR: DEEP BRONZE

ST CO2 STROBE/ALARM SEE MECHANICAL DRAWINGS FOR SPECIFICATION.

SV THIN STONE VENEER BY SALADO: COLOR "AUTUMN" PATTERN: SONOMA LIMESTONE

TE TRU EXTERIOR 1x6" TRIM, PAINTED ON SITE COLOR: "IRON ORE" SW 7069 BY SHERWIN WILLIAMS

UN METAL UNDERSCORE COLOR: GOLD

W# EXTERIOR WINDOW ASSEMBLY - TEMPERED GLASS COLOR: DARK BRONZE. SEE SHEET A6.0

WT DRIVE-THRU WINDOW BY READY ACCESS MODEL: 600 SERIES, 36" SERVICE HEIGHT WITH TRANSOM, MANUAL OPEN; ELECTRONIC RELEASE

XX COLOR: DEEP BRONZE SLIDE DIRECTION: RL = RIGHT TO LEFT LR = LEFT TO RIGHT

WT STONE WATER TABLE 900 SERIES SILL W/ DRIP EDGE BY CORONADO STONE (OR APPROVED EQUAL)

COLOR: TO MATCH STONE VENEER WAINSCOT.

DESCRIPTION: 2025 STANDARD BUILDING - BB20
WOOD/WOOD/WOOD

WOOD BEARING WALLS

WOOD ROOF TRUSS FRAMING

SITE ADDRESS: 4584-780 HWY 7B, SACHEL TX

SITE ID: 042-356

SHEET NO.:

A2.1

ELEVATIONS

BUILDING MATERIAL CALCULATIONS BUILDING										
Materials	South Elevation (Rear)		North Elevation (Front)		East Elevation (DT)		West Elevation (Non DT)		Totals	
	SF	%	SF	%	SF	%	SF	%	SF	%
EIFS	0	0.00%	282	34.10%	0	0.00%	282	22.00%	564	12.17%
Fiber Cement Siding	538	59.45%	134	16.20%	950	58.61%	724	56.47%	2,346	50.61%
Wood-Look Battens	194	21.44%	250	30.23%	45	2.78%	147	11.47%	636	13.72%
Stone	106	11.71%	56	6.77%	173	10.67%	107	8.35%	442	9.54%
Metal Panels	67	7.40%	77	9.31%	435	26.84%	0	0.00%	579	12.49%
Metal Canopy	0	0.00%	28	3.39%	18	1.11%	22	1.72%	68	1.47%
Totals (Excluding Glazing)	905	100%	827	100%	1,621	100%	1,282	100%	4,635	100%
Materials	SF	%	SF	%	SF	%	SF	%	SF	%
Glazing/Openings	60	6.22%	227	21.54%	60	3.57%	324	20.17%	671	12.65%
Total Façade	965	18.19%	1,054	19.86%	1,681	31.68%	1,606	30.27%	5,306	100%

WINDOW NOTES:
1- ALL WINDOWS SHOULD BE RECESSED A MINIMUM FOUR INCHES FROM EXTERIOR WALL FINISH AND HAVE A MAXIMUM EXTERIOR VISIBLE REFLECTIVITY OF TEN PERCENT

MECHANICAL EQUIPMENT
1- EXPOSED CONDUITS, LADDERS, EXHAUST VALVES, UTILITY BOXES AND DRAIN SPOUTS SHALL BE A COLOR MATCHING THE BUILDING, AN ACCENT COLOR, OR OTHER EARTH-TONE COLOR.
2- OUTSIDE EQUIPMENT, COOLERS, AND/OR OTHER MECHANICAL ITEMS SHALL BE SCREENED IN ACCORDANCE WITH THE SCREENING STANDARDS OF THE ZONING ORDINANCE OR BE ENCLOSED BY A MASONRY WING WALL. ROOF MOUNTED EQUIPMENT SHALL BE SCREENED BY THE PARAPET, NOT METAL SCREENS NOR VISIBLE FROM PUBLIC VIEW. TRANSFORMERS SHOULD BE PLACED TO MITIGATE THEIR VISUAL IMPACT.
3- ALL NEW UTILITIES, INCLUDING ANY PROPOSED AERIAL LINES, SHALL BE UNDERGROUND.

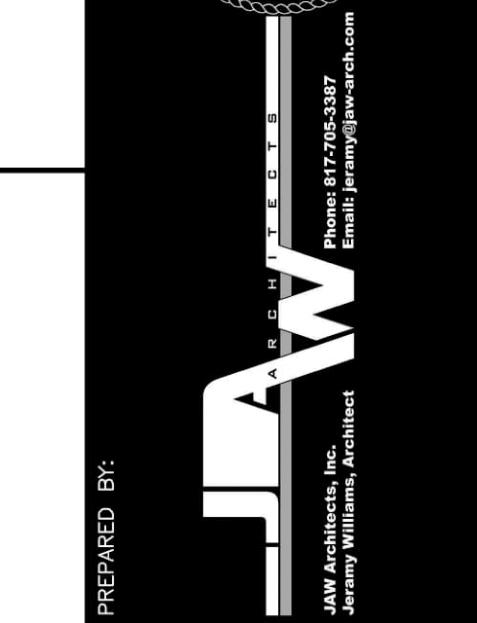
SPECIAL NOTES:
1- SIGNAGE BY SEPARATE PERMIT
2- ROOF MOUNTED MECHANICAL EQUIPMENT SHALL BE SUFFICIENTLY SCREENED FROM VIEW BY PARAPET WALLS, AND GROUND MOUNTED EQUIPMENT SHALL BE ENCLOSED BY MASONRY WING WALLS THAT MATCH THE MATERIAL OF THE PRIMARY BUILDING.
3- ALL LIGHT SOURCES, INCLUDING WALL PACKS, SHALL BE FULL CUT-OFFS (I.E. RECESSED/SHIELDED)

ARCHITECTURAL ELEMENTS LIST:

- 1- CANOPIES
- 2- VERTICAL ELEMENTS: RAISED PARAPETS
- 3- OTHER ARCHITECTURAL FEATURES: STONE WAUCOTSCING
- 4- OTHER ARCHITECTURAL FEATURES: DECORATIVE CORNICES



REV	DATE	DESCRIPTION
1	05/09/2025	McD QC COMMENTS/ FAÇADE REDESIGN/ TRASH ENCLOSURE UPDATE
2	07/07/2025	CITY COMMENTS



PREPARED BY:
JAW Architects, LLC

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McDonald's USA, LLC
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DRAWN BY:	JAW	STD ISSUE DATE:	2025
PREPARED FOR:	JAW	REVIEWED BY:	JAW
McDonald's USA, LLC		DATE ISSUED:	02/07/2025

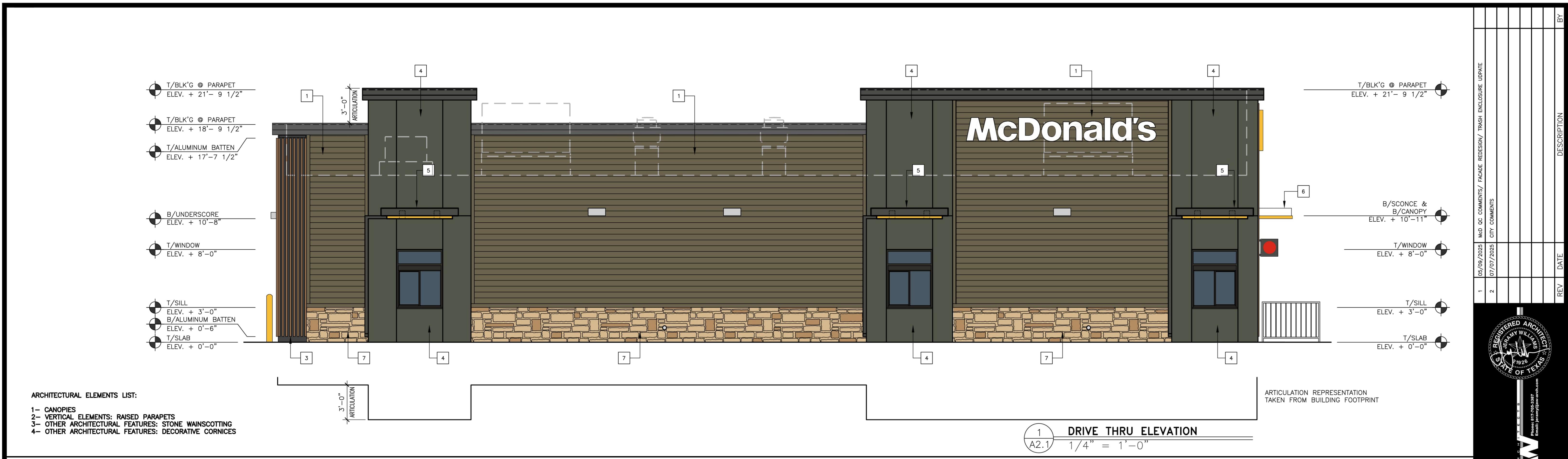


ARCHITECTURAL ELEMENTS LIST:

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- 2- VERTICAL ELEMENTS: RAISED PARAPETS
- 3- OTHER ARCHITECTURAL FEATURES: STONE WAUCOTSCING
- 4- OTHER ARCHITECTURAL FEATURES: DECORATIVE CORNICES

FIBER CEMENT SIDING (HARDI-BORD) COLOR: TIMBER BARK	2	EIFS (EXTERIOR INSULATION FINISH SYSTEM) COLOR SW 7069 IRON ORE	3	2X2 ALUMINUM WOOD BATTENS BY FORTINA COLOR EARL WALNUT	4	ACM METAL PANELS BY ALPOLIC COLOR DON GRAY	5	ALUMINUM METAL CANOPY SYSTEM COLOR RAL 7022	6	2X8 ALUMINUM METAL CANOPY SYSTEM COLORS WHITE & MCD YELLOW	7	SONOMA LIMESTONE THIN STONE VENEER BY SALADO COLOR: AUTUMN
4584-WOOD/WOOD		WOOD BEARING WALLS WOOD ROOF TRUSS FRAMING										

SHEET NO. A2.2
TITLE: 2025 STANDARD BUILDING - BB20
DESCRIPTION: COLORED ELEVATIONS
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BUILDING MATERIAL CALCULATIONS BUILDING										
Materials	South Elevation (Rear)		North Elevation (Front)		East Elevation (DT)		West Elevation (Non DT)		Totals	
	SF	%	SF	%	SF	%	SF	%		
EIFS	0	0.00%	282	34.10%	0	0.00%	282	22.00%	564	12.17%
Fiber Cement Siding	538	59.45%	134	16.20%	950	58.61%	724	56.47%	2,346	50.61%
Wood-Look Battens	194	21.44%	250	30.23%	45	2.78%	147	11.47%	636	13.72%
Stone	106	11.71%	56	6.77%	173	10.67%	107	8.35%	442	9.54%
Metal Panels	67	7.40%	77	9.31%	435	26.84%	0	0.00%	579	12.49%
Metal Canopy	0	0.00%	28	3.39%	18	1.11%	22	1.72%	68	1.47%
Totals (Excluding Glazing)	905	100%	827	100%	1,621	100%	1,282	100%	4,635	100%
BUILDING MATERIAL CALCULATIONS FAçADE										
Materials	SF	%	SF	%	SF	%	SF	%		
Glazing/Openings	60	6.22%	227	21.54%	60	3.57%	324	20.17%	671	12.65%
Total Façade	965	18.19%	1,054	19.86%	1,681	31.68%	1,606	30.27%	5,306	100%

WINDOW NOTES:

1- ALL WINDOWS SHOULD BE RECESSED A MINIMUM FOUR INCHES FROM EXTERIOR WALL FINISH AND HAVE A MAXIMUM EXTERIOR VISIBLE REFLECTIVITY OF TEN PERCENT

MECHANICAL EQUIPMENT

1- EXPOSED CONDUITS, LADDERS, EXHAUST VALVES, UTILITY BOXES AND DRAIN SPOUTS SHALL BE A COLOR MATCHING THE BUILDING, AN ACCENT COLOR, OR OTHER EARTH-TONE COLOR.

2- OUTSIDE EQUIPMENT, COOLERS, AND/OR OTHER MECHANICAL ITEMS SHALL BE SCREENED IN ACCORDANCE WITH THE SCREENING STANDARDS OF THE ZONING ORDINANCE OR BE ENCLOSED BY A MASONRY WING WALL. ROOF MOUNTED EQUIPMENT SHALL BE SCREENED BY THE PARAPET, NOT METAL SCREENS NOR VISIBLE FROM PUBLIC VIEW. TRANSFORMERS SHOULD BE PLACED TO MITIGATE THEIR VISUAL IMPACT.

3- ALL NEW UTILITIES, INCLUDING ANY PROPOSED AERIAL LINES, SHALL BE UNDERGROUND.

SPECIAL NOTES:

1- SIGNAGE BY SEPARATE PERMIT

2- ROOF MOUNTED MECHANICAL EQUIPMENT SHALL BE SUFFICIENTLY SCREENED FROM VIEW BY PARAPET WALLS, AND GROUND MOUNTED EQUIPMENT SHALL BE ENCLOSED BY MASONRY WING WALLS THAT MATCH THE MATERIAL OF THE PRIMARY BUILDING.

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4584-WOOD/WOOD	4584-WOOD/WOOD	4584-WOOD/WOOD	4584-WOOD/WOOD	4584-WOOD/WOOD	4584-WOOD/WOOD	4584-WOOD/WOOD

1	05/09/2025	McD QC COMMENTS/ FAÇADE REDESIGN/ TRASH ENCLOSURE UPDATE
2	07/07/2025	CITY COMMENTS
REV	DATE	DESCRIPTION

REGISTERED ARCHITECT
JAMES WILLIAM WILHELM, AIA, LEED AP
STATE OF TEXAS
#19726

Phone: 817-265-3387
Email: James@jmwarchitect.com



PREPARED BY:

JAW

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PREPARED FOR:

JAW

DRAWN BY:

JAW

STD ISSUE DATE:

2025

REVIEWED BY:

JAW

DATE ISSUED:

02/07/2025

WOOD BEARING WALLS
WOOD ROOF TRUSS FRAMING

SHEET NO.:

042-356

TITLE:

2025 STANDARD BUILDING - BB20

DESCRIPTION:

WOOD BEARING WALLS
WOOD ROOF TRUSS FRAMING

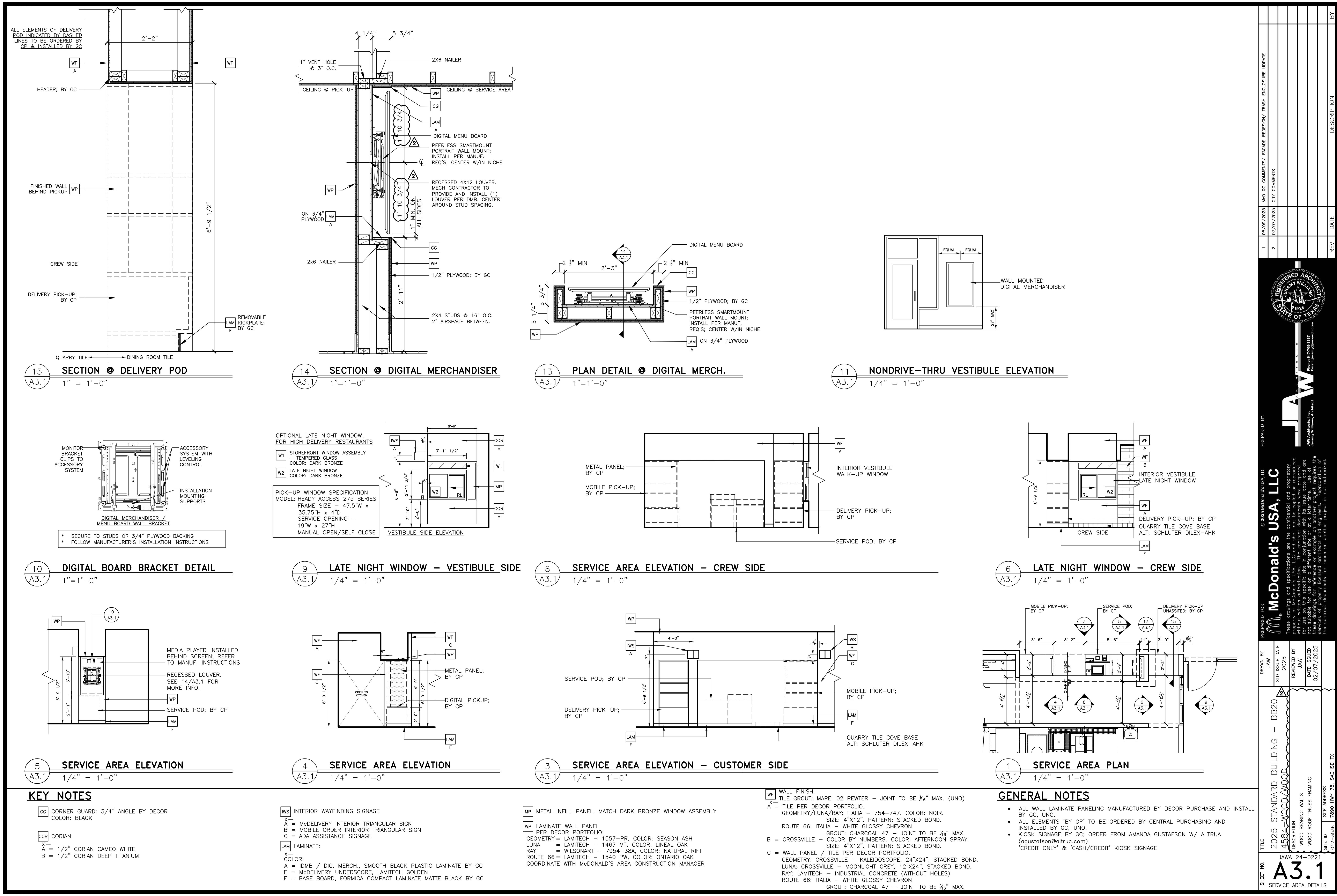
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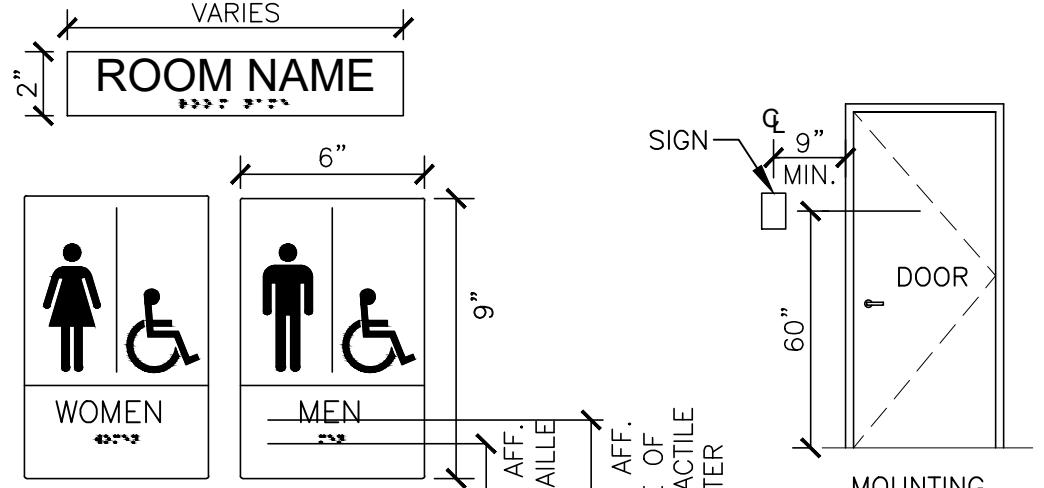
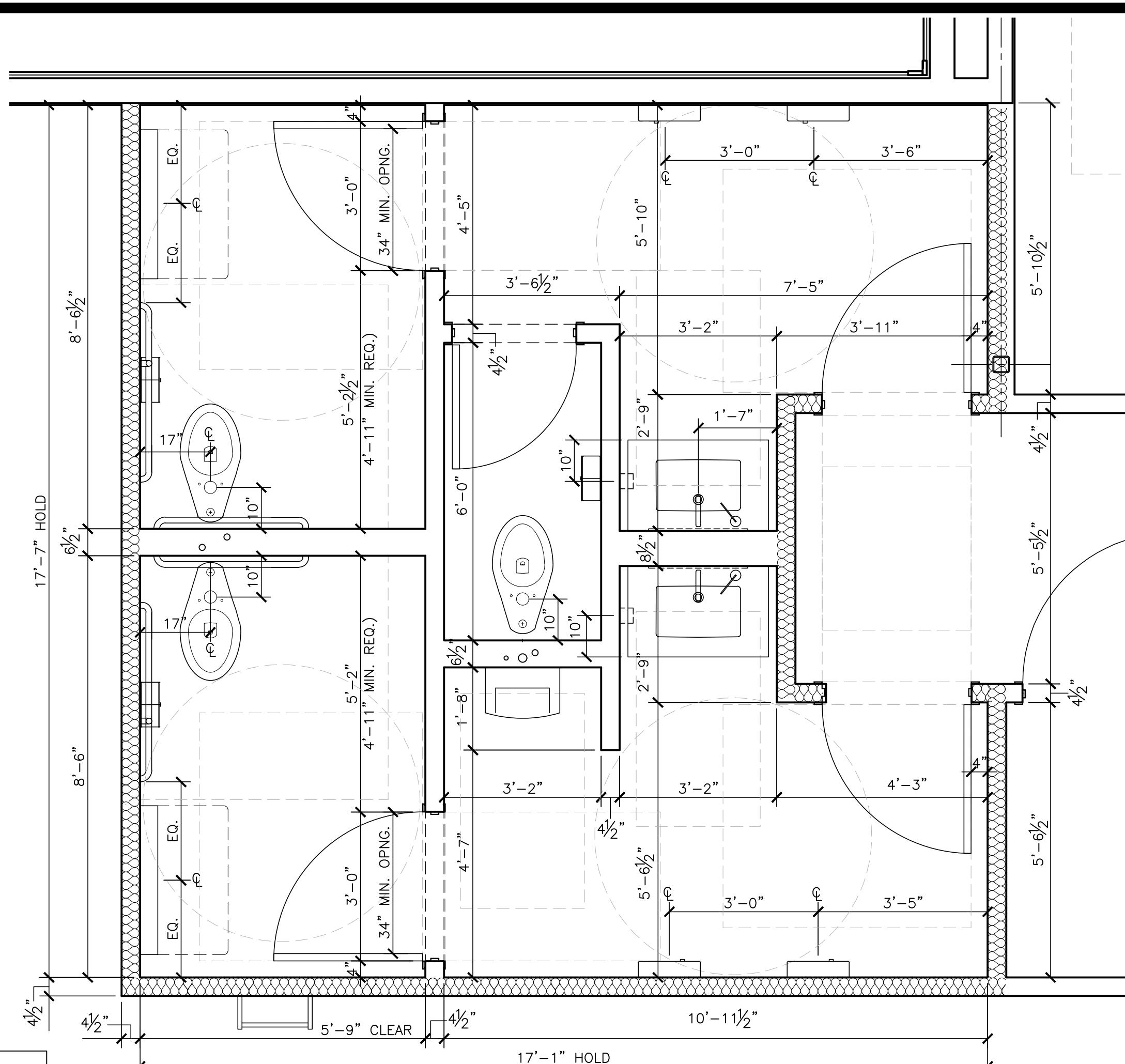
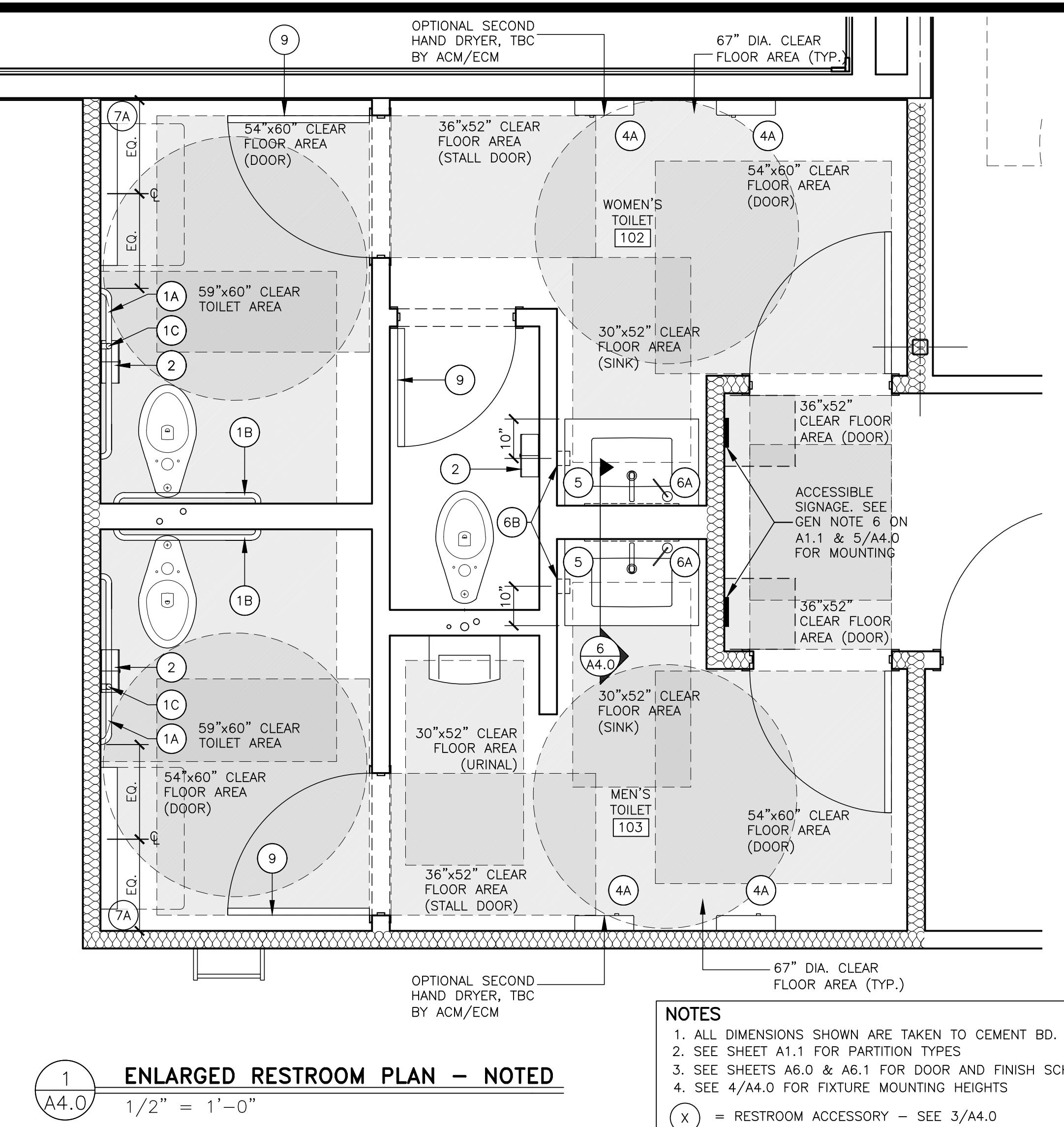
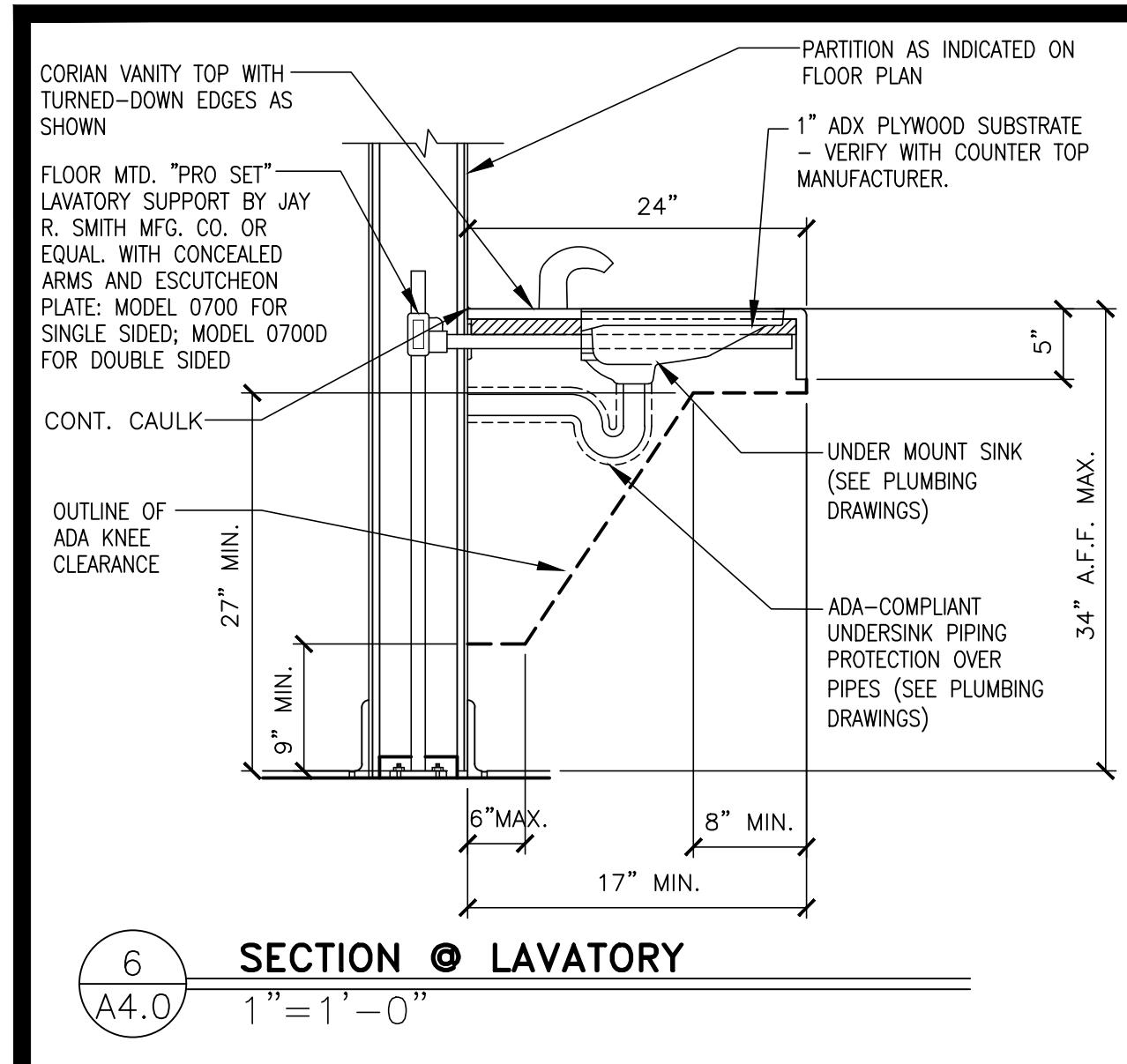
7850 HWY 78, SACHSE TX

042-0221

A2.3

COLORED ELEVATIONS





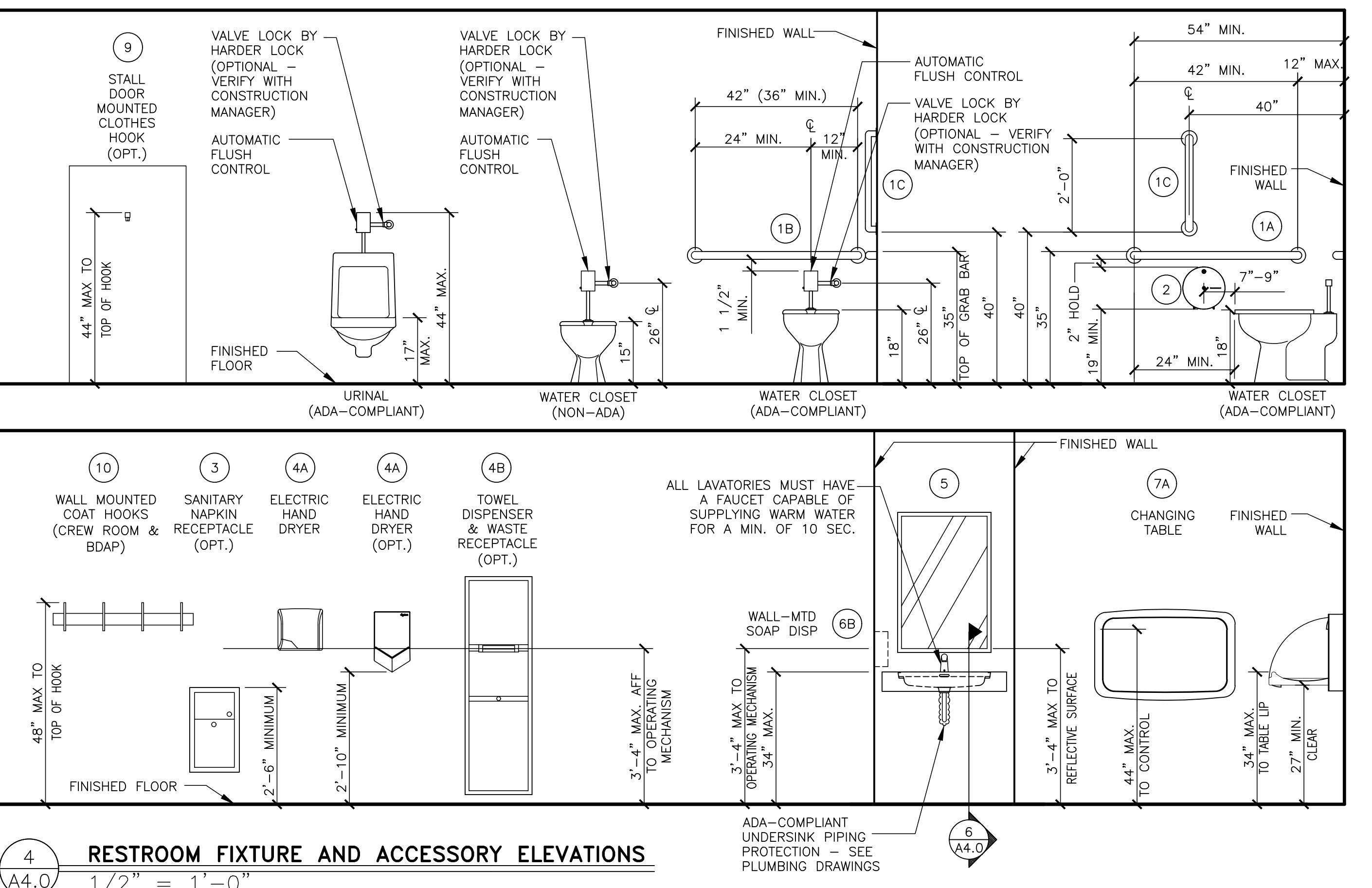
GRAPHICS SHOWN ARE FOR REFERENCE ONLY.
GC TO PROVIDE ADA SIGNAGE PACKAGE AND INSTALL SAME AT LOCATIONS AND POSITIONS INDICATED IN PACKAGE REQUIRED BY LOCAL CODES. SIGNAGE PACKAGE SUPPLIED

FRANKE/S2K
1-800-423-5247
www.frankesupply.com
email: fs-frankesupply.us@franke.com

SIGNAGE NOTES:

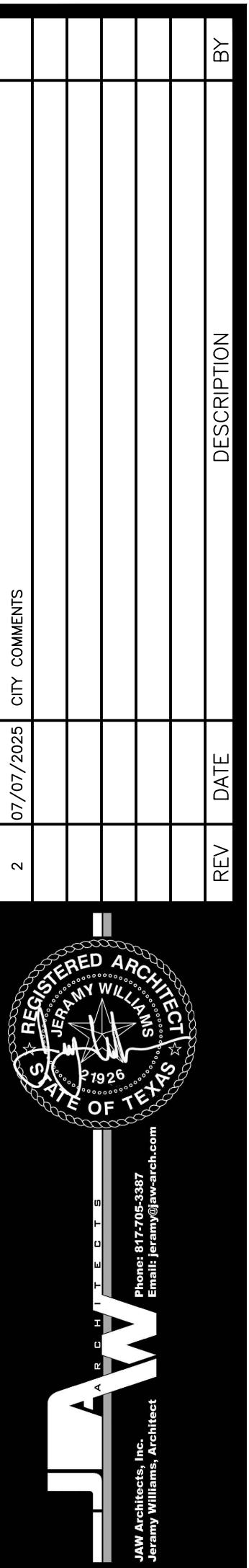
1. EACH EXIT DOOR SHALL HAVE A TACTILE SIGN, INCLUDING RAISED LETTERS AND BRAILLE, STATING 'EXIT' AND SHALL COMPLY WITH CHAPTER 7. ALL SIGNAGE SHALL CONFORM WITH ACCESSIBILITY GUIDELINES AND LOCAL GUIDELINES INCLUDING BUT NOT LIMITED TO PROPORTION, COLOR CONTRAST AND RELIEF AND GRADE 2 BRAILLE REQUIREMENTS.
 2. WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCCOMPANIED BY BRAILLE IN CONFORMANCE WITH CHAPTER 7. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISHED FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

ACCESSIBLE SIGNAGE

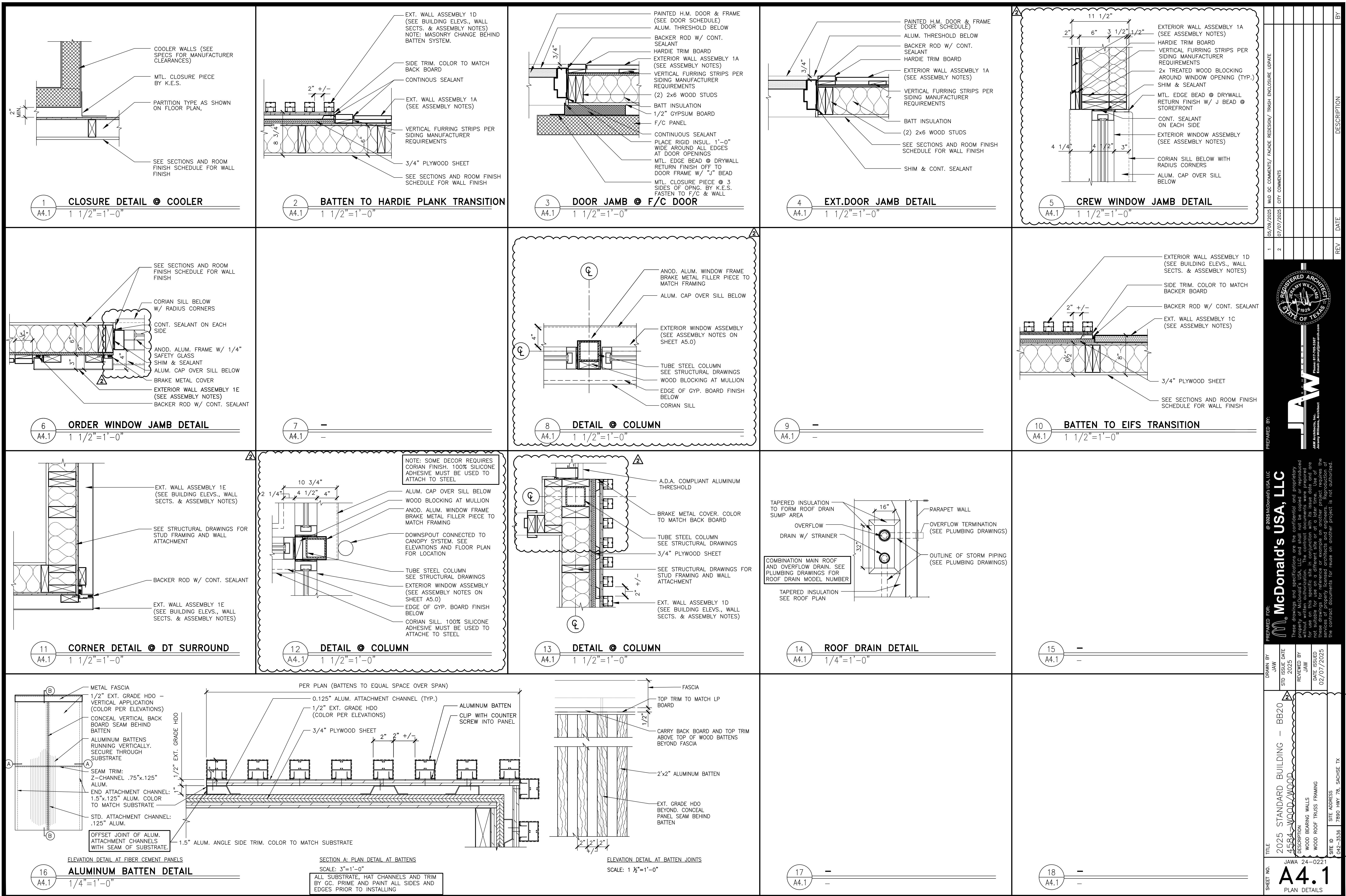


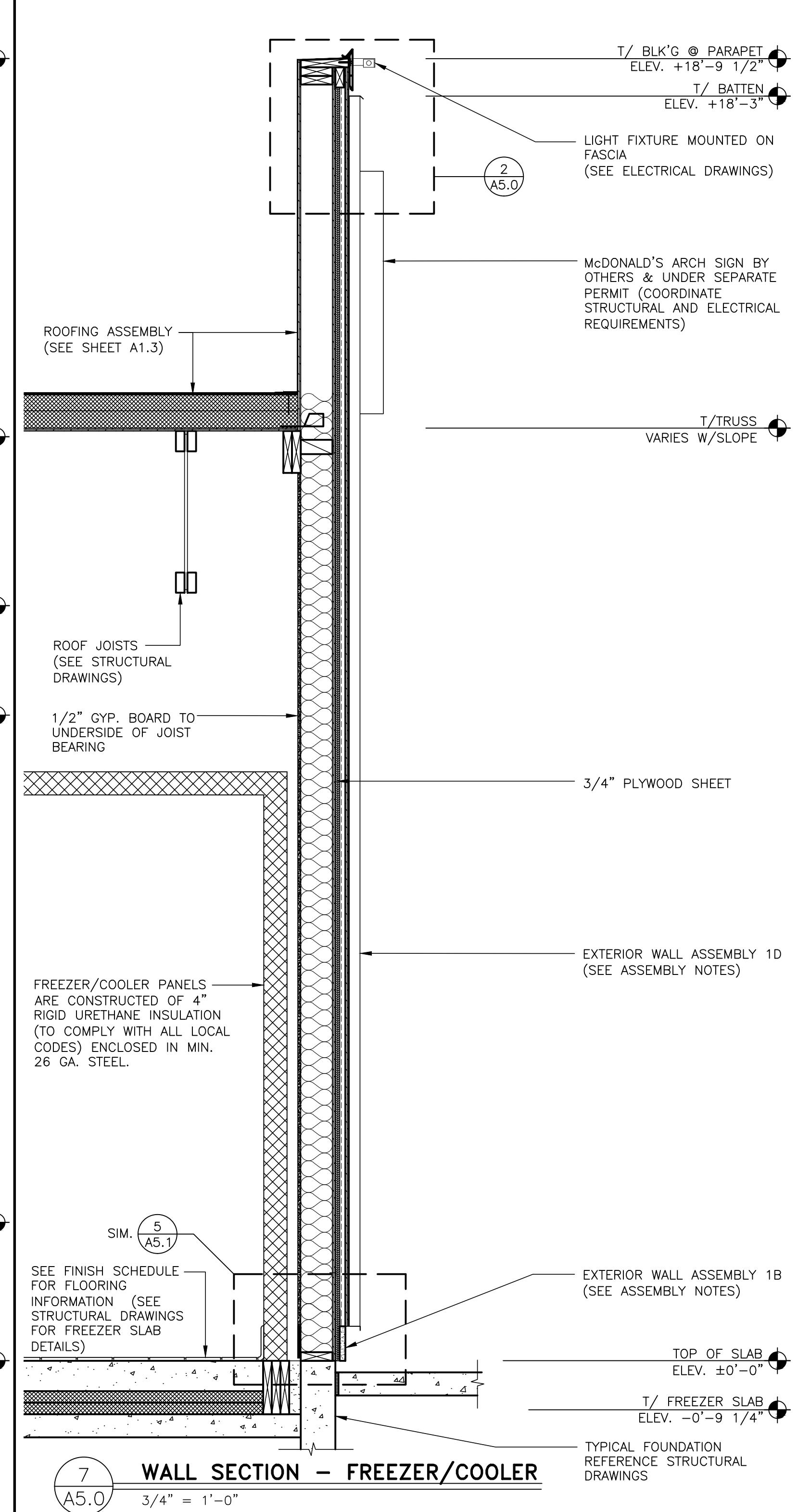
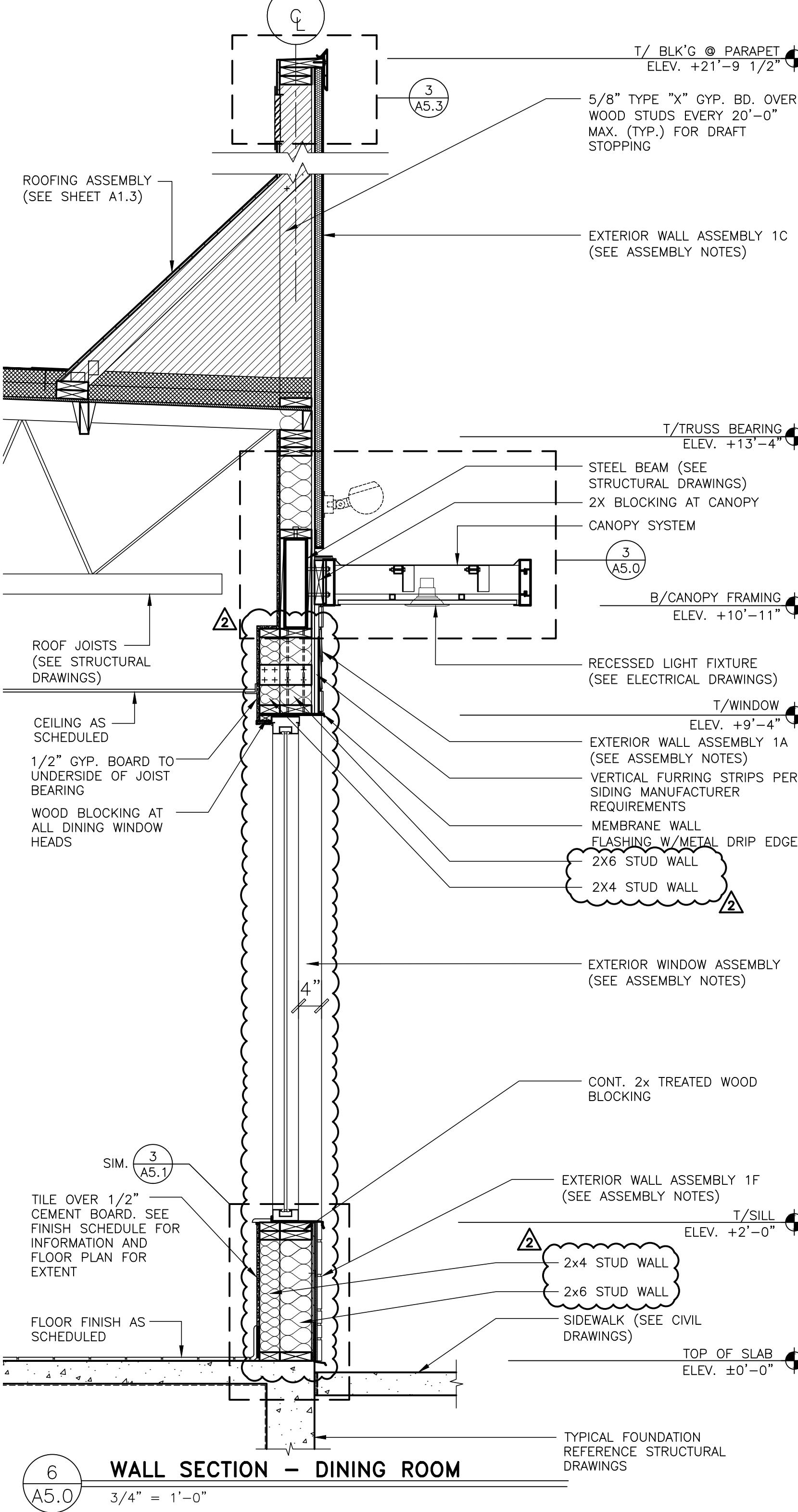
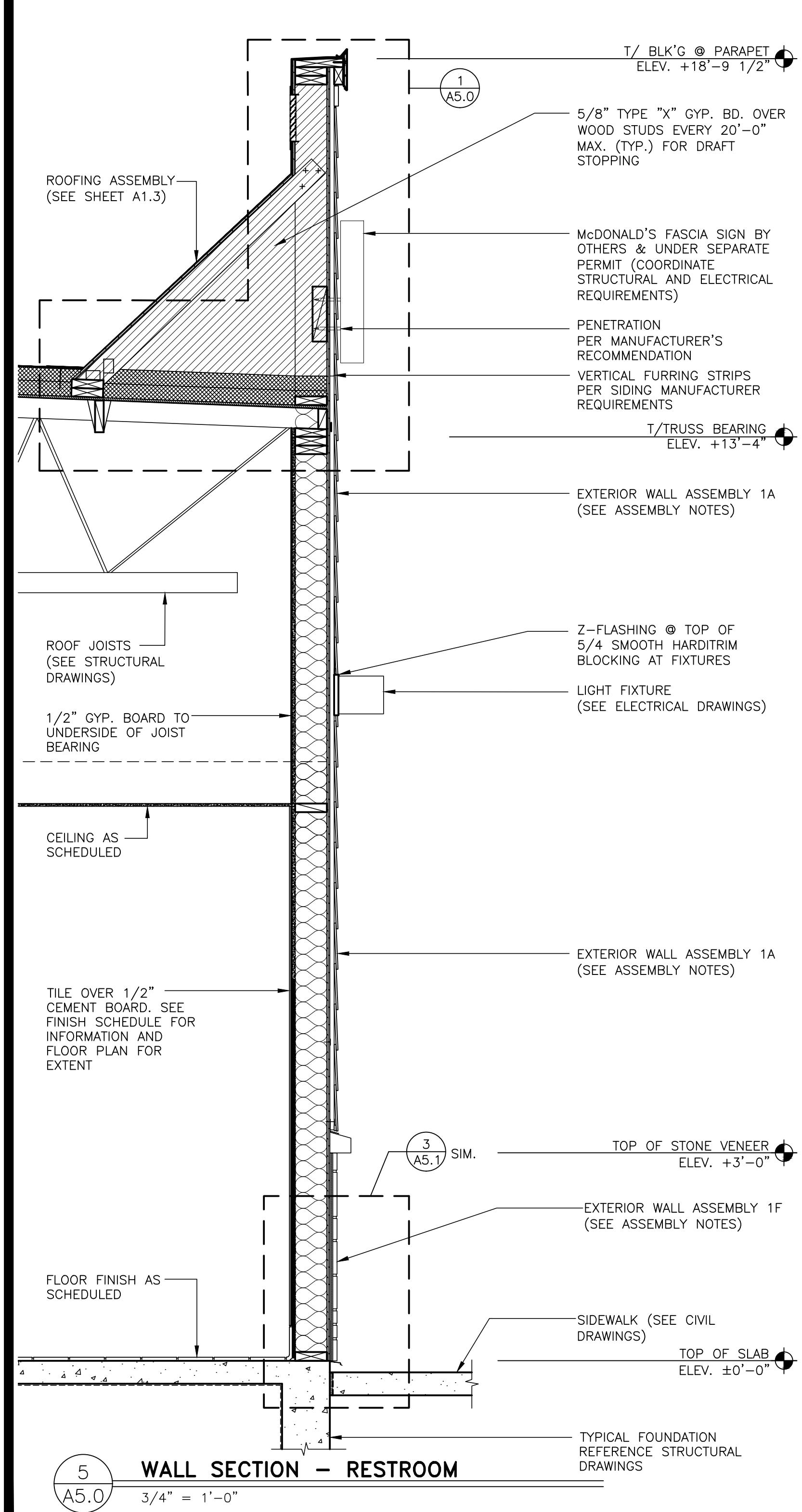
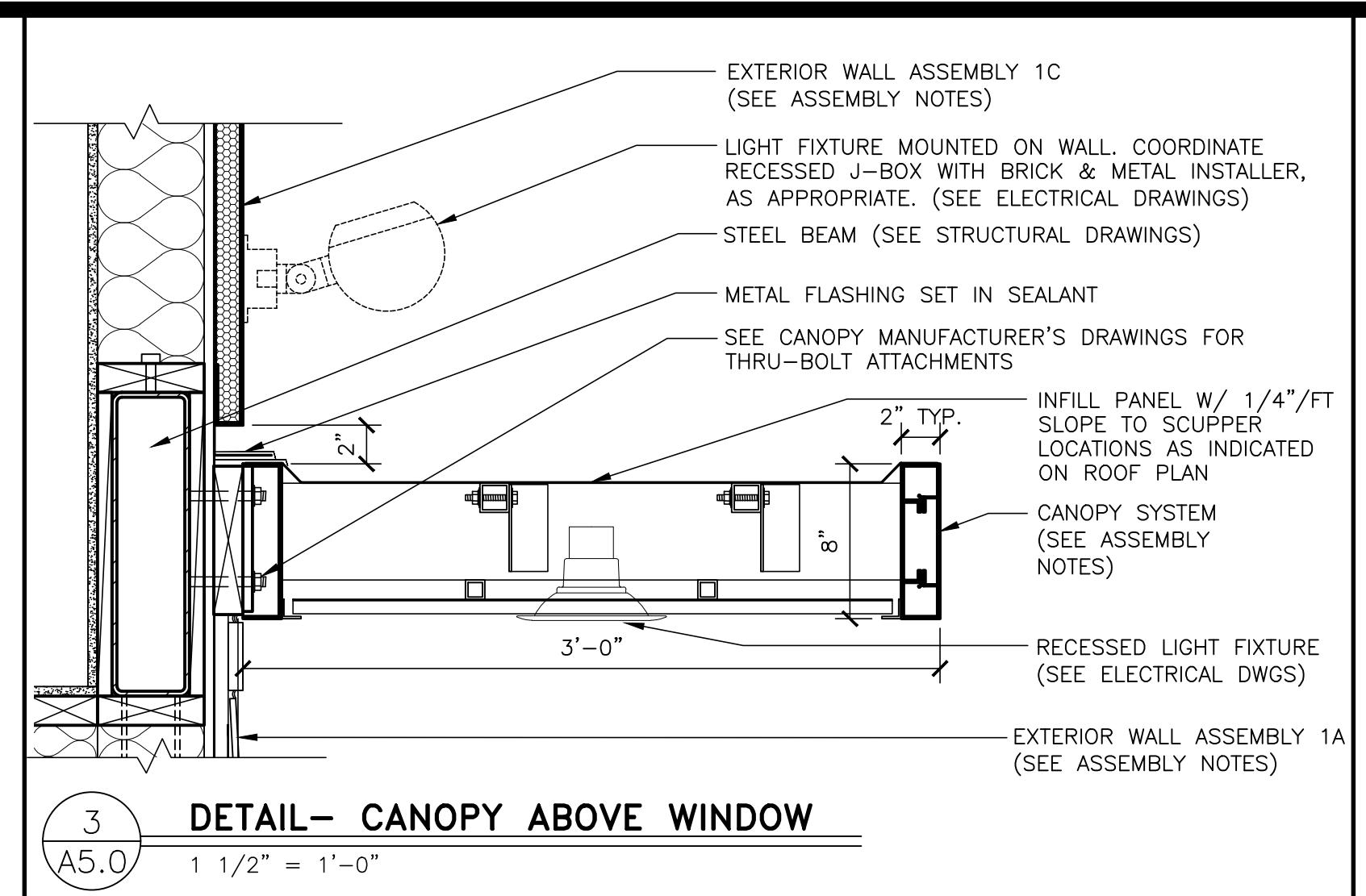
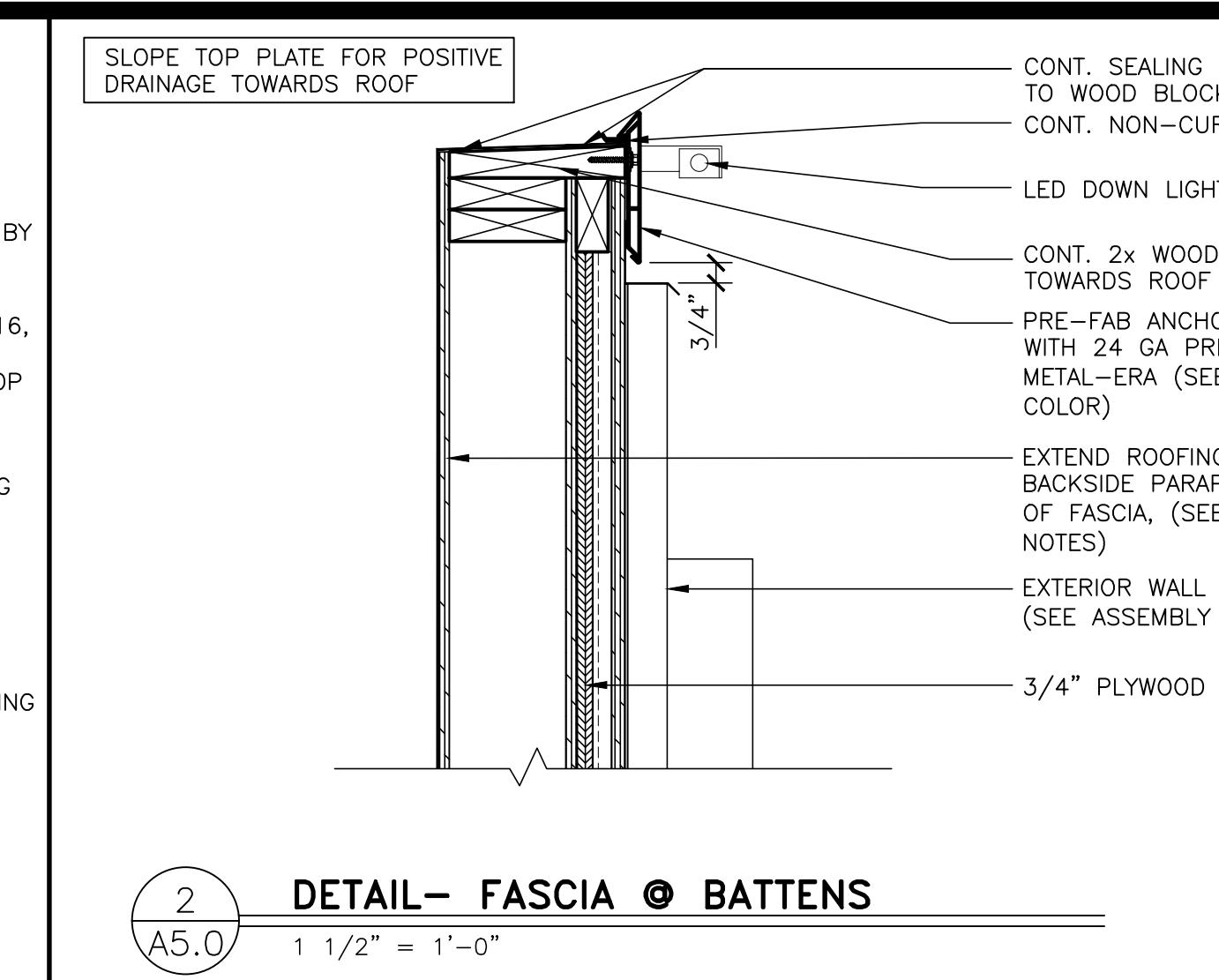
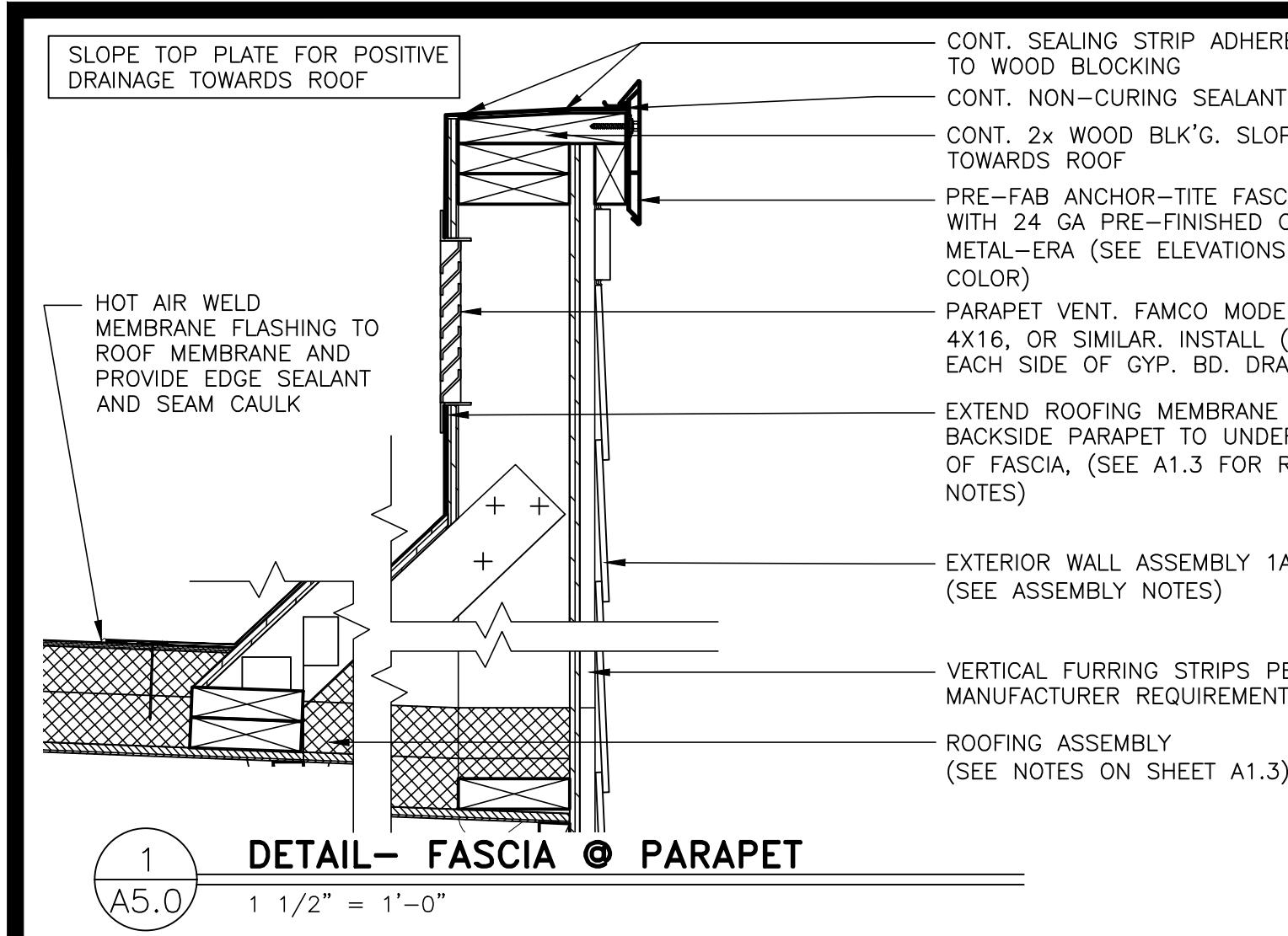
	ITEM (SEE NOTE 2)	MFR MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
1A	GRAB BAR 42"	BOBRICK B-6806X42	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	(1)2x6 4'-0" LONG CENTER MOUNTED
1B	GRAB BAR 36"	B-6806X36		
1C	GRAB BAR 24"	B-6806X24		
2	TOILET TISSUE DISPENSER, JUMBO, SURFACE MOUNTED	BRADLEY 5424	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	FRAME WALL OPENING PER MANUFACTURER'S RECOMMENDATIONS
3	SANITARY NAPKIN RECEPTACLE, RECESSED (OPTIONAL)	BOBRICK B-353	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	
4A	HAND DRYER, ENERGY EFFICIENT MODEL, ADA, ALUMINUM BRUSHED	WORLD DRYER Q-973A2 VerdeDri	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	FRAME WALL OPENING PER MANUFACTURER'S RECOMMENDATIONS
4A OPTION	HAND DRYER, ENERGY EFFICIENT MODEL ADA, SPRAYED NICKEL	DYSON AIRBLADE V	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	
4B OPTION	TOWEL DISPENSER & WASTE RECEPTACLE, COMBINATION, RECESSED (OPTIONAL)	BOBRICK B-3974	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	
5	MIRROR, CHANNEL FRAME	BOBRICK B-165 2436	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	
6A	SOAP DISPENSER, COUNTER MOUNTED, 6" SPOUT (OPTIONAL)	BOBRICK B-82216	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	
6B	SOAP DISPENSER, WALL-MOUNTED	BOBRICK B-2112	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	
7	BABY CHANGING TABLE, HORIZONTAL, RECESSED, ADA COMPLIANT, STAINLESS STEEL	KOALA KARE KB310-SSRE	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	INSTALL PER MANUFACTURER'S RECOMMENDATIONS
7 OPTION "A"	BABY CHANGING TABLE, HORIZONTAL, SURFACE MOUNT, ADA COMPLIANT, STAINLESS STEEL	KOALA KARE KB300-SS	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	INSTALL PER MANUFACTURER'S RECOMMENDATIONS
8	DIAPER CONTAINER (OPTIONAL)	-	BY OWNER	
9	CLOTHES HOOK	BRADLEY 917	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	
10	COAT RACK (CREW ROOM & BDAP)	BRADLEY 9944	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	

RESTROOM ACCESSORY SCHEDULE



2025 STANDARD BUILDING – BB20		JAWA 24-0221	
4584-WOOD/WOOD			
<p style="text-align: center;">DESCRIPTION</p> <p>WOOD BEARING WALLS</p> <p>WOOD ROOF TRUSS FRAMING</p>		<p style="text-align: center;">REVIEWED BY JAW</p> <p style="text-align: center;">DATE ISSUED 02/07/2025</p>	
SITE ID	SITE ADDRESS		
042-3536	7890 HWY 78, SACHSE TX		





EXTERIOR WALL ASSEMBLIES FROM EXTERIOR TO INTERIOR

- 1A. FIBER CEMENT HORIZONTAL LAP SIDING
 - 1. JAMES HARIE, HARIEPLANKE LAP SIDING, SMOOTH, 8 1/4" WIDTH, 7" EXPOSURE, HZ10, COLOR: SEE ELEVATIONS.
 - a. COORDINATE FIBER CEMENT PANELS WITH FLASHING, TRIM, PARAPET WALLS AND OTHER ADJOINING WORK TO PROVIDE A LEAKPROOF, SECURE AND NONCORROSIVE INSTALLATION. INSTALL A 2" STARTER STRIP TO ENSURE A CONSISTENT PLANK ANGLE. OVERLAP PANELS 1 1/4" MIN. PROVIDE 7" EXPOSURE. SEE EXTERIOR ELEVATIONS.
 - b. USE A POLYCRYSTALLINE DIAMOND-TIPPED FIBER CEMENT BLADE FOR CIRCULAR, MITER, AND TABLE SAWS.
- 1B. TRU EXTERIOR
 - 1. 1"X6" PRE-PRIMED TRIM. COLOR: SEE ELEVATIONS. NAIL TRIM PIECES IN PLACE WITHIN 2" OF THE EDGE OF THE TRIM PIECE AND EVERY 16" ALONG THE LENGTH OF THE TRIM, USING MANUFACTURER APPROVED NAILS. INSTALL PER LOCAL CODES AND MANUFACTURERS SPECIFICATIONS.
- 1C. EIFS SYSTEM
 - 1. "OUTSULATION PLUS MD" BY DRYVIT SYSTEMS. DRAINAGE EIFS SYSTEM (NOT BARRIER) CONSISTING OF 1 1/2" INSULATION WITH FIBER REINFORCING MESH MECHANICALLY FASTENED. USE "PANZER 20 ULTRA-HIGH IMPACT MESH" IN AREAS BELOW 8'-0" IF APPLICABLE. FINISH: HYDROPHOBIC TEXTURE: FINESSE. INSTALL PER LOCAL CODES AND MANUFACTURERS SPECIFICATIONS ON TERMINATION AND INSTALLATION DETAILS.
- 1D. VERTICAL BATTEN SYSTEM
 - 1. ALUMINUM BATTEN W/MOUNTING BACK RAIL. SIZE: 2" WIDE x 2" DEEP. REFER TO EXTERIOR ELEVATIONS FOR COLOR. INSTALL PER LOCAL CODES AND MANUFACTURERS SPECIFICATIONS ON TERMINATION AND INSTALLATION DETAILS. BY SUPPLIER. INSTALL
 - 2. 1/2" EXTERIOR HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1. HDO BOTH FACES. APA TRADEMARKED, SAND WITH COURSE GRIT ALL SURFACES PRIOR TO PRIMING, PRIME AND PAINT BOTH SIDES AND ALL EDGES. BY GC, INSTALL BY GC. ALUM. EDGE TRIM BY GC. COLOR TO MATCH SUBSTRATE.
 - 3. ALUMINUM CHANNEL BY GC, INSTALL BY GC

PREPARED BY:	JAW	DATE:	
1	05/09/2025	M&P QC COMMENTS/ FAÇADE REDESIGN / TRASH ENCLOSURE UPDATE	
2	07/07/2025	CITY COMMENTS	
3			
4			

REGISTERED ARCHITECT
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STATE OF TEXAS
#12526
JAW Architects, Inc.
James Harie, Architect

McDonald's USA, LLC

PREPARED FOR:

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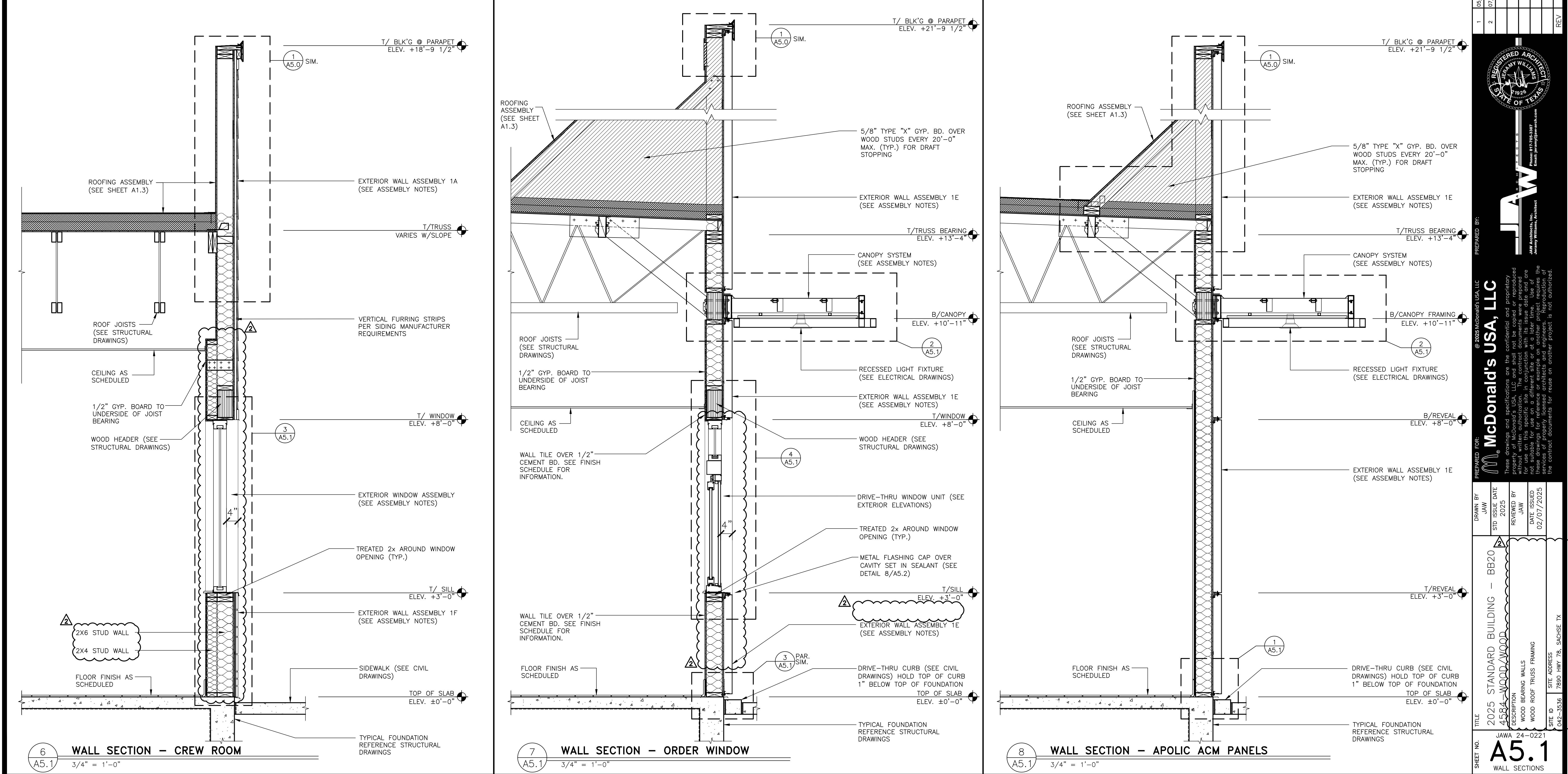
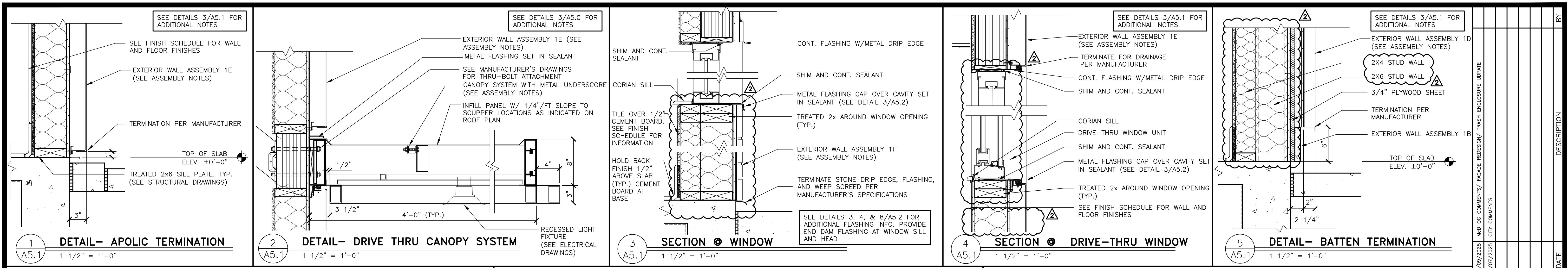
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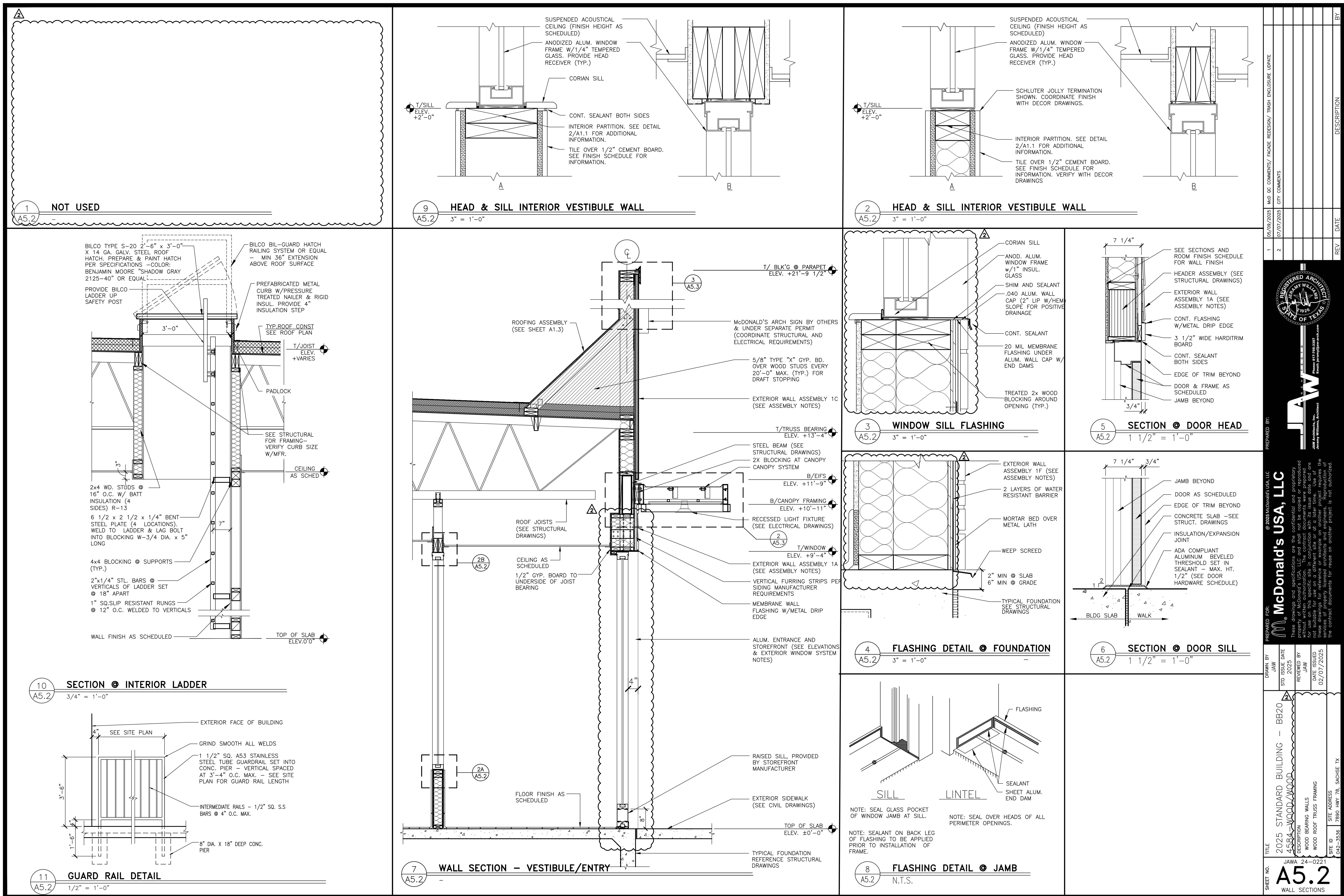
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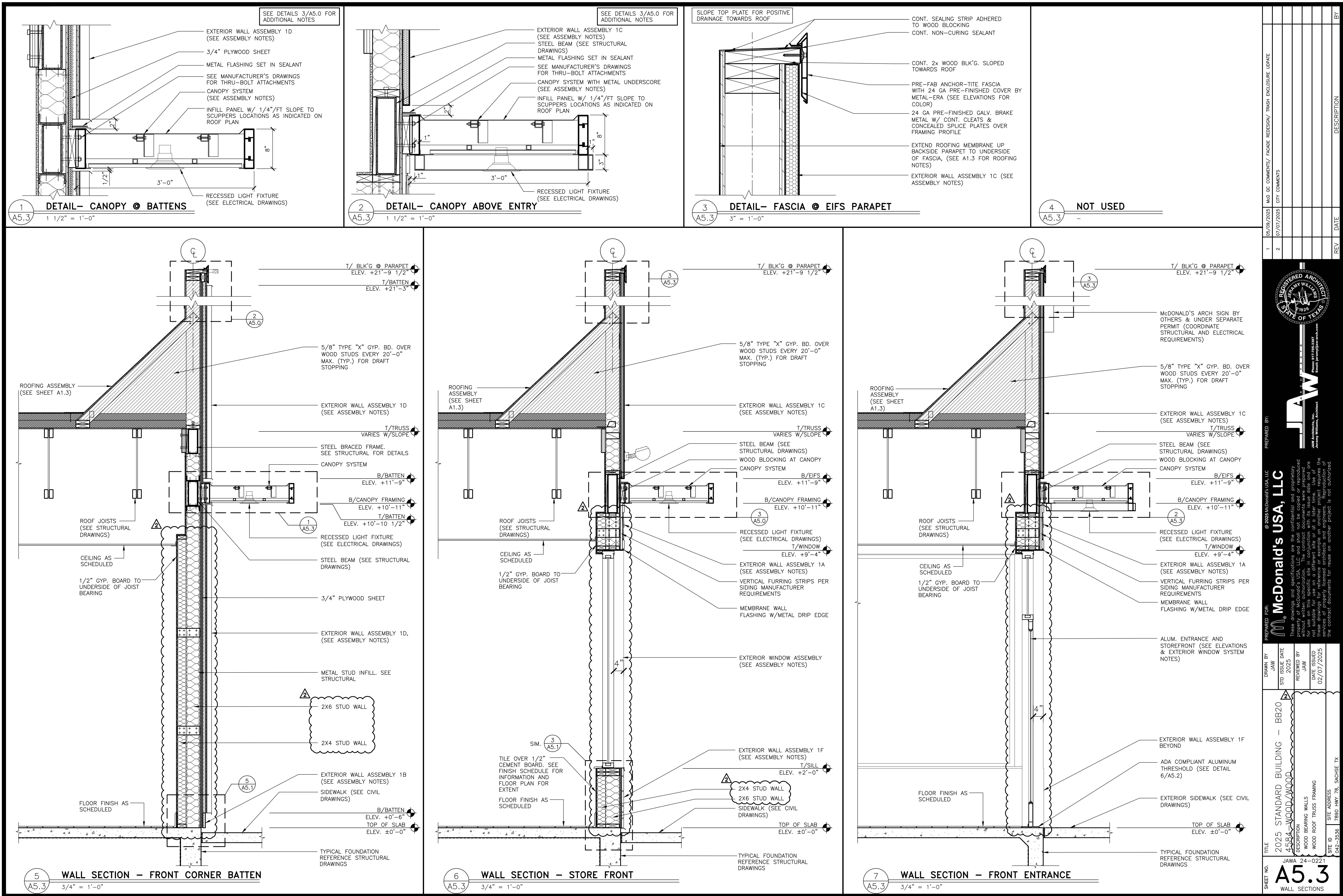
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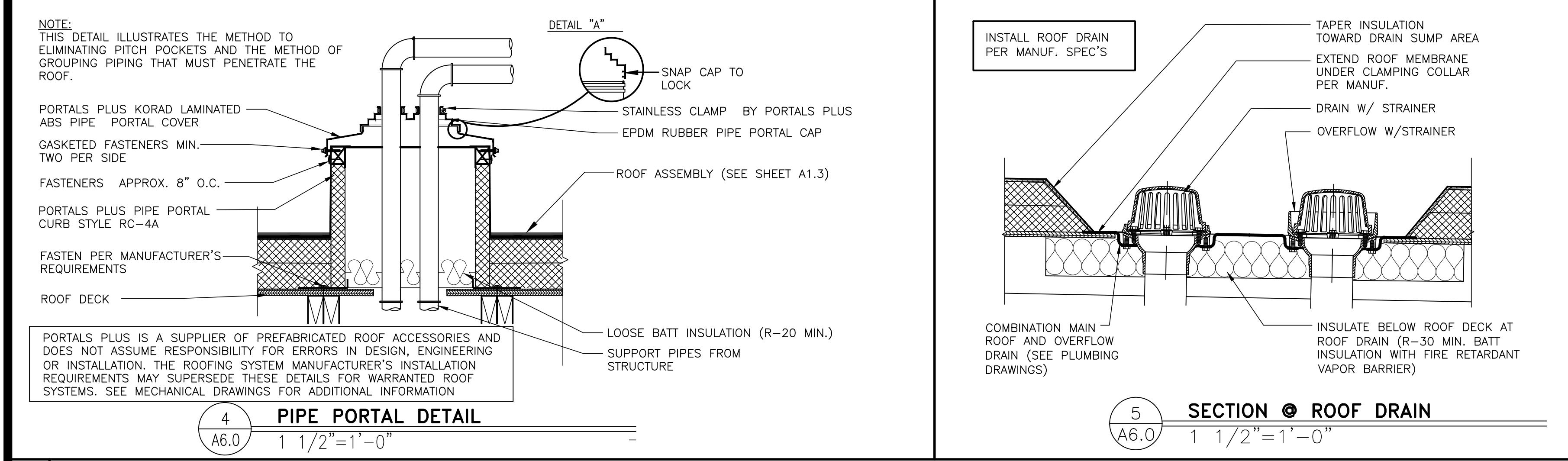
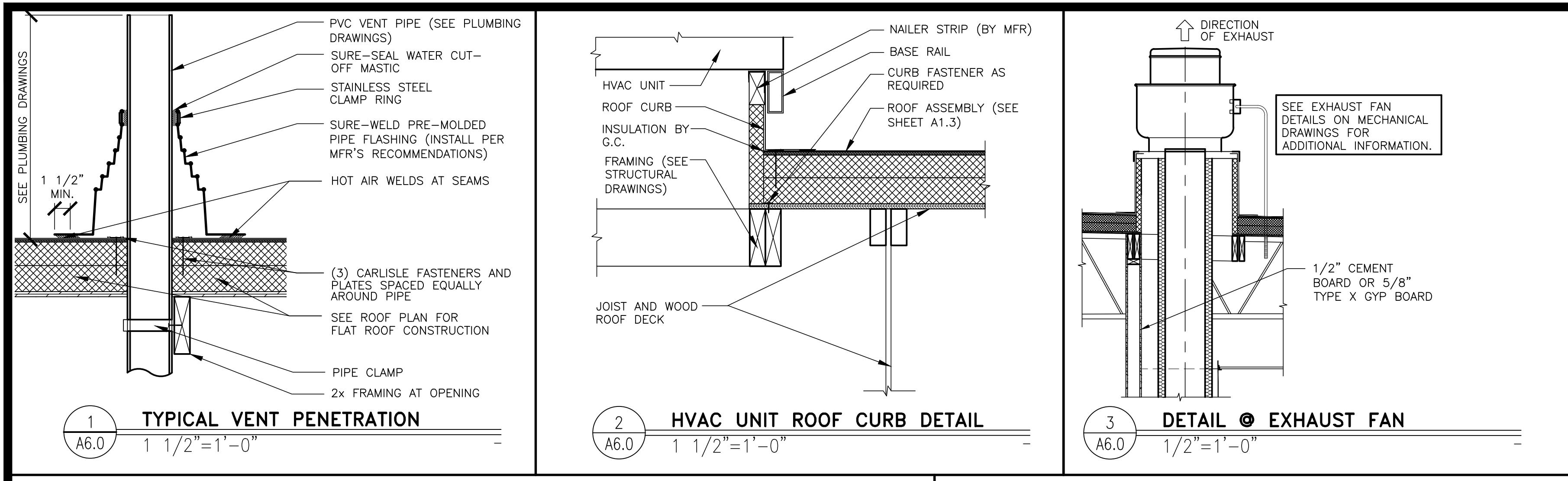
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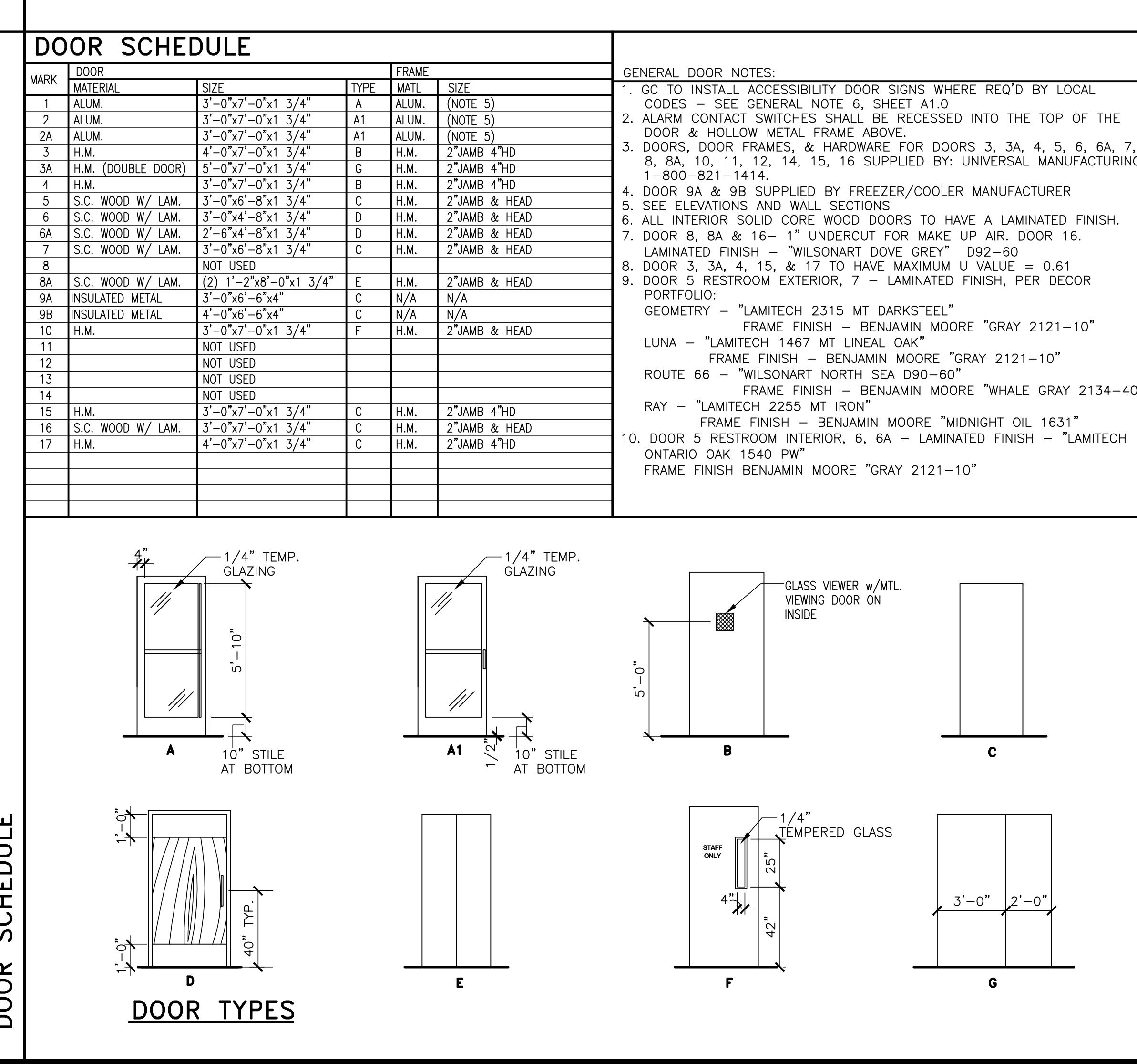
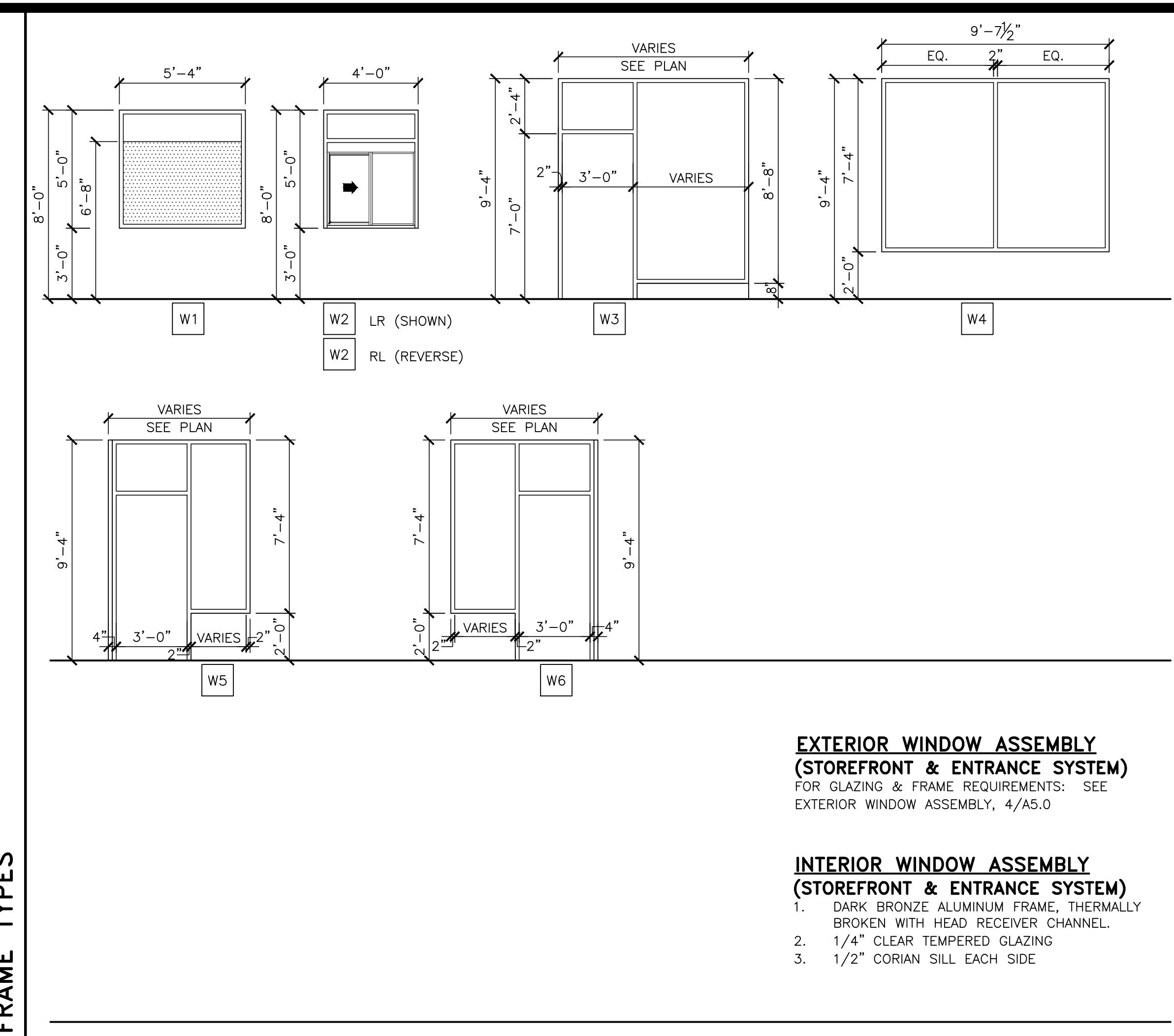




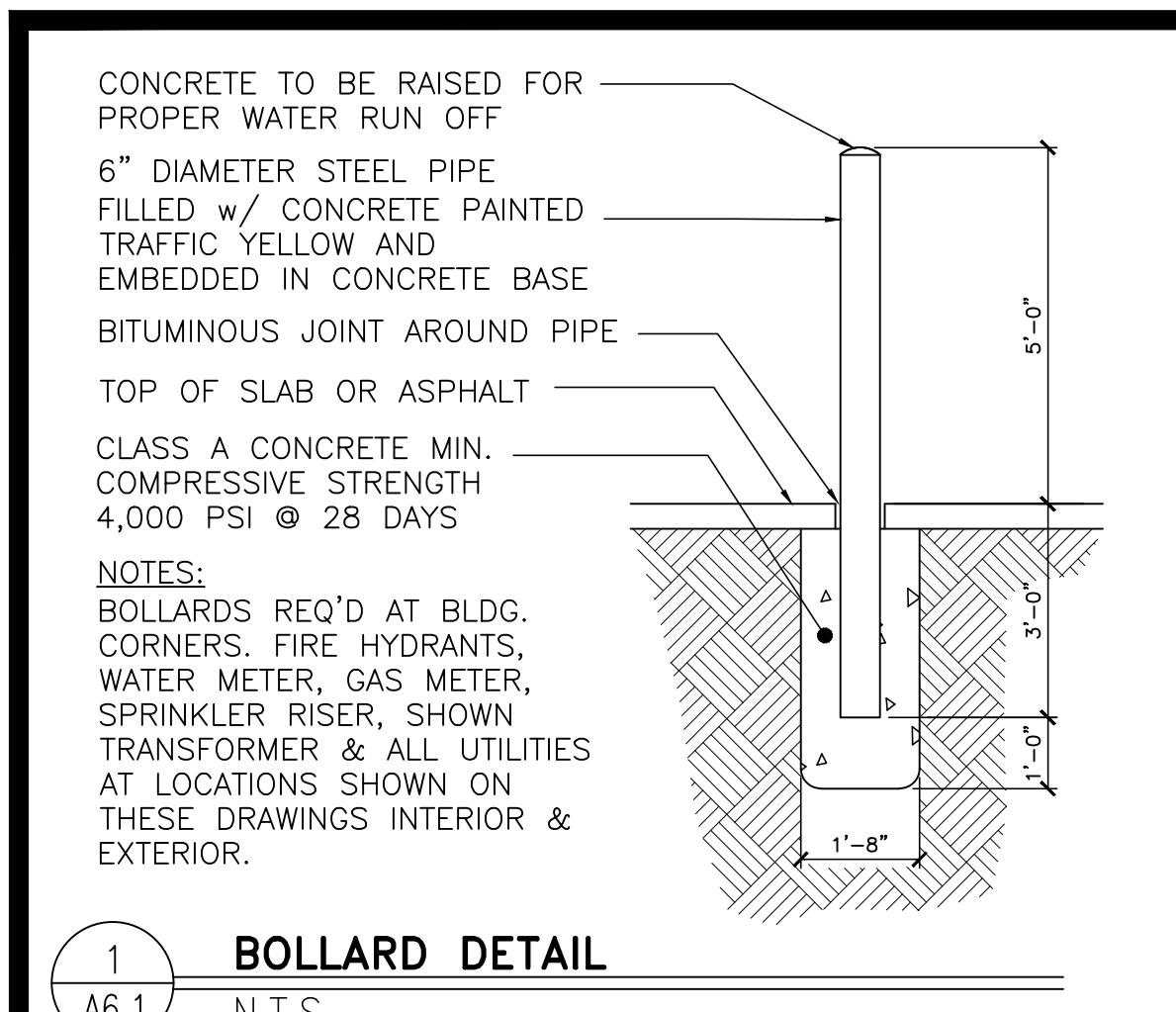


GENERAL NOTES:	
1. ALL EXIT DOORS SHALL BE KEYLESS IN THE DIRECTION OF EGRESS.	
2. THE OPENING FORCE OF ALL EXT. PUSH/PULL DOORS SHALL NOT EXCEED 8 1/2 LBS.	
3. THE OPENING FORCE OF ALL INTERIOR PUSH/PULL DOORS SHALL NOT EXCEED 5 LBS.	
4. PROVIDE PANIC HARDWARE FOR ALL EXTERIOR DOORS AS NOTED ON THE DOOR SCHEDULE.	
5. ALL DOOR HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.	
DOOR #4 - REAR EXIT	
1. 1 EA HINGE 780-112HD 83" ALUM HAGER	
2. 1 EA CLOSER 4111-H-CUSH ALUM LCN	
3. 1 EA PANIC 9975EC-LD 38" SP28 V.DUPRIN	
4. 1 EA TRIM 9907 US26 V.DUPRIN	
5. 1 EA ALARM LOCK PC2110 MSS ALARM	
6. 1 EA KICKPLATE CLP110 US32D DON-JO	
7. 1 EA TREADPLATE 24 X 48 UNCO	
8. 1 EA WTH/STP160V 36 X 84 N.GUARD	
9. 1 EA THRESHOLD 325HD 36" N.GUARD	
10. 1 EA SWEEP 101VA 36" N.GUARD	
11. 1 EA VIEW FRAME LVGLFD 9 X 9 DKB W/FLAP ON INSIDE N.GUARD	
12. 1 EA MORTISE CYL HOUSING 7PIN SFIC 626	
13. 1 EA 7 PIN CONSTRUCTION CORE FOR ABOVE 626	
14. 1 EA CONTROL KEY FOR ABOVE	
DOOR #1 - ENTRY DOOR/EMERGENCY EXIT	
1. 1 EA CLOSER LCN 4021 x 18	
2. 3 EA HINGES OFFSET PIVOT ANSI -A-156.4 GRADE 1; PROVIDE EXPOSED PARTS OF CAST ALUMINUM ALLOY, AS SUPPLIED BY DOOR MANUFACTURER.	
3. 1 EA PULL HANDLE ROCKWOOD MFG. MODEL: RM3311. SIZE: 1-1/4" DIA. CTC: 5'-10". FINISH TO MATCH STOREFRONT DOOR. OFFSET MOUNTING: TYPE TXHD - THRU BOLT HEAVY DUTY (PUSH TO MATCH STOREFRONT DOOR)	
4. 1 EA PULL HANDLE ADAMS RITE MFG. CO. 8800 SERIES WITH OUTSIDE CYLINDER	
5. 1 EA THRESHOLD NATIONAL GUARD PRODUCTS, INC. SADDLE TYPE THRESHOLD 325, 36" WIDE x 1/2" RISE (ADA ACCESSIBLE).	
6. 1 EA WEATHER STRIPPING: PROVIDE COMPRESSION WEATHER STRIPPING AGAINST FIXED STOPS, AT OTHER EDGES PROVIDED SLIDING WEATHER STRIPPING RETAINED IN ADJUSTABLE STRIP MORTISED INTO DOOR EDGE. PROVIDED EPDM OR VINYL GASKET WEATHER STRIPPING IN BOTTOM DOOR RAIL ADJUSTABLE FOR CONTACT W/ THRESHOLD.	
7. 1 EA SIGN MOUNT ONTO DOOR, TO READ "THIS DOOR MUST REMAIN UNLOCKED WHENEVER THE BUILDING IS OCCUPIED/DURING BUSINESS HOURS."	
DOOR #2 & #2A - VESTIBULE	
1. 1 EA CLOSER LCN 4041 x 18	
2. 3 EA HINGES OFFSET PIVOT ANSI -A-156.4 GRADE 1; BY DOOR MANUFACTURER.	
3. 1 EA PULL/PUSH HANDLE HAGER PUSHPULL SET 1640/V.F.	
4. 1 EA (DOOR #2A) PANIC HARDWARE ADAMS RITE MFG. CO. 8800 SERIES WITH OUTSIDE CYLINDER (FINISH TO MATCH STOREFRONT DOOR)	
DOOR #3 - STORAGE DELIVERY	
1. 1 EA HINGE 780-112HD 83" ALUM HAGER	
2. 1 EA CLOSER 4111 H-CUSH ALUM LCN	
3. 1 EA PANIC 9975EC-LD 48" SP28 V.DUPRIN	
4. 1 EA TRIM 9907 US26 V.DUPRIN	
5. 1 EA ALARM LOCK PC2110 MSS ALARM	
6. 1 EA LOCKGUARD CLP110 US32D DON-JO	
7. 1 EA TREADPLATE 24 X 46 UNCO	
8. 1 EA WTH/STP160V 48 X 84 N.GUARD	
9. 1 EA THRESHOLD 325HD 48" N.GUARD	
10. 1 EA SWEEP 101VA 48" N.GUARD	
11. 1 EA VIEW FRAME LVGLFD 9 X 9 DKB W/FLAP ON INSIDE N.GUARD	
12. 1 EA MORTISE CYL HOUSING 7PIN SFIC 626	
13. 1 EA 7 PIN CONSTRUCTION CORE FOR ABOVE 626	
14. 1 EA CONTROL KEY FOR ABOVE	
DOOR #3A - FREEZER DELIVERY (DOUBLE DOOR)	
1. 2 EA CONTINUOUS HINGE A210HDC 83	
2. 1 EA DEADBOLT B661P 626 SCHLAGE	
3. 1 EA LATCH PROTECTOR CLP-110 630	
4. 1 EA PULL H3E US28 HAGER	
5. 1 EA GASKET 160V 1 x 60" 2 x 84" SMS-TEKS 6 x 3/4"	
6. 1 EA DRIP CAP 16 x 60" SMS-TEKS 6 x 3/4"	
7. 1 EA TREADPLATE 24 X 46 CMS CUT W/ HOLES 24" x 22"	
8. 1 EA TREADPLATE 24 X 46 CMS CUT W/ HOLES 24" x 34"	
9. 2 EA SURFACE BOLT 275D 9" US26	
10. 1 EA THRESHOLD 325 HD 60" N.GUARD	
11. 1 EA SWEEP 101VA 24" N.GUARD	
12. 1 EA SWEEP 101VA 36" N.GUARD	
DOOR #7 - DINING ROOM JANITOR'S CLOSET	
1. 3 EA HINGE BB1279 4 1/2 x 4 1/2 US26 HAGER	
2. 1 EA LOCK ND60PD RHO 626 SCHLAGE	
DOOR #8 - COMPUTER CLOSET (NOT USED)	
1. 8 EA HINGE BB1279 4 1/2 x 4 1/2 US26 HAGER	
2. 1 EA LOCK ND60PD RHO 626 SCHLAGE	
3. 2 EA FLUSH BOLT 283D US26 HAGER	
DOOR #8A - COMPUTER CLOSET	
1. 8 EA HINGE BB1279 4 1/2 x 4 1/2 US26 HAGER	
2. 1 EA LOCK ND60PD RHO 626 SCHLAGE	
3. 2 EA FLUSH BOLT 283D US26 HAGER	

DOOR HARDWARE	
1. 2 EA CONTINUOUS HINGE A210HDC 83	
2. 1 EA DEADBOLT B661P 626 SCHLAGE	
3. 1 EA LATCH PROTECTOR CLP-110 630	
4. 1 EA PULL H3E US28 HAGER	
5. 1 EA GASKET 160V 1 x 60" 2 x 84" SMS-TEKS 6 x 3/4"	
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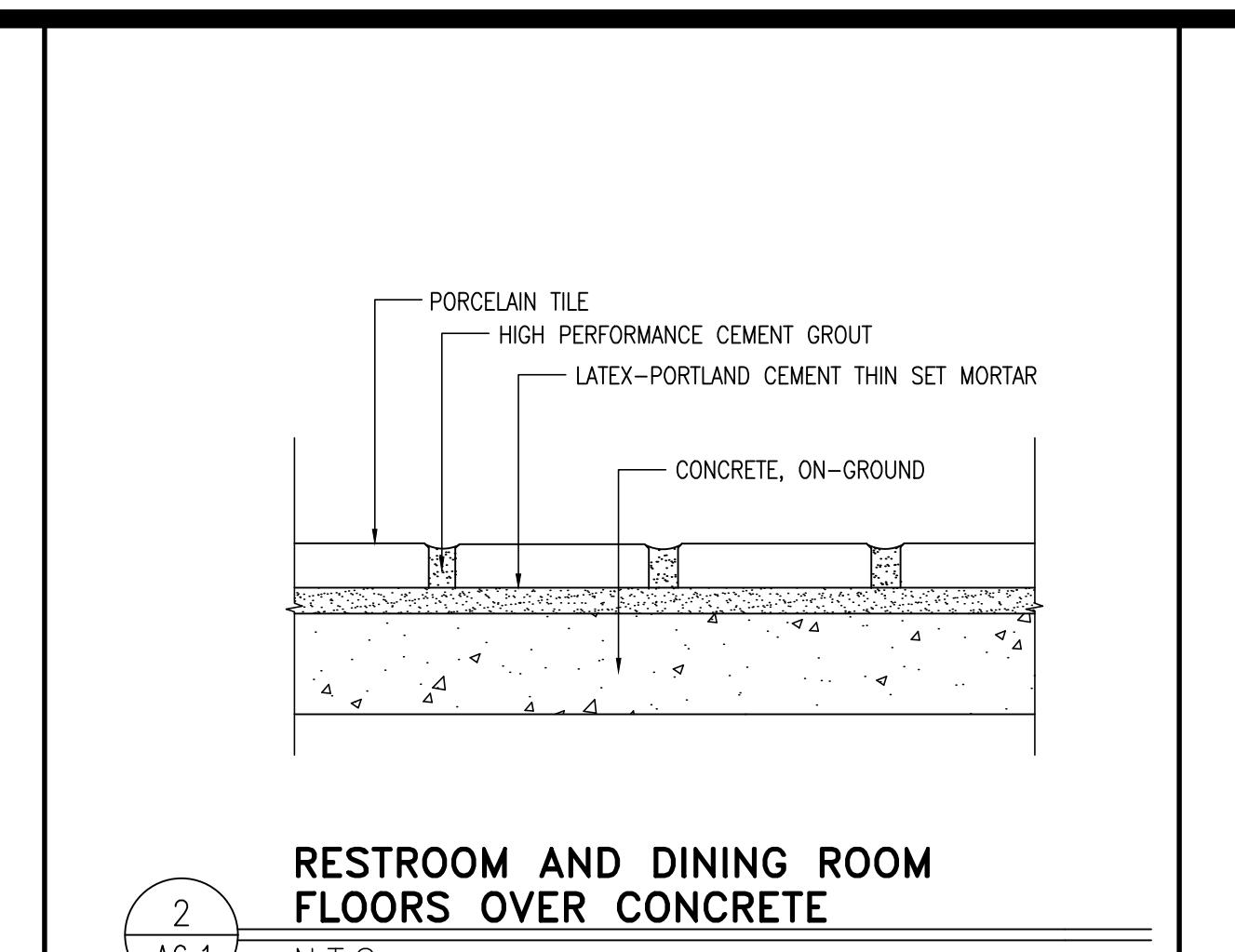


PREPARED BY:	JAW	STD ISSUE DATE:	2/07/2025
RECORDED ARCHITECT: JAMES WILLIAMS, AIA, LEED AP	JAW	DATE ISSUED:	02/07/2025
McDonald's USA, LLC	JAW	REV:	
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STD ISSUE DATE: 2/07/2025			
REVIEWED BY: JAW			
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TITLE: 2025 STANDARD BUILDING - BB20			
DESCRIPTION: 4584-WOOD/WOOD			
SITE ADDRESS: 7850 Hwy 78, Sachse, TX			
SITE ID: 042-356			
SHEET NO. A6.0			
DOOR & HARDWARE			



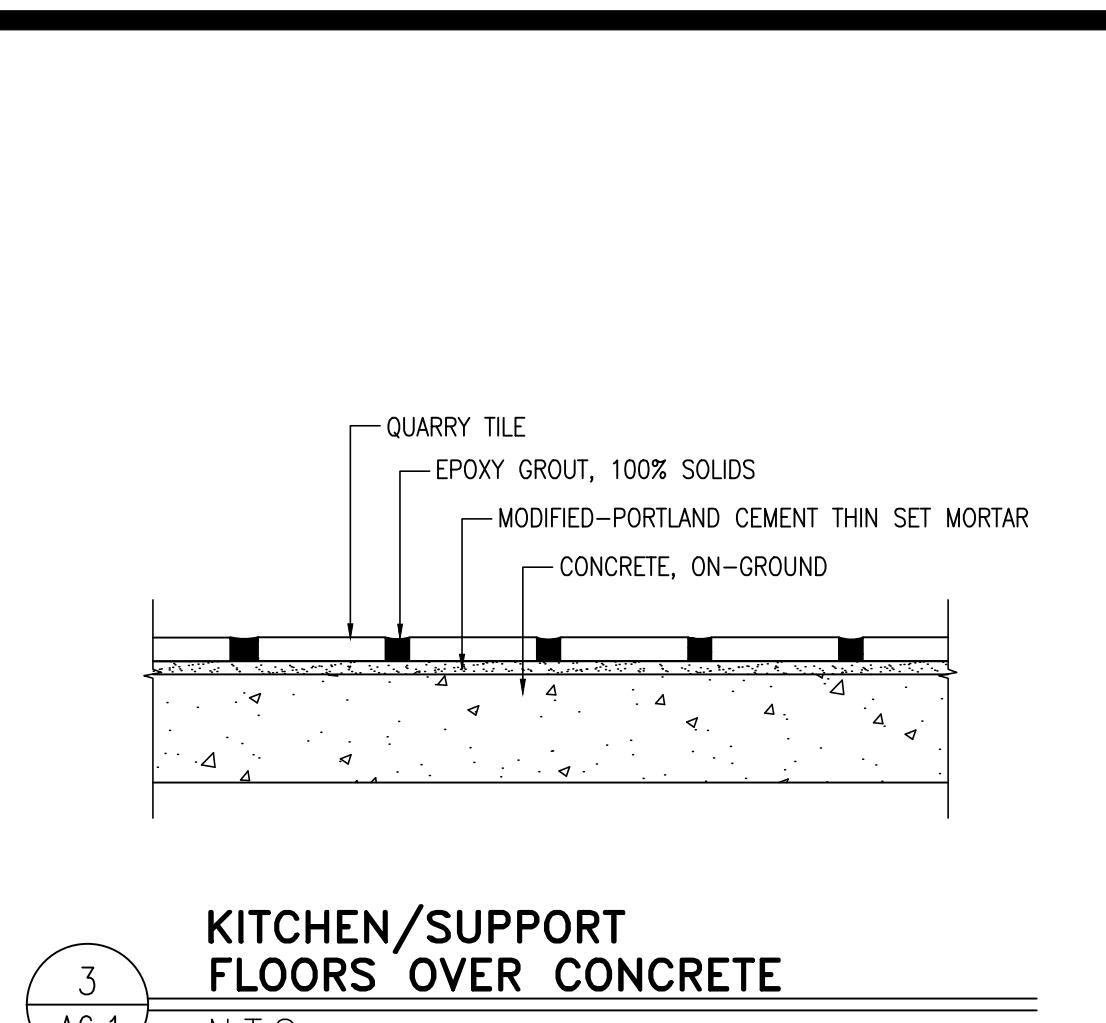
1 BOLLARD DETAIL

A6.1 N.T.S.



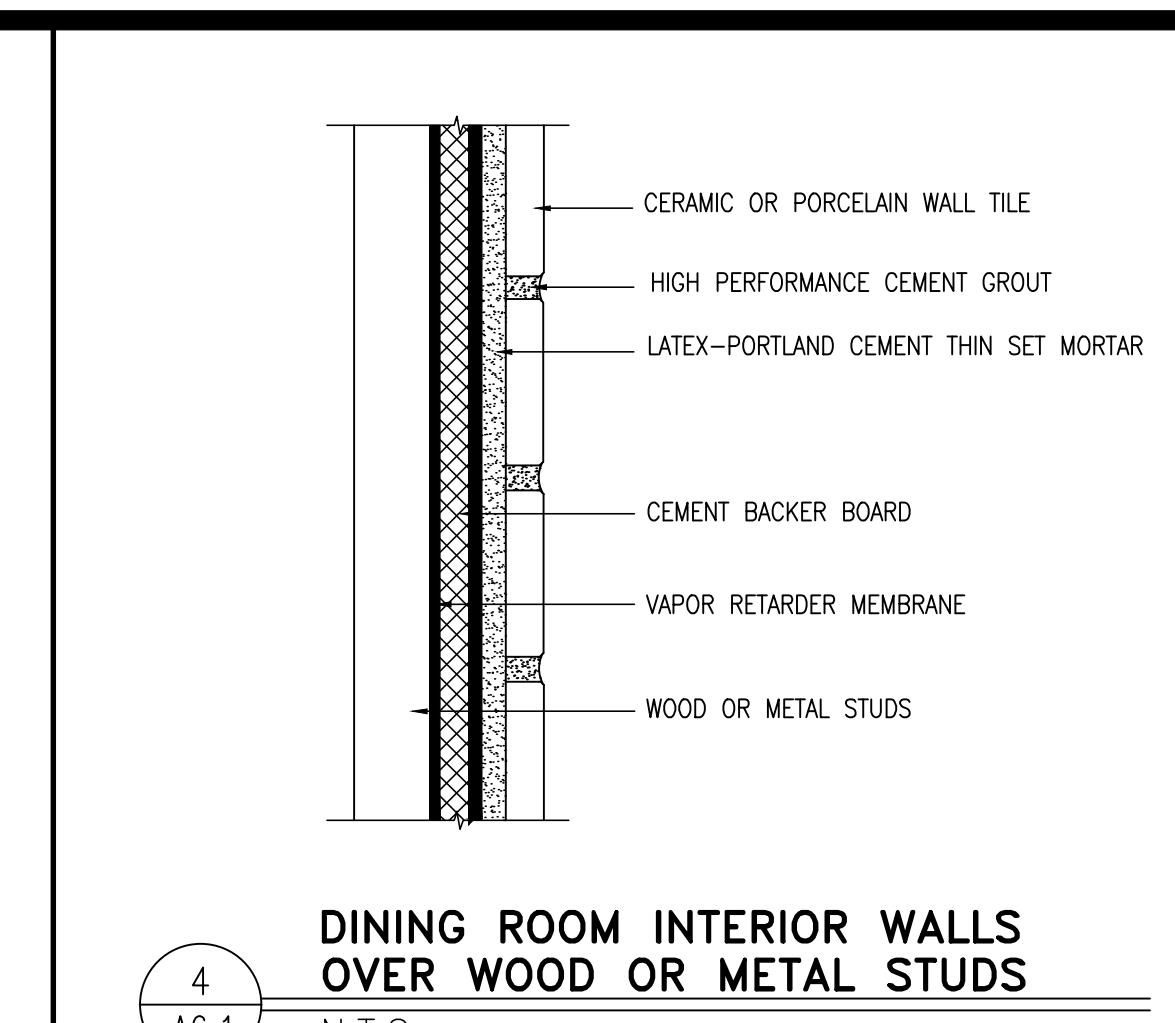
2 RESTROOM AND DINING ROOM FLOORS OVER CONCRETE

A6.1 N.T.S.



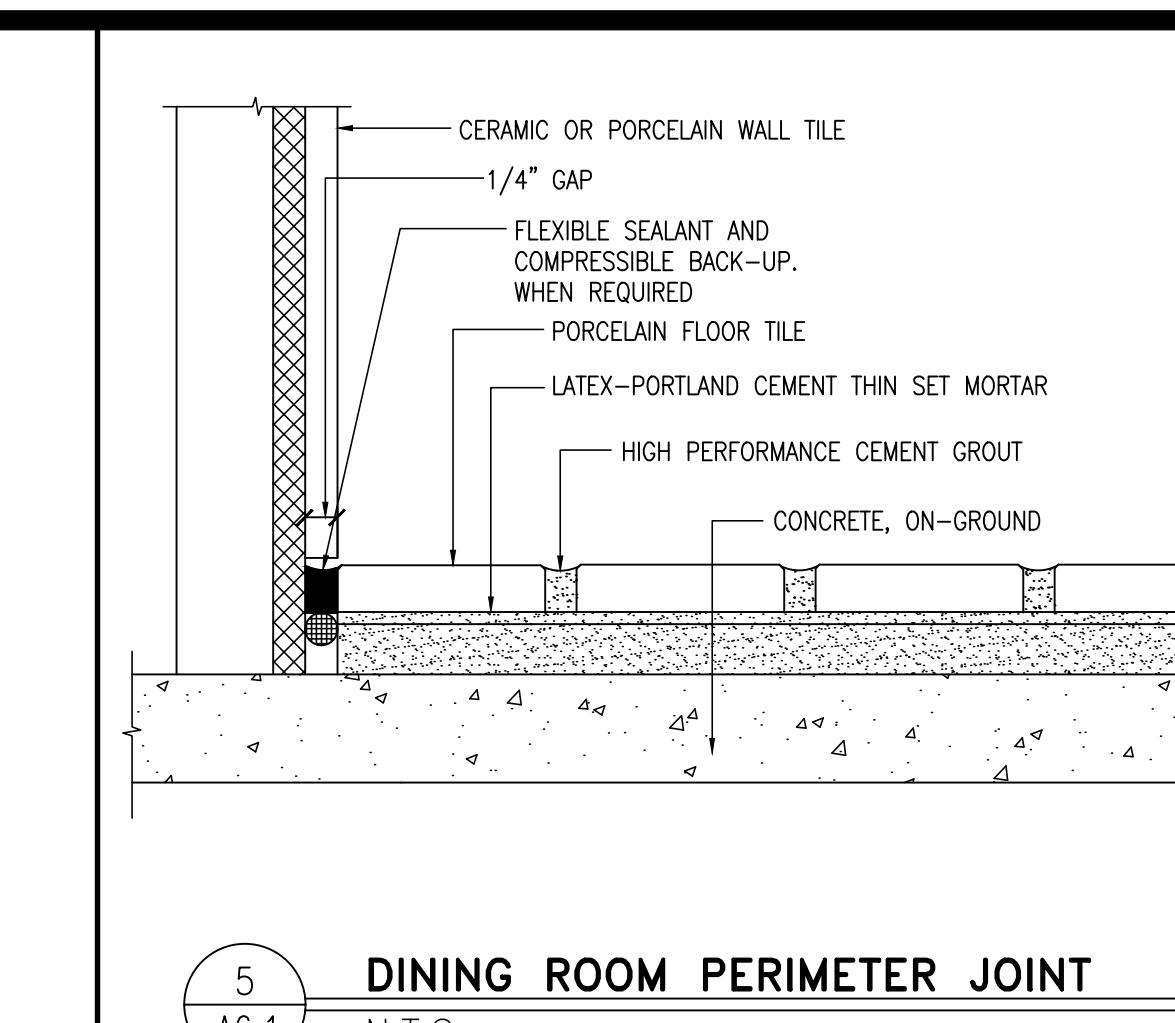
3 KITCHEN/SUPPORT FLOORS OVER CONCRETE

A6.1 N.T.S.



4 DINING ROOM INTERIOR WALLS OVER WOOD OR METAL STUDS

A6.1 N.T.S.



5 DINING ROOM PERIMETER JOINT

A6.1 N.T.S.

WALL TILE SCHEDULE - LUNA

MARK	ROOM NAME	WALL	MORTAR SETTING BED	GROUT
100	CUSTOMER SERVICE	CERAMIC OR PORCELAIN WALL TILE (NOTE 5C)	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
101	DINING	SEE DINING ROOM FINISH SCHEDULE (NOTE 5B & 5C)	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
102	WOMEN'S TOILET	CERAMIC OR PORCELAIN WALL TILE (NOTE 4)	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT (NOTE 4)
103	MEN'S TOILET	CERAMIC OR PORCELAIN WALL TILE (NOTE 4)	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT (NOTE 4)
104	SUPPORT	N/A - SEE ROOM FINISH SCHEDULE	---	---
105	KITCHEN	N/A - SEE ROOM FINISH SCHEDULE	---	---
106	PRESENTER-1	CERAMIC WALL TILE	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
107	ORDER	N/A - SEE ROOM FINISH SCHEDULE	---	---
108	MANAGER'S OFFICE	N/A - SEE ROOM FINISH SCHEDULE	---	---
109	CREW ROOM	SEE ROOM FINISH SCHEDULE (NOTE 5B)	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
110	COOLER	N/A - SEE ROOM FINISH SCHEDULE	---	---
111	FREEZER	N/A - SEE ROOM FINISH SCHEDULE	---	---
112	COMPUTER CLOSET	N/A - SEE ROOM FINISH SCHEDULE	---	---
113	CREW ALCOVE	N/A - SEE ROOM FINISH SCHEDULE	---	---
114	JANITOR'S CLOSET	N/A - SEE ROOM FINISH SCHEDULE	---	---
115	VESTIBULE	CERAMIC WALL TILE	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
116	PRESENTER-2	CERAMIC WALL TILE	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
117	C02	N/A - SEE ROOM FINISH SCHEDULE	---	---

GENERAL FINISH NOTES:

- REFERENCE: McDONALD'S PROJECT MANUAL - SECTION 093000
- KITCHEN FLOOR TILE:
TILE: CROSSVILLE 6"x6" 'METROPOLITAN QUARRY BASICS ABRASIVE'
GROUT: CHARCOAL #47 BY MAPEI
KERAPOXY IEG BLACK #10 BY MAPEI (FOR OPTIONAL GREY TILE)
COLOR: PURITAN GRAY EXTRA ABRASIVE 57XA (STANDARD)
- DINING ROOM FLOOR TILE:
TILE: CROSSVILLE 24"x24" 'MOONLIGHT GREY'
GROUT: MAPEI ULTRACOLOR GRAY 09 - JOINT 1/8" MAX.
- RESTROOM TILE:
MAIN WALL TILE: ICG ITALIA - ARCHITECT 12"x24" "FACTORY"
ACCENT WALL TILE: ICG ITALIA - SHELTER 4"x12" "BIANCO MATTE"
RESTROOM SINK & HAND DRYER PANEL: CORIAN - CAMEO WHITE
FLOOR TILE: ICG ITALIA - NEW ROUND 12"x24" "ANTHRACITE"
GROUT: MAPEI ULTRACOLOR CHARCOAL 47 - JOINT 1/8" MAX
- TILE TRANSITION AND EDGE PROTECTION:
A) TILE BASE (RESTROOM ONLY): SCHLUTER DILEX-AHK SERIES, BRUSHED STAINLESS STEEL.
B) TILE EDGE PROTECTION (WALL TRANSITION): SCHLUTER-RONDEC-DB, SATIN ANODIZED ALUMINUM.
C) TILE CORNER PROTECTION (OUTSIDE CORNER): SCHLUTER-RONDEC-AE, SATIN ANODIZED ALUMINUM.

BEFORE FINAL INSPECTION, REMOVE PROTECTIVE COVERINGS AND PERFORM FINAL CLEANING.

TILE CLEANER: DETERDEK, BY FILA SURFACE CARE PRODUCTS - NO SUBSTITUTIONS ALLOWED
CAN BE ORDERED BY ICG ITALIA, CROSSVILLE, OR DIRECT FROM MANUFACTURER: FILA-DETEREK
POST INSTALLATION CLEANING REQUIRED ON ALL FLOOR TILE INSTALLATIONS PRIOR TO RESTAURANT TURN OVER.

APPLY CLEANER PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
REFERENCE: McDONALD'S PROJECT MANUAL - SECTION 09300 TILING INTERIOR.

GROUT COLOR AND MANUFACTURER AS INDICATED ON SHEET A1.1 AND 7. INTERIOR DECOR DRAWINGS.

FLOOR TILE SCHEDULE - LUNA

MARK	ROOM NAME	FLOOR	BASE	MORTAR SETTING BED	GROUT
100	CUSTOMER SERVICE	PORCELAIN FLOOR TILE (NOTE 3)	NONE - WALL TILE	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
101	DINING	PORCELAIN FLOOR TILE (NOTE 3)	NONE - WALL TILE	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
102	WOMEN'S TOILET	PORCELAIN FLOOR TILE (NOTE 4)	NONE - WALL TILE (NOTE 5A)	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
103	MEN'S TOILET	PORCELAIN FLOOR TILE (NOTE 4)	NONE - WALL TILE (NOTE 5A)	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
104	SUPPORT	QUARRY TILE (NOTE 2)	COVED QUARRY TILE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
105	KITCHEN	QUARRY TILE (NOTE 2)	COVED QUARRY TILE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
106	PRESENTER-1	QUARRY TILE (NOTE 2)	COVED QUARRY TILE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
107	ORDER	QUARRY TILE (NOTE 2)	COVED QUARRY TILE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
108	MANAGER'S OFFICE	QUARRY TILE (NOTE 2)	COVED QUARRY TILE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
109	CREW ROOM	QUARRY TILE (NOTE 2)	COVED QUARRY TILE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
110	COOLER	QUARRY TILE (NOTE 2)	4" ALUM. COVED BASE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
111	FREEZER	QUARRY TILE (NOTE 2)	4" ALUM. COVED BASE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
112	COMPUTER CLOSET	QUARRY TILE (NOTE 2)	COVED QUARRY TILE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
113	CREW ALCOVE	QUARRY TILE (NOTE 2)	COVED QUARRY TILE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
114	JANITOR'S CLOSET	PORCELAIN FLOOR TILE	COVED QUARRY TILE	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
115	VESTIBULE	PORCELAIN FLOOR TILE	NONE - WALL TILE	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)	HIGH PERFORMANCE CEMENT GROUT
116	PRESENTER-2	QUARRY TILE (NOTE 2)	COVED QUARRY TILE	MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE
117	C02	N/A-SEE ROOM FINISH SCHEDULE	---	---	---

ROOM FINISH SCHEDULE - LUNA

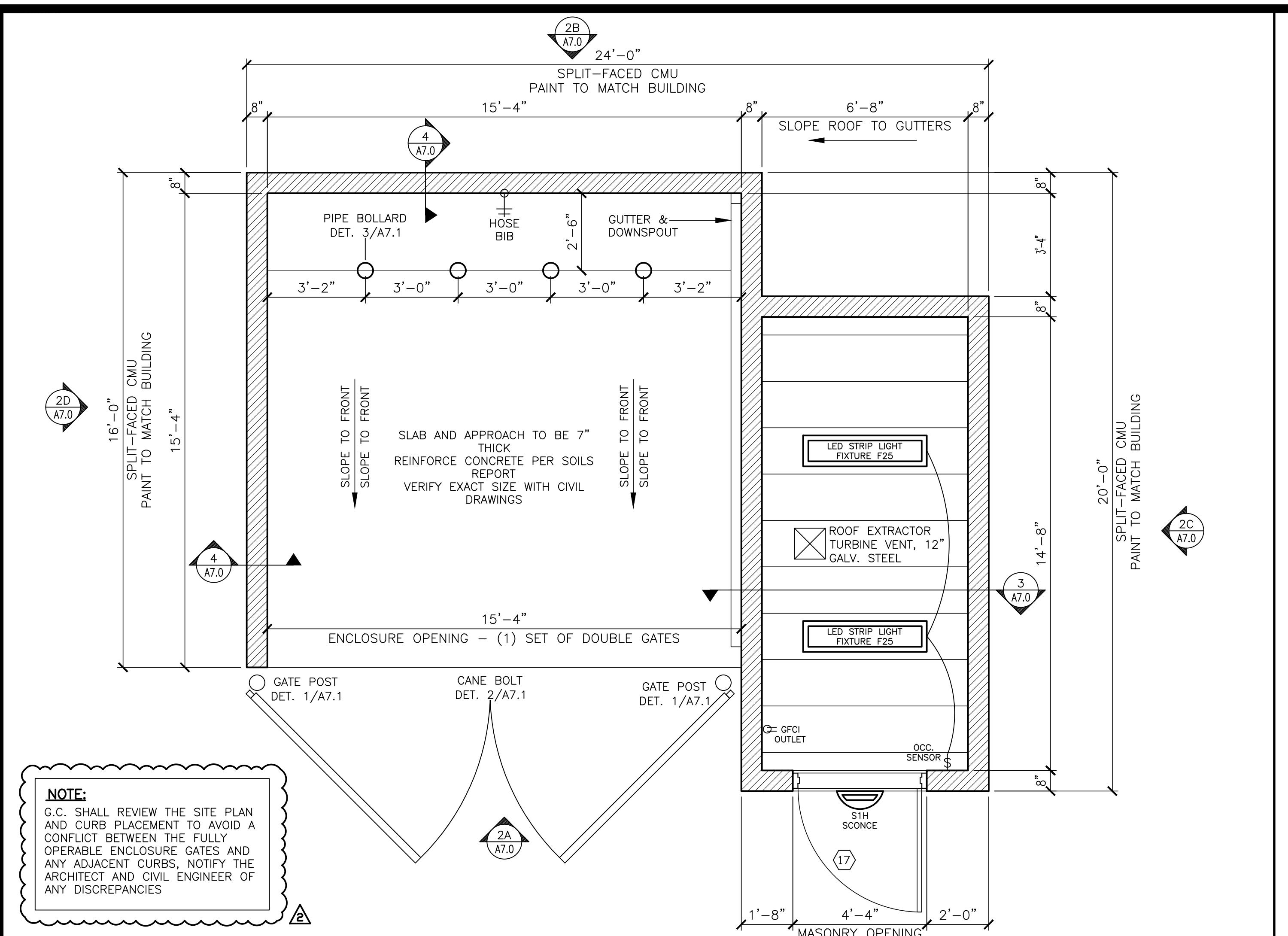
MARK	ROOM NAME	WALLS	CEILING *	REMARKS
100	CUSTOMER SERVICE	CEMENT BOARD	TILE **	TILE AS NOTED ON A1.1 AND A3.1
101	DINING	CEM BD/GYP BD	TILE/V.W.C. **	SEE DINING ROOM FINISH SCHEDULE
102	WOMEN'S TOILET	CEMENT BOARD	TILE	PAINTED GYP. BD.
103	MEN'S TOILET	CEMENT BOARD	TILE	PAINTED GYP. BD.
104	SUPPORT	CEMENT BOARD	TILE	STAINLESS STEEL CORNERS
105	KITCHEN	CEMENT BOARD	TILE	STAINLESS STEEL CORNERS, TILE OVER CEM BD AS NOTED ON A1.1
106	PRESENTER-1	CEMENT BOARD	TILE	TILE AS NOTED ON A1.1
107	ORDER	CEMENT BOARD	TILE	2'x2" VINYL-FACED LAY-IN
108	MANAGER'S AREA	CEMENT BOARD	TILE	2'x2" VINYL-FACED LAY-IN
109	CREW ROOM	CEM BD/GYP BD	TILE/V.W.C. **	SEE NOTE 8
110	COOLER	N/A	PRE-FAB METAL SKIN PANEL	PRE-FAB METAL SKIN PANEL
111	FREEZER	N/A	PRE-FAB METAL SKIN PANEL	PRE-FAB METAL SKIN PANEL
112	COMPUTER CLOSET	CEMENT BOARD	TILE	STAINLESS STEEL CORNERS, TILE OVER CEM BD AS NOTED ON A1.1
113	CREW ALCOVE	CEMENT BOARD	TILE	2'x2" VINYL-FACED LAY-IN
114	JANITOR'S CLOSET	CEMENT BOARD	TILE	PAINTED GYP. BD.
115	VESTIBULE	CBD/GYP BD	TILE/V.W.C.	SEE DINING ROOM FINISH SCHEDULE
116	PRESENTER-2	CEMENT BOARD	TILE	OPTIONAL PEDIMAT. SEE DETAIL 7/A6.1. VERIFY WITH MCD CONSTRUCTION MANGER AT CEILING
117	C02	CEMENT BOARD	TILE	2'x2" VINYL-FACED LAY-IN

GENERAL FINISH NOTES:

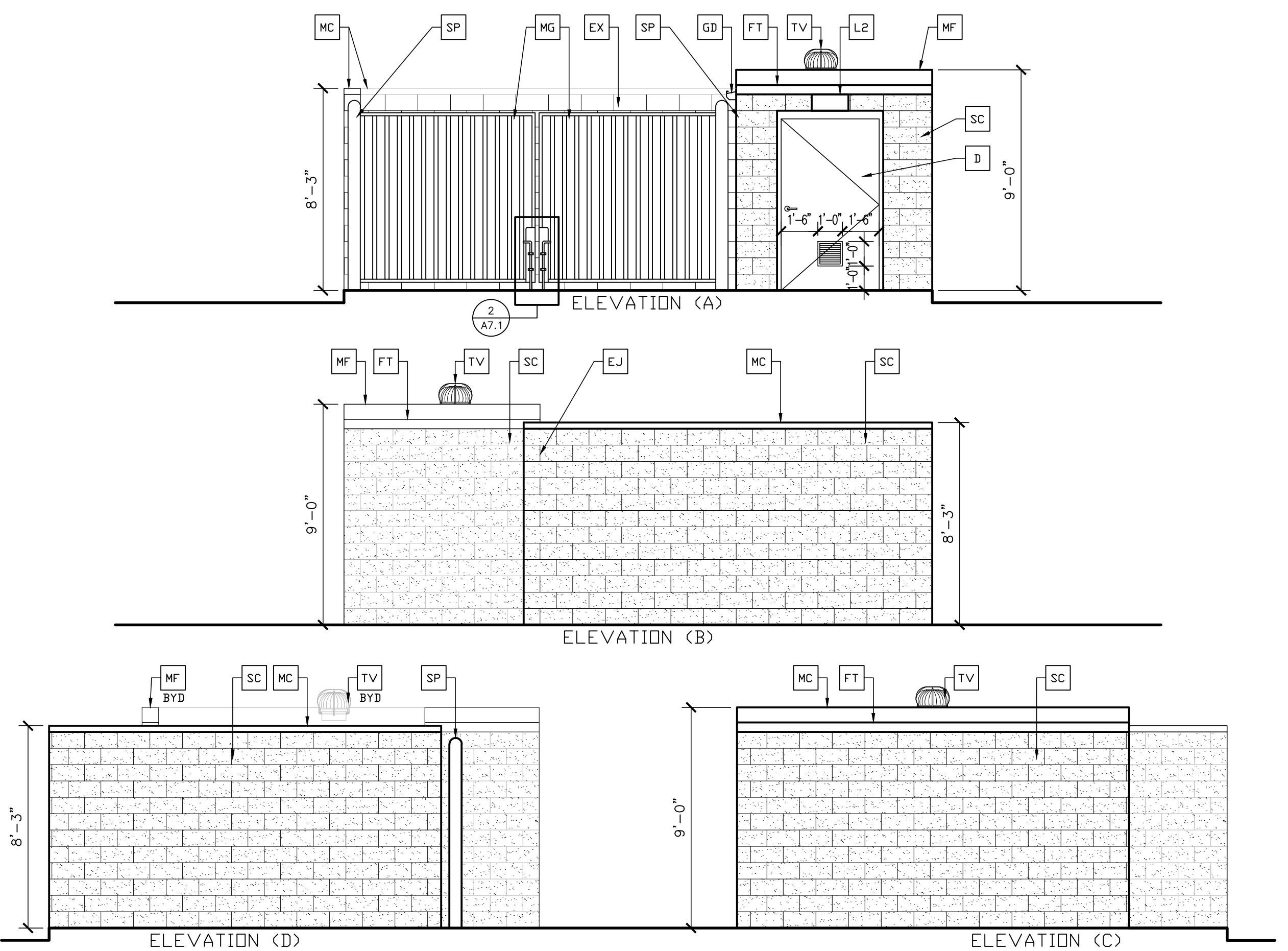
- ALL FINISH SURFACES OF WALL AND CEILING MATERIALS SHALL BE CLASS B AND SHALL HAVE A FLAME SPREAD RATING OF 26 TO 75 AND A SMOKE DENSITY OF 450 MAX. (PER IBC TABLE 803.9).
- DECORATIVE MATERIALS SHALL BE FLAME RETARDANT AND MEET THE CRITERIA OF NFPA 701.
- DECORATIVE MATERIAL SHALL NOT CONCEAL EXITS, EXIT LIGHTS, ALARM STATIONS, HOSE CABINETS, AND EXTINGUISHER LOCATIONS
- WHEN BUILDING TYPE IS A NON-COMBUSTIBLE CATEGORY, ALL PLYWOOD SHALL BE FIRE RETARDANT TREATED.
- A. TILE WAINSCOT TO 6' A.F.F. OVER CEMENT BD. OVER EXT GRADE PLYWOOD (NOTE 4) AT MOP SINKS
- PROVIDE CEMENT BOARD BACKER OR EQUIVALENT AT ALL TILE LOCATIONS.
- PROVIDE VAPOR BARRIER BEHIND PLYWOOD AT WALLS AND BEHIND GYP. AT CEILING
- CREW ROOM FINISHES:
NORTH WALL: MOMENTUM WALL GRAPHIC - VIS703.
EAST/WEST/SOUTH WALLS: TILE WAINSCOT TO 3' A.F.F. - ICG ITALIA ARCHITECT FACTORY 12"x24". TILE COVE BASE - ICG ITALIA ARCHITECT FACTORY 6"x12". LUNA WOOD WALL COVERING - MOMENTUM NA-SC-MC439 - ENGLEWOOD, ELM.
CEILING: USG - FROST CLIMPLAUS 534 CHARCOAL 24"x24". PAINT GRID TO MATCH TILE.
- * TILE OPTION FOR HEALTH CODE: WAINSCOT - ICG ITALIA MA.DE UNI GRIGIO 12"x24". TILE COVE BASE - ICG ITALIA UNI GRIGIO 6"x12".
- ALL DECOR ELEMENTS MANUFACTURED BY DECOR TO BE PURCHASED AND INSTALLED BY GC, UNO.

DINING ROOM FINISH SCHEDULE - LUNA

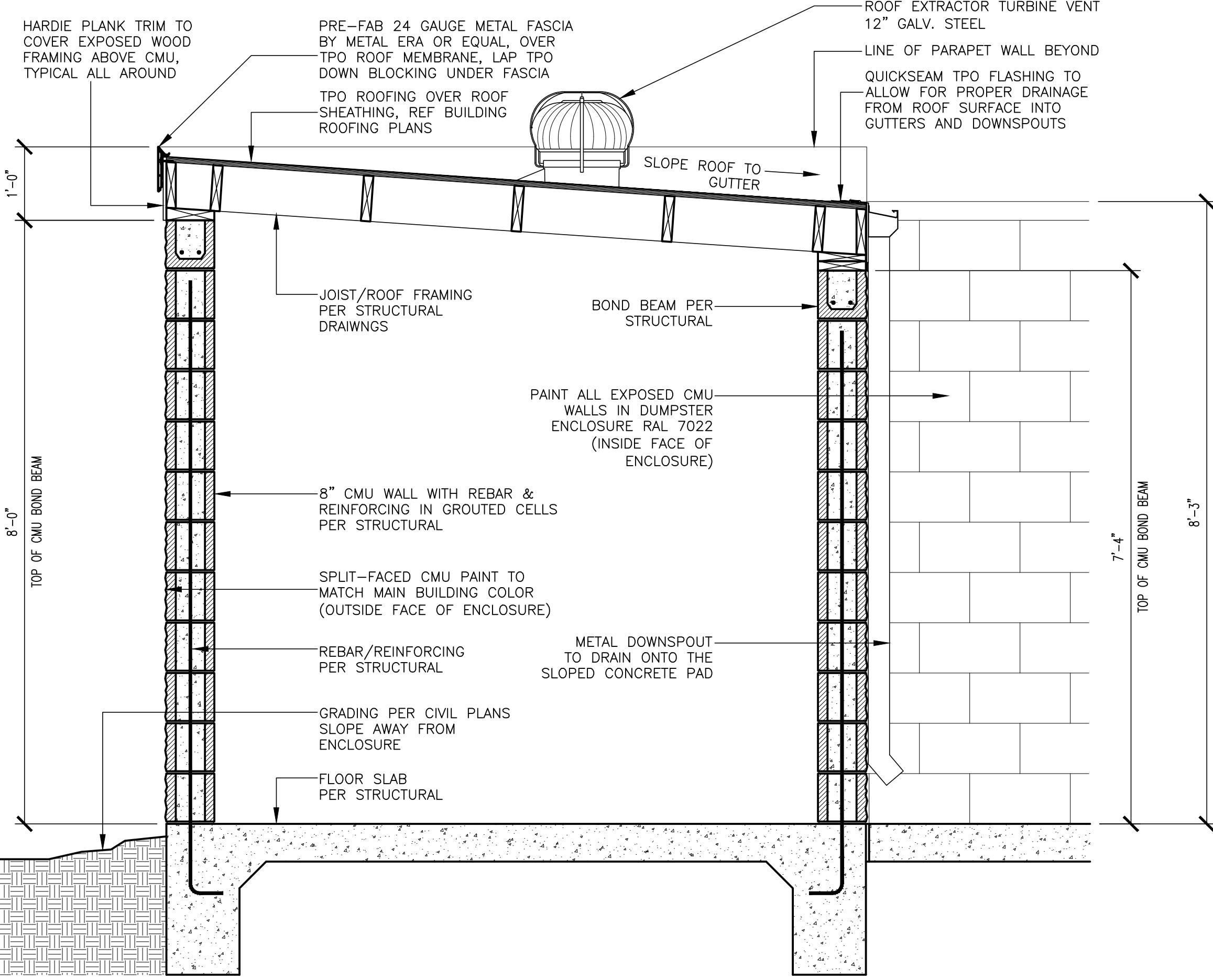
MARK	QUANTITY	TYPE	PRODUCT, FINISH & COLOR	REMARKS
D1	N/A	WALL/WAINSCOT TILE	CROSSVILLE - MOONLIGHT GREY 8"x24"	GROUT: MAPEI ULTRACOLOR GRAY 09 - JOINT 1/16" MAX
D2	N/A	WALL PANELING	LAMITECH - 1467 MT LINEAL OAK 48"x120"	
D3	N/A	WALLCOVERING	KOROSEAL WALLCOVERING - 7421-30 CIPRIANI FOUNTAIN HEAD	
D4	N/A	WALLCOVERING	ASA WALLCOVERING - NAT-GREEN	
D5	N/A	SERVICE AREA TRIM	SCHLUTER - QUADEC - TUSCAN PEWTER QBTSG	
D6	N/A			



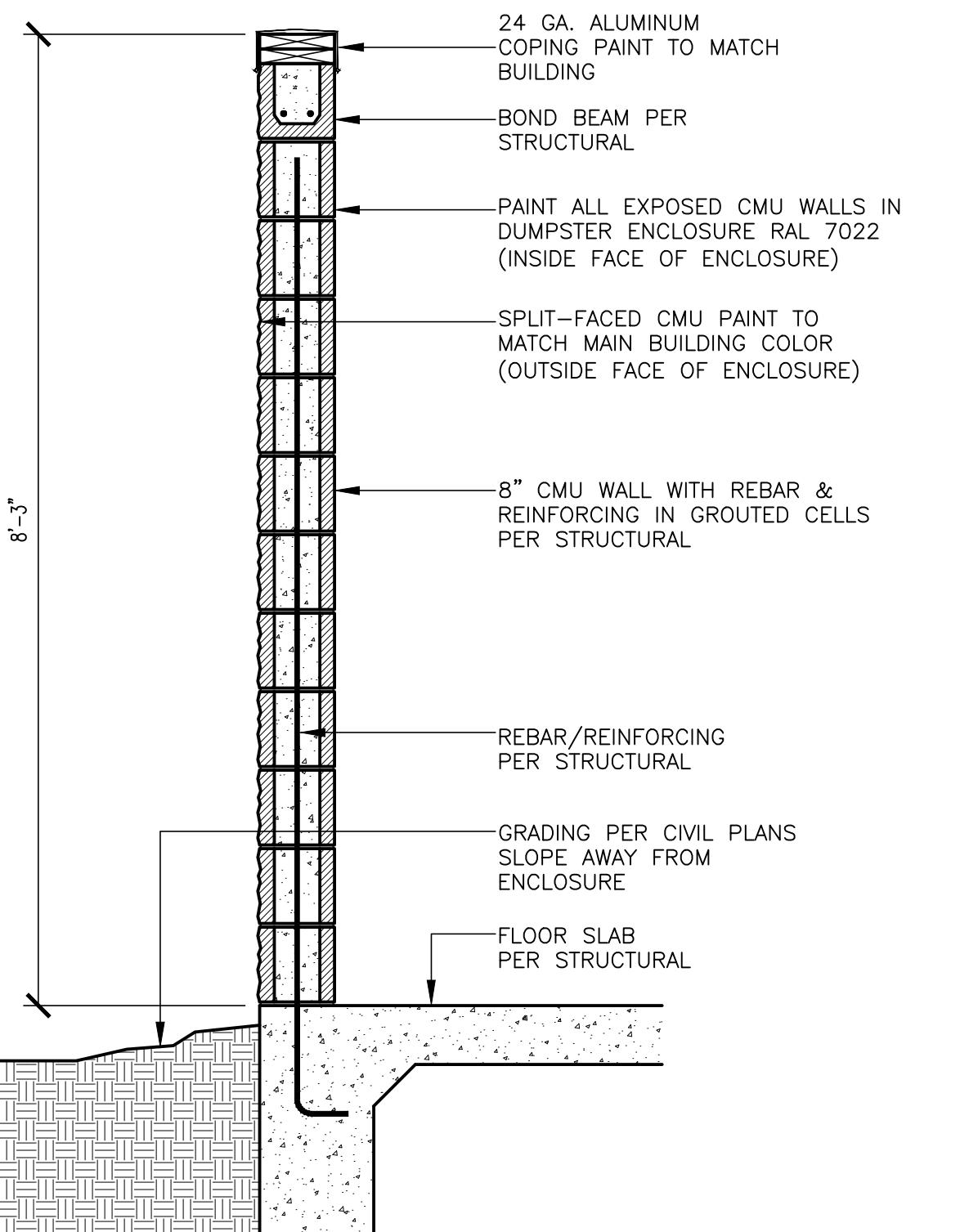
1 | STORAGE BUILDING PLAN SCALE 3/8"=1'-0"



2 DUMPSTER ENCLOSURE PLAN SCALE 1/4"=1'-0"



3 WALL SECTION DETAIL SCALE 3/4"=1'-0"



WALL SECTION DETAIL

KEY NOTES:

- D HOLLOW METAL DOOR PAINT: "FAIRVIEW TAUPE" HC-85 BY BENJAMIN MOORE
 - EJ TYPICAL CMU EXPANSION JOINT WITH BACKER ROD AND SEALANT
 - EX GC TO PAINT EXPOSED CMU BLOCK RAL 7022 (INSIDE FACE OF ENCLOSURE)
 - FT FIBER CEMENT FASCIA BOARD:
PAINT: "FAIRVIEW TAUPE" HC-85 BY BENJAMIN MOORE
 - GD METAL GUTTERS AND DOWNSPOUT DRAIN ONTO DUMPSTER
ENCLOSURE SLAB (PAINT RAL 7022)
 - L2 RADIAL SCONCE LIGHT FIXTURE – SEE ELECTRICAL
COLOR: PLATINUM SILVER
 - MC 24 GAUGE ALUMINUM COPING OVER CMU ENCLOSURE
WALLS COLOR TO MATCH RAL 7022
 - MF METAL FASCIA – PRE-FAB ANCHOR-TITE FASCIA
COLOR TO MATCH RAL 7022
 - MG METAL DUMPSTER ENCLOSURE ENTRY GATES, REF
DETAILS AND NOTES (COLOR TO MATCH RAL 7022)
 - SC SPLIT-FACED CMU PAINT TO MATCH "FAIRVIEW TAUPE" HC-85 BY
BENJAMIN MOORE (OUTSIDE FACE OF ENCLOSURE)
 - SP STEEL CONCRETE FILLED POST
PAINT TO MATCH RAL 7022
 - TV ROOF EXTRACTOR TURBINE VENT
12" GALV. STEEL

12 GAEV. STEEL
GENERAL NOTES:

GENERAL NOTES:
GENERAL CONTRACTOR TO PROVIDE 6 INCHES OF EXPOSED GRADE BREAMS AROUND THE STORAGE BUILDING WITH THE EXCEPTION OF THE DOOR LOCATION, COORDINATE WITH THE CIVIL GRADING PLANS.

5/8" PUDDLE WELD B/N DECK & ALL ANGLE TYPICAL IN EACH
DECK FLUTE, PROVIDE #12 SCREWS @ 6" O.C. AT ALL DECK S
SIDE LAPS.

GENERAL CONTRACTOR TO SUPPLY AND INSTALL CORRUGATED

METAL GATES (16 GAUGE) F-DECKING, ALL METAL TO BE PRIMED AND PAINTED TO MATCH THE BUILDING TRIM COLOR, VERIFY WITH ACM.
PROVIDE A 12"X12' LOUVER VENT IN HOLLOW METAL DOOR,

SEE ELEVATIONS.

ELECTRICAL NOTES:
OCCUPANCY SENSOR: GC TO PROVIDE A WALL MOUNTED OCCUPANCY SENSOR, REF ELECTRICAL PLANS FOR MORE INFORMATION.

GC TO INSTALL NEW STRIP LIGHT FIXTURE, PER MANF.'S RECOMMENDATIONS. F25 – 42W LED BY COLUMBIA LIGHTING #LCL4-40ML-EDU.

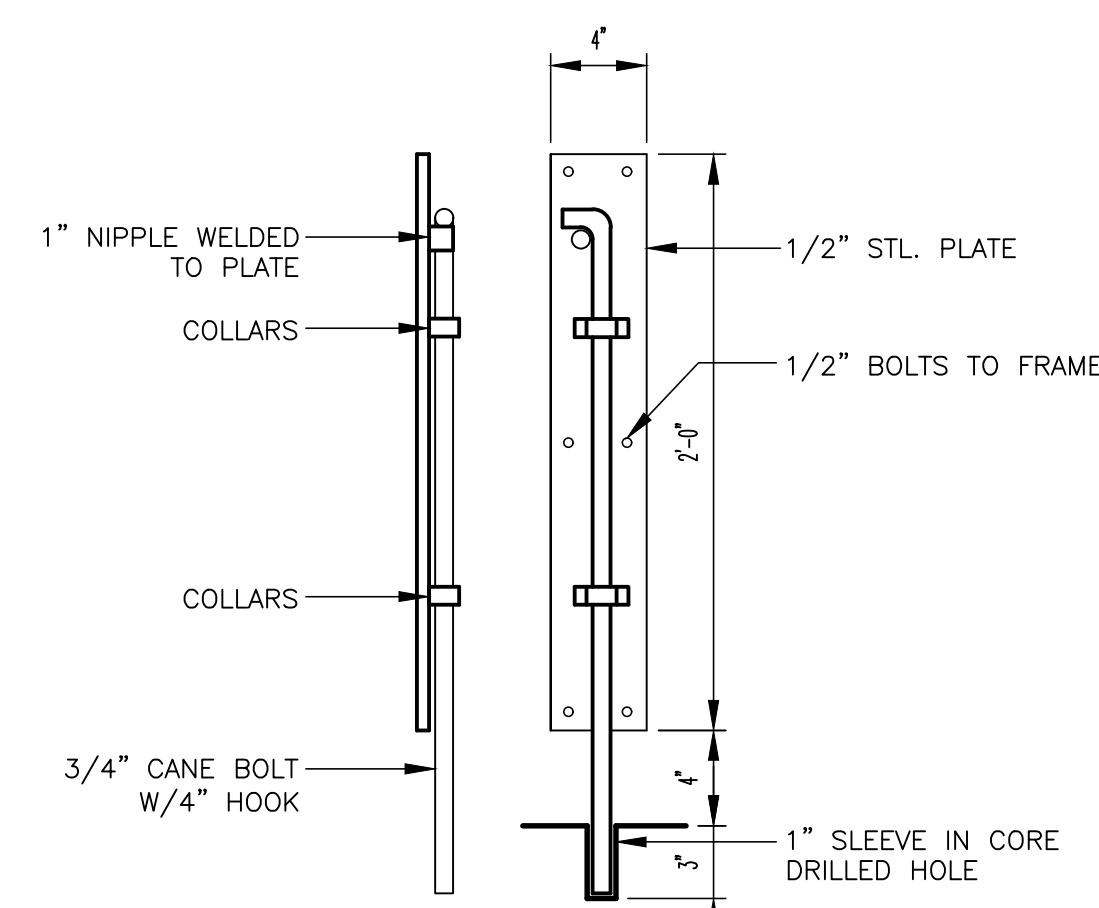
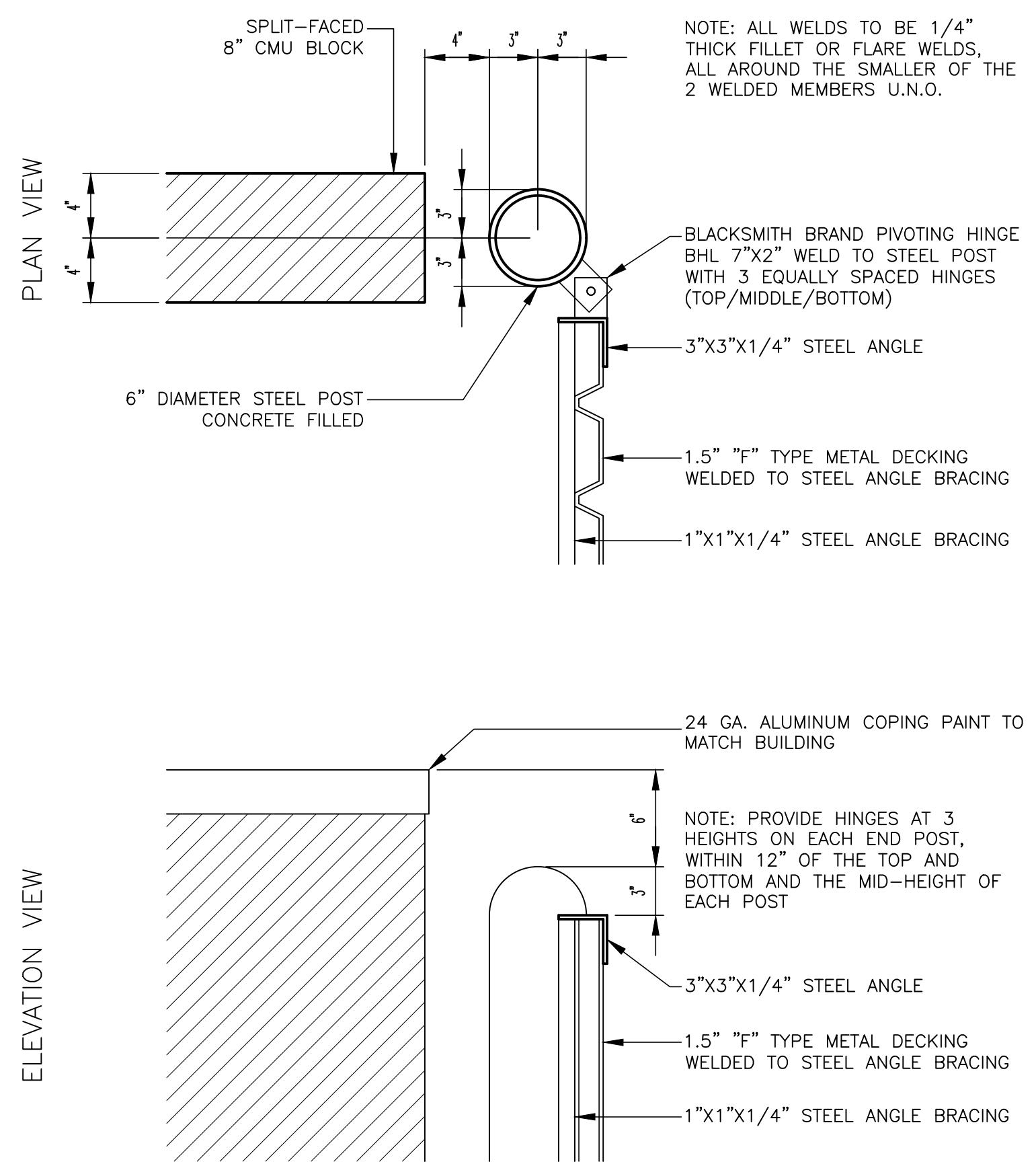
GC TO PROVIDE A 20A, 120V, RECEPTACLE WITHIN 25 FEET OF THE HVAC EQUIPMENT, PER CODE.

ALL LIGHTING/POWER SHALL BE CONNECTED TO AN APPROPRIATE CIRCUIT IN THE MAIN BUILDING PANELS, VERIFY CIRCUITING PRIOR TO ROUGH-IN.

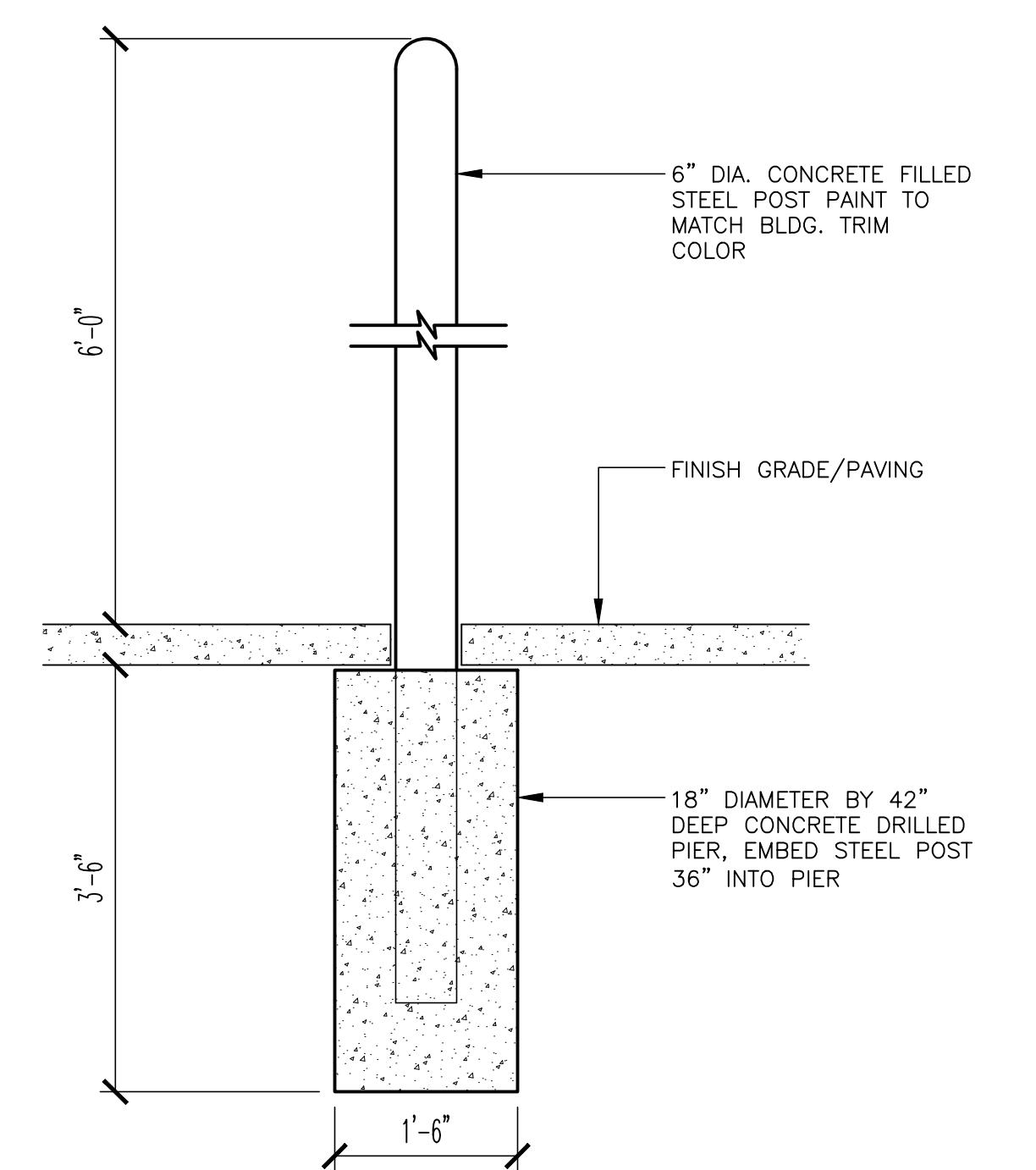
PREPARED BY:

McDonald's USA, LLC
@ 2025 McDonald's USA, LLC
SPARED FOR:

SHEET NO.	TITLE		
	2025 STANDARD BUILDING - BB20		
	4584-WOOD/WOOD		
	 DESCRIPTION WOOD BEARING WALLS WOOD ROOF TRUSS FRAMING		
DRAWN BY	JAW	STD ISSUE DATE	2025
REVIEWED BY	JAW	DATE ISSUED	02/07/2025
SITE ID	SITE ADDRESS		
042-3536	7890 HWY 78, SACHSE TX		
JAWA 24-0221 A7.0 DUMP. ENCLOSURE			



- NOTES:**
1. G.C. TO CUT 1" DIA. - SCHEDULE 40 GALVANIZED STEEL PIPE INTO 3" LONG SECTIONS TO MAKE 1" DIA. X 3" CANE BOLT "SLEEVE" PART #: mp-00002505
 2. G.C. CORE DRILL 1.5" DIAMETER HOLD INTO CONCRETE (MIN. 3" TO 3-1/4" DEEP)
 3. USE CONCRETE ADHESIVE ANCHOR TO SET "SLEEVE"
 4. WIPE/CLEAN AREA AFTER INSTALLATION
- G.C. TO PROVIDE TWO CANE BOLT SLEEVES PER EACH GATE
1. CLOSED POSITION: 0 DEGREES
 2. OPEN POSITION: 90° MIN. - 120° MAX FROM CLOSED POSITION.



1 | GATE POST DETAIL SCALE 1-1/2"=1'-0"

2 | CANE BOLT DETAIL SCALE 1-1/2"=1'-0"

3 | PIPE BOLLARD DETAIL SCALE 3/4"=1'-0"

PREPARED BY:	
JAW	
1	05/09/2025
2	07/07/2025
MC QC COMMENTS/ FACADE REDESIGN/ TRASH ENCLOSURE UPDATE	
REGISTERED ARCHITECT STATE OF TEXAS SINCE 1926	
JAW Architects, Inc. James Williams, Architect	
Phone: 817-765-3387 Email: jwilliams@jaw-architects.com	
REV.	DATE
DESCRIPTION	

McDonald's USA, LLC

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A7.1

DRAWN BY: JAW STD ISSUE DATE: 2025 DRAWN FOR: JAW

REVIEWED BY: JAW DATE ISSUED: 02/07/2025

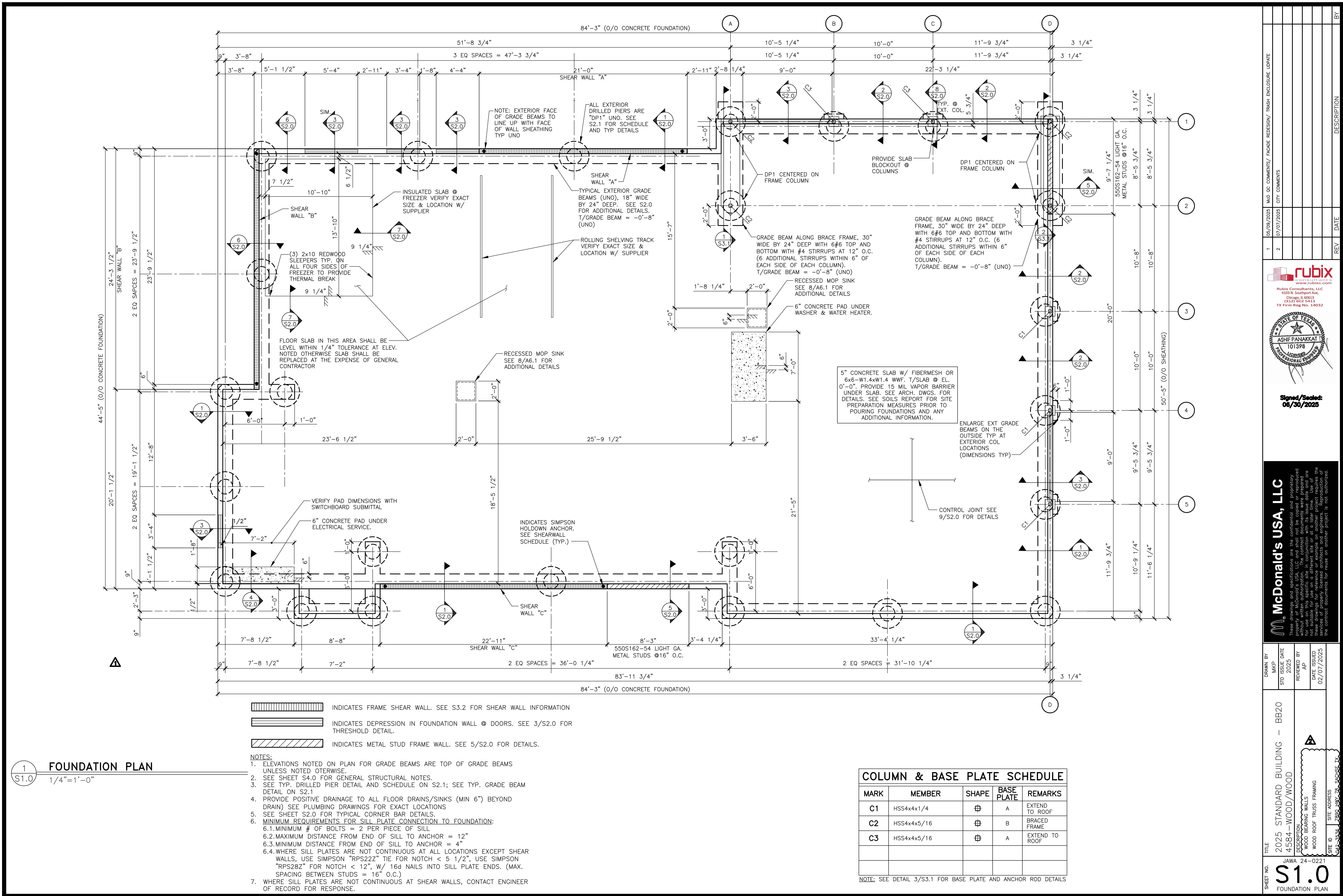
TITLE: 2025 STANDARD BUILDING - BB20 SHEET NO. 4584-000221

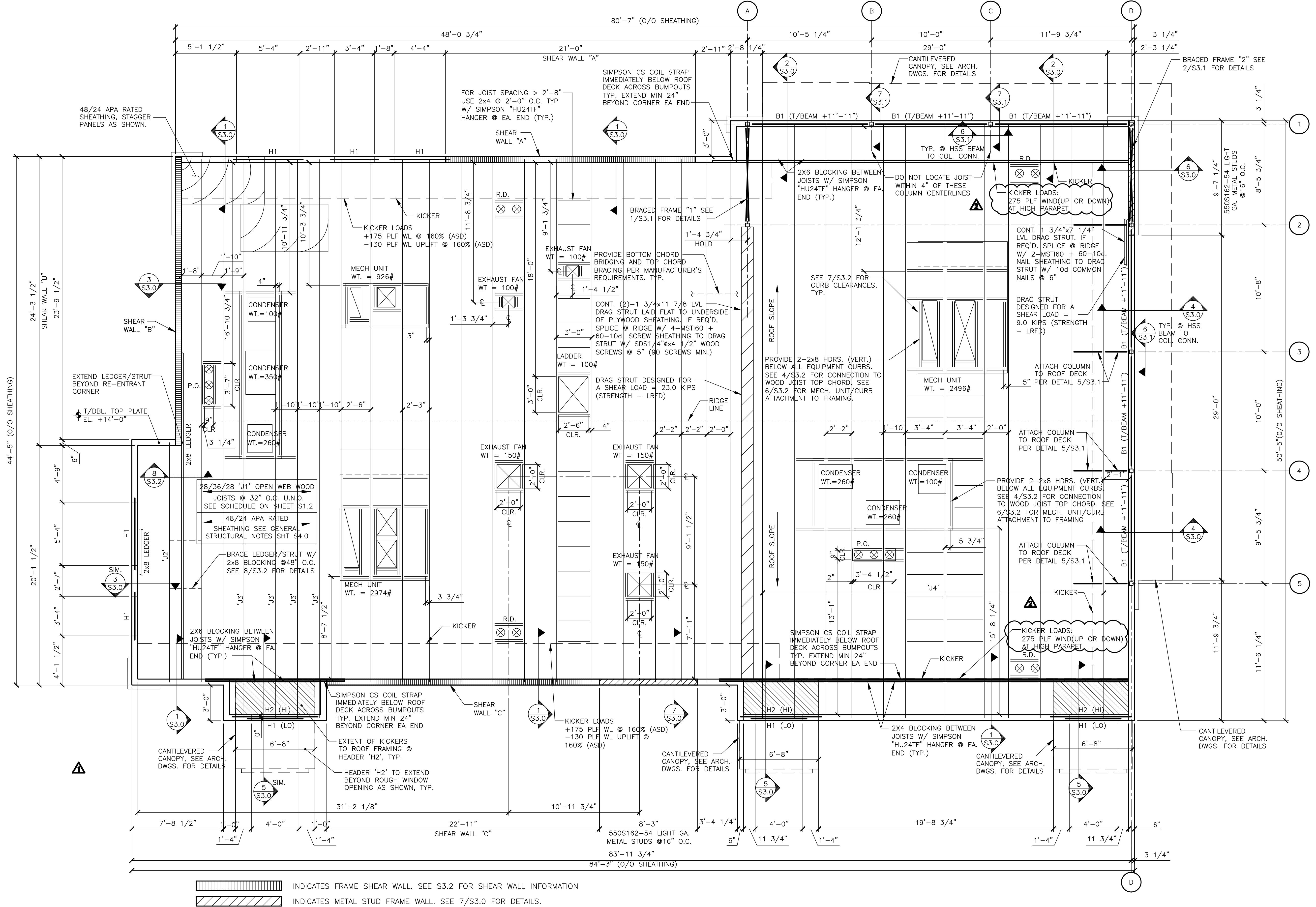
DESCRIPTION: WOOD/WOOD

WOOD BEARINGS WALLS

WOOD ROOF TRUSSES FRAMING

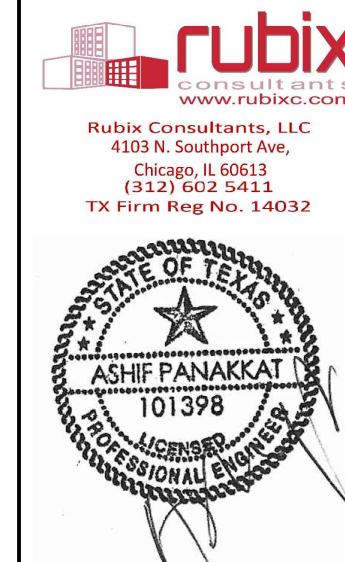
SITE ID: 042-3536 SITE ADDRESS: 7850 HWY 7B, SACHE TX





McDonald's USA, LLC

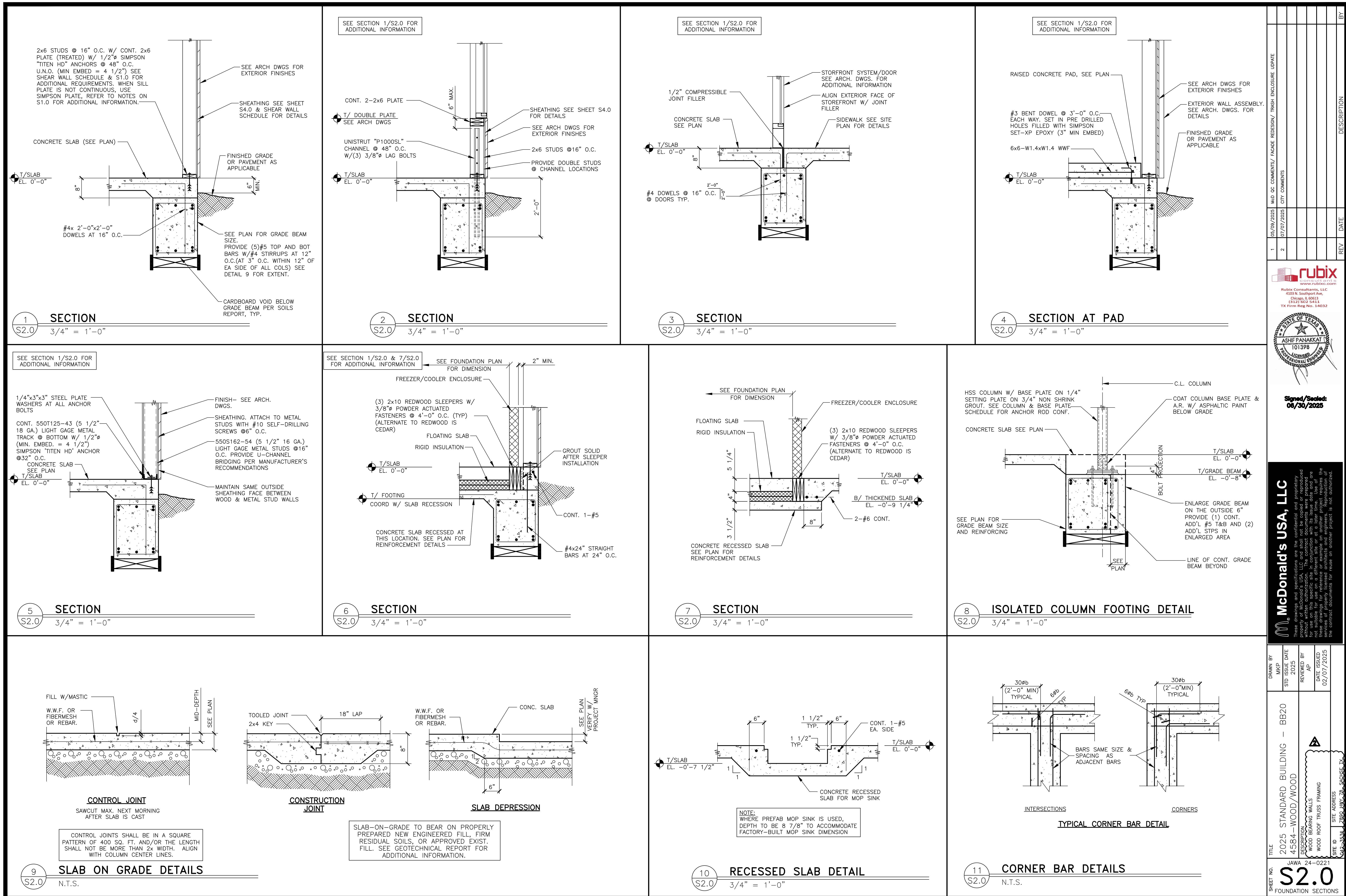
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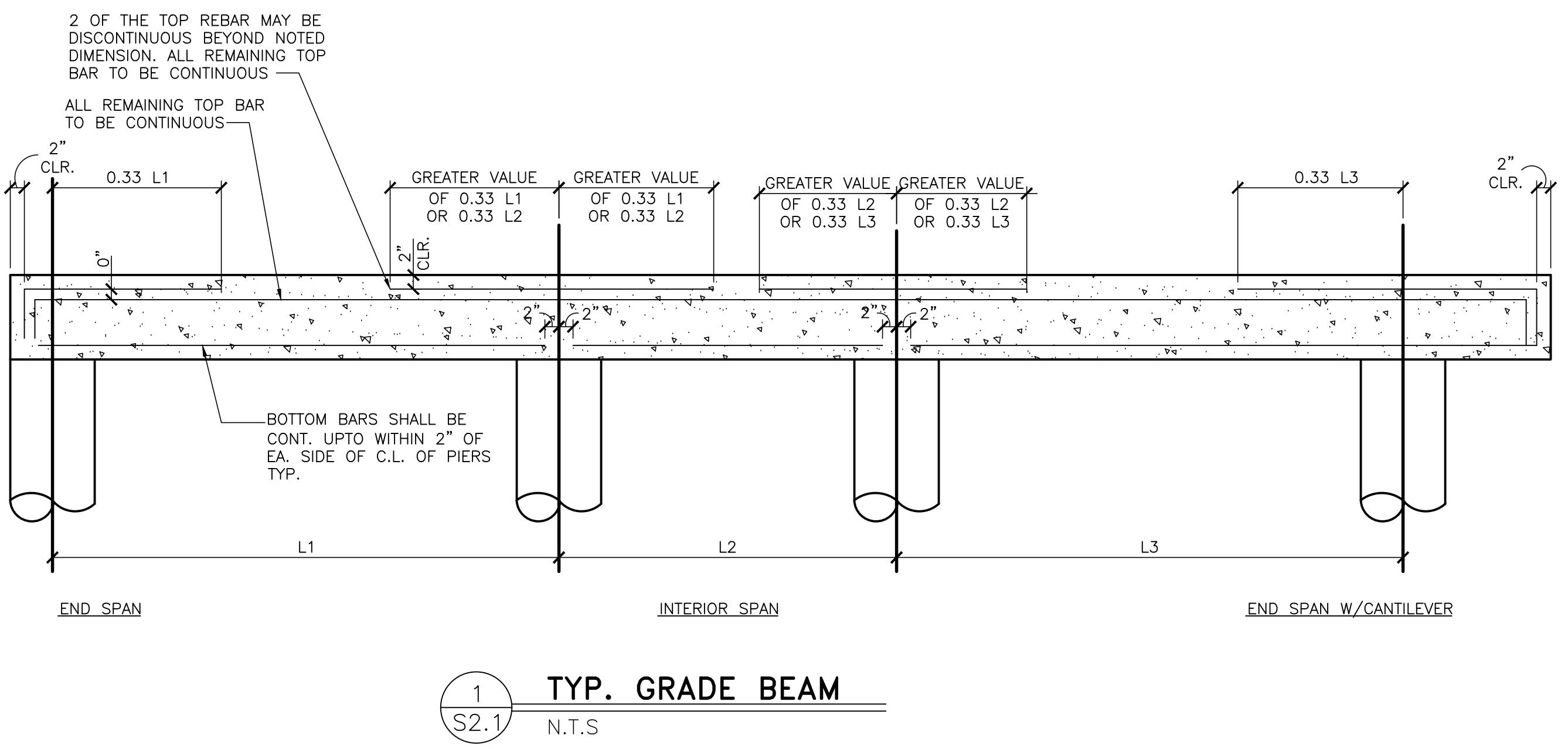


Signed/Sealed:
06/30/2025

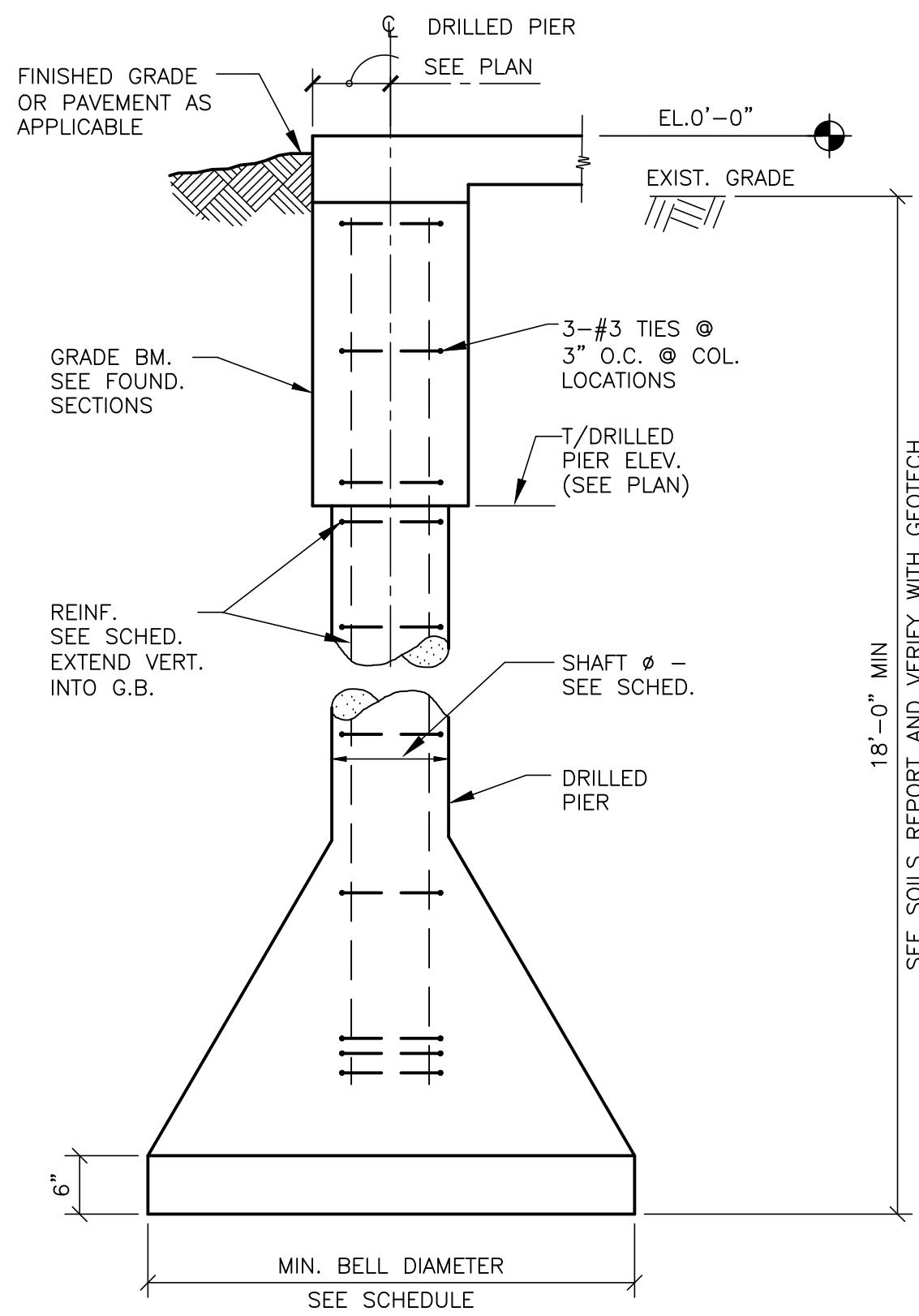
REV	DATE	DESCRIPTION
1	05/09/2025	M&P QC COMMENTS/ FAÇADE REDESIGN/ TRASH ENCLOSURE UPDATE
2	07/07/2025	CITY COMMENTS

SHEET NO.	TITLE	DRAWN BY	REVIEWED BY	APPROVED BY
1	2025 STANDARD BUILDING - BB20	MKP		
	4584-WOOD/WOOD		STD ISSUE DATE	DATE ISSUED
		2025		02/07/2025
			AP	





DRILLED PIER SCHEDULE				
MARK	SHAFT DIA.	BELL DIA.	REINFORCING	REMARKS
DP1	1'-6"	3'-0"	6 - #6V + #3 O @ 12"	-



TYP DRILLED PIER

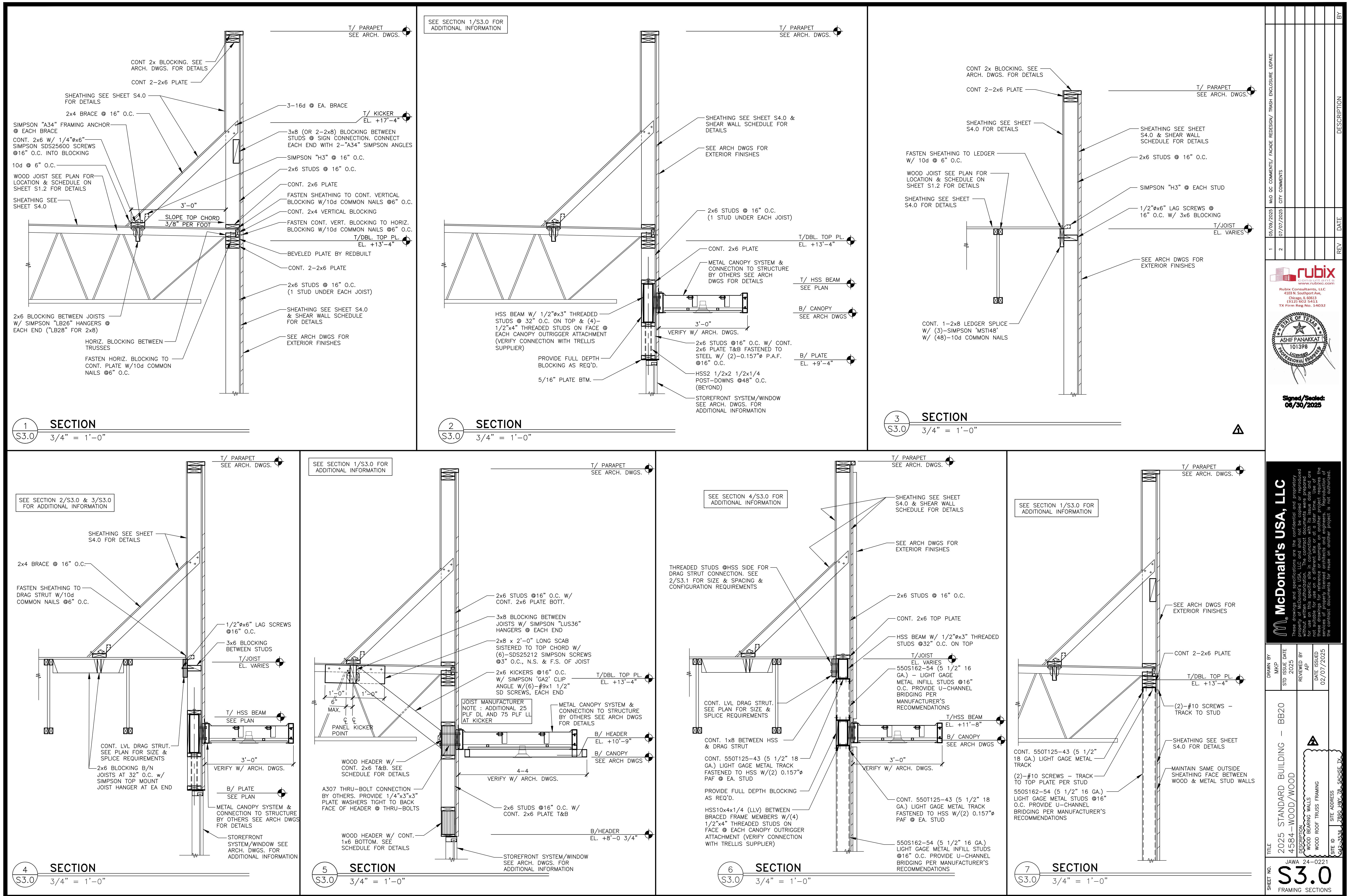
2 S2.1 N.T.S.

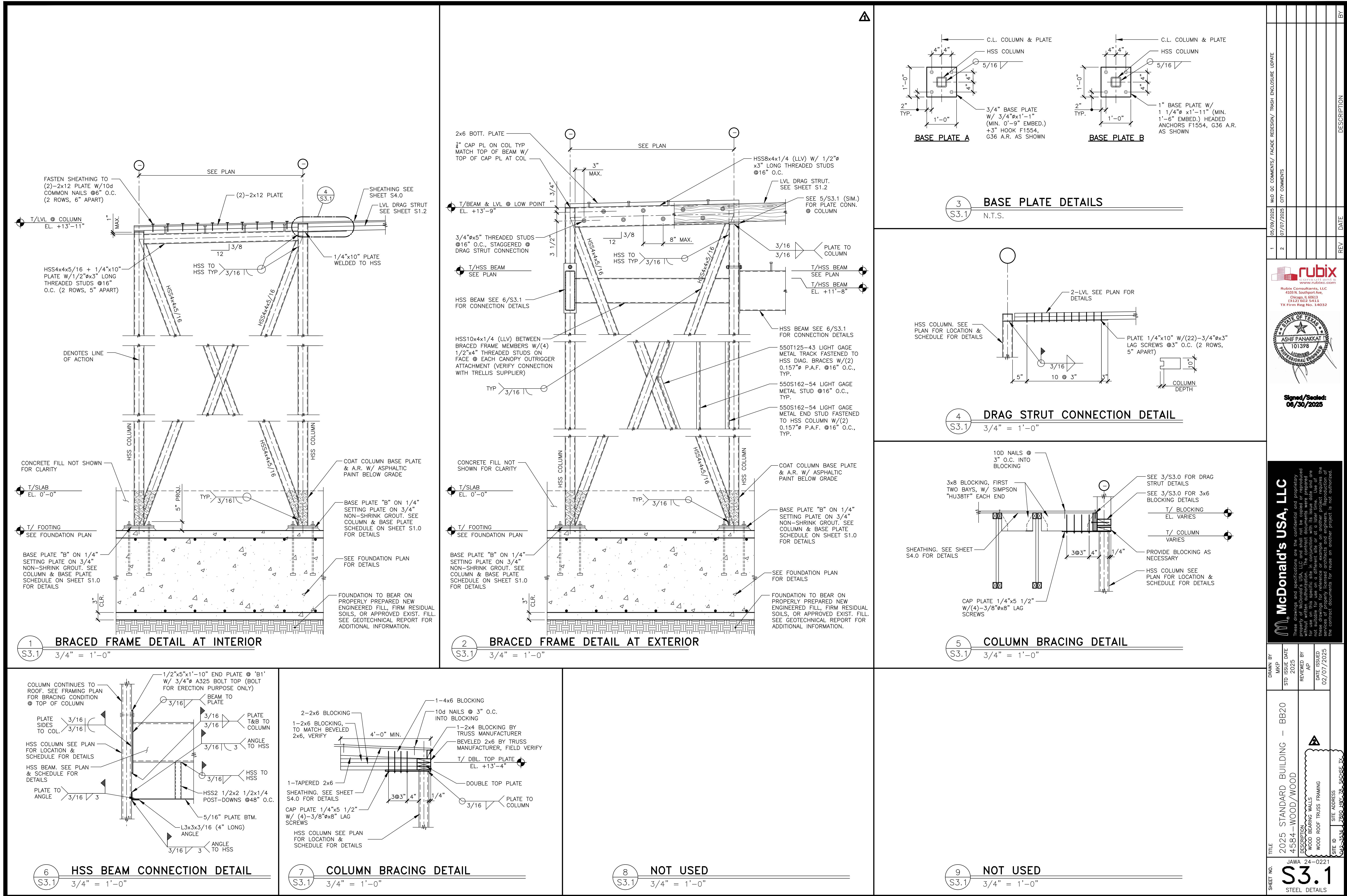
McDonald's USA, LLC		DRAWN BY MKP 2025
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		REVIEWED BY AP
		DATE ISSUED 02/07/2025
SHEET NO. 24-0221	TITLE 2025 STANDARD BUILDING - BB20	DESCRIPTION 4584-WOOD/WOOD
SITE ID 002-545	SITE ADDRESS JAWA 24-0221	DETAILS WOOD BEARING WALLS WOOD ROOF TRUSSES FRAMING

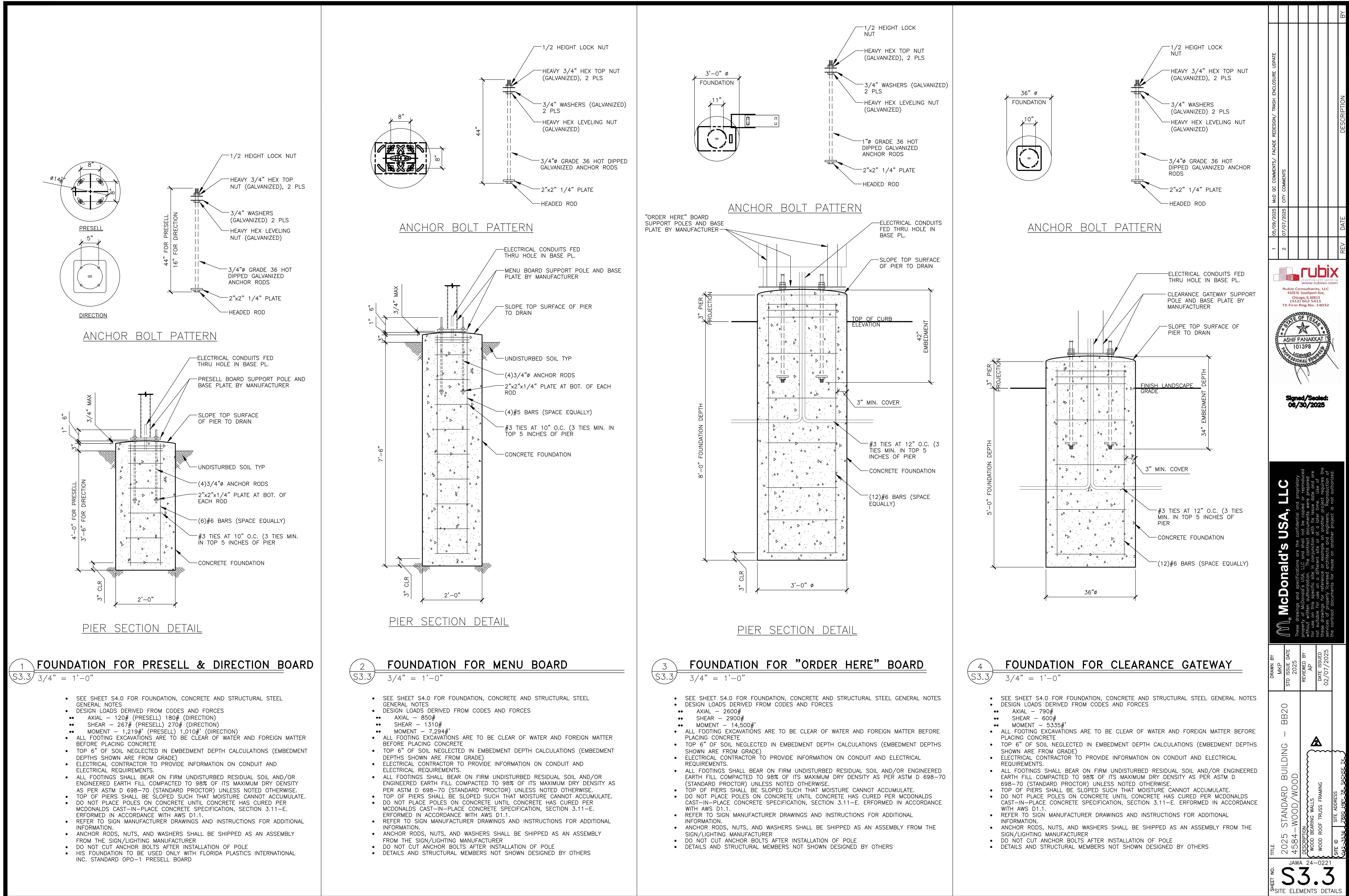


Signed/Sealed:
08/30/2025

REV.	DATE	DESCRIPTION
1	05/09/2025	Mod QC COMMENTS/ FAÇADE REDESIGN / TRASH ENCLOSURE UPDATE
2	07/07/2025	CITY COMMENTS

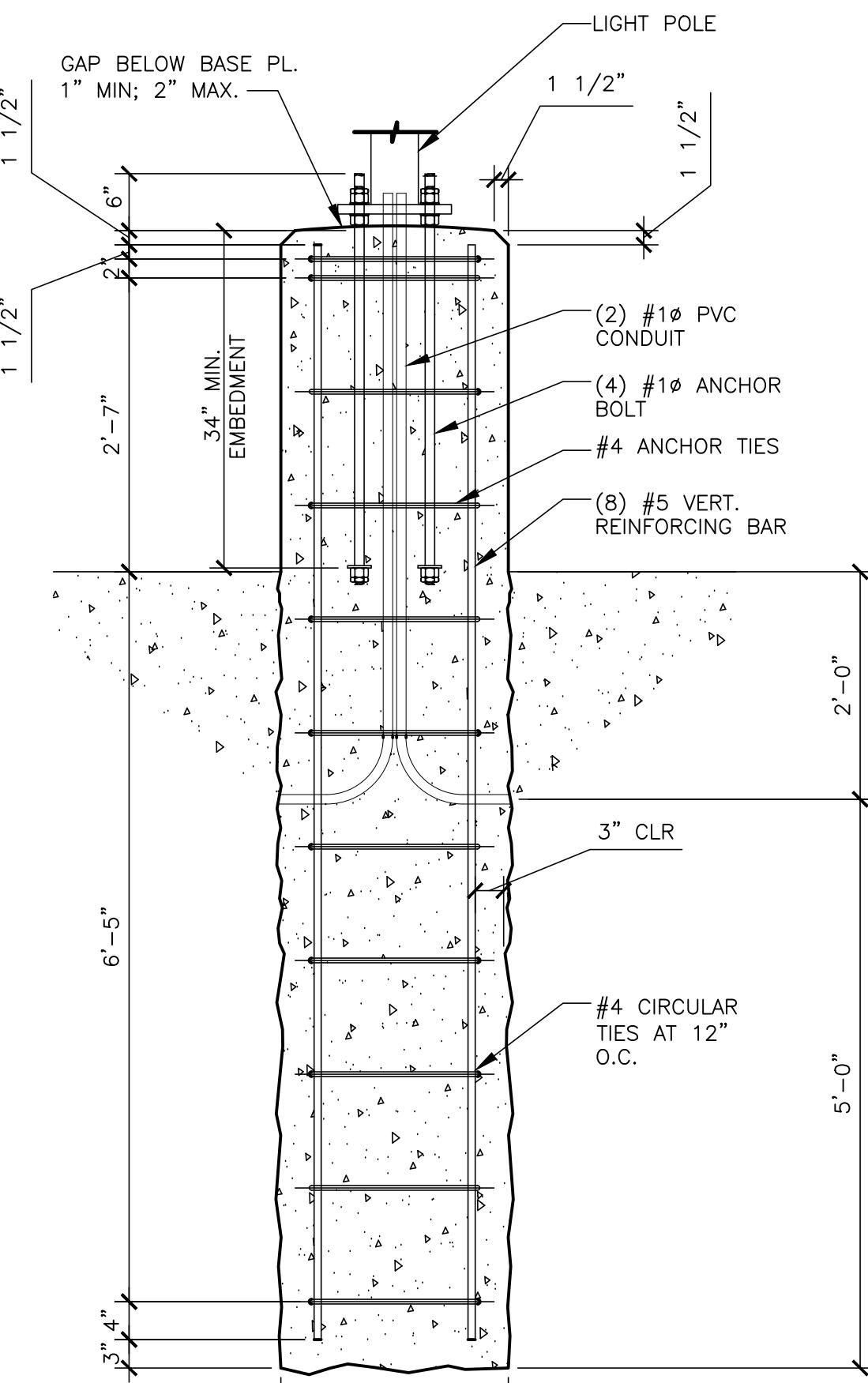




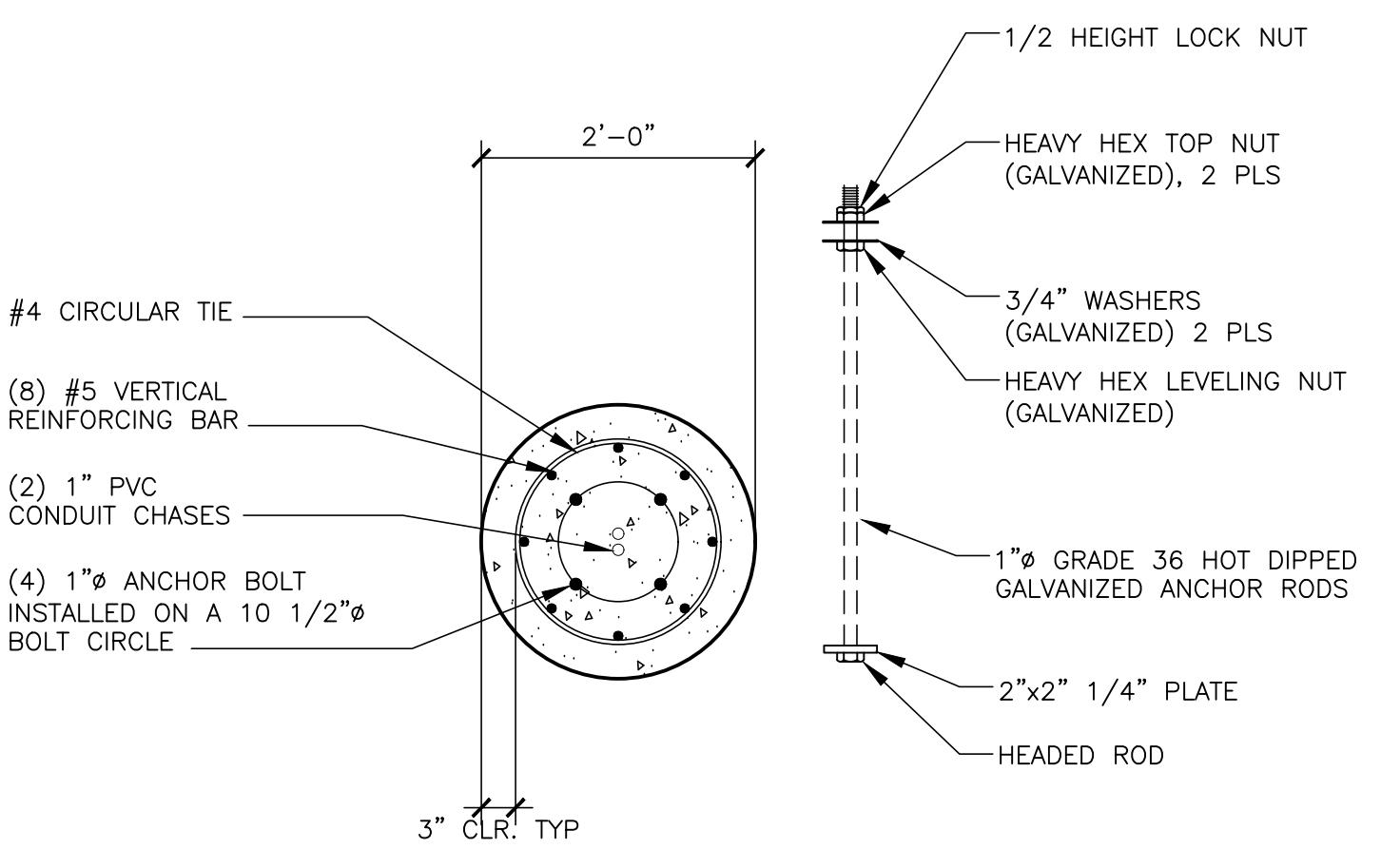


LIGHT POLE BASE NOTES

- SEE SHEET S4.0 FOR STRUCTURAL GENERAL NOTES
- DESIGN CRITERIA:
 - AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, FIFTH EDITION, 2009
- FOUNDATION DESIGN PARAMETERS:
 - MOMENT = 16,845 lbs-ft
 - BASE SHEAR = 978 lbs
 - 6" MAXIMUM DEPTH OF DISTURBED SOIL OR TOP SOIL
 - THIS FOUNDATION DESIGN SHALL NOT BE USED IN LOCATIONS WHICH ARE CLOSER THAN 8ft FROM A RETAINING WALL.
 - THIS FOUNDATION DESIGN SHALL NOT BE USED AT LOCATIONS WHERE THE GROUND SLOPE EXCEEDS 4 inches per foot.



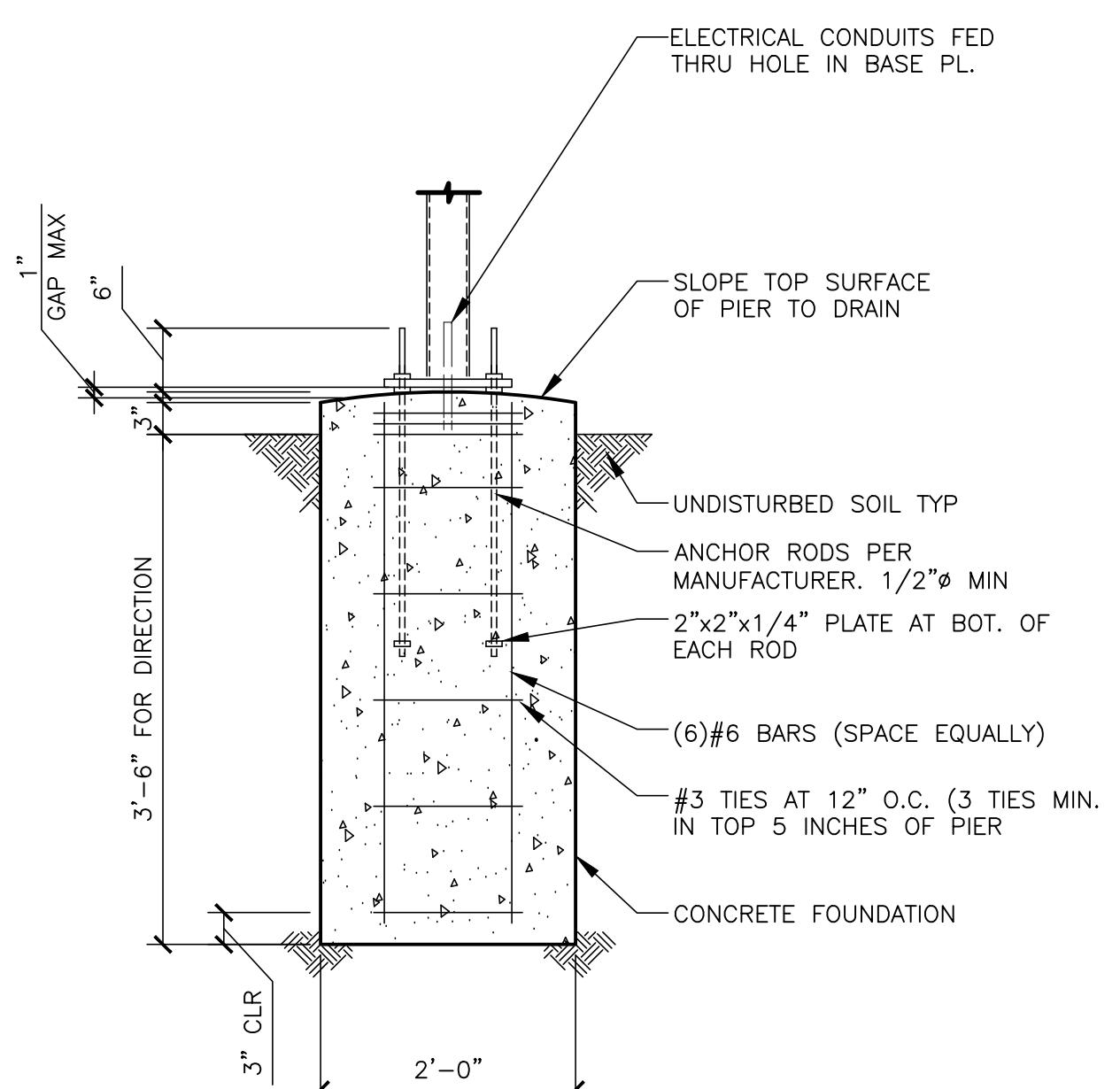
PIER SECTION DETAIL



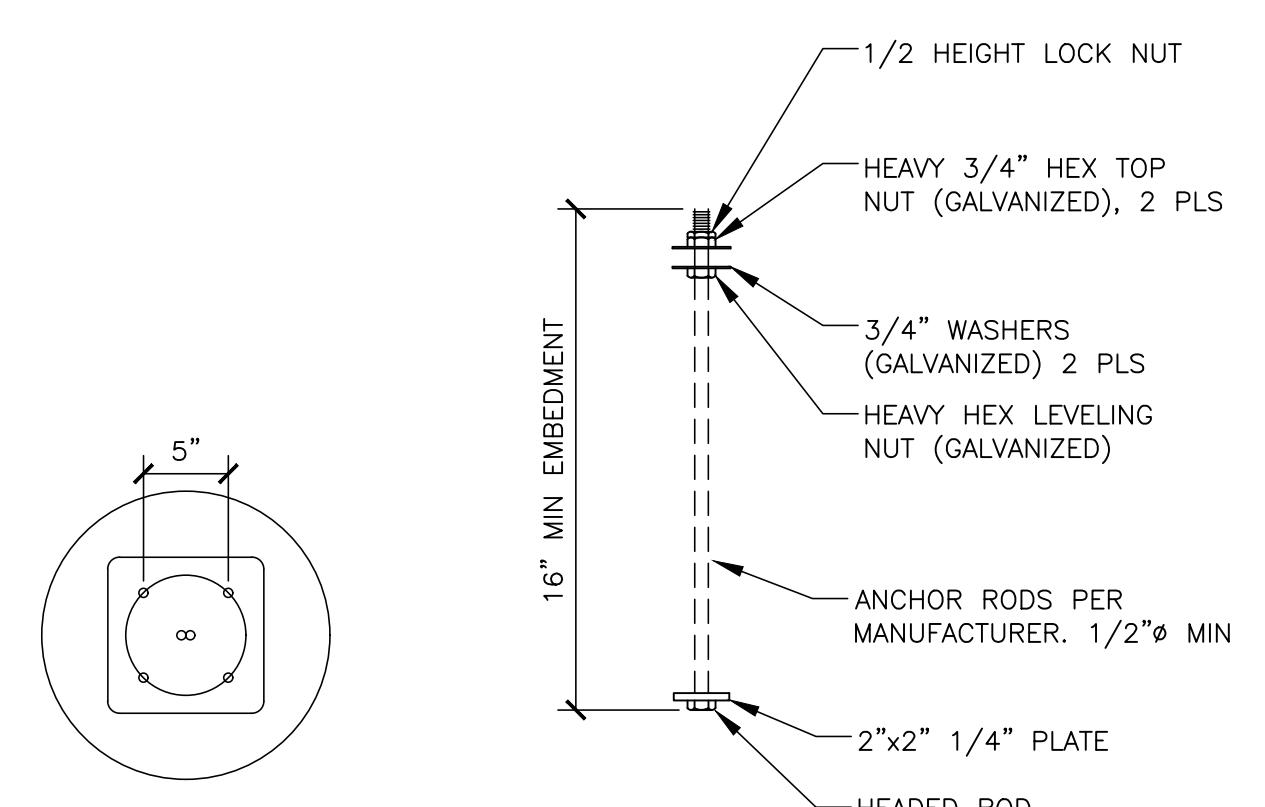
ANCHOR BOLT PATTERN

FOUNDATION FOR LIGHT POLE BASE
S3.4
3/4" = 1'-0"

- SEE SHEET S4.0 FOR FOUNDATION, CONCRETE AND STRUCTURAL STEEL GENERAL NOTES
- DESIGN LOADS DERIVED FROM CODES AND FORCES
 - AXIAL - 180# (DIRECTION)
 - SHEAR - 270# (DIRECTION)
 - MOMENT - 1,010# (DIRECTION)
- ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
- TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE)
- ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.
- ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH FILL COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE.
- TOP PIER SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- DO NOT PLACE POLES IN CONCRETE UNTIL CONCRETE HAS CURED PER MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION, SECTION 3.11-E, PERFORMED IN ACCORDANCE WITH AWS D1.1.
- REFER TO SIGN MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
- DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE



PIER SECTION DETAIL

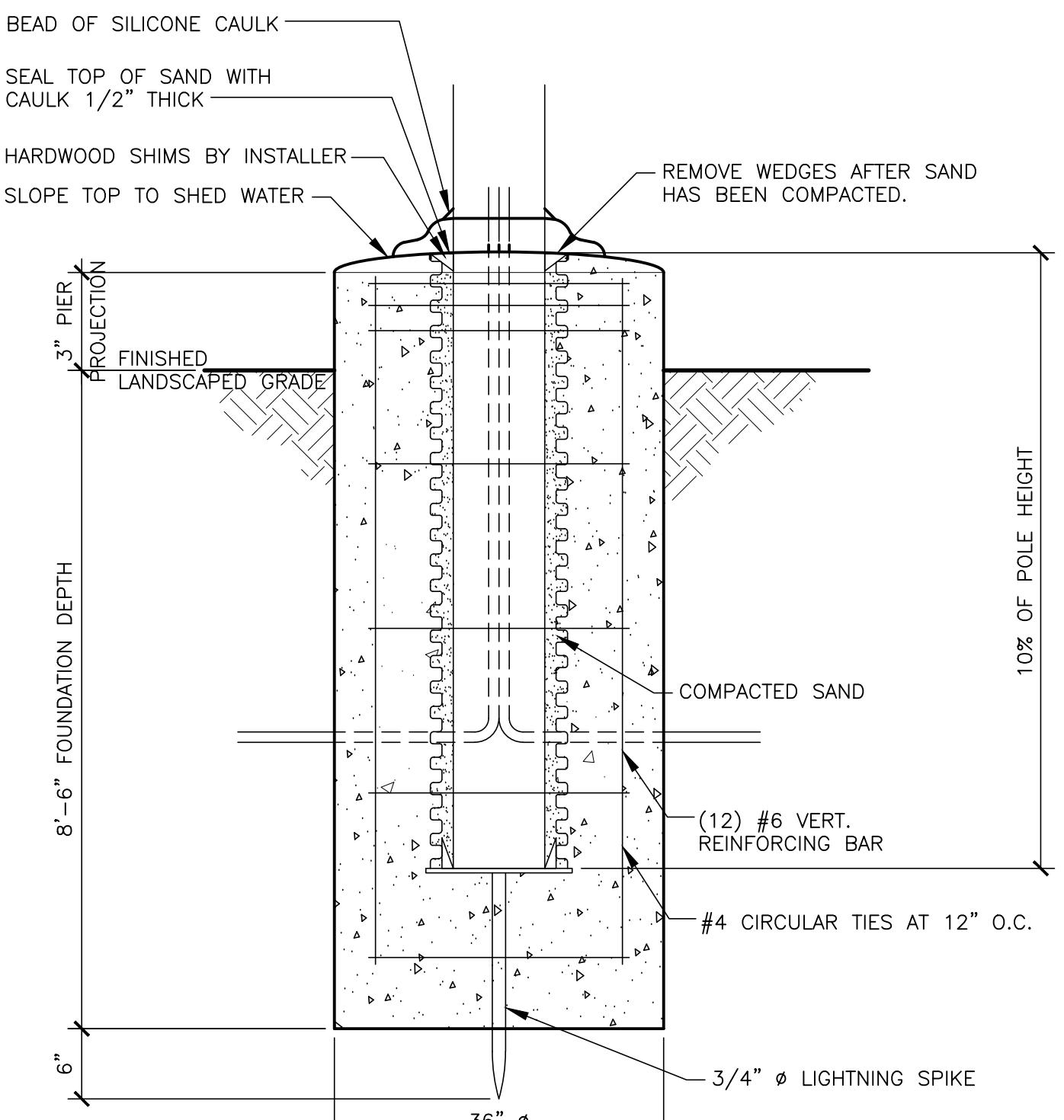


ANCHOR BOLT PATTERN

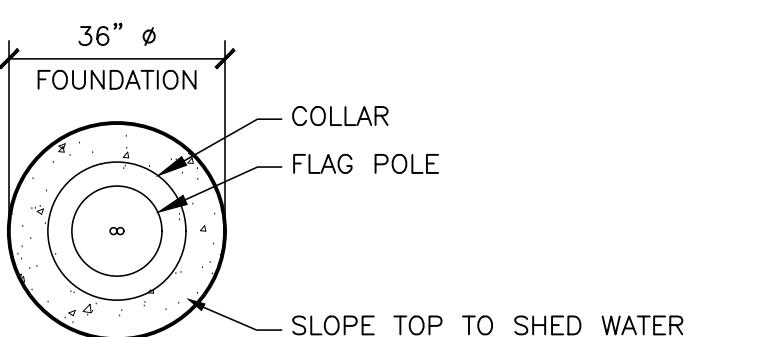
FOUNDATION FOR DIRECTION BOARD
S3.4
3/4" = 1'-0"

FLAG POLE BASE NOTES

- SEE SHEET S4.0 FOR STRUCTURAL GENERAL NOTES AND DESIGN CODES
- DESIGN CRITERIA:
 - AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, FIFTH EDITION, 2009
- FOUNDATION DESIGN PARAMETERS:
 - MOMENT = 33,480 lbs-ft
 - BASE SHEAR = 1682 lbs
 - 6" MAXIMUM DEPTH OF DISTURBED SOIL OR TOP SOIL
 - THIS FOUNDATION DESIGN SHALL NOT BE USED IN LOCATIONS WHICH ARE CLOSER THAN 8ft FROM A RETAINING WALL.
 - THIS FOUNDATION DESIGN SHALL NOT BE USED AT LOCATIONS WHERE THE GROUND SLOPE EXCEEDS 4 inches per foot.
 - ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.
 - INSTALL SAND AND POLE PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
 - SEAL SAND IN FOUNDATION WITH CAULK PER MANUFACTURERS GUIDELINES.
 - FLAG SIZES SHALL NOT EXCEED THE FOLLOWING AREA LIMITATIONS:
 - 25'-0" POLE --> 5'-0" x 8'-0" FLAG
 - 30'-0" POLE --> 6'-0" x 10'-0" FLAG
 - 40'-0" POLE --> 8'-0" x 12'-0" FLAG
 - 50'-0" POLE --> 10'-0" x 15'-0" FLAG
- REFER TO FLAG MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION INCLUDING INSTALLATION INSTRUCTIONS.



PIER SECTION DETAIL



ANCHOR BOLT PATTERN

FOUNDATION FOR FLAG POLE BASE
S3.4
3/4" = 1'-0"

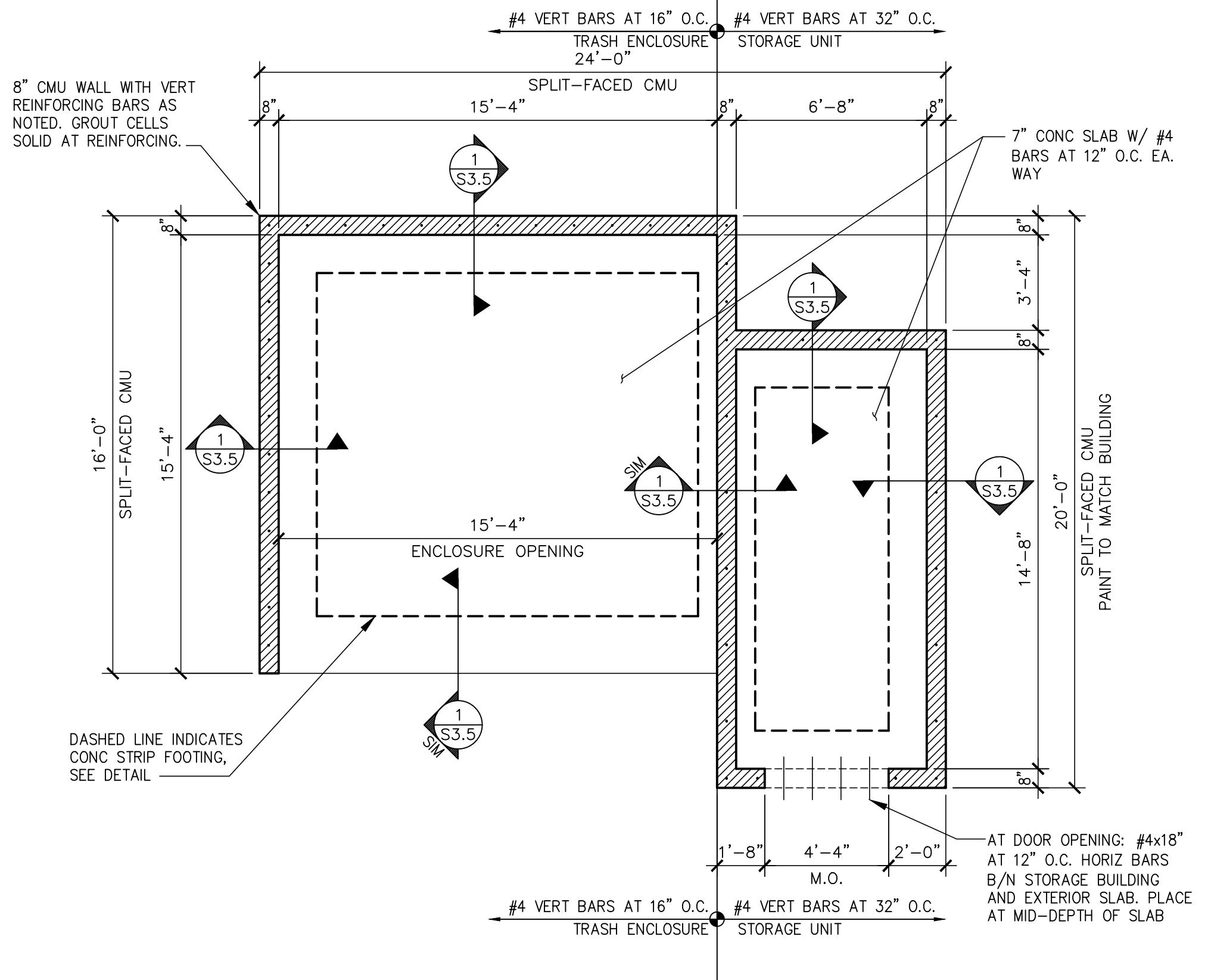
rubix
consultants
Rubix Consultants, LLC
4100 N. Cicero Ave.
Chicago, IL 60613
(312) 622-5411
TX Firm No. 1-A032

Signed/Sealed:
08/30/2025

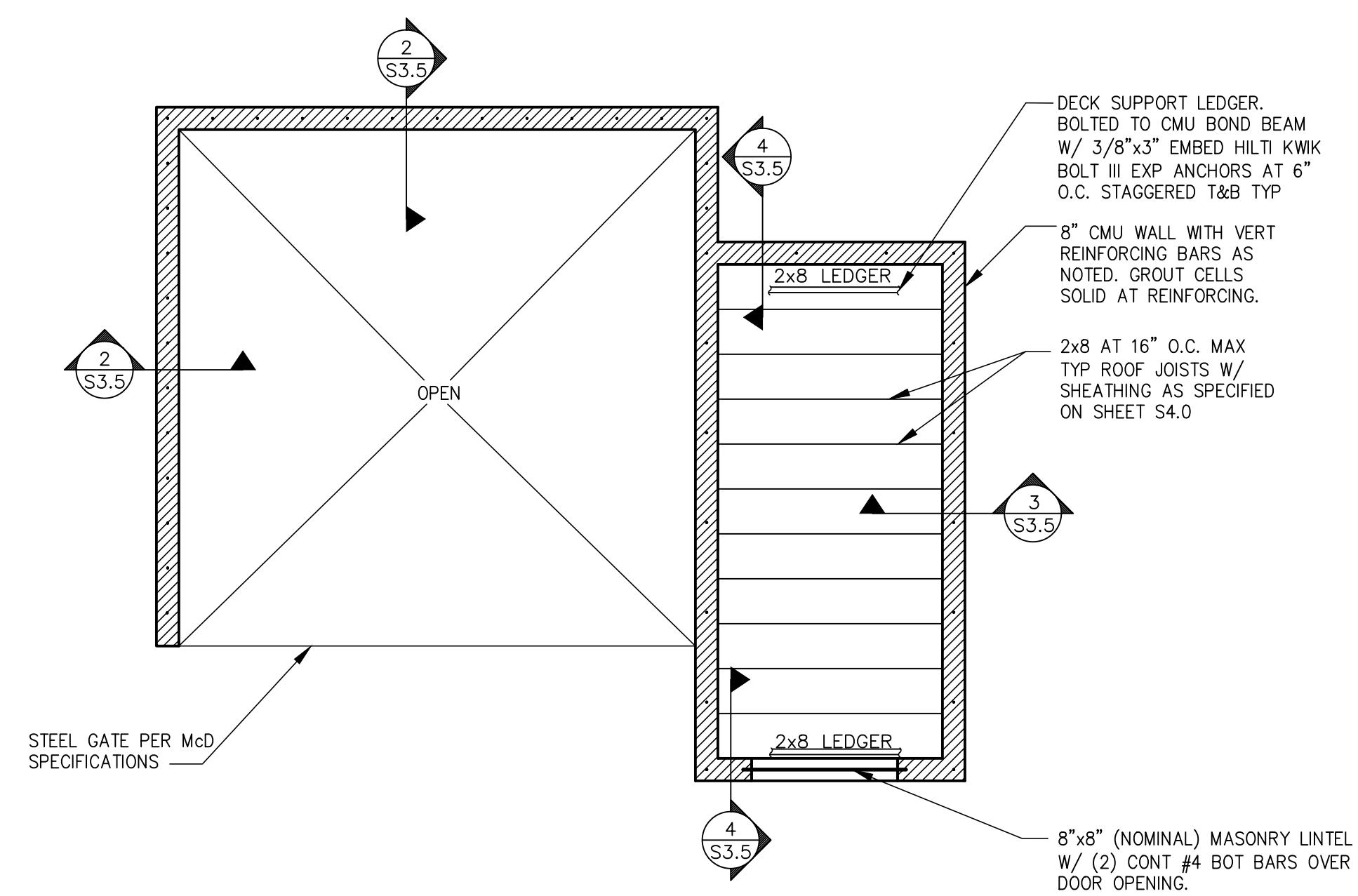
McDonald's USA, LLC

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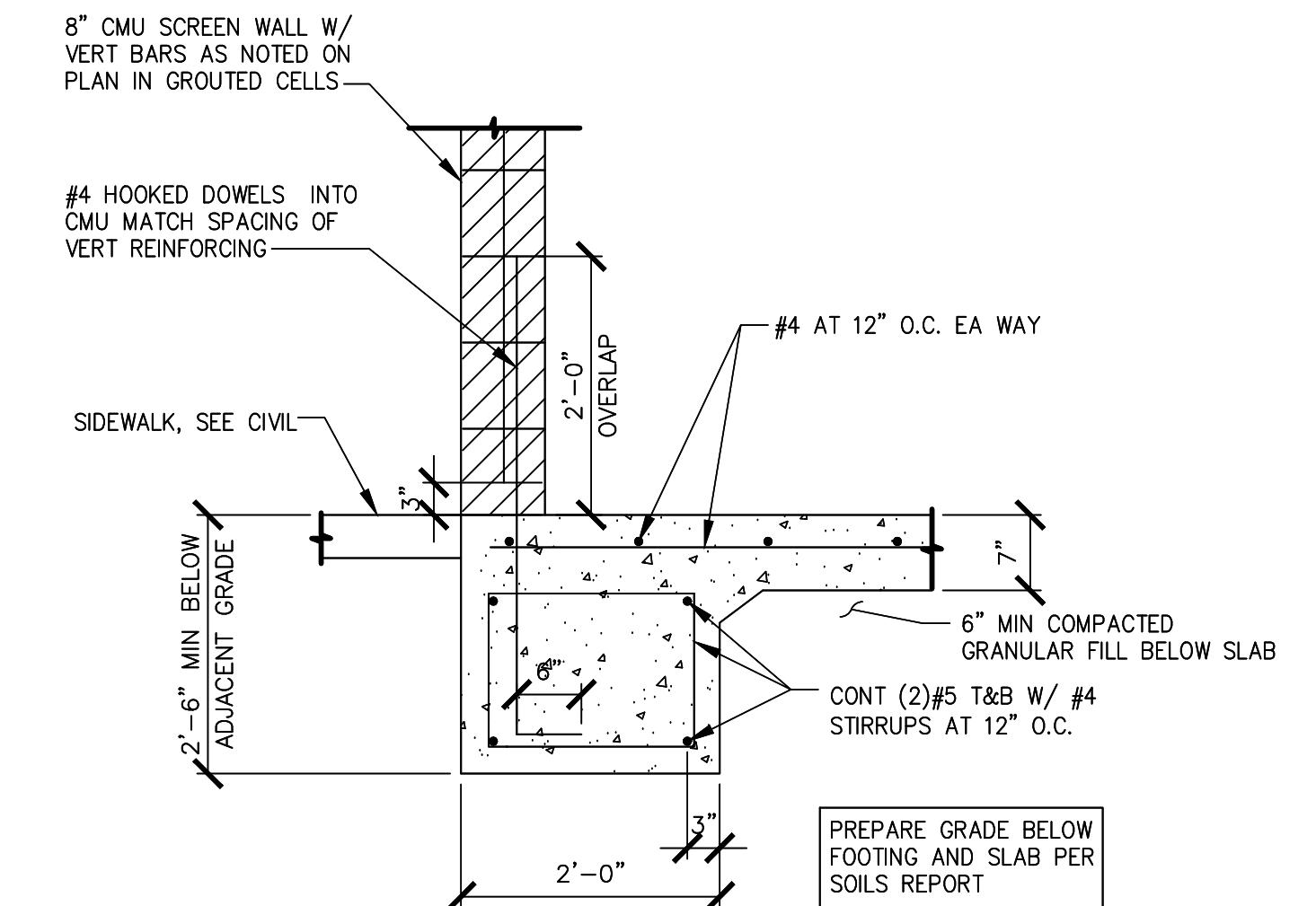
JAWA 24-0221
SHEET NO. 33.4 SITE ELEMENTS DETAILS
TITLE 2025 STANDARD BUILDING - BB20
DESCRIPTION WOOD BEARING WALLS
DRAWN BY MKP STD ISSUE DATE 2025
REVIEWED BY AP DATE ISSUED 02/07/2025
SITE ADDRESS 3500 4000 4500 5000



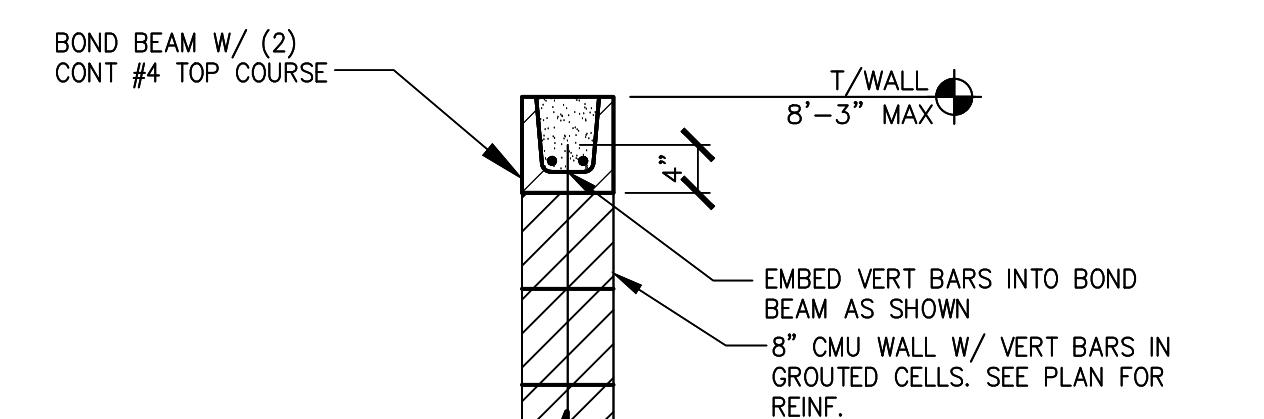
FOUNDATION PLAN @ TRASH ENCL
N.T.S.



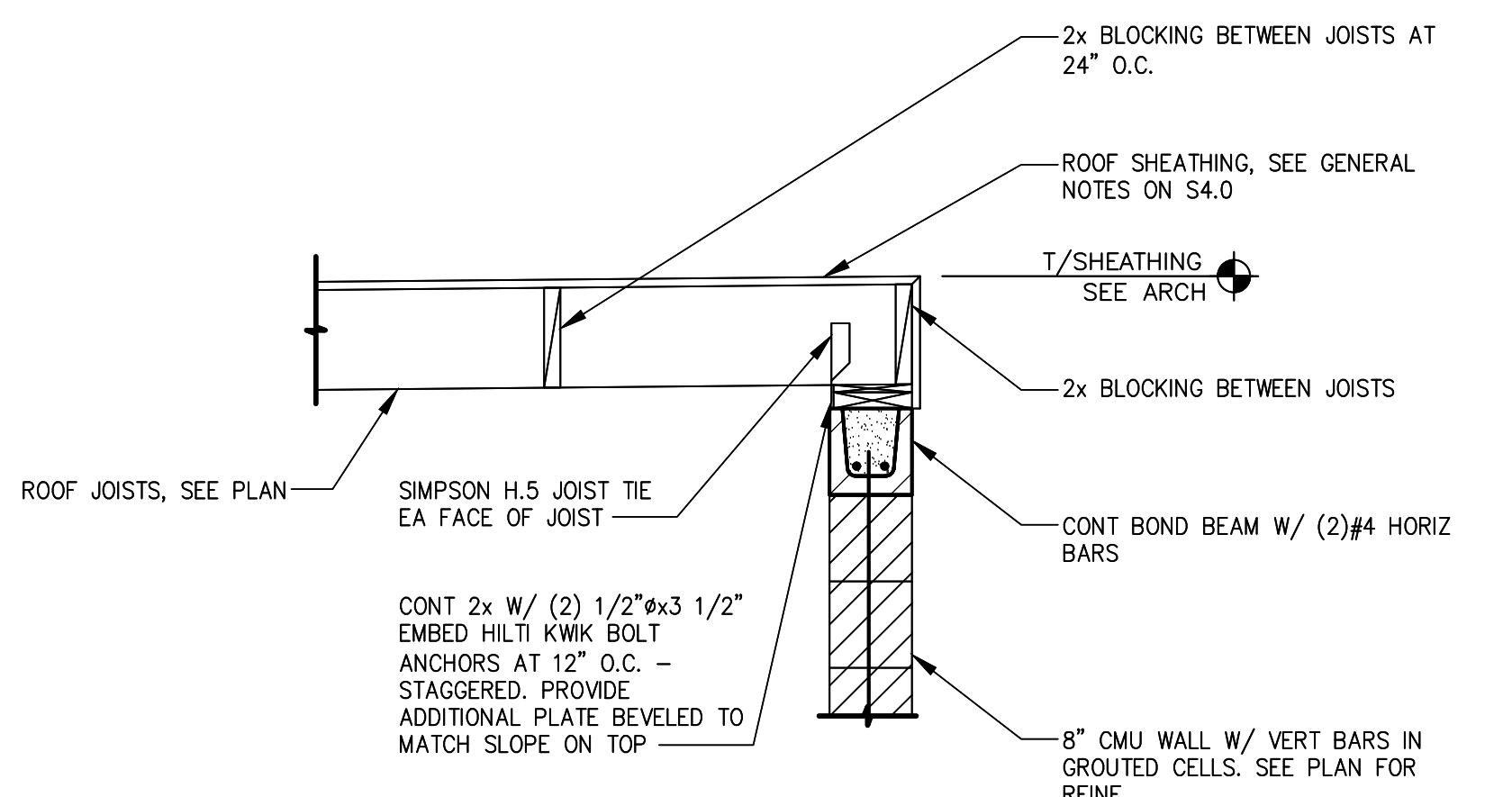
FRAMING PLAN @ TRASH ENCL
N.T.S.



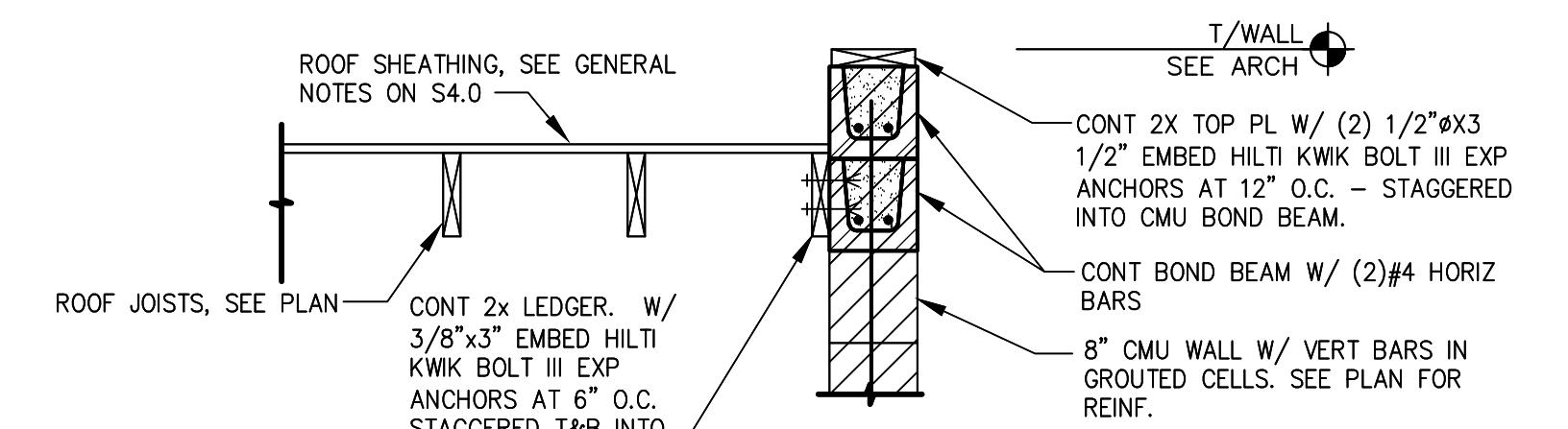
FOUNDATION DETAIL
N.T.S.



TOP OF WALL @ TRASH ENCL
N.T.S.



TOP OF WALL @ STORAGE BLDG
N.T.S.



SECTION @ STORAGE BLDG
N.T.S.

rubix
consultants
Rubix Consultants, LLC
403 N. Dearborn Ave.
Chicago, IL 60613
(312) 622-5411
TX Firm No. 1-4032

Signed/Sealed:
06/30/2025

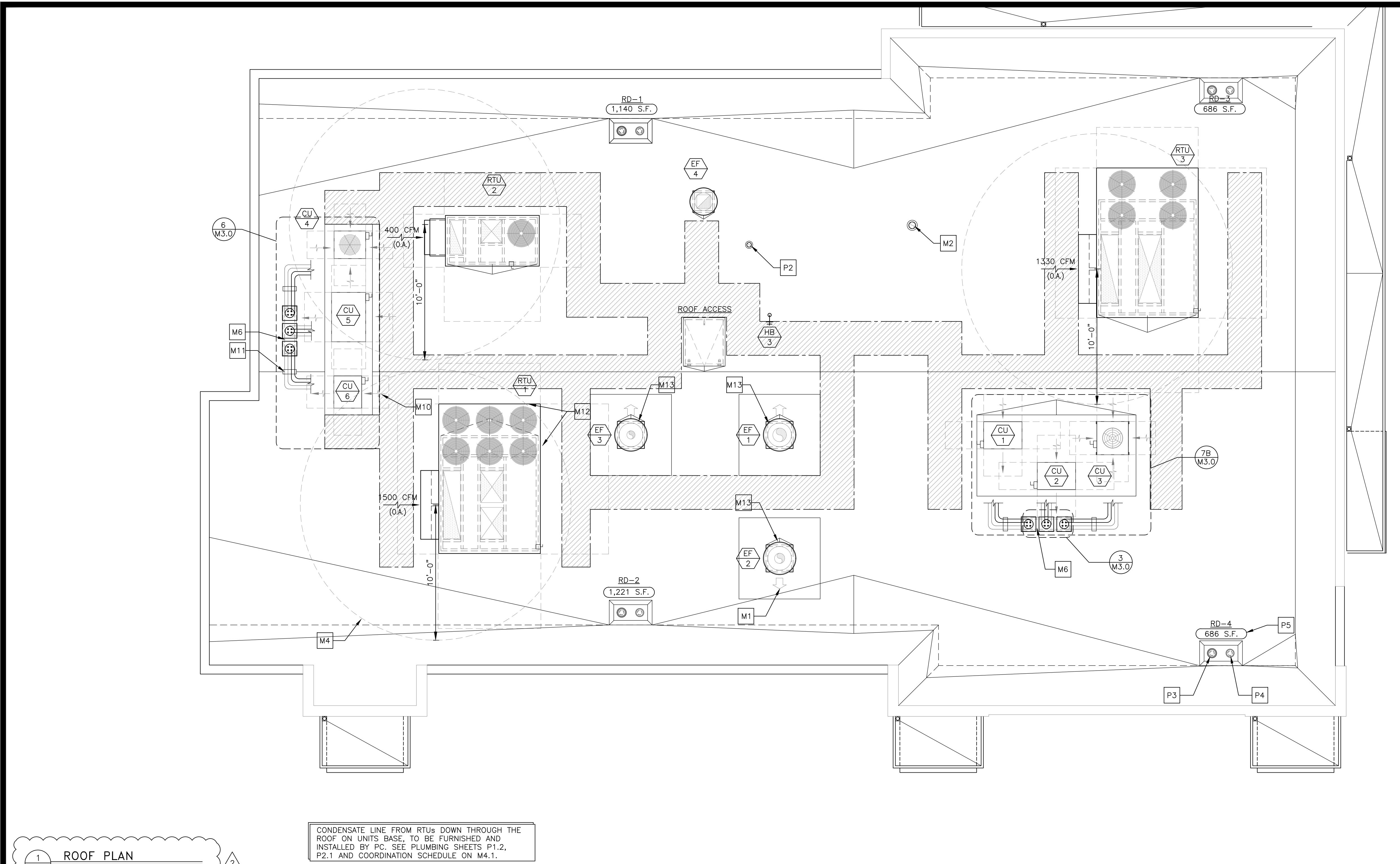
McDonald's USA, LLC

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TITLE	2025 STANDARD BUILDING - BB20	DRAWN BY	MKP
STD ISSUE DATE	2025	REVIEWED BY	AP
DATE ISSUED	02/07/2025	APPROVED BY	
DESCRIPTION	4584-WOOD/WOOD	STAMP	
SITE ID	002-546	SITE ADDRESS	JAVA 24-0221 WOOD BEARING WALLS WOOD ROOF TRUSSES

S3.5
TRASH ENCL DETAILS

STRUCTURAL GENERAL NOTES:



DRAWING NOTES

1. ROOFTOP EQUIPMENT LOCATIONS SHOWN ARE GENERAL. ACTUAL LOCATIONS SHALL BE COORDINATED WITH THE STRUCTURAL DRAWINGS.
 2. ROOF OPENINGS FOR ROOFTOP UNITS AND EXHAUST FANS SHALL BE COORDINATED WITH THE MANUFACTURER.
 3. ROOF OPENINGS FOR PIPE PORTALS SHALL ONLY BE LARGE ENOUGH TO ALLOW PIPE AND CONDUIT PENETRATIONS. PIPE PORTAL CURB SHALL BE FILLED WITH AS MUCH BATT INSULATION AS POSSIBLE.
 4. PRIOR TO INSTALLING THE TOP OF THE EQUIPMENT PLATFORM, INSIDE OF THE PLATFORM SHALL BE INSULATED WITH AS MUCH BATT INSULATION AS POSSIBLE.

KEYED NOTES

- M1 ARROW INDICATES DIRECTION OF EXHAUST FAN HINGE SWING (TYP.)
 - M2 6"Ø ALUMINUM EXHAUST DUCT FROM EXHAUST FAN (EF-5). PROVIDE PORTALS PLUS PLASTI-FLASH WITH C-126 CAP (OR EQUAL) FOR ROOF PENETRATION. TERMINATE DUCT A MIN. OF 24" ABOVE FINISHED ROOF WITH GOOSENECK.
 - M3 NOT USED.
 - M4 MAINTAIN A MINIMUM 10'-0" CLEARANCE FROM EDGE OF OUTLETS AND VENT TERMINALS TO FRESH AIR INTAKES (TYP.)
 - M5 NOT USED
 - M6 ROOF PIPE PORTAL FOR CONDENSING UNITS
 - M7 NOT USED.
 - M8 NOT USED.
 - M9 NOT USED.
 - M10 ARROW INDICATES DIRECTION OF AIRFLOW FOR CONDENSING OR ROOFTOP UNIT AIR INTAKE (TYP.)
 - M11 REFRIGERANT PIPING SUPPORT AS REQUIRED. PROVIDE ROOFTOP BLOX MODEL RTB-01 (OR EQUAL) AND ALL NECESSARY ACCESSORIES FOR PROPER PIPE AND CONDUIT SUPPORT. PROVIDE GALVANIZED PIPE SHIELD TO PROTECT INSULATION AT ALL SUPPORTS.

PIPE PORTAL SCHEDULE

ER	CURB DIMENSIONS	CURB TYPE	CAP TYPE (QTY)	SERVES	THERMOSTAT SETTINGS				DRAWN MES	STD ISSUE 2025	REVIEWED JAW	DATE ISSUED 02/07/2025			
					SETPOINTS		COOLING	HEATING							
	43"x12"x13"H	RC-2A	N18 (3)	CU-1 THROUGH CU-6	MODE		FAN	SETPOINTS		320					
					OCCUPIED		ON	COOLING							
					UNOCCUPIED		AUTO	HEATING							
					HUMIDITY				HUMIDITY SETPOINT (FOR DEHUMIDIFICATION UNITS ONLY)						
					60%										

SEQUENCE OF OPERATION

- 1, RTU-2 & RTU-3:

OCCUPIED MODE SHALL BEGIN AS FOLLOWS:

 - RTU-1: 1.5 HOURS BEFORE OPEN
 - RTU-2: 1 HOUR BEFORE OPEN
 - RTU-3: 30 MINUTES BEFORE OPEN

ROOFTOP UNIT FAN SHALL RUN CONTINUOUSLY DURING OCCUPIED MODE

ECONOMIZER SHALL BE OPEN DURING OCCUPIED MODE
(OUTDOOR AIR THROUGH ROOFTOP UNITS SERVES AS MAKE-UP AIR FOR THE KITCHEN EXHAUST SYSTEM) – REFER TO E3.2 FOR HOOD/FAN INTERLOCK DETAILS.

UNOCCUPIED MODE SHALL BEGIN ONE (1) HOUR AFTER STORE CLOSES

DURING UNOCCUPIED MODE, ECONOMIZER IS CLOSED AND HEATING, COOLING AND FAN OPERATE IN AUTO MODE (ON DEMAND)

Robert D. Anderson ,Inc.
EP Engineering & Design Consultants

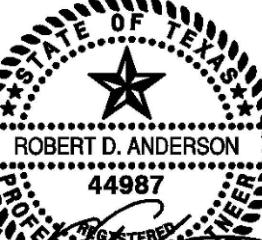
*Illumination*Plumbing*Power Distribution*Controls

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to: Mark Swanson-Project Manager
 817-556-0986
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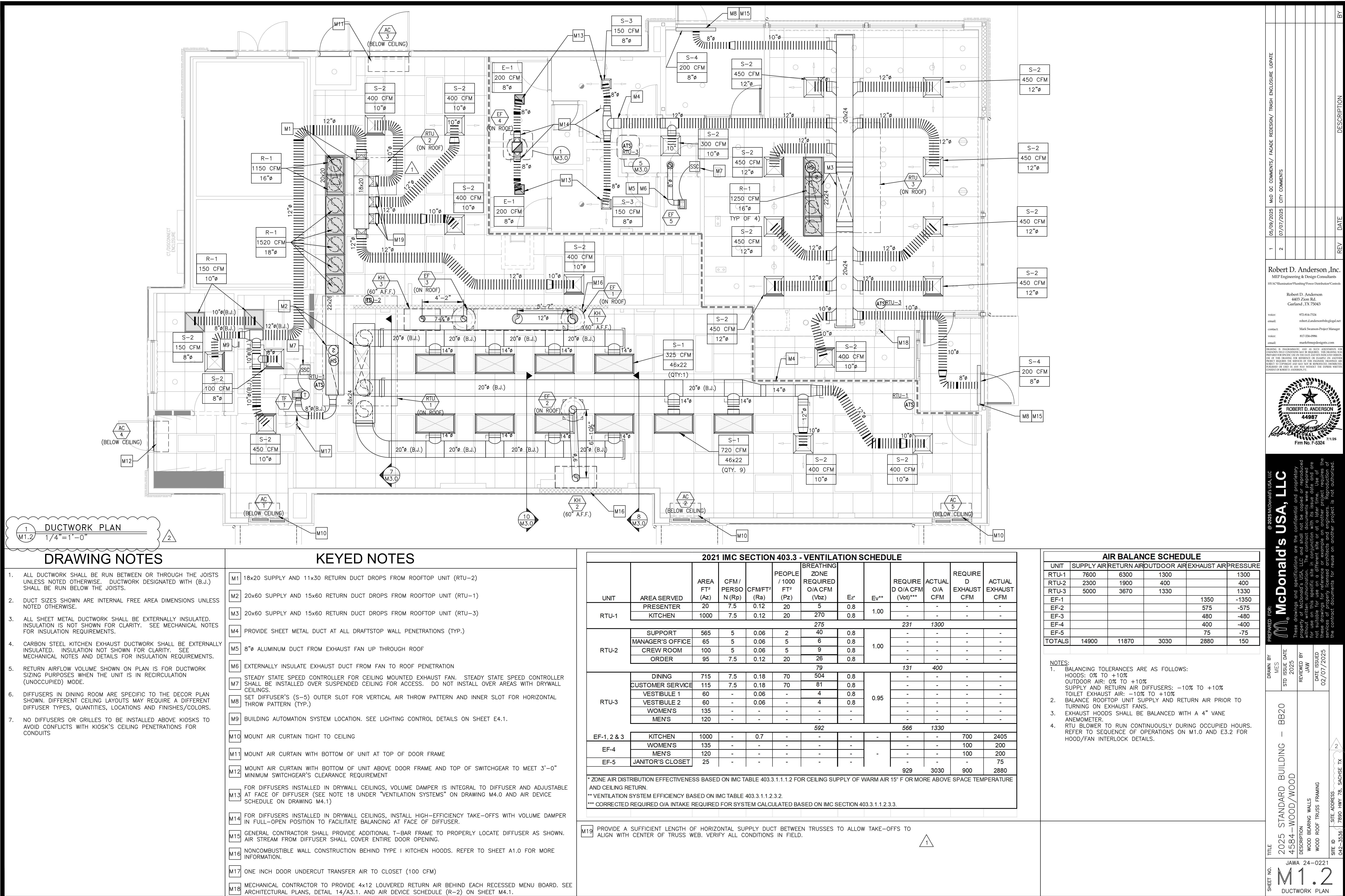


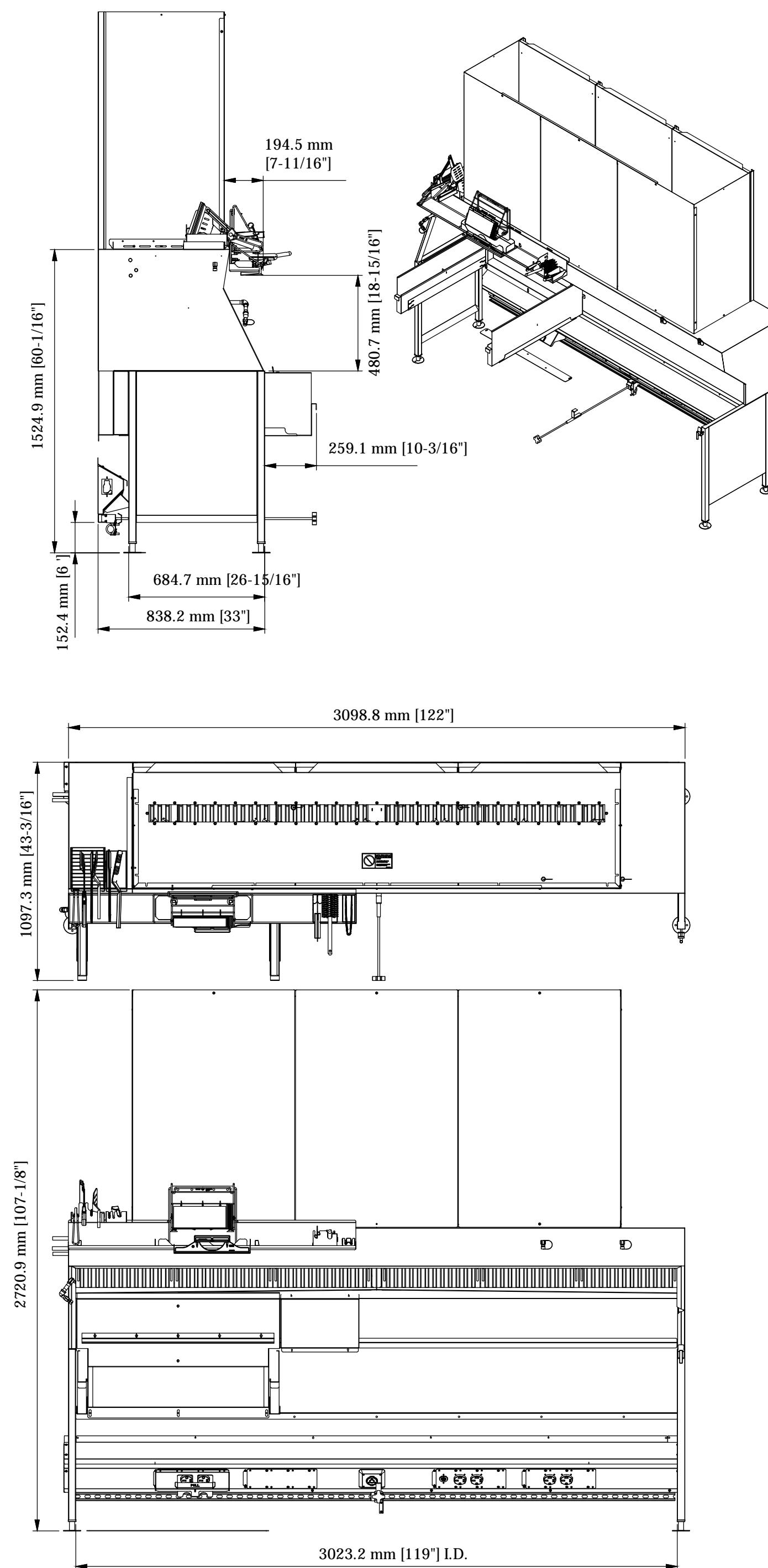
7/1/25

Firm No. F-5324

McDonald's USA, LLC

2025 STANDARD BUILDING - BB20		STD ISSUE DATE 2025	REVIEWED BY JAW	DATE ISSUED 02/07/2025
<p><u>4584-WOOD/WOOD</u></p> <p>DESCRIPTION WOOD BEARING WALLS WOOD ROOF TRUSS FRAMING</p>				
SITE ID 042-3536	SITE ADDRESS 7890 HWY 78, SACHSE TX			
JAWA 24-0221				
 1.  ROOF PLAN				





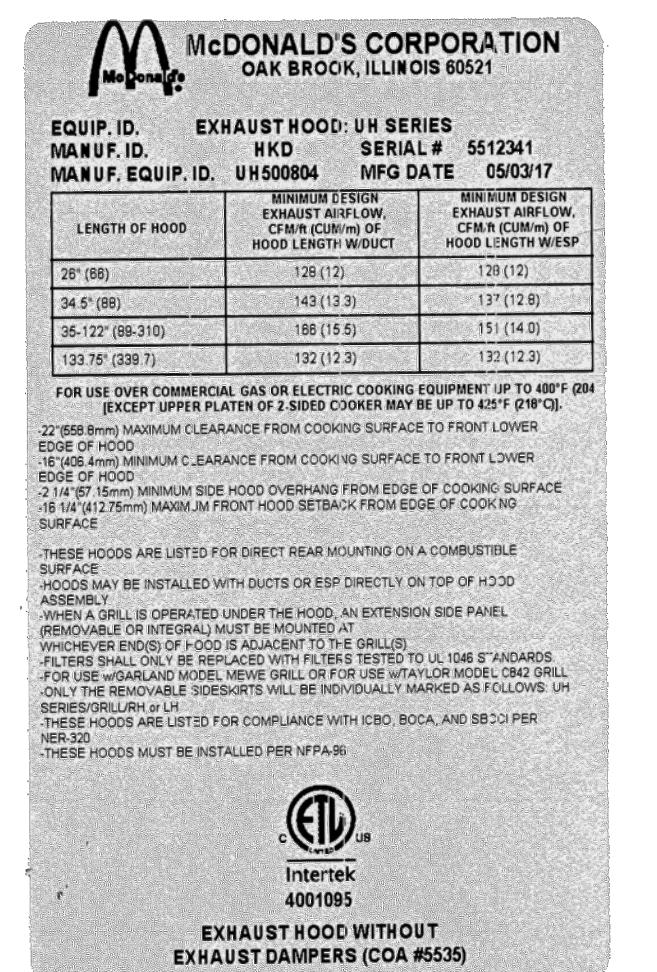
KITCHEN EXHAUST HOOD (TYPE I)

TAG: KH-1 (SEE KITCHEN EXHAUST HOOD SCHEDULE)
SCALING 1" = 1'-0"

SCALE: $\frac{1}{2}''=1'-0''$

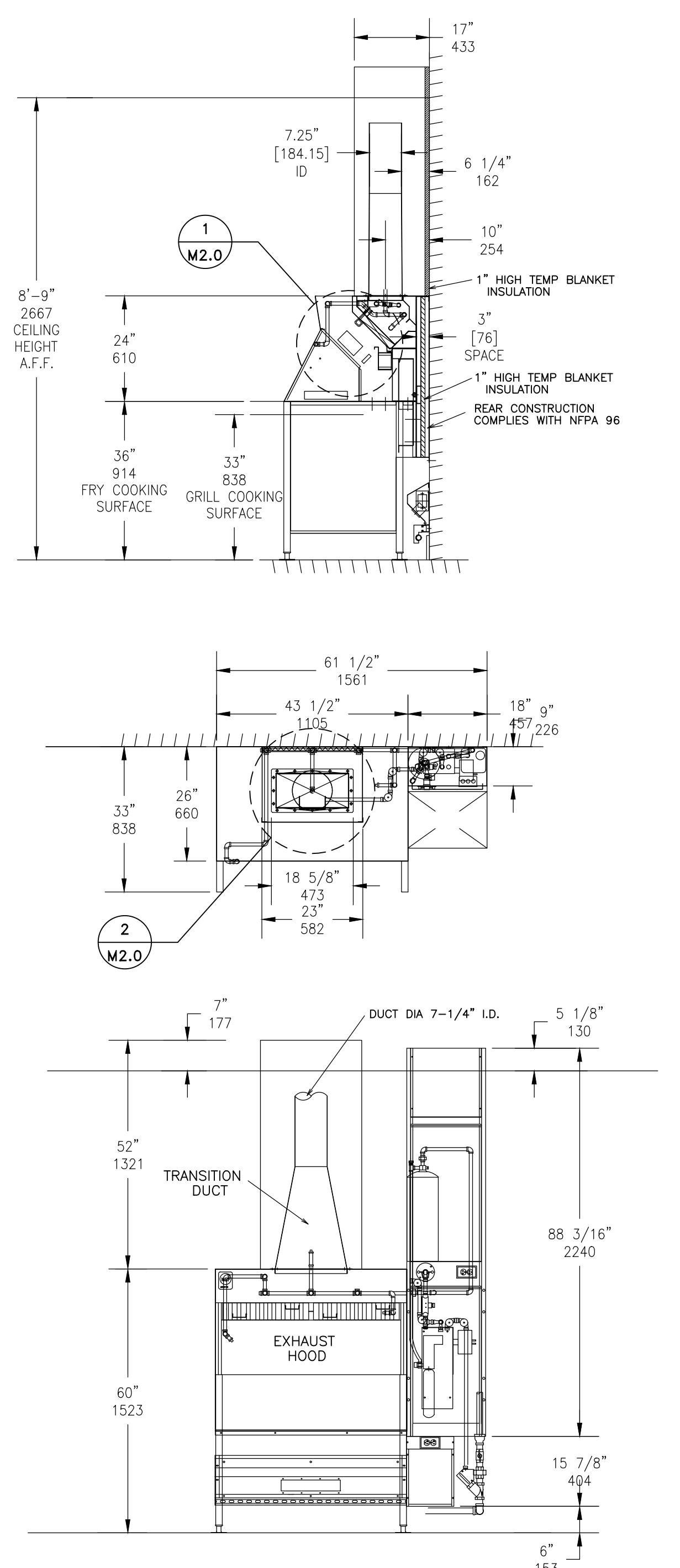
DRAWING NOTES

1. 16 GA. STAINLESS STEEL MATERIAL USED FOR HOOD CONSTRUCTION
 2. FILTER BAFFLE:
UL FILE R14372, VOL. 1, SEC. 1
UL CONTROL NUMBER 5L65
MEA-446-92-M
 3. EXHAUST HOOD:
UL FILE MH12755, VOL. 4
UL CONTROL NUMBER 78L1
 4. UTILITY CHASE AND RACEWAY:
UL FILE E163328, VOL.1, SEC.3
 5. HIGH TEMP GASKET:
UL FILE MH12755, VOL. 2, SEC. 1, ILL. 9
 6. HOOD CONSTRUCTION COMPLIES WITH NSF STANDARD 2
 7. HOOD PERFORMANCE TESTED IN ACCORDANCE WITH UL 710
 8. UL 300 AND NFPA 17A COMPLIANT R-102 WET CHEMICAL SYSTEM INCLUDED WITH HOOD INSTALLATION
 9. ANSUL CONNECTIONS AND STARTUP BY APPROVED ANSUL REPRESENTATIVE
 10. REFER E3.2 FOR HOOD/FAN INTERLOCK DETAILS
 11. CAPTURE JET PLENUMS ARE TO BE ATTACHED WHEN CALLED OUT PER KITCHEN SCHEDULE.



DETAIL

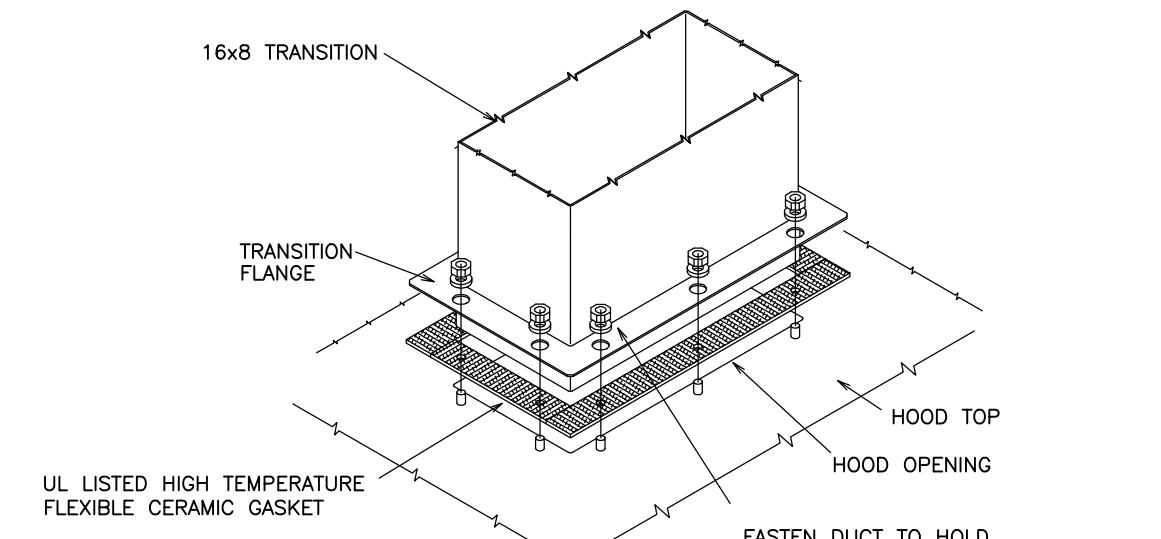
UL LABEL
SCALE: NONE



KITCHEN EXHAUST HOOD (TYPE I)

TAG: KH-3 (SEE KITCHEN EXHAUST HOOD SCHEDULE)
DATE: 11/13/02

SCALE: $\frac{1}{2}''=1'-0''$



DETAIL

OOD CONNECTION
CALE: NONE

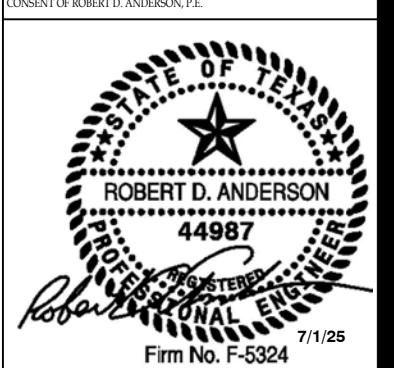
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HVAC*Illumination*Plumbing*Power Distribution*Controls

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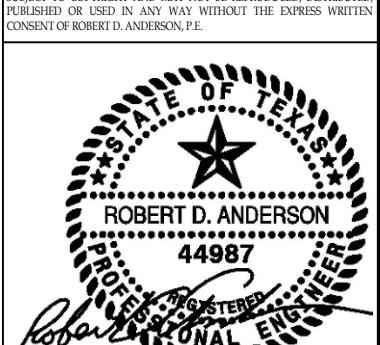


PREPARED FOR:

M McDonald's USA, LLC

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SHEET NO.	TITLE		DRAWN BY MES
	2025 STANDARD BUILDING – BB20		STD ISSUE DATE 2025
	4584-WOOD/WOOD		REVIEWED BY JAW
	DESCRIPTION	WOOD BEARING WALLS	DATE ISSUED 02/07/2025
	WOOD ROOF TRUSS FRAMING		
	SITE ID	SITE ADDRESS 042-3536 { 7890 HWY 78, SACHSE TX }	
JAWA 24-0221			
 			
EXHAUST HOODS			

<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. SHEET METAL DUCT DROP (SUPPLY, RETURN OR EXHAUST) 2. FOAM GASKET BETWEEN DUCT AND CURB 3. ROOF CURB 4. ROOF LINE 5. 6" FACE-TO-FACE CANVAS FLEXIBLE CONNECTION 6. 2" EXTERIOR INSULATION (SUPPLY AND RETURN) <p>DUCT DROP INSTALLATION SCALE: NONE</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> STRUCTURE ALL THREAD ROD ROUND FLEXIBLE DUCT TO TAKE-OFF 1" WIDE, 18 GA. SUPPORT STRAP W/ 5'-0" MAXIMUM SPACING DRAW-BAND CLAMP - TYPICAL EACH END MATERIAL LENGTH TO BE 5 FEET FLEXIBLE DUCT SUPPORT (TITUS FLEXRIGHT OR EQUIVALENT) MAX OFFSET ALLOWABLE: 2-INCHES PER FOOT OF FLEXIBLE DUCT LENGTH <p>CEILING AIR DEVICE - TYPICAL CEILING DIFFUSER/GRIFFE CONNECTION SCALE: NONE</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> REFRIGERANT LIQUID LINE REFRIGERANT SUCTION LINE WITH 1" THICK EXTERNAL FOAM INSULATION (ARMACELL OR EQUAL) STAINLESS STEEL CLAMP APPLY WEATHERPROOFING OVER FOAM INSULATION (ALUMAGUARD BY POLYGUARD OR EQUAL) WRAP FOAM INSULATION OVER PIPE PORTAL NIPPLE AND STAINLESS STEEL CLAMP REATTACH FOAM INSULATION IMMEDIATELY AFTER PIPE PORTAL INSULATION INSULATE BOTTOM OF ROOF PORTAL CURB (MIN. R-19) PIPE HANGER LIGHT GAUGE GALVANIZED STEEL PROTECTIVE SHIELD <p>REFRIGERANT PIPE INSTALLATION SCALE: NONE</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> PROVIDE BATT INSULATION FOR TEMPERATURE SENSORS INSTALLED IN HOLLOW CAVITY WALLS 2x4 ELECTRICAL BOX SENSOR (TEMPERATURE, HUMIDITY OR CO₂) MOUNT SENSOR(S) BETWEEN 4'-0" TO 4'-6" A.F.F. <p>REMOTE SENSOR INSTALLATION SCALE: NONE</p>	<p>MEP QC COMMENTS/ FAÇADE REDESIGN / TRASH ENCLOSURE UPDATE CITY COMMENTS</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>05/09/2025</td> </tr> <tr> <td>2</td> <td>07/07/2025</td> </tr> </tbody> </table> <p>Robert D. Anderson, Inc. MEP Engineering/Design Consultants HVAC/Illumination/Plumbing/Power Distributor/Control Robert D. Anderson 4403 Zinn Rd., Garland, TX 75043 voice: 972-814-7024 email: robert.anderson@bigslegal.net contact: Mark Swanson, Project Manager 817-556-0986 email: mark@mjwdesigns.com</p> <p>DRAFTING & ILLUSTRATION: AND AS SUCH AGREEMENTS FOR DRAWINGS AND SPECIFICATIONS ON THE DATE AND INDICATED HEREIN ARE PREPARED FOR SPECIFIC USE ON THE DATE AND INDICATED HERIN. NO DRAWINGS OR SPECIFICATIONS ARE TO BE COPIED OR REPRODUCED, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF THE CONTRACTOR. PROJECT REQUIRES THE SERVICES OF THIS ENGINEER. DRAWINGS ARE THE PROPERTY OF THE CONTRACTOR AND ARE NOT TO BE COPIED OR USED IN ANY WAY WITHOUT THE EXPRESS WRITTEN CONSENT OF THE CONTRACTOR.</p> <p> ROBERT D. ANDERSON Firm No. E-5324 7/1/25</p>	REV	DATE	1	05/09/2025	2	07/07/2025
REV	DATE									
1	05/09/2025									
2	07/07/2025									
<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 180" Lx43" Wx14" H EQUIPMENT PLATFORM MANUFACTURED BY RPS OR EQUAL 28" Lx24" Wx19 1/2" H CONDENSING UNIT (COOLER) 43/4" Lx30" Wx29 1/2" H CONDENSING UNIT (FREEZER) 29" Lx24 1/2" Wx34" H CONDENSING UNIT (MULTIPLEX) FASTEN CONDENSING UNIT TO TOP OF PLATFORM AND SEAL FASTENER PENETRATIONS WITH UV RESISTANT SEALANT OUTLINE OF SERVICE CLEARANCE EXTENDING 3'-0" FROM CONDENSING UNIT ON ALL SIDES CONDENSER AIR INTAKE CONDENSER FAN OUTLET ON TOP OF UNIT CONDENSER FAN OUTLET ON SIDE OF UNIT DISCONNECT SWITCH FURNISHED WITH UNIT PROVIDE PIPE SUPPORT AS REQUIRED (TREATED LUMBER IS NOT ACCEPTABLE) MULTIPLE PIPE PORTAL MANUFACTURED BY RPS OR EQUAL CONDUIT SIZES: (PER CONDENSING UNIT) (1) 3/4" POWER (1) 3/4" CONTROL REFRIGERANT PIPING SIZES: SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR RECOMMENDED REFRIGERANT PIPE SIZING <p>REMOTE CONDENSER UNITS (CU-4, CU-5 & CU-6) SCALE: 1/2"-1'-0"</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 141" Lx72" Wx14" H EQUIPMENT PLATFORM MANUFACTURED BY RPS OR EQUAL 34" Lx24 1/2" Wx25 1/2" H CONDENSING UNIT FASTEN CONDENSING UNIT TO TOP OF PLATFORM AND SEAL FASTENER PENETRATIONS WITH UV RESISTANT SEALANT OUTLINE OF SERVICE CLEARANCE EXTENDING FROM CONDENSING UNIT ON ALL SIDES CONDENSER AIR INTAKE CONDENSER FAN OUTLET DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR PROVIDE PIPE SUPPORT AS NECESSARY (TREATED LUMBER IS NOT ACCEPTABLE) MULTIPLE PIPE PORTAL MANUFACTURED BY RPS OR EQUAL 29 1/2" Lx28" Wx38" H CONDENSING UNIT <p>VIEW TOWARDS REAR OF KITCHEN AT DUCT DROPS SCALE: 1/2"-1'-0"</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 141" Lx72" Wx14" H EQUIPMENT PLATFORM MANUFACTURED BY RPS OR EQUAL 34" Lx24 1/2" Wx25 1/2" H CONDENSING UNIT FASTEN CONDENSING UNIT TO TOP OF PLATFORM AND SEAL FASTENER PENETRATIONS WITH UV RESISTANT SEALANT OUTLINE OF SERVICE CLEARANCE EXTENDING FROM CONDENSING UNIT ON ALL SIDES CONDENSER AIR INTAKE CONDENSER FAN OUTLET DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR PROVIDE PIPE SUPPORT AS NECESSARY (TREATED LUMBER IS NOT ACCEPTABLE) MULTIPLE PIPE PORTAL MANUFACTURED BY RPS OR EQUAL 29 1/2" Lx28" Wx38" H CONDENSING UNIT <p>REMOTE CONDENSER UNIT (CU-1, CU-2 & CU-3) SCALE: 1/2"-1'-0"</p>	<p>CONDUIT SIZES: (PER CONDENSING UNIT) (1) 3/4" POWER (1) 3/4" CONTROL</p> <p>REFRIGERANT PIPING SIZES: (PER CONDENSING UNIT) ICE MACHINE - 1/2" LIQUID, 1/2" SUCTION (CU-3 CONDENSING UNIT) ICE MACHINE - 1/2" LIQUID, 1/2" SUCTION</p>							
<p>KEYED NOTES:</p> <ol style="list-style-type: none"> UPBLAST EXHAUST FAN (SEE EXHAUST FAN SCHEDULE) HINGED CURB CAP FOR CLEANING ACCESS (FURNISHED WITH FAN) GREASE TRAP (FURNISHED WITH FAN) NEMA 3R DISCONNECT SWITCH (FURNISHED WITH FAN) 12" HIGH CURB EXTENSION (FURNISHED WITH FAN) 18" HIGH CURB (FURNISHED WITH FAN) TWO (2) LAYERS OF 1/2" THICK DUCT WRAP TO MEET ASTM E2355 INSTALLED PER MANUFACTURER'S INSTRUCTIONS (SEE MECHANICAL NOTES FOR INSULATION SPECIFICATION) 16 GAUGE BLACK IRON (CARBON STEEL) OR 18 GAUGE STAINLESS STEEL DUCTWORK 5-GORE BLACK IRON (CARBON STEEL) RADIUS ELBOW 12"x6" ACCESS DOOR AT ALL CHANGES IN DIRECTION STAINLESS STEEL FASCIA PANEL TO PROTECT DUCTWORK AND INSULATION BACKSHELF TYPE EXHAUST HOOD (SEE KITCHEN EXHAUST HOOD SCHEDULE) COOKING APPLIANCE (SEE KITCHEN DRAWINGS) REAR WALL CONSTRUCTION SHALL CONSIST OF CERAMIC TILE OR MIN. 22 GAUGE STAINLESS STEEL OVER 1/2" TYPE X GYPSUM BOARD OR 1/2" CEMENT BOARD FROM FLOOR TO CEILING AND EXTENDING 24" TO EACH SIDE OF THE HOOD INSTALLED ON NON-COMBUSTIBLE WALL (REFER TO SHEET A1.0 FOR MORE INFORMATION). 2x10 LIGHT GAUGE STEEL FOR SUPPORT BLOCKING FOR HOOD AND RACEWAY (COORDINATE INSTALLATION WITH HOOD INSTALLER) STRUCTURAL FRAMING FOR ROOF OPENING (SEE STRUCTURAL DRAWINGS) TRANSITION TO FLEXIBLE CONDUIT UNDER ROOF PENETRATION WHERE ALLOWED BY CODE. ROOF PIPE PORTAL, RPS-N18(1) RC-2A 12x12x11H. 1/2" PER FOOT SLOPE PITCHED BACK TOWARDS THE HOOD. <p>KITCHEN EXHAUST HOOD INSTALLATION SCALE: 1/2"-1'-0"</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> OUTLINE OF ROOFTOP UNIT ROOF CURB SUPPLY AND RETURN AIR DUCT DROPS ROOF OPENING <p>RTU-2 (6-TONS)</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 22"x46"x27" H PLUNGE BOX 24"x48" PERFORATED DIFFUSER 2" THICK EXT. INSULATION DUCT SUPPORT WITH ATTACHMENT AT TOP OF JOIST OR UNISTRUT SUPPORT WHERE DIRECT ATTACHMENT TO JOIST IS NOT POSSIBLE. TYPICAL 4 PER PLUNGE BOX. <p>RTU-1 (20 TONS) & RTU-3 (15-TONS)</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 22"x46"x27" H PLUNGE BOX 24"x48" PERFORATED DIFFUSER 2" THICK EXT. INSULATION DUCT SUPPORT WITH ATTACHMENT AT TOP OF JOIST OR UNISTRUT SUPPORT WHERE DIRECT ATTACHMENT TO JOIST IS NOT POSSIBLE. TYPICAL 4 PER PLUNGE BOX. <p>SUPPLY (S-1) PLENUM INSTALLATION SCALE: 1/2"-1'-0"</p>							

MECHANICAL NOTES

- GENERAL:

 - ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
 - ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.
 - ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH McDONALD'S SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS AND THE McDONALD'S PROJECT MANUAL. ANY CONTRACTOR IN NEED OF A COPY OF THE McDONALD'S PROJECT MANUAL SHALL CONTACT THE McDONALD'S AREA CONSTRUCTION MANAGER. ANY VARIANCE FROM THE McDONALD'S SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.
 - ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.
 - PRIOR TO BUILDING TURNOVER, A COMPLETE START-UP, TEST, ADJUST AND BALANCE SHALL BE PERFORMED ON ALL MECHANICAL SYSTEMS. THIS WORK SHALL BE PERFORMED BY A CERTIFIED TEST AND BALANCE CONTRACTOR. A CERTIFIED TEST AND BALANCE CONTRACTOR CAN BE FOUND BY VISITING:

<HTTP://WWW.AABCHQ.COM/DIRECTORY>
<HTTP://WWW.NEBB.ORG/DIRECTORY.HTM>
<HTTP://WWW.TBBCERTIFIED.ORG/SITE/CONTENT/CONTRACTORS/SEARCH>
 - UPON COMPLETION OF THE PUNCHLIST, THE MECHANICAL CONTRACTOR AND TEST AND BALANCE CONTRACTOR SHALL SUBMIT REDLINED OR AS-BUILT DRAWINGS ALONG WITH THE TEST AND BALANCE REPORT AND ALL EQUIPMENT OPERATION AND MAINTENANCE MANUALS TO THE McDONALD'S AREA CONSTRUCTION MANAGER. A MINIMUM OF TWO (2) COPIES SHALL BE PROVIDED, ONE (1) FOR REGIONAL RECORDS AND ONE (1) FOR THE RESTAURANT.
 - ALL PENETRATIONS OF FIRE-RATED WALLS SHALL BE FIRESTOPPED WITH AN APPROVED AND LISTED FIRESTOPPING SYSTEM.

VENTILATION SYSTEMS:

 - ALL SHEET METAL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH LOCAL CODES AND SMACNA STANDARDS.
 - ALL DUCTWORK DIMENSIONS ARE INTERNAL FREE AREA DIMENSIONS AND SIZED FOR 0.08" W.C. PER 100 FT. OF DUCT.
 - ALL SHEET METAL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA TABLES FOR 2" W.C. AND SHALL BE SUPPORTED WITH AN APPROVED HANGER AT INTERVALS NOT EXCEEDING 10 FT.
 - ALL DUCT DROPS INTO THE BUILDING SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO ISOLATE THE DUCTWORK SYSTEM FROM NOISE AND VIBRATION. FLEXIBLE CONNECTIONS SHALL BE TESTED IN ACCORDANCE WITH UL 181 AND LISTED AS CLASS 0 OR CLASS 1.
 - ALL DUCT DROPS INTO THE BUILDING SHALL BE OFFSET AS NECESSARY TO ALLOW FOR THE CLEAR INSTALLATION OF THE EXTERNAL DUCTWORK INSULATION.
 - ALL DUCTWORK BRANCHES THAT SERVE A SINGLE DIFFUSER SHALL BE SUPPLIED WITH A VOLUME DAMPER FOR BALANCING. BRANCHES THAT SERVE MULTIPLE DIFFUSERS, THE BALANCING IS HANDLED VIA REMOTE DAMPER INSTALLED NEAR THE DIFFUSER. REFER TO M1.2 FOR DAMPER LOCATIONS. VOLUME DAMPER SHALL HAVE A 2" OFFSET TO ACCOMMODATE EXTERNAL INSULATION.
 - TAKE-OFFS FROM RECTANGULAR TO ROUND DUCT SHALL BE DUCTMATE STRAIGHT-SIDED OR CENTER HIGH-EFFICIENCY TAKE-OFFS WITH A 2" DAMPER STAND-OFF TO ACCOMMODATE FOR EXTERNAL INSULATION.
 - ALL DUCTWORK JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS SHALL BE SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), TAPES, ETC. ALL SEALANT MATERIALS SHALL BE LISTED IN ACCORDANCE WITH UL 181A OR 181B.
 - ALL SUPPLY AND RETURN SHEET METAL DUCTWORK LOCATED WITHIN THE CEILING SPACE SHALL BE EXTERNALLY INSULATED. INSULATION SHALL BE 2" THICK MICROLITE FSK-100 BY JOHNS MANVILLE OR EQUAL.
 - ALL SUPPLY AND RETURN SHEET METAL DUCTWORK LOCATED OUTSIDE OF THE BUILDING SHALL BE INTERNALLY LINED WITH A 1" THICK FIBERGLASS (MIN. R-4.2) AND EXTERNALLY INSULATED WITH A 2" THICK RIGID POLYSTYRENE, POLYURETHANE OR POLYISOCYANURATE BOARD (MIN. R-8 FOR CLIMATE ZONES 1 THROUGH 4), OR A 3" THICK (MIN R-12 FOR CLIMATE ZONES 5 THROUGH 8). INTERNAL FIBERGLASS INSULATION SHALL BE LINATEX BY JOHNS MANVILLE OR EQUAL. EXTERNAL RIGID BOARD INSULATION SHALL BE THERMAPINK BY OWENS CORNING OR EQUAL.
 - FOR APPLICABLE SITUATIONS OR PLAYPLACE ADDITIONS: ALL EXPOSED SPIRAL DUCTWORK SHALL BE INTERNALLY INSULATED TO PREVENT CONDENSATION (MIN. R-4.3). INTERNAL INSULATION SHALL BE 1" THICK SPIRACOUSTIC PLUS BY JOHNS MANVILLE OR EQUAL.
 - ALL DUCTWORK PENETRATIONS THROUGH FIRE-RATED WALLS, BARRIERS OR PARTITIONS SHALL BE PROTECTED WITH A FIRE DAMPER. THE PERIMETER OF THE FIRE DAMPER SHALL BE FIRESTOPPED WITH AN APPROVED AND LISTED FIRESTOPPING MATERIAL.
 - ALL EXTERIOR SHEET METAL DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH AN APPROVED WEATHERPROOFING MATERIAL TO PROTECT AGAINST WATER PENETRATION AND CORROSION. SIDES AND TOP OF EXTERNAL WEATHERPROOFING SHALL BE ALUMAGUARD 60 MIL UV BARRIER BY POLYGUARD OR EQUAL. BOTTOM OF EXTERNAL WEATHERPROOFING SHALL BE VAPORGUARD 5 MIL MEMBRANE BY POLYGUARD OR EQUAL.
 - ALL FLEXIBLE DUCTWORK, METALLIC AND NONMETALLIC, SHALL CONFORM TO THE FOLLOWING:
 - 2" THICK INSULATION (R-6.0) SEE NOTE#9 AND TABLE(S) BELOW:

DUCT LOCATION: UNCONDITIONED SPACE			CLIMATE ZONES 1 THROUGH 8
DUCTWORK CLASSIFICATION	PRESSURE	SEAL CLASS	INSULATION
SUPPLY	2.00" W.C.	A	TYPE A (R-6)
RETURN	-2.00" W.C.	A	TYPE A (R-6)
EXHAUST	-2.00" W.C.	A	(*)TYPE A (R-6)
HANGER SUPPORTS	EVERY 6 FT.		1" TYPE B

DUCT LOCATION: EXTERIOR (INCLUDES ATTICS ABOVE INSULATED CEILINGS AND CRAWL SPACES.)			CLIMATE ZONES 1 THROUGH 4	CLIMATE ZONES 5 THROUGH 8
DUCTWORK CLASSIFICATION	PRESSURE	SEAL CLASS	INSULATION	INSULATION
SUPPLY	2.00" W.C.	A	TYPE A (R-8)	TYPE A (R-12)
RETURN	-2.00" W.C.	A	TYPE A (R-8)	TYPE A (R-12)
EXHAUST	-2.00" W.C.	A	(*)TYPE A (R-8)	(*)TYPE A (R-12)
HANGER SUPPORTS	EVERY 6 FT.			1" TYPE B

(*) EXHAUST DUCTWORK IS ONLY REQUIRED TO BE INSULATED WITHIN 2-FEET OF ROOF PENETRATION. REFER TO "COMMERCIAL KITCHEN EXHAUST SYSTEMS", NOTE#4 FOR FIRE WRAPPING REQUIREMENTS ON KITCHEN GREASE DUCTWORK.

 - INTEGRAL VAPOR BARRIER
 - LISTED AND LABELED UL 181, CLASS 0 OR CLASS 1
 - INSTALLED IN ACCORDANCE WITH:
 - SMACNA STANDARDS,
 - AIR DIFFUSION COUNCIL INSTALLATION GUIDELINES, AND/OR
 - MANUFACTURER'S INSTALLATION INSTRUCTIONS
 - FLEXIBLE DUCTWORK SHALL NOT PENETRATE WALLS. SHEET METAL DUCTWORK IS REQUIRED AT ALL FIRE-RATED AND DRAFTSTOP WALL PENETRATIONS.

15. ALL COVERINGS, LININGS AND ADHESIVES (TAPES, ETC.) SHALL HAVE A FLAME-SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE-DEVELOPED INDEX NOT GREATER THAN 50.

16. DUCT-MOUNTED SMOKE DETECTORS, PROVIDED BY ROOFTOP UNIT MANUFACTURER, SHALL BE INSTALLED IN SYSTEMS WITH DESIGN CAPACITY GREATER THAN 2,000 CFM. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF SMOKE DETECTORS. DUCT-MOUNTED SMOKE DETECTORS ARE NOT REQUIRED WHEN THE BUILDING IS PROTECTED THROUGHOUT BY AREA SMOKE DETECTORS CONNECTED TO A FIRE ALARM SYSTEM WHERE THE FIRE ALARM SYSTEM IS DESIGNED TO SHUT DOWN THE ROOFTOP UNITS.

17. ALL SUPPLY AIR DIFFUSERS SHALL BE INSULATED TO PREVENT CONDENSATION.

18. ALL AIR DEVICES LOCATED IN DRYWALL CEILINGS SHALL BE SUPPLIED WITH AN INTEGRAL VOLUME DAMPER ACCESSIBLE FROM THE AIR DEVICE FACE TO FACILITATE BALANCING.

19. ALL OUTDOOR AIR INTAKES SHALL BE LOCATED A MINIMUM OF 10 FT. HORIZONTALLY FROM ANY SOURCE OF CONTAMINATION SUCH AS EXHAUST FANS, PLUMBING VENTS, WATER HEATER FLUES, ETC. WHERE A CONTAMINANT SOURCE IS LOCATED WITHIN 10 FT. OF AN INTAKE, THE INTAKE OPENING SHALL BE LOCATED A MINIMUM OF 2 FT. BELOW THE CONTAMINANT SOURCE.

20. ALL ROOFTOP CONDENSING UNITS THAT DISCHARGE HORIZONTALLY SHALL BE ORIENTED SUCH THAT THE DISCHARGE DOES NOT BLOW IN THE DIRECTION OF AN OUTDOOR AIR INTAKE.

COMMERCIAL KITCHEN EXHAUST SYSTEMS:

 1. ALL METAL DUCTWORK USED FOR THE CONVEYANCE OF GREASE-LADEN AIR SHALL BE CONSTRUCTED OF MINIMUM 18 GAUGE STAINLESS STEEL OR 16 GAUGE CARBON STEEL (BLACK IRON).
 2. ALL GREASE EXHAUST DUCTWORK JOINTS SHALL BE EITHER TELESCOPING OR BELL TYPE. BUTT-WELDED JOINTS ARE PROHIBITED.
 3. ALL GREASE EXHAUST DUCTWORK SEAMS AND JOINTS SHALL BE CONTINUOUSLY WELDED WATER-TIGHT ON THE EXTERNAL SURFACE OF THE DUCT SYSTEM. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER.
 4. ALL GREASE EXHAUST DUCTWORK SHALL BE EXTERNALLY INSULATED WITH A ASTM E2336 LISTED AND LABELED GREASE DUCT ENCLOSURE SYSTEM. INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 5. ACCESS PANELS SHALL BE PROVIDED AT ALL CHANGES IN DIRECTION OF THE GREASE EXHAUST DUCTWORK SYSTEM. ACCESS PANELS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSULATION MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL BE LABELED AS FOLLOWS: "ACCESS PANEL – DO NOT OBSTRUCT".
 6. ALL HORIZONTAL GREASE EXHAUST DUCTWORK SHALL BE INSTALLED WITH A MINIMUM $\frac{1}{4}$ " PER FOOT SLOPE AND SHALL BE PITCHED BACK TOWARD THE HOOD.
 7. UPBLAST KITCHEN EXHAUST FANS SHALL BE LOCATED A MINIMUM OF 6 FT. FROM ANY PARAPET WALL OR ADJACENT STRUCTURE AND SHALL TERMINATE A MINIMUM OF 40 INCHES ABOVE THE FINISHED ROOFING MATERIAL.

REFRIGERANT PIPING:

 1. ALL REFRIGERATION WORK SHALL BE PERFORMED BY A CERTIFIED REFRIGERATION CONTRACTOR.
 2. ALL REFRIGERANT PIPING SHALL BE SEAMLESS COPPER TUBING OF TYPE L IN ACCORDANCE WITH ASTM B 88 AND ALL JOINTS SHALL BE SOLDERED.
 3. ALL REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH A MINIMUM 1" FOAM PIPE INSULATION. PIPE INSULATION INSTALLED OUTDOORS SHALL BE PROTECTED WITH AN APPROVED WEATHERPROOFING MATERIAL.
 4. ALL SUSPENDED REFRIGERANT PIPING SHALL BE SUPPORTED AS FOLLOWS:

MATERIAL	MAX. HORIZ. SPACING	MAX. VERT. SPACING
COPPER TUBING $\leq 1\frac{1}{4}$ "	6 FT.	10 FT.
COPPER TUBING $\geq 1\frac{1}{2}$ "	10 FT.	10 FT.

 5. ALL REFRIGERANT PIPING SHALL BE SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
 6. PRE-CHARGED LINESETS ARE NOT PERMITTED AS LINES WILL MOST LIKELY NEED TO BE CUT TO FIT THE APPLICATION AND REFRIGERANT WILL NEED TO BE RECLAIMED.
 7. ALL PIPE INSULATION SHALL BE PROTECTED FROM DAMAGE FROM PIPE HANGERS. PROTECTION SHALL BE LIGHT GAUGE GALVANIZED STEEL OR EQUAL.
 8. ALL REFRIGERANT PIPING SYSTEMS SHALL BE PRESSURE TESTED FOR LEAKS PRIOR TO START-UP. ALL LEAKS SHALL BE REMEDIED PRIOR TO BUILDING TURNOVER.
 9. ALL PIPING SHALL MEET MINIMUM INSULATION THICKNESS PER THE TABLE BELOW:

PIPING	MINIMUM INSULATION THICKNESS (IN INCHES) PER NOMINAL PIPE OR TUBE SIZE				
NOMINAL PIPE SIZE	<1	1 TO 1.5	1.5 TO <4	4 TO <8	≥ 8
LIQUID (REFRIGERATION) (<40°F)	0.5	1.0	1.0	1.0	1.5
SUCTION (REFRIGERATION) (<40°F)	0.5	1.0	1.0	1.0	1.5

7. ALL PIPE INSULATION SHALL BE PROTECTED FROM DAMAGE FROM PIPE HANGERS. PROTECTION SHALL BE LIGHT GAUGE GALVANIZED STEEL OR EQUAL.

8. ALL REFRIGERANT PIPING SYSTEMS SHALL BE PRESSURE TESTED FOR LEAKS PRIOR TO START-UP. ALL LEAKS SHALL BE REMEDIED PRIOR TO BUILDING TURNOVER.

9. ALL PIPING SHALL MEET MINIMUM INSULATION THICKNESS PER THE TABLE BELOW:

PIPING	MINIMUM INSULATION THICKNESS (IN INCHES) PER NOMINAL PIPE OR TUBE SIZE				
NOMINAL PIPE SIZE	<1	1 TO 1.5	1.5 TO <4	4 TO <8	>8
LIQUID (REFRIGERATION) (<40°F)	0.5	1.0	1.0	1.0	1.5
SUCTION (REFRIGERATION) (<40°F)	0.5	1.0	1.0	1.0	1.5

CO₂ DETECTION EQUIPMENT:

1. THE CO₂ DETECTOR SHALL BE HARD-WIRED TO PREVENT TAMPERING AND SHALL BE INSTALLED AT 12" A.F.F. WITHIN A 5 FT. RADIUS OF THE CO₂ STORAGE TANKS.
 2. ONE (1) AUDIBLE AND ONE (1) VISUAL ALARM SHALL BE INSTALLED A MINIMUM OF 7 FT. A.F.F., IN PLAIN SIGHT IN THE SAME ROOM AS THE CO₂ STORAGE TANKS.
 3. ONE (1) AUDIBLE AND ONE (1) VISUAL ALARM SHALL BE INSTALLED A MINIMUM OF 7 FT. A.F.F., AT THE BACK OF THE KITCHEN AND IN PLAIN SIGHT FROM THE MAIN SIDE OF THE PREP LINE.
 4. THE CO₂ EXTERIOR STROBE SHALL BE INSTALLED AS SHOWN ON SHEET A2.0, (DETAIL 2) AND ON SHEET E1.1. THE INSIDE AUDIBLE AND VISUAL ALARM SHALL BE INSTALLED INSIDE THE CO₂ CLOSET, AND IN THE SUPPORT/BACK-OF-THE HOUSE LOCATION AS SHOWN ON SHEETS E1.1 AND E3.0.

DUCT LOCATION: UNCONDITIONED SPACE		CLIMATE ZONES 1 THROUGH 8	
DUCTWORK CLASSIFICATION	PRESSURE	SEAL CLASS	INSULATION
SUPPLY	2.00" W.C.	A	TYPE A (R-6)
RETURN	-2.00" W.C.	A	TYPE A (R-6)
EXHAUST	-2.00" W.C.	A	(*)TYPE A (R-6)
HANGER SUPPORTS	EVERY 6 FT.		1" TYPE B

(*) EXHAUST DUCTWORK IS ONLY REQUIRED TO BE INSULATED WITHIN 2-FEET OF ROOF PENETRATION. REFER TO "COMMERCIAL KITCHEN EXHAUST SYSTEMS", NOTE #4 FOR FIRE WRAPPING REQUIREMENTS ON KITCHEN GREASE DUCTWORK.

- B. INTEGRAL VAPOR BARRIER
- C. LISTED AND LABELED UL 181, CLASS 0 OR CLASS 1
- D. INSTALLED IN ACCORDANCE WITH:
 - i. SMACNA STANDARDS,
 - ii. AIR DIFFUSION COUNCIL INSTALLATION GUIDELINES, AND
 - iii. MANUFACTURER'S INSTALLATION INSTRUCTIONS

14. FLEXIBLE DUCTWORK SHALL NOT PENETRATE WALLS. SHEET METAL DUCTWORK IS REQUIRED AT ALL FIRE-RATED AND DRAFTSTOP WALL PENETRATIONS.

LEGEND

ABBREVIATIONS

	TEMPERATURE SENSOR	ACM	AREA CONSTRUCTION MANAGER
	AVERAGING TEMPERATURE SENSOR	B.J.	BELOW JOISTS
	CO2 SENSOR FOR ROOFTOP UNIT DEMAND CONTROL VENTILATION	BSI	BEVERAGE SYSTEM INSTALLER
	HUMIDITY SENSOR	DCV	DEMAND CONTROL VENTILATION
	THERMOSTAT	E.A.	EXHAUST AIR
	SMOKE DETECTOR	EC	ELECTRICAL CONTRACTOR
	EQUIPMENT TAG	FAC	FIRE ALARM CONTRACTOR
	DIFFUSER INFORMATION LINE 1: TAG LINE 2: AIRFLOW LINE 3: NECK SIZE	FOB	FLAT ON BOTTOM
		FOT	FLAT ON TOP
	SUPPLY AIR DUCT (VERTICAL)	FPC	FIRE PROTECTION CONTRACTOR
		GC	GENERAL CONTRACTOR
	RETURN OR EXHAUST AIR DUCT (VERTICAL)	I.D.	INSIDE DIMENSION
		KEI	KITCHEN EQUIPMENT INSTALLER
	ROUND DUCT (VERTICAL)	KES	KITCHEN EQUIPMENT SUPPLIER
	STEADY-STATE SPEED CONTROLLER	M.A. (S)	MIXED AIR – SUMMER
	PLAQUE DIFFUSER (SHADED AREA DESIGNATES BLANK-OFF PANEL LOCATION)	M.A. (W)	MIXED AIR – WINTER
		MC	MECHANICAL CONTRACTOR
	LINEAR SLOT DIFFUSER	O.A.	OUTDOOR AIR
		O.D.	OUTSIDE DIMENSION
	LOUVERED FACE DIFFUSER	O/O	OWNER/OPERATOR
		PC	PLUMBING CONTRACTOR
	CEILING-MOUNTED EXHAUST FAN	R.A.	RETURN AIR
		RC	REFRIGERATION CONTRACTOR
	SPIN-IN COLLAR WITH VOLUME DAMPER	S.A.	SUPPLY AIR
	VOLUME DAMPER	S.P.	STATIC PRESSURE
	FLEXIBLE DUCTWORK	MC	TEST AND BALANCE CONTRACTOR
	SHEET METAL DUCTWORK W/DIA. SIZE		
	PERFORATED FACE DIFFUSER		
	SHEET METAL TEE WITH CAP		

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2025 STANDARD BUILDING - BB20		STD ISSUE DATE 2025	REVIEWED BY JAW
4584-WOOD/WOOD		DATE ISSUED 02/07/2025	
DESCRIPTION WOOD BEARING WALLS WOOD ROOF TRUSS FRAMING			
SITE ID 042-3536	SITE ADDRESS 7890 HWY 78 SACHSE TX		
JAWA 24-0221			
GENERAL NOTES M 4.0			

COORDINATION SCHEDULE

GENERAL REQUIREMENTS	FURNISH	INSTALL	FINAL CONNECTION	NOTES
MECHANICAL PERMIT	MC			1-3
HOT WORK (WELDING) PERMIT (IF APPLICABLE)	MC			1-3
REFRIGERATION PERMIT (IF APPLICABLE)	KES			1-3
PLUMBING PERMIT	PC			1-3
ELECTRICAL PERMIT	EC			1-3
FIRE SPRINKLER PERMIT (IF APPLICABLE)	FPC			1-3
FIRE ALARM PERMIT (IF APPLICABLE)	FAC			1-3
CONTRACTOR COORDINATION REQUIREMENTS				
HEATING & AIR-CONDITIONING				
ROOFTOP UNITS, INTAKE AND RELIEF	MCD CP	MC		1-5, 17, 22
ROOF CURBS	MCD CP	MC		1-3, 20, 22
GAS PIPING AND GAS PIPE KIT	PC	PC	PC	1-3, 14, 22-23
CONTROLS WIRING	MC	EC	EC	1-3, 19, 22, 24
POWER WIRING	EC	EC	EC	1-3, 19, 22, 24
CONDENSATE TRAP	MC	PC		1-3, 22-23
CONDENSATE PIPING (IF APPLICABLE)	PC	PC		1-3, 22-23
DUCT-MOUNTED SMOKE DETECTOR	MC	MC	EC	1-3, 22, 24
GENERAL EXHAUST SYSTEMS				
EXHAUST FANS	MCD CP	MC		1-3, 17, 22
ROOF CURBS	MCD CP	MC		1-3, 22
CONTROLS (WHERE APPLICABLE)	MC	EC	EC	1-3, 22, 24
POWER WIRING	EC	EC	EC	1-3, 22, 24
TEMPERATURE CONTROLS				
BUILDING AUTOMATION SYSTEM	MCD CP	MC	EC	1-3, 22, 24
REMOTE SENSORS (RH AND/OR TEMPERATURE)	MC	MC	EC	1-3, 22, 24
CONTROLS WIRING (WHERE APPLICABLE)	MC	EC	EC	1-3, 22, 24
POWER WIRING	EC	EC	EC	1-3, 22, 24
DUCTWORK AND ACCESSORIES				
GALVANIZED SHEET METAL DUCTWORK	MC	MC		1-3, 22
EXTERNAL INSULATION	MC	MC		1-3, 22
INTERNAL INSULATION (IF APPLICABLE)	MC	MC		1-3, 22
WEATHERPROOFING (IF APPLICABLE)	MC	MC		1-3, 22
SPIN-IN COLLARS	MC	MC		1-3, 22
FLEXIBLE DUCTWORK	MC	MC		1-3, 22
VOLUME/BALANCING DAMPERS	MC	MC		1-3, 22
FIRE DAMPERS (IF APPLICABLE)	MC	MC		1-3, 22
FIRESTOPPING (IF APPLICABLE)	MC	MC		1-3, 22
AIR DEVICES AND ACCESSORIES				
PLUMBING SYSTEMS				
WATER HEATERS	MCD CP	PC	PC	1-3, 11-12, 23
HOT AND COLD WATER PIPE	PC	PC	PC	1-3, 23
VENTS AND INTAKES	PC	PC	PC	1-3, 23
THERMOSTATIC MIXING VALVE	PC	PC	PC	1-3, 23
POWER AND CONTROL WIRING	EC	EC	EC	1-3, 23-24
KITCHEN EXHAUST SYSTEMS				
MCDONALD'S BACKSHLF EXHAUST HOODS	KES	KEI		1-3, 6, 22, 27
CANOPY EXHAUST HOODS (IF APPLICABLE)	KES	KEI		1-3, 6, 22, 27
BLACK IRON DUCTWORK	KES	KEI		1-3, 6, 22
STAINLESS STEEL DUCTWORK (IF APPLICABLE)	KES	KEI		1-3, 6, 22
ALUMINUM DUCTWORK (IF APPLICABLE)	KES	KEI		1-3, 6, 22
UL LISTED DUCT WRAP	MC	MC		1-3, 6, 22
FIRE-RATED DUCT ENCLOSURE (IF APPLICABLE)	GO	GC		1-3, 6, 20, 22
EXHAUST FANS	MCD CP	MC		1-3, 6, 17, 22
ROOF CURBS	MCD CP	MC		1-3, 6, 20, 22
CURB EXTENSIONS	MC	MC		1-3, 6, 22
CONTROLS (WHERE APPLICABLE)	EC	EC	EC	1-3, 6, 22, 24
POWER WIRING	EC	EC	EC	1-3, 6, 22, 24
FIRE SUPPRESSION SYSTEM	KES	KES	KES	1-3, 16, 22, 27
KITCHEN EQUIPMENT				
COOLER/FREEZER	KES	GC		1-3, 27
EVAPORATOR COILS	KES	MC		1-3, 27
CONDENSATE PIPING	PC	PC	PC	1-3, 23, 27
REMOTE CONDENSING UNIT (MAC)	KES	MC		1-3, 22, 27
ROOF CURBS	MC	MC		1-3, 22
REFRIGERANT PIPING	KES	MC	MC	1-3, 22, 27
POWER WIRING	EC	EC	EC	1-3, 22, 27
CONTROL WIRING	EC	EC	EC	1-3, 24, 27
PIPE PORTALS	MC	MC		1-3, 22
ICE MACHINES	KES	KEI		1-3, 27
WATER SUPPLY PIPING	KES	KEI	BSI	1-3, 27
REMOTE CONDENSING UNITS	KES	MC		1-3, 22, 27
ROOF CURBS	MC	MC		1-3, 22, 27
REFRIGERANT PIPING	KES	MC	MC	1-3, 22, 27
POWER WIRING	EC	EC	EC	1-3, 22, 27
CONTROL WIRING	KES	EC	EC	1-3, 24, 27
PIPE PORTALS	MC	MC		1-3, 22
GRILLS	KES	KES		1-3, 27
GAS PIPING (IF APPLICABLE)	PC	PC	PC	1-3, 23, 27
POWER WIRING	EC	EC	EC	1-3, 24, 27
CONTROL CABLE (6' CLAMSHELL ONLY)	MC	EC	EC	1-3, 23, 24, 27
FRYERS	KES	KES		1-3, 27
GAS PIPING (IF APPLICABLE)	PC	PC	PC	1-3, 23, 27
POWER WIRING	EC	EC	EC	1-3, 24, 27
3-COMPARTMENT SINK	KES	KES		1-3, 12, 27
FAUCETS AND PRE-RINSE SPRAYER	KES	KES		1-3, 27
WATER SUPPLY PIPING	PC	PC	PC	1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC	PC	1-3, 23, 27
HAND SINKS	MCD CP	PC		1-3, 23, 27
FAUCET	MCD CP	PC		1-3, 23, 27
WATER SUPPLY PIPING	PC	PC	PC	1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC	PC	1-3, 23, 27
VEGETABLE SINK	KES	KES		1-3, 23, 27
FAUCET	KES	KES		1-3, 23, 27
WATER SUPPLY PIPING	PC	PC	PC	1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC	PC	1-3, 23, 27
WASHING MACHINE	KES	KES		1-3, 23, 27
WATER SUPPLY PIPING	PC	PC		1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC		1-3, 23, 27
WARE WASHER	KES	KES		1-3, 23, 27
WATER SUPPLY PIPING	PC	PC	PC	1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC	PC	1-3, 23, 27
MISCELLANEOUS ITEMS				
FIRE SPRINKLER SYSTEMS	FPC	FPC	FPC	1-3, 15, 25
HVAC EQUIPMENT START-UP	MC			1-3, 22
TEST, ADJUST AND BALANCE HVAC SYSTEMS	TAB			1-3, 22
DOOR GRILLES (IF APPLICABLE)	MC	GC		1-3, 20, 22
ROOF/WALL OPENINGS	GC			1-3, 20-24
APPLIANCE BACKFLOW PREVENTION	KES/BSI	PC	PC	1-3, 23, 27
CO2 DETECTION SYSTEM	KES/BSI	EC/BSI	EC/BSI	1-3, 22, 27

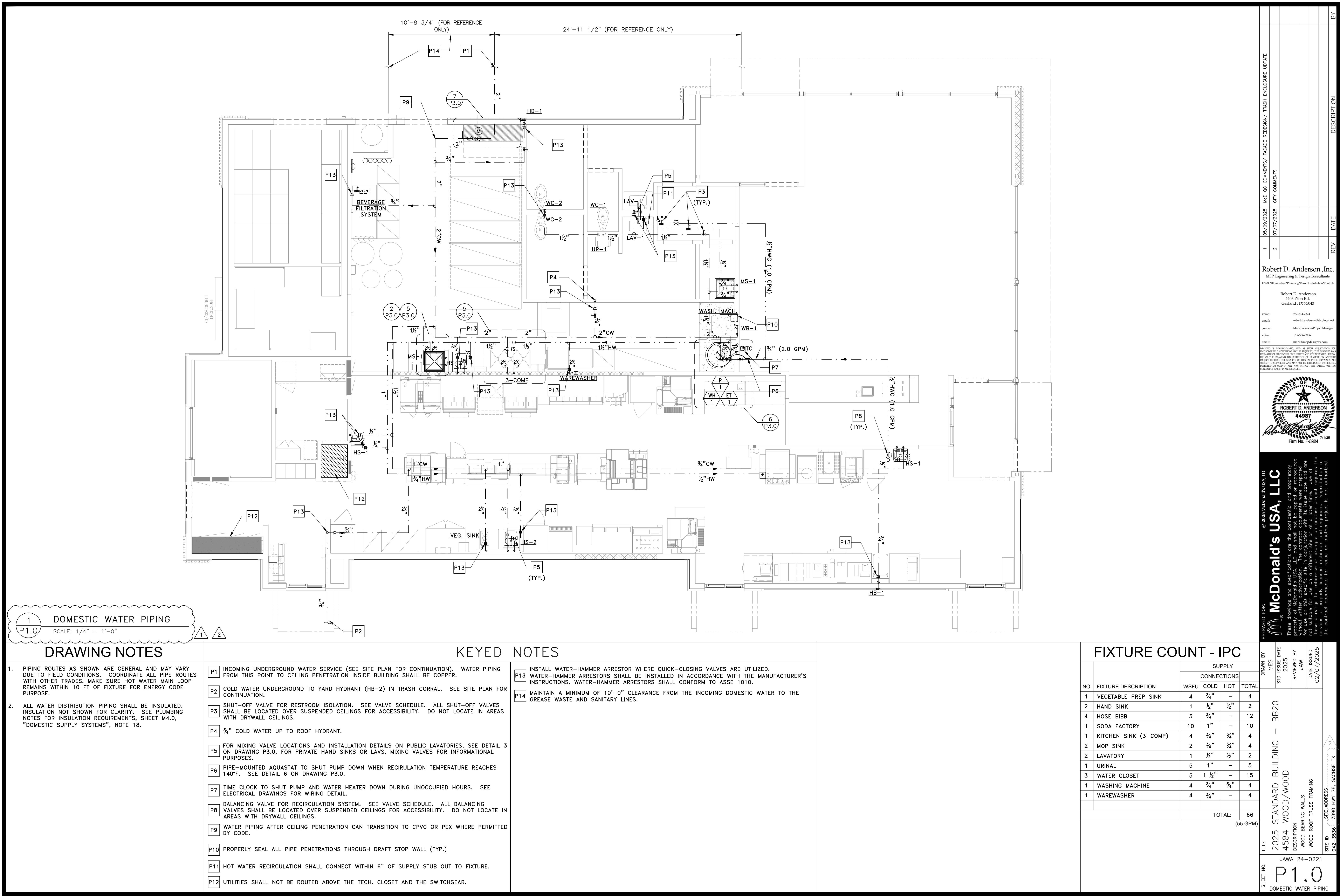
AIR DEVICE SCHEDULE

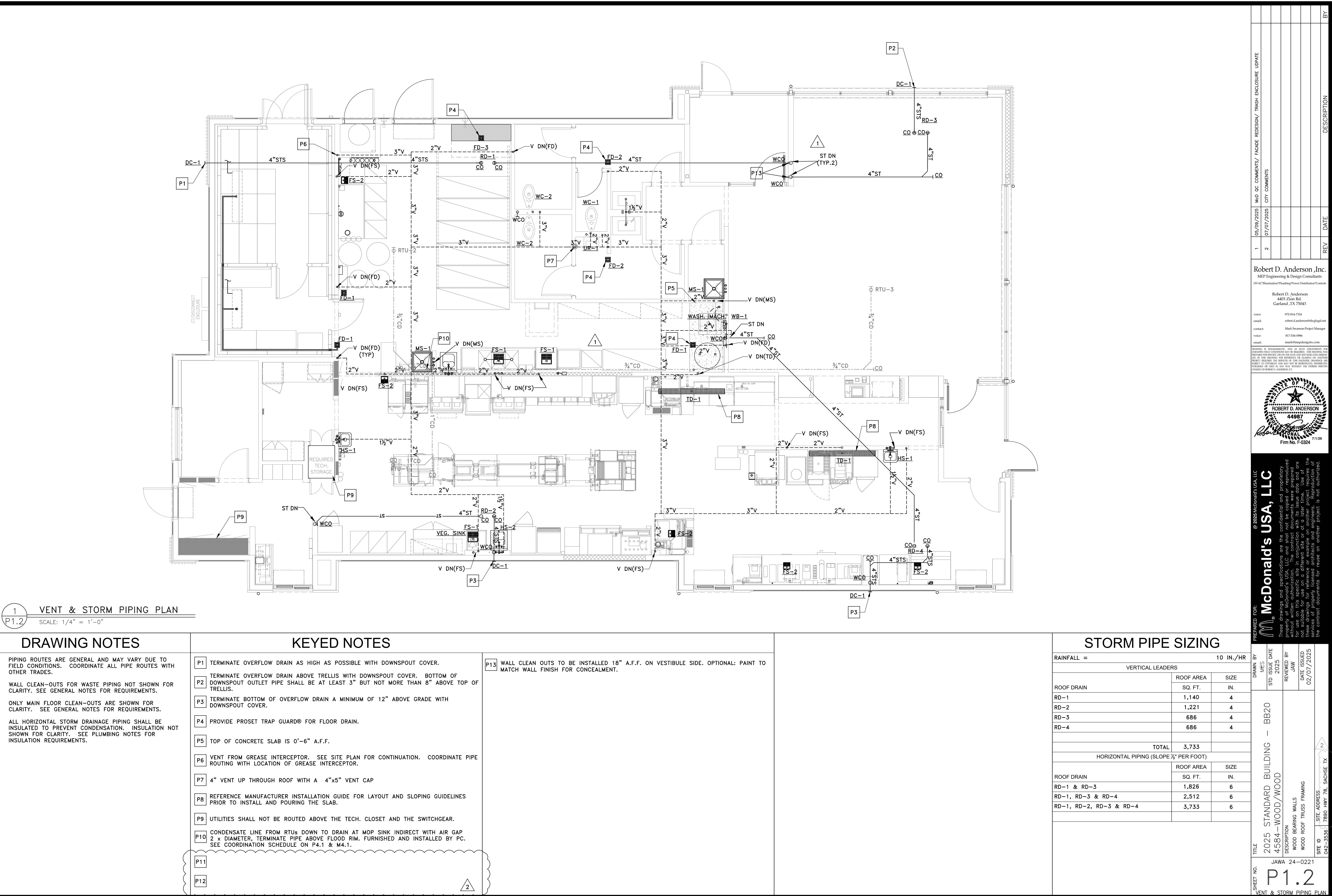
TAG	MANUFACTURER	MODEL	BORDER	SIZE	COLOR	ACCESSORIES	NOTES
S-1	TITUS	PDDR	LAY-IN	48x24	WHITE	7	1,2,8
S-2	TITUS	OMNI	LAY-IN	24x24	VARIABLE	4,6,7	1,6,7,8
S-3	TITUS	OMNI	LAY-IN	12x12	VARIABLE	1,2,7	1,3,6,8
S-4	TITUS	TBDI-80	LAY-IN	48" (2) 7/4" SLOTS	VARIABLE	7	1,5,6,8
R-1	TITUS	PAR	LAY-IN	24x24	VARIABLE	7	1,6,8
R-2	TITUS	355RL	SURFACE MOUNT	4x12	WHITE	-	8
E-1	TITUS	355RL	LAY-IN	12x12	WHITE	1,7	1,8

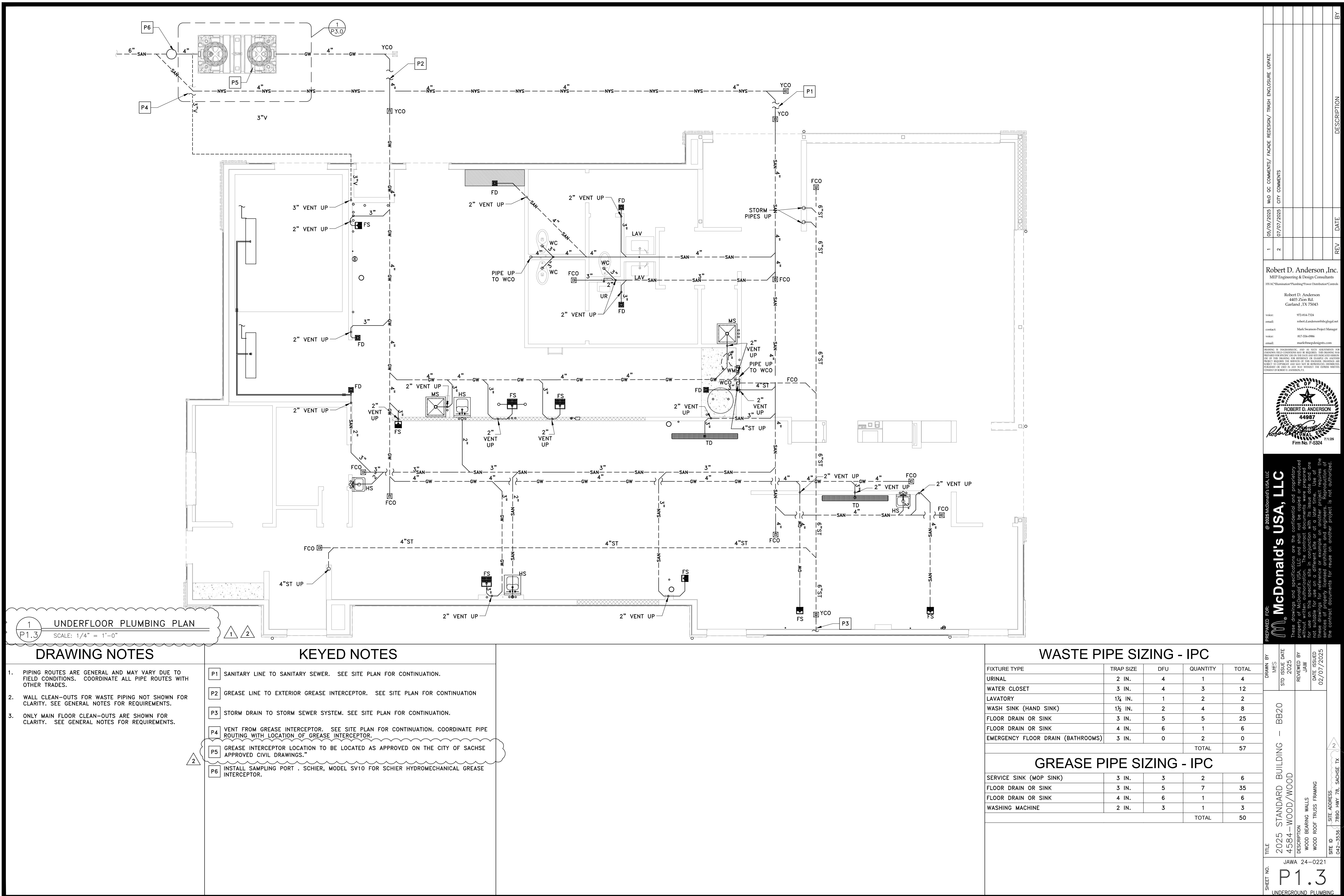
ACCESORIES:							
1. COMBINATION DAMPER AND EQUALIZING GRID							
2. PLASTER FRAME FOR DRYWALL CEILING INSTALLATION							
3. (NOT USED)							
4. BACKPAN INSULATION							
5. GENERAL CONTRACTOR SHALL PROVIDE ADDITIONAL 4 FT. T-BAR FOR DIFFUSER FRAMING							
6. AIR DEVICE FINISH WILL VARY: * KITCHEN, STORAGE, RESTROOMS - WHITE * DINING ROOM, VESTIBULES - WHITE, BLACK OR PAINTABLE/PRIME COAT (COORDINATE FINAL COLOR WITH DECOR PLANS).							
7. ADDITIONAL ACCESSORIES AND/OR ALTERNATE DIFFUSERS MAY BE REQUIRED. REFER TO DECOR DRAWINGS TO VERIFY.							
8. ACCEPTABLE ALTERNATIVE MANUFACTURERS: NAILOR & METALAIRE.							

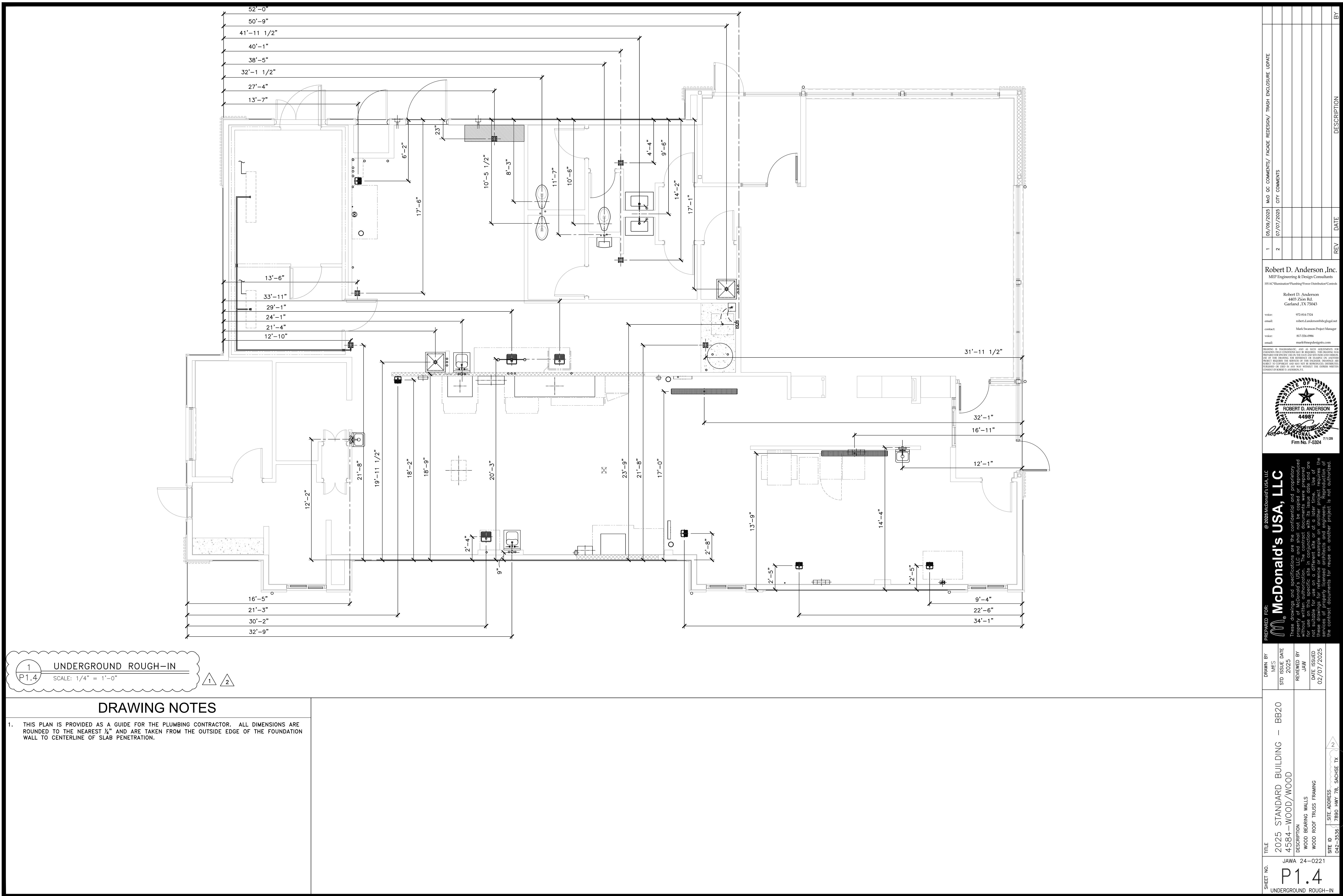
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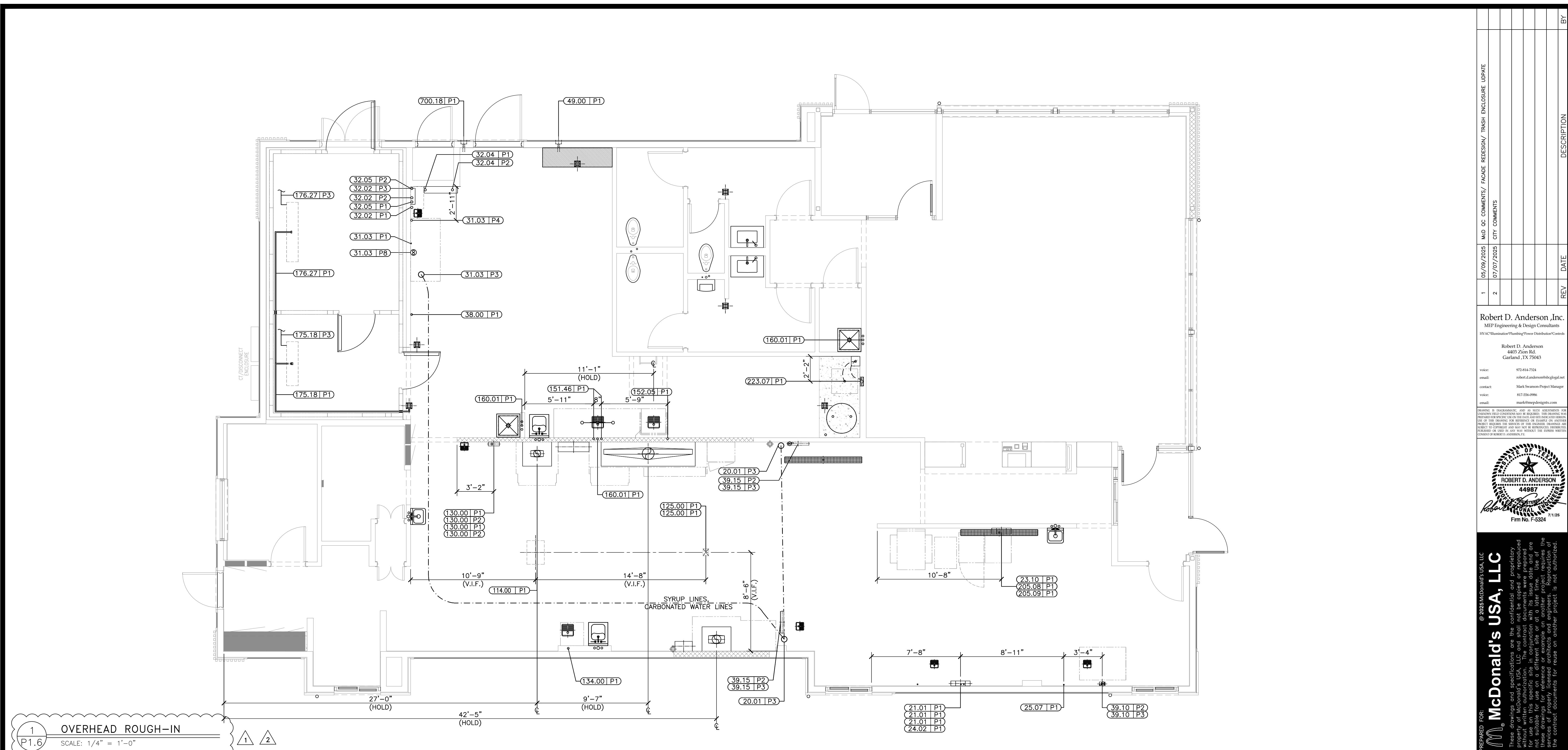
TAG	MANUFACTURER	MODEL	SERVES	AIRFLOW	ELEC	ACCESS.	NOTES
AC 1	POWERED AIRE	MP 1-30	CASH BOOTH	VARIABLE	MCA: 5.5 MOCP: 20 1/4 HP	2-4	1,2











PLUMBING SCHEDULE

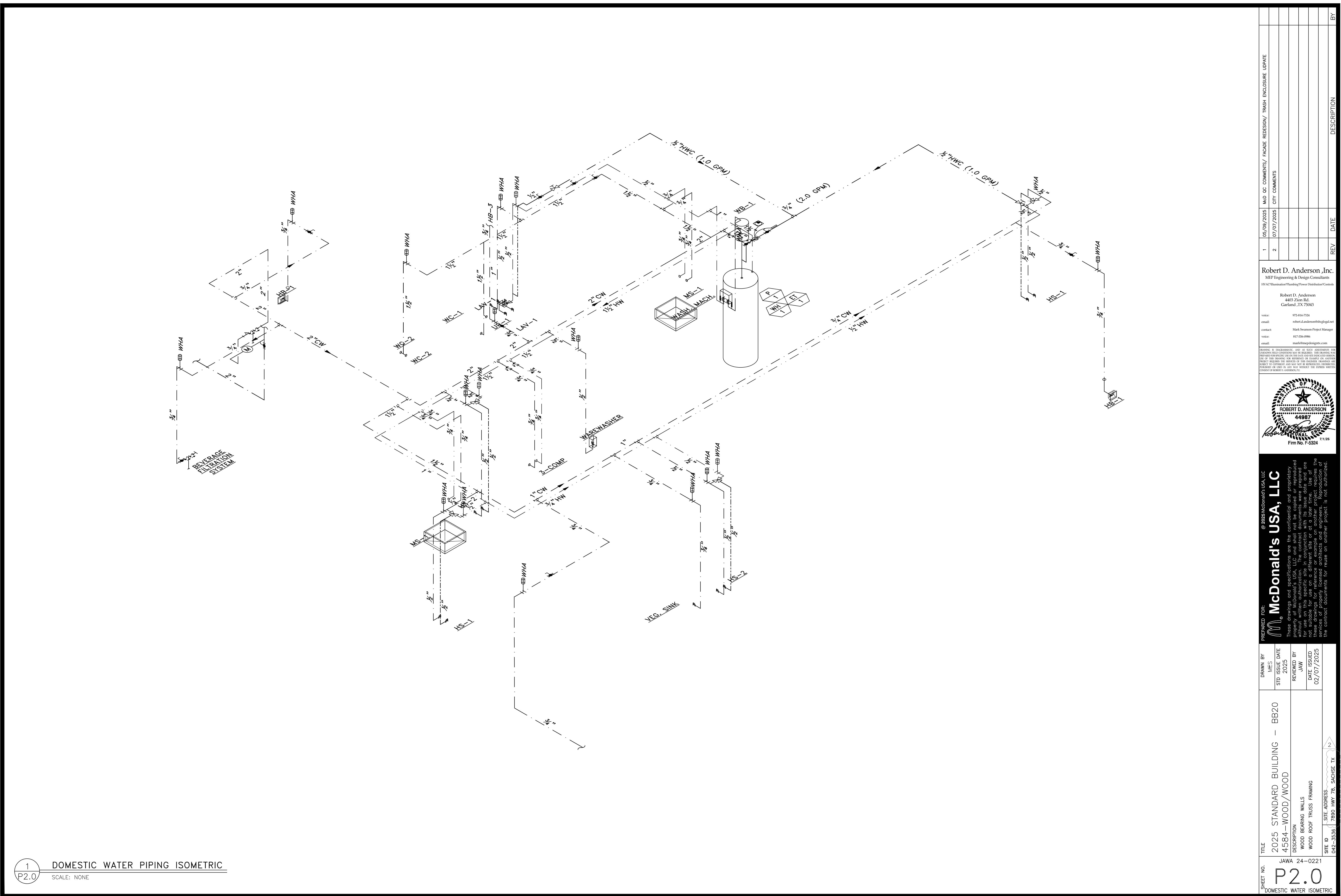
VIF = Verify in Field
PC = Plumbing Contractor

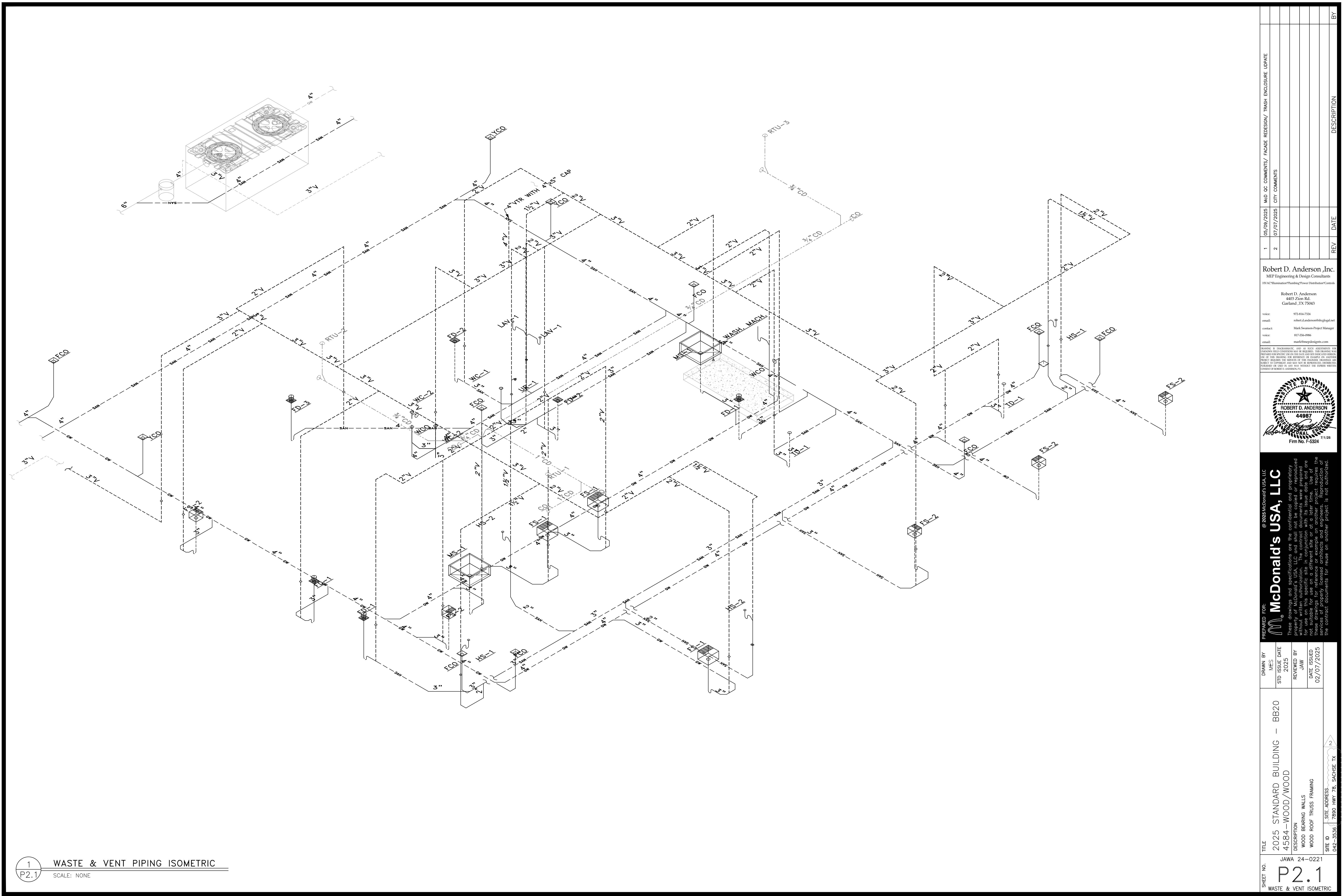
PC = Plumbing Contractor
BSI = Beverage System Installer

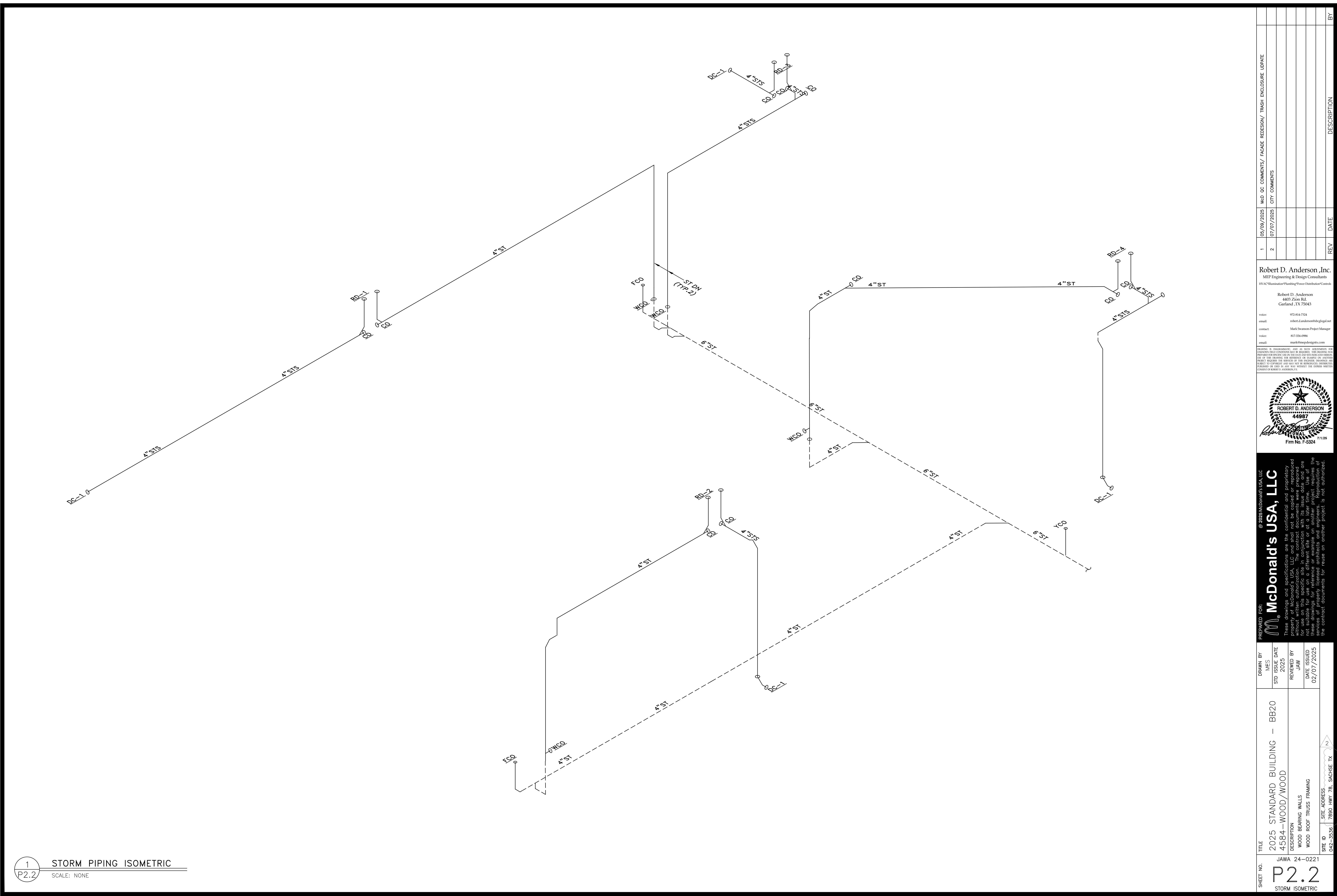
PLUMBING SCHEDULE											
TAG #	QTY	DESCRIPTION	GAS TYPE	GAS BTU	GAS SIZE	HW	CW	MISC PLBG	HGT AFF	DRAIN	REQUIREMENTS & REMARKS
020.01P3	2	AUTOMATED BEVERAGE SYSTEM 2.0	-	-	-	-	-	SODA BUNDLE	SEE RMKS	-	DN CHASE FROM SODA SYSTEM - "T" FROM D/T - BSI TO MAKE FINAL CONNECTIONS PER LOCAL CODES
021.01P1	3	COFFEE BREWER (GLASS DECANTERS)	-	-	-	-	1/4" TRTD	-	SEE RMKS	-	DN CHASE FROM SODA SYSTEM - IF NO CHASE RUN IN 2"COND TO JB CONN CW LINE PER LOCAL CODES. 1/4" R.O. WATER OPTIONAL
023.10P1	1	ESPRESSO BREWER	-	-	-	-	3/8" R.O.	-	SEE RMKS	3/8" IND	DN CHASE FROM R.O. SYSTEM - IF NO CHASE RUN IN 2"COND TO JB CONN CW LINE PER LOCAL CODES
024.02P1	1	JUICE DISPENSER	-	-	-	-	1/2" FLTR	-	SEE RMKS	-	-
025.07P1	1	INFUSION TEA BREWER - MIS	-	-	-	-	1/2" TRTD	3/8" CO2	SEE RMKS	-	DN CHASE FROM SODA SYSTEM - IF NO CHASE RUN IN 2"COND TO JB CONN CW LINE PER LOCAL CODES
031.03P1	1	SODA SYSTEM PACKAGE B.I.B.(RECIRCULATING- 3 TOWERS)	-	-	-	-	-	3/8" OUTLET	SEE RMKS	-	FLEX LINE OVERHEAD TO VARIOUS EQUIP. BSI TO MAKE FINAL CONN PER CODES
031.03P3	1	SODA SYSTEM PACKAGE B.I.B.(RECIRCULATING- 3 TOWERS)	-	-	-	-	-	SODA BUNDLE	SEE RMKS	-	OVERHEAD TO SODA TOWER CHASE(S) - BSI TO MAKE FINAL CONNECTION LOCAL CODES
031.03P4	1	SODA SYSTEM PACKAGE B.I.B.(RECIRCULATING- 3 TOWERS)	-	-	-	-	3/4"	-	1'-6"	3/4" IND	BSI TO MAKE CONNECTION FROM BACKFLOW PREVENTER (VERIFY HEIGHT)
031.03P8	1	SODA SYSTEM PACKAGE B.I.B.(RECIRCULATING- 3 TOWERS)	-	-	-	-	-	REFRIG LINES	SEE RMKS	-	FROM REMOTE CONDENSING UNIT
032.02P1	1	REVERSE OSMOSIS WATER FILTRATION SYSTEM - TANKLESS	-	-	-	-	3/8" FLTR	-	SEE RMKS	-	FLEX LINE OVERHEAD FROM SODA SYSTEM -BSI TO MAKE FINAL CONN PER CODES
032.02P2	1	REVERSE OSMOSIS WATER FILTRATION SYSTEM - TANKLESS	-	-	-	-	-	3/8" OUTLET	SEE RMKS	-	FLEX LINE OVERHEAD TO RAPID STEAMER, ESPRESSO, AND COFFEE (OPT.) MAKE FINAL CONN PER LOCAL CODES
032.02P3	1	REVERSE OSMOSIS WATER FILTRATION SYSTEM - TANKLESS	-	-	-	-	-	-	1/4" WASTE	-	-
032.04P1	1	WATER FILTRATION SYSTEM	-	-	-	-	-	3/4" INLET	6'-0"	-	-
032.04P2	1	WATER FILTRATION SYSTEM	-	-	-	-	-	3/4" OUTLET	-	-	3/4" GHT RINSE CONN. FLEX LINE OVHD. TO RAPID STEAMER, ESPRESSO COFFEE (OPT.) -BSI TO MAKE FINAL CONN PER LOCAL CODE
032.05P1	1	WATER FILTRATION SYSTEM	-	-	-	-	-	3/4" INLET	SEE RMKS	-	FLEX LINE OVERHEAD FROM R.O. SYSTEM -BSI TO MAKE FINAL CONN PER CODES
032.05P2	1	WATER FILTRATION SYSTEM	-	-	-	-	-	3/4" OUTLET	SEE RMKS	-	FLEX LINE OVERHEAD TO COMBI OVENS AND STAGING CABINET -BSI TO MAKE FINAL CONN PER LOCAL CODES
038.00P1	1	CLEAN IN PLACE PANEL	-	-	-	-	1/2" FLTR	-	6'-0"	-	FOR CLEANING BULK COKE TANKS. INSTALL HEIGHT TO BOTTOM OF UNIT
039.10P2	1	ICE MACHINE - 1400 LB.	-	-	-	-	1/2" TRTD	-	SEE RMKS	3/4" IND	WATER LINE OVERHEAD FROM SODA SYSTEM - BSI TO MAKE FINAL CONN PER LOCAL CODES

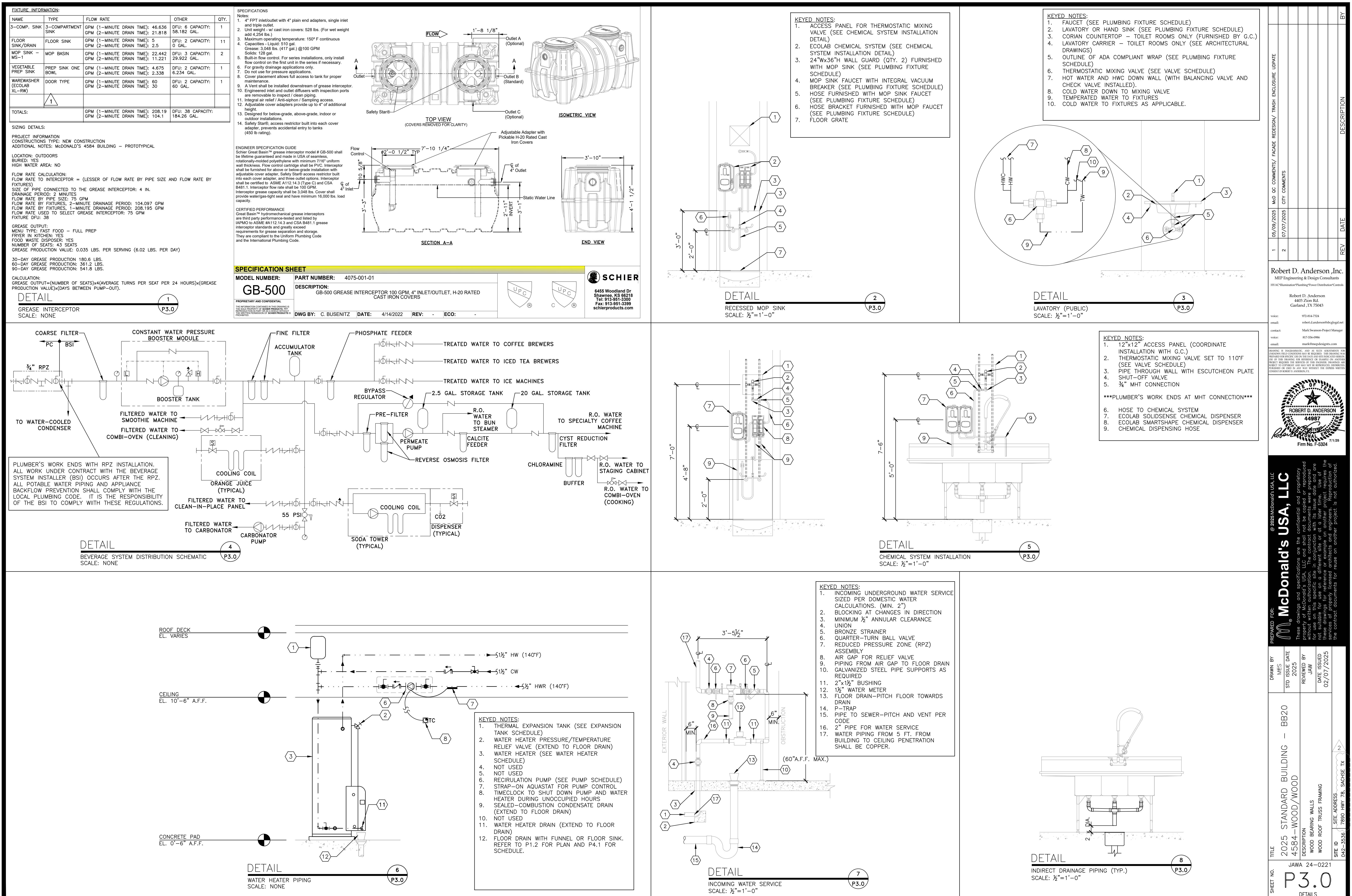
PLUMBING SCHEDULE

PLUMBING SCHEDULE												DRAWN BY MES	STD ISSUE DATE 2025	REVIEWED BY JAW	DATE ISSUED 02/07/2025
TAG #	QTY	DESCRIPTION	GAS TYPE	GAS BTU	GAS SIZE	HW	CW	MISC PLBG	HGT AFF	DRAIN	REQUIREMENTS & REMARKS				
-BSI TO	039.10P3	1 ICE MACHINE - 1400 LB.	-	-	-	-	-	REFRIG LINES	-	-	REFRIGERATION LINES OVERHEAD FROM REMOTE CONDENSING UNIT	BB20	2025 STANDARD BUILDING - BB20	4584-WOOD/WOOD	2
	039.15P2	2 ICE MACHINE - 1000 LB.	-	-	-	-	1/2" TRTD	-	SEE RMKS	3/4" IND	WATER LINE OVERHEAD FROM SODA SYSTEM - BSI TO MAKE FINAL CONNECTIONS PER LOCAL CODES				
	039.15P3	2 ICE MACHINE - 1000 LB.	-	-	-	-	-	REFRIG LINES	-	-	REFRIGERATION LINES OVERHEAD FROM REMOTE CONDENSING UNIT				
-BSI TO	049.00P1	1 CO2 FILL BOX	-	-	-	-	-	-	3'-4"	-	HEIGHT IS TO BOTTOM OF FILL BOX; SUPPLIED BY MANUFACTURER; INSTALLED BY G.C. SEE BUILDING ELEVATIONS.				
	114.00P1	1 HUMIDIFIED HOLDING CABINET	-	-	-	-	3/8" R.O.	-	SEE RMKS	-	BSI EXTENDS CW LINE OVERHEAD FROM R.O. SYSTEM & TERM. W/QUICK DISCONN. AND SHUTOFF				
-BSI TO	125.00P1	2 RAPID BUN STEAMER	-	-	-	-	3/8" R.O.	-	SEE RMKS	-	BSI EXTENDS CW LINE FROM R.O. SYSTEM & TERM. W/QUICK DISCONN.				
LOCAL	130.00P1	2 COMBI OVEN	-	-	-	-	1/2" FLTR	-	SEE RMKS	1 1/2" IND	BSI EXTENDS CW LINE OVERHEAD FROM SODA SYSTEM & TERM. W/QUICK DISCONN. AND SHUTOFF				
NS PER	130.00P2	2 COMBI OVEN	-	-	-	-	3/8" R.O.	-	SEE RMKS	-	BSI EXTENDS CW LINE OVERHEAD FROM R.O. SYSTEM & TERM. W/QUICK DISCONN. AND SHUTOFF				
IN FIELD)	134.00P1	1 VEGETABLE SINK	-	-	-	-	3/4"	-	1'-10"	1-1/2" IND	-				
	151.46P1	1 SOILED DIShtable - RIGHT HAND - 90.5" WIDE	-	-	-	3/4" 140	3/4"	-	1'-6"	-	PC MAKES FINAL CONNECTIONS PER LOCAL CODE				
ER LOCAL	152.05P1	1 WAREWASHER - LOW TEMP	-	-	-	3/4"	-	-	SEE RMKS	1-1/2" IND	PC TO PROVIDE HW, CW, INDIRECT DRAIN PIPING AND MAKE ALL FINAL CONNECTIONS. CW @ 1'-0" AFF, DRAIN @ 36"				
() -BSI TO	160.01P1	3 CHEMICAL SYSTEM	-	-	-	3/4" 110	-	-	SEE RMKS	-	PC TO PROVIDE 3/4" MHT. FINAL CONNECTIONS BY EQUIPMENT INSTALLER PER LOCAL CODE, SEE SHEET P3.0 FOR INSTALLATION HEIGHT				
	175.18P1	1 COOLER EVAPORATOR	-	-	-	-	-	-	-	3/4" COND.	PC TO ROUTE CONDENSATE DRAIN LINE TO FLOOR DRAIN. PC TO LIQUID-TIGHT SEAL OPENING FOR LINE EXITING BOX				
	175.18P3	1 COOLER EVAPORATOR	-	-	-	-	-	REFRIG LINES	-	-	RUN TO REMOTE CONDENSING UNIT - INSULATE FULL RUN LENGTH - INSTALLED BY REFRIG. CONTRACTOR				
	176.27P1	1 FREEZER EVAPORATOR	-	-	-	-	-	-	-	3/4" COND.	PC TO ROUTE CONDENSATE DRAIN LINE TO FLOOR DRAIN. PC TO LIQUID-TIGHT SEAL OPENING FOR LINE EXITING BOX. HEAT TAPE BY REF.				
	176.27P3	1 FREEZER EVAPORATOR	-	-	-	-	-	REFRIG LINES	-	-	RUN TO REMOTE CONDENSING UNIT - INSULATE FULL RUN LENGTH - INSTALLED BY REFRIG. CONTRACTOR				
R LOCAL	205.08P1	1 BIC MACHINE	-	-	-	-	1/2" FLTR	-	SEE RMKS	1" IND	DN CHASE. IF NO CHASE RUN IN 2"COND TO JB - BSI TO CONNECT LINES PER LOCAL CODES				
MAKE	205.09P1	1 FROZEN BEVERAGE DISPENSER	-	-	-	-	1/2" FLTR	3/8" CO2	SEE RMKS	-	DN CHASE. IF NO CHASE RUN IN 2"COND TO JB - BSI TO CONNECT LINES PER LOCAL CODES				
ECTIONS	223.07P1	1 WASHER	-	-	-	3/4" 140	3/4"	-	4'-0"	1 1/2" D	SEE PLUMBING DWGS FOR WALL BOX. INSTALL HEIGHT IS TO BOTTOM OF THE BOX				
	700.18P1	1 BULK OIL FILL BOX	-	-	-	-	-	-	3'-4"	-	HEIGHT IS TO BOTTOM OF FILL BOX; SUPPLIED BY MANUFACTURER; INSTALLED BY G.C. SEE BUILDING ELEVATIONS.				









GENERAL PLUMBING NOTES

- GENERAL:**
- ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
 - ALL PLUMBING WORK SHALL BE PERFORMED BY A LICENSED PLUMBER.
 - ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION. ALL ROUGH-IN LOCATIONS SHALL BE COORDINATED WITH THE MANUFACTURER'S SUBMITTAL INFORMATION.
 - ALL DIMENSIONAL INFORMATION IS AS FOLLOWS (UNLESS NOTED OTHERWISE):
 - UNDERGROUND PIPE IS TO FOUNDATION
 - OVERHEAD PIPE IS TO FINISHED WALL
 - ELEVATIONS ARE TO FINISHED FLOOR
 - ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH McDONALD'S SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS AND THE McDONALD'S PROJECT MANUAL. ANY CONTRACTOR IN NEED OF A COPY OF THE McDONALD'S PROJECT MANUAL SHALL CONTACT THE McDONALD'S AREA CONSTRUCTION MANAGER. ANY VARIANCE FROM THE McDONALD'S SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.
 - SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.
 - ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - WHERE POOR SOIL CONDITIONS EXIST OR WHERE SUBSTANTIAL SETTLEMENT OF EITHER THE PIPING, THE BUILDING OR ADJACENT WALKS, PLANTERS, ETC., MAY OCCUR, THE CONTRACTOR SHALL PROVIDE ADEQUATE UNDERSLAB STAINLESS STEEL PIPE HANGERS OR APPROVED OTHER SUPPORT.
 - ALL PIPE SLEEVES SHALL BE PROPERLY SEALED AND INSULATED TO PREVENT HEAT LOSS AND SEEPAGE.
 - ALL PIPE INSULATION SHALL BE PROTECTED FROM DAMAGE FROM PIPE HANGERS. PROTECTION SHALL BE LIGHT GAUGE GALVANIZED STEEL OR EQUAL.
 - ALL PENETRATIONS OF FIRE-RATED WALLS SHALL BE FIRESTOPPED WITH AN APPROVED AND LISTED FIRESTOPPING SYSTEM.
- SANITARY AND VENT SYSTEMS:**
- THE BUILDING SANITARY PIPE SHALL BE LOCATED A MINIMUM OF 10 FT. FROM THE INCOMING WATER SERVICE. WHERE A 10 FT. SEPARATION IS NOT POSSIBLE, THE BOTTOM OF THE WATER SERVICE PIPE SHALL BE A MINIMUM OF 12 IN. ABOVE THE TOP OF THE HIGHEST POINT OF THE SANITARY PIPE.
 - ALL SANITARY AND VENT PIPE SHALL BE PVC TYPE DWV, ABS OR CAST-IRON WHERE REQUIRED BY CODE.
 - ALL HORIZONTAL SANITARY PIPE SHALL BE INSTALLED WITH A MINIMUM PITCH AS FOLLOWS:

PIPE SIZE	MIN. SLOPE
2½" OR LESS	¼" PER FT.
3" TO 6"	⅛" PER FT.
8" OR LARGER	⅜" PER FT. (MIN.)

 - CLEANOUTS SHALL BE INSTALLED IN ALL HORIZONTAL DRAINAGE PIPE AND SHALL BE LOCATED NOT MORE THAN 100 FT. APART. (UNLESS OTHERWISE dictated BY LOCAL CODES).
 - CLEANOUTS SHALL BE INSTALLED AT ALL CHANGES OF DIRECTION GREATER THAN 45 DEGREES. WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A SINGLE PIPE RUN, ONLY ONE (1) CLEANOUT SHALL BE REQUIRED FOR EVERY 40 FEET OF DEVELOPED LENGTH.
 - CLEANOUTS SHALL BE INSTALLED ON PIPES PRIOR TO ANY SLAB PENETRATION.
 - WHERE PIPING IS LOCATED WITHIN WALL CAVITIES, ACCESS TO THE CLEANOUTS SHALL BE PROVIDED.
 - CLEANOUTS ON 6-IN. AND SMALLER PIPES SHALL BE PROVIDED WITH A CLEARANCE OF NOT LESS THAN 18 IN. CLEANOUTS ON 8-IN. AND LARGER PIPE SHALL BE PROVIDED WITH A CLEARANCE OF NOT LESS THAN 36 IN.
 - ALL SUSPENDED SANITARY AND VENT PIPE SHALL BE SUPPORTED AS FOLLOWS:

MATERIAL	MAX. HORIZ. SPACING	MAX. VERT. SPACING
ABS	4 FT.	10 FT.
PVC (TYPE DWV)	4 FT.	10 FT.
CAST-IRON (<10 FT. PIPE SECTIONS)	5 FT.	15 FT.
CAST-IRON (10 FT. PIPE SECTIONS)	10 FT.	15 FT.

 - ALL PLUMBING FIXTURES SHALL BE VENTED AND THE MAXIMUM DISTANCE FROM THE FIXTURE TRAP TO THE VENT SHALL BE AS FOLLOWS:

TRAP SIZE	SLOPE	DISTANCE
1½"	¼" PER FT.	2'-6"
1½"	¼" PER FT.	3'-6"
2"	¼" PER FT.	5'-0"
3"	⅜" PER FT.	6'-0"
4" & LARGER	⅜" PER FT.	10'-0"

 - ALL PLUMBING VENTS THROUGH THE ROOF SHALL TERMINATE A MINIMUM OF 12 INCHES ABOVE THE ROOF AND SHALL BE LOCATED A MINIMUM OF 8 FT. FROM ANY PARAPET WALL. WHERE A VENT TERMINATES WITHIN 8 FT. OF A PARAPET WALL, THE VENT SHALL TERMINATE A MINIMUM OF 6 INCHES ABOVE THE PARAPET.
 - ALL PLUMBING VENTS SHALL TERMINATE A MINIMUM OF 10 FT. HORIZONTALLY FROM ANY OUTDOOR AIR INTAKE. WHERE A PLUMBING VENT IS LOCATED WITHIN 10 FT. OF AN INTAKE, THE VENT SHALL TERMINATE A MINIMUM OF 2 FT. ABOVE THE INTAKE.
 - ALL SIDE WALL VENT TERMINATIONS SHALL BE PROTECTED TO PREVENT BIRDS OR RODENTS FROM ENTERING OR BLOCKING THE VENT OPENING.
 - ALL FLOOR DRAINS THAT DO NOT SERVE EQUIPMENT SHALL BE PROTECTED AGAINST DRYING OUT EITHER THROUGH THE INSTALLATION OF A TRAP PRIMER, DEEP SEAL TRAP OR GROSET TRAP GUARD. ALL TRAPS SHALL BE FILLED WITH AN INITIAL LAYER OF COOKING OIL.
 - ALL APPLIANCES SHALL DRAIN TO AN APPROVED SANITARY WASTE RECEPTOR (FLOOR SINK OR FLOOR DRAIN WITH FUNNEL). INDIRECT DRAINAGE FROM AN APPLIANCE SHALL MAINTAIN AN AIR GAP BETWEEN THE PIPE OUTLET AND THE TOP OF THE RECEPTOR. THE MINIMUM DISTANCE BETWEEN THE PIPE OUTLET AND THE TOP OF THE RECEPTOR SHALL BE TWICE THE DIAMETER OF THE APPLIANCE DRAIN PIPE.
- GREASE INTERCEPTORS:**
- SEE APPROVED CIVIL SITE PLAN FOR THE LOCATION OF THE GREASE INTERCEPTOR AND DRAWING SHEET P.3.0 FOR SIZING AND SPECIFICATIONS.
 - THE GREASE INTERCEPTOR SHALL BE INSTALLED IN A LOCATION THAT IS ACCESSIBLE FOR PUMPING.
 - THE GREASE INTERCEPTOR SHALL BE CONSTRUCTED OF FIBERGLASS OR ROTATIONALLY-MOLDED POLYETHYLENE. GREASE INTERCEPTOR CONSTRUCTION SHALL CONFORM TO ALL LOCAL CODES. CONCRETE GREASE INTERCEPTORS ARE NOT PERMITTED UNLESS REQUIRED BY THE LOCAL AHJ.
 - GREASE INTERCEPTORS SHALL BE GRAVITY OR HYDROMECHANICAL TYPE.

- LISTED.
- THE GREASE INTERCEPTOR SHALL BE VENTED.
 - ACCESS TO THE GREASE INTERCEPTOR SHALL BE PROVIDED WITH TWO (2) 24-IN. MANHOLES. COVER SHALL PROVIDE WATER/GAS-TIGHT SEAL AND HAVE A MINIMUM 16,000 LBS. LOAD CAPACITY. ALL SURFACE WATER MUST DRAIN AWAY FROM MANHOLES.
 - PIPING INLET AND OUTLET SIDES SHALL BE CLEARLY LABELED ON THE TOP OF THE GREASE INTERCEPTOR TO INSURE PROPER INSTALLATION.

DOMESTIC SUPPLY SYSTEMS:

- THE INCOMING WATER SERVICE PIPE SHALL BE LOCATED A MINIMUM OF 10 FT. FROM THE EXISTING SANITARY PIPE. WHERE A 10 FT. SEPARATION IS NOT POSSIBLE, THE BOTTOM OF THE WATER SERVICE PIPE SHALL BE A MINIMUM OF 12 IN. ABOVE THE TOP OF THE HIGHEST POINT OF THE SANITARY PIPE.
- ALL UNDERGROUND SITE PLUMBING SHALL CONFORM TO NSF 61, SHALL BE TYPE K COPPER TUBING OR COPPER PIPE, POLYETHYLENE (PE), PEX OR CPVC. IF CPVC IS USED, FOAM INSULATION SHALL BE INSTALLED AT ALL CHANGES OF DIRECTION TO ACCOUNT FOR EXPANSION AND CONTRACTION.
- IF PEX PIPING IS USED, ALL MAINS SHALL BE UPSIZED BY 0.5" DIAMETER.
- INCOMING WATER SERVICE PRESSURE SHOULD BE BETWEEN 50 AND 55 PSI STATIC. WHERE WATER PRESSURE SERVICE EXCEEDS 80 PSI STATIC, AN APPROVED WATER-PRESSURE REDUCING VALVE WITH STRAINER CONFORMING TO ASSE 1003 SHALL BE INSTALLED. WHERE INCOMING WATER PRESSURE IS BELOW 50 PSI STATIC, A PRESSURE BOOSTER SYSTEM SHALL BE INSTALLED.

- IF THE RESTAURANT HAS A COMBINED WATER AND FIRE SPRINKLER SERVICE, THE INCOMING WATER SERVICE SHALL BE SIZED BASED ON THE FIRE SPRINKLER CONTRACTOR'S HYDRAULIC CALCULATIONS.
- PROVIDE A MINIMUM ½" ANNUAL CLEARANCE AROUND ALL PIPE SLAB PENETRATIONS.

- A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER (RPZ) SHALL BE INSTALLED AT THE INCOMING SERVICE WHERE REQUIRED BY CODE. (MIN. 60" A.F.F.)
- AN EXPANSION TANK SHALL BE INSTALLED ON THE COLD WATER LINE INLET TO THE WATER HEATER. SEE EXPANSION TANK SCHEDULE.
- ALL WATER SUPPLY PIPE WITHIN 5 FT. OF THE BUILDING AND INSIDE THE BUILDING SHALL COMPLY WITH NSF 61 AND SHALL BE TYPE L COPPER TUBING, COPPER PIPE, PEX OR CPVC PIPE.

- CPVC PIPE SHALL BE FLOWGUARD GOLD OR FLOWGUARD BENDABLE AS MANUFACTURED BY LUBRIZOL.
- CPVC PIPE SHALL BE CONNECTED WITH FLOWGUARD GOLD YELLOW LOW-VOC SOLVENT CEMENT AS MANUFACTURED BY IPS WELD-ON OR OATEY.
- ALL CPVC PIPE SHALL BE INSULATED TO PREVENT EXPOSURE TO GREASE.
- WATER-SUSPENDED PIPE SHALL MAX. BELOW UP TO SPACING MAX. VERT. SPACING

COPPER PIPE	12 FT.	10 FT.
COPPER TUBING $\leq 1\frac{1}{2}"$	6 FT.	10 FT.
COPPER TUBING $> 1\frac{1}{2}"$	10 FT.	10 FT.
CPVC $\leq 1"$	3 FT.	10 FT.
CPVC $> 1\frac{1}{4}"$	4 FT.	10 FT.
PEX $\leq 1"$	3 FT.	10 FT.
PEX $> 1\frac{1}{4}"$	4 FT.	10 FT.

- A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER (RPZ) SHALL BE INSTALLED AT THE INLET TO THE WATER FILTRATION SYSTEM. ALL PIPING DOWNSTREAM OF THE RPZ SHALL BE COPPER OR CROSS-LINKED POLYETHYLENE (PEX).
- ALL DEVICES, APPLIANCES, AND APPARATUS INTENDED TO SERVE SOME SPECIAL FUNCTION (EX.: SODA MACHINE, COFFEE MACHINE, BEVERAGE DISPENSERS, ETC.) SHALL BE PROVIDED WITH PROTECTION AGAINST BACKFLOW AND CONTAMINATION OF THE WATER SUPPLY SYSTEM. ALL BACKFLOW PREVENTION DEVICES SHALL BE ASSE LISTED AND APPROVED FOR THE DEVICE OR APPLIANCE THEY SERVE.
- ALL WATER SUPPLY LINES SHALL BE PROVIDED WITH A QUARTER-TURN SHUT-OFF VALVE BEFORE FINAL CONNECTION TO EQUIPMENT.
- QUARTER-TURN SHUT-OFF VALVES SHALL BE INSTALLED UPSTREAM OF ANY INLINE BACKFLOW PREVENTION DEVICE.
- ALL VALVES AND BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED WITH FITTINGS THAT FACILITATE REMOVAL IN CASE OF FAILURE.

- ALL OVERHEAD WATER LINES SHALL BE INSULATED PER SCHEDULE THIS SHEET WITH EXTERNAL JACKETED INSULATION AND A MINIMUM INSTALLED R-VALUE OF 3.7.

- PRIOR TO BUILDING TURNOVER, THE DOMESTIC WATER SUPPLY SYSTEM SHALL BE PURGED OF DELETERIOUS MATERIAL AND DISINFECTED. DISINFECTION SHALL BE DONE IN ACCORDANCE WITH THE LOCAL HEALTH CODE, PLUMBING CODE OR IN ACCORDANCE WITH AWWA C651 OR AWWA C652.

STORM DRAINAGE SYSTEMS:

- ALL ROOF DRAINS SHALL BE SIZED IN ACCORDANCE WITH LOCAL CODES AND SHALL CONFORM TO ASME A112.21.2M OR A112.3.1.
- ALL STORM DRAINAGE PIPING SHALL BE ABS, PVC TYPE DWV OR CAST-IRON WHERE REQUIRED BY CODE.
- ALL SUSPENDED STORM DRAINAGE PIPE SUPPORT REQUIREMENTS SHALL BE THE SAME AS THE SANITARY AND VENT REQUIREMENTS.
- ALL HORIZONTAL STORM DRAINAGE PIPE PITCH REQUIREMENTS SHALL BE THE SAME AS THE SANITARY AND VENT REQUIREMENTS.
- ALL HORIZONTAL STORM DRAINAGE PIPE SHALL BE INSULATED WITH 1" THICK EXTERNAL JACKETED INSULATION AND A MINIMUM INSTALLED R-VALUE OF 3.7 TO PROTECT AGAINST CONDENSATION.
- CLEANOUTS SHALL BE INSTALLED IN ALL HORIZONTAL DRAINAGE PIPE AND SHALL BE LOCATED NOT MORE THAN 100 FT. APART.
- CLEANOUTS SHALL BE INSTALLED AT ALL CHANGES OF DIRECTION GREATER THAN 45 DEGREES. WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A SINGLE PIPE RUN, ONLY ONE (1) CLEANOUT SHALL BE REQUIRED FOR EVERY 40 FEET OF DEVELOPED LENGTH.
- CLEANOUTS SHALL BE INSTALLED ON PIPES PRIOR TO ANY SLAB PENETRATION.

- WHERE PIPING IS LOCATED WITHIN WALL CAVITIES, ACCESS TO THE CLEANOUTS SHALL BE PROVIDED.
- ROOF DRAINS AND OVERFLOW ROOF DRAINS SHALL BE PIPED INDEPENDENTLY. OVERFLOW ROOF DRAINS SHALL NOT BE CONNECTED TO THE PRIMARY ROOF DRAINAGE SYSTEM.

11. MINIMUM PIPING INSULATION THICKNESS HEATING AND HOT-WATER SYSTEMS (STEAM, STEAM CONDENSATE, HOT-WATER HEATING AND DOMESTIC WATER SYSTEMS). PLEASE REFER TO THE LATEST EDITION OF IECC FOR MINIMUM PIPE INSULATION THICKNESS (TABLE C403.12.3)

PIPING	MINIMUM INSULATION THICKNESS (IN INCHES) PER NOMINAL PIPE OR TUBE SIZE					
NOMINAL PIPE SIZE	<1	1 TO 1.5	1.5 TO <4	4 TO <8	>8	≥8
DOMESTIC COLD WATER (40°F TO 60°F)	0.5	0.5	1.0	1.0	1.0	1.0
TEMPERATE HOT WATER (105°F TO 140°F)	1.0	1.0	1.5	1.5	1.5	1.5
HOT WATER (141°F TO 200°F)	1.5	1.5	2.0	2.0	2.0	2.0
STORM DRAIN (HORIZONTAL)	-	-	1.0	1.0	1.0	1.0

LEGEND

— — — — —	COLD WATER PIPING	ACM	AREA CONSTRUCTION MANAGER
— — — — —	TEMPERED WATER PIPING (110°F)	AVB	ATMOSPHERIC VACUUM BREAKER
— — — — —	HOT WATER PIPING (140°F)	BSI	BEVERAGE SYSTEM INSTALLER
— — — — —	RECIRCULATED HOT WATER PIPING	CO	CLEAN-OUT
— — — — —	OVERHEAD LINES (BY P.C.)	DC	DOWNSPOUT COVER
— — SAN — —	UNDERGROUND SANITARY PIPING	DFU	DRAINAGE FIXTURE UNIT(S)
— — GW — —	UNDERGROUND GREASE WASTE PIPING	EC	ELECTRICAL CONTRACTOR
— — — — —	VENT PIPING	FAC	FIRE ALARM CONTRACTOR
— — STS — —	ABOVE GROUND STORM PIPING	FCO	FLOOR CLEAN-OUT
— — STS — —	UNDERGROUND STORM PIPING	FD	FLOOR DRAIN
⊕	HOSE BIBB	FPC	FIRE PROTECTION CONTRACTOR
Ζ	CHECK VALVE	FS	FLOOR SINK
●	BALL VALVE	GC	GENERAL CONTRACTOR
☒	THERMOSTATIC MIXING VALVE	GI	GREASE INTERCEPTOR
□	FLOOR DRAIN	GPF	GALLONS PER FLUSH
□	CLEAN-OUT (FLOOR OR YARD)	GPM	GALLONS PER MINUTE
□	FLOOR SINK	GW	GREASE WASTE
○	PRESSURE GAUGE	HS	HAND SINK
□	LOW PRESSURE SWITCH	I.P.S.	IRON PIPE SIZE (ALSO NPS)
□	HIGH PRESSURE SWITCH	KEI	KITCHEN EQUIPMENT INSTALLER
□	SOLENOID VALVE	KES	KITCHEN EQUIPMENT SUPPLIER
△	THREE-WAY VALVE	LAV	LAVATORY
▷	PRESSURE REGULATOR	MC	MECHANICAL CONTRACTOR
Ζ	DUAL CHECK VALVE OR RPZ	MHT	MALE HOSE THREADS
Ζ	DUAL CHECK VALVE WITH ATMOSPHERIC VENT	MS	MOP SINK
▀	STRAINER	NPS	NATIONAL PIPE THREAD STANDARD
▲	RELIEF VENT	NPT	NATIONAL PIPE THREAD TAPERED
●	WATER-HAMMER ARRESTOR	O/O	OWNER/OPERATOR
OH	OVERHEAD		
P	PUMP		
PC	PLUMBING CONTRACTOR		
RC	REFRIGERATION CONTRACTOR		
RPZ	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER		
SS	SANITARY SEWER		
ST STS	STORM SEWER (PRIMARY) STORM SEWER (SECONDARY)		
SVB	ANTI-SIPHON, SPILL RESISTANT VACUUM BREAKER		
TAB	TEST AND BALANCE CONTRACTOR		
UG	UNDERGROUND		
UR	URINAL		
V	VENT		
WC	WATER CLOSET		
WCO	WALL CLEAN-OUT		
WSFU	WATER SUPPLY FIXTURE UNIT(S)		
YC	YARD CLEAN-OUT		

PREPARED FOR:	McDonald's USA, LLC
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STD ISSUE DATE	2025
REVIEW BY	

COORDINATION SCHEDULE				
GENERAL REQUIREMENTS	FURNISH	INSTALL	FINAL CONNECTION	NOTES
MECHANICAL PERMIT	MC			1-3
HOT WORK (WELDING) PERMIT (IF APPLICABLE)	MC			1-3
REFRIGERATION PERMIT (IF APPLICABLE)	KES			1-3
PLUMBING PERMIT	PC			1-3
ELECTRICAL PERMIT	EC			1-3
FIRE SPRINKLER PERMIT (IF APPLICABLE)	FPC			1-3
FIRE ALARM PERMIT (IF APPLICABLE)	FAC			1-3
CONTRACTOR COORDINATION REQUIREMENTS				
HEATING & AIR-CONDITIONING				
ROOFTOP UNITS, INTAKE AND RELIEF	MCD CP	MC		1-5, 17, 22
ROOF CURBS	MCD CP	MC		1-3, 20, 22
GAS PIPING AND GAS PIPE KIT	PC	PC	PC	1-3, 14, 22-23
CONTROLS WIRING	MC	EC	EC	1-3, 19, 22, 24
POWER WIRING	EC	EC	EC	1-3, 19, 22, 24
CONDENSATE TRAP	MC	PC		1-3, 22-23
CONDENSATE PIPING (IF APPLICABLE)	PC	PC		1-3, 22-23
DUCT-MOUNTED SMOKE DETECTOR	MC	MC	EC	1-3, 22, 24
GENERAL EXHAUST SYSTEMS				
EXHAUST FANS	MCD CP	MC		1-3, 17, 22
ROOF CURBS	MCD CP	MC		1-3, 22
CONTROLS (WHERE APPLICABLE)	MC	EC	EC	1-3, 22, 24
POWER WIRING	EC	EC	EC	1-3, 22, 24
TEMPERATURE CONTROLS				
BUILDING AUTOMATION SYSTEM	MCD CP	MC	EC	1-3, 22, 24
REMOTE SENSORS (RH AND/OR TEMPERATURE)	MC	MC	EC	1-3, 22, 24
CONTROLS WIRING (WHERE APPLICABLE)	MC	EC	EC	1-3, 22, 24
POWER WIRING	EC	EC	EC	1-3, 22, 24
DUCTWORK AND ACCESSORIES				
GALVANIZED SHEET METAL DUCTWORK	MC	MC		1-3, 22
EXTERNAL INSULATION	MC	MC		1-3, 22
INTERNAL INSULATION (IF APPLICABLE)	MC	MC		1-3, 22
WEATHERPROOFING (IF APPLICABLE)	MC	MC		1-3, 22
SPIN-IN COLLARS	MC	MC		1-3, 22
FLEXIBLE DUCTWORK	MC	MC		1-3, 22
VOLUME/BALANCING DAMPERS	MC	MC		1-3, 22
FIRE DAMPERS (IF APPLICABLE)	MC	MC		1-3, 22
FIRESTOPPING (IF APPLICABLE)	MC	MC		1-3, 22
AIR DEVICES AND ACCESSORIES	MC	MC	MC	1-3, 7, 22, 28
PLUMBING SYSTEMS				
WATER HEATERS	MCD CP	PC	PC	1-3, 11-12, 23
HOT AND COLD WATER PIPE	PC	PC	PC	1-3, 23
VENTS AND INTAKES	PC	PC	PC	1-3, 23
THERMOSTATIC MIXING VALVE	PC	PC	PC	1-3, 23
POWER AND CONTROL WIRING	EC	EC	EC	1-3, 23-24
KITCHEN EXHAUST SYSTEMS				
MCDONALD'S BACKSHELL EXHAUST HOODS	KES	KEI		1-3, 6, 22, 27
CANOPY EXHAUST HOODS (IF APPLICABLE)	KES	KEI		1-3, 6, 22, 27
BLACK IRON DUCTWORK	KES	KEI		1-3, 6, 22
STAINLESS STEEL DUCTWORK (IF APPLICABLE)	KES	KEI		1-3, 6, 22
ALUMINUM DUCTWORK (IF APPLICABLE)	KES	KEI		1-3, 6, 22
UL LISTED DUCT WRAP	MC	MC		1-3, 6, 22
FIRE-RATED DUCT ENCLOSURE (IF APPLICABLE)	GC	GC		1-3, 6, 20, 22
EXHAUST FANS	MCD CP	MC		1-3, 6, 17, 22
ROOF CURBS	MCD CP	MC		1-3, 6, 20, 22
CURB EXTENSIONS	MC	MC		1-3, 6, 22
CONTROLS (WHERE APPLICABLE)	EC	EC	EC	1-3, 6, 22, 24
POWER WIRING	EC	EC	EC	1-3, 6, 22, 24
FIRE SUPPRESSION SYSTEM	KES	KES	KES	1-3, 16, 22, 27
KITCHEN EQUIPMENT				
COOLER/FREEZER	KES	GC		1-3, 27
EVAPORATOR COILS	KES	MC		1-3, 27
CONDENSATE PIPING	PC	PC	PC	1-3, 23, 27
REMOTE CONDENSING UNIT (MAC)	KES	MC		1-3, 22, 27
ROOF CURBS	MC	MC		1-3, 22
REFRIGERANT PIPING	KES	MC		1-3, 22, 27
POWER WIRING	EC	EC	EC	1-3, 22, 24, 27
CONTROL WIRING	EC	EC	EC	1-3, 24, 27
PIPE PORTALS	MC	MC		1-3, 22
ICE MACHINES	KES	KEI		1-3, 27
WATER SUPPLY PIPING	KES	KEI	BSI	1-3, 27
REMOTE CONDENSING UNITS	KES	MC		1-3, 22, 27
ROOF CURBS	MC	MC		1-3, 22, 27
REFRIGERANT PIPING	KES	MC		1-3, 22, 27
POWER WIRING	EC	EC	EC	1-3, 22, 24, 27
CONTROL WIRING	KES	EC	EC	1-3, 24, 27
PIPE PORTALS	MC	MC		1-3, 22
GRILLS	KES	KES		1-3, 27
GAS PIPING (IF APPLICABLE)	PC	PC	PC	1-3, 23, 27
POWER WIRING	EC	EC	EC	1-3, 24, 27
CONTROL CABLE (6' CLAMSHELL ONLY)	MC	EC	EC	1-3, 23, 24, 27
FRYERS	KES	KES		1-3, 27
GAS PIPING (IF APPLICABLE)	PC	PC	PC	1-3, 23, 27
POWER WIRING	EC	EC	EC	1-3, 24, 27
3-COMPARTMENT SINK	KES	KES		1-3, 12, 27
FAUCETS AND PRE-RINSE SPRAYER	KES	KES		1-3, 27
WATER SUPPLY PIPING	PC	PC	PC	1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC		1-3, 23, 27
HAND SINKS	MCD CP	PC		1-3, 23, 27
FAUCET	MCD CP	PC		1-3, 23, 27
WATER SUPPLY PIPING	PC	PC	PC	1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC	PC	1-3, 23, 27
VEGETABLE SINK	KES	KES		1-3, 23, 27
FAUCET	KES	KES		1-3, 23, 27
WATER SUPPLY PIPING	PC	PC	PC	1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC	PC	1-3, 23, 27
WASHING MACHINE	KES	KES		1-3, 23, 27
WATER SUPPLY PIPING	PC	PC	PC	1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC	PC	1-3, 23, 27
WARE WASHER	KES	KES		1-3, 23, 27
WATER SUPPLY PIPING	PC	PC	PC	1-3, 23, 27
SANITARY DRAIN PIPING	PC	PC	PC	1-3, 23, 27
MISCELLANEOUS ITEMS				
FIRE SPRINKLER SYSTEMS	FPC	FPC	FPC	1-3, 15, 25
HVAC EQUIPMENT START-UP	MC			1-3, 22
TEST, ADJUST AND BALANCE HVAC SYSTEMS	TAB			1-3, 22
DOOR GRILLES (IF APPLICABLE)	MC	GC		1-3, 20, 22
ROOF/WALL OPENINGS	GC			1-3, 20-24
APPLIANCE BACKFLOW PREVENTION	KES/BSI	PC	PC	1-3, 23, 27
CO2 DETECTION SYSTEM	KES/BSI	EC/BSI	EC/BSI	1-3, 22, 27

EXPANSION TANK SCHEDULE					
TAG	MANUFACTURER	MODEL	TOTAL VOL.	CONNECTION	ACCESSORIES
ET-1	AMTROL	ST-12	4.4 GAL.	5/8"	-
NOTES: 1. SEE DETAIL 6 ON DRAWING P.3.0					

PUMP SCHEDULE					
TAG	MANUFACTURER	MODEL	HP	V	Ø Hz ACCESSORIES
P-1	GRUNDFOS	UP 15-18 B7	1/25	120	1 60 1-3
NOTES: 1. SEE DETAIL 6 ON DRAWING P.3.0					

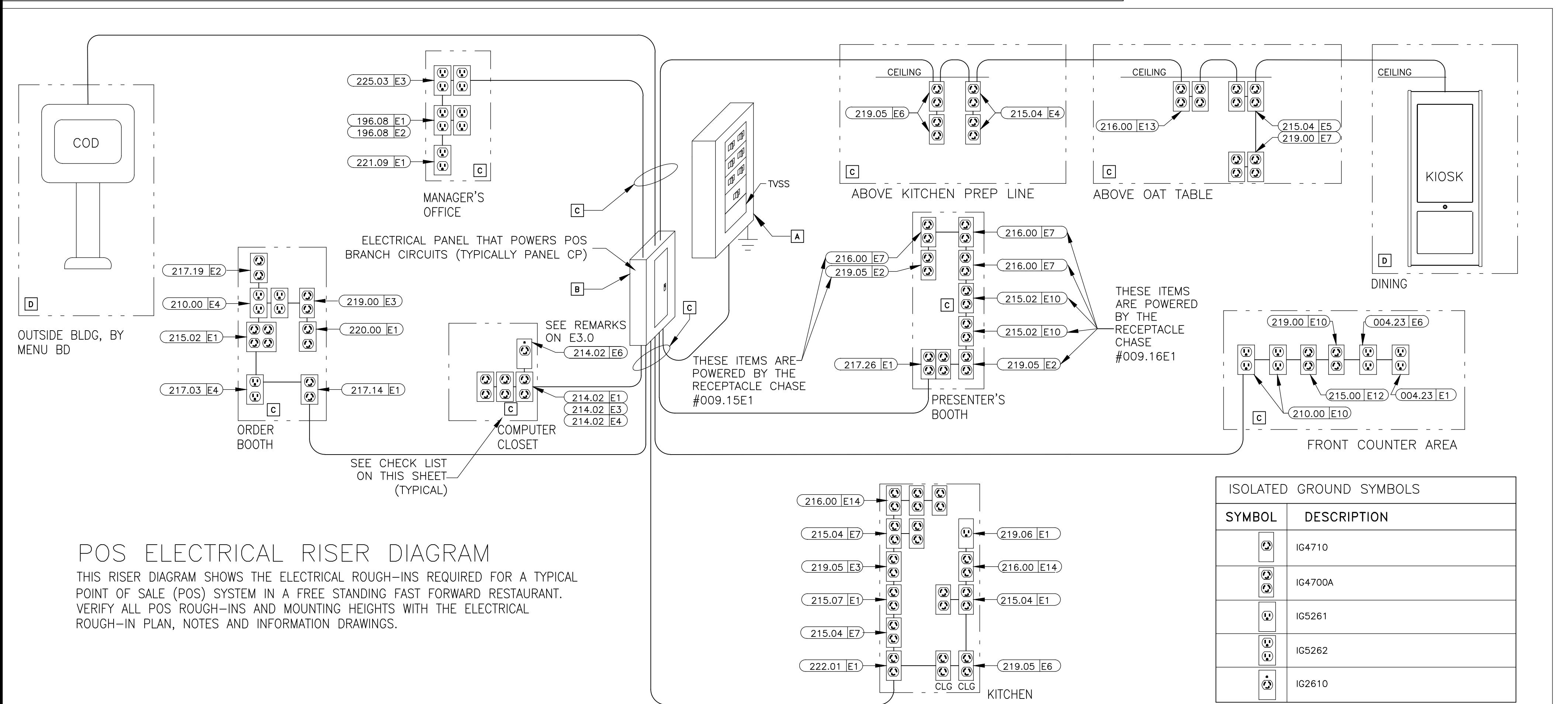
VALVE SCHEDULE					
MANUFACTURER	MODEL	TEMP. SETTING	LISTING	SERVES	
WATTS	LFFMV	110°F	ASSE 1017,1069,1070	CHEMICAL SYSTEM MIXING	
WATTS	LFFMV	104°F	ASSE 1017,1069,1070	LAWS & HAND SINKS MIXING	
ZURN	ZW3870XL	104°F	ASSE 1016, 1070	VEGETABLE PREP. SINK MIXING	
WATTS	LFUSG-B	110°F	ASSE 1016, 1070	RECIRC. SYSTEM BALANCING VALVE	
B & G	CB-1/2	-	-	CHEMICAL SYSTEM SHUT-OFF	
NIBCO	585-70-HC	-	-	RESTROOM SHUT-OFF	
NIBCO	S-FP-600A-LF	-	-	COMBI OVEN WATER SHUT OFF	
NIBCO	S-FP-600A-LF	-	-	COMBI OVEN RO WATER SHUT OFF	
WATTS	LFFBV-PEX	-	-		

BACKFLOW PREVENTER SCHEDULE					
TYPE	MFR.	MODEL	ASSE LISTING	SERVES	LOCATION
AG	FURN. WITH CHEM. SYS.	1055B	CHEMICAL SYSTEM	DIN. RM.-MOP SINK	
AG	FURN. WITH CHEM. SYS.	1055B	CHEMICAL SYSTEM	KITCHEN-MOP SINK	
AVB	FURN. WITH CHEM. SYS.	1001	CHEMICAL SYSTEM	SUPP. RM.-3-COMP	
AVB	FURN. WITH FAUCET	-	MOP SINK FAUCET	SEE DRAWINGS	
DCV	FURN. WITH HB	1011	WALL HYDRANT	SEE DRAWINGS	
DCV	FURN. WITH HB	1052	YARD HYDRANT	TRASH CORRAL	
DCV	WATTS	SD-3	ROOF HYDRANT	ROOF	
RPZ	WILKINS	375XL-SXL-AG	1013	SOA TOWERS AND SPEC. COFFEE	
RPZ	WILKINS	375XL-AG	1013	INCOMING WATER SUPPORT ROOM	
RPZ	WILKINS	375XL-AG	1013	FILTRATION SYSTEM SUPPORT ROOM	

INTERCEPTOR SCHEDULE					
TAG	DESCRIPTION	MANUFACTURER	MODEL	ACCESSORIES	NOTES
GI-1	EXTERIOR GREASE INTERCEPTOR	SCHIER PRODUCTS	GB-500	4" INLET, 4" OUTLET	1-3
NOTES: 1. SEE GREASE INTERCEPTOR NOTES AND ACCESSORIES ON DRAWING P.4.0 2. GREASE INTERCEPTOR IS SIZED FOR CITY SEWER APPLICATIONS ONLY. DO NOT USE FOR SEPTIC FIELDS. 3. FOR SCHIER HYDROMECHANICAL GREASE INTERCEPTOR ORDERING, CONTACT: LEE FLASHER, HUGHES SUPPLY, DIRECT LINE: (407) 509-7626, OR E-MAIL: MCDCOORD@HAJCA.COM 4. FOR ZURN PROCECTOR ORDERING, CONTACT HUGHES SUPPLY, DIRECT LINE: (407) 244-7918, OR E-MAIL: MCDCOORD@HAJCA.COM					

PLUMBING FIXTURE SCHEDULE					
TAG	DESCRIPTION	MANUFACTURER	MODEL	WATER USE	ACCESSORIES/COMMENTS
F-1	FAUCET FOR LAV-1	SLOAN	SF-2150	0.5 GPM	FAUCET OPERATION: SENSOR
		ZURN	Z6695DXL-F-10S	(0.08 GAL/10 SEC CYCLE)	
F-2	FAUCET FOR MS-1	ZURN	Z843M4		FAUCET OPERATION: MANUAL SEE DETAIL 2 ON DRAWING P.3.0
		JAY R. SMITH	4040		SEE DRAWINGS FOR PIPE SIZES SEE NOTE 8
FCO	6x6 FLOOR CLEAN OUT	JAY R. SMITH	4040		
FD-1	6x6 FLOOR DRAIN WITH FUNNEL	JAY R. SMITH	3510-F25		PIPE SIZE: 3" STRAINER SIZE: 6" NICKEL BRONZE SEE NOTE 8
FD-2	6x6 FLOOR DRAIN	JAY R. SMITH	2005		PIPE SIZE: 3" STRAINER SIZE: 6" NICKEL BRONZE SEE NOTE 8
FD-3	6x6 FLOOR DRAIN WITH FUNNEL	JAY R. SMITH	3510-F25		PIPE SIZE: 4" STRAINER SIZE: 6" NICKEL BRONZE SEE NOTE 8
FD-4	6x6 FLOOR DRAIN	JAY R. SMITH	2005		PIPE SIZE: 4" STRAINER SIZE: 6" NICKEL BRONZE SEE NOTE 8
FS-1	12x12 FLOOR SINK WITH HALF-GRATE	JAY R. SMITH	3435		PIPE SIZE: 3" DOME STRAINER: ALUMINUM SEE NOTE 8
FS					

THE PURPOSE OF THIS SHEET IS TO PROVIDE A CHECKLIST AND VISUAL GUIDE SO THE INSTALLING EC CAN VERIFY THE WORK IS IN COMPLIANCE WITH MCDONALD'S SPECIFICATIONS THAT ARE CRITICAL TO THE PROPER FUNCTIONING OF OUR POINT OF SALE (POS) COMPUTER SYSTEMS.



LOW VOLTAGE CABLE MANAGEMENT SPECIFICATION

GENERAL/MATERIALS

1. THE GC OR EC SHALL FURNISH AND INSTALL A COMPLETE LOW VOLTAGE CABLE MANAGEMENT SYSTEM UTILIZING CADDY-ERICO TYPE CAT-32 J-HOOK SUPPORTS (2-INCH DIAMETER LOOP MINIMUM). ALL J-HOOKS SHALL;
 - HAVE A MINIMUM BEARING SURFACE OF 13/16"
 - HAVE FLARED EDGES TO PREVENT DAMAGE TO HIGH PERFORMANCE CABLES,
 - HAVE AN ELECTRO-GALVANIZED FINISH,
 - HAVE 3/8" WIDE CABLE RETAINING STRAPS,
 - BE UL LISTED AND LABELED,
 - BEAR THE UL SYMBOL MARKING ON THE PART FOR IDENTIFICATION
 - BE INSTALLED PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
2. THE ENTIRE INSTALLATION SHALL BE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), NEC SECTION 800, BICSI STANDARDS 568 & 569, ALL APPLICABLE NATIONAL, STATE, LOCAL, AND SAFETY CODES, AND MCDONALD'S SPECIFICATIONS.

INSTALLATION

1. LOW VOLTAGE J-HOOK CABLE PATHWAY (FOR POS CABLING SYSTEM) SHALL BE PROVIDED FROM THE MANAGERS OFFICE (OR COMPUTER CLOSET) DATA CONDUIT STUB-UP LOCATION TO THE FOLLOWING DATA CONDUIT STUB-UP LOCATIONS (AS APPLICABLE):
 - FRONT COUNTER,
 - PRESENTERS BOOTH,
 - CASHIERS BOOTH,
 - THIRD DRIVE-THRU WINDOW(IF PRESENT).
 - CREW ROOM,
 - VALENCE WALL,
 - REMOTE ORDERING STATIONS,
 - NETPOP TELEPHONE PANEL LOCATION,
 - KIOSK
 - DIGITAL MERCHANDISER
- CABLE SUPPORTS SHALL BE PROVIDED WITHIN 24 INCHES OF THESE STUB-UP LOCATIONS. ALL STUB-UP CONDUITS SHALL BE PROVIDED WITH AN INSULATED BUSHING TO PROTECT CABLES DURING INSTALLATION.
2. THE LOCATION AND ROUTING OF THE LOW VOLTAGE CABLE MANAGEMENT SYSTEM SHALL BE COORDINATED WITH ALL OTHER CONSTRUCTION TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS WITH THE OTHER TRADES FINAL INSTALLATIONS, BOTH BEFORE AND AFTER THE CABLE MANAGEMENT SYSTEM AND THE POS CABLING ARE INSTALLED. FINAL INSTALLATION LOCATION SHALL BE READILY ACCESSIBLE TO ALLOW FOR EASE IN INSTALLATION OF THE POS CABLING BY THE POS VENDOR'S INSTALLER.
3. LOW VOLTAGE J-HOOK CABLE SUPPORTS AND APPURTENANCES SHALL BE FASTENED TO THE BUILDING STRUCTURAL AND/OR FRAMING MEMBERS. LOW VOLTAGE J-HOOK CABLE SUPPORTS SHALL NOT BE FASTENED OR UTILIZE THE CEILING GRID SUSPENSION WIRES OR T-BAR GRID FOR INSTALLATION. CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACKETS, HANGERS, RODS, CLAMPS, FLANGES, SUPPORTS, ETC FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM. THE INSTALLATION OF THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM SHALL BE DONE SO THAT THE ROUTING OF THE CABLES IS PARALLEL TO AND/OR PERPENDICULAR TO FRAMING AND STRUCTURAL BUILDING MEMBERS.
4. LOW VOLTAGE J-HOOK CABLE SUPPORTS SHALL BE INSTALLED A MAXIMUM OF 36 INCHES APART. AT TRANSITION LOCATIONS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL J-HOOKS TO ALLOW FOR A MINIMUM ONE-FOOT RADIUS BEND AND FOR ADDITIONAL CABLE SUPPORT AT THESE TRANSITION POINTS.
5. TO AVOID ELECTROMAGNETIC INTERFERENCE (EMI), ALL PATHWAYS SHALL PROVIDE A MINIMUM CLEARANCE OF 4 FEET (1.2 METERS) FROM MOTORS AND TRANSFORMERS AND A MINIMUM CLEARANCE OF 1 FOOT (0.3 METERS) FROM CONDUIT AND CABLES UTILIZED FOR ELECTRICAL POWER DISTRIBUTION, AND OTHER NON-POS LOW VOLTAGE CONDUCTORS.
6. ANY CEILING TILES IN THE AREA WHERE THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM IS LOCATED SHALL NOT BE INSTALLED UNTIL THE POS VENDOR'S CONTRACTOR COMPLETES THE INSTALLATION OF ALL POS CABLING.
7. ALL NON-POS LOW VOLTAGE CABLING SHALL BE INSTALLED IN A SEPARATE CABLE MANAGEMENT SYSTEM INDEPENDENT OF THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM UTILIZED FOR THE POS CABLING.
8. THE POS INSTALLER SHALL BE RESPONSIBLE TO FURNISH AND INSTALL ALL LOW VOLTAGE CABLING REQUIRED FOR THE COMPLETE AND FULLY FUNCTIONAL OPERATION OF THE POS SYSTEM. ALL POS CABLING SHALL BE INSTALLED WITHIN THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM.
9. GENERAL CONTRACTOR TO COORDINATE WITH POS INSTALLER. POS INSTALLER TO PERFORM POS CABLING PRIOR TO CLOSING OF WALLS AND CEILING.

ELECTRICAL POS CERTIFICATION

AS OF THE DATE BELOW, I HEREBY CERTIFY THAT ALL ELECTRICAL WORK, ELECTRICAL SERVICE AND ELECTRICAL SYSTEMS, MATERIALS AND LABOR RELATED TO THE POS ELECTRICAL INSTALLATION IN WHICH THE UNDERSIGNED ARE DIRECTLY OR INDIRECTLY RESPONSIBLE HAVE BEEN PROPERLY INSTALLED IN FULL COMPLIANCE WITH ALL CONSTRUCTION DOCUMENTS AND ALL NFPA, BUILDING, ELECTRICAL AND OTHER APPLICABLE CODES, ALONG WITH ALL OF THE REQUIREMENTS OUTLINED ON THIS DRAWING. I FURTHER CERTIFY THAT THE ELECTRIC SERVICE POWERING THE POS SYSTEM HAS BEEN PROPERLY INSTALLED BY A QUALIFIED ELECTRICIAN. SKILLED, KNOWLEDGEABLE AND TRAINED TO INSTALL ALL THE REQUIRED ELECTRICAL DISTRIBUTION COMPONENTS NECESSARY TO POWER THE POINT OF SALE (POS) SYSTEM.

GENERAL CONTRACTOR: _____
BY: _____
DATE: _____

ELECTRICAL CONTRACTOR:
BY: _____
DATE: _____

ALL WORK IS NOT CONSIDERED TO MEET MCDONALD'S SPECIFICATIONS UNTIL THE INSTALLED ELECTRICAL SYSTEM SUPPORTS A "YES" ANSWER FOR ALL QUESTIONS ASKED.

AS PART OF THIS PROCESS, THE EC AND THE GC WILL BE REQUIRED TO SIGN THE ELECTRICAL CERTIFICATION DOCUMENT INDICATING THAT THE INSTALLED ELECTRICAL SYSTEM MEETS MCDONALD'S SPECIFICATIONS.

NOTICE:

CHANGES SHALL NOT BE MADE TO THE POS ELECTRICAL SYSTEM AFTER THE POS EQUIPMENT HAS BEEN INSTALLED WITHOUT FIRST NOTIFYING THE POS VENDOR.

IF CHANGES ARE MADE TO THE POS ELECTRICAL SYSTEM AFTER THE CERTIFICATION PROCESS HAS BEEN COMPLETED, THEN A SYSTEM RE-CERTIFICATION SHALL BE REQUIRED.

START HERE

A VISUALLY INSPECT THE MAIN ELECTRICAL PANEL (MDP)

YES NO N/A

1. IS AN EQUIPMENT GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY CONNECTED TO THE PANEL?

2. DO ALL NEUTRAL CONDUCTORS TERMINATE ONLY TO THE NEUTRAL BAR?

3. DO ALL EQUIPMENT GROUND CONDUCTORS TERMINATE ONLY TO THE EQUIPMENT GROUND BAR?

4. DOES THE ISOLATED GROUND CONDUCTOR (GREEN W/YELLOW STRIPE) TERMINATE ON THE EQUIPMENT GROUND BAR?

5. IS THERE AN APPROPRIATE ELECTRICAL CONNECTION (BOND) BETWEEN THE NEUTRAL BAR AND THE EQUIPMENT GROUND BAR?

6. DOES THE GROUNDING SYSTEM COMPLY WITH MCDONALD'S "BUILDING ELECTRICAL GROUNDING DETAIL"?

7. IS A SURGE PROTECTOR INSTALLED THAT COMPLIES WITH MCDONALD'S "TVSS INSTALLATION GUIDE" OR DETAIL?

8. ARE ALL ELECTRICAL CONNECTIONS (WIRING & BUSING) PROPERLY TIGHTENED?

9. ARE ALL CIRCUIT BREAKERS CLEARLY LABELED?

B VISUALLY INSPECT THE PANEL "CP" THAT POWERS POS

YES NO N/A

1. IS AN EQUIPMENT GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY CONNECTED TO THE PANEL?

2. IS AN ISOLATED GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY INSULATED FROM THE PANEL?

3. DO ALL NEUTRAL CONDUCTORS TERMINATE ONLY TO THE NEUTRAL BAR?

4. DO ALL EQUIPMENT GROUND CONDUCTORS TERMINATE ONLY TO THE EQUIPMENT GROUND BAR?

5. DO ALL ISOLATED GROUND CONDUCTORS (GREEN W/YELLOW STRIPE) TERMINATE ONLY TO THE ISOLATED GROUND BAR?

6. ARE ALL ELECTRICAL CONNECTIONS (WIRING & BUSING) PROPERLY TIGHTENED?

7. ARE ALL POS AND COD CIRCUIT BREAKERS ON THE SAME PANEL?

8. ARE ALL CIRCUIT BREAKERS CLEARLY LABELED?

9. DO ALL POS & COD CIRCUIT BREAKERS HAVE A LOCKING MECHANISM ON THEIR HANDLES TO PREVENT THEM FROM BEING SHUT OFF BY MISTAKE?

10. DOES THE FEEDER CIRCUIT FOR THIS SUBPANEL CONTAIN PHASE, NEUTRAL ONE EQUIPMENT GROUND AND ONE ISOLATED GROUND CONDUCTORS THAT ARE PROPERLY TERMINATED (SEE POS & COD ISO GND/DED CKT DETAIL)?

REWORK ELECTRICAL SYSTEM TO BRING INTO COMPLIANCE WITH MCDONALD'S SPECIFICATIONS

C VISUALLY INSPECT THE POS BRANCH CIRCUITS

YES NO N/A

1. ARE THE POS BRANCH CIRCUITS ROUTED IN THEIR OWN CONDUIT BY THEMSELVES?

2. IF THE POS BRANCH CIRCUIT IS ROUTED ABOVE GRADE, IS IT IN A METALLIC CONDUIT?

3. DOES EACH POS BRANCH CIRCUIT CONTAIN: ONE PHASE (BLACK COLORED INSULATION) ONE NEUTRAL (WHITE COLORED INSULATION) ONE EQUIPMENT GROUND (GREEN COLORED INSULATION) ONE ISOLATED GROUND (GREEN W/YELLOW STRIPE COLORED INSULATION).

4. DO ALL POS BRANCH CIRCUITS TERMINATE AT EITHER AN IG4700, IG4710, IG5261, IG5262 RECEPTEACES OR ANY COMBINATION OF THESE?

5. ARE ALL ELECTRICAL TERMINATIONS TO IG RECEPTACLES MADE WITH SOLID #12 AWG WIRE CAPTURED AROUND THE SCREW BARREL AND SUITABLY TIGHTENED?

6. ARE ALL BRANCH CIRCUIT CONNECTIONS PROPERLY TIGHTENED?

7. ARE THE CORRECT AMOUNT AND TYPE OF IG RECEPTACLES PROVIDED AS SHOWN IN THE ELECTRICAL ROUGH-IN PLAN, NOTES AND INFORMATION?

8. DO ALL POS RECEPTACLES HAVE ORANGE "COMPUTER ONLY" COVERPLATES?

9. DO ALL POS BRANCH CIRCUITS COMPLY WITH THE "POS & COD ISOLATED GROUND/DEDICATED CIRCUIT DETAIL"?

D VISUALLY INSPECT THE POS BRANCH CIRCUIT FOR THE COD & KIOSK

YES NO N/A

1. ARE THE COD AND KIOSK BRANCH CIRCUITS ROUTED IN THEIR OWN CONDUIT BY THEMSELVES?

2. DOES EACH COD AND KIOSK BRANCH CIRCUIT CONTAIN:

- ONE PHASE (BLACK COLORED INSULATION),
- ONE NEUTRAL (WHITE COLORED INSULATION),
- ONE EQUIPMENT GROUND (GREEN COLORED INSULATION),
- ONE ISOLATED GROUND (GREEN W/YELLOW STRIPE COLORED INSULATION).

3. ARE THE COD(S) AND KIOSK(S) POWERED FROM THE SAME PANEL AS THE POS?

4. DO THE BREAKERS FOR THE COD(S) AND KIOSK(S) HAVE A LOCKING MECHANISM ON THEIR HANDLES THAT WILL PREVENT IT FROM BEING SHUT OFF?

5. DO THE COD BRANCH CIRCUIT(S) COMPLY WITH THE "POS & COD ISOLATED GROUND/DEDICATED CIRCUIT DETAIL"?

McDonald's USA, LLC

PREPARED FOR: **JAWA 24-0221**

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DRAWN BY: MEC STD ISSUE DATE: 02/07/2025
REVIEW BY: JAW DATE ISSUED: 02/07/2025

DESCRIPTION: 2025 STANDARD BUILDING - BB20
WOOD BEARING WALLS
WOOD ROOF TRUSS FRAMING

SITE ID: 042-356 SITE ADDRESS: 780 HWY 78, SACHE TX

2

TRASH CORRAL POWER:
3/4C-#10 & 1#10 GND TO A
20A-TP CB IN PANEL AP-2 FOR WP
GFCI DCO. VERIFY EXACT LOCATION AND
ALL REQUIREMENTS OF TRASH CORRAL
IN FIELD.

COMPLETE INSTALLATION OF THE
SECONDARY DETECTOR LOOPS &
G.O.D. CONDUIT FOR CURRENT &
ANY FUTURE D/T EQUIPMENT. IF
SECONDARY D/T IS NOT INSTALLED,
EXTEND INTO LANDSCAPED AREA
BEHIND BUILDING, STUB, & CAP
FOR FUTURE ACCESS.

EXTEND 2" CONDUIT TO
DT CAMERA MOUNTED ON
LIGHT POLE OR OTHER
POLE. COORDINATE
STUB-UP LOCATION WITH
ACM AND DT CAMERA
INSTALLER

EXTEND CONDUITS TO
OUTDOOR MENU BOARDS FOR
DATA CONNECTIONS. REFER
TO DRIVE THRU DIAGRAM ON
SHEET E4.0

(2) 1-1/2" CONDUIT TO
SECONDARY SPEAKER FOR
DATA & LOOP DETECTOR
SEE CIVIL DRAWINGS
(217.10 E1)

(2) 1-1/2" CONDUIT TO
PRIMARY SPEAKER FOR
DATA & LOOP DETECTOR
SEE CIVIL DRAWINGS
(217.10 E1)

3-SECTION MODULAR
SWITCHBOARD "MDP",
AP-1, 2, 3, 4

PROVIDE 2" HOLE &
GROMMET IN JUNCTION
BOX COVER PLATE FOR
POS DATA CABLES

ADT ROUGH-IN NOTES

- COORDINATE EXACT INSTALLATION REQUIREMENTS WITH ADT PRIOR TO INSTALLATION TEL. 800-417-8238
- EC SHALL PROVIDE A 2 GANG 3 25/32" X 3 25/32" X 3 1/2" D JUNCTION BOX AT DOOR FOR INSTALLATION OF DOOR ALARM UNIT. STUB 1/2C ABOVE CEILING FROM JUNCTION BOX. PROVIDE 1/2C FROM J-BOX TO DOOR MAGNETIC SWITCH LOCATION.
- EC SHALL PROVIDE 4" X 4" JUNCTION BOX ABOVE CEILING FOR INSTALLATION OF LOW VOLTAGE TRANSFORMER. VERIFY EXACT LOCATION WITH ADT PRIOR TO INSTALLATION. PROVIDE 1/2C-#212 TO LOCKOUT TYPE CB IN PANEL LP-1.

GENERAL NOTES

- SEE SHEET E3.0 FOR PANEL & CIRCUIT BREAKER ASSIGNMENT, VOLT/PH, FLA, BREAKER SIZE, COND/WIRE, RECEPTACLE TYPE, HEIGHT ABOVE FINISHED FLOOR, REQUIREMENTS & REMARKS FOR ALL ELECTRICAL EQUIPMENT.
- SEE LOW VOLTAGE CABLE MANAGEMENT SPECIFICATION ON SHEET E1.0 FOR POS, DATA, AND SOUND SYSTEM REQUIREMENTS.
- GC/EC SHALL COORDINATE LOCATION AND ALL REQUIREMENTS OF CT& METER CABINET WITH LOCAL UTILITY COMPANY. CT & METER CABINET SHALL NOT BE INSTALLED ON D/T SIDE OF BUILDING. GC SHALL PAINT TO MATCH BUILDING COLOR.

KEY NOTES

- TAMPER RESISTANT GFCI DUPLEX RECEPTACLE IN PUBLIC AREAS. EC SHALL PROVIDE HUBBELL GFTSTR* (*: AL=ALMOND, BK=BLACK, BR=BROWN, GR=GRAY, IV=IVORY, LA=LIGHT ALMOND, RD=RED, WH=WHITE). SPECIFIED RECEPTACLE BECOMES DE-ENERGIZED UPON FAILURE OF GFCI DEVICE. NO SUBSTITUTIONS.(TYPICAL)
- SEE POS ELECTRICAL RISER DIAGRAM ON SHEET E1.0. (TYPICAL)

KEY NOTES

- EC TO FURNISH AND INSTALL A FLUSH MOUNTED JUNCTION BOX WITH WEATHERPROOF GASKET AND OUTDOOR WEATHERPROOF 24 VOLT CO2 HORN/STROBE UNIT COMPATIBLE WITH CO2 ALARM SYSTEM - EDWARDS GENESIS WGAVRN OR APPROVED EQUAL STROBE SHALL HAVE AN AMBER COVER AND MEET ALL LOCAL REGULATORY REQUIREMENTS FOR SPECIFICATIONS AND INSTALLATION. PROVIDE A 3" CONDUIT STUB-IN INTO BUILDING WITH THERMOPLASTIC BUSHING FROM HORN/STROBE BACKBOX. PROVIDE FINAL WIRING TERMINATIONS AT HORN/STROBE UNIT AND THEN PROVIDE 36 INCHES OF PIGTAIL WIRING FROM HORN/STROBE INTO THE BUILDING AND NEATLY COIL FOR FINAL CONNECTION. FINAL WIRING CONNECTION FROM OUTDOOR HORN/STROBE PIGTAILS TO THE CO2 ALARM SYSTEM INSTALLATION TO BE PROVIDED BY BEVERAGE INSTALLER.
- NOT USED.
- COORDINATE LOCATION OF RECEPTACLES SO THAT RECEPTACLES ARE LOCATED ON FULL HEIGHT WALLS PER THE DECOR PLAN. STUB UP AND CIRCUIT IN HALF WALL FOR RECEPTACLES NOT ON FULL HEIGHT WALLS, CONFIRM FINAL LOCATIONS WITH DECOR DRAWINGS PRIOR TO ROUGH-IN.
- IF MOUNTED TO A LIGHTING POLE, DT CAMERA SHALL ONLY BE INSTALLED ON A POLE WITH MAXIMUM OF (2) LIGHTING HEADS. PROVIDE ISOLATION OF DT CAMERA MOUNTING HARDWARE AND POLE TO PREVENT BI-METALLIC OR GALVANIC CORROSION.
- E.C. TO PROVIDE AN ALLOWANCE IN BID TO PROVIDE TWO(2) FLEXIBLE POWER CONNECTIONS FOR POWER TO FURNITURE/ FAMILY EXPERIENCE ELEMENTS AS PART OF THE DECOR PACKAGE. E.C. SHALL VERIFY EXACT LOCATIONS IN FIELD AND WITH DECOR DRAWINGS. PROVIDE ALL NECESSARY MATERIALS AND LABOR FOR A COMPLETE AND FULLY NEC CODE COMPLIANT INSTALLATION. ALL COMPONENTS SHALL BE FED FROM A GFCI TYPE CIRCUIT BREAKER AND BRANCH CIRCUIT SHALL CONTAIN TWO PATHS OF GROUNDING (CONDUIT BODY AND AN INSULATED GROUNDING CONDUCTOR) TO COMPLY WITH MCDONALD'S GROUNDING STANDARDS.
- DRIVE THRU WINDOW POWER, CONFIRM REQUIREMENTS WITH MANUFACTURER DRAWINGS.

KEY NOTES

- PROVIDE POWER FOR CONNECTION TO SELF ORDER KIOSKS. COORDINATE EXACT LOCATION OF KIOSKS WITH DECOR DRAWINGS. PROVIDE 2#12, 1#12 GND, & 1#12 ISOLATED GROUND ON A 20A DEDICATED CIRCUIT FED FROM THE CP PANEL FOR EVERY KIOSK.
- VERIFY DROP CORDS AND RECEPTACLES DO NOT FALL BELOW HEIGHTS LISTED ON E3.0 ELECTRICAL SCHEDULE. RECEPTACLES SHOULD BE LOCATED AT HEIGHTS TO AVOID CONTACT WITH HOT APPLIANCES.
- PROVIDE POWER AND DATA ROUGH-INS FOR DIGITAL MERCHANDISER. EXTEND CIRCUIT TO THIS LOCATION FROM FRONT COUNTER MERCHANDISER IN SERVICE AREA. EXTEND J-HOOKS FROM SERVICE AREA FOR DATA CABLES. REFER TO 3/E3.1.
- EC TO INSTALL DROP CORDS JUSTIFIED TO THE DRIVE THRU SIDE OF THE BUILDING.
- PROVIDE POWER AND DATA ROUGH-INS FOR CASH HANDLERS REFER TO 4/E3.1. FOR MORE INFORMATION, COORDINATE EXACT LOCATION WITH DECOR DRAWINGS.
- AT&T TO PROVIDE #8 GRD CONDUCTOR FROM BUILDING EXTERIOR WIRELESS ACCESS POINT TO ABOVE INTERIOR CEILING. EC TO EXEND CONDUCTOR TO BUILDING GROUNDING SYSTEM. COORDINATE EXACT LOCATION OF ACCESS POINT IN FIELD WITH AT&T.
- CONTRACTOR TO PUNCH HOLES IN SERVICE POD FOR CABLE AND CONDUIT ROUTING. UTILIZE BUSHINGS PROVIDED WITH SERVICE POD TO PROTECT CABLES.
- REFER TO DETAIL ON A3.1 FOR DIMENSIONS OF DIGITAL MERCHANDISER ROUGH-INS.

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REV	DATE	DESCRIPTION
1	05/09/2025	MCB QC COMMENTS/ FAÇADE REDESIGN / TRASH ENCLOSURE UPDATE
2	07/07/2025	CITY COMMENTS

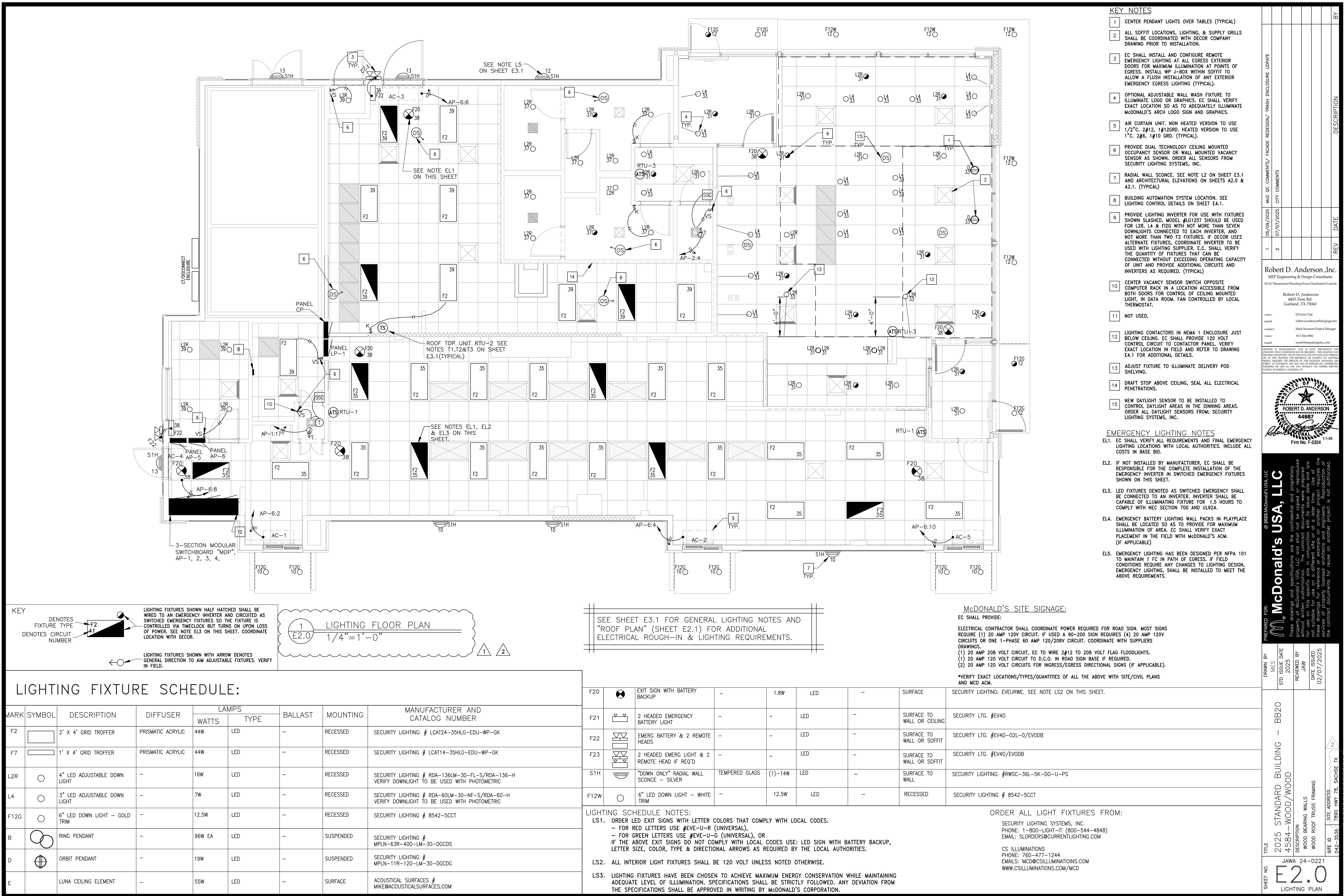
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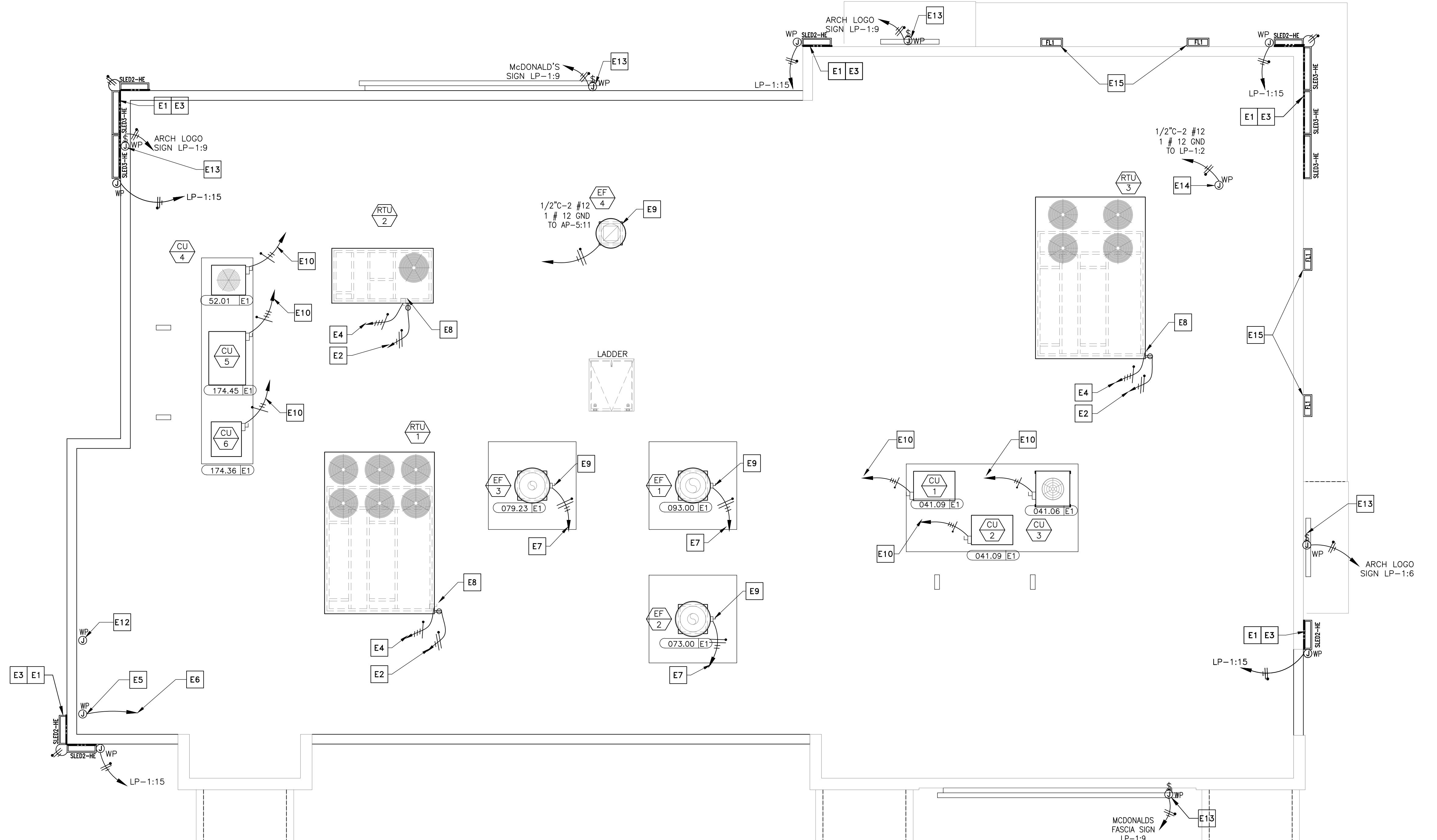
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ROBERT D. ANDERSON
Firm No. 5-324
7/1/25

SHEET NO.	TITLE	DRAWN BY	STD ISSUE DATE
E1	2025 STANDARD BUILDING - BB20	MES	2025
2	4584-WOOD/WOOD	JAW	02/07/2025
	DESCRIPTION		
	WOOD BEARING WALLS		
	WOOD ROOF TRUSS FRAMING		
	SITE ADDRESS		
	780 HWY 78, SACHSE, TX		
	SITE ID		
	042-356		

JAWA 24-0221
E1.1
ROUGH-IN PLAN





KEYED NOTES

- E1 EVERY LINEAR RUN OF SLED FIXTURES REQUIRES A DEDICATED WHIP KIT PROVIDED WITH FIXTURE. CONTRACTOR TO FIELD VERIFY FIXTURE MOUNTING HEIGHT, LOCATION, QUANTITY, PRIOR LENGTHS, AND ALL ELECTRICAL CONNECTION REQUIREMENTS WITH SECURITY LIGHTING PRIOR TO ORDERING AND INSTALLATION (TYPICAL).
- E2 WEATHER PROOF RECEPTACLES WITH GFCI PROTECTION ARE PROVIDED AND MOUNTED WITHIN MOTOR HOUSING LOCATIONS PER NEC ARTICLE 210.63. CIRCUIT SHALL EMANATE FROM PANEL AP-5.CCT.#13.(TYPICAL).
- E3 SMOOTH BRACING IS REQUIRED FOR LED FIXTURE INSTALLATION UNDER COPING/FLASHING.(TYPICAL)
- E4 REFER TO SHEET E4.0 FOR CONDUIT AND WIRE SIZE.(TYPICAL)
- E5 E.C SHALL PROVIDE A WEATHER-PROOF J-BOX ON INSIDE FACE OF PARAPET, MOUNTED 6" BELOW TOP OF PARAPET FOR LIGHTING CONTROL PANEL PHOTOCELL. (PHOTOCELL FURNISHED BY OTHERS AND INSTALLED BY EC). REFER TO LIGHTING CONTROL DETAILS ON E4.1
- E6 TO LIGHTING ENCLOSURE W/ TIMER. COORDINATE WITH LIGHTING CONTROL DETAILS ON SHEET E4.1
- E7 COOKING EQUIPMENT EXHAUST FANS. SEE SHEET E3.0 FOR ELECTRICAL REQUIREMENTS. SEE SHEET E3.2 FOR EXHAUST FAN INTERLOCK WIRING DIAGRAMS. (TYPICAL)
- E8 PROVIDE NEMA 3R MOUNTED WITH CURRENT LIMITING FUSES TO COMPLY WITH NEC 110 AND 440. ELECTRICAL CONTRACTOR SHALL STUB UP THRU RACEWAY IN CURB TO ELIMINATE CONDUIT PENETRATION OF ROOFING. (TYPICAL)
- E9 EXTERNAL NEMA 3R MOUNTED ON SIDE OF BUILDING BY MANUFACTURER. ELECTRICAL CONTRACTOR SHALL STUB-UP THRU ROOF AND PROVIDE FLEXIBLE WEATHERPROOF CONDUIT FROM ROOF PENETRATION TO DISCONNECT (TYPICAL).
- E10 REMOTE CONDENSING UNITS. SEE SHEET E3.0 FOR WIRING AND CIRCUITRY REQUIREMENTS.
- E11 NOT USED.
- E12 E.C. SHALL PROVIDE A WEATHER-PROOF JUNCTION BOX WITH $\frac{3}{4}$ " STUB DOWN TO CEILING SPACE WITH BUSHING FOR ROOF-TOP CAMERA OR SATELLITE. VERIFY EXACT LOCATION(S) WITH MCD AREA CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- E13 E.C. SHALL PROVIDE A JUNCTION BOX FOR ARCH LOGO / MCDONALD'S FASCIA / PLAY-PLACE SIGN. SEE NOTE L1 ON SHEET E3.1. COORDINATE EXACT LOCATION IN FIELD WITH ACM. ALL SIGNS PROVIDED WITH INTEGRAL DISCONNECT SWITCH FROM MANUFACTURER.(TYPICAL)
- E14 E.C. SHALL PROVIDE A JUNCTION BOX FOR ROOF-TOP FLAG POLE LIGHTING. VERIFY LOCATION(S) WITH MCD PROJECT MANAGER PRIOR TO INSTALLATION.
- E15 FLOOD LIGHT MOUNTED ABOVE CANOPY. LP-1:11 EC SHALL VERIFY EXACT SPECIFICATIONS AND LOCATION WITH ARCHITECTURAL ELEVATIONS. VERIFY EXACT INFEEDE REQUIREMENTS IN THE FIELD. SEE FLOOD LIGHT DETAIL ON SHEET E3.1. (TYPICAL)

LED FIXTURE SCHEDULE:

MARK	SYMBOL	DESCRIPTION	DIFFUSER	LAMPS WATTS PER Fixture	TYPE	BALLAST	MOUNTING	MANUFACTURER AND CATALOG NUMBER
SLED2-HE	■	DOWN ONLY ACCENT LIGHTING (SEE PLAN)	TEMPERED GLASS	1-10W PER Fixture	LED	-	surface	SECURITY LIGHTING: SLED-HE-24-D0-U-I0 CUSTOM BUILT FOR EXTERIOR ACCENT CHANNELS.
SLED3-HE	■	DOWN ONLY ACCENT LIGHTING (SEE PLAN)	TEMPERED GLASS	1-14W PER Fixture	LED	-	surface	SECURITY LIGHTING: SLED-HE-36-D0-U-I0 CUSTOM BUILT FOR EXTERIOR ACCENT CHANNELS.
SLED4-HE	■	DOWN ONLY ACCENT LIGHTING (SEE PLAN)	TEMPERED GLASS	1-19W PER Fixture	LED	-	surface	SECURITY LIGHTING: SLED-HE-48-D0-U-I0 CUSTOM BUILT FOR EXTERIOR ACCENT CHANNELS.
FL1	□	UP ONLY ACCENT LIGHTING (SEE PLAN)	TEMPERED GLASS	1-16W PER Fixture	LED	-	surface	SECURITY LIGHTING: EL218-W-5-8K-UV-I0-JW10

DRAWING NOTES

- SEE DRAWING M-4.0 FOR GENERAL MECHANICAL NOTES.
- SEE DRAWINGS M-3.0 AND M-4.1 FOR MECHANICAL EQUIPMENT SCHEDULES AND DETAILS.
- SEE DRAWING M-4.0 FOR MECHANICAL LEGEND.
- SEE DRAWING K-2.1 FOR REMOTE CONDENSER AND MAC UNIT INFORMATION.
- SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

LED GENERAL NOTES

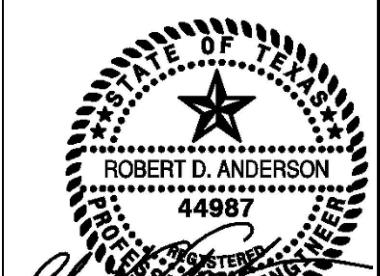
- PLACE LED FIXTURE AT DESIRED LOCATION AND ATTACH POWER SUPPLY AND MOUNTING BRACKET AS RECOMMENDED BY MANUFACTURER.
- EC SHALL CONNECT NEW FIXTURES TO A 120V CIRCUIT AND MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.
- POWER SUPPLY SHALL ALWAYS BE INSTALLED TO THE LEFT SIDE OF FIXTURE WHEN FACING BRAND WALL.

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2	07/07/2025	CITY COMMENTS
REV	DATE	DESCRIPTION
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2	07/07/2025	
3	07/07/2025	

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7/1/25

PB	= Pullbox	VIF	= Verify in Field	ELECTRICAL SCHEDULE												PB	= Pullbox	VIF	= Verify in Field	ELECTRICAL SCHEDULE															
JB	= Junction Box															EC	= Electrical Contractor																		
TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PNL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS						TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PNL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS									
00000 E1	1	DIGITAL MERCHANDISER	120/1 ISOLATED	2.6	20A	1/2" C-#12IG	CP:6	IG5262	6'-5"	-						205.08E1	1	BIC MACHINE	120/1	8.6	20A	1/2" C-#12	AP-2:29	BY KES	SEE RMKS	EC TO EXTEND DEDICATED CIRCUIT TO 5-20R RECEPTACLE IN CHASE									
004.20E6	1	DIGITAL MERCHANDISER - MEDIA PLAYER	120/1 ISOLATED	1.0	20A	1/2" C-#12IG	CP:6	IG5262	6'-5"	USE SAME RECEPTACLE AS 4.20E6						205.09E2	1	FROZEN BEVERAGE DISPENSER	208/1	20.0	30A	1/2" C-#12	AP-5:(17,19)	SEE RMKS	SEE RMKS	RECEP L6-30R IN CHASE BY KES, EC MAKES FINAL CONN									
004.23E1	1	DIGITAL MERCHANDISER - MEDIA PLAYER	DATA CABLE	-	-	-	-	JB	6'-5"	JB W/ 1" C. TO FULL HEIGHT WALL AND TO ABOVE CEILING W/BUSHINGS, FOR DATA CABLES, SUPPLY W/GROMMETED OPENING IN COVER PLATE						207.01E2	1	BLENDER - MCFLURRY - RAIL MOUNT	120/1	1.2	20A	1/2" C-#12IG	AP-2:7	5-20R	4"-0"										
004.23E2	1	DIGITAL MERCHANDISER - MEDIA PLAYER														210.00E10	1	CASH RECYCLER	120/1 ISOLATED	4.4	20A	1/2" C-#12IG	CP:27	(2) IG5262	SEE RMKS	PROVIDE RECEP. IN COUNTER-MOUNTED RACEWAY									
009.15E1	1	UTILITY CHASE - FFDT INTERIOR WALL	-	-	-	-	-	-	SEE RMKS	UTILITY CHASE AND RECEPTACLES PROVIDED BY K.E.S.						210.00E4	1	CASH RECYCLER	120/1 ISOLATED	4.4	20A	1/2" C-#12IG	CP:24	(2) IG5262	2'-10"	-									
009.16E1	1	UTILITY CHASE - FFDT EXTERIOR WALL	-	-	-	-	-	-	SEE RMKS	UTILITY CHASE AND RECEPTACLES PROVIDED BY K.E.S.						211.00E6	1	DELIVERY TABLETS	120/1	3.0	20A	1/2" C-#12	AP-5:21	(2) 5-20R	5'-6"	-									
020.01E1	2	AUTOMATED BEVERAGE SYSTEM 2.0	120/1	5.0	20A	1/2" C-#12IG	AP-1:12, AP-2:24	5-20R	2"-0"	-						214.02E1	1	82" 44U STATIONARY RACK	120/1 ISOLATED	5.0	20A	1/2" C-#12IG	CP:11	IG4700	7'-6"	FOR SWITCHES, HUBS AND RADIUS									
020.01E2	2	AUTOMATED BEVERAGE SYSTEM 2.0	120/1	14.9	20A	1/2" C-#12IG	AP-1:6, AP-2:26	5-20R	3'-10"	FOR PRE-COOLER						214.02E3	1	82" 44U STATIONARY RACK	120/1 ISOLATED	10.0	20A	1/2" C-#12IG	CP:15	IG4700	3'-0"	FOR CASHLESS DEVICE UPS									
021.01E3	3	COFFEE BREWER (THERMAL POTS)	120-208/1	15.5	20A	1/2" C-#12IG	AP-1:(2),(4),14,16, AP-6:(11,13)	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO L14-20R RECEPTACLE IN CHASE						214.02E4	1	82" 44U STATIONARY RACK	120/1 ISOLATED	12.0	20A	1/2" C-#12IG	CP:17	IG4700	3'-0"	FOR POS SYSTEM UPS AND ORB CONTROLLER									
023.10E1	1	ESPRESSO BREWER	208/1	21.6	30A	1/2" C-#12IG	AP-1:(19,21)	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO L6-30R RECEPTACLE IN CHASE						214.02E5	1	82" 44U STATIONARY RACK	DATA CABLE	-	-	-	-	8x6x4 PB	7'-6"	EXTEND (2) 2 1/2" CONDUIT ABOVE CLG. W/BUSHING FOR DATA CABLES									
023.12E1	1	COFFEE CREAM DISPENSER	120/1	1.0	20A	1/2" C-#12IG	AP-1:8	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5-20R RECEPTACLE IN CHASE						214.02E6	1	82" 44U STATIONARY RACK	120/1 ISOLATED	14.0	30A	1/2" C-#10IG	CP:12	L5-30R IG	3'-0"	FOR POS SYSTEM UPS									
023.14E1	1	SUGAR/SWEETENER DISPENSER	120/1	1.5	20A	1/2" C-#12IG	AP-1:8	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5-20R RECEPTACLE IN CHASE						215.00E12	1	POS REGISTER - FRONT COUNTER	120/1 ISOLATED	3.0 EA.	-	3/4" C-#12IG	CP:19	IG4700	SEE RMKS	PROVIDE IG RECEP. IN COUNTER-MOUNTED RACEWAY									
024.02E1	1	JUICE DISPENSER	120/1	4.5	20A	1/2" C-#12IG	AP-1:8	5-20R		SEE RMKS	EC TO EXTEND CIRCUIT TO 5-20R RECEPTACLE IN CHASE						215.00E3	1	POS REGISTER - FRONT COUNTER	DATA CABLE	-	-	-	-	4x4x4 PB	10"	EXTEND 2" CONDUIT TO ABOVE CEILING FOR POS DATA CABLES								
025.07E1	1	INFUSION TEA BREWER - MIS	120-208/1	13.0	20A	1/2" C-#12IG	AP-2:(32,34)	L14-20R	2"-3"	-	SEE RMKS	FOR WATER LINE TO ICED TEA BREWER IF CHASE IS NOT SPECIFIED. (SEE P1.6)						215.02E1	1	POS REGISTER - 2 WINDOW D/T	120/1 ISOLATED	3.0 EA.	SEE RMKS	1/2" C-#12IG	SEE REMARKS	(2)IG4700	2"-5"	SEE REMARKS							
025.07E2	1	INFUSION TEA BREWER - MIS	-	-	-	-	-	JB	2"-3"	SEE RMKS	FOR WATER LINE TO ICED TEA BREWER IF CHASE IS NOT SPECIFIED. (SEE P1.6)						215.02E10	2	POS REGISTER - 2 WINDOW D/T	120/1 ISOLATED	3.0 EA.	SEE RMKS	1/2" C-#12IG	CP:1	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO IG4700 RECEPTACLE IN CHASE								
023.12E1	1	COFFEE CREAM DISPENSER	120/1	1.0	20A	1/2" C-#12IG	AP-1:8	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5-20R RECEPTACLE IN CHASE						215.02E12	1	POS REGISTER - 2 WINDOW D/T	-	-	-	-	18x12x4 PB	10"	REFER TO D/T LOW VOLTAGE CONDUIT DIAGRAM FOR CONDUITS UNDER SLAB AND EXTEND (2) 2 1/2" C. TO ABOVE CLG.										
023.14E1	1	SUGAR/SWEETENER DISPENSER	120/1	1.5	20A	1/2" C-#12IG	AP-1:8	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5-20R RECEPTACLE IN CHASE						215.02E13	2	POS REGISTER - 2 WINDOW D/T	-	-	-	-	4x4x4 PB	10"	EXTEND 1 2/1" CONDUIT UNDER SLAB TO 217.11E1 AND 2 1/2" C. TO ABOVE CEILING FOR POS DATA CABLES										
023.15E1	1	REVERSE OSMOSIS WATER FILTRATION SYSTEM	120/1	4.0	20A	1/2" C-#12IG	EA	AP-2:23	5-20R	6"-0"	-	SEE RMKS	FOR WATER BOOSTER SYSTEM AND OPTIONAL AIR COMPRESSOR						215.04E1	2	POS - KVS MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2" C-#12IG	CP:8	IG4700	FLUSH ON CLG.	-						
032.20E1	1	TANKLESS	-	-	-	-	-	-	SEE RMKS	FOR WATER FILTRATION SYSTEM						215.04E4	2	POS - KVS MONITOR	120/1 ISOLATED	1.5	20A	1/2" C-#12IG	CP:26	SEE RMKS	EC TO EXTEND CIRCUIT TO IG4700 RECEPTACLE IN OEP										
037.03E1	2	C02 SAFETY SYSTEM - DETECTOR	120/1	1.0	20A	1/2" C-#12IG	AP-1:10	JB	SEE RMKS	PROVIDE LOCKOUT CB. SEE MECHANICAL DRAWINGS						215.04E5	2	POS - KVS MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2" C-#12IG	CP:3	SEE RMKS	SEE RMKS	EC TO EXTEND CIRCUIT TO IG4700 RECEPTACLE IN CHASE									
037.03E2	2	C02 SAFETY SYSTEM	-	-	-	-	-	JB	SEE RMKS	FOR LV WIRES, STUB 3/4". ABV. CLG. SEE MECHANICAL DRAWINGS						215.04E6	3	POS - KVS MONITOR	120/1 ISOLATED	1.5 EA.	20A	1/2" C-#12IG	CP:23	IG4700	5'-6"	-									
038.00E1	1	CLEAN IN PLACE PANEL	120/1	1.0	20A	1/2" C-#12IG	AP-2:21	5-20R	5"-6"	-	SEE RMKS	EC SUPPLIES 30A-3P NF DISC SW MT99" BELOW CEILING PER NEC 404.8(A) EX- VERIFY W/ AHJ						215.04E8	1	POS - KVS MONITOR	DATA CABLE	-	-	-	-	4x4x4 PB	4'-0"	EXTEND 2" CONDUIT ABOVE CEILING. CABLE FURNISHED AND INSTALLED BY POS SYSTEM SUPPLIER							
039.10E1	1	ICE MACHINE - 1400 LB.	208/3	13.4	20A	1/2" C-#12IG	AP-2:(1,3,5)	BY KES	SEE RMKS	EC SUPPLIES 30A-3P NF DISC SW MT99" BELOW CEILING PER NEC 404.8(A) EX- VERIFY W/ AHJ						215.07E1	1	POS REGISTER - DELIVERY	120/1 ISOLATED	3.0	20A	1/2" C-#12IG	CP:23	IG4700	3'-6"	-									
039.15E1	2	ICE MACHINE - 1000 LB.	120/1	1.1	15A	1/2" C-#12IG	AP-1:37,39	5-20R	-	SEE RMKS	MOUNT 9" BELOW CEILING - CIRCUIT BREAKERS SHALL BE HACR TYPE						215.07E3	1	POS REGISTER - DELIVERY	DATA CABLE	-	-	-	-	4x4x4 PB	3'-6"	EXTEND 2" CONDUIT TO ABOVE CEILING FOR POS DATA CABLES								
039.15E2	2	ICE MACHINE - 1000 LB																																	

GENERAL ELECTRICAL NOTES:

INSTALLATION METHODS:

- M1. ALL ELECTRICAL MATERIAL USED ON THIS PROJECT SHALL BE "UL" LISTED AND LABELED.
- M2. ALL DIMENSIONS SHOWN ARE TAKEN FROM FACE OF GYP BOARD/PLYWOOD. THE EC SHALL MAKE NECESSARY DIMENSIONAL ALLOWANCES. ALL DIMENSIONS SHOWN ARE TO CENTER LINE OF OUTLET BOX AND/OR RECEPTACLE UNLESS NOTED OTHERWISE.
- M3. ALL J-BOXES, DCOs, AND OTHER ELECTRICAL DEVICES SHOWN SHALL BE RECESSED INTO A WALL, FLOOR OR CEILING UNLESS SPECIFICALLY NOTED OTHERWISE.
- M4. ALL RECEPTACLES (EXCEPT SPECIFIED HUBBELL PIPE & SLEEVE TYPES) SHALL BE FURNISHED BY THE EC. THE RECEPTACLES INCLUDING PIN AND SLEEVE TYPE SHALL BE INSTALLED BY THE EC.
- M5. EC SHALL PROVIDE STAINLESS STEEL COVER PLATES ON ALL RECEPTACLES AND J-BOXES. ADDITIONALLY, EC SHALL PROVIDE ORANGE NYLON COVER PLATES MARKED "COMPUTER ONLY" ON ALL ISOLATED GROUND/DEDICATED CIRCUIT RECEPTACLES. PURCHASE P80C (ONE DUPLEX) OR P80ZC (TWO DUPLEX) FROM HUBBELL.
- M6. ROUGH-INS FOR OPTIONAL EQUIPMENT ARE SHOWN ON THESE SHEETS. EC SHALL VERIFY WITH McDONALD'S PROJECT MANAGER WHICH OPTIONAL EQUIPMENT IS TO BE INCLUDED AND INSTALL OPTIONAL ROUGH-INS AS REQUIRED. PRICING FOR OPTIONAL ROUGH-INS SHALL BE INCLUDED IN BID AND CALLED OUT AS OPTIONAL.
- M7. EC SHALL COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER, MECHANICAL CONTRACTOR AND GC FOR FINAL LOCATIONS AND CONNECTION REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION OF ANY CONDUIT AND/OR STUB-UP LOCATIONS.
- M8. CEILING MOUNTED ECONOMY OEP BOX IS FURNISHED BY McDONALD'S, AND INSTALLED BY THE GC. CORD AND PLUG SET FURNISHED BY KES AND INSTALLED BY THE EC.
- M9. FOR GRILLS, FRYERS, AND ANSUL SYSTEMS, EC SHALL EXTEND CONDUIT AND CONDUCTORS DOWN CHASE OR WALL TO TERMINAL BLOCK MOUNTED ON EQUIPMENT AND MAKE FINAL CONNECTIONS TO TERMINAL BLOCKS.
- M10. ALL HOLES IN THE FRONT COUNTER FOR THE POS CORDS AND CABLES SHALL BE LOCATED BY OWNER AND DRILLED BY GC.
- M11. ALL ELECTRICAL CONDUCTORS SHALL BE CONNECTED TO RECEPTACLES USING ONLY THE TERMINAL SCREWS. RECEPTACLE BACK WIRE/QUICK CONNECTIONS SHALL NOT BE USED. HUBBELL EDGE CONNECT IS APPROVED ALTERNATIVE.
- M12. EC SHALL PROVIDE 208V HEAT TRACE ON THE FREEZER EVAPORATOR CONDENSATE DRAIN LINE. HEAT TRACE SHALL OPERATE CONTINUOUSLY. EC SHALL WIRE HEAT TRACE TO FREEZER EVAPORATOR POWER SUPPLY. A SEPARATE CIRCUIT FOR HEAT TRACE IS NOT REQUIRED. VERIFY HEAT TRACE REQUIREMENTS WITH EVAPORATOR MANUFACTURER.
- M13. POWER AND CONTROL CORDS ARE FURNISHED WITH KITCHEN APPLIANCES. THE EC SHALL CONNECT CORD SETS TO APPLIANCES AS REQUIRED.
- M14. GC SHALL NOT INSTALL CEILING TILE IN AREAS OF THE BEVERAGE BAR REFRIGERATION LINES AND EQUIPMENT PENETRATION LOCATIONS UNTIL THE LINES HAVE BEEN INSTALLED. THE CEILING TILE INSTALLER SHALL RETURN AND INSTALL THE TILES AFTER THE REFRIGERATION LINES HAVE BEEN INSTALLED AND TESTED.

UTILITIES:

- U1. INCOMING SERVICE SHALL BE 208V/120V, 3 PHASE, 4 WIRE. ANY DEVIATIONS TO THIS SERVICE TYPE SHALL NOT BE PERMITTED UNLESS APPROVED IN WRITING BY McDONALD'S.
- U2. THE EC SHALL ARRANGE WITH THE ELECTRIC, TELEPHONE, AND OTHER UTILITY COMPANIES FOR INCOMING SERVICE REQUIREMENTS AND SHALL INCLUDE ALL COSTS IN BASE BID.
- U3. THE EC SHALL VERIFY EXACT METHODS AND REQUIREMENTS FOR ELECTRICAL SERVICE WITH LOCAL UTILITY COMPANY. CURRENT TRANSFORMERS SHALL BE INSTALLED OUTSIDE RESTAURANT, LOCATE INSIDE ONLY IF REQUIRED BY UTILITY COMPANY OR LOCAL AUTHORITIES.
- U4. PROVIDE CONCRETE PAD IF TRANSFORMER IS LOCATED ON GRADE AND PROVIDE SECONDARY SERVICE FEEDER AND CONDUITS TO PANEL MDP AS PER LOCAL UTILITY REQUIREMENTS.
- U5. THE EC/GC/ACM SHALL OBTAIN AVAILABLE SHORT CIRCUIT CURRENT FROM THE LOCAL UTILITY COMPANY. THE EC/GC/ACM SHALL ADVISE IN WRITING (FAX SUPPLIER THE UTILITY LETTER) THE AVAILABLE AMOUNT OF FAULT CURRENT. THE PANELBOARD SUPPLIER SHALL BE RESPONSIBLE TO VERIFY THAT THE ELECTRICAL EQUIPMENT SHIPPED HAS APPROPRIATE ELECTRICAL RATINGS WHICH ARE EQUAL TO OR GREATER THAN THE AVAILABLE AMOUNT OF FAULT CURRENT AT THE SITE.
- U6. EC AND ACM OR OWNER/OPERATOR AND ACM SHALL COORDINATE WITH LOCAL PHONE COMPANY TO PROVIDE A 10 PAIR (OR MORE) COPPER TELEPHONE CABLE FROM THE TELEPHONE UTILITY EASEMENT TO THE RESTAURANT TELEPHONE DEMARCATON POINT. IF THE TELEPHONE PANEL/BOX IS LOCATED INSIDE THE RESTAURANT, EC SHALL PROVIDE (2) EMPTY 3/4" CONDUITS FROM THE TELEPHONE PANEL/BOX UP TO ABOVE THE CEILING FOR FUTURE TELEPHONE CABLE INSTALLATION. ADDITIONALLY, THE EC SHALL PROVIDE AN EMPTY 3/4" CONDUIT FROM THE TELEPHONE PANEL/BOX TO THE LOCATION OF THE FUTURE INTERNET SERVER (VERIFY LOCATION WITH PM). EC SHALL CONNECT, INSTALL AND INCOPORATE ALL OTHER REQUIREMENTS NECESSARY FOR COMPLETE AND OPERATIONAL TELEPHONE SYSTEM(S) AT THIS SITE. THE REMAINING UNUSED TELEPHONE CONDUCTOR PAIRS SHALL BE CAPPED AND LEFT IN PLACE FOR FUTURE USE. THE TELEPHONE PANEL/BOX SHALL BE GROUNDED AS SHOWN IN THE "BUILDING ELECTRICAL GROUNDING DETAIL".
- U7. EC SHALL PROVIDE A 4" SCHEDULE 40/80 PVC CONDUIT THAT IS SUITABLE FOR DIRECT BURIAL FROM BUILDING TO UTILITY EASEMENT/ROW IN UTILITY CABLING/CONDUIT TRENCH PROVIDED BY GC. CONDUIT SHALL RUN FROM INCOMING TELECOM LOCATION AT BUILDING TO TELECOM PEDESTAL LOCATION IN UTILITY EASEMENT/ROW. VERIFY EXACT LOCATIONS IN FIELD WITH AREA CONSTRUCTION MANAGER AND TELECOM UTILITY PROVIDER PRIOR TO INSTALLATION.

INSTALLATION NOTES:

- I1. IF TELECOM CONDUIT IS TERMINATED WITHIN BUILDING, PVC SHALL TRANSITION TO HWG/RMC TYPE CONDUIT PRIOR TO RISING ABOVE FINISHED SLAB.
- I2. PROVIDE THERMOPLASTIC BUSHINGS AT BOTH ENDS OF CONDUIT FOR CABLING PROTECTION.
- I3. IF 90 DEGREE BENDS ARE REQUIRED, CONTRACTOR SHALL PROVIDE WIDE SWEEPING BENDS TO PREVENT BENDING/DAMAGE TO CABLE.
- I4. ALL COMMUNICATIONS CABLING SHALL BE PULLED VIA THIS CONDUIT.
- I5. INSTALL A MINIMUM OF 6 PULL WIRES IN CONDUIT TO ALLOW FOR THE INSTALLATION OF FUTURE CABLING. USE NON-DEGRADING POLYPROPYLENE OR MONOFILAMENT PLASTIC LINE OR #12 AWG SOLID COPPER CONDUCTORS WITH NO LESS THAN 200 LB FSTNLE STRENGTH. PROVIDE AT LEAST 6 INCHES OF SLACK EACH END OF THE WIRES.
- I6. AFTER INSTALLATION OF COMMUNICATION CABLING AND BUSHINGS, CONTRACTOR SHALL SEAL BOTH ENDS OF CONDUIT TO PREVENT INTRUSION FROM WEATHER, RODENTS, DEBRIS, ETC. SEAL SHALL BE OF TYPE TO ALLOW FOR REMOVAL FOR INSTALLATION OF FUTURE CABLING.

CONDUIT AND WIRE:

- W1. THE FOLLOWING WIRING METHODS SHALL NOT BE USED: NON-METALLIC SHEATHED CABLE (ROMEX, NM, NMC, & NMS), ARMORED CABLE TYPE AC (BX), ELECTRICAL NON-METALLIC TUBING, TYPE ENT (SMURF-TUBE).
- W2. CONDUIT RUNS MAY BE COMBINED EXCEPT WHERE ISOLATED GROUNDS ARE USED. IG CIRCUITS SHALL BE RUN IN SEPARATE CONDUITS. ALL HOME RUNS SHALL BE SIZED BASED ON DERATED CONDUCTOR AMPACITIES AND INCREASE CONDUIT AND WIRE SIZE AS REQUIRED BY NEC SECTION 310 REQUIREMENTS.
- W3. CONDUIT SHALL HAVE A MAXIMUM OF 4 BENDS WITHOUT A JUNCTION BOX TO PREVENT DAMAGE TO CABLE DURING PULLING. THE EC SHALL PIGTAIL #12 PULL WIRE AT EACH END FOR INSTALLER TO PULL CABLE. ALL LOW VOLTAGE CONDUIT STUB-UPS SHALL BE PROVIDED WITH A BUSHING.
- W4. MINIMUM WIRE SIZE SHALL BE #12 AWG COPPER UNLESS NOTED OTHERWISE. MINIMUM CONDUIT SIZE SHALL BE 1/2" UNLESS NOTED OTHERWISE. WIRES INSTALLED UNDERGROUND OR OUTDOORS SHALL BE THW.
- W5. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID COPPER. CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER. ALUMINUM CONDUCTORS SHALL NOT BE UTILIZED FOR FEEDER OR BRANCH CIRCUIT DISTRIBUTION.
- W6. RACEWAYS SHALL BE ANY OF THE FOLLOWING MATERIALS, INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES:

OUTDOORS: (FOR SPECIFIC APPLICATIONS AND APPROPRIATE FITTINGS, SEE TABLE W6)

- O1. EXPOSED: RMC, IMC.
- O2. CONCEALED: RMC, IMC.
- O3. BELOW GRADE, SINGLE RUN: RNC, RMC.
- O4. BELOW GRADE, GROUPED: RNC, RMC.
- O5. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): LFM.
- O6. BOXES AND ENCLOSURES: NEMA 250, TYPE 3R OR 4.

INDOORS: (FOR SPECIFIC APPLICATIONS AND APPROPRIATE FITTINGS, SEE TABLE W6)

- I1. EXPOSED: EMT, IMC.
- I2. CONCEALED: EMT, IMC.
- I3. (CONTINUED ON TOP)

3. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): FMC; EXCEPT USE LFM IN DAMP OR WET LOCATIONS.
4. DAMP OR WET LOCATIONS: RIGID STEEL CONDUIT.
5. BOXES AND ENCLOSURES: NEMA 250, TYPE 1, EXCEPT AS FOLLOWS: A. DAMP, WET OR KITCHEN LOCATIONS: NEMA 250, TYPE 4, STAINLESS STEEL.

TABLE W6:

LOCATION	208V.	480V.	LOW ENERGY*
EXPOSED			
INDOORS	< 1" EMT COMPRESS. FTGS >1.25" IMC THREADED FTGS	IMC THREADED FTGS	EMT COMPR. FTGS
OUTDOORS	RMC OR IMC THREADED FTGS	RMC OR IMC THREADED FTGS	RMC OR IMC THREADED FTGS
CONCEALED			
WALLS	<2" EMT SET SCREW FTGS >2.5" IMC THREADED FTGS	<2" EMT SET SCREW FTGS >2.5" IMC THREADED FTGS	EMT 1/2"- 2" SET SCREW FTGS 2.5"- 4" COMPR. FTGS
AIR HANDLING CEILING/SPACE	<2" EMT COMPR. FTGS >2.5" IMC THREADED. FTGS	2" EMT COMPR. FTGS >2.5" IMC THREADED. FTGS	EMT COMPR. FTGS
NON AIR HANDLING CEILING/SPACE	<2" EMT SET SCREW FTGS >2.5" IMC THREADED. FTGS	<2" EMT COMPR. FTGS >2.5" IMC THREADED. FTGS	EMT 1/2"- 2" SET SCREW FTGS 2.5"- 4" COMPR. FTGS
BELLOW GRADE			
INTERIOR	IMC THREADED FTGS OR SCHEDULE 40 OR 80 PVC	IMC THREADED FTGS	IMC THREADED FTGS SCHEDULE 40 OR 80 PVC
EXTERIOR	SCHEDULE 40 OR 80 PVC OR RMC THREADED FTGS	SCHEDULE 40 OR 80 PVC OR RMC THREADED FTGS	SCHEDULE 40 OR 80 PVC OR RMC THREADED FTGS

- W7. ALL CONDUITS PENETRATING THE FREEZER/COOLER BOX SHALL BE SEALED IN COMPLIANCE NEC SECTION 300 AND THE FREEZER/COOLER BOX MANUFACTURERS REQUIREMENTS.
- W8. PROVIDE THREE (3) 3/4" EMPTY CONDUITS FROM PANEL LP-1 UP TO THE CEILING SPACE AND CAP FOR FUTURE USE.

GROUNDING:

- G1. ALL BRANCH AND FEEDER CIRCUITS SHALL BE GROUNDED BY TWO METHODS. THE FIRST METHOD SHALL INCLUDE AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR CONTAINED WITHIN THE SAME CONDUIT AS THE PHASE CONDUCTORS AND SIZED PER NEC SECTION 250 REQUIREMENTS. THIS INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL HAVE ONE END PROPERLY TERMINATED AT THE EQUIPMENT GND BUS IN THE CORRESPONDING CIRCUIT BREAKER PANEL AND THE OTHER END TERMINATED AT THE GROUNDED CONTACT OF A GROUNDING RECEPTACLE AND TO THE JUNCTION BOX OR TO AN EQUIPMENT CABINET, AS APPLICABLE. THE SECOND METHOD PROVIDES EQUIPMENT GROUNDING VIA METALLIC CONDUIT THAT IS CONNECTED AND TERMINATED IN FITTINGS LISTED FOR GROUNDING PER NEC SECTION 250 REQUIREMENTS. BOTH GROUNDING METHODS ARE REQUIRED IN A McDONALD'S RESTAURANT. ISOLATED GROUND SHALL BE INSTALLED WHERE INDICATED ON PLAN AND AS SHOWN IN POS ISOLATED GROUND/DEDICATED CIRCUIT DETAIL ON SHEET E4.2.
- G2. THE BUILDING GROUNDING SYSTEM SHALL COMPLY WITH NEC ARTICLE 250. McDONALD'S SPECIFICATIONS, AND SHEET E4.2 CAUTION, IS A SAFETY HAZARD AND AN NEC VIOLATION TO HAVE A NEUTRAL TO GROUND CONNECTION BEYOND THE MAIN ELECTRICAL DISCONNECT MEANS. McDONALD'S GROUNDING STANDARDS PURPOSELY EXCEED THOSE GIVEN BY THE NEC. THE EC SHALL PROVIDE A BUILDING GROUNDING SYSTEM MEETING NEC SECTION 250 REQUIREMENTS AS WELL AS McDONALD'S STANDARDS.
- G3. EC SHALL REFER TO "POS ISOLATED GROUND/DEDICATED CIRCUIT DETAIL, SHEET E4.2, FOR REQUIRED WIRING REQUIREMENTS OF COMPUTER PANEL CP.
- G4. METAL RACEWAYS CONTAINING A GROUNDING ELECTRODE CONDUCTOR SHALL BE BONDED AT BOTH ENDS AS REQUIRED BY NEC SECTION 250 REQUIREMENTS.

TEMPERATURE CONTROLS:

- T1. REMOTE TEMPERATURE SENSORS: EC SHALL PROVIDE 1/2" CONDUIT FROM JUNCTION BOX ABOVE CEILING DOWN TO SENSOR MOUNTED AT 4'-0" TO 4'-6" AFF.
- T2. SEE DETAIL ON SHEET M3.0. FOR SENSOR MOUNTING DETAIL. LOCATION OF WALL MOUNTED TEMPERATURE SENSORS ARE SHOWN ON SHEET M1.2 AND E2.0.
- T3. WHEN WIRING FOR PROGRAMMABLE THERMOSTATS AND REMOTE SENSORS IS NOT IN A CONDUIT, THE WIRING SHALL BE RUN TO THE UNDERSIDE OF THE ROOF DECK. NONE OF THE WIRING SHALL BE ROUTED OVER FLUORESCENT BALASTS, POWER BOXES OR IN A CONDUIT WITH LINE VOLTAGE WIRING AS ELECTRICAL INTERFERENCE (NOISE) WILL CAUSE ERRATIC CONTROL OPERATION. ALL THERMOSTATS SHALL BE MOUNTED 4'-0" AFF.

FLAT PANEL TELEVISIONS:

- TV1. EC SHALL PROVIDE A DUPLEX RECEPTACLE AND A LOW VOLTAGE BROADBAND CONNECTION FOR THE INSTALLATION OF FLAT PANEL TELEVISIONS. COORDINATE EXACT LOCATIONS WITH DECOR COMPANY. FOR BROADBAND CONNECTION, EC SHALL PROVIDE A 4 X 4 BOX WITH A 3/4" CONDUIT STUB-UP WITH A BUSHING INTO ACCESSIBLE CEILING SPACE.

ELECTRICAL PANELS:

- E1. THE EC SHALL BE RESPONSIBLE FOR BALANCING THE LOADS ON ALL PANELS.
- E2. THE EC SHALL PROVIDE ELECTRICAL SERVICE TO THE EQUIPMENT MOUNTED BREAKER PANEL. SEE ELECTRICAL ROUGH-IN PLAN AND SCHEDULE FOR ALL REQUIREMENTS.
- E3. THE EC SHALL BE RESPONSIBLE FOR THE PROPER IDENTIFICATION AND LABELING OF ALL CIRCUIT BREAKERS. EACH PANEL SHALL BE PROVIDED WITH AN ACCURATE TYPEWRITTEN CIRCUIT DIRECTORY AT THE CONCLUSION OF THE PROJECT AND PRIOR TO RESTAURANT OPENING.

SECURITY AND DRIVE-THRU CAMERAS:

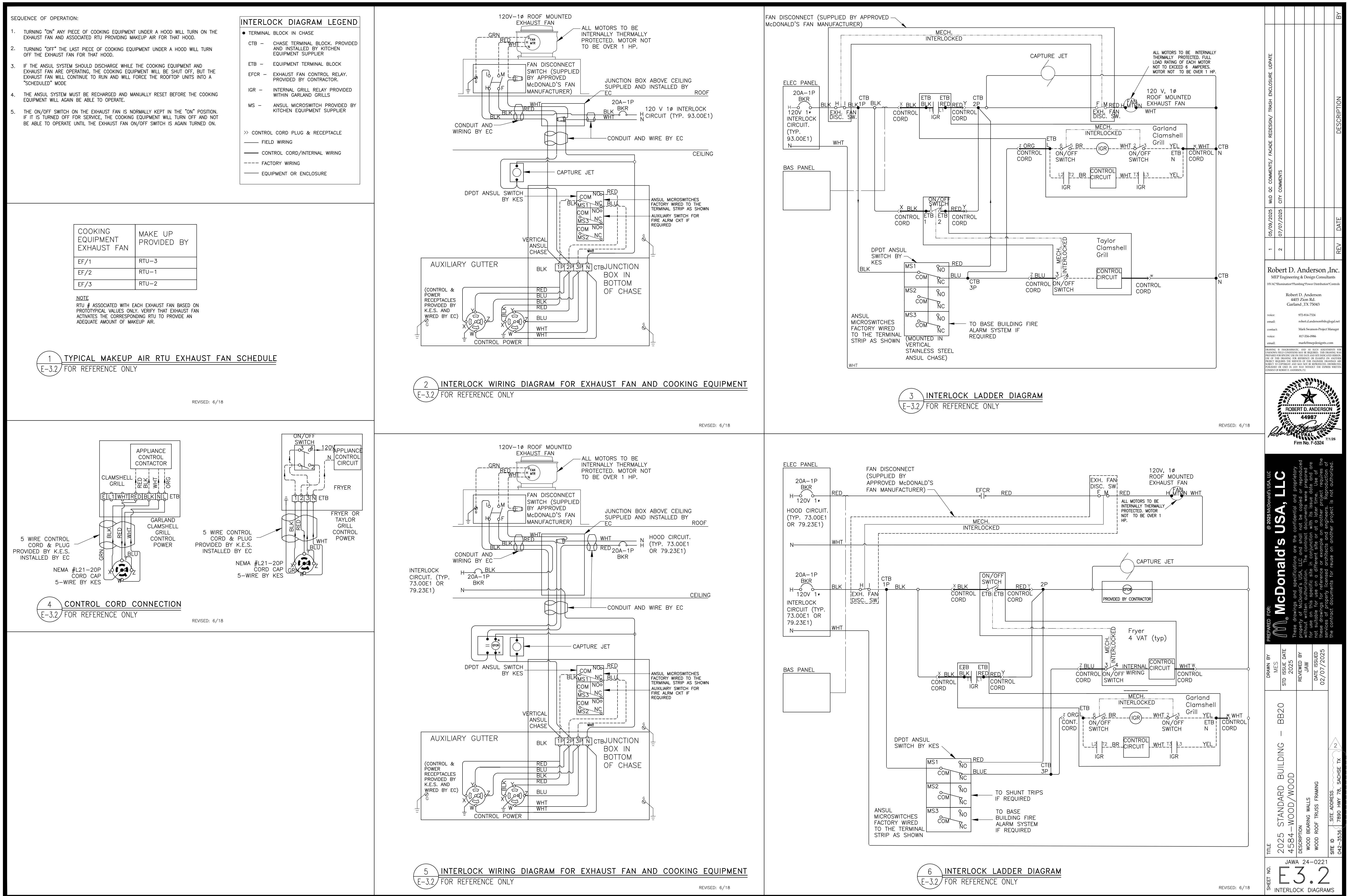
- S1. EC TO PROVIDE ELECTRICAL POWER AND COMMUNICATION CONDUITS FOR BUILDING MOUNTED SECURITY AND DRIVE THRU CAMERAS. COORDINATE FINAL LOCATIONS WITH SECURITY AND DRIVE THRU CAMERA INSTALLERS.

LIGHTING:

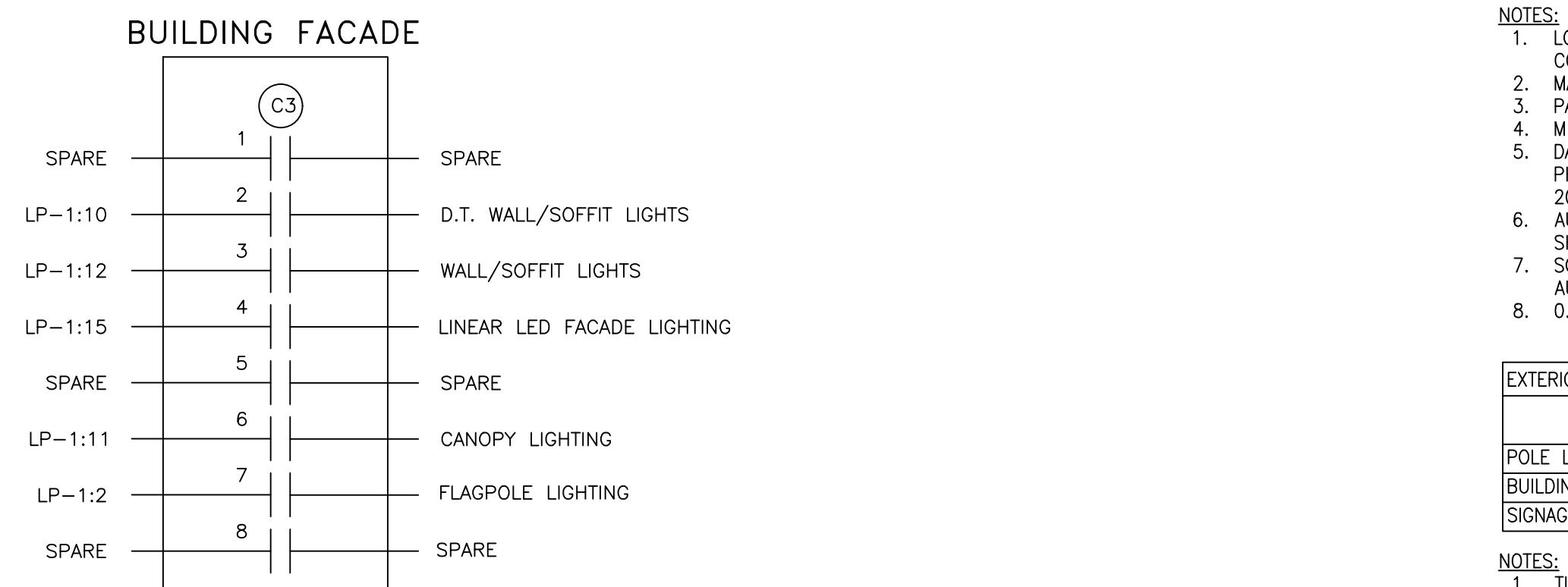
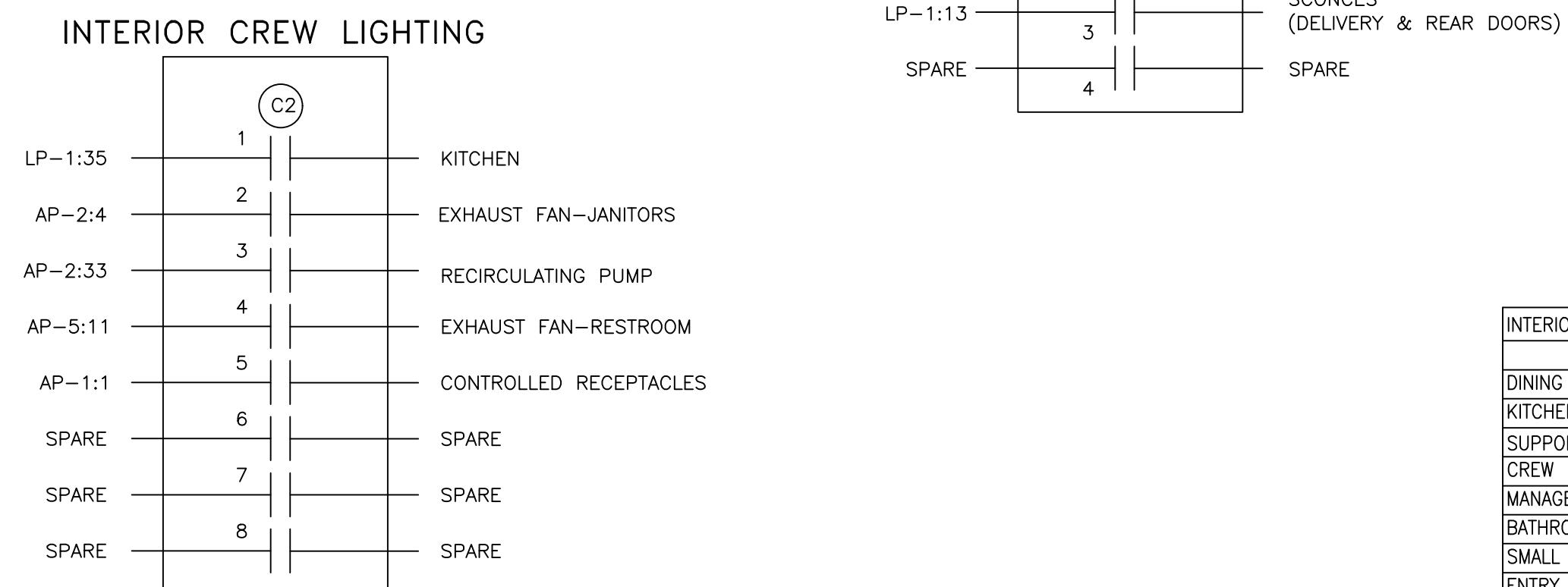
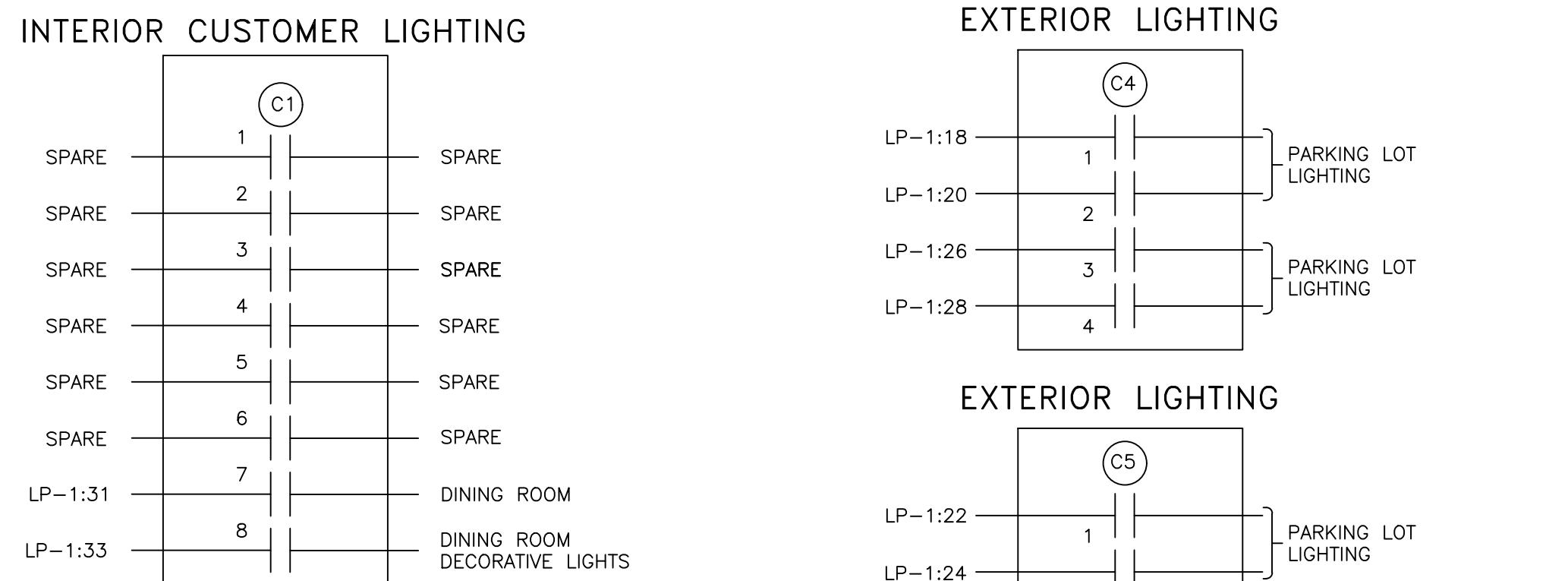
- L1. PROVIDE A WEATHERPROOF JUNCTION BOX IN PARAPET FOR FASCIA SIGN. FINAL CONNECTION BY OTHERS.
- L2. COORDINATE THE LOCATION OF JUNCTION BOX (IN THE WALL) WITH THE OPENING IN TRELLIS (FOR THE LIGHT FIXTURE WIRES). THE LOCATION OF THE JUNCTION BOX AND THE OPENING IN THE TRELLIS SHALL BE ADVISED FOR THE LIGHT FIXTURE TO BE INSTALLED PROPERLY. COORDINATE INSTALLATION OF JUNCTION BOX AND ANY NECESSARY SWINGS IN TRELLIS WITH GC AND TRELLIS/CANOPY MANUFACTURER. SEE LIGHT FIXTURE INSTALLATION INSTRUCTIONS FOR REQUIREMENTS REGARDING MOUNTING BRACKETS FOR USE IN C-CHANNEL TRELLISES.
- L3. EC SHALL VERIFY THAT LIGHT FIXTURES DO NOT OBSTRUCT OR CONFLICT WITH THE WORK OF OTHER TRADES. IF A DISCREPANCY IS FOUND, THE EC SHALL IMMEDIATELY NOTIFY THE GC BEFORE THE INSTALLATION OF SUCH FIXTURE(S). EC SHALL COORDINATE LOCATIONS OF ALL LIGHT FIXTURES IN DINING AREA WITH FINAL SEALING AND DECOR PLANS.
- L4. IF PC-POS CASH REGISTER SYSTEM IS INSTALLED, EC SHALL RELOCATE FIXTURES ABOVE FRONT COUNTER TO AVOID GLARE ON THE CASH REGISTER SCREENS. EC SHALL INSTALL CABLE WHIP TO FIXTURES SO THAT FIXTURE MAY BE RELOCATED FOUR FEET WITHOUT DISCONNECTING CABLE WHIP.
- L5. EC SHALL COORDINATE LOCATION OF ALL EXTERIOR LIGHTS TO AVOID INTERFERENCE WITH ANY CORBELS, TRUSSES, BEAMS OR OTHER SPECIAL EXTERIOR TREATMENTS. INSTALL LIGHT FIXTURES WITH CORRECT ORIENTATION PER MANUFACTURER'S INSTRUCTIONS.
- L6. THE USE OF INTERLOCK TYPE "MC" CABLE IN LENGTHS OF 6 FEET OR LESS (WHERE PERMITTED BY LOCAL CODES) SHALL BE ALLOWED FOR WIRING TO INTERIOR LIGHTING FIXTURES. "ROMEX" OR "BX" SHALL NOT BE USED.
- L7. EC SHALL VERIFY THAT NOT MORE THAN 3% VOLTAGE DROP EXISTS FROM THE LIGHTING PANEL TO ANY EXTERIOR LIGHTING FIXTURE OR SIGNAGE BALAST.
- L8. WHERE McDONALD'S RESTAURANT HAS A PLAYPLACE, THE EC SHALL COORDINATE EXACT LOCATION OF PLAYPLACE LIGHTING WITH PLAYPLACE TOY VENDOR FOR MAXIMUM ILLUMINATION AND SAFETY. PER THE FINAL LOCATION OF THE PLAYPLACE TOY, LIGHTING FIXTURES SHALL NOT BE MOUNTED TO THE TOY OR ANY PART OF THE TOY STRUCTURE.
- L9. EC SHALL VERIFY ALL TAP SETTINGS FOR H.I.D. LIGHTING FIXTURES AND MAKE ANY NECESSARY CORRECTIONS PRIOR TO INSTALLATION.

PREPARED FOR:	McDonald's USA, LLC		
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DRAWN BY:	MES	STD ISSUE DATE:	2025
REVIEWED BY:	JAW	DATE ISSUED:	02/07/2025
SHEET NO.:	2025 STANDARD BUILDING - BB20	DESCRIPTION:	WOOD/WOOD
SITE ID:	4584-5356	SITE ADDRESS:	780 Hwy 78, Sachse TX

JAWA 24-0221
E 3.1
NOTES & DETAILS
042-356



LIGHTING CONTROL SYSTEM



LIGHTING CONTROL NOTES:

LIGHTING CONTROL NOTES

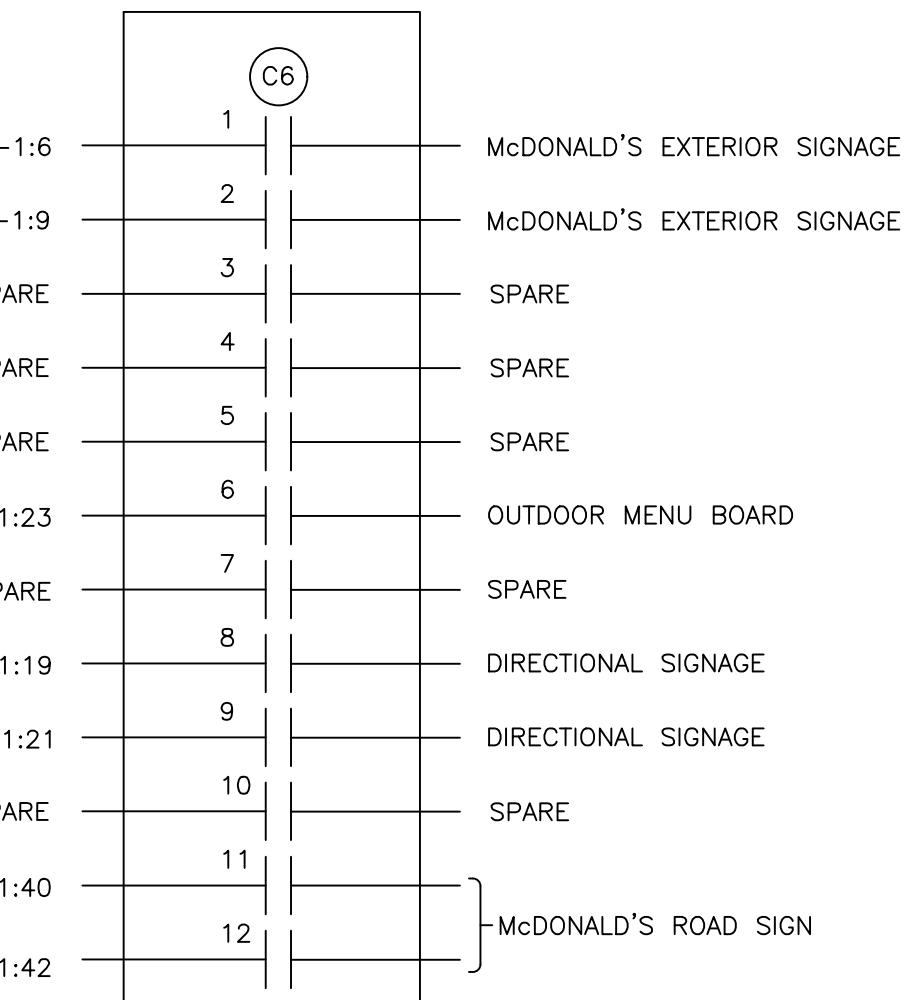
- LC1. CONTACTOR DETAILS ARE DIAGRAMMATIC ONLY AND ARE SHOWN WITH TYPICAL LOADS AND CIRCUIT ASSIGNMENTS. LOADS, CIRCUIT ASSIGNMENTS AND NUMBER OF CONTACTORS MAY VARY BY RESTAURANT LOCATION AND PER BAS SUPPLIERS SYSTEMS. VERIFY EXACT REQUIREMENTS WITH BAS INSTALLATION DETAILS, SITE PLANS, ELECTRICAL PANEL SCHEDULES AND ACM. EC SHALL MAKE ALL MODIFICATIONS AS REQUIRED. FINAL INSTALLATION SHALL BE FULLY NEC AND ENERGY CODE COMPLIANT.
- LC2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING, CONNECTIONS, TERMINATIONS, ETC. THAT ARE NOT PROVIDED BY THE BAS SUPPLIER FOR A COMPLETE, FULLY OPERATIONAL AND CODE COMPLIANT LIGHTING CONTROL SYSTEM.

LIGHTING CONTROL INSTALLATION OPTIONS

OPTION 1 (STANDARD) CONTACTORS AND CONTACTOR ENCLOSURE. FOR THIS LIGHTING CONTROL SYSTEM SHALL BE FURNISHED BY THE BAS SUPPLIER AND INSTALLED BY THE ELECTRICAL CONTRACTOR ON SITE FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

OPTION 2 (OPTIONAL) LIGHTING CONTROL CAN BE ACCOMPLISHED VIA UTILIZATION OF A SMART TYPE BREAKER PANEL REPLACING STANDARD PANEL LP-1. PANEL SHALL UTILIZE AN INTEGRAL MOTOR OPERATED CIRCUIT BREAKERS OR AN INTEGRAL CIRCUIT BREAKER/CONTACTOR TYPE COMBINATION DEVICE WITH AN INTEGRAL PROGRAMMING CONTROL MODULE AND SHALL BE ORDERED THROUGH OUR ELECTRICAL EQUIPMENT NATIONAL ACCOUNT PROGRAM (SQUARE-D) THROUGH OUR CONSTRUCTION PURCHASING TEAM.

EXTERIOR SIGNAGE



INTERIOR LIGHTING CONTROL SCHEDULE						
	LOCAL CONTROL	MANUAL ON	PARTIAL ON	MULTI LEVEL	DAYLIGHTING	AUTO OFF
DINING	MANAGERS OFFICE		X		X	X
KITCHEN	MANAGERS OFFICE		X			X
SUPPORT/STOCK	X					X
CREW	X	X		X	X	X
MANAGER	X	X		X	X	X
BATHROOM						X
SMALL STORAGE	X	X			X	
ENTRY VESTIBULE						X

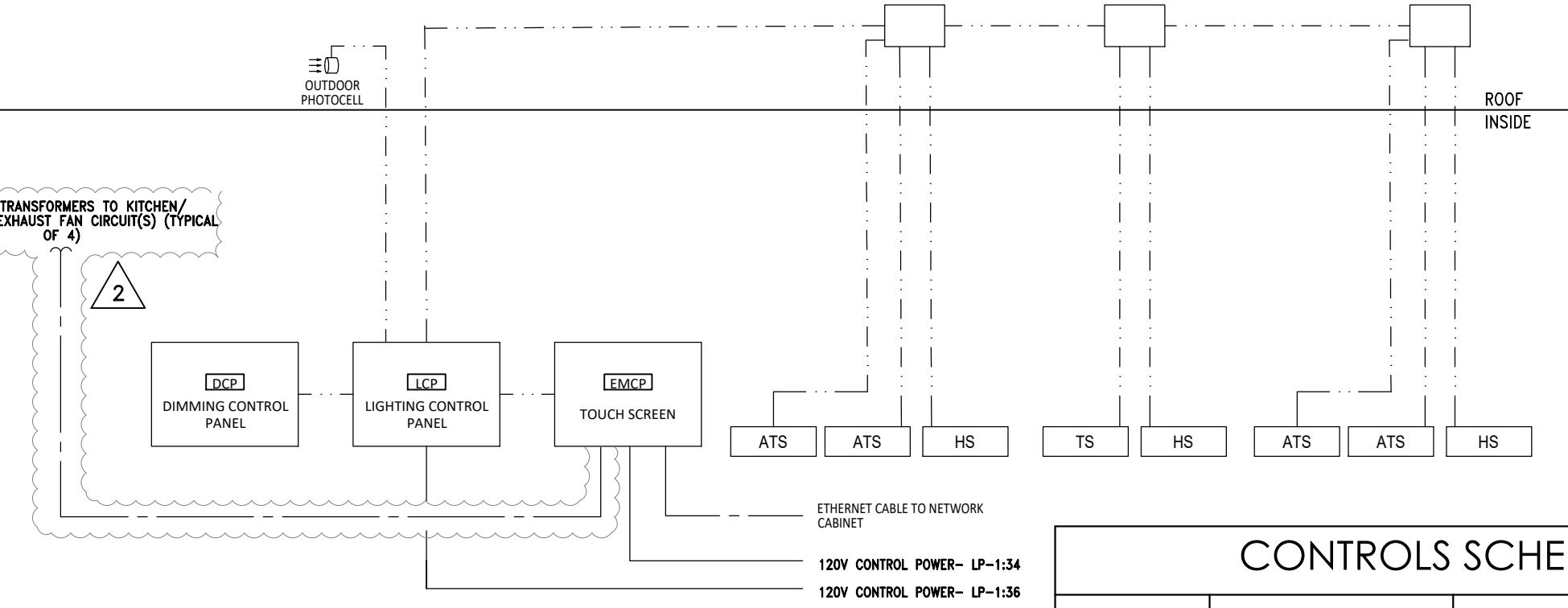
NOTES:			
1.	LOCAL CONTROL: MANUAL LIGHTING CONTROL THAT PROVIDES ON AND OFF CONTROL IN SPACE. REMOTE LOCATION CONTROL DEVICE MUST BE LABELED TO IDENTIFY CONTROLLED LIGHTING.		
2.	MANUAL ON: NONE OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON.		
3.	PARTIAL ON: 50% OF THE GENERAL LIGHTING SHALL BE AUTOMATICALLY TURNED ON.		
4.	MULTI LEVEL: GENERAL LIGHTING SHALL BE FITTED WITH A MANUAL CONTROLLED CONTINUOUS DIMMER.		
5.	DAYLIGHTING: REQUIRED WHEN PRIMARY AND SECONDARY ZONES CONTAIN 150W OF GENERAL LIGHTING. PHOTOCELL SHALL REDUCE LIGHTING IN RESPONSE TO AVAILABLE DAYLIGHT USING CONTINUOUS DIMMING TO 20% AND OFF.		
6.	AUTO OFF: ALL LIGHTING INCLUDING LIGHTING CONNECTED TO EMERGENCY CIRCUITS SHALL BE AUTOMATICALLY SHUT OFF WITHIN 20 MINUTES OF OCCUPANTS LEAVING THE SPACE.		
7.	SCHEDULE OFF: ALL LIGHTING, INCLUDING LIGHTING CONNECTED TO EMERGENCY CIRCUITS, SHALL BE AUTOMATICALLY SHUT OFF DURING PERIODS WHEN THE SPACE IS SCHEDULED TO BE UNOCCUPIED.		
8.	0.02W PER SQUARE FT OF BUILDING ALLOWED TO BE CONTINUOUSLY LIT.		

EXTERIOR LIGHTING CONTROL SCHEDULE		
	TIME CLOCK	PHOTOCELL
POLE LIGHTING	X	X
BUILDING MOUNT LIGHTING	X	X
SIGNAGE	X	X

NOTES:		
1.	TIME CLOCK: LIGHTING SHALL BE AUTOMATICALLY SHUT OFF BETWEEN BUSINESS CLOSING (OP MIDNIGHT) AND BUSINESS OPENING (OP 6AM) WHICHEVER PROVIDES THE SHORTEST OFF DURATION.	
2.	PHOTOCELL: LIGHTING SHALL BE AUTOMATICALLY TURNED OFF WHEN SUFFICIENT DAYLIGHT IS AVAILABLE.	
3.	OCCUPANCY SENSOR: LIGHTING SHALL AUTOMATICALLY REDUCE THE CONNECTED LIGHTING POWER BY 50% WHEN NO ACTIVITY HAS BEEN DETECTED IN AREA IN 15 MINUTES. NO MORE THAN 1500W OF LIGHTING PER CONTROL ZONE.	

BUILDING AUTOMATION SYSTEM

INSTALLATION & TECHNICAL ASSISTANCE INFORMATION:
LENNOX BAS: McD@CCBAC.com



PROVIDE AND INSTALL DATA OUTLET NEXT TO BAS PANEL. REMOTE COMMISSIONING IS NOT POSSIBLE WITHOUT DATA CONNECTION.
120V CONTROL POWER- LP-1:34
120V CONTROL POWER- LP-1:35

INSTALLATION NOTES:

1. PROVIDE, INSTALL AND SECURE ALL NECESSARY CABLE & CONDUIT PER BAS DRAWINGS AND SPECIFICATIONS.
2. MOUNT ALL BAS CONTROL ENCLOSURES.
3. PERFORM ALL LOW VOLTAGE TERMINATIONS.
4. ROUGH-IN, INSTALLATION AND WIRING FOR TEMPERATURE SENSORS AND TOUCHSCREEN PER PLAN LOCATIONS.
5. PROVIDE POWER CIRCUITS INTO CONTROL CANES PER BAS DETAILS.
6. COORDINATE WITH SUPPLIER TO SCHEDULE REMOTE COMMISSIONING.
7. CORRECT ALL PUNCH LIST ITEMS FOUND DURING REMOTE COMMISSIONING.

NOTES:

1. FOR TS, HS AND ATS LOCATIONS, REFER TO M1.2

CONTROLS SCHEDULE			
MARK	DESCRIPTION	MANUFACTURER	MODEL
TS	TEMPERATURE SENSOR	* PROVIDED WITH BAS	
ATS	AVERAGING TEMPERATURE SENSOR	* PROVIDED WITH BAS	
HS	HUMIDITY SENSOR	* PROVIDED WITH BAS	

WIRE LEGEND	
MARK	WIRE/CABLE TYPE
— — —	CAT 5E
— — — —	18 AWG CONDUCTORS

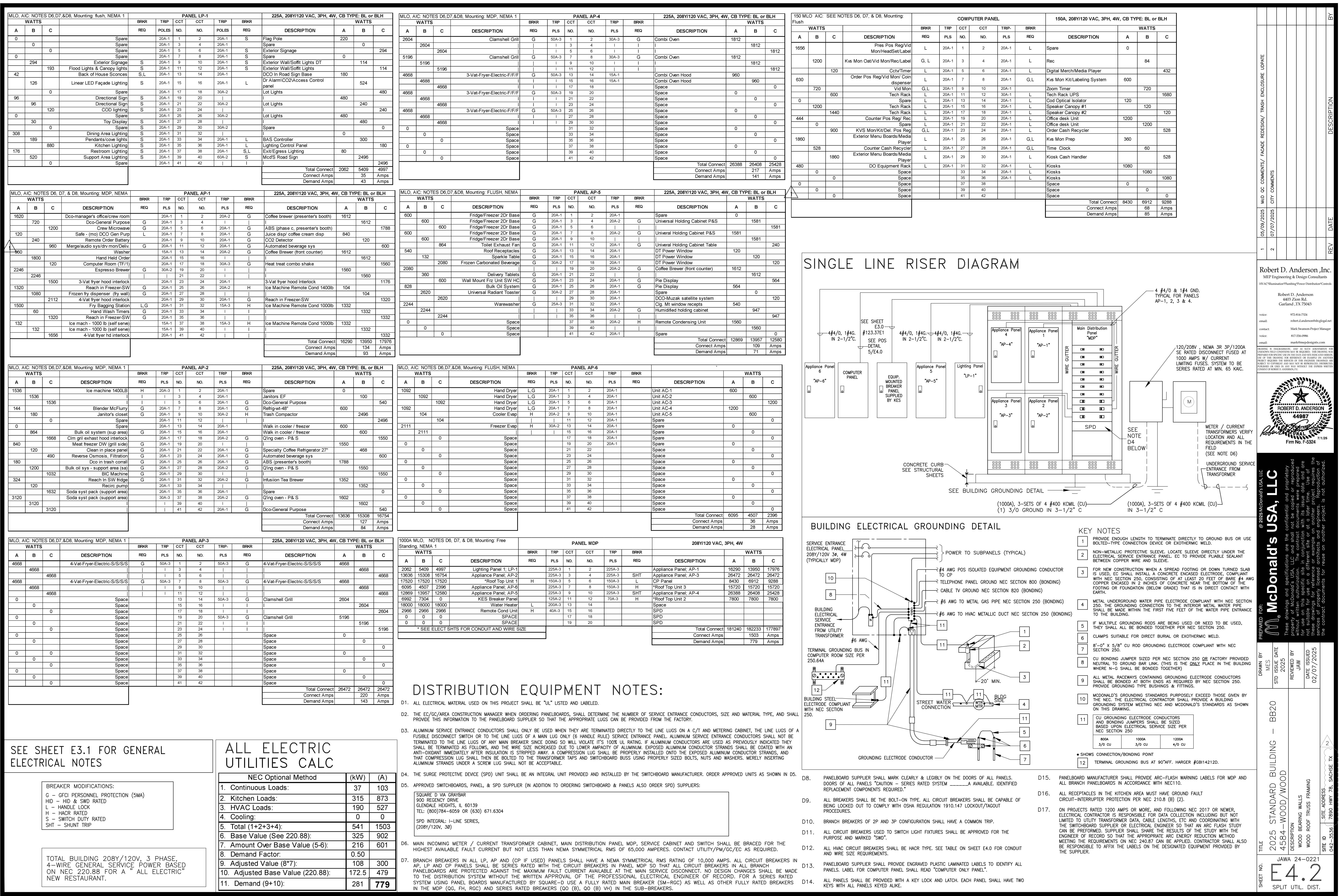
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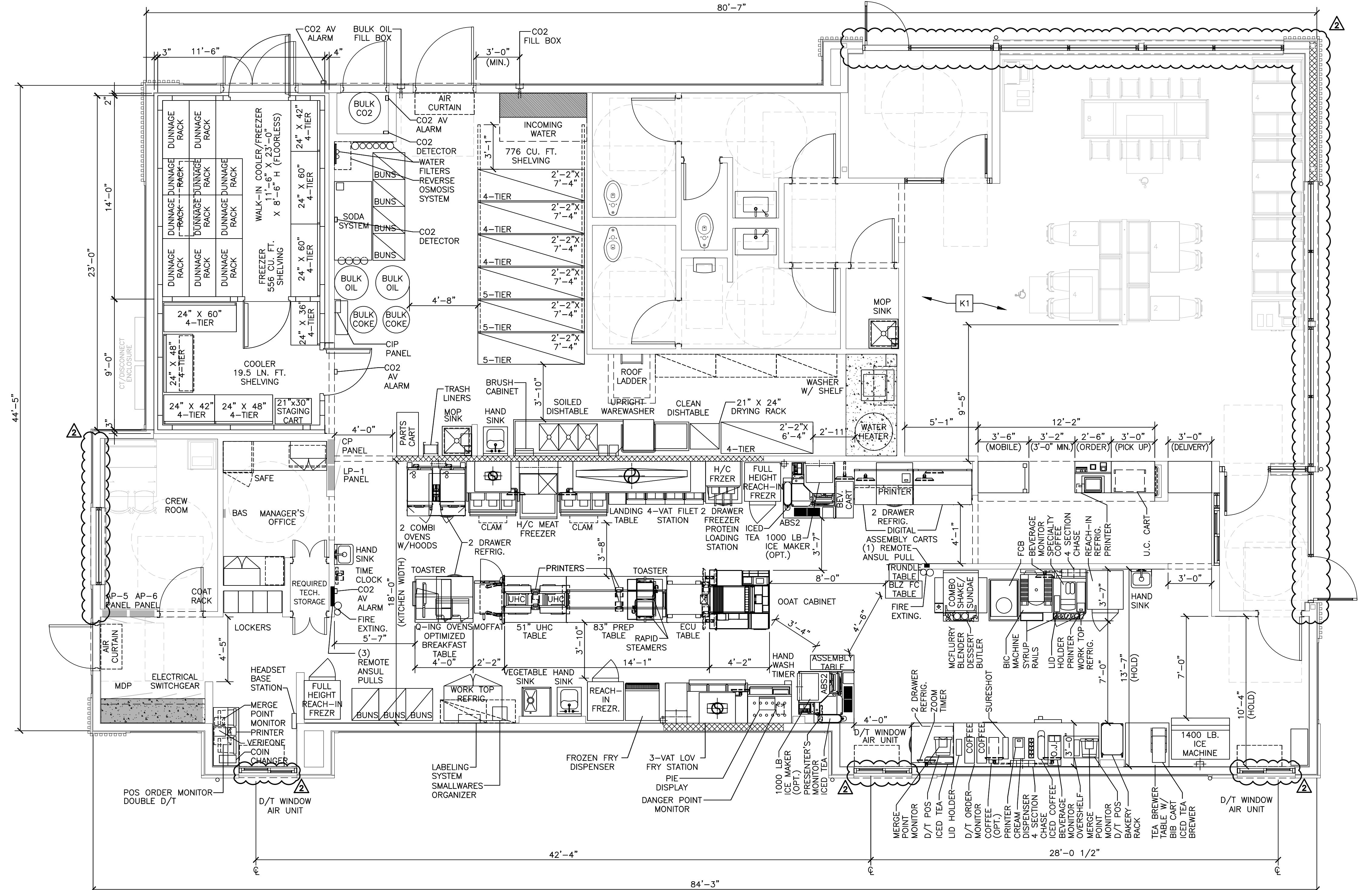
McDonald's USA, LLC	
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PREPARED FOR:	
DRAWN BY:	
STD ISSUE DATE:	2025
REV'D BY:	JAW
DATE ISSUED:	02/07/2025
SHEET NO.:	4
TITLE:	2025 STANDARD BUILDING - BB20
DESCRIPTION:	4584-WOOD/WOOD
SITE ID:	402-356
SITE ADDRESS:	780 HWY 78, SACHEL TX
BY:	

FIRM NO. 5-3242

ROBERT D. ANDERSON
4491
FIRM NO. 5-3242

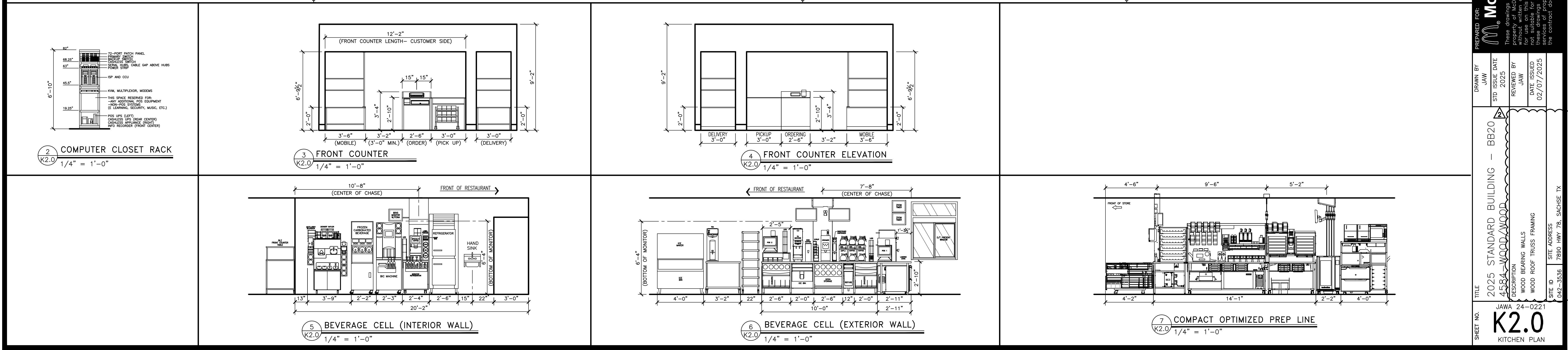
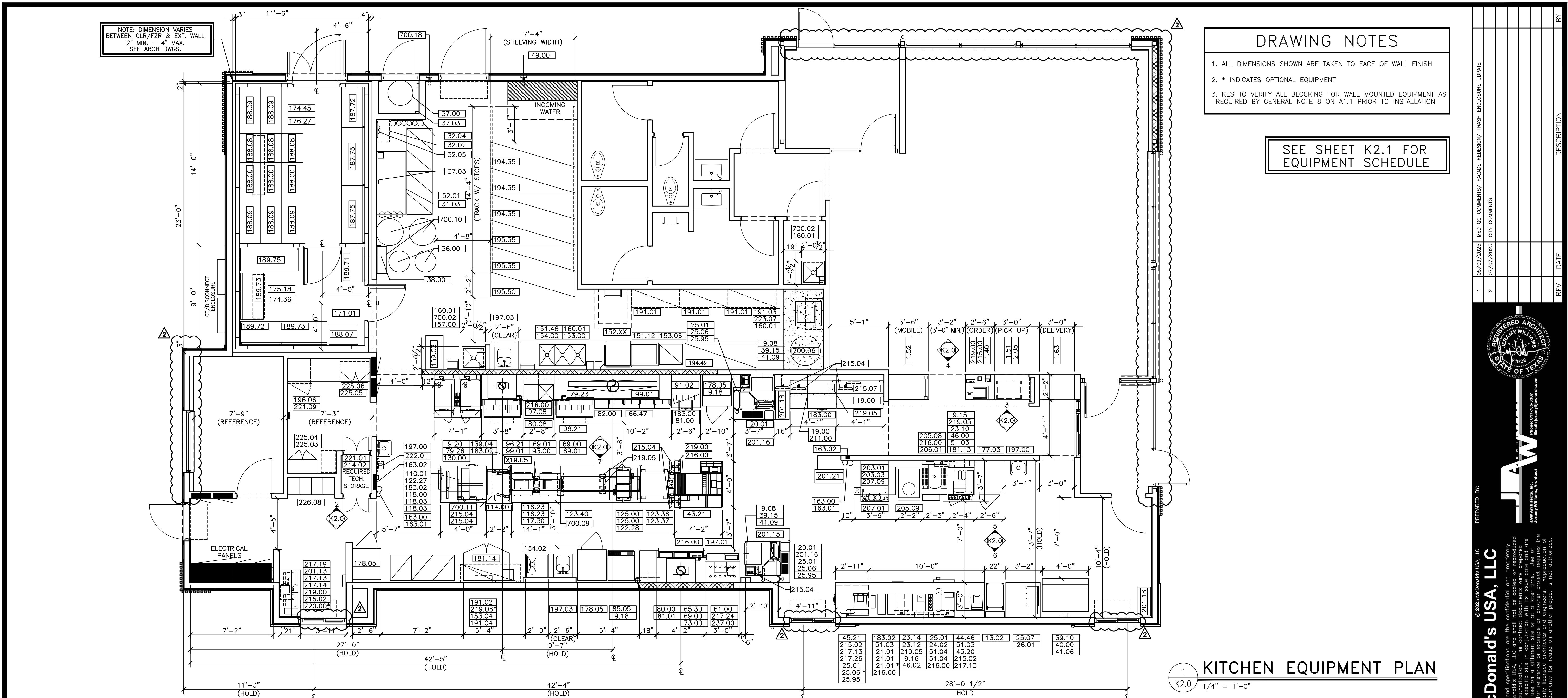
7/1/25





SHEET NO.	TITLE	DRAWN BY	PREPARED BY:
4584	2025 STANDARD BUILDING - BB20	JAW	@2025 McDonald's USA, LLC
WOOD/WOOD	STD ISSUE DATE	2025	McDonald's USA, LLC
WOOD BEARING WALLS	REVIEWED BY	JAW	These drawings and specifications are the confidential and proprietary
WOOD ROOF TRUSS FRAMING	DATE ISSUED	02/07/2025	property of McDonald's USA, LLC and shall not be copied or reproduced
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1	05/09/2025	MC QC COMMENTS/ FAÇADE REDESIGN/ TRASH ENCLOSURE UPDATE
2	07/07/2025	CITY COMMENTS
		REGISTERED ARCHITECT STATE OF TEXAS
		AMY WILLIAMS, Architect
		Phone: 817-705-3387 Email: amywilliams@jaw.com



EQUIPMENT SCHEDULE										EQUIPMENT SCHEDULE											
X	O	QTY	DESCRIPTION	MANUFACTURER	MODEL #	UL	NSF	FURNISHED	GENERAL REMARKS	SPECIAL REQUIREMENTS	X	O	QTY	DESCRIPTION	MANUFACTURER	MODEL #	UL	NSF	FURNISHED	GENERAL REMARKS	SPECIAL REQUIREMENTS
1.40	1	1	SERVICE POD - 30"	DECOR	SEE PLAN	-	2	GC	-		183.00	2	REFRIGERATOR/FREEZER - 2 DRAWER BASE - 30" W X 33" H	KES	18012498	SA4044	7	KES	-		
1.51	1	1	PICKUP POD - 36"	DECOR	SEE PLAN	-	2	GC	-		183.02	3	REFRIGERATOR/FREEZER - 2 DRAWER BASE - 30" W X 30" H	KES	18012304	SA4044	7	KES	-		
1.52	1	1	PICKUP POD - 42"	DECOR	SEE PLAN	-	2	GC	-		187.72	1	FREEZER SHELVING 24" x 42" x 74" H. -	ISS SHELVING	FSMSA742442E	-	2	KES	-		
1.63	1	1	McDELIVERY PICKUP COUNTER	DECOR	SEE PLAN	-	2	GC	-		187.75	2	FREEZER SHELVING 24" x 60" x 74" H. -	ISS SHELVING	FSMSA742460E	-	2	KES	-		
2.05	1	1	UNDER COUNTER CART - 24"W x 18"D FRONT COUNTER	INTERMETRO	UC18-DMS	-	2	KES	-		188.00	3	DUNNAGE RACK 22" x 36"	INTERMETRO	HP2236PD	-	2	KES	-		
9.08	2	1	UTILITY CHASE - ICE MAKER ON ABS VERSION	KES	5"x8"x23"	-	2	KES	CONCEALS WATER AND CONDENSING UNIT LINES		188.07	1	UNIVERSAL STAGING CART	ISS SHELVING	WST1384Y	-	2	KES	-		
9.15	1	1	UTILITY CHASE - FFDT INTERIOR WALL	KES	20"x5"x76"	-	2	KES	4 SECTION CHASE FOR BUYOUT RECEPTACLES, POS, CO2 AND WATER		188.08	3	DUNNAGE RACK 22" x 30"	INTERMETRO	HP2230PD	-	2	KES	-		
9.16	1	1	UTILITY CHASE - FFDT EXTERIOR WALL	KES	20"x5"x76"	-	2	KES	4 SECTION CHASE FOR BUYOUT RECEPTACLES, POS AND WATER		188.09	5	DUNNAGE RACK 22" x 48"	INTERMETRO	HP2248PD	-	2	KES	-		
9.18	2	1	UTILITY CHASE - WALL VERSION	KES	4"x4"x82"	-	2	KES	CHASE FOR BULK OIL LINES, MOUNT AT 2'-0"		189.71	1	COOLER SHELVING 24" x 36" x 74" H. -	ISS SHELVING	FSMSA742436E	-	2	KES	-		
9.20	1	1	UTILITY CHASE - COMBI CELL	KES	4"x8"x84"	-	2	KES	CHASE FOR BUYOUT RECEPTACLES AND WATER		189.72	1	COOLER SHELVING 24" x 42" x 74" H. -	ISS SHELVING	FSMSA742442E	-	2	KES	-		
13.02	1	1	BATTERY RACK	KRISPY KREME	18"x26"x65"	-	2	SUPPLIER	-		189.73	2	COOLER SHELVING 24" x 48" x 74" H. -	ISS SHELVING	FSMSA742448E	-	2	KES	-		
19.00	2	1	DIGITAL ASSEMBLY CART - 48"	INTERMETRO	MCDAAC-48	-	2	KES	-		189.75	1	COOLER SHELVING 24" x 60" x 74" H. -	ISS SHELVING	FSMSA742460E	-	2	KES	-		
20.01	2	1	AUTOMATED BEVERAGE SYSTEM 2.0	IMI CORNELIUS	621058590LON	-	-	KES	INSTALLATION KIT INCLUDES STAINLESS STEEL CHASE & DATA LINE		191.01	3	VALANCE SHELVING - 18" x 48"	INTERMETRO	M1848C-MP	-	2	KES	UNLESS OTHERWISE NOTED		
21.01	3	3	COFFEE BREWER (THERMAL POTS)	BUNN-O-MATIC	AXIOM-DV-3	E32066	4	KES	W/ELECTRONIC CONTROLLER FOR CONVERSION TO LOW OR HIGH VOLTAGE		191.02	1	VALANCE SHELVING - 18" x 60"	INTERMETRO	M1860C-MP	-	2	KES	UNLESS OTHERWISE NOTED		
23.10	1	1	ESPRESSO BREWER	FRANKE	FM850	-	4	KES	-		191.03	1	VALANCE SHELVING - 18" x 30"	INTERMETRO	M1830C-MP	-	2	KES	UNLESS OTHERWISE NOTED		
23.12	1	1	COFFEE CREAM DISPENSER	SURESHOT	AC110-PC-51	E217698	20	KES	-		191.04	1	VALANCE SHELVING - 18" x 36"	INTERMETRO	M1836C-MP	-	2	KES	UNLESS OTHERWISE NOTED		
23.14	1	1	SUGAR/SWEETENER DISPENSER	SURESHOT	AC2-GP-1-G38	E217698	18	KES	-		194.35	3	DRY SHELVING 26" x 88" x 84" H. - 4-TIER MOBILE	DENSTOR	-	-	2	KES	-		
24.02	1	1	JUICE DISPENSER	BUNN-O-MATIC	JDF-2S	-	18	KES	-		194.49	1	DRY SHELVING 26" x 76" x 84" H. - 4-TIER FIXED	DENSTOR	-	-	2	KES	-		
25.01	4	1	SLIMLINE ICED BEVERAGE DISPENSER	BUNN-O-MATIC	TDO-N	E32066	4	KES	KES TO VERIFY EXACT QUANTITY PER MARKET		195.35	2	DRY SHELVING 26" x 88" x 84" H. - 5-TIER MOBILE	DENSTOR	-	-	2	KES	-		
25.06	3	1	SLIMLINE ICED BEVERAGE DISPENSER - SHORT	BUNN-O-MATIC	TDO-N LP	E32066	4	KES	KES TO VERIFY EXACT QUANTITY PER MARKET		195.50	1	DRY SHELVING 26" x 88" x 84" H. - 5-TIER	DENSTOR	-	-	2	KES	-		
25.07	1	1	INFUSION TEA BREWER - MTC	BUNN-O-MATIC	ITCB-ED	E32066	4	KES	PROVIDED WITH BREWER, INSTALLATION KIT AND TDO-N BOOSTER		196.06	1	SAFE - STANDARD BLDG. - LEFT HINGE	NKL	BSD4125FGXL-MC	-	-	OWNER	-		
25.95	3	1	SLIMLINE ICED BEVERAGE DISPENSER - 2 TIER	KES	-	-	2	KES	-		197.00	2	STAINLESS STEEL HAND SINK	ADVANCE TABCO	7-PS-61	-	2	GC	REFER TO PLUMB. DWGS. FOR DETAILS, SOAP & TOWEL DISP. BY OTHERS	PROVIDE SIDE SPLASHES (7-PS-11) WHEN REQUIRED BY LOCAL CODE	
26.01	1	1	TEA BREWER TABLE - 36"X36"	ISS SHELVING	WST1758C	-	2	KES	-		197.01	1	HAND WASH TIMER	NATIONAL CONTROLS	TMD-T1715-120	E53595	-	KES	-		
31.03	1	1	SODA SYSTEM PACKAGE B.I.B. (RECIRCULATING - 3 TOWERS) - REMOTE	MULTIPLEX	50MR04	SA44632	18	KES	-		197.03	2	STAINLESS STEEL HAND SINK - ADA	ADVANCE TABCO	7-PS-26	-	2	GC	REFER TO PLUMB. DWGS. FOR DETAILS, SOAP & TOWEL DISP. BY OTHERS	PROVIDE SIDE SPLASHES (7-PS-11) WHEN REQUIRED BY LOCAL CODE	
32.02	1	1	REVERSE OSMOSIS WATER FILTRATION SYSTEM - TANKLESS	EVERPURE	MRS-600HE	-	-	KES	FOR COFFEE MAKER, ESPRESSO MACHINE, AND RAPID BUN STEAMER		201.13	1	DRIVE-THRU CASH STAND - 21" D x 48" W	INTERMETRO	DT48-8	-	2	KES	SOLID WORK TOP, WIRE SHELVES		
32.04	1	1	WATER FILTRATION SYSTEM	EVERPURE	EV9337-26	-	-	KES	-		201.15	1	READY NEXT DRIVE-THRU ASSEMBLY CART - 12" D x 36" W	INTERMETRO	DTIPC-36	-	2	KES	-		
32.05	1	1	WATER FILTRATION SYSTEM	EVERPURE	EV92972-24	-	-	KES	FOR COMBI OVENS AND STAGING CABINET		201.16	2	DRIVE-THRU ABS CART	KES	-	-	2	KES	ABS DRINK STAGING CART WITH TROUGH		
36.00	2	1	BULK COKE	CHART INDUSTRIES	10667511	-	18	MANUFACTURER	SYRUP LINES BY CHART INDUSTRIES		201.18	2	CBB STAGING CART	INTERMETRO	MCD-CBB	-	2	KES	-		
37.00	1	1	BULK CO2 - 750 LB.	CHART INDUSTRIES	CARB-MAX 750	-	-	MANUFACTURER	-		201.21	1	BLZ FRONT COUNTER TABLE - 30" D x 14" W	INTERMETRO	MCD1430-BLZM	-	2	KES	W/ CASTERS AND OVERSHELF		
37.03	2	1	CO2 SAFETY SYSTEM	SEE RMKS	-	-	KES	SEE MECHANICAL DRAWINGS	INCLUDES DETECTOR AND (4) AV ALARMS		203.01	1	HEAT TREAT COMBINATION SHAKES/SUNDAS	CARPIGANI	K3	SA4203	6	KES	SUPPLIED WITH CONE DISPENSER AND 7'-6" LONG CORD		
38.00	1	1	CLEAN IN PLACE PANEL	CHART INDUSTRIES	10667431	-	18	MANUFACTURER	MOUNT 6" W x 7" BOX @ 6"-0" AFF TO BOX CENTER LINE		203.03	2	CUP/CONE DISPENSER	KES	-	-	2	KES	-		
39.10	1	1	ICE MACHINE - 1400 LB.	MANITOWOC	IYT1500N3 / D970	SA4027	12	KES	SEE HEADMASTER KIT K00221		205.08	1	BIG MACHINE	MULTIPLEX	MA-8-2	SA12070	6	KES	-		
39.15	2	1	ICE MACHINE - 1000 LB.	MANITOWOC	IBT1020C-161	SA4027	12	KES	CONDENSER: CVDT1200		205.09	1	FROZEN BEVERAGE DISPENSER	IMI CORNELIUS	VIFER 3	SA1228	6	KES	-		
40.00	1	1	ICE MACHINE CHASE	KES	4"x6"x48"	-	2	KES	CONCEALS WATER AND CONDENSING UNIT LINES		206.01	1	SPECIALTY BEVERAGE STANDOFF SHELF	KES	-	-	2	KES	MOUNT SHELF @ 2'-6" AFF		
41.06	1	1	ICE MACHINE REMOTE CONDENSER - 1400 LB.	MANITOWOC	JCT-1500	SA4027	12	KES	-		206.04	1	BLENDER - RAIL MOUNT - MCFLURRY	VITAMIX	056385	-	8	KES	SUPPLIED MOUNTING BRACKETS		
41.09	2	1	ICE MACHINE REMOTE CONDENSER - 1000 LB.	MANITOWOC	CVDT1200-263A	SA4027	12	KES	-		207.09	1	DESSERT BUTLER	KES	-	-	2	KES	-		
43.21	1	1	OPTIMIZED ORDER ASSEMBLY TABLE	KES	90001	E152097	2	KES	-		211.00	1	DELIVERY TABLET	APPLE	iPAD	-	-	OWNER	QUANTITY DEPENDENT UPON NUMBER OF DELIVERY PARTNERS		
44.46	1	1	SMALL RISER SHELF - 18" TO 30"	FRANKE	18006010	-	2	KES	-		214.02	1	TECHNOLOGY RACK	BY OWNER	OEM	-	-	OWNER	BY OWNER OEM	BY OWNER OEM	
45.20	1	1	MODULAR BEVERAGE CABINET - 10"-0"	KES	-	-	2	KES	-		215.00	1	POS REGISTER - FRONT COUNTER	BY OWNER	OEM	-	-	OWNER	BY OWNER OEM	BY	