

4584-WW PLAN

32 SEATS (2 ACCESSIBLE SEATS)



OCCUPANCY ALLOWANCE:

2018 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	150 SF	30
BUSINESS AREAS	150 GROSS	64 SF	1
KITCHEN, COMMERCIAL (OCCUPANT LOAD FOR FULL STAFF)	200 GROSS	1,215	7
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—	—	—	—
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—	—	—	—
TOTAL OCCUPANCY ALLOWANCE		72	

2024 4584-WW BUILDING BB20

DALLAS FIELD OFFICE

BUILDING INFORMATION:

ADDRESS:

STATE SITE CODE: 042-3527
STREET ADDRESS: NEAR SEC OF EAST BROAD STREET & US HWY 287
CITY: MANSFIELD
COUNTY: TARRANT
STATE: TEXAS

STRUCTURE:

WOOD LOAD BEARING WALLS, WOOD ROOF FRAMING

UTILITIES:

ELECTRIC GRILLS & ELECTRIC FRYERS
GAS HVAC & GAS WATER HEATER

BUILDING CODE:

BUILDING CODE EDITION: 2018 INTERNATIONAL BUILDING CODE
MECHANICAL CODE EDITION: 2018 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE EDITION: 2017 NFPA 70 NATIONAL ELECTRICAL CODE
PLUMBING CODE EDITION: 2018 INTERNATIONAL PLUMBING CODE
ENERGY CODE EDITION: 2018 INTERNATIONAL ENERGY CONSERVATION CODE
FIRE/LIFE SAFETY CODE EDITION: 2018 INTERNATIONAL FIRE CODE
FUEL/GAS CODE EDITION: 2018 INTERNATIONAL FUEL GAS CODE
HEALTH CODE EDITION: TARRANT COUNTY HEALTH CODE
ACCESSIBILITY CODE EDITION: 2012 TEXAS ACCESSIBILITY STANDARDS

BUILDING DATA:

OCCUPANCY: USE GROUP A2
CONSTRUCTION TYPE: VB
NUMBER OF STORIES: 1
BUILDING HEIGHT: 23'-5 1/2" (MAIN BLDG. PARAPET)

GROSS BUILDING AREA: 3,918 GROSS S.F.
BUILDING AREA: 3,614 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 X NO
X YES 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:	Patrick Piehl	patrick.piehl@mcd.com	Contact Architect
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REVISIONS

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GN1.1 General Notes

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KITCHEN EQUIPMENT

K1.0 Kitchen Cover Sheet
K2.0 Kitchen Equipment Plan
K2.1 Kitchen Equipment Schedule

PREPARED BY:		DRAWN BY:	
JAW Architects, Inc.		JAW	
REGISTERED ARCHITECT JEREMY WILLIAMS, S.E.		REVIEWED BY:	
JEREMY WILLIAMS, S.E.		JAW	
DATE ISSUED:		STD ISSUE DATE:	
05/28/2024		05/20/2024	
SHEET NO.:		TITLE:	
GN1.0		2024 STANDARD BUILDING - BB20	
COVER		4584-WW/WOOD	
DESCRIPTION:		WOOD BEARING WALLS W/4" BRICK VENEER	
STUDS/FRAMING:		STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES	
SITE ID:		NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS	
BY:		JAWA 24-0018	

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 FINISH 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.

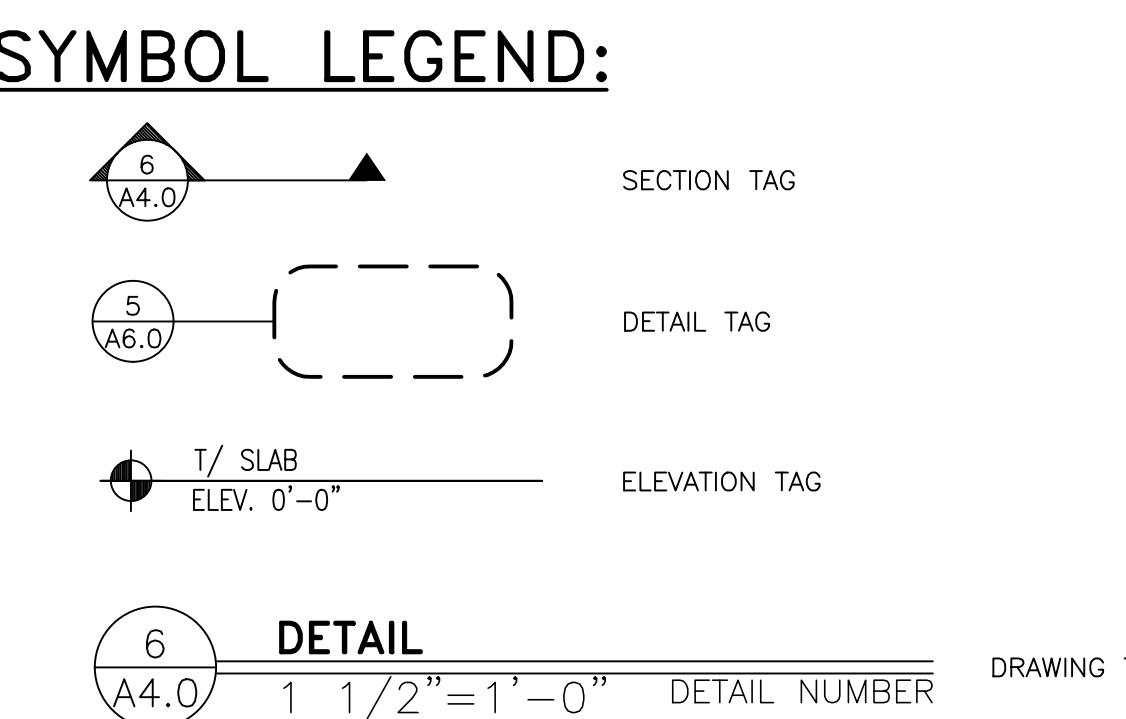
ABBREVIATIONS

GENERAL ABBREVIATIONS

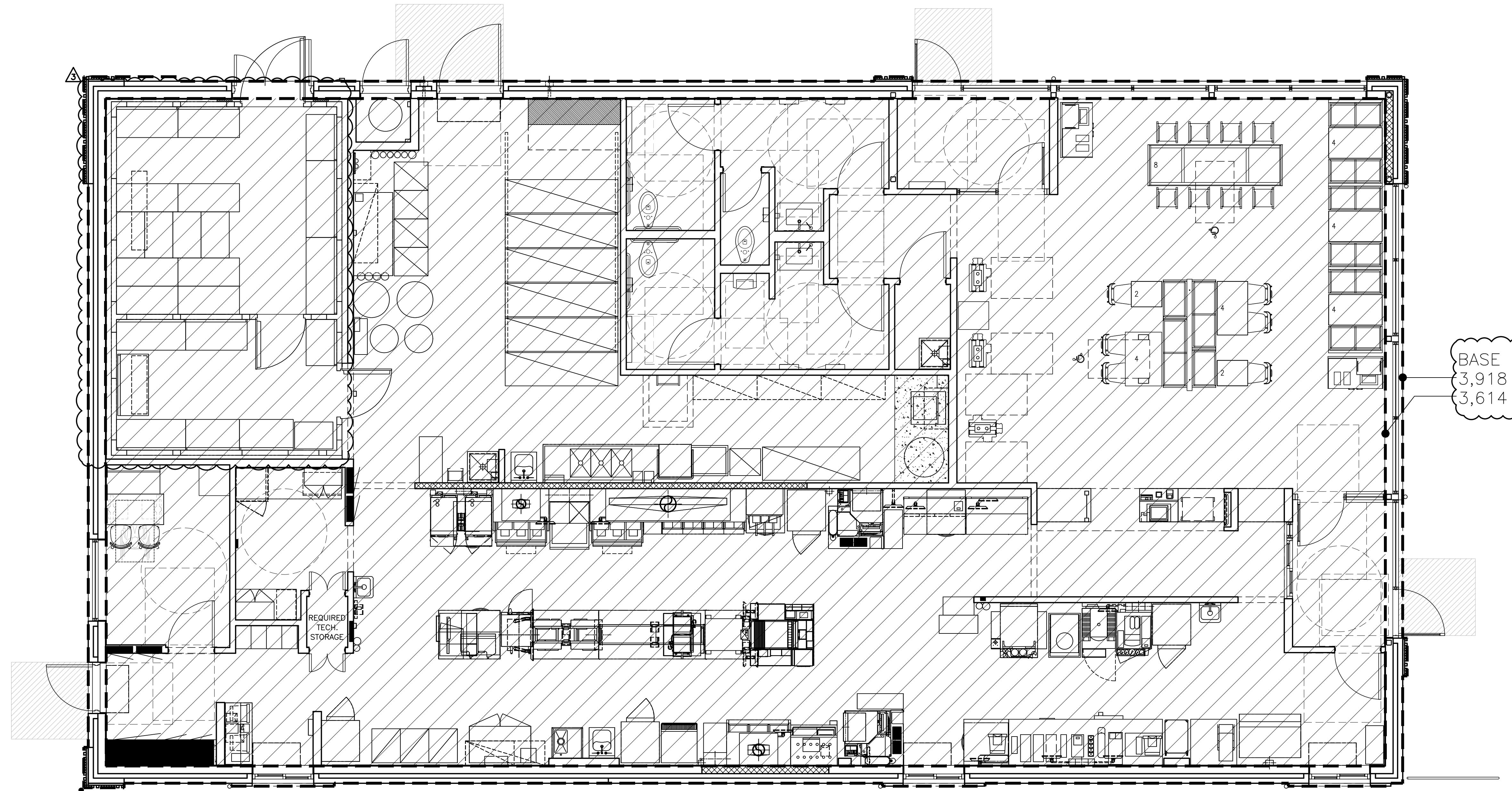
A	ANNEALED	INSUL.	INSULATION
AC	AIR CONDITIONING	MAX	MAXIMUM
ACT	ACOUSTIC CEILING TILE	MECH	MECHANICAL
AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURER
AHU	AIR HANDLING UNIT	MIN	MINIMUM
AL	ALUMINUM	MO	MASONRY OPENING
ASPH	ASPHALT	MR	MOISTURE RESISTANT
CJ	CONTROL JOINT	MTL	METAL
CLNG	CEILING	NA	NOT APPLICABLE
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	CEMENT 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
CALV	CALVANIZED	TYP	TYPICAL
GYP BD	GYPSUM BOARD	UNO	UNLESS NOTED OTHERWISE
HD	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	DECOR ELEMENT OR FINISH	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	ROOM
F/C	FREEZER/COOLER	S	MCDONALD'S SIGNAGE
GC	GENERAL CONTRACTOR	SCHLUTER	SCHLUTER
HP	HIGH POINT	UN	ALUMINUM CANOPY underscore
KIOSK	KIOSK		
L	LIGHT FIXTURE		



GENERAL NOTES		GENERAL NOTES	
ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	McDonald's USA, LLC	1	McDonald's USA, LLC
2	McDonald's USA, LLC	2	McDonald's USA, LLC
3	McDonald's USA, LLC	3	McDonald's USA, LLC
4	McDonald's USA, LLC	4	McDonald's USA, LLC
5	McDonald's USA, LLC	5	McDonald's USA, LLC
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97	McDonald's USA, LLC	97	McDonald's USA, LLC
98	McDonald's USA, LLC	98	McDonald's



McDonald's USA, LLC
SQUARE FOOTAGE PLAN
R1.0 1/4"=1'-0"

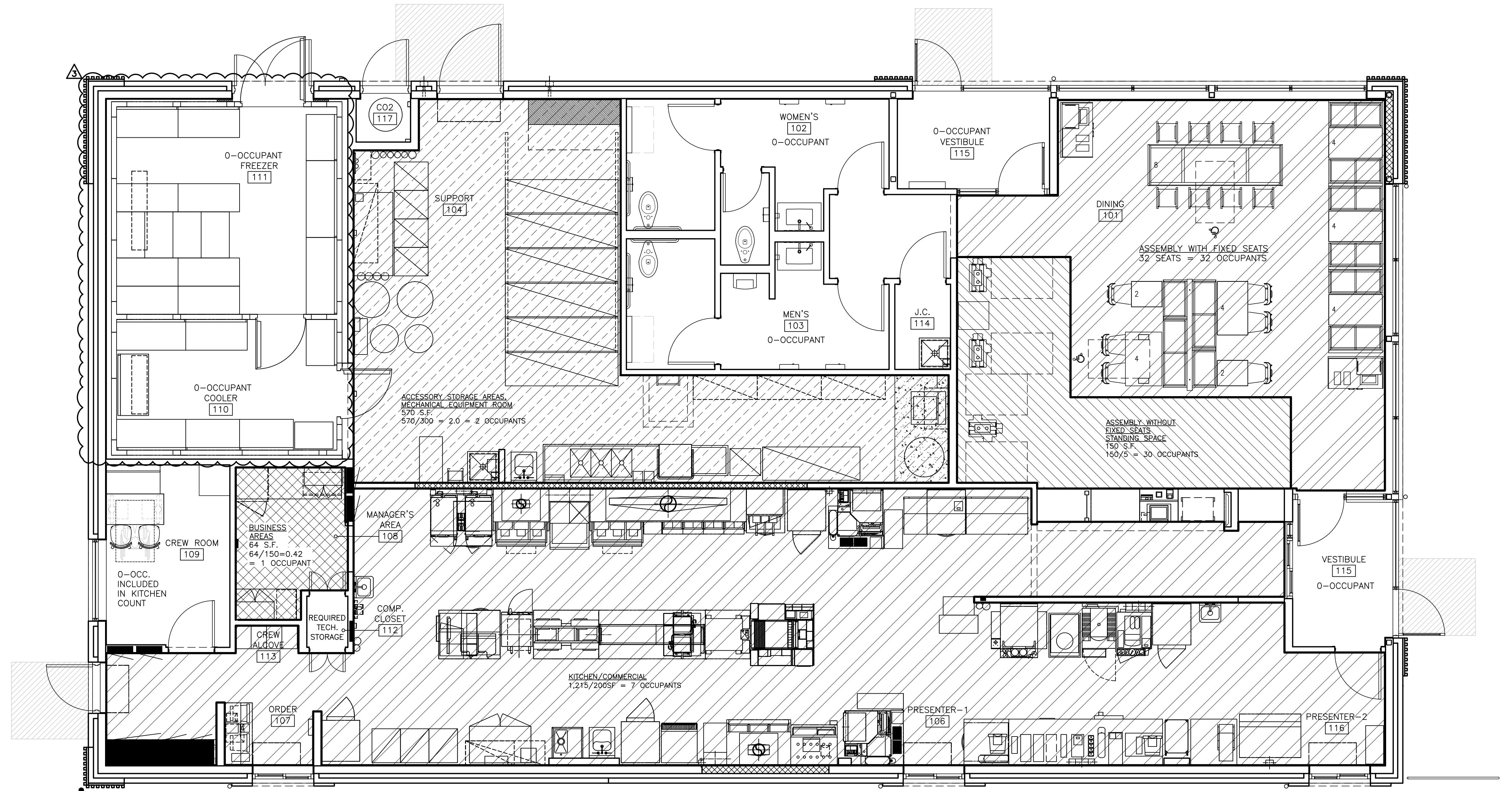
TITLE		2024 STANDARD BUILDING — BB20
4584—WOOD/WOOD		STD ISSUE DATE
2024		
DESCRIPTION		WOOD BEARING WALLS W/4" BRICK VENEER WOOD ROOF TRUSSES FRAMING STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES
SHEET NO.	JAWA 24-0018	
SITE ID	042-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS	
R1.0 SQUARE FOOTAGE		

PREPARED BY:
 JAWA Architects, Inc.
Amy Williams, Architect

REGISTERED ARCHITECT
AMY WILLIAMS, S.A.I.D., I.B.C.
STATE OF TEXAS
#126

REV	DATE	DESCRIPTION
1	09/20/2024	MCD OC AND CITY PLAN REVIEW COMMENTS
2	05/12/2025	CITY COMMENTS - BUILDING SIGNAGE LAYOUT - PROTO UPDATE
3	06/13/2025	BUILDING SQUARE-OFF & RTD UPDATE

BY



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

OCCUPANCY ALLOWANCE:

2018 INTERNATIONAL BUILDING CODE

TABLE 1004.5
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TOTAL OCCUPANCY ALLOWANCE		72		

McDonald's USA, LLC

PREPARED BY:

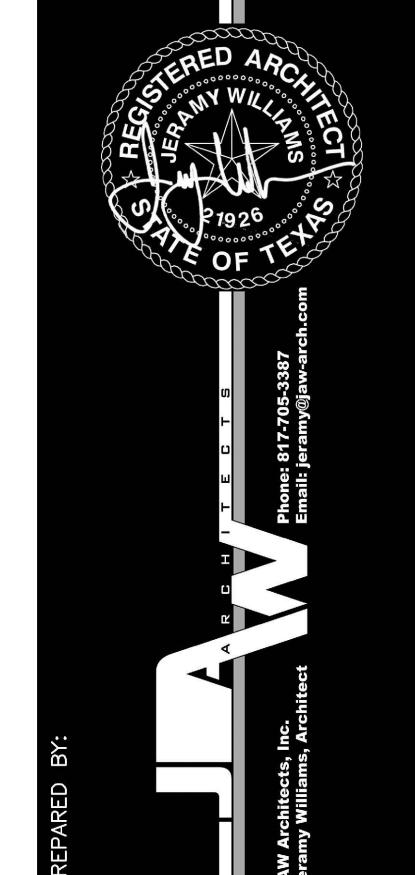
JAW

PREPARED FOR:

McDonald's USA, LLC

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REV	DATE	DESCRIPTION
1	05/20/2024	MCD OC AND CITY PLAN REVIEW COMMENTS
2	05/12/2025	CITY COMMENTS - BUILDING SIGNAGE LAYOUT - PROTO UPDATE
3	06/15/2025	BUILDING SQUARE-OFF & RTO UPDATE

BY

JAW

PREPARED BY:

JAW

STD ISSUE DATE:

2024

DRAWN BY:

JAW

REVIEWED BY:

JAW

DATE ISSUED:

05/28/2024

SHEET NO.:

R1.1

TITLE:

2024 STANDARD BUILDING - BB20

DESCRIPTION:

WOOD BEARING WALLS W/4" BRICK VENEER

WOOD ROOF TRUSS FRAMING

STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES

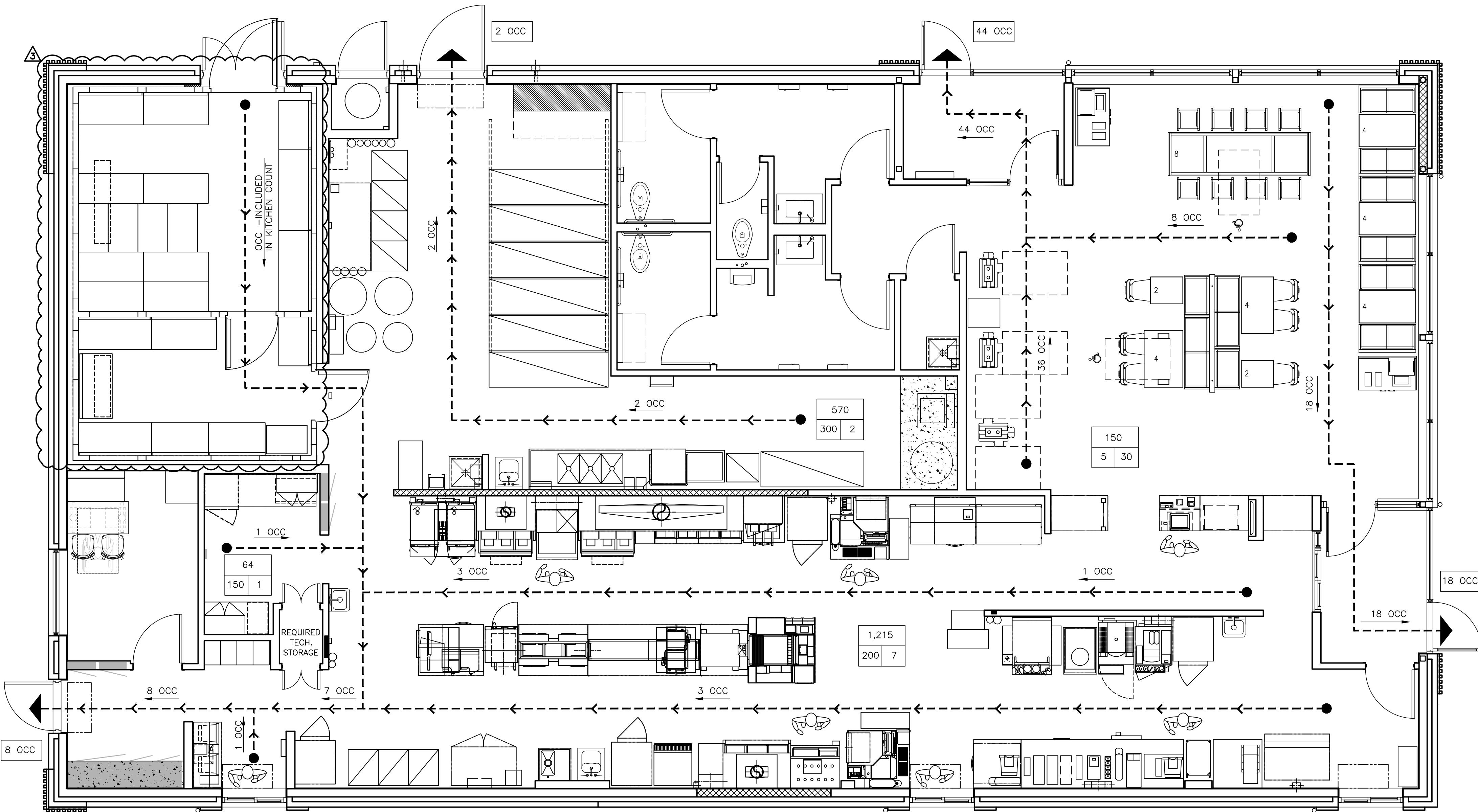
SITE ID:

042-3527

STREET ADDRESS:

NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS

JAWA 24-0018



1
R1.2 EXTINGUISHING PLAN
1/4" = 1'-0"

OCCUPANCY ALLOWANCE:

2018 INTERNATIONAL BUILDING CODE

TABLE 1004.5
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

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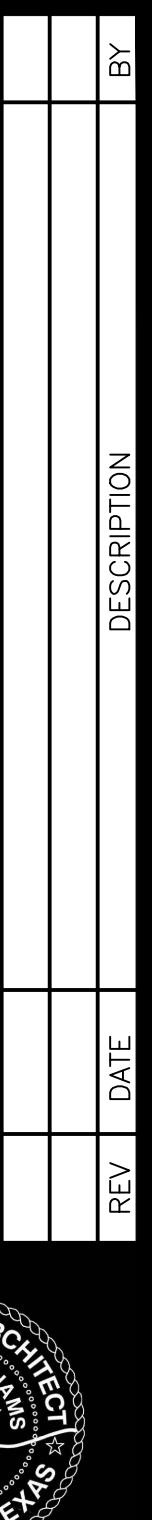
SHEET NO.	TITLE	DRAWN BY	PREPARED BY:
R1.2	2024 STANDARD BUILDING - BB20 4584-WOOD/WOOD	JAW	@2026 McDonald's USA, LLC McDonald's USA, LLC
	STD ISSUE DATE	2024	These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written permission. They are the sole property of McDonald's USA, LLC and are issued in confidence. These drawings are not suitable for use on a different site or at a later time. Use of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contact documents for reuse on another project is not authorized.
	REVIEWED BY	JAW	JAW Architects, Inc. Amy Williams, Architect
	DATE ISSUED	05/28/2024	
	DESCRIPTION	WOOD BEARING WALLS W/4" BRICK VENEER WOOD ROOF TRUSSES FRAMING STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES	
	SITE ID	042-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS	
	REV.	DATE	DESCRIPTION
	BY		

REGISTERED ARCHITECT
STATE OF TEXAS
FEB 26
AMY WILLIAMS
JAW Architects, Inc.
Amy Williams, Architect

R1.2
EXTINGUISHING PLAN
JAWA 24-0018

1 05/20/2024 MCD OC AND CITY PLAN REVIEW COMMENTS
2 05/12/2025 CITY COMMENTS - BUILDING SIGNAGE LAYOUT - PROTO UPDATE
3 05/15/2025 BUILDING SQUARE-OFF & RTD UPDATE

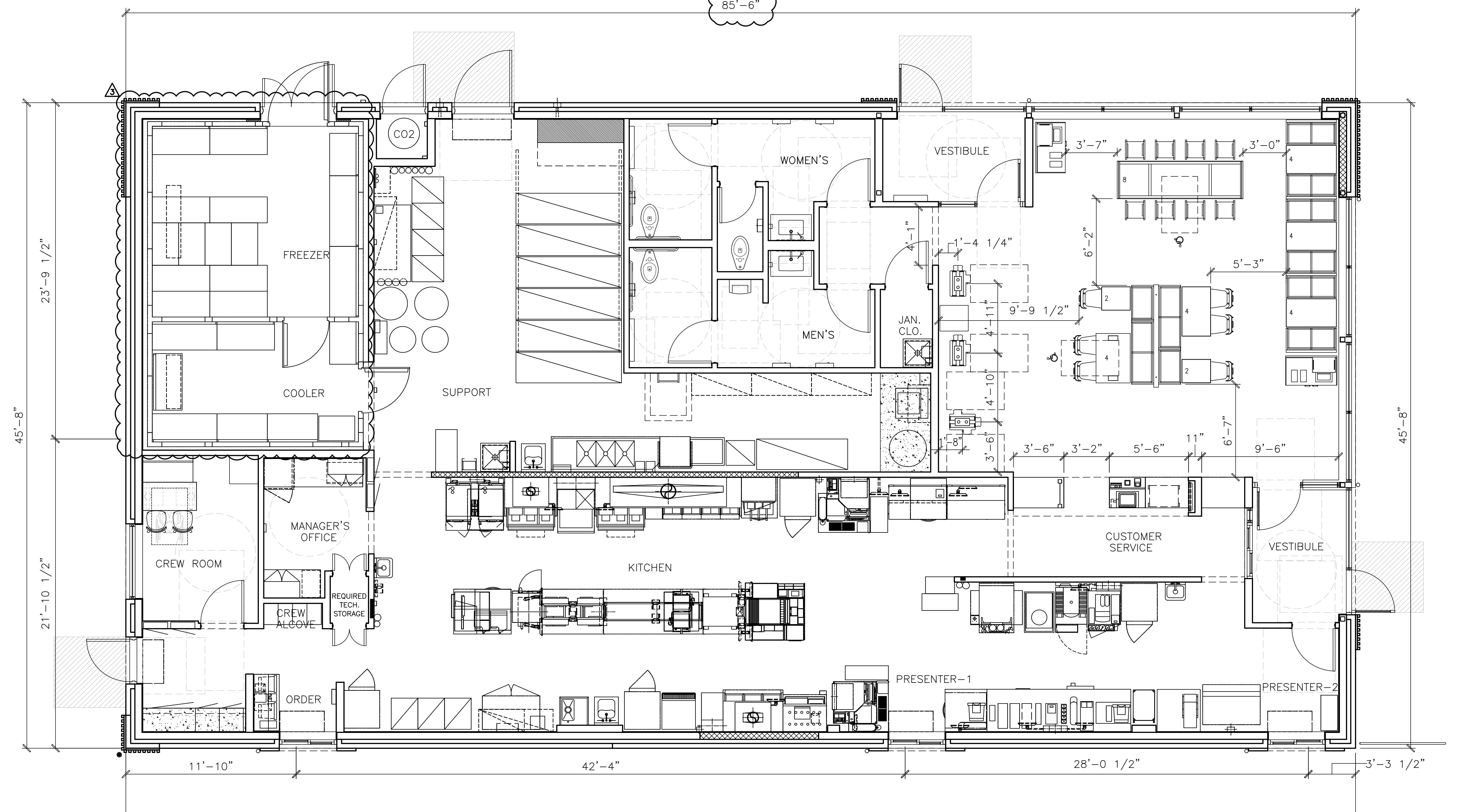
BY



AMY WILLIAMS
JAW Architects, Inc.
Amy Williams, Architect

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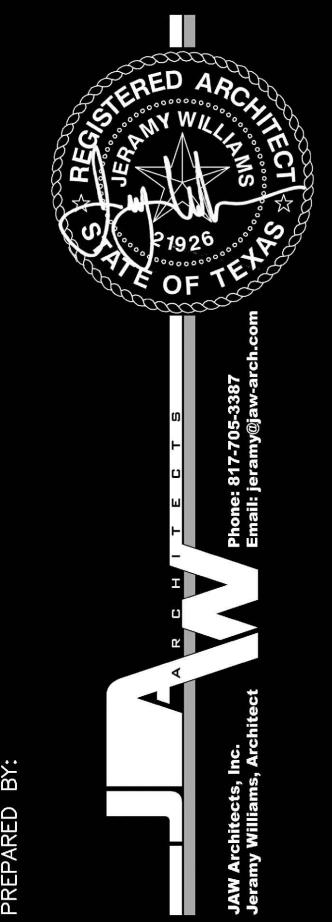
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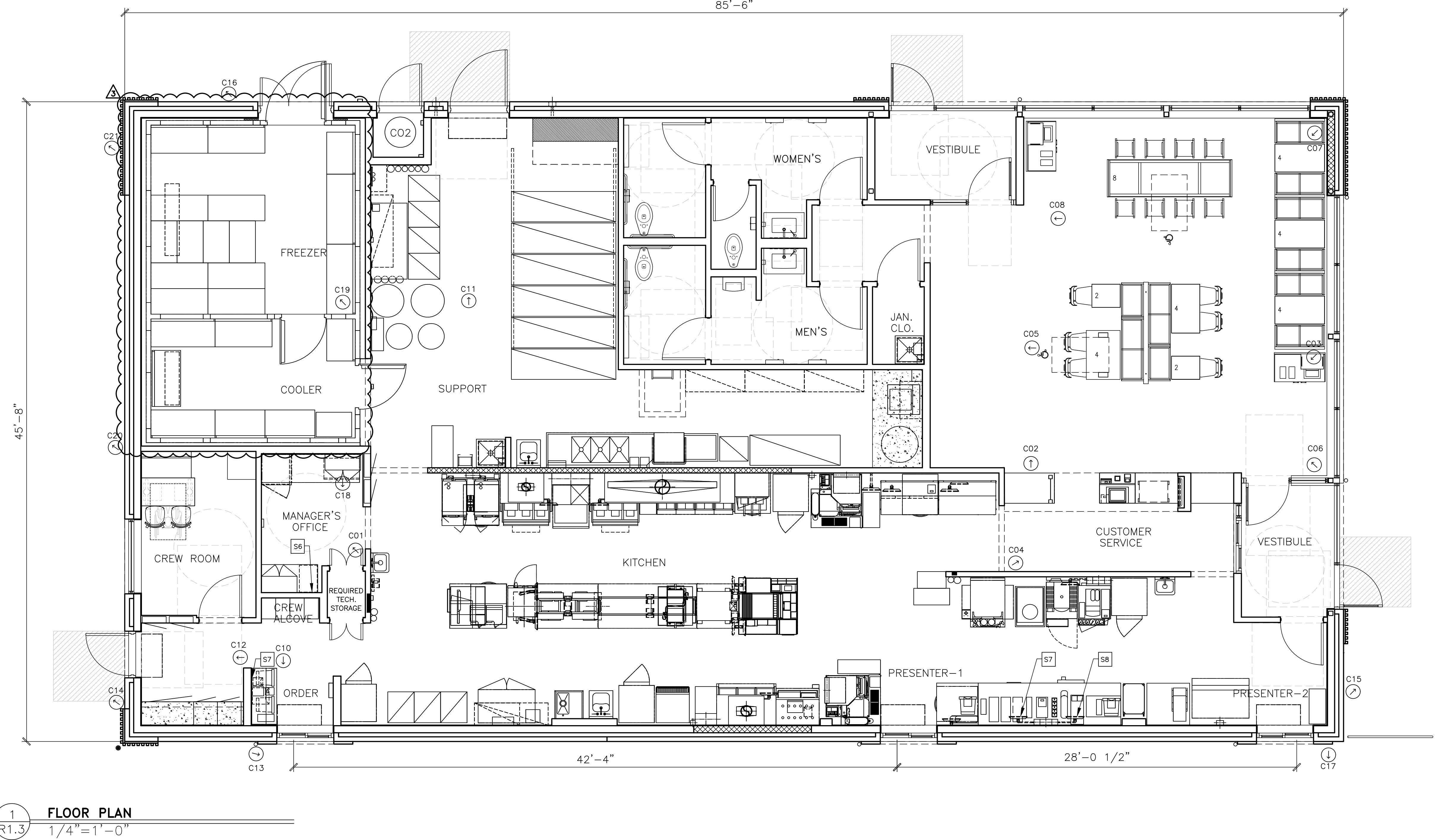
4584 - WW PLAN
3,829 GROSS SQ. FT. / 3,526 NET SQ. FT.
32 SEATS (2 ACCESSIBLE SEATS)

THIS DRAWING IS
FOR REFERENCE ONLY
NOT FOR CONSTRUCTION
SEATING LAYOUT IS SCHEMATIC, THE FINAL
SEATING LAYOUT TO BE PROVIDED BY OTHERS.

SHEET NO.	TITLE	DRAWN BY	PREPARED BY:
	2024 STANDARD BUILDING - BB20	JAW	@2025 McDonald's USA, LLC
	4584-WOOD/WOOD	STD ISSUE DATE 2024	McDonald's USA, LLC
	DESCRIPTION WOOD BEARING WALLS W/4" BRICK VENEER WOOD ROOF TRUSS/METAL/BRICK VENEER EXTERIOR FINISHES STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES	REVIEWED BY: JAW	These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without the express written consent of McDonald's USA, LLC. These drawings are issued under the understanding that they will not be used for any other purpose than the construction of the specific project for which they were issued. They are not suitable for use on a different site or at a later time. Use of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for another project is not authorized.
		DATE ISSUED 05/28/2024	JAW Architects, Inc. Amy Williams, Architect Phone 817-765-3387 Email: Amy@jawsavv.com
		REV. DATE	BY



R1.3
SEATING PLAN
JAWA 24-0018
042-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS



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)	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.

SYSTEM NOTES:

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.

CAMERA SPECIFICATIONS:

- LISTED BELOW ARE MCDONALD'S APPROVED IP-CCTV CAMERAS HANWHA QNV-6012RI
THE BELOW SPECIFICATIONS MUST BE MET OR EXCEEDED BY 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), OLUX (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 STRATCAST COMPATIBLE
- RECOMMENDED IP-CCTV VENDORS:**
- UAS
PHONE: 800-421-6661
EMAIL: CHRIS.MCGURK@UAS.COM
- WACHTER
PHONE: 800-462-9638
EMAIL: MCDINSIDESALES@WACHTER.COM

RECORDING APPLIANCE/SERVER AND VIDEO MANAGEMENT SOFTWARE SPECIFICATIONS:

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

1. VIDEO RETENTION: AT LEAST 30 DAYS OF STORAGE*
2. CROSS-PLATFORM LINUX (UBUNTU, CENTOS, REDHAT) OR WINDOWS (CLIENT, SERVER)
3. WEB BROWSER BASED: NO CLIENT SOFTWARE NEEDED – ACCESS ANYWHERE FROM ANYWHERE (PC, MAC, OR MOBILE)
4. QUICK SOFTWARE INSTALLATION: 5 MINUTES OR LESS (NO WINDOWS DEPENDENCIES)
5. SECURE: SRTP ENCRYPTED VIDEO TRANSMISSION, HTTPS SECURE USER INTERFACE
6. NETWORK OPTIMIZED: PEER-TO-PEER VIDEO TRANSMISSION ACROSS SUBNETS W/ WEBRTC
7. SCALABILITY: FEDERATE TO EITHER THE ENTERPRISE OR CLOUD
8. HARDWARE INDEPENDENT: X86_64, ARM, MIPS (APPLIANCES, SERVERS, IOT DEVICES)
9. 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 1/29/20/2024	MCD OC AND CITY PLAN REVIEW COMMENTS
2 05/12/2025	CITY COMMENTS – BUILDING SIGNAGE LAYOUT – PROTO UPDATE
3 1/15/2025	BUILDING SQUARE-OFF & RTD UPDATE
REV DATE	
DESCRIPTION	
REV DATE	

JWA
REGISTERED ARCHITECT
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JWA Architects, Inc.
James Williams, Architect
Phone 817-765-3387
Email jwajimmyw@gmail.com

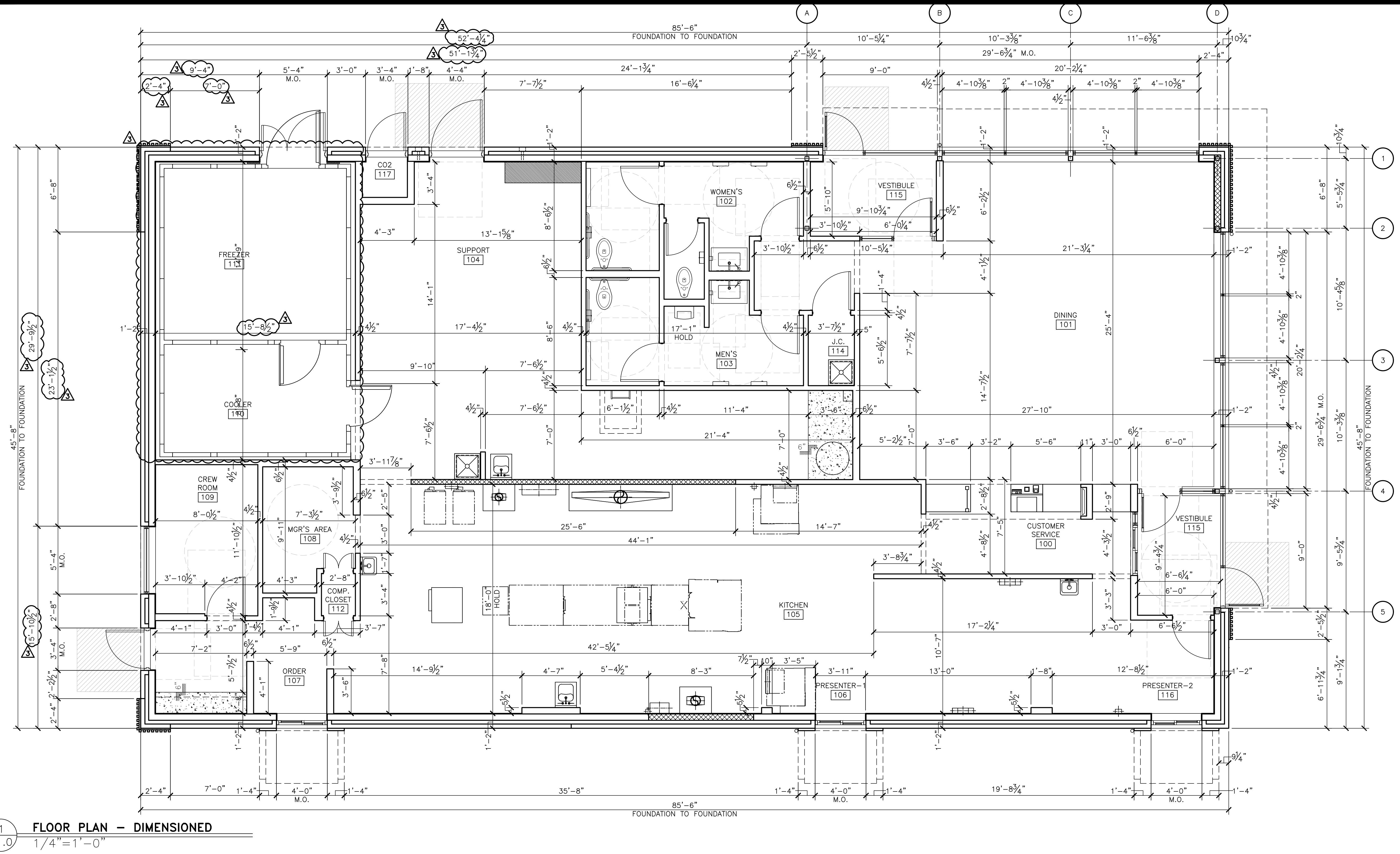
FLOOR PLAN

R1.3

1/4" = 1'-0"

R1.4

IP-CCTV PLAN



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 CREW AND ANCHORS INTO TILE. BULLNOSE COVE BASE WHERE TILE MEETS STAINLESS STEEL CORNER.
- [CP] CONCRETE EQMT PAD - SEE STRUCTURAL
- [CT] WALL TILE: PER DECOR PORTFOLIO
A GEOMETRY/LUNA/RAY: EUROWEST - 754-747. COLOR: NOIR.
SIZE: 4"x12", PATTERN: STACKED BOND
GROUT: MAPEI 02 PEWTER - JOINT TO BE $\frac{1}{8}$ " MAX.
ROUTE 66: EUROWEST - WHITE GLOSSY CHEVRON
GROUT: CHARCOAL 47 - JOINT TO BE $\frac{1}{8}$ " MAX.
- [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
- [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 (EQUIPMENT SCHEDULE ITEM 700.18)
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
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

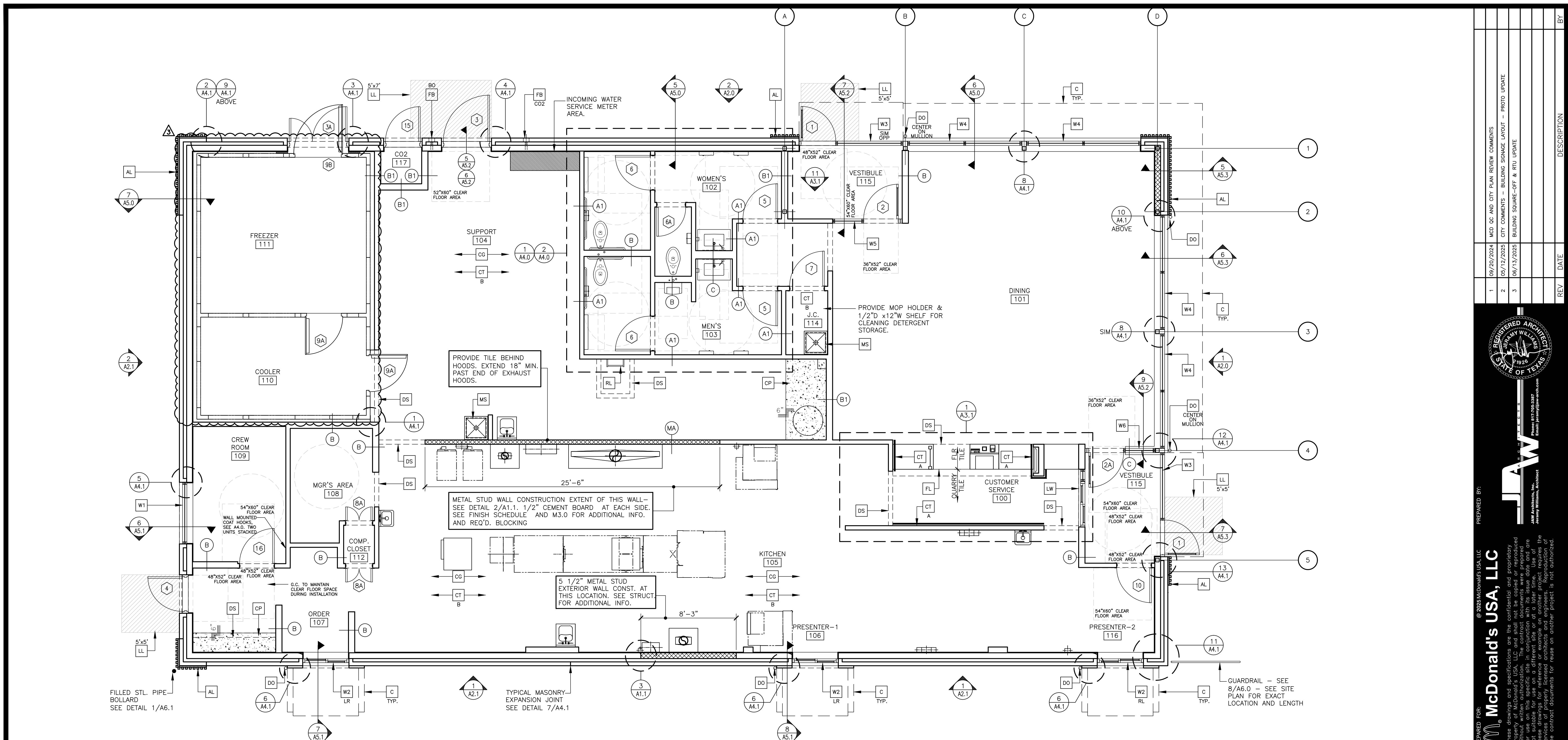
SYMBOL LEGEND

- (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

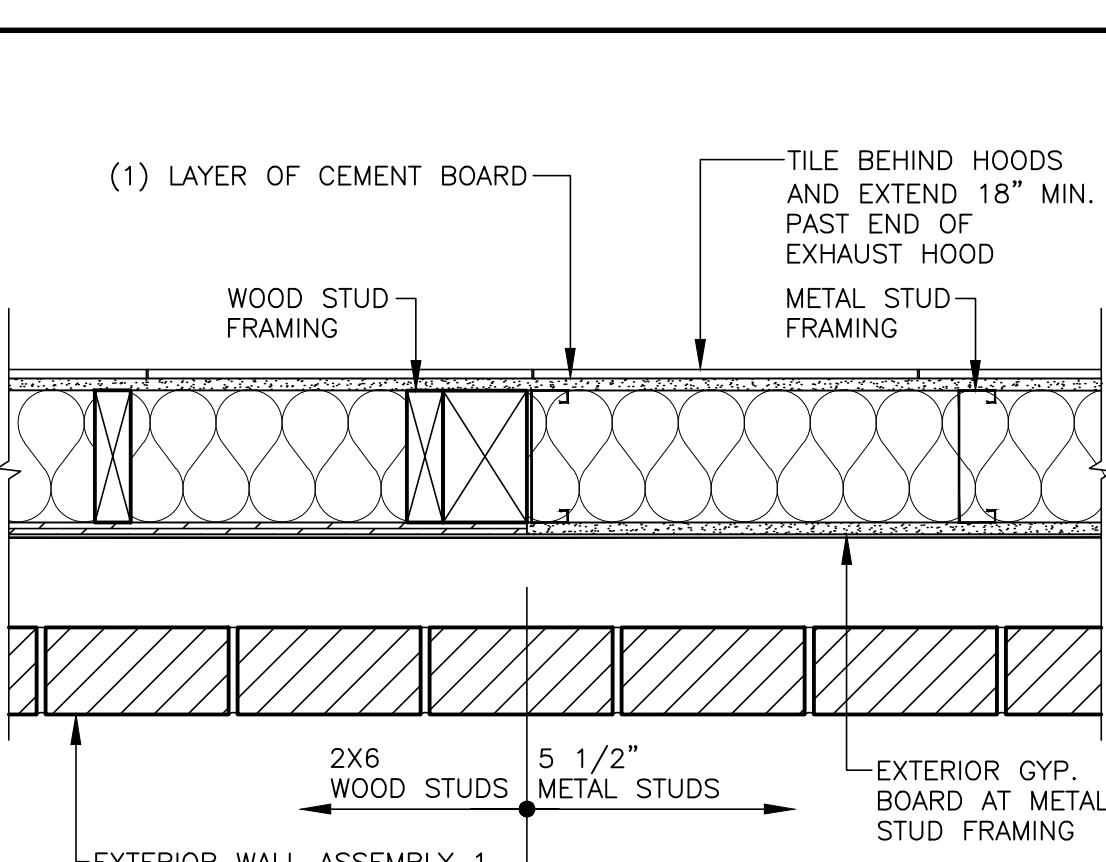
GENERAL NOTES

- 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.us@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.

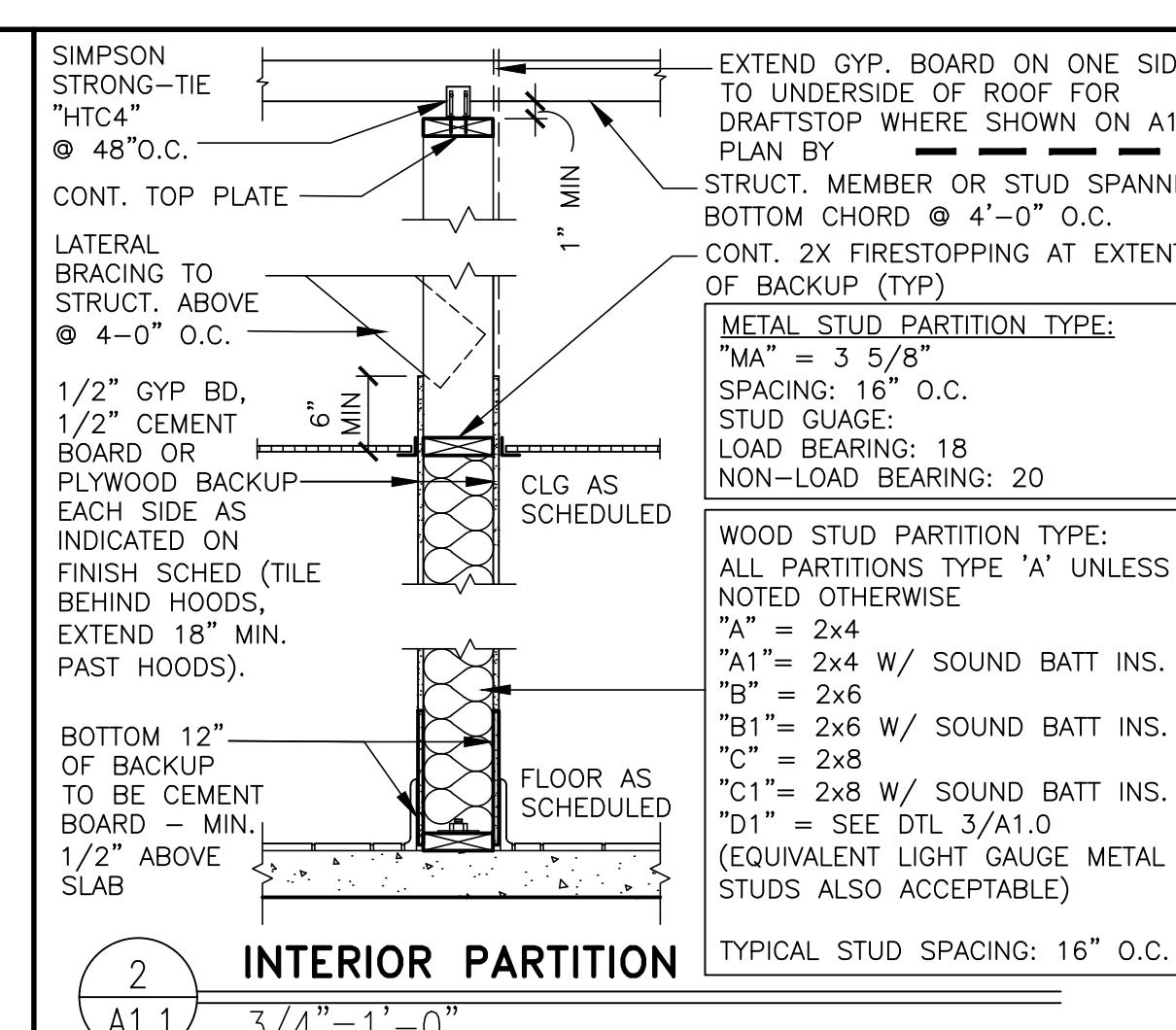
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4584-WOOD/WOOD	DESCRIPTION: WOOD BEARING WALLS W/4" BRICK VENEER STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES SITE ID: 042-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS					



FLOOR PLAN - NOTED



TRANSITON DETAIL



KEY NOTE

- 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 CREW AND ANCHORS INTO TILE. BULLNOSE COVE BASE WHERE TILE MEETS STAINLESS STEEL CORNER.
 - CP CONCRETE EQMT PAD – SEE STRUCTURAL
 - CT WALL TILE: PER DECOR PORTFOLIO
GEOMETRY/LUNA/RAY: EUROWEST – 754–747. COLOR: NOIR,
 - A SIZE: 4"x12", PATTERN: STACKED BOND.
GROUT: MAPEI 02 PEWTER – JOINT TO BE $\frac{1}{16}$ " MAX.
ROUTE 66: EUROWEST – WHITE GLOSSY CHEVRON
GROUT: CHARCOAL 47 – JOINT TO BE $\frac{1}{16}$ " MAX.
 - CT WALL TILE: CROSSVILLE – COLOR BY NUMBERS
COLOR: AFTERNOON SPRAY, SIZE: 4"x12", PATTERN: STACKED BOND
 - B GROUT: MAPEI 02 PEWTER – JOINT TO BE $\frac{1}{16}$ " 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.

SYMBOL LEGEND

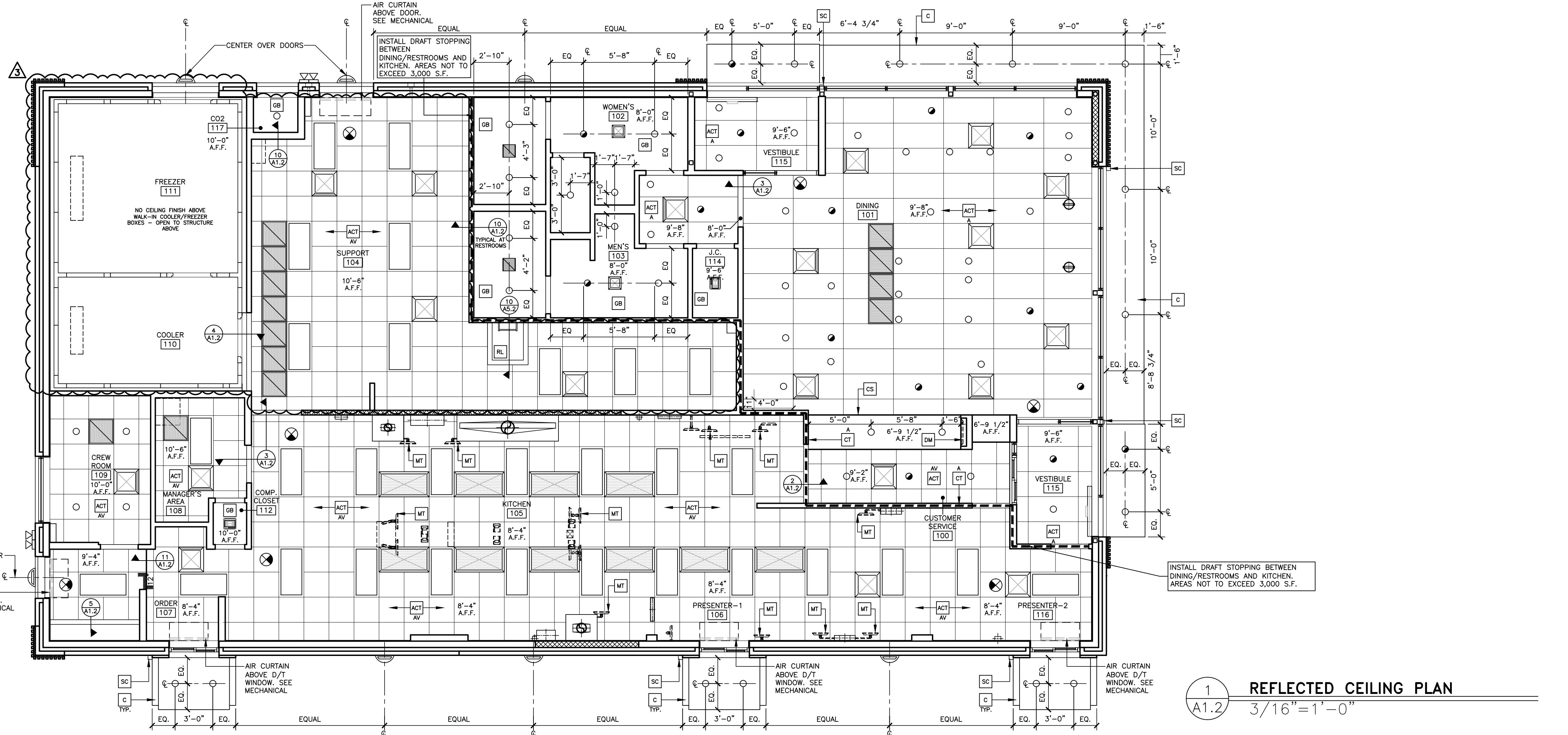
- | | | | |
|--|--------------------------------------|--|------------------------------|
| (A) | PARTITION TYPE TAG SEE 2/A1.1 | <input checked="" type="checkbox"/> | KEY NOTE |
| (7) | DOOR TAG – SEE DOOR SCHEDULE ON A6.0 | <input type="checkbox"/>
<input type="checkbox"/> | DRAFT STOPPING
SEE 2/A1.2 |
| <h2><u>GENERAL NOTES</u></h2> | | | |
| 1. EXTERIOR DIMENSIONS ARE TO COLUMN REFERENCE LINES AND EXTERIOR FACE OF FOUNDATION UNLESS OTHERWISE NOTED. INTERIOR DIMENSIONS ARE TO FACE OF INTERIOR WALL BOARD | | | |
| 2. 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. | | | |
| 3. SEE EXTERIOR ELEVATIONS FOR WINDOW TYPES | | | |
| 4. SEE SHEET A6.0 FOR DOOR AND ROOM FINISH SCHEDULES | | | |
| 5. SEE SITE PLAN FOR SIDEWALKS, RAMPS, ETC. | | | |
| 6. 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.us@franke.com | | | |
| 7. ALL HANDSINK LOCATIONS SHALL HAVE CEMENT BOARD BACKING 48" IN HEIGHT A.F.F. | | | |
| 8. GC TO COORDINATE ALL REQUIRED BLOCKING FOR WALL HUNG EQUIPMENT, SHELVES, ETC. FOR PROPER INSTALLATION HEIGHTS. | | | |
| 9. KNOX BOX TO BE INSTALLED PER LOCAL CODE AS REQUIRED. MODEL AND LOCATION TO BE COORDINATED WITH FIRE MARSHALL. | | | |

GENERAL NOTES

- GENERAL NOTES**

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SHEET NO.	TITLE		DRAWN BY JAW
	2024 STANDARD BUILDING – BB20 4584-WOOD/WOOD		STD ISSUE DATE 2024
DESCRIPTION	WOOD BEARING WALLS W/4" BRICK VENEER WOOD ROOF TRUSS FRAMING STUCCO/BATTEN/METAL/BRICK VENEER EXTERIOR FINISHES		REVIEWED BY JAW
SITE ID	SITE ADDRESS NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS		DATE ISSUED 05/28/2024
A 1 FLOOR PLAN	JAWA 24-0018	. 1	042-3527



KEY NOTES	
ACT A	ACOUSTICAL CEILING TILE - 24"x48". SEE FINISH SCHEDULE (USE 24"x24" ACT IN CREW ROOM & MANAGERS OFFICE)
ACT AV	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
C	ALUMINUM CANOPY WITH INTEGRAL GUTTER AND SCUPPER - SEE 4/A.5.O FOR NOTES - SEE ROOF PLAN FOR DIMENSIONS - SEE ELEVATION FOR COLOR
CS	GC BUILT SOFFIT OVER FRONT COUNTER PROVIDE FINISHES PER DECOR DRAWINGS
CT A	WALL TILE: PER DECOR PORTFOLIO GEOMETRY/LUNA/RAY: EUROWEST - 754-747. COLOR: NOIR, SIZE: 4"x12", PATTERN: RUNNING BOND. GROUT: MAPEI 02 PEWTER - JOINT TO BE $\frac{1}{8}$ " MAX. ROUTE 66: EUROWEST - WHITE GLOSSY CHEVRON GROUT: CHARCOAL 47 - JOINT TO BE $\frac{1}{8}$ " MAX.
CT B	WALL TILE: CROSSVILLE - COLOR BY NUMBERS COLOR: AFTERNOON SPRAY, SIZE: 4"x12", PATTERN: RUNNING 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
DC	SUSPENDED DECORATIVE CEILING TREATMENT - SEE DECOR DRAWINGS FOR ADDITIONAL INFORMATION
DM	DIGITAL MERCHANDISER
DS-WH	DROPPED SOFFIT 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/A.1.2 FOR INSTALLATION METHOD
RL	ROOF LADDER OPENING
SC	INTERGRAL GUTTER SCUPPER
DF	DECOR PORTFOLIO SPECIFIC ELEMENT - SEE FINISH SCHEDULE.

- GENERAL NOTES**
- SEE SHT A.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

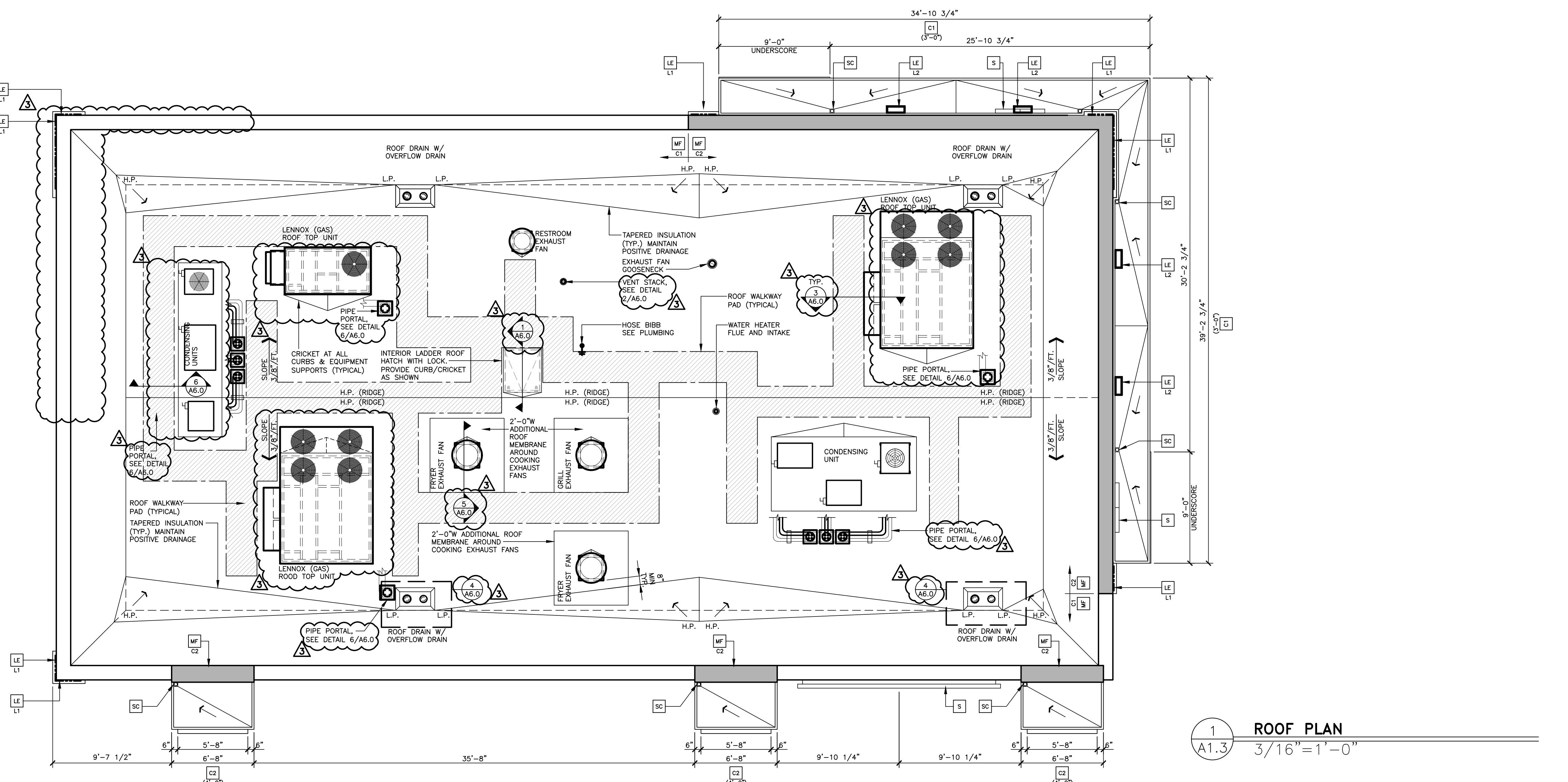
PREPARED BY:

McDonald's USA, LLC

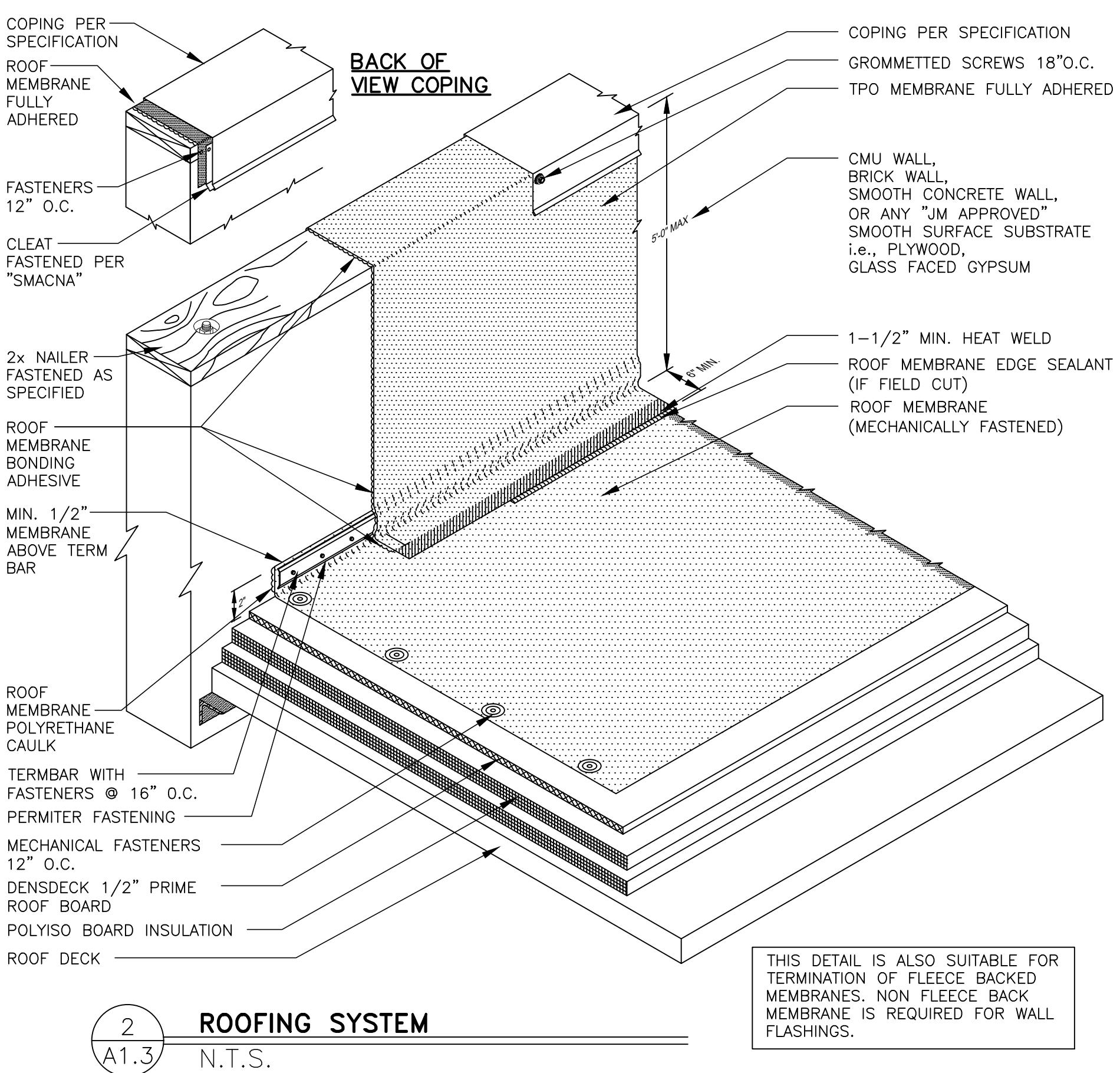
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WOOD BEARING WALLS W/4" BRICK VENEER			
WOOD ROOF TRUSS FRAMING			
STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES			
SITE ID			
042-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS			
SHEET NO.			
A1.2			
REFLECTED CLG. PLAN			

<p>2 VALANCE SECTION A1.2 1"=1'-0"</p>	<p>3 CEILING TRANSITION w/ SOFFIT A1.2 1"=1'-0"</p>	<p>4 CEILING DETAIL AT COOLER A1.2 1 1/2"=1'-0"</p>	<p>5 CEILING DETAIL AT SWITCHGEAR A1.2 1 1/2"=1'-0"</p>
<p>7 NOT USED A1.2 N.T.S.</p>	<p>8 CEILING GRID & LIGHT SUPPORT DETAIL A1.2 N.T.S.</p>	<p>10 GYP BD CEILING DETAIL A1.2 1 1/2"=1'-0" A0610WB1</p>	<p>11 ACOUSTIC CEILING TRANSITION A1.2 N.T.S. COORDINATE w/ DECOR</p>



1
A1.3
ROOF PLAN
3/16" = 1'-0"



- ROOFING SYSTEM**
- 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
 - 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:

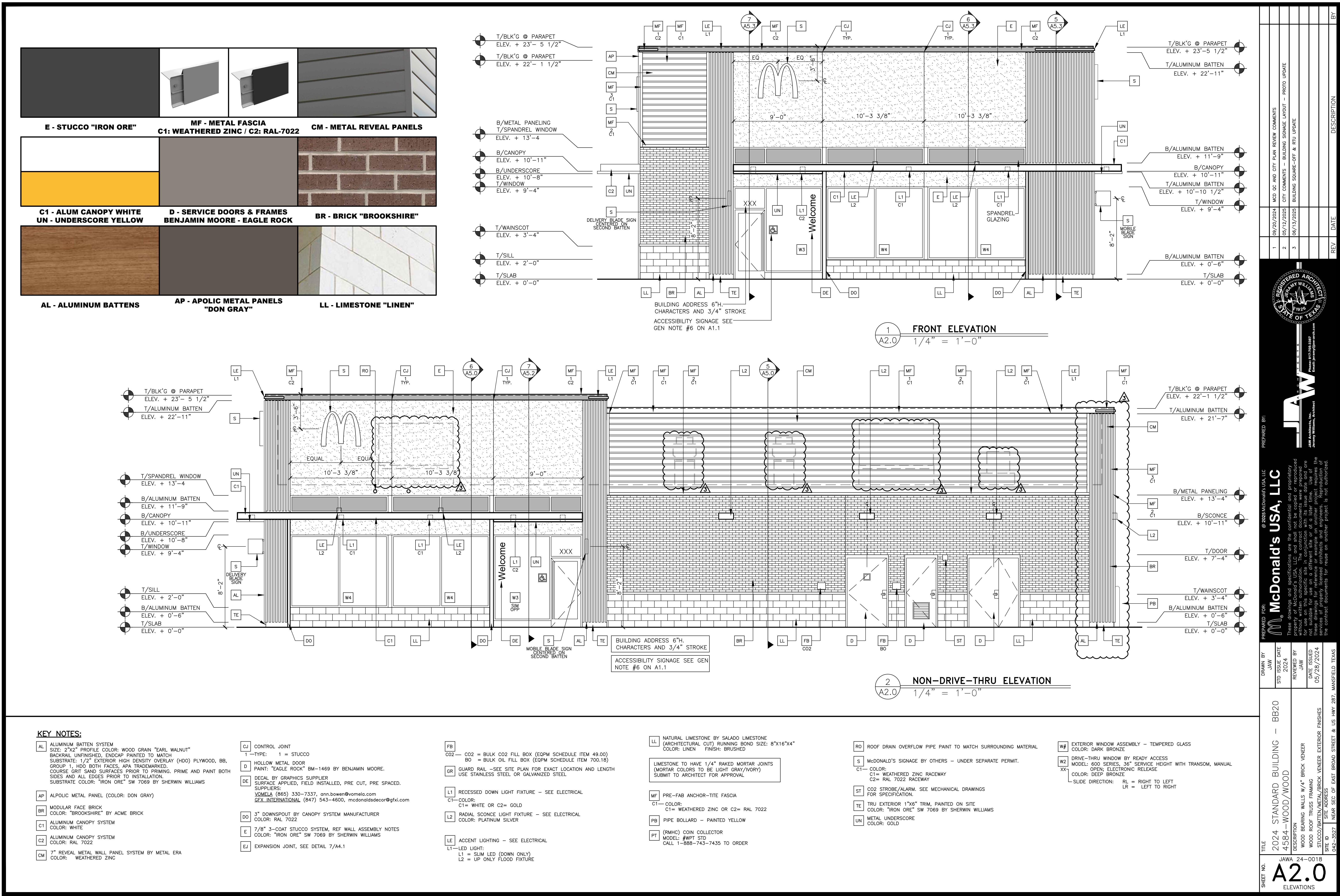
 - A. SINGLE-PLY ROOFING SYSTEM AS MANUFACTURED BY MANUFACTURER LISTED ABOVE TO COMPLY WITH ASTM E 108 OR UL 790, ASTM D-6878, AND FMG I-90 FOR WIND UPLIFT.
 - B. FASTENERS: METAL FASTENERS AND PLATES AS PER MANUFACTURER.
 - C. ACCESSORIES: PRE-FABRICATED CURBS, FLASHING, CORNERS, TERMINATION BARS, PIPE 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.
 - 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.
 - RIGID INSULATION:

PROVIDE REQUIRED LAYERS OF POLYISOCYANURATE INSULATION W/ 1/2" "DENSECK" 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.
 - 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.
 - EXHAUST FANS:

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

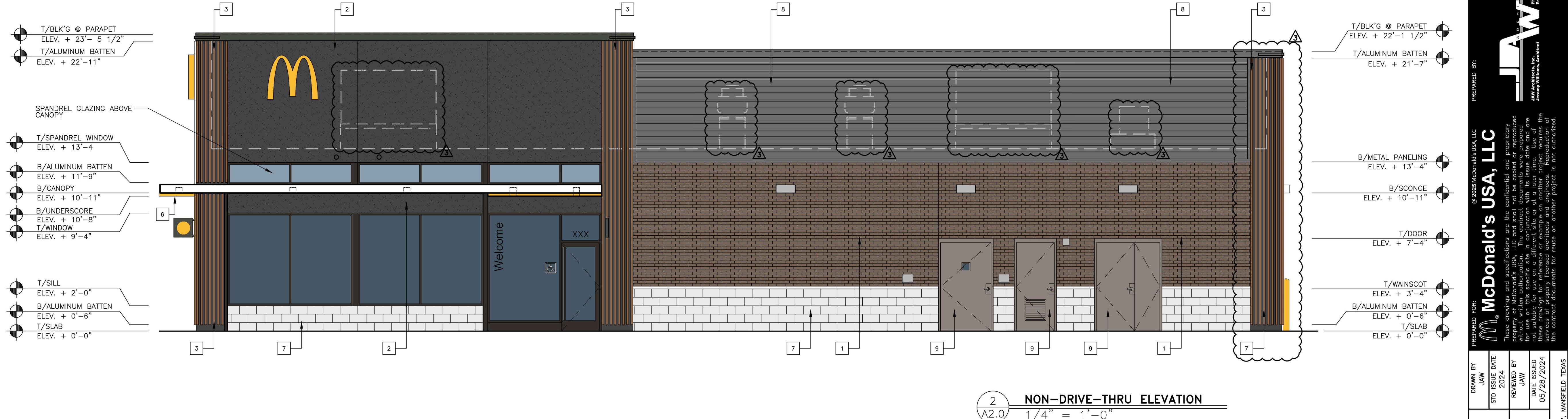
PREPARED BY: J.W. McDonald's USA, LLC	
PREPARED FOR: J.W. McDonald's USA, LLC	
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Phone: 817-705-3387 Email: jwmpayroll@wawa.com	
J.W. McDonald's USA, LLC 1000 W. Cypress Creek Rd., Suite 1000 Dallas, TX 75248 www.mcdonaldsusa.com	
DRAWN BY: J.W. STD ISSUE DATE: 2024	
REVIEWED BY: J.W. DATE ISSUED: 05/28/2024	
TITLE: 2024 STANDARD BUILDING - BB20 DESCRIPTION: WOOD BEARING WALLS W/4" BRICK VENEER STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES	
SHEET NO. A1.3 SITE ID: 042-3527 NEAR SEC. OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS ADDRESS: J.W.A. 24-0018 BY: J.W. Williams, Architect	



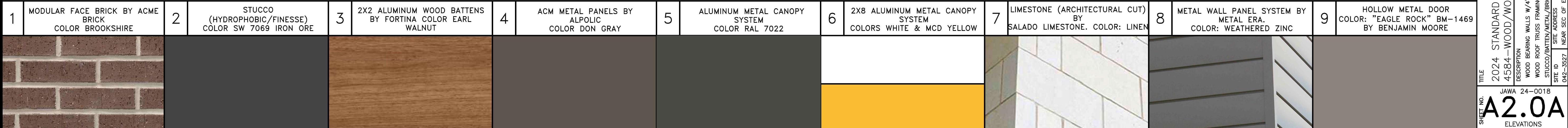
BUILDING MATERIAL CALCULATIONS									
	FRONT ELEVATION		NON-DT ELEVATION		DRIVE-THRU ELEVATION		REAR ELEVATION		TOTALS
TOTAL SQUARE FOOTAGE	1093.43		1962.01		1940.98		1033.81		6030.23
MATERIALS	SF	%	SF	%	SF	%	SF	%	SF
BRICK	70.10	6.41	426.79	21.75	580.96	29.43	321.99	31.15	1399.84
LIMESTONE	61.95	5.67	159.72	8.14	209.96	10.81	118.49	11.46	550.12
ALUMINUM	331.45	30.50	325.00	16.77	0	0.00	0	0.00	651.45
ALUMINUM BATTENS	47.75	4.37	184.48	9.18	58.45	2.92	307.28	2.95	603.44
METAL PANELS	47.02	4.38	391.02	19.99	650.58	48.57	323.27	29.34	1712.89
METAL CANOPY	25.12	2.29	28.21	1.34	24.76	1.26	5.89	0.57	55.88
	772.39	70.65	1802.83	76.60	1822.81	93.91	906.80	92.70	5055.03
GLAZING/OPENINGS	SF	%	SF	%	SF	%	SF	%	SF
TOTALS (INCLUDING GLAZING)	1057.85	96.76	1785.04	90.98	1884.24	97.07	983.57	95.15	5710.71
	1057.85	96.76	1785.04	90.98	1884.24	97.07	983.57	95.15	5710.71



1 FRONT ELEVATION
A2.0 1/4" = 1'-0"



2 NON-DRIVE-THRU ELEVATION
A2.0 1/4" = 1'-0"



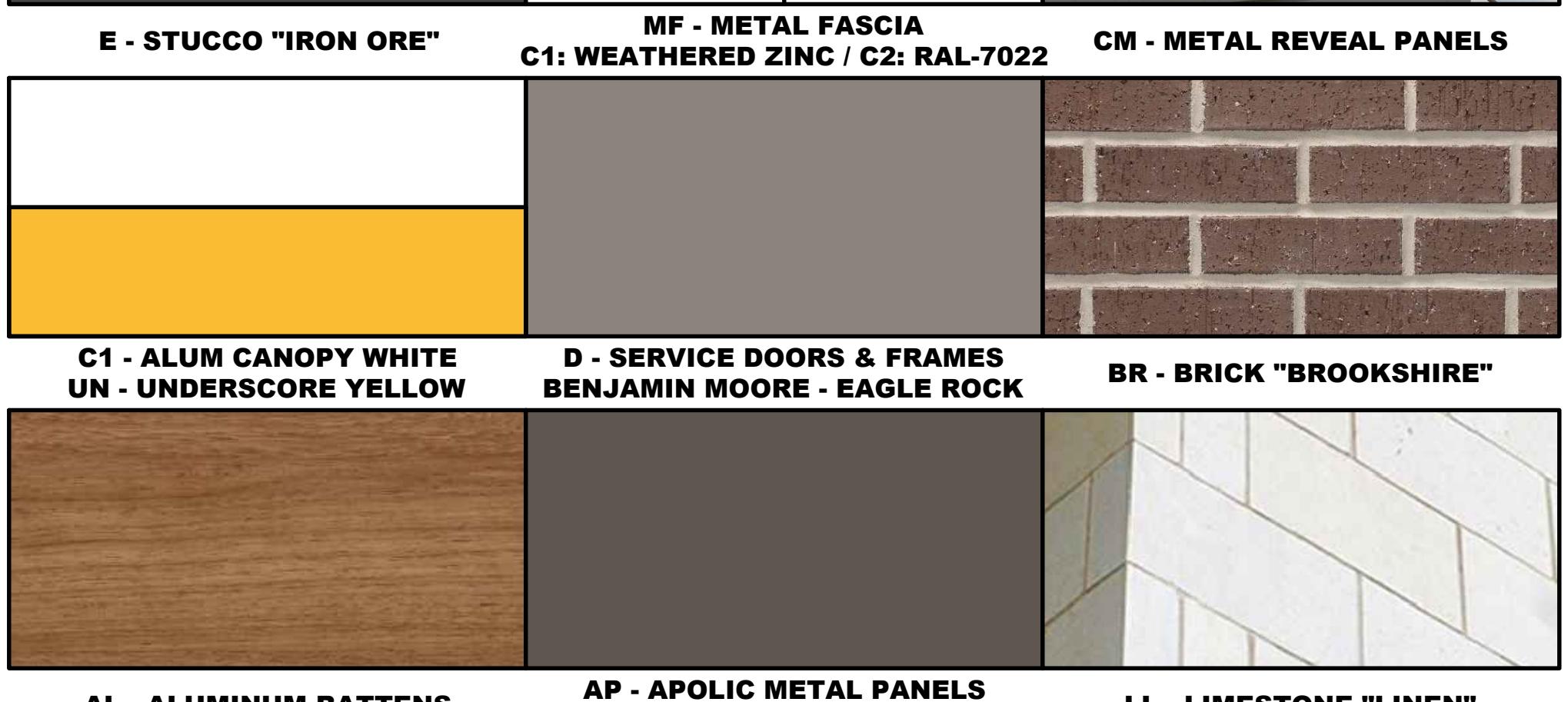
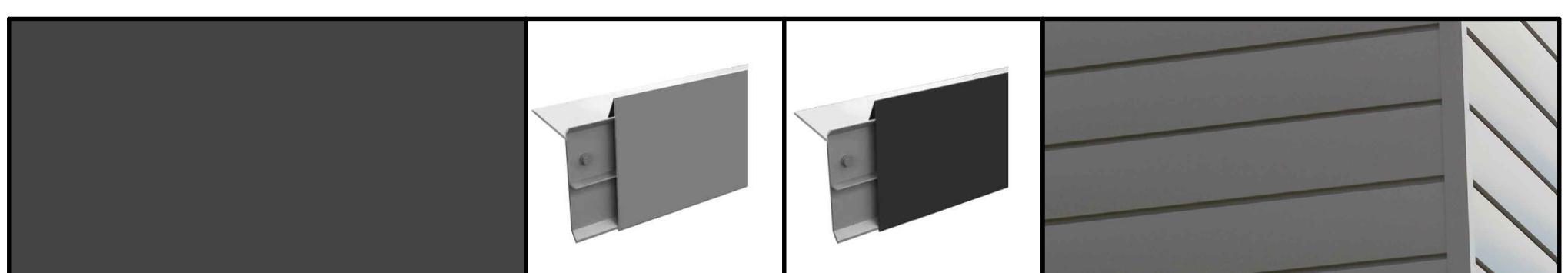
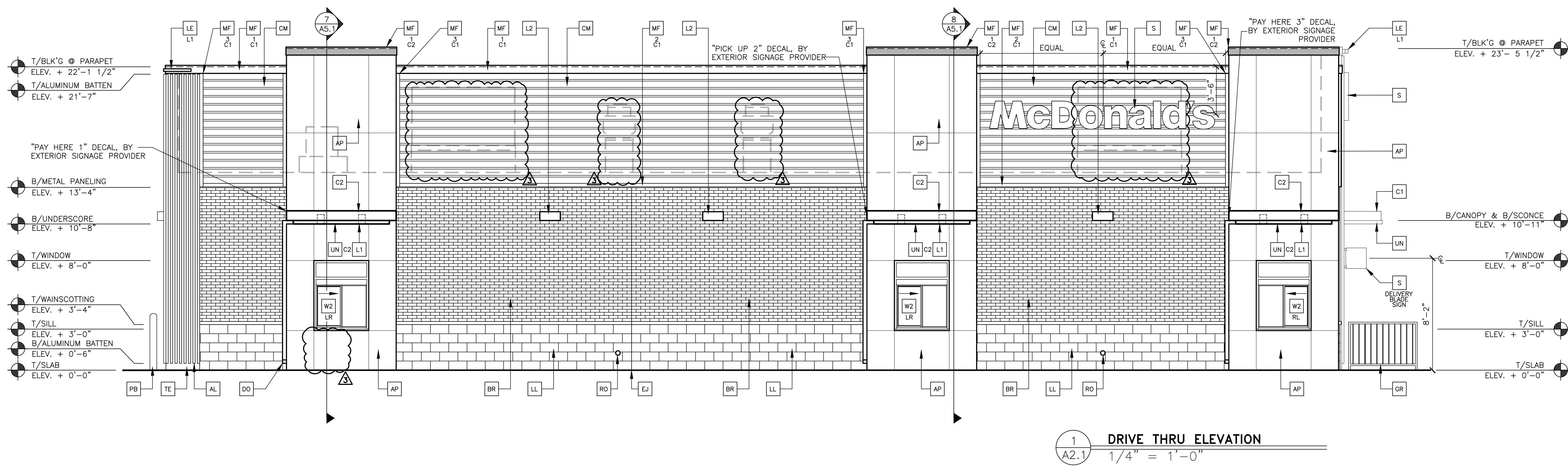
JAW Architects, Inc.
Jeremy Williams, Architect
Phone: 817-705-3387
Email: jpw@jawarchitects.com

McDonald's USA, LLC
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DRAWN BY:		REVISED BY:		DATE ISSUED:	
JAW	STD ISSUE DATE	JAW	STD ISSUE DATE	05/28/2024	05/28/2024

1 2024 STANDARD BUILDING - BB20
TITLE: 2024-584-WOOD/WOOD
DESCRIPTION: WOOD BEARING WALLS W/4" BRICK VENEER
WOOD ROOF TRUSS FRAMING
STUCCO/BATTELED/BRICK VENEER EXTERIOR FINISHES
SITE ID: 042-3527 | NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS
SITE ADDRESS: JAWA 24-0018
ELEVATIONS
SHEET NO. A2.0A



KEY NOTES:

AL ALUMINUM BATTEN SYSTEM
SIZE: 2"X2" PROFILE COLOR: WOOD GRAIN "EARL WALNUT"
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 APOLIC METAL PANEL (COLOR: DON GRAY)

BR MODULAR FACE BRICK
COLOR: "BROOKSHIRE" BY ACME BRICK

C1 ALUMINUM FACE SYSTEM
COLOR: WHITE

C2 ALUMINUM CANOPY SYSTEM
COLOR: RAL 7022

CM 7" REVEAL METAL WALL PANEL SYSTEM BY METAL ERA
COLOR: WEATHERED ZINC

CJ CONTROL JOINT
1-TYPE: 1 = STUCCO
D HOLLOW METAL DOOR
PAINT: "EAGLE ROCK" BM-1469 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 3" DOWNSPOUT BY CANOPY SYSTEM MANUFACTURER

E 7/8" 3-COAT STUCCO SYSTEM, REF WALL ASSEMBLY NOTES
COLOR: "IRON ORE" SW 7069 BY SHERWIN WILLIAMS

EJ EXPANSION JOINT, SEE DETAIL J/A4.1

FB CO2 = BULK CO2 FILL BOX (EQPM SCHEDULE ITEM 49.00)
BO = BULK OIL FILL BOX (EQPM SCHEDULE ITEM 700.18)
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 OR C2= GOLD

L2 RADIAL SCONCE 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

LL NATURAL LIMESTONE BY SALADO LIMESTONE
(ARCHITECTURAL CUT) RUNNING BOND SIZE: 8"X16"X4"
COLOR: LINEN FINISH: BRUSHED

LIMESTONE TO HAVE 1/4" RAKED MORTAR JOINTS
(MORTAR COLORS TO BE LIGHT GRAY/IVORY)
SUBMIT TO ARCHITECT FOR APPROVAL

MF PRE-FAB ANCHOR-TITE FASCIA
C1= COLOR:
C1= WEATHERED ZINC OR C2= RAL 7022

PB PIPE BOLLARD - PAINTED YELLOW

PT (RMHC) COIN COLLECTOR
MODEL: #WPT STD
CALL 1-888-743-7435 TO ORDER

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.

TE TRU EXTERIOR 1"X6" 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
W2 DRIVE-THRU WINDOW BY READY ACCESS
MODEL: 600 SERIES, 36" SERVICE HEIGHT WITH TRANSOM, MANUAL
XX OPEN: ELECTRONIC RELEASE
COLOR: DEEP BRONZE
SLIDE DIRECTION: RL = RIGHT TO LEFT
LR = LEFT TO RIGHT

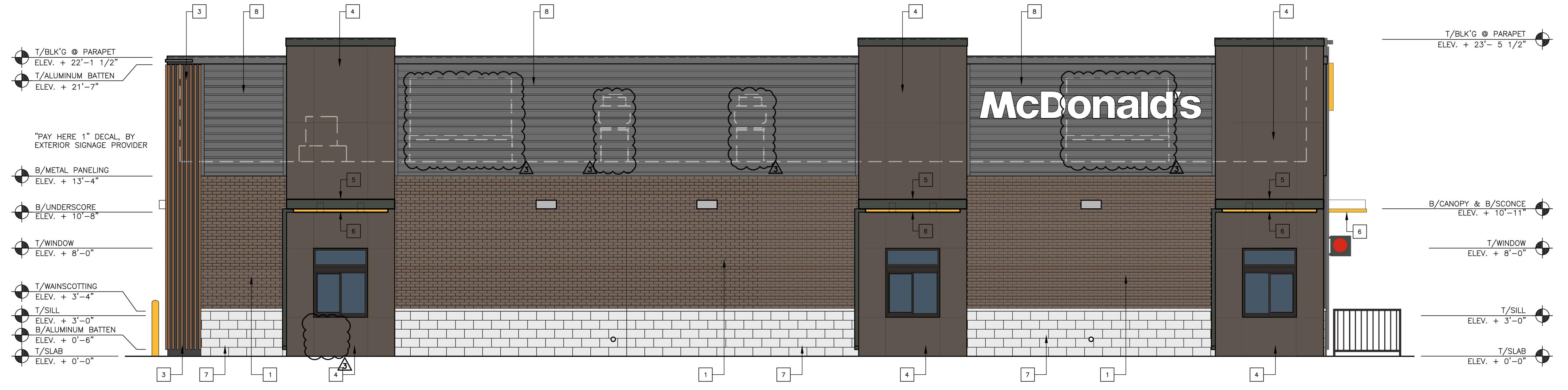
PREPARED BY:

JAW McDonald's USA, LLC

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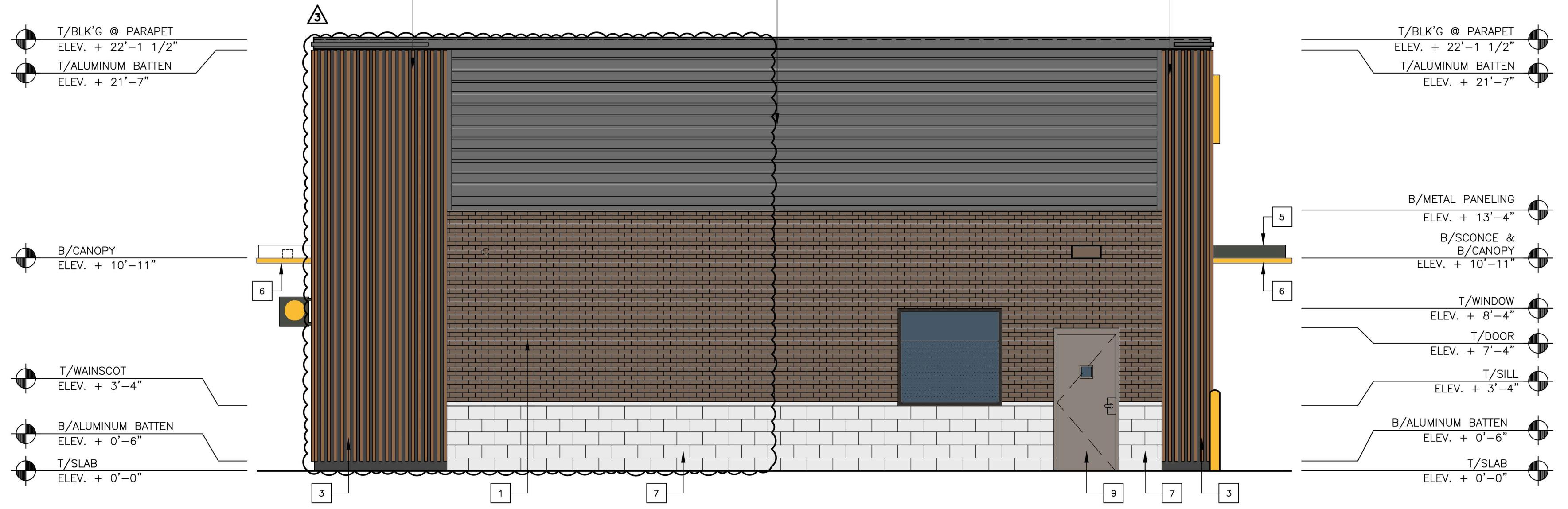
SHEET NO.	TITLE	DRAWN BY	STD ISSUE DATE	REVIEWED BY	DATE ISSUED
1	2024 STANDARD BUILDING - BB20	JAW	2024	JAW	05/28/2024
2	4584-WOOD/WOOD	JAW	2024	JAW	05/28/2024
3	BUILDING SQUARE-OFF & RTD UPDATE	JAW	2025	JAW	05/13/2025

JAWA 24-0018
A2.1
ELEVATIONS



1 A2.1 DRIVE THRU ELEVATION
1/4" = 1'-0"

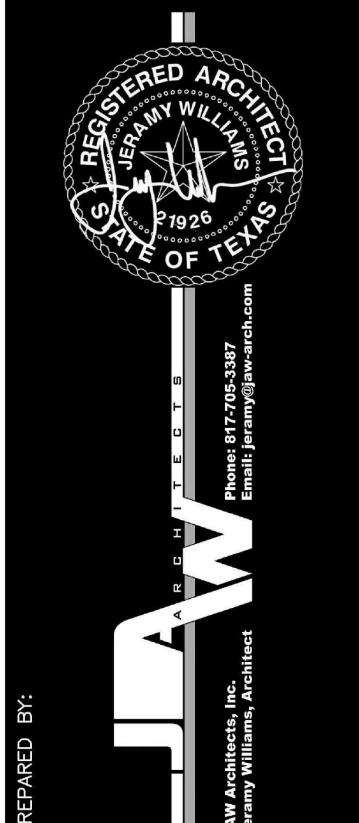
BUILDING MATERIAL CALCULATIONS										
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TOTAL SQUARE FOOTAGE	1083.43		1862.01		1940.98		1033.81		6030.23	
MATERIALS	SF	%	SF	%	SF	%	SF	%	SF	%
BRICK	70.10	6.41	426.79	21.75	590.98	29.53	321.99	31.15	1399.84	23.21
LIMESTONE	61.95	5.67	159.72	8.14	209.98	10.81	118.49	11.46	550.12	9.12
STUCCO	331.95	30.36	329.11	16.77	0	0.00	0	0.00	661.06	10.98
ALUMINUM BATTENS	211.75	19.37	169.48	8.64	56.65	2.92	207.26	20.05	645.14	10.70
METAL PANELS	67.52	6.18	391.52	19.96	950.58	48.97	303.27	29.34	1712.89	28.41
METAL CANOPY	29.12	2.66	28.21	1.34	24.76	1.28	5.89	0.57	85.88	1.43
	772.39	70.65	1502.83	74.60	1822.81	93.91000	956.90	92.57000	5055.03	83.83000
WEST ELEVATION	SF	%	SF	%	SF	%	SF	%	SF	%
GLAZING/OPTIONS	285.47	26.11	282.21	14.38	61.33	3.16	26.67	2.58	655.68	10.87
TOTALS (INCLUDING GLAZING)	1057.86	95.76	1785.04	90.98	1884.24	97.07	983.57	95.15	5710.71	94.70



2 A2.1 REAR ELEVATION
1/4" = 1'-0"

1	MODULAR FACE BRICK BY ACME BRICK COLOR BROOKSHIRE	2	STUCCO (HYDROPHOBIC/FINESSE) 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	LIMESTONE (ARCHITECTURAL CUT) BY SALADO LIMESTONE. COLOR: LINEN	8	METAL WALL PANEL SYSTEM BY METAL ERA. COLOR: WEATHERED ZINC	9	HOLLOW METAL DOOR COLOR: "EAGLE ROCK" BM-1469 BY BENJAMIN MOORE

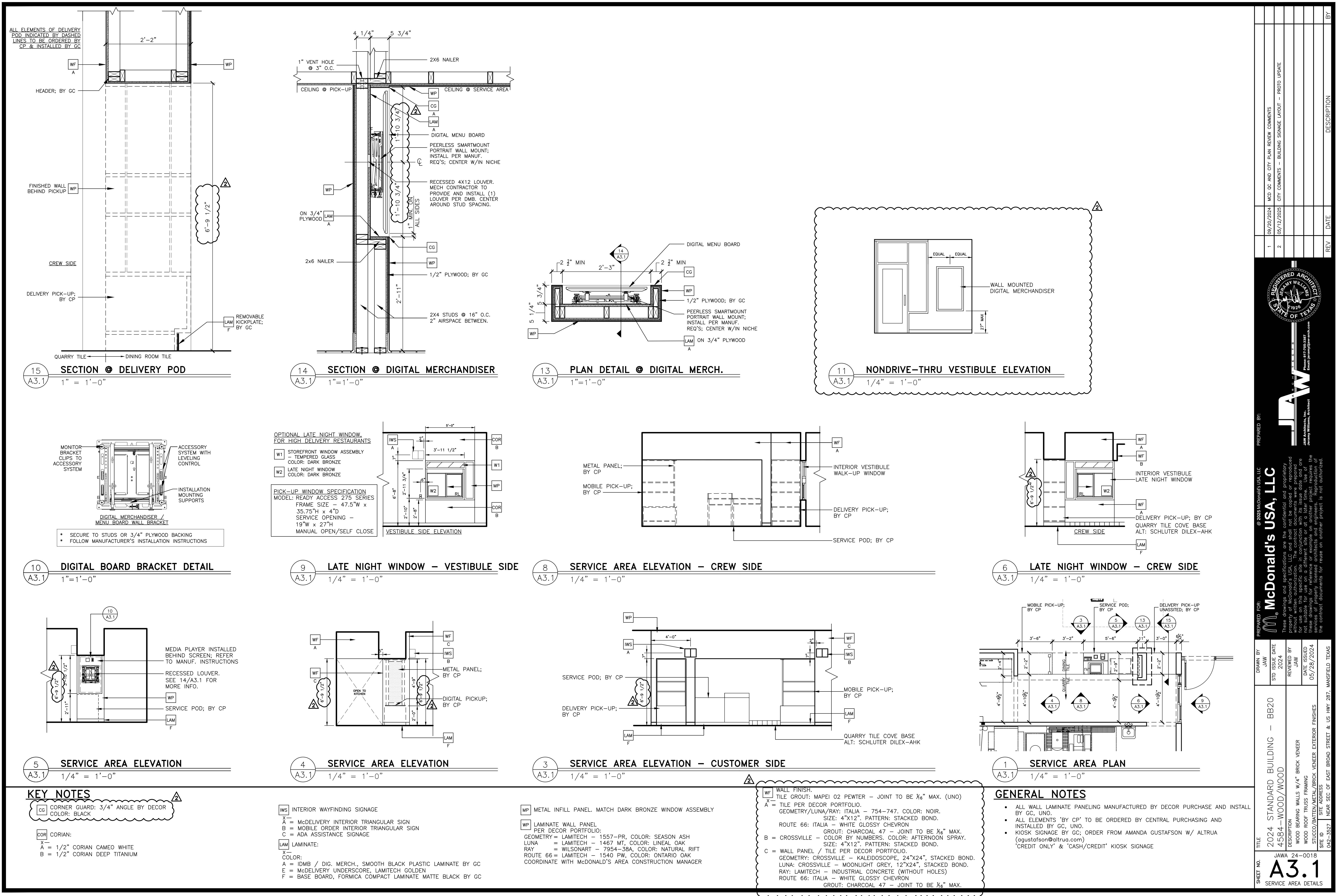
ITEM NO.	TITLE	STD ISSUE DATE	REVIEWED BY	DATE ISSUED	REV	DESCRIPTION	BY
1	2024 STANDARD BUILDING - BB20	05/20/2024					
2	4584_WOOD_WOOD	05/12/2025					
3	2024 BUILDING - CITY COMMENTS - BUILDING SIGNAGE LAYOUT - PROTO UPDATE	05/13/2025					
4	BUILDINGSQUARE-OFF & RTU UPDATE						
5							
6							
7							
8							
9							

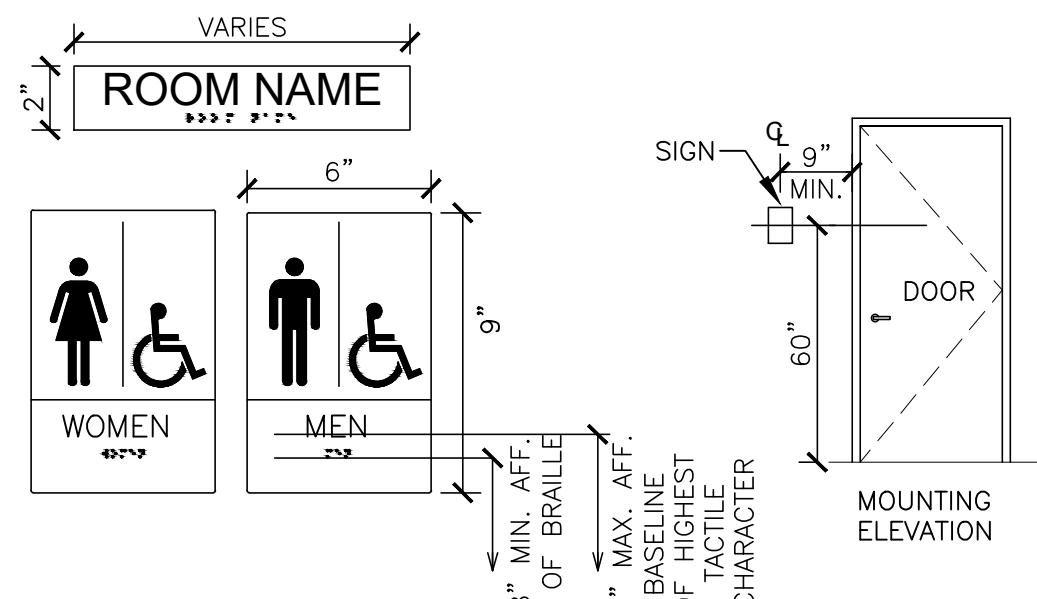
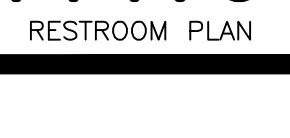
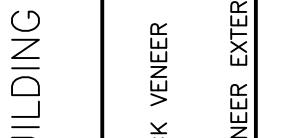
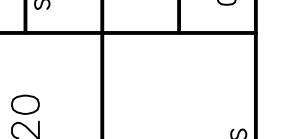
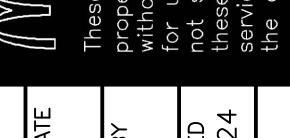
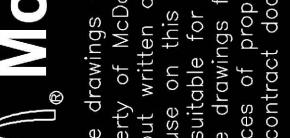
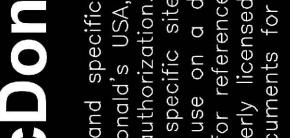
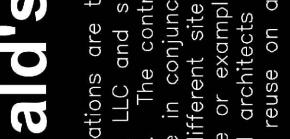
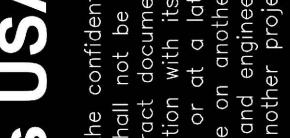
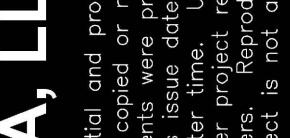
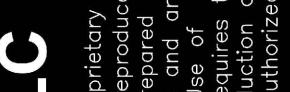
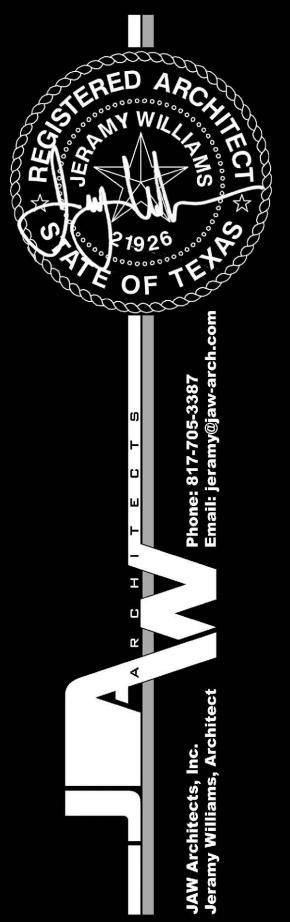
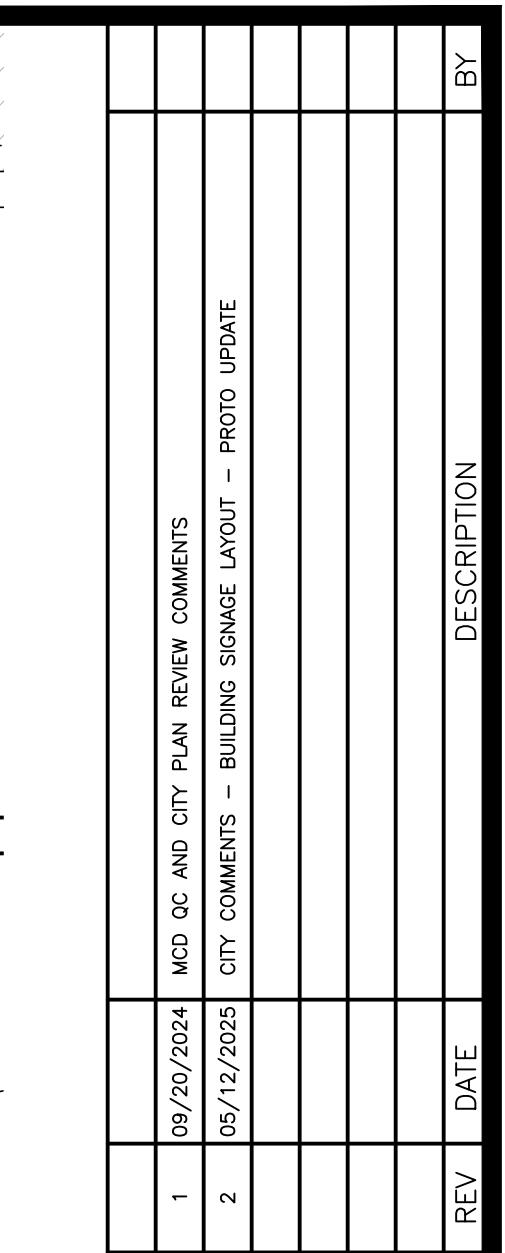
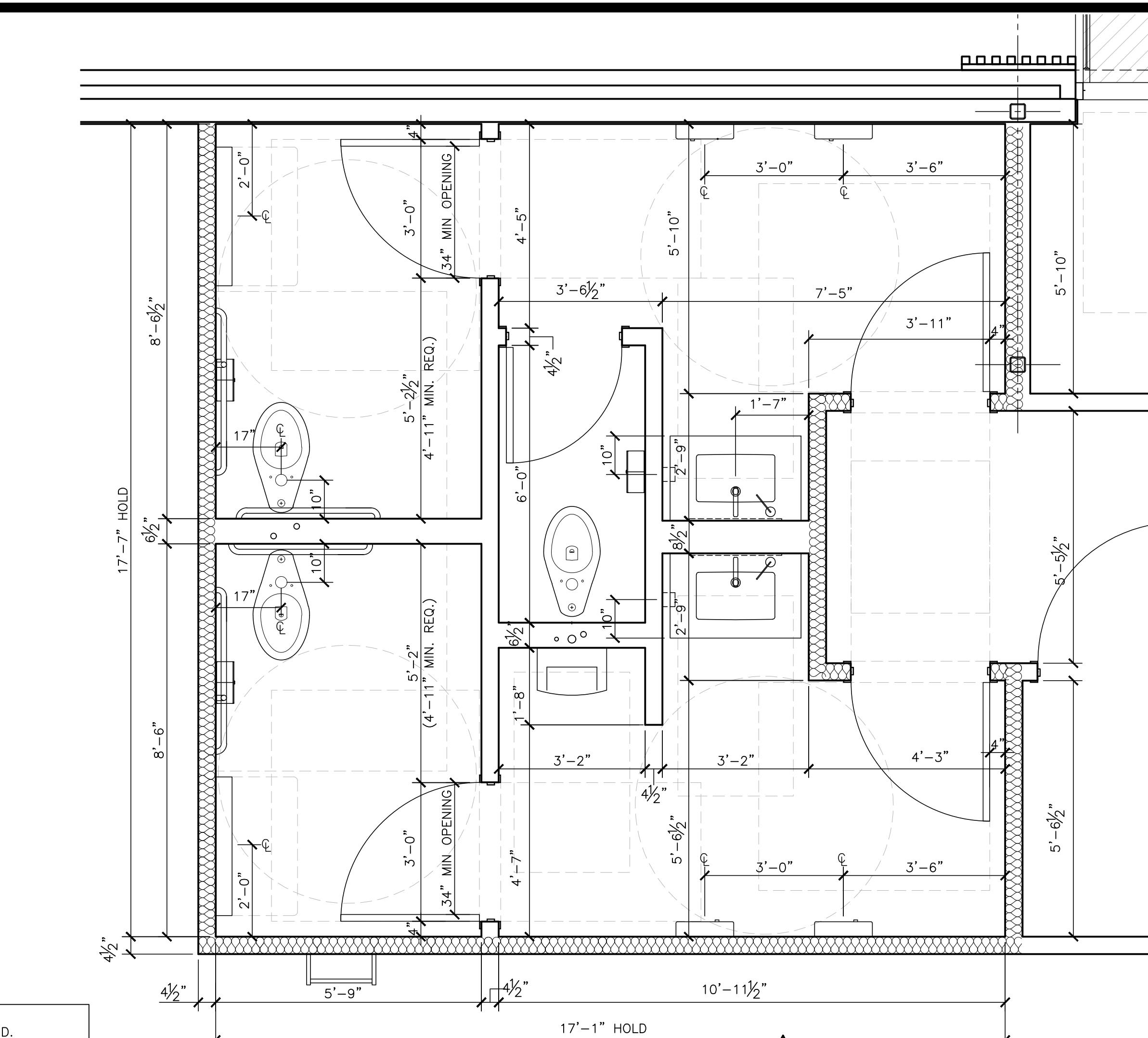
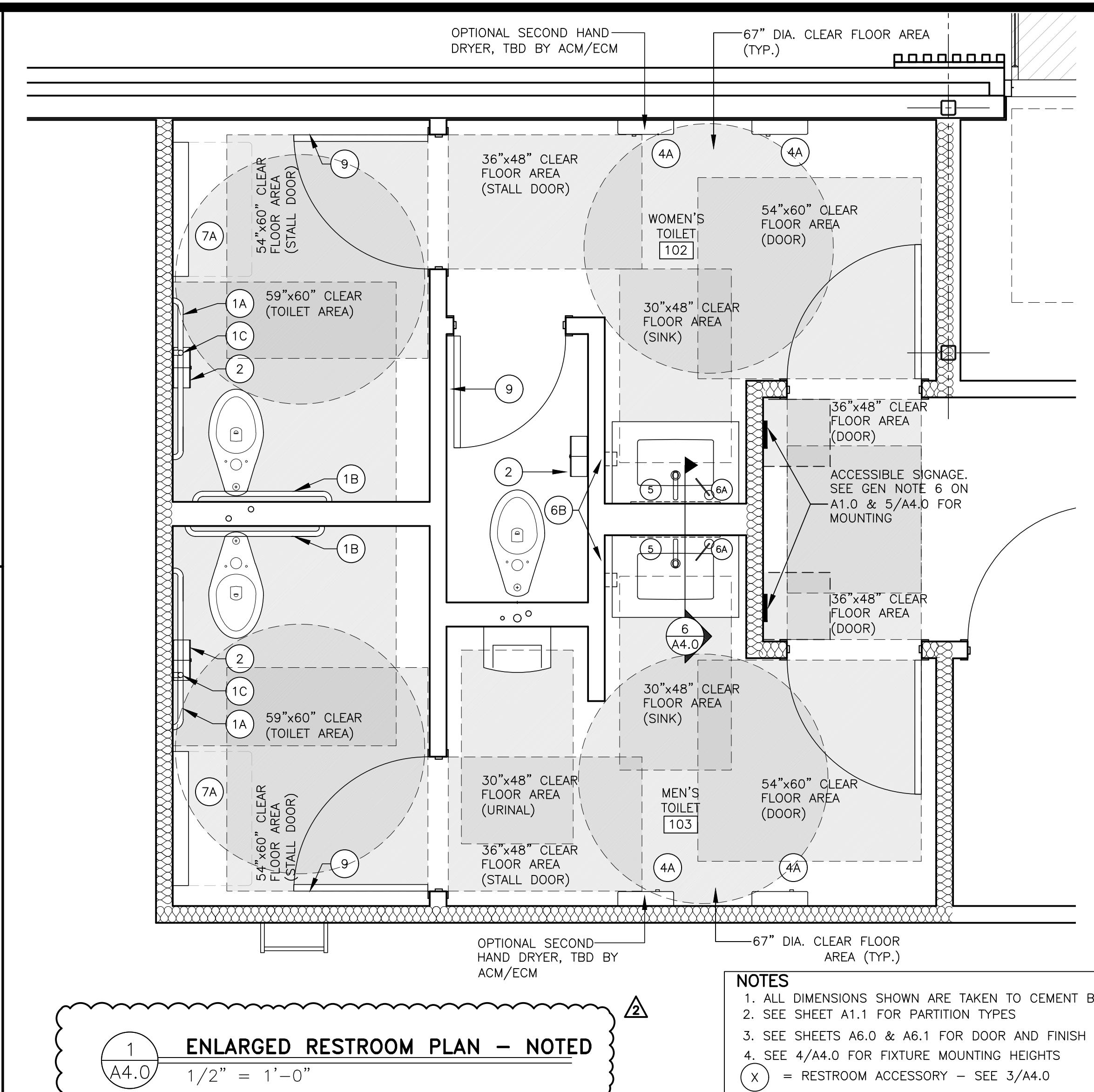
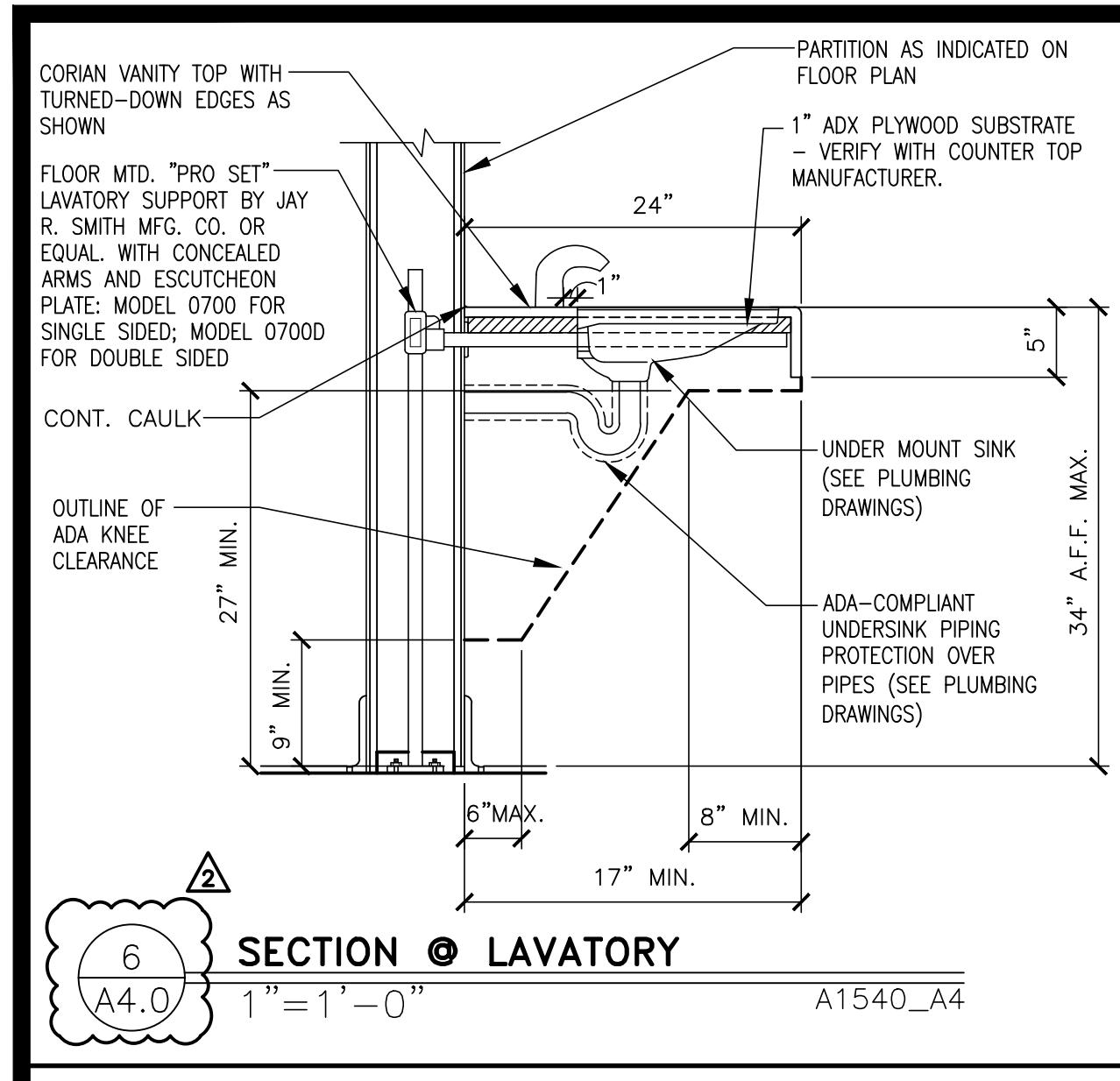


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ITEM NO.	TITLE	STD ISSUE DATE	REVIEWED BY	DATE ISSUED	REV	DESCRIPTION	BY
1	05/20/2024 MCD OC & CITY PLAN REVIEW COMMENTS	05/12/2025					
2	05/12/2025 CITY COMMENTS - BUILDING SIGNAGE LAYOUT - PROTO UPDATE						
3	05/13/2025 BUILDINGSQUARE-OFF & RTU UPDATE						
4							
5							
6							
7							
8							
9							

JAW 24-0018
A2.1A
ELEVATIONS





GRAPHICS SHOWN ARE FOR REFERENCE ONLY

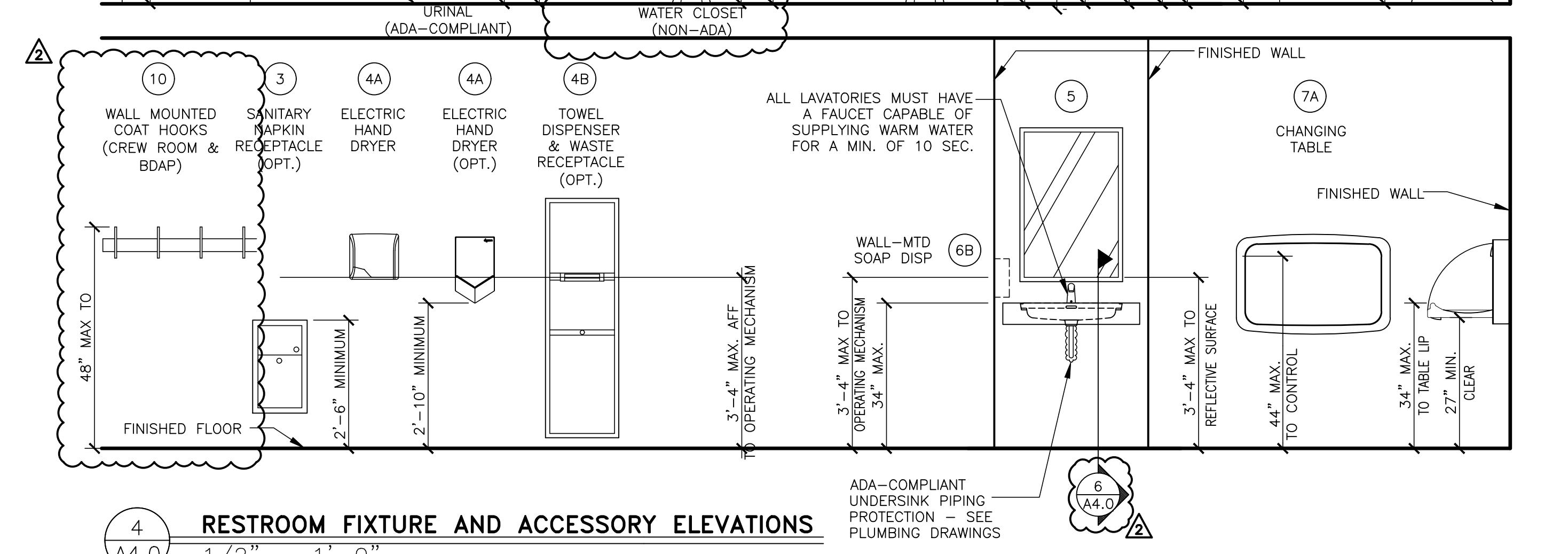
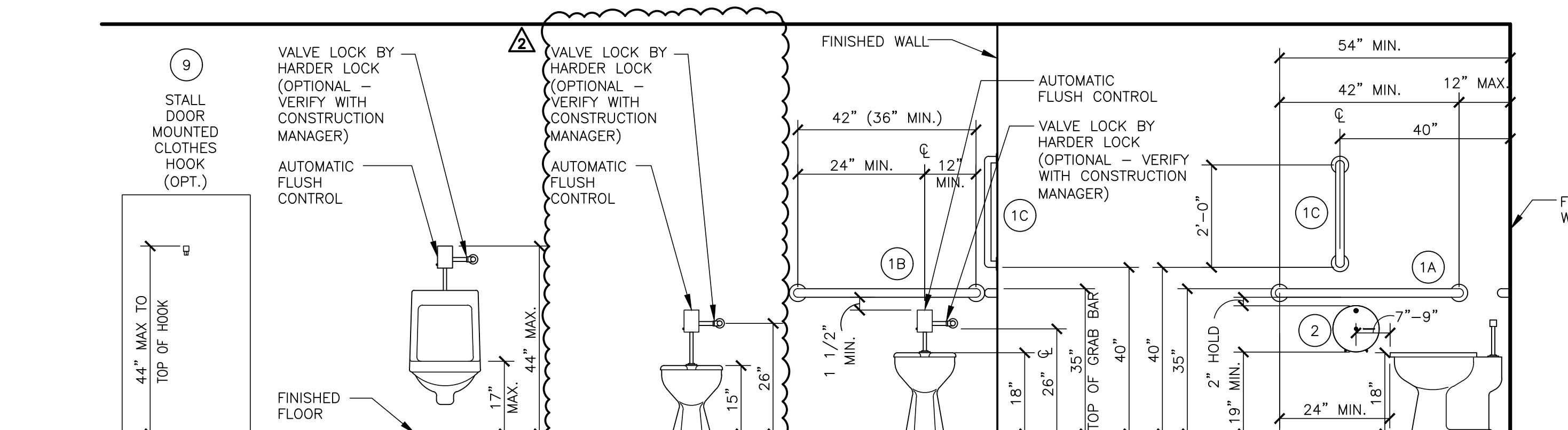
GC TO PROVIDE ADA SIGNAGE PACKAGE AND INSTALL SIGNS AT LOCATIONS AND POSITIONS INDICATED IN PACKAGE OR AS REQUIRED BY LOCAL CODES. SIGNAGE PACKAGE SUPPLIED BY:

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

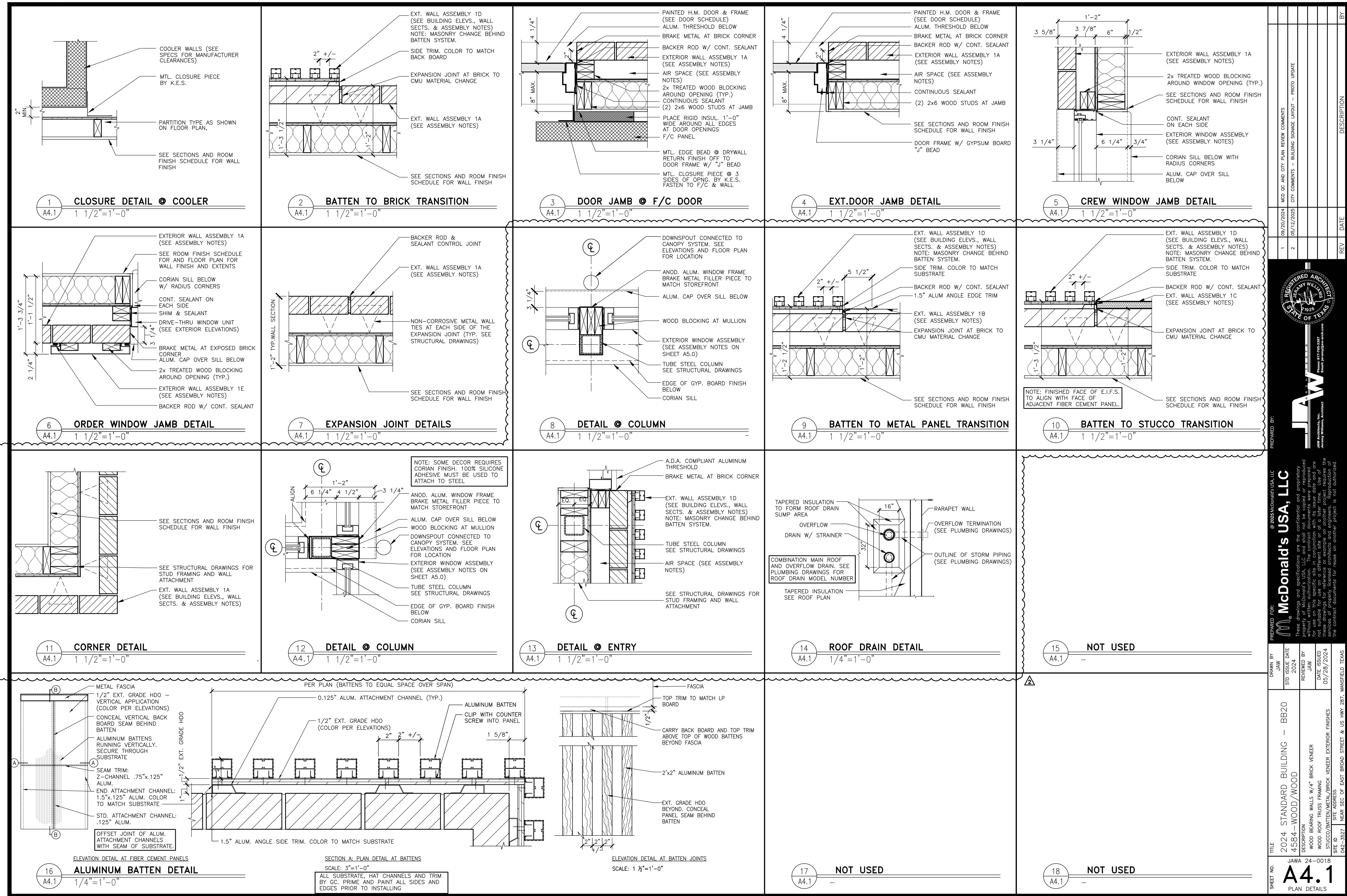


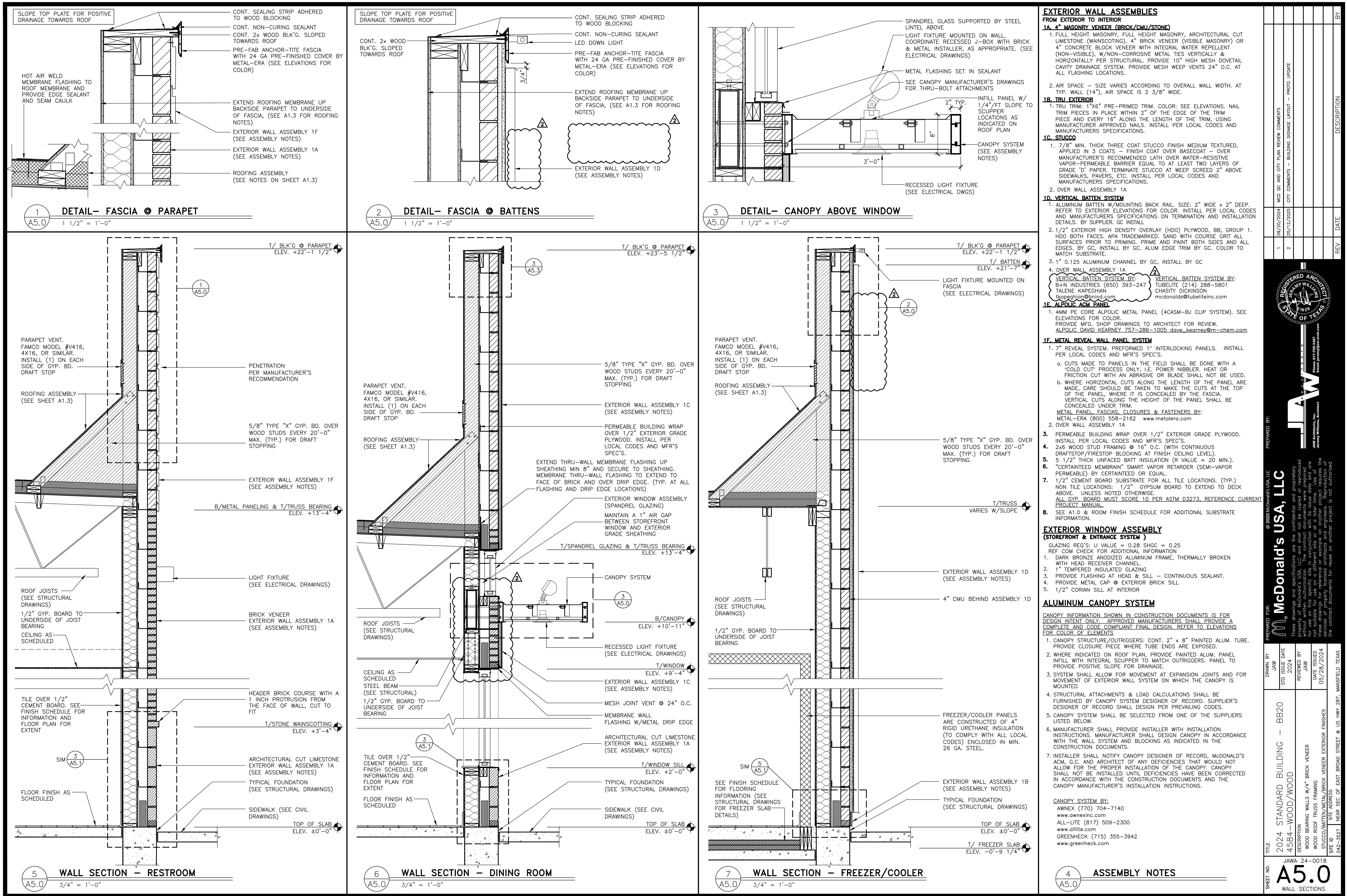
	ITEM (SEE NOTE 2)	MFR MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
1A	GRAB BAR 42"	BOBRICK B-6806X42	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	(1)2x6 4'-0" LONG CENTER MOUNTED
1B	GRAB BAR 36"	B-6806X36		
1C	GRAB BAR 24"	B-6806X24		
2	TOILET TISSUE DISPENSER, JUMBO, SURFACE MOUNTED	BRADLEY 5424	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJOMA.COM	FRAME WALL OPENING PER MANUFACTURER'S RECOMMENDATIONS
3	SANITARY NAPKIN RECEPTACLE, RECESSED (OPTIONAL)	BOBRICK B-354	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 RECEPTEACLE, 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	

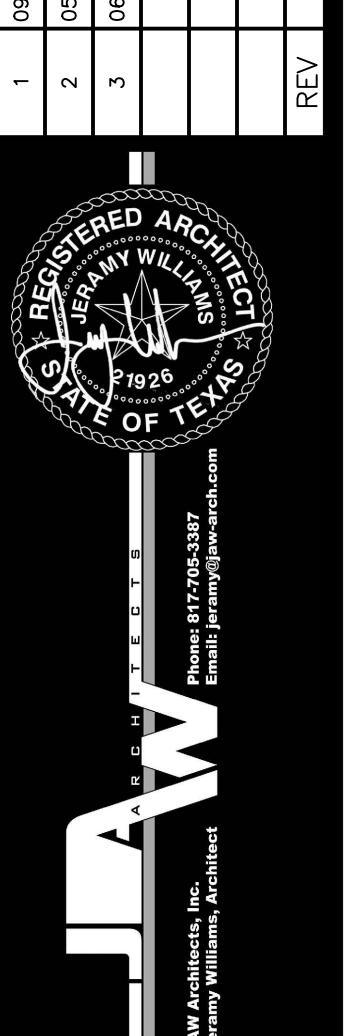
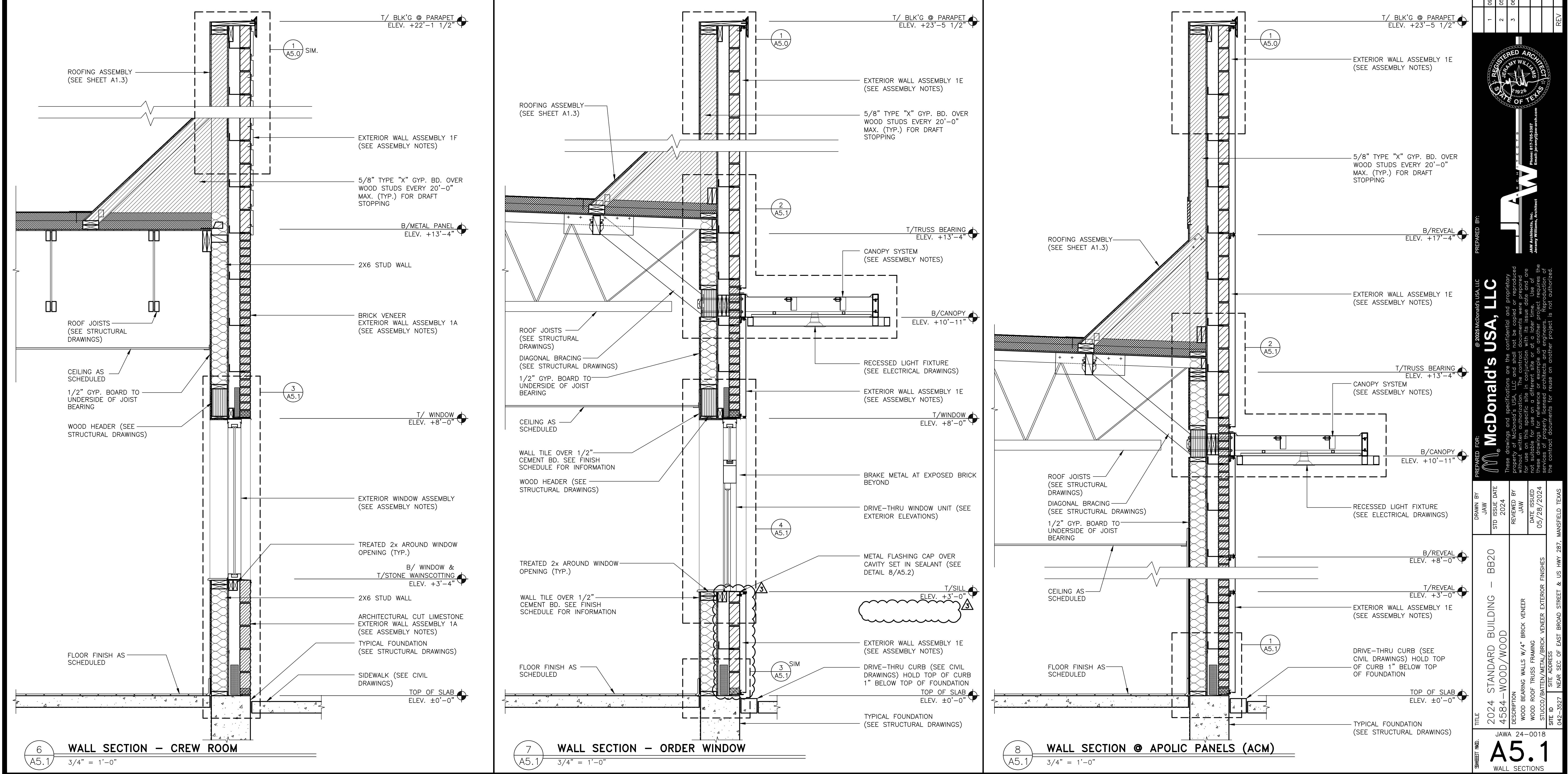
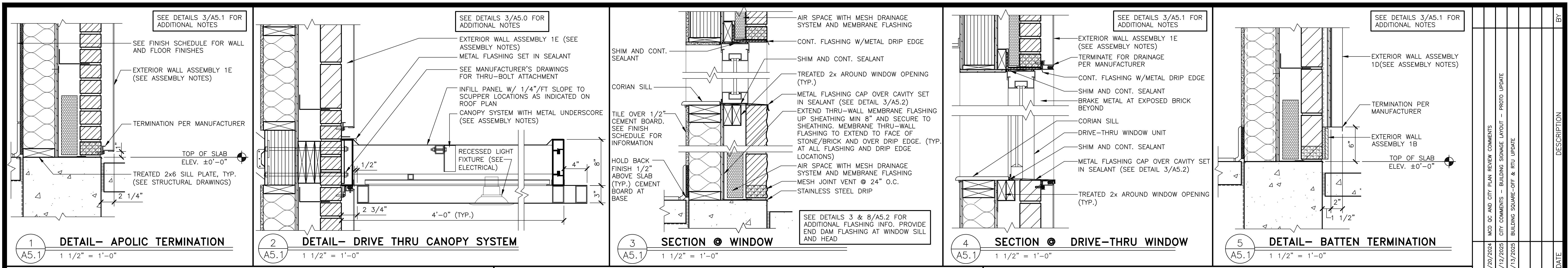
NOTES:

- 1) SEE 4/A4.0 FOR ACCESSORY MOUNTING HEIGHTS
- 2) SELECT ONE ITEM FROM ITEM GROUPS 4 & 6, VERIFY WITH AREA CONSTRUCTION MANAGER.
- 3) CUT BACK-UP SUPPORTS BETWEEN STUDS SO FACE OF SUPPORT IS FLUSH W/WALL STUD

RESTROOM ACCESSORY SCHEDULE







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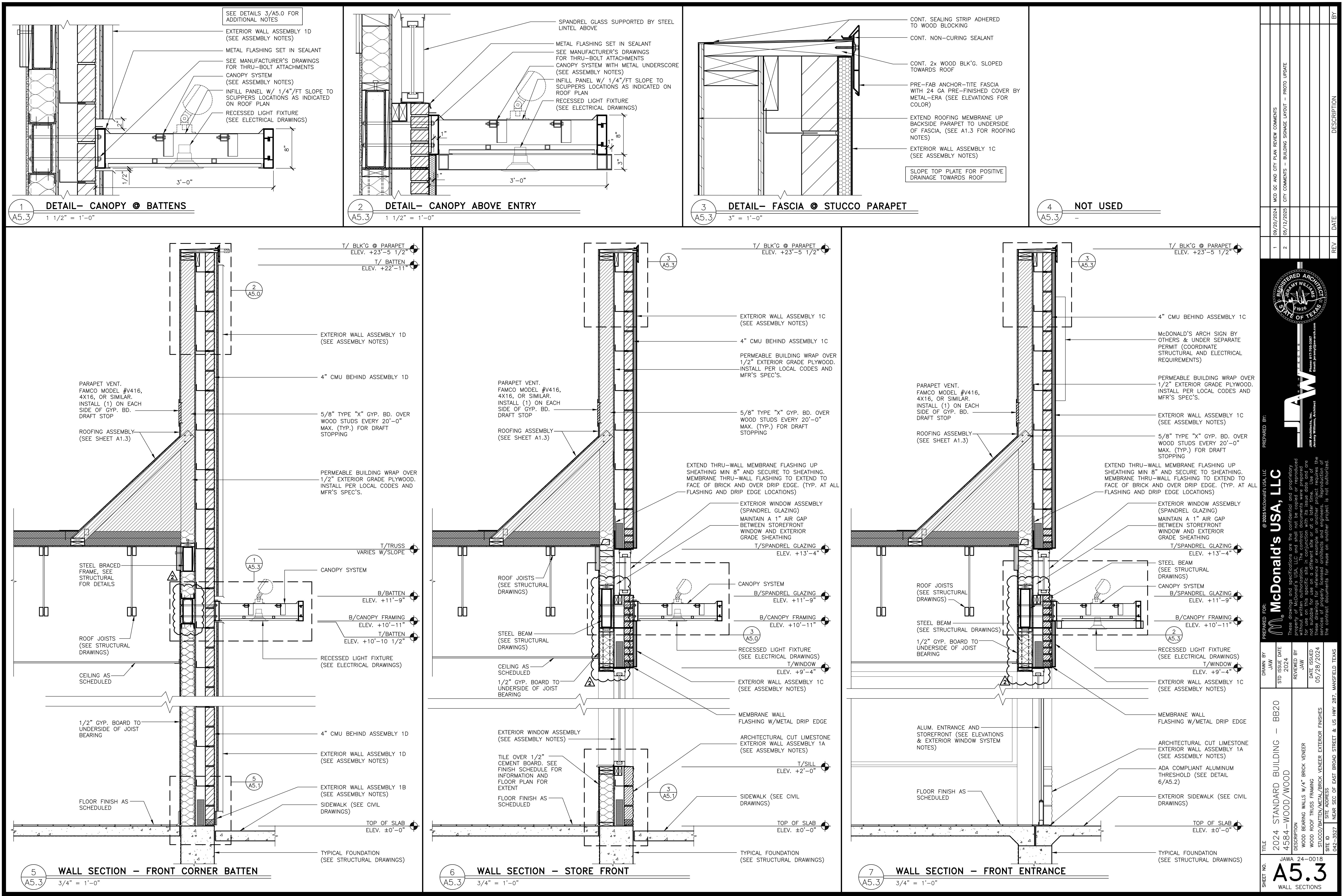
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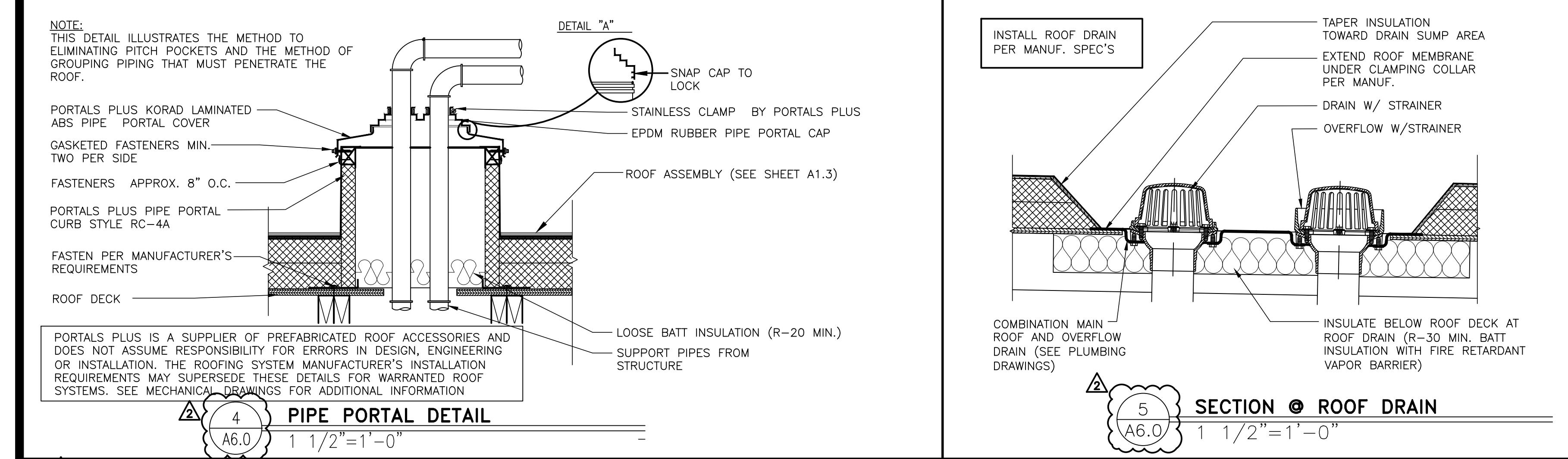
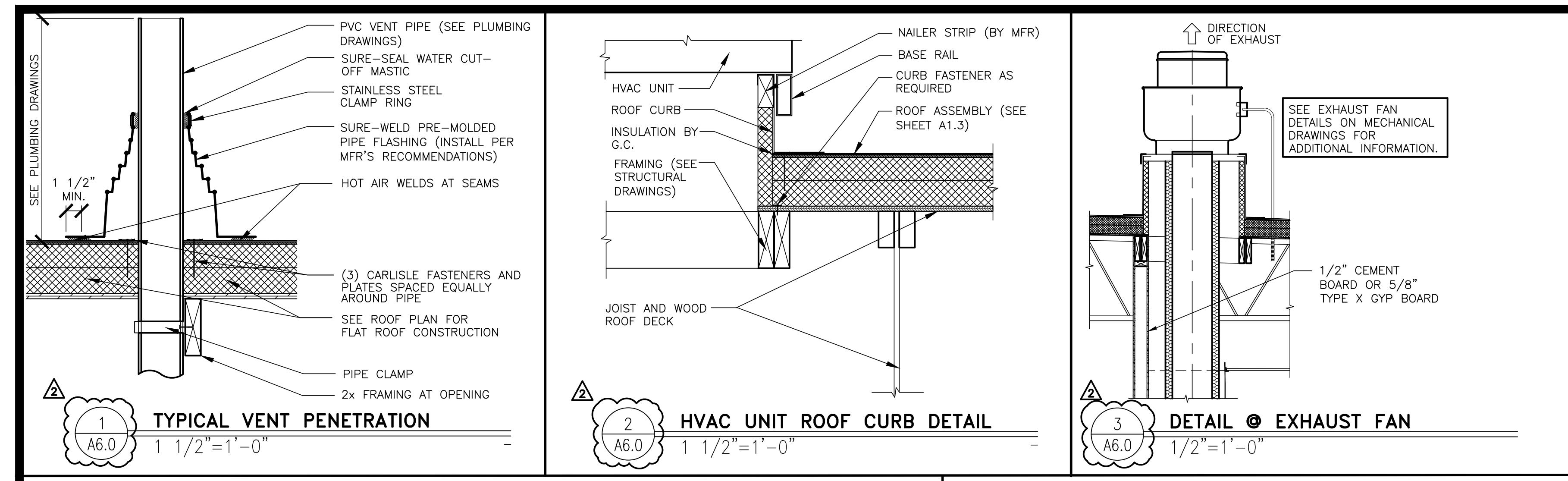
SHEET NO.	TITLE	DRAWN BY	STD ISSUE DATE	REVIEWED BY	DATE ISSUED
4584-WOOD/WOOD	2024 STANDARD BUILDING - BB20	JAW	2024	JAW	05/28/2024

A5.1

WALL SECTIONS

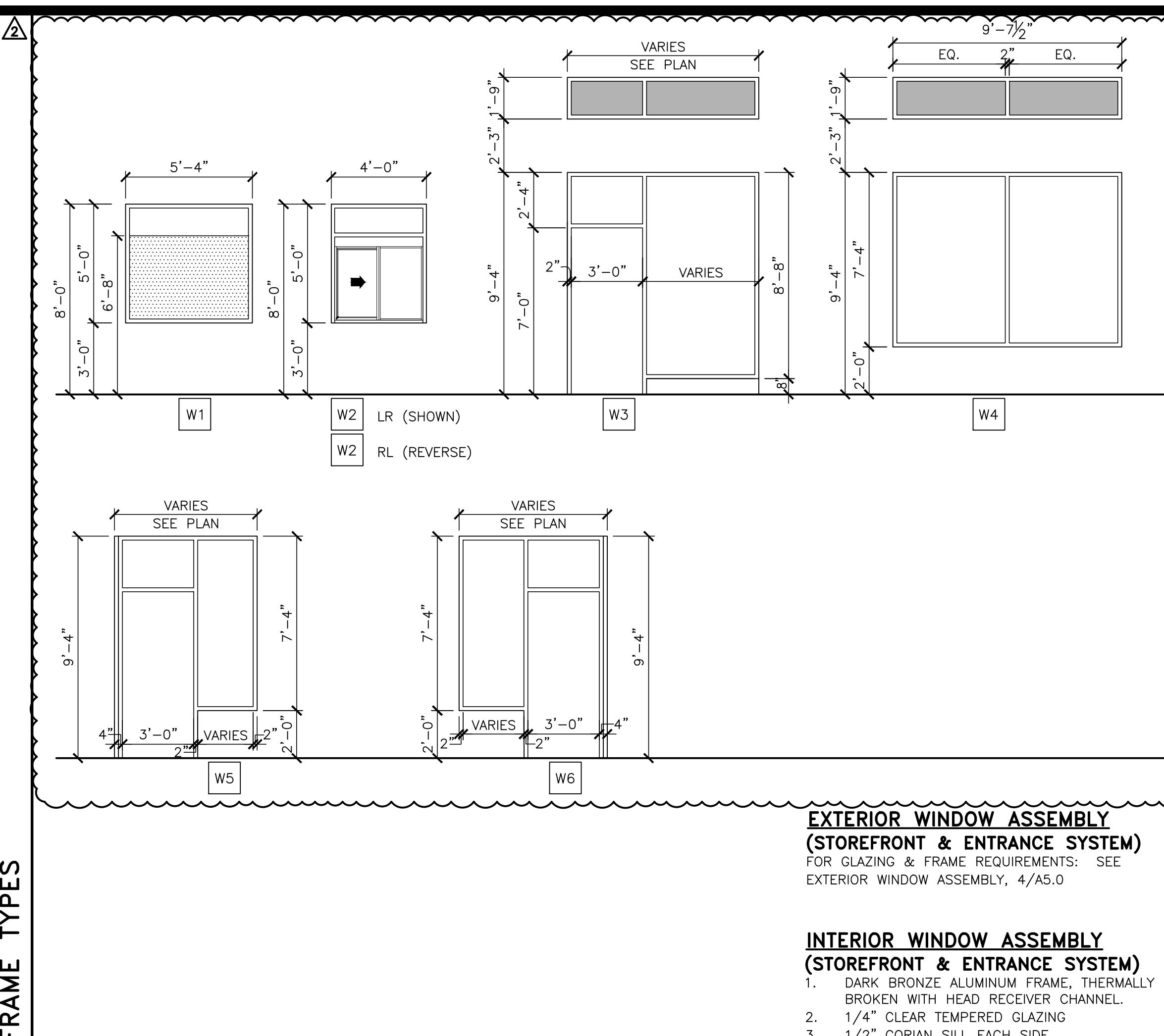
SHEET NO.	TITLE	STD ISSUE DATE	REVIEWED BY
A5.2	2024 STANDARD BUILDING - BB20 4584-WOOD/WOOD WOOD BEARING WALLS W/4" BRICK VENEER WOOD ROOF TRUSS FRAMING STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES SITE ADDRESS 042-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS	2024 05/28/2024 JAW	JAW 24-0018
DESCRIPTION	DATE ISSUED	DATE REVISED	BY
	05/20/2024 05/12/2025 05/15/2025		
ITEM	NOTES	DESCRIPTION	
1 A5.2	NOT USED		
2 A5.2	HEAD & SILL INTERIOR VESTIBULE WALL	3" = 1'-0"	HEAD & SILL INTERIOR VESTIBULE WALL
3 A5.2	SECTION @ DOOR HEAD	1 1/2" = 1'-0"	SECTION @ DOOR HEAD
4 A5.2	NOT USED	3" = 1'-0"	NOT USED
5 A5.2	SECTION @ DOOR SILL	1 1/2" = 1'-0"	SECTION @ DOOR SILL
6 A5.2	FLASHING DETAIL @ JAMB	N.T.S.	FLASHING DETAIL @ JAMB
7 A5.2	WALL SECTION - VESTIBULE/ENTRY	3/4" = 1'-0"	WALL SECTION - VESTIBULE/ENTRY
8 A5.2	FLASHING DETAIL @ JAMB	N.T.S.	FLASHING DETAIL @ JAMB
9 A5.2	HEAD & SILL INTERIOR VESTIBULE WALL	3" = 1'-0"	HEAD & SILL INTERIOR VESTIBULE WALL
10 A5.2	SECTION @ INTERIOR LADDER	3/4" = 1'-0"	SECTION @ INTERIOR LADDER
11 A5.2	GUARD RAIL DETAIL	1/2" = 1'-0"	GUARD RAIL DETAIL
PREPARED BY: JAW McDonald's USA, LLC ©2024 McDonald's USA, LLC These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without the express written consent of McDonald's USA, LLC. These drawings are intended for the sole use of the project team members involved in the construction of the building(s) shown. They are not to be distributed outside the project team without the express written consent of McDonald's USA, LLC. They are not suitable for use on a different site or at a later time. Use of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.			



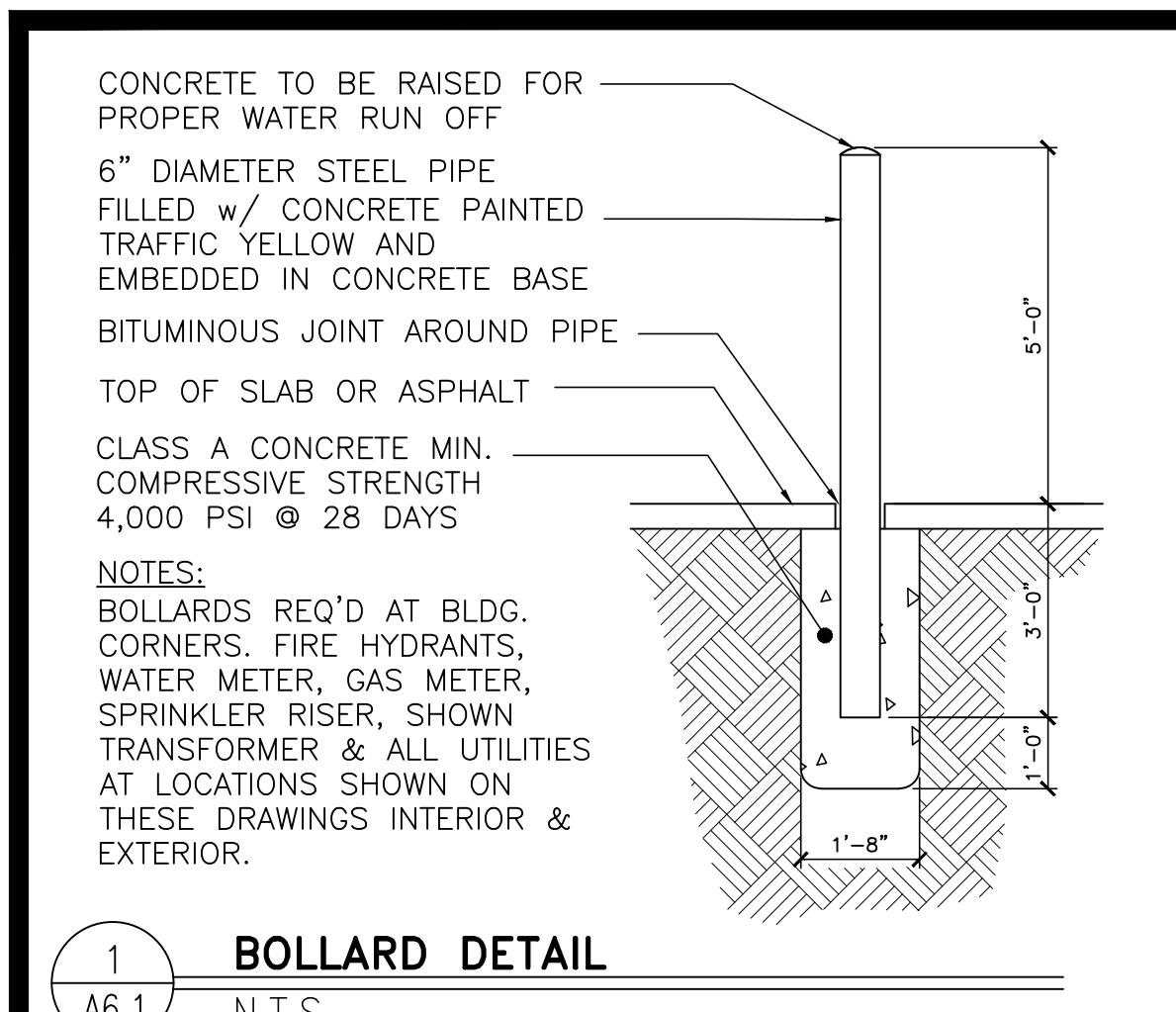


GENERAL NOTES	
1. ALL EXIT DOORS SHALL BE KEYLESS IN THE DIRECTION OF EGRESS.	
2. THE OPENING FORCE OF ALL EXT. PUSH/PULL DOORS SHALL NOT EXCEED 8 1/2 LBS.	
3. THE OPENING FORCE OF ALL INTERIOR PUSH/PULL DOORS SHALL NOT EXCEED 5 LBS.	
4. PROVIDE PANIC HARDWARE FOR ALL EXTERIOR DOORS AS NOTED ON THE DOOR 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 9975EO-LD 36" SP28 V.DUPRIN	
4. 1 EA TRIM 9900T US26 V.DUPRIN	
5. 1 EA ALARM LOCK PC21MSS ALARM	
6. 1 EA LOCKPLATE CLP110 US26D DON-JO	
7. 1 EA TREADPLATE 24 X 48 UNCO	
8. 1 EA WTH/STP160V 36 X 34 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 NOTED BY DOOR MANUFACTURER.	
3. 1 EA PULL HANDLE ROCKWOOD MFG. MODEL: RM3311. SIZE: 1-1/4" DIA. CTC: 5'-10".	
4. 1 EA PANIC HARDWARE ADAMS RITE MFG. CO. 8800 SERIES WITH OUTSIDE CYLINDER (FINISH TO MATCH STOREFRONT DOOR)	
5. 1 EA THRESHOLD NATIONAL GARD 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 MOUNTED 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/HANDLE HAGER PUSH/PULL SET 1640/VB.	
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 9975EO-LD 48" SP28 V.DUPRIN	
4. 1 EA TRIM 9900T US26 V.DUPRIN	
5. 1 EA ALARM LOCK PC21MSS ALARM	
6. 1 EA LOCKPLATE CLP110 US26D DON-JO	
7. 1 EA TREADPLATE 24 X 46 UNCO	
8. 1 EA WTH/STP160V 48 X 48" 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 US26 HAGER	
5. 1 EA DRIP CAP 16" X 60" 2 X 8" SMS-TEKS 6 X 3/4"	
6. 1 EA TREADPLATE 24 X 48" SMS-TEKS 6 X 3/4"	
7. 1 EA TREADPLATE 24 X 48" CUT W/ Holes 24" X 22"	
8. 1 EA TREADPLATE 24 X 48" CUT W/ Holes 24" X 34"	
9. 2 EA SURFACE BOLT 275D 8" US26D	
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" X 4 1/2" US26D HAGER	
2. 1 EA LOCK ND60PD RHO 626 SCHLAGE	
DOOR #8 - COMPUTER CLOSET (NOT USED)	
1. 3 EA HINGE BB1279 4 1/2" X 4 1/2" X 4 1/2" US26D HAGER	
2. 1 EA LOCK ND60PD RHO 626 SCHLAGE	
3. 2 EA FLUSH BOLT 28SD US26D HAGER	
DOOR #8A - COMPUTER CLOSET	
1. 8 EA HINGE BB1279 4 1/2" X 4 1/2" X 4 1/2" US26D HAGER	
2. 1 EA LOCK ND60PD RHO 626 SCHLAGE	
3. 2 EA FLUSH BOLT 28SD US26D HAGER	

DOOR HARDWARE	
1. 1 EA HINGE 780-112HD 83" ALUM HAGER	
2. 1 EA CLOSER 4111 H-CUSH ALUM LCN	
3. 1 EA PANIC 9975EO-LD 48" SP28 V.DUPRIN	
4. 1 EA PULL H3E US26 HAGER	
5. 1 EA DRIP CAP 16" X 60" 2 X 8" SMS-TEKS 6 X 3/4"	
6. 1 EA TREADPLATE 24 X 48" SMS-TEKS 6 X 3/4"	
7. 1 EA TREADPLATE 24 X 48" CUT W/ Holes 24" X 22"	
8. 1 EA TREADPLATE 24 X 48" CUT W/ Holes 24" X 34"	
9. 2 EA SURFACE BOLT 275D 8" US26D	
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	

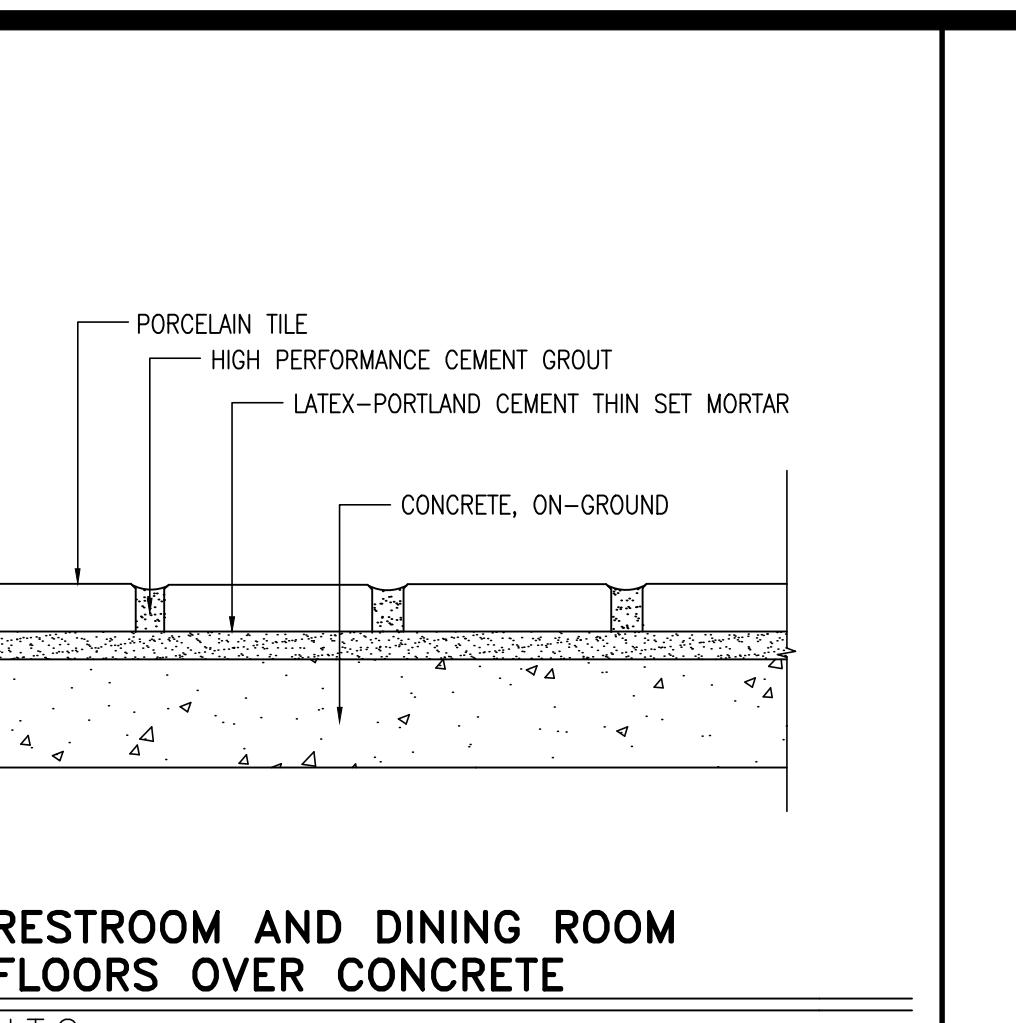


DOOR SCHEDULE	
MARK	DOOR
1	DOOR #4 - REAR EXIT
2	DOOR #9A & #9B - COOLER
3	DOOR #10
4	DOOR #5 - RESTROOM ENTRY
5	DOOR #11 (NOT USED) PLAYPLACE RESTROOM
6	DOOR #12 (EMERGENCY EXIT ONLY) (NOT USED) - PLAYPLACE EMERGENCY EXIT
7	DOOR #13 (NOT USED) 38111 COUNTER DOOR
8	DOOR #14 (NOT USED) MANAGERS OFFICE
9	DOOR #15 CO2
10	DOOR #6 - ADA STALL
11	DOOR #16 CREW ROOM
12	DOOR #7 - DINING ROOM JANITOR'S CLOSET
13	DOOR #8 - COMPUTER CLOSET (NOT USED)
14	DOOR #8A - COMPUTER CLOSET
15	DOOR #17 - DUMPSTER
16	DOOR #18 - STAFF ONLY
17	DOOR #19 - STAFF ONLY
18	DOOR #20 - STAFF ONLY
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134	DOOR #136 - STAFF ONLY
135	DOOR #13



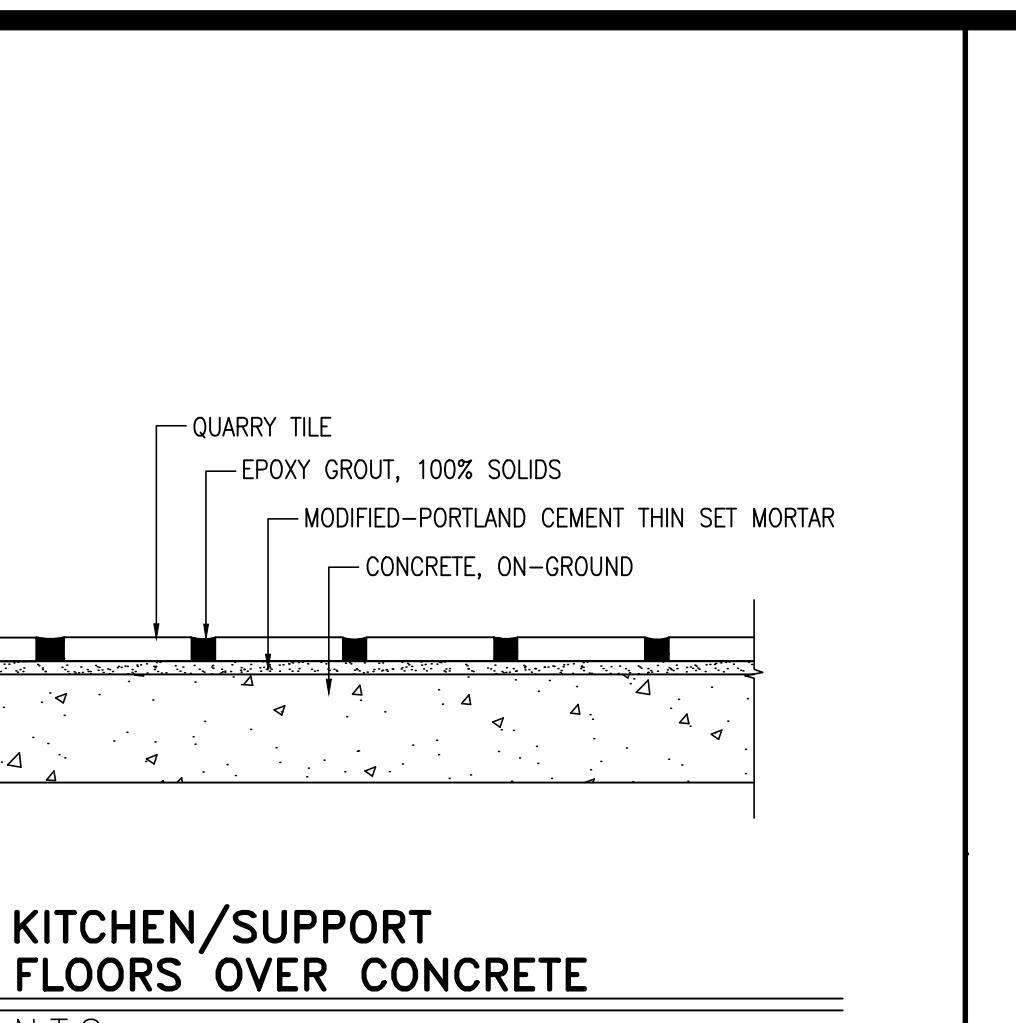
1 BOLLARD DETAIL

A6.1 N.T.S.



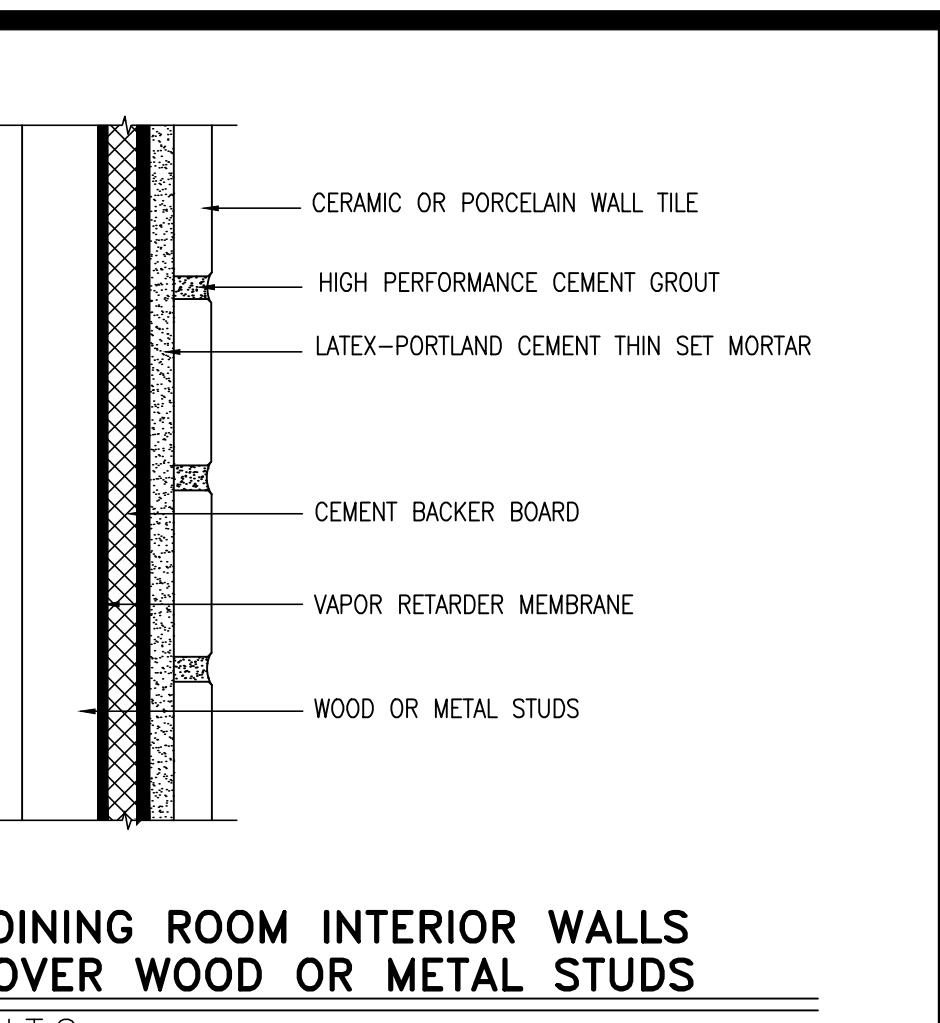
2 RESTROOM AND DINING ROOM FLOORS OVER CONCRETE

A6.1 N.T.S.



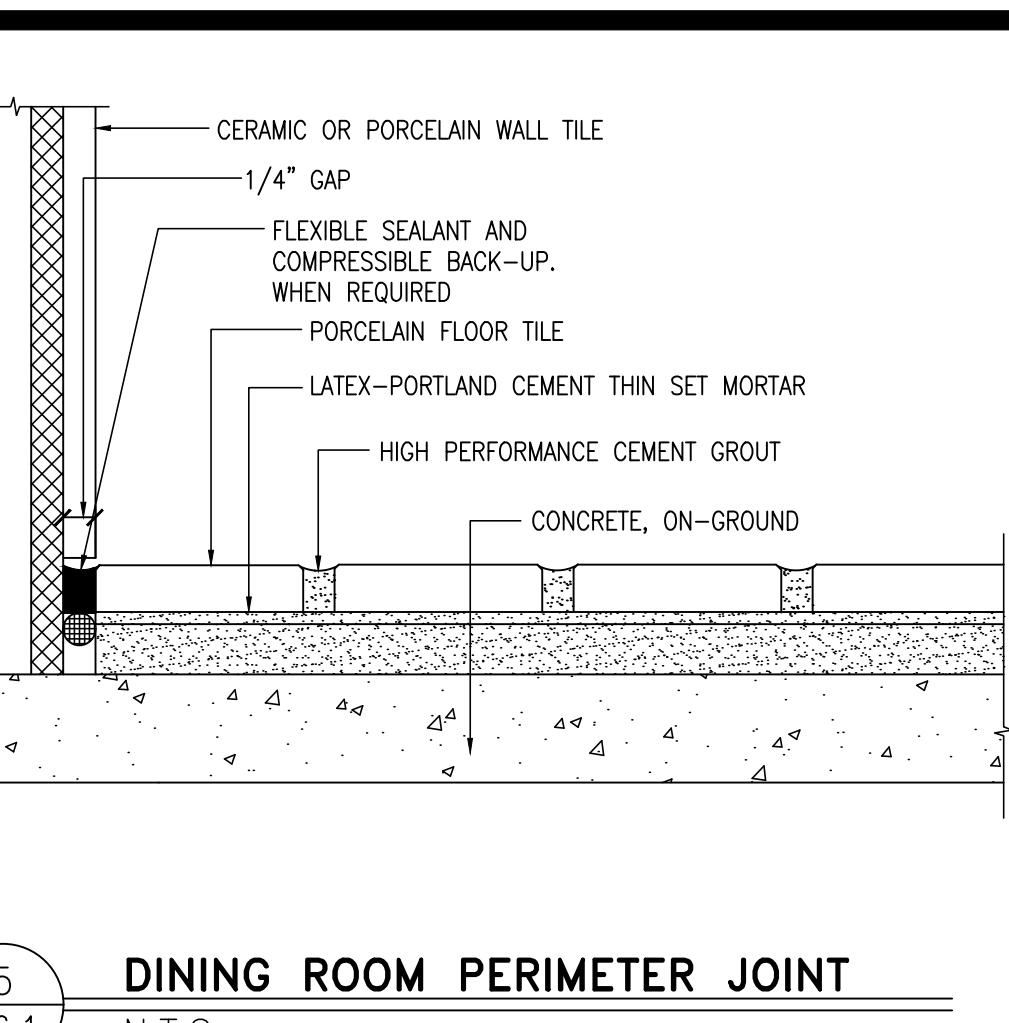
3 KITCHEN/SUPPORT FLOORS OVER CONCRETE

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)
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	SEE ROOM FINISH SCHEDULE	(NOTE 5B)	LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED)
109	CREW ROOM	SEE ROOM FINISH SCHEDULE	---	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	CO2	N/A - SEE ROOM FINISH SCHEDULE	---	---

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	CO2	N/A - SEE ROOM FINISH SCHEDULE	---	---	---

ROOM FINISH SCHEDULE - LUNA

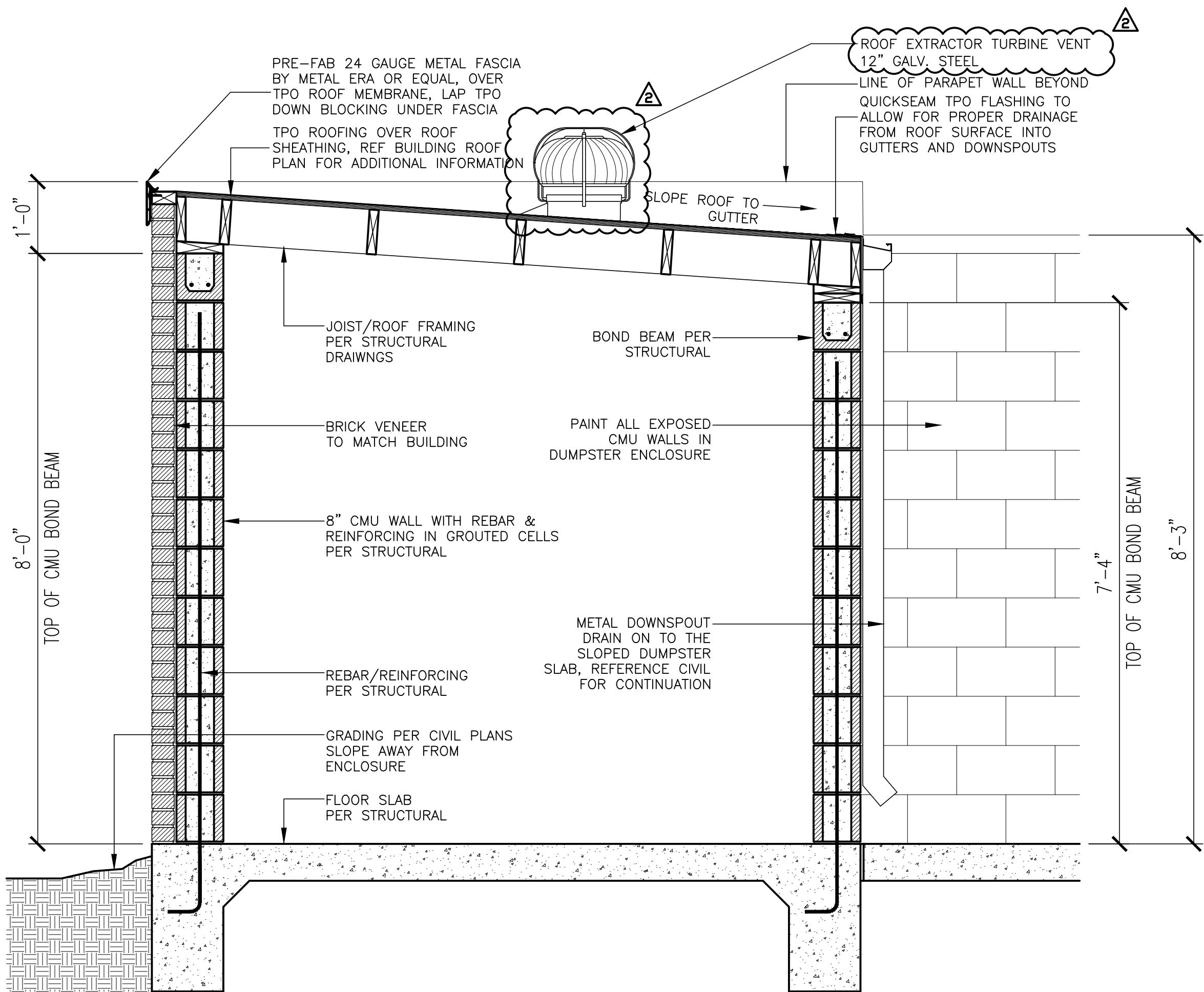
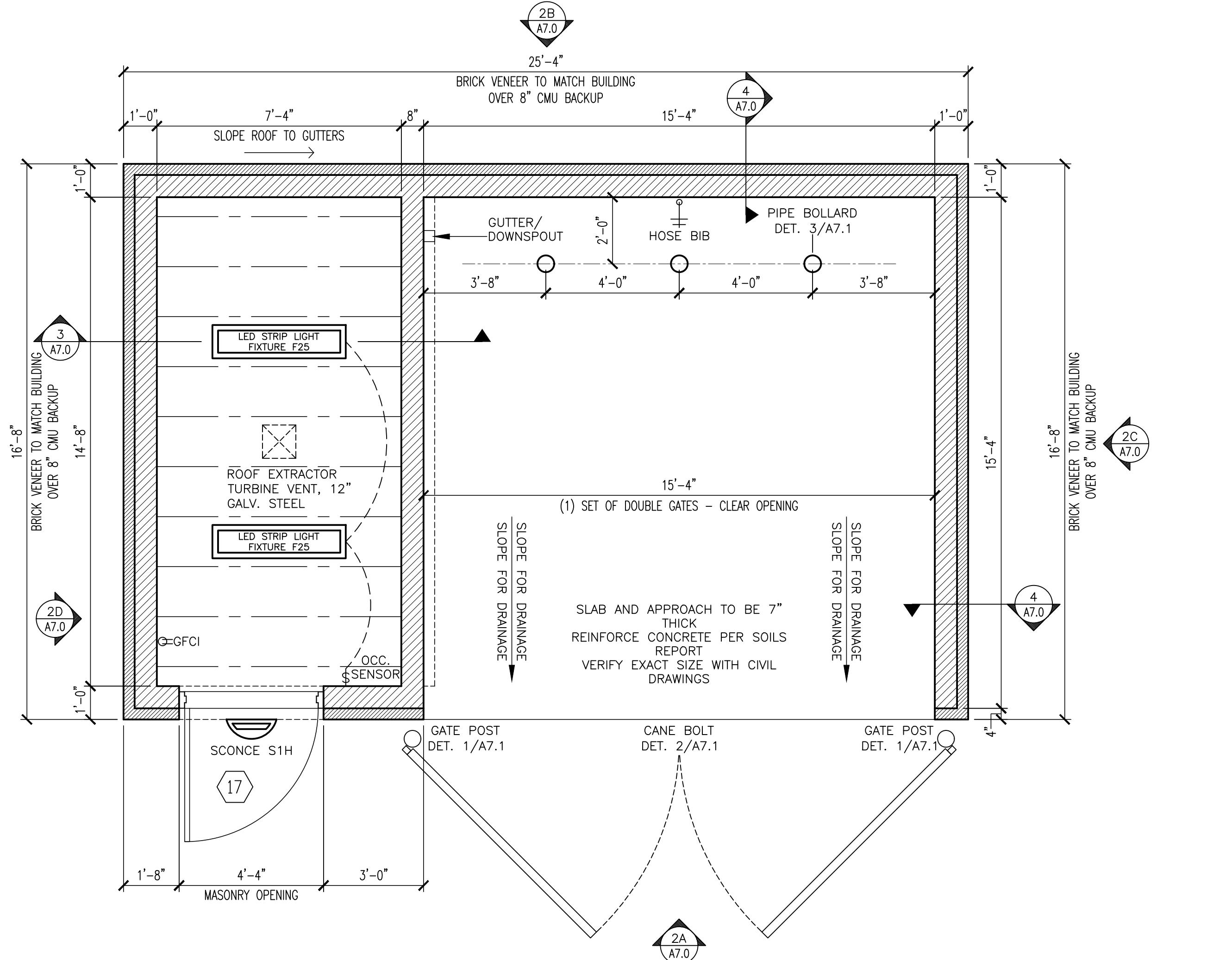
MARK	ROOM NAME	SUBSTRATE	FINISH	CEILING *	REMARKS
100	CUSTOMER SERVICE	CEMENT BOARD	TILE **	TILE AS NOTED ON A1.1 AND A3.1 ▲	2'x2" VINYL-FACED LAY-IN
101	DINING	CEM BD/GYP BD	TILE/V.W.C. **	SEE DINING ROOM FINISH SCHEDULE	
102	WOMEN'S TOILET	CEMENT BOARD	TILE		PAINTED GYP. BD.
103	MEN'S TOILET	CEMENT BOARD	TILE		BENJAMIN MOORE - "OC-17 WHITE DOVE"
104	SUPPORT	CEMENT BOARD	TILE		BENJAMIN MOORE - "OC-17 WHITE DOVE"
105	KITCHEN	CEMENT BOARD	TILE	STAINLESS STEEL CORNERS	SEE NOTE 5 FOR WALL FINISH EXCEPTIONS
106	PRESENTER-1	CEMENT BOARD	TILE	SEE SHEET A1.1 FOR EXTENT OF CEMENT BOARD, SS OR CT	
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	2'x2" VINYL-FACED LAY-IN
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		PAINTED GYP. BD.
113	CREW ALCOVE	CEMENT BOARD	TILE	STAINLESS STEEL CORNERS, TILE OVER CEM BD AS NOTED ON A1.1	SEE SHEET A1.1 FOR EXTENT OF CEMENT BOARD, SS OR CT
114	JANITOR'S CLOSET	1/2" PLYWOOD (NOTE 4)	FRP		PAINTED GYP. BD.
115	VESTIBULE	CEM BD/GYP BD	TILE/V.W.C.	SEE DINING ROOM FINISH SCHEDULE	EXT GRADE PLYWOOD (NOTE 4) SEE NOTE 5A
116	PRESENTER-2	CEMENT BOARD	TILE		OPTIONAL PEDIMAT. SEE DETAILS 7/A6.1. VERIFY WITH MCD CONSTRUCTION MANGER
117	CO2	CEMENT BOARD	TILE		2'x2" VINYL-FACED LAY-IN
					PAINTED GYP. BD.
					EXT GRADE PLYWOOD (NOTE 4) SEE NOTE 7

DINING ROOM FINISH SCHEDULE - LUNA

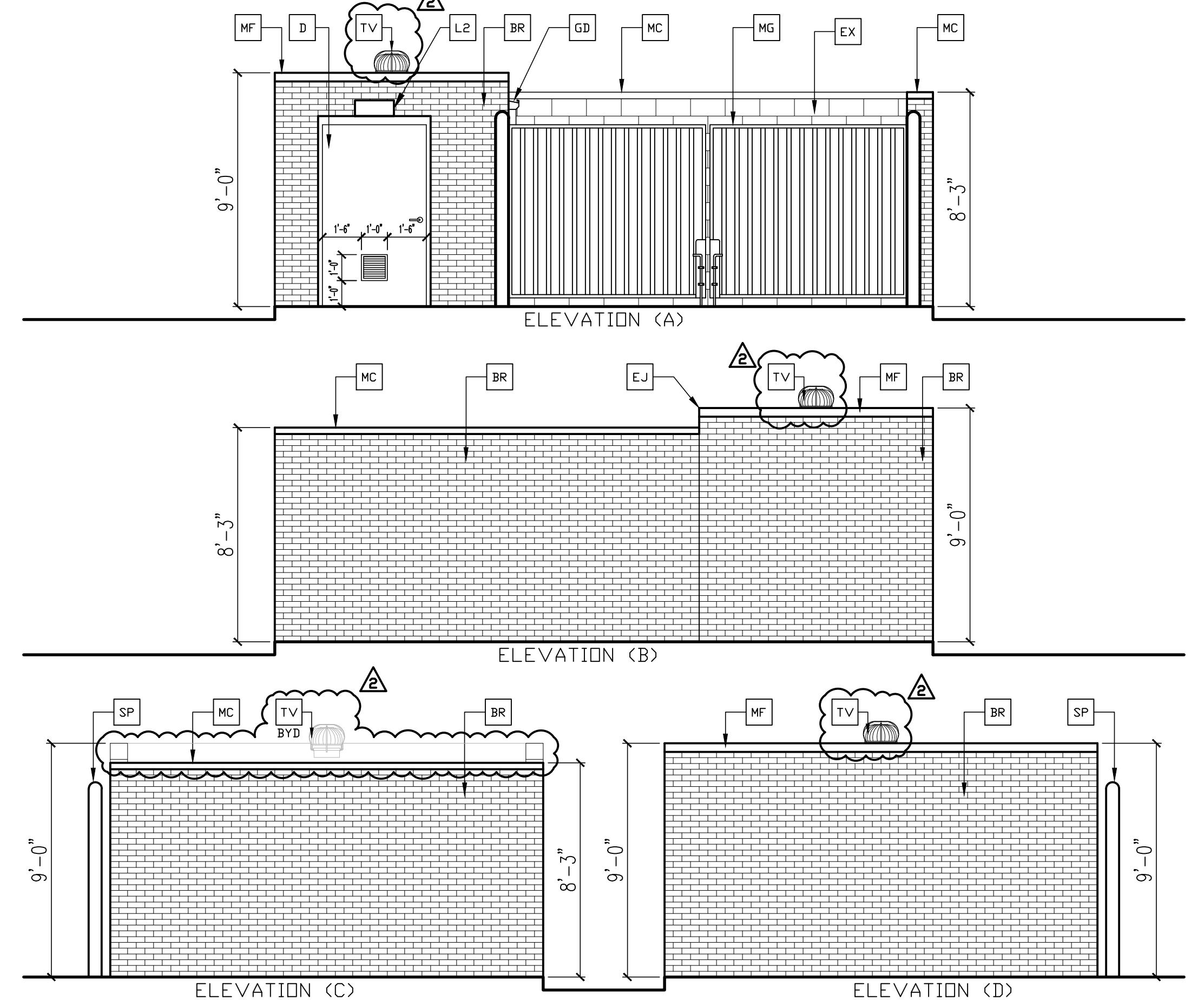
MARK	QUANTITY	TYPE	PRODUCT, FINISH & COLOR	REMARKS
D1	N/A	WALL/WAINSCOT TILE	CROSSVILLE - MOONLIGHT GREY 24"x24"	GROUT: MAPEI ULTRACOLOR GRAY 09 - JOINT 1/16" MAX
D2	N/A	WALL PANELING	LAMITECH - 1467 MT LINEAL OAK 48"x120"	
D3	N/A	WALL PANELING	MDF WITH ROUTED V-GROOVE, LAQUERED TO MATCH RAL 9010, 3/4"x47.5"x96"	
D4	N/A	WALLCOVERING	KORSEAL WALLCOVERING - 7421-30 CIPRIANI FOUNTAIN HEAD	
D5	N/A	WALLCOVERING	ASA WALLCOVERING - NAT-GREEN	
D6	N/A	SERVICE AREA TRIM	SCHLUTER - QUADEC - TUSCAN PEWTER QBTSG	
D7	N/A	MAIN DINING TRIM	SCHLUTER - QUADEC - SATIN ANODIZED ALUMINUM	
D8	N/A	LAMINATE BASE	LAMITECH - 2255 MT IRON, COMPACT	
D9	N/A	WINDOW SILLS AND CASEMENT	DUPONT -CORIAN "DEEP CLOUD"	
D10	N/A	MAIN CEILING TILE	ACOUSTICAL SURFACES INC - WOOD WOOL "5/8"x24"x48" DROP IN CEILING W/ SQUARE EDGES	FACTORY PAINTED: BENJAMIN MOORE - GALVESTON GRAY AC-27
D11	N/A	MAIN CEILING GRID	USG - DX/EX INTERMEDIATE DUTY GRID	CUSTOM PAINTED: BENJAMIN MOORE - GALVESTON GRAY AC-27
D12	N/A	CEILING VENT PAINT	BENJAMIN MOORE - GALVESTON GRAY AC-27	
D13	1	PARTITION W/ HALF WALL	TEXTURED GREY POWDERCOAT ROUND MESH AND FRAME, WALL FINISH - LAMITECH - 1467 MT LINEAL OAK	TRIM FINISH: SIGNAL YELLOW SEMI-GLOSS POWDERCOAT
D14	1	FIRE WALL GRAPHIC	SET OF 4	LIGHTING BY PERSONA
D15	4	LUN WINDOW SHUTTER	TEXTURED GREY POWDERCOAT ROUND MESH AND FRAME	SEE ELECTRICAL
D16	SEE PLAN	COVE LIGHTING	SECURITY LIGHTING - FLEXIBLE TAPE LIGHT	SEE ELECTRICAL
D17	SEE PLAN	PENDANT LIGHTING	SECURITY LIGHTING - ORBIT PENDANT LIGHT	
D18				
D19				
D20				

PRE-FAB MOP SINK BY ADVANCE TABCO AVAILABLE AS AN ALTERNATE OPTION, SEE P4.1. WHERE PRE-FAB MOP SINK USED, DEPTH TO BE 8-7/8" TO ACCOMMODATE FACTORY BUILT MOP SINK DIMS.

GENERAL FINISH NOTES:
 1. REFERENCE: McDONALD'S PROJECT MANUAL - SECTION 093000
 2. 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)
 - MAYFLOWER RED 31XA (OPTIONAL) - VERIFY W/ McDONALD'S ACM
 3. DINING ROOM FLOOR TILE:
 - TILE: CROSSVILLE 24"x24" "CLOUD NINE"
 - GROUT: MAPEI ULTRACOLOR IRON 107 - JOINT 1/16" MAX.
 4

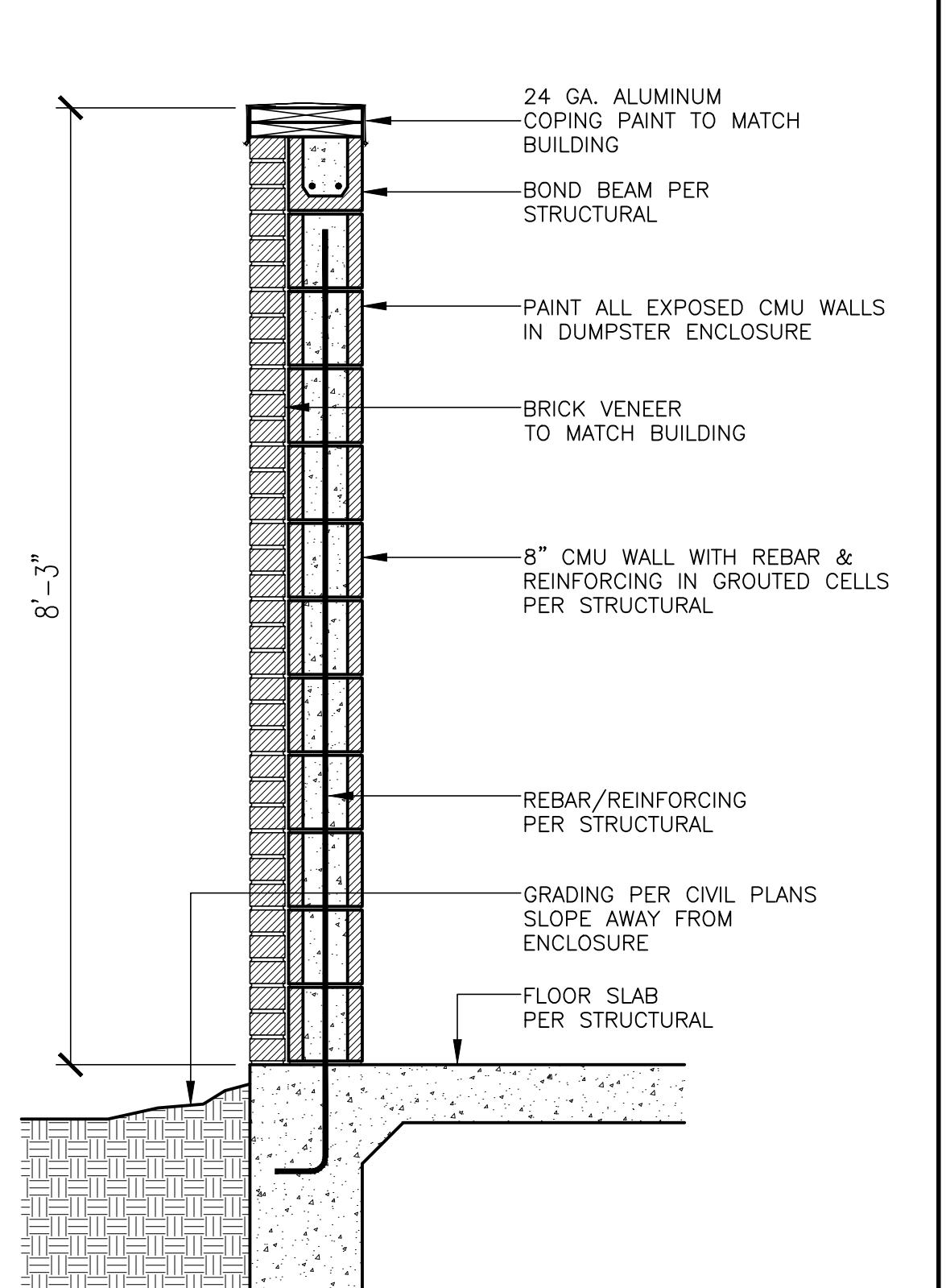


1 | DUMPSTER ENCLOSURE PLAN SCALE 3/8"=1'-0"



2 | DUMPSTER ELEVATIONS SCALE 1/4"=1'-0"

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



KEY NOTES:

- [Symbol] BR MODULAR FACE BRICK COLOR: "SLATE GREY" SMOOTH BY HEBRON BRICK COMPANY
- [Symbol] D HOLLOW METAL DOOR PAINT: "GAUNTLET GREY" SW7019 BY SHERWIN WILLIAMS
- [Symbol] EJ EXPANSION JOINT, SEE DETAIL 7/A4.1
- [Symbol] MF METAL FASCIA - PRE-FAB ANCHOR-TITE FASCIA COLOR: RAL 7022
- [Symbol] MC 24 GAUGE ALUMINUM COPING OVER CMU ENCLOSURE WALLS COLOR TO MATCH "MF"
- [Symbol] SP STEEL CONCRETE FILLED POST - PAINT TO MATCH BUILDING TRIM COLOR RAL 7022
- [Symbol] MG METAL GUTTERS AND DOWNSPOUT - DRAIN INTO DUMPSTER ENCLOSURE DRAIN COLOR TO MATCH "MF"
- [Symbol] L2 RADIAL SCONCE LIGHT FIXTURE - SEE ELECTRICAL COLOR: PLATINUM SILVER
- [Symbol] EX GC TO PAINT EXPOSED CMU BLOCK (INSIDE ENCLOSURE) TO MATCH RAL 7022

GENERAL NOTES:

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

5/8" PUDLE 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 #LC4-40ML-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.

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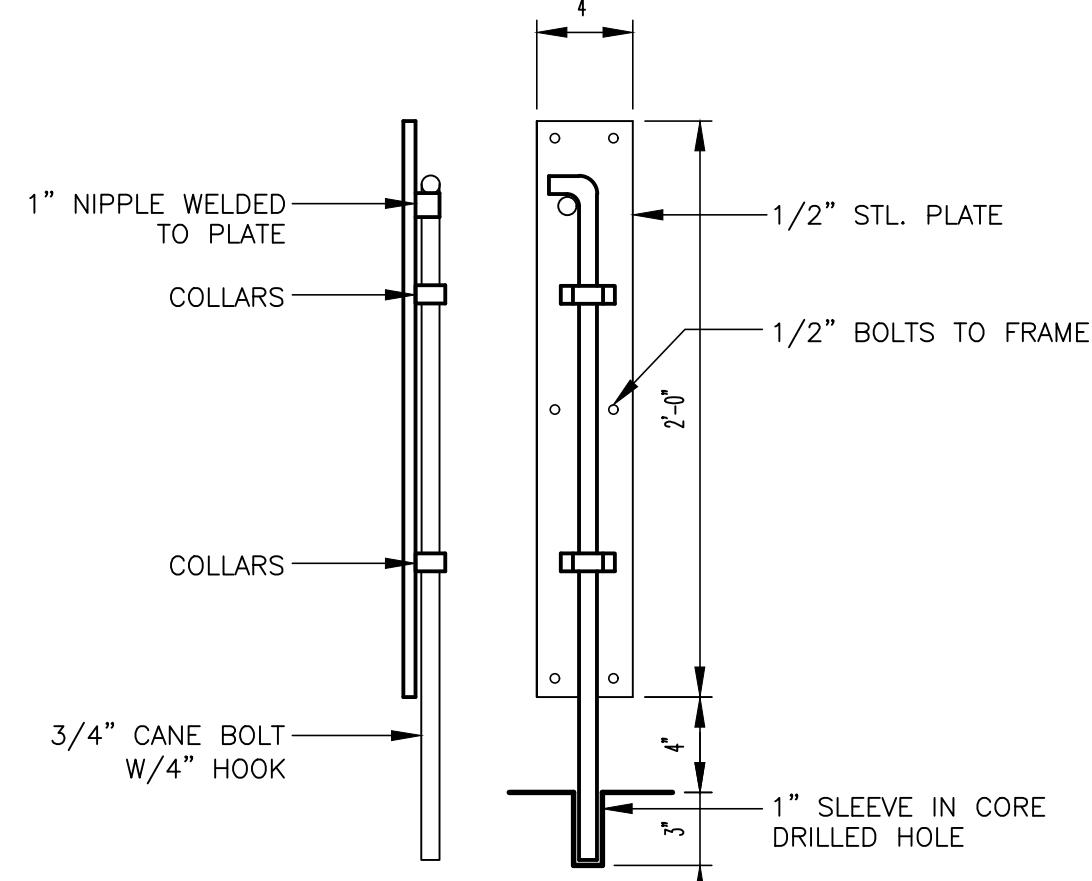
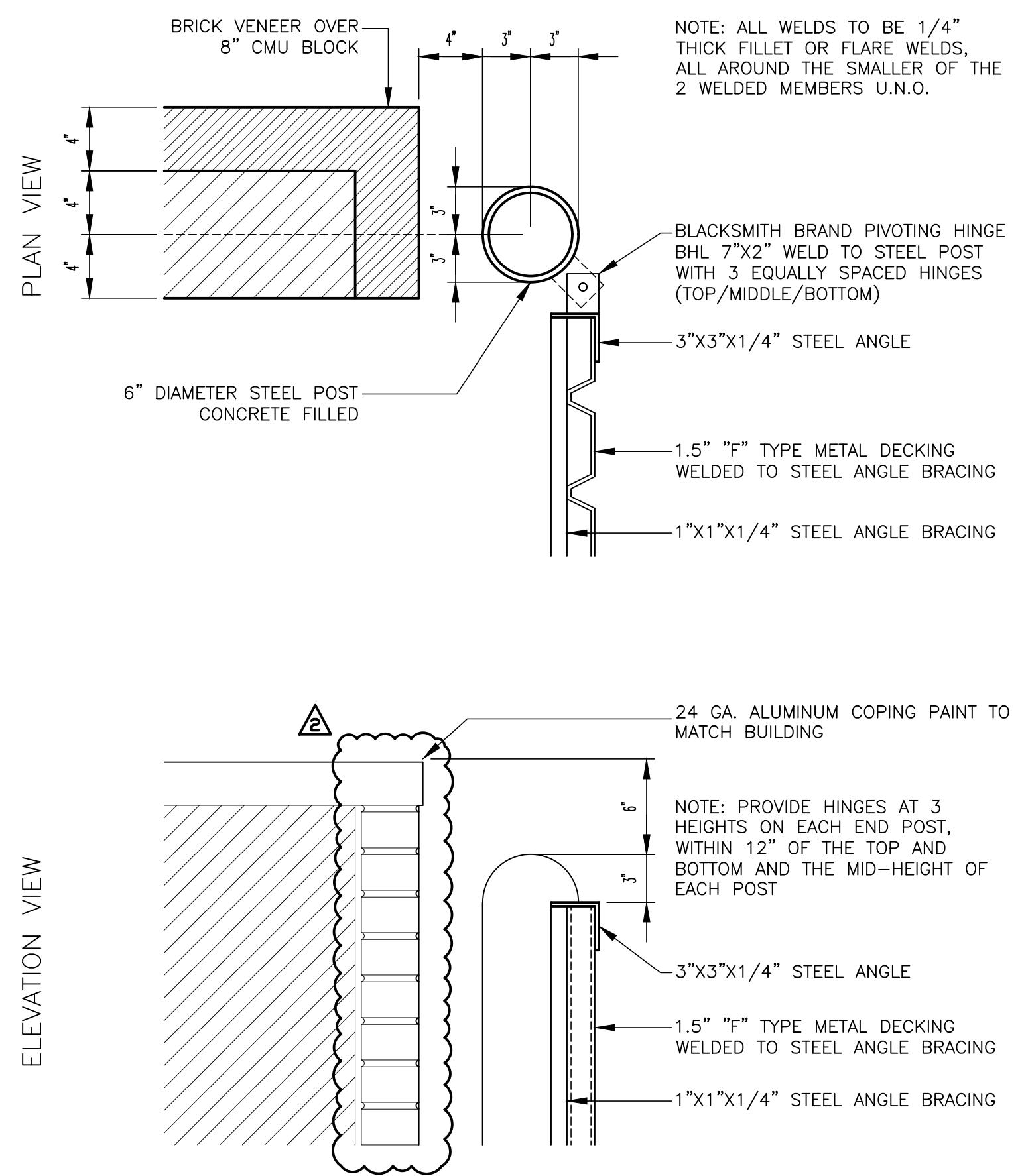
A7.0
DUMPSTER ENCLOSURE

SHEET NO.	TITLE	DRAWN BY	STD ISSUE DATE	REVIEWED BY	DATE ISSUED	BY
1	2024 STANDARD BUILDING - BB20	JAW	2024	JAW	05/12/2025	CITY COMMENTS - BUILDING SIGN LAYOUT - PROTO UPDATE
2	4584-WOOD/WOOD	JAW				

PREPARED BY:

JAW
J.W. Architects, Inc.
James Williams, Architect

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

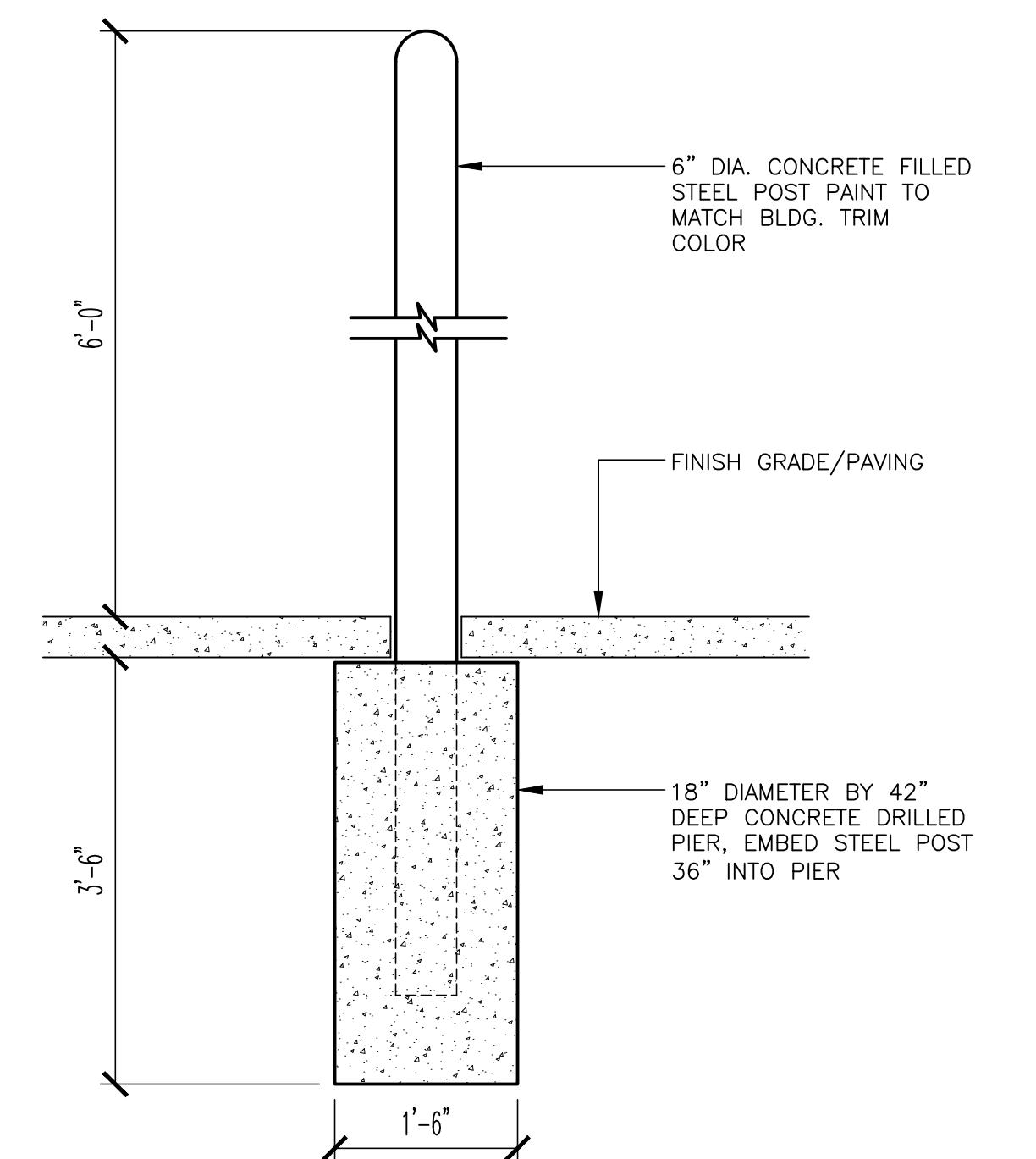


NOTES:

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

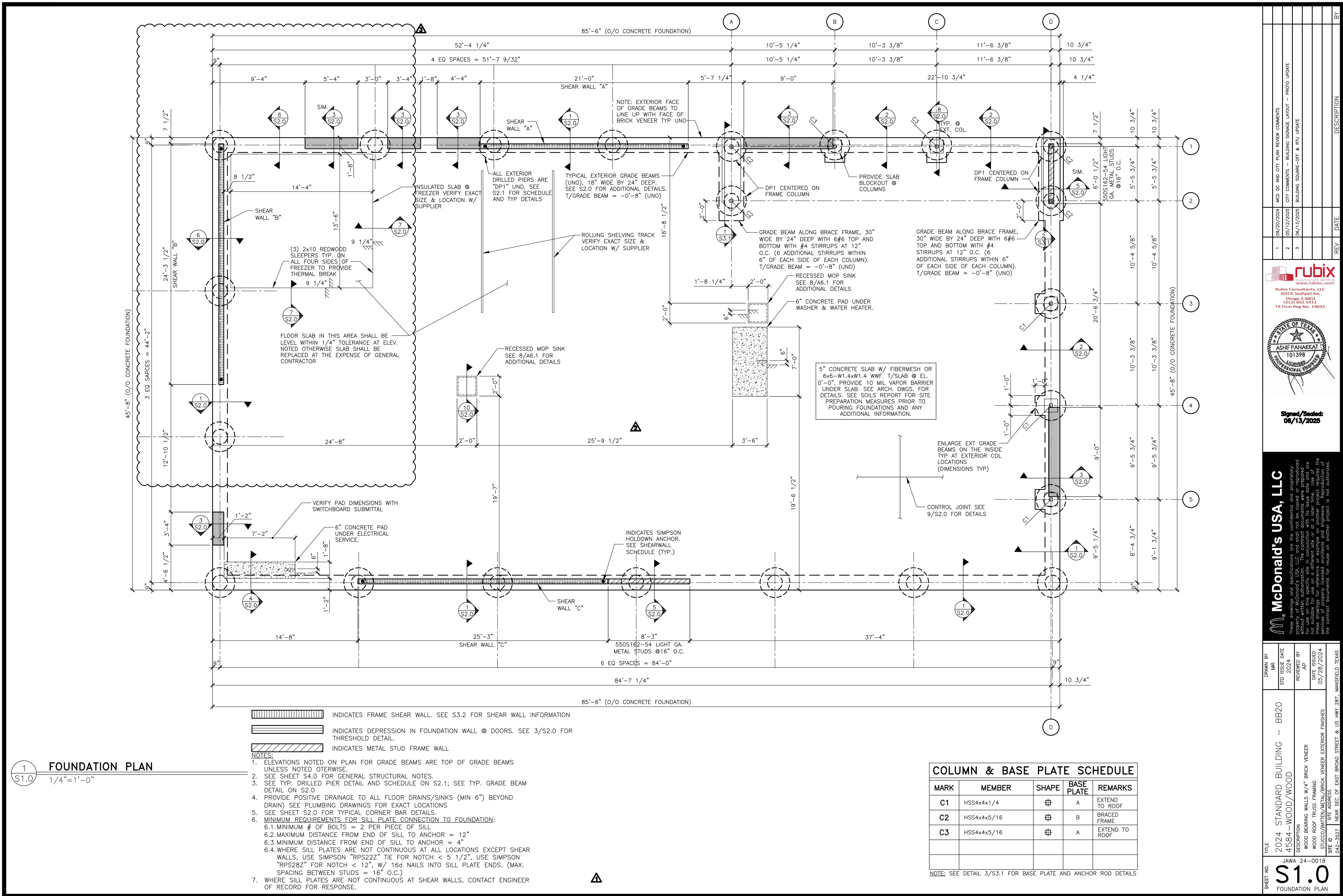
G.C. TO PROVIDE TWO CANE BOLT SLEEVES PER EACH GATE

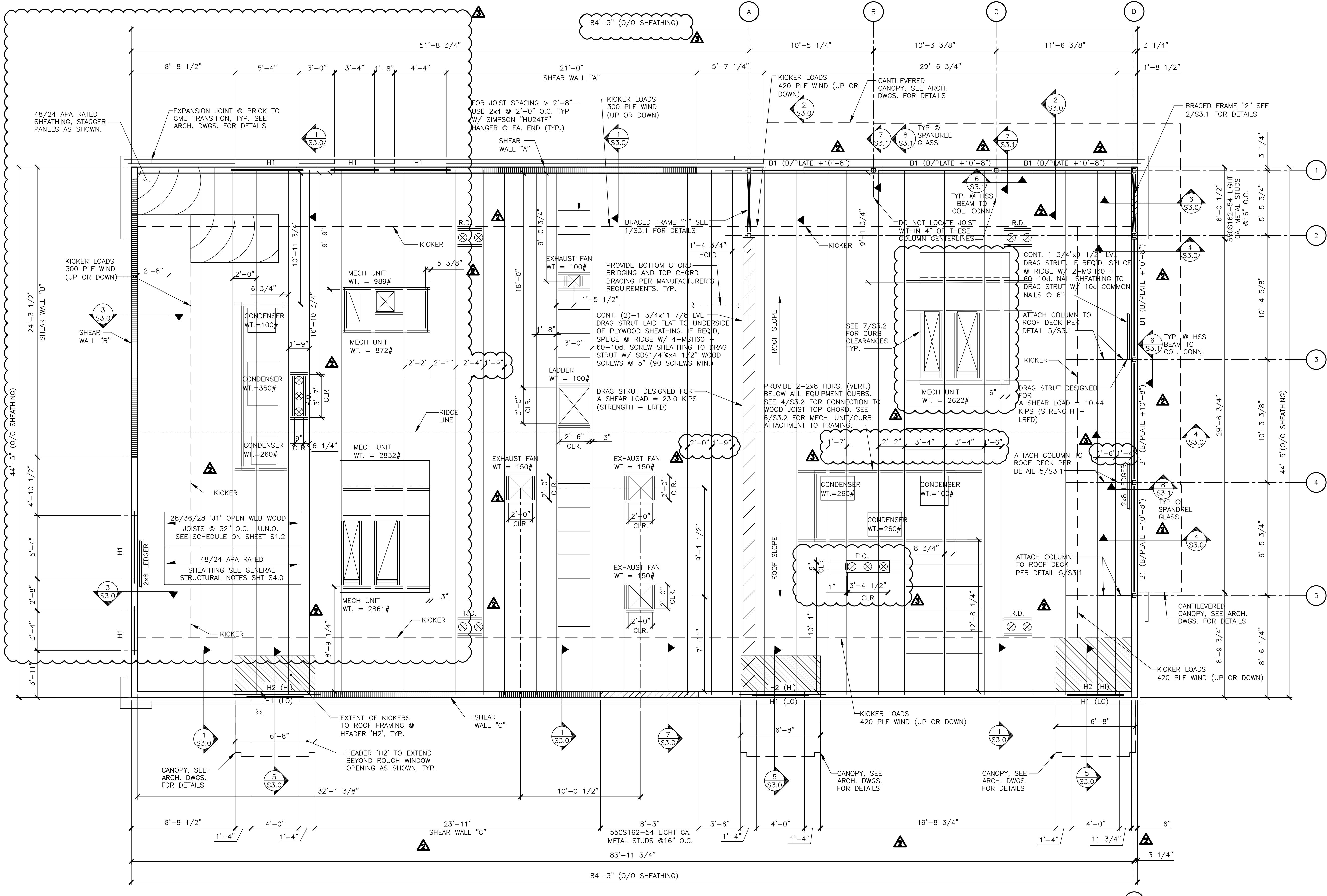
1. CLOSED POSITION: 0 DEGREES
2. OPEN POSITION: 90° MIN. - 120° MAX FROM CLOSED POSITION.



SHEET NO.	TITLE	DRAWN BY	PREPARED FOR:
	@2024McDonald's USA, LLC	JAW	McDonald's USA, LLC
	2024 STANDARD BUILDING - BB20	STD ISSUE DATE 2024	STD ISSUE DATE 2024
	4584-WOOD/WOOD	REVIEWED BY JAW	REVIEWED BY JAW
	DESCRIPTION WOOD BEARING WALLS W/4" BRICK VENEER	DATE ISSUED 05/28/2024	DATE ISSUED 05/28/2024
	STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES		
	SITE ID 042-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS		
	ADDRESS		
	REV. DATE		
	BY		

A7.1
DUMPSTER ENCLOSURE





FRAMING PLAN

S1.2 1/4"=1'-0"

INDICATES FRAME SHEAR WALL. SEE S3.2 FOR SHEAR WALL INFORMATION

INDICATES METAL STUD FRAME WALL.

NOTE TO CONTRACTOR:
ANY SPRINKLER LINES GREATER THAN 3" DIAMETER
SHALL BE VERIFIED BY THE SPRINKLER CONTRACTOR
PRIOR TO TRUSS FABRICATION.

- NOTES:
- SEE SHEET S4.0 FOR GENERAL STRUCTURAL NOTES.
 - R.D.: ROOF DRAINS
 - P.O.: ROOF CURB PORTAL OPENING - COORDINATE WITH MECHANICAL DRAWINGS.
 - WHEN TOP PLATES ARE NOT CONTINUOUS, USE SIMPSON "RPS22" TIE FOR NOTCH < 5 1/2", USE SIMPSON "RPS28" TIES FOR NOTCH < 12", W/ 16d NAILS INTO TOP PLATE ENDS. (MAX. SPACING BETWEEN STUDS = 16" O.C.)
 - TOP PLATE SPLICE SHALL BE MINIMUM LENGTH OF 48" WITH 2 ROWS (2 1/2" APART) OF 4-16d COMMON NAILS SPACED @ 2" ON CENTER (8 TOTAL).
 - SEE 1&2/S4.0 FOR CONCRETE BLOCK JOINT REINFORCEMENT AND VENEER TIES REQUIREMENTS.
 - SEE 5/S3.2 FOR SNOW DRIFT DIAGRAM.

BEAM SCHEDULE

MARK	MEMBER	SHAPE	SUPPORT	REMARKS
B1	HSS16x4x1/4 LLV + 1/4" PLATE	□	1/2" END PLATE	SEE DETAIL 6/S3.1

HEADER SCHEDULE

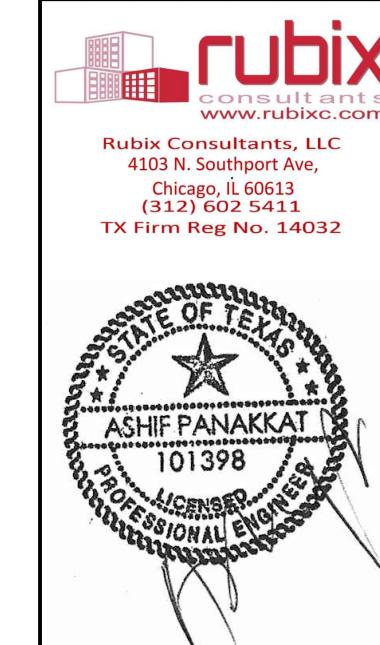
MARK	MEMBER	SHAPE	BEARING
H1	5 1/4"x9 1/2" LVL + L5x3 1/2x5/16 LLV	XL	SEE DETAIL 2/S3.2 @ BRG. ANGLE
H2	5 1/4"x11 7/8" LVL	X	SEE DETAIL 5/S3.0 & 2/S3.2

JOIST SCHEDULE

MARK	LIVE/ROOF SNOW LOAD	DEPTH
J1	20/5	28"/36"/28"

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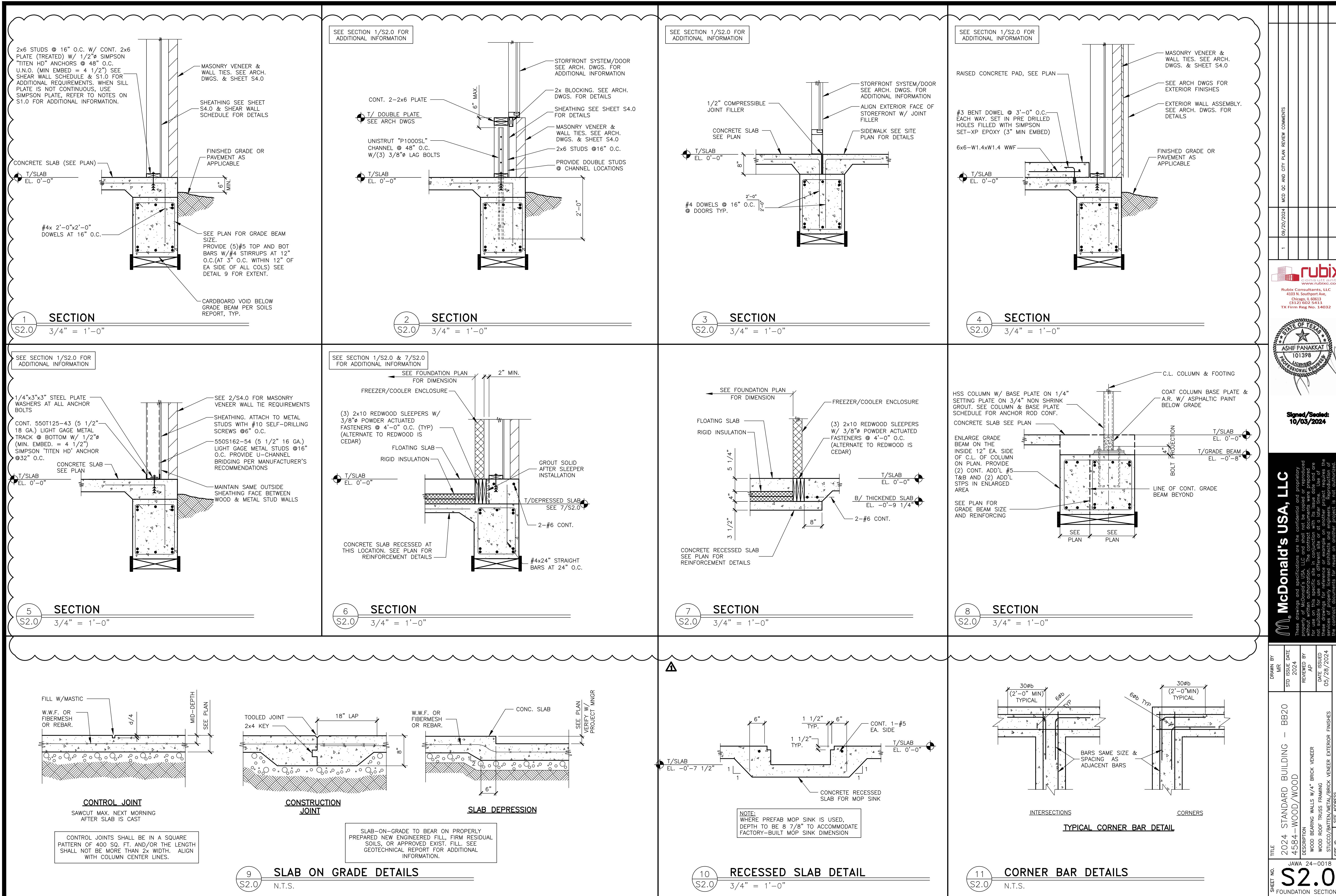


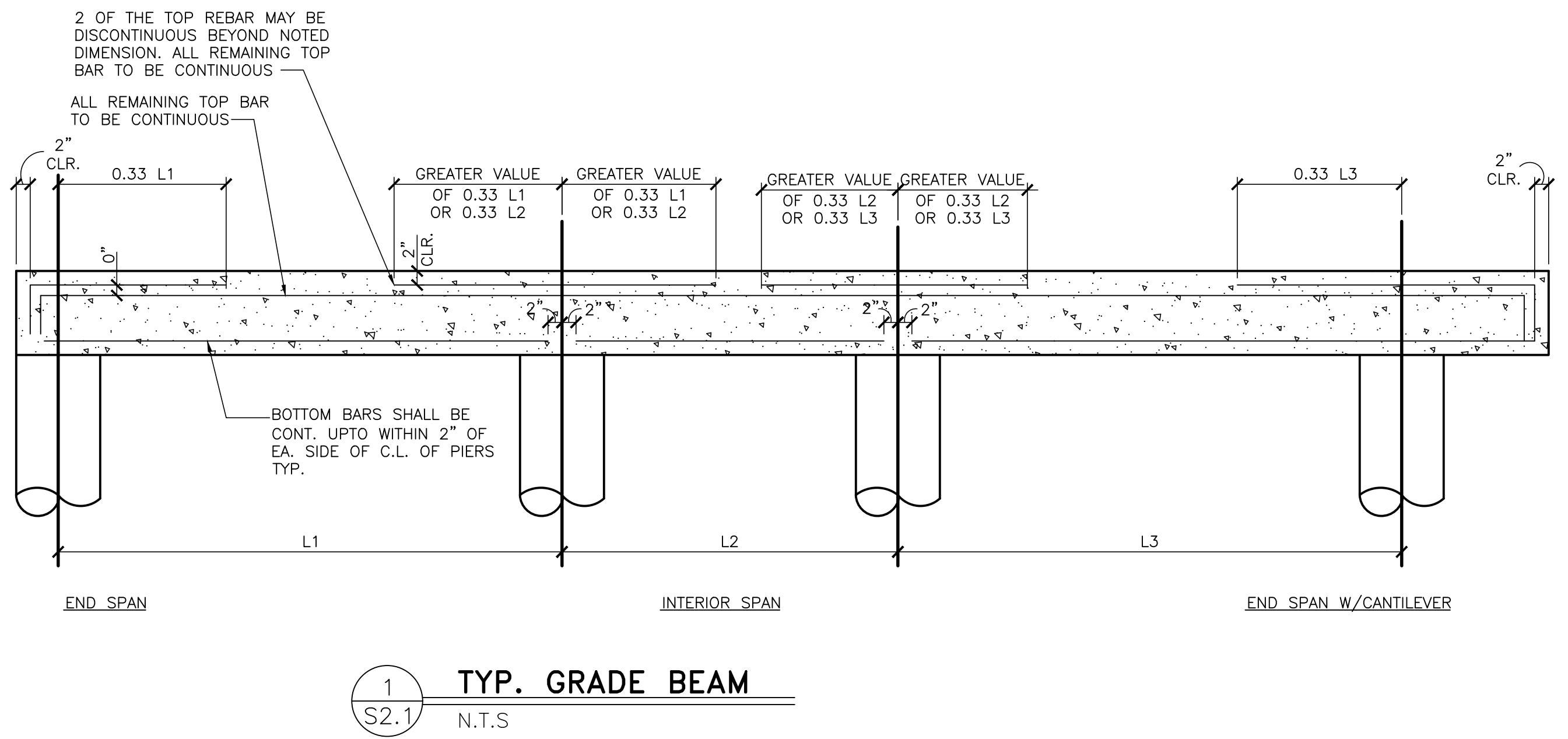
Signed/Sealed:
08/13/2025

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1	2024 STANDARD BUILDING - BB20	MR	05/19/2024
2	4584-WOOD/WOOD		STD ISSUE DATE 05/12/2025
3	WOOD BEARING WALLS W/4" BRICK VENEER	AP	BUILDING SQUARE-OFF & RTD UPDATE 05/13/2025
	STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES		
	SITE ADDRESS		
	042-3527 NEAR SEC. OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS		

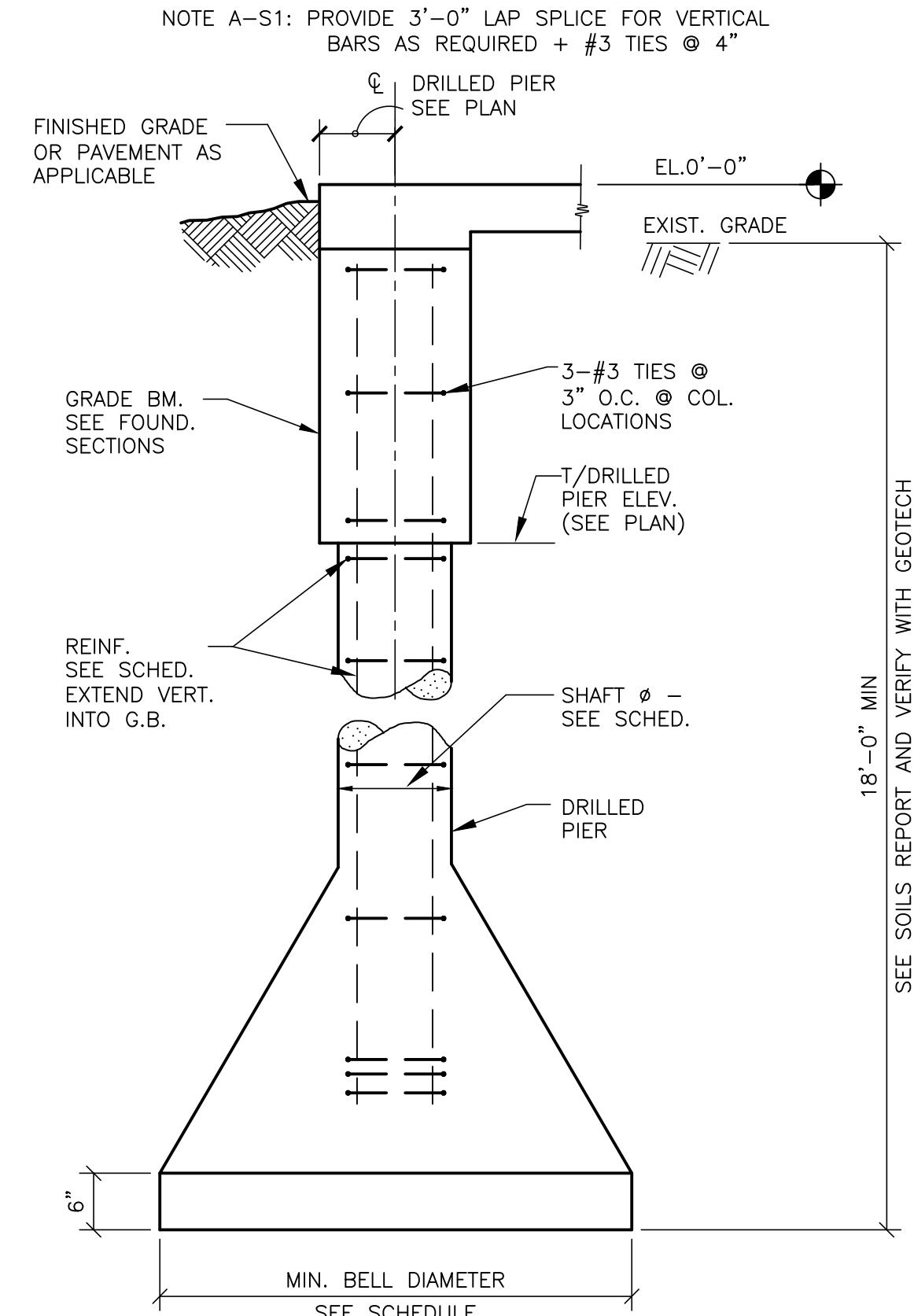
JAWA 24-0018
S1.2
FRAMING PLAN

NOTE: SEE DETAIL 4/S3.2 FOR JOIST DETAILS AND SUPPLIER INFORMATION



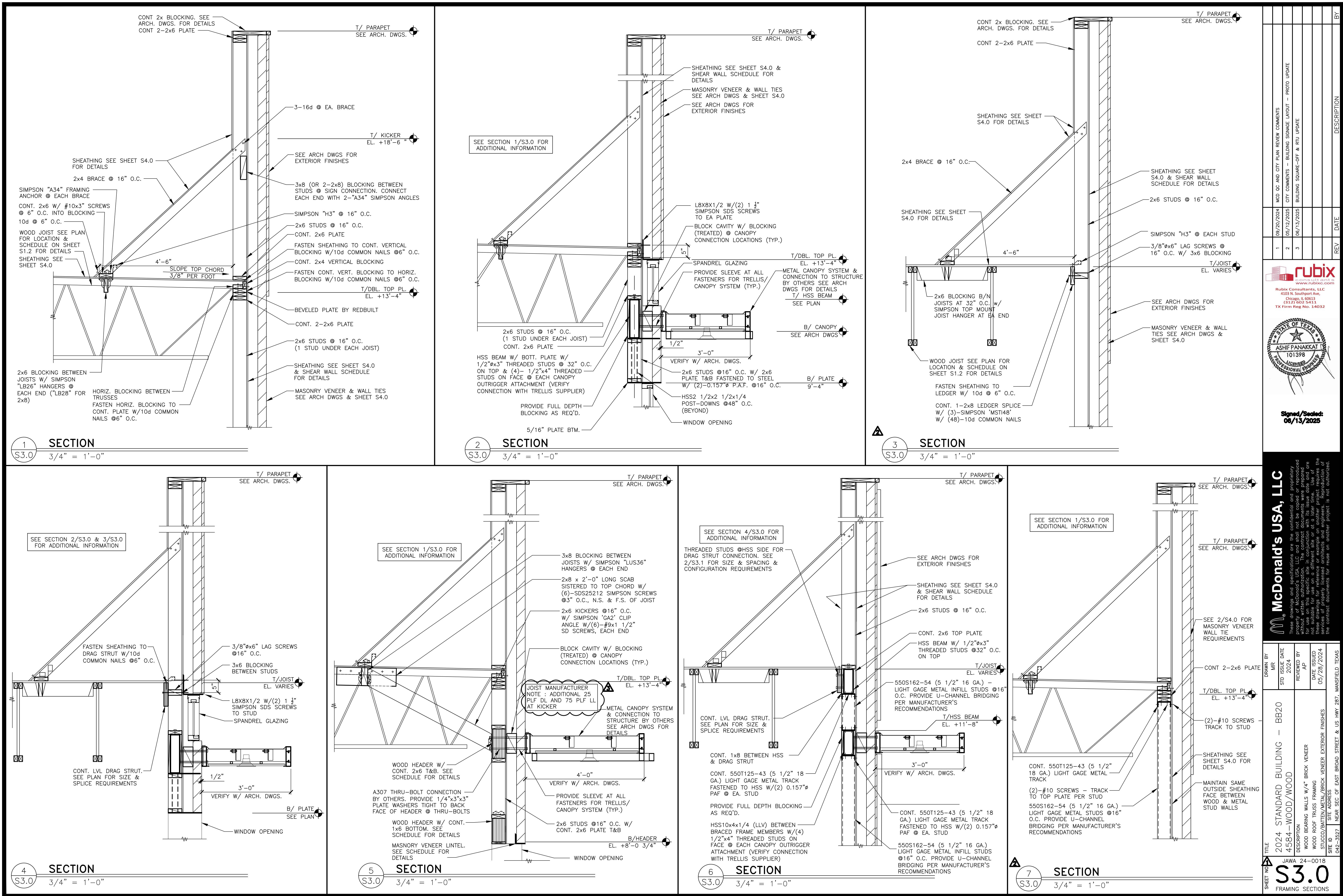


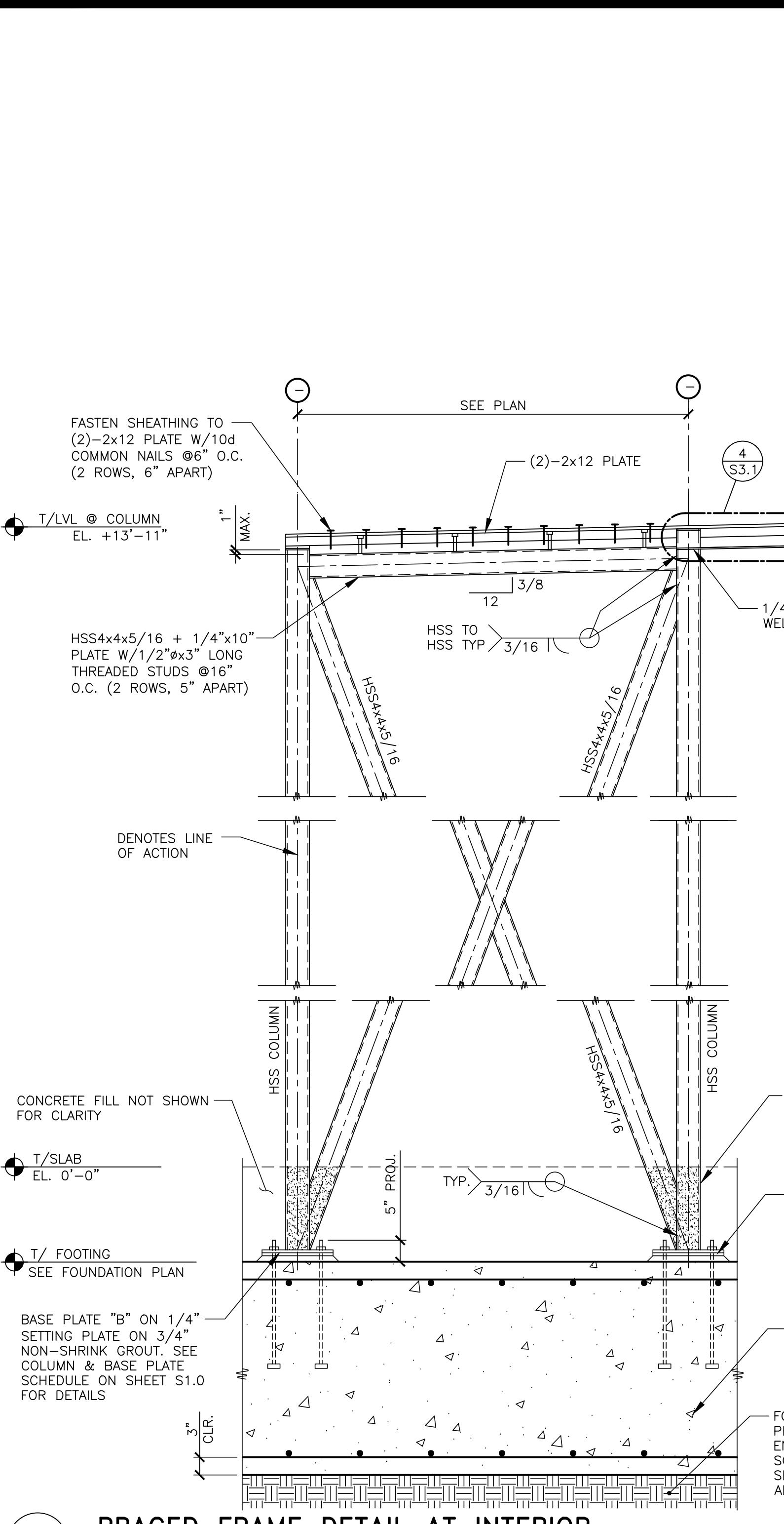
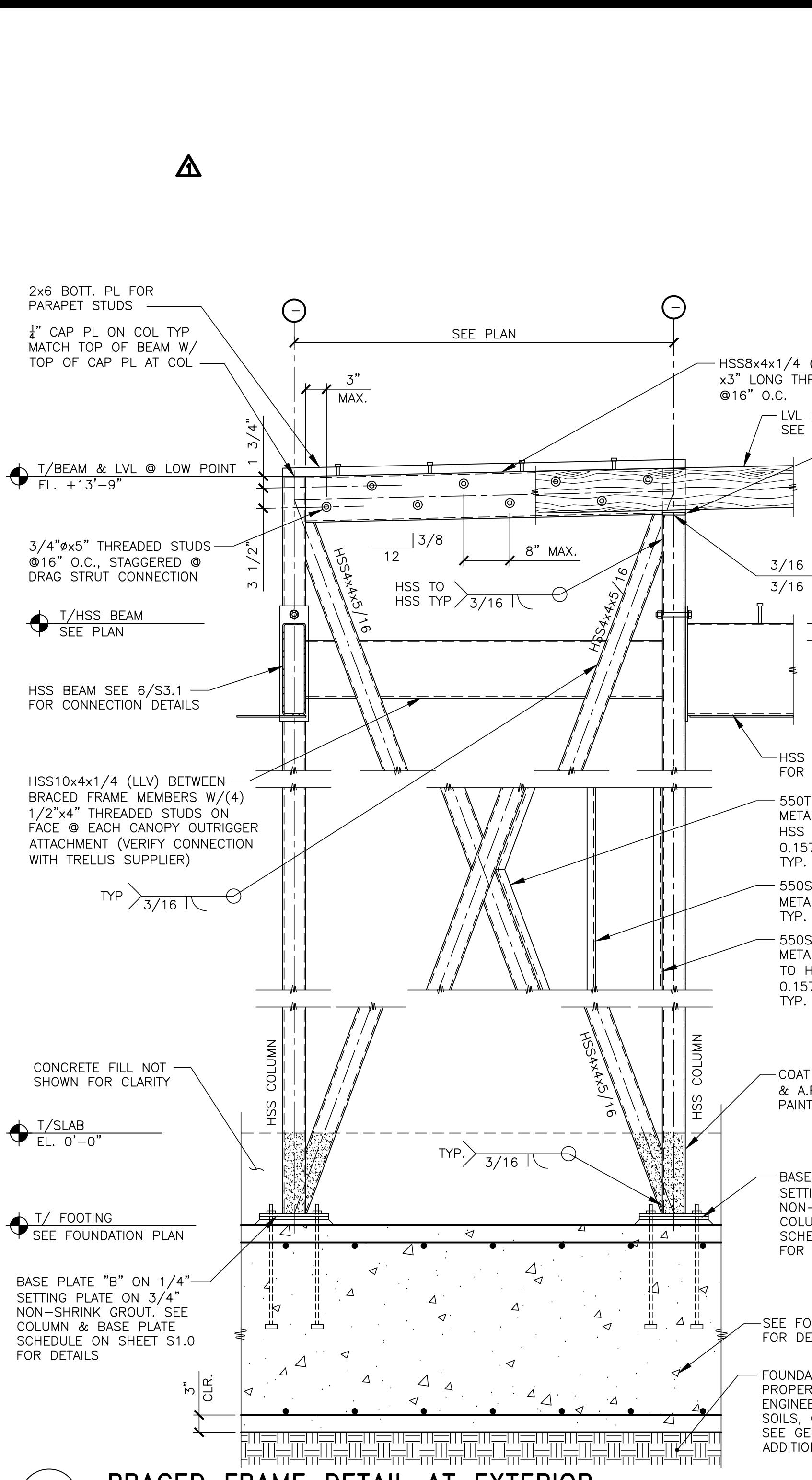
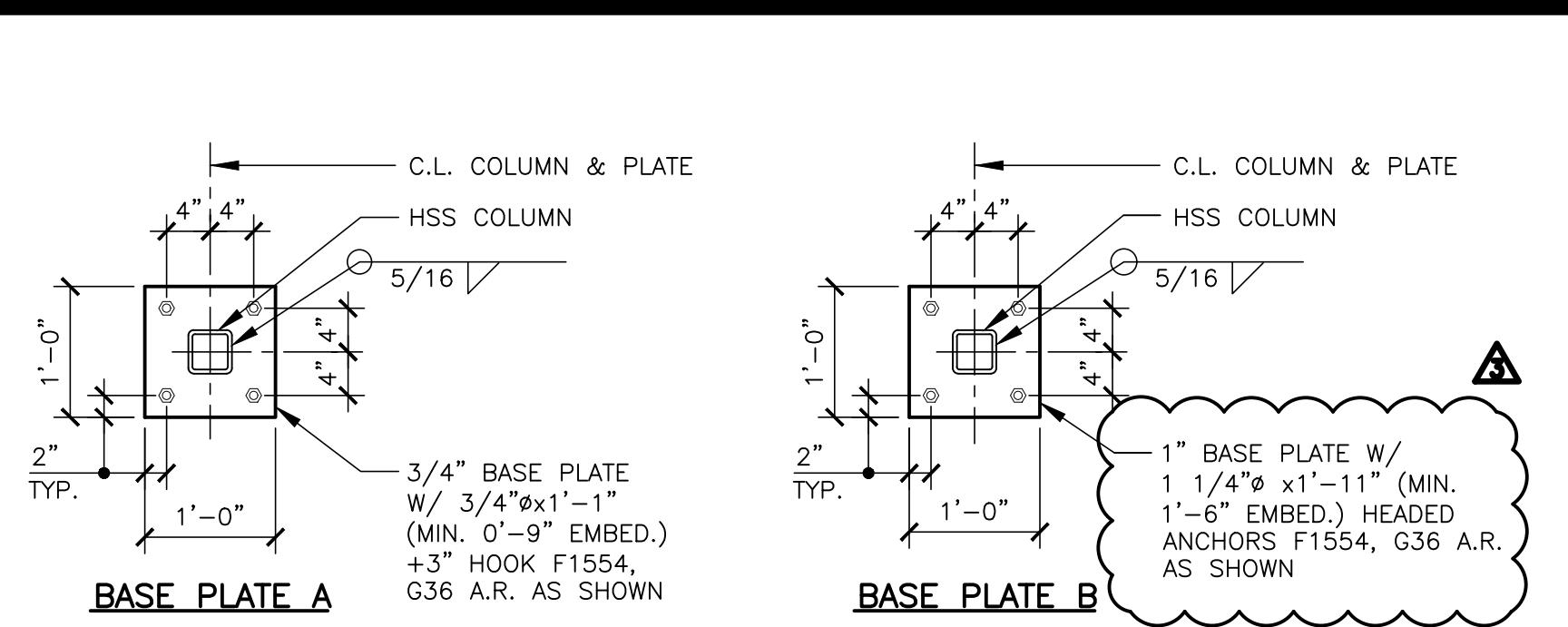
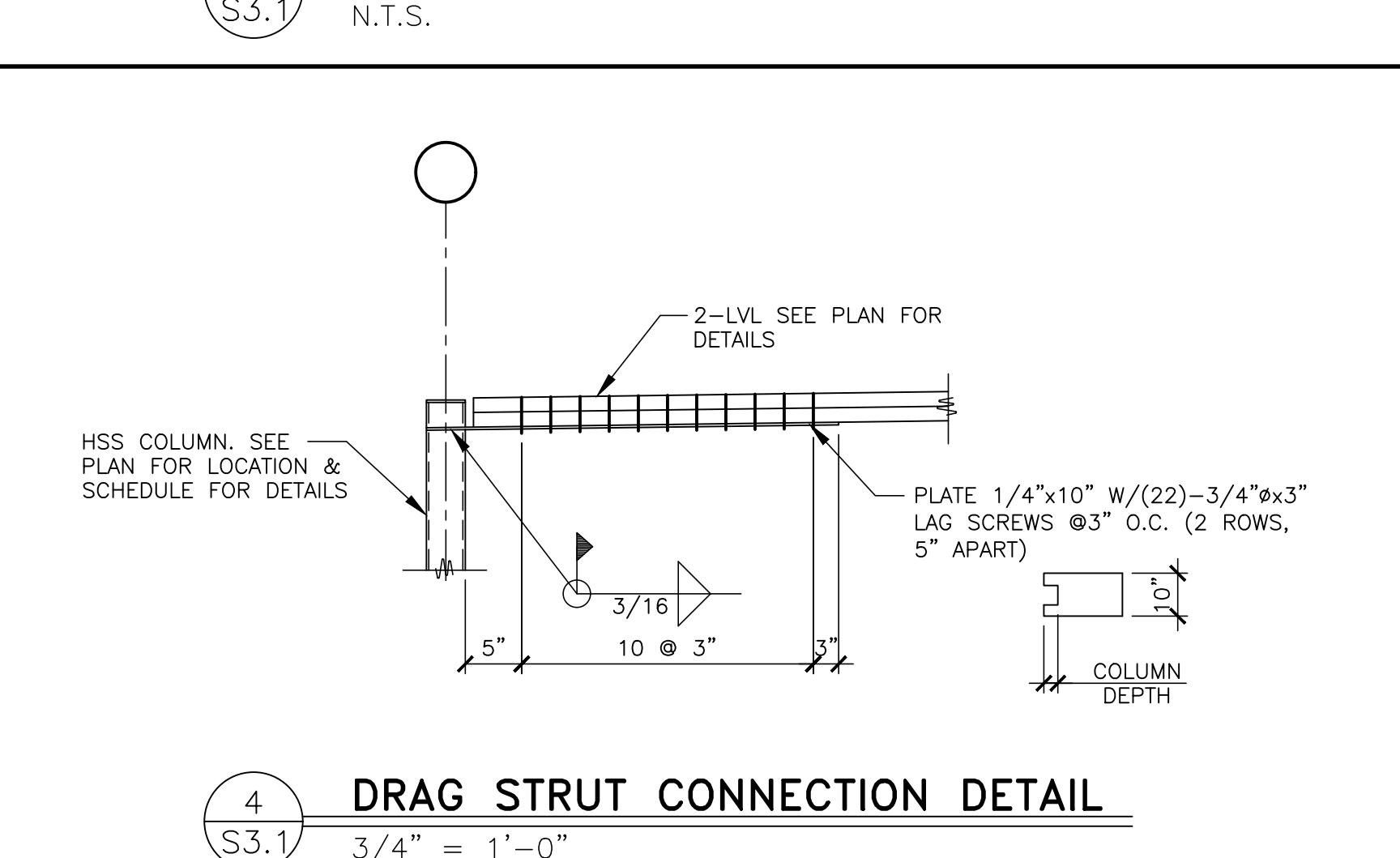
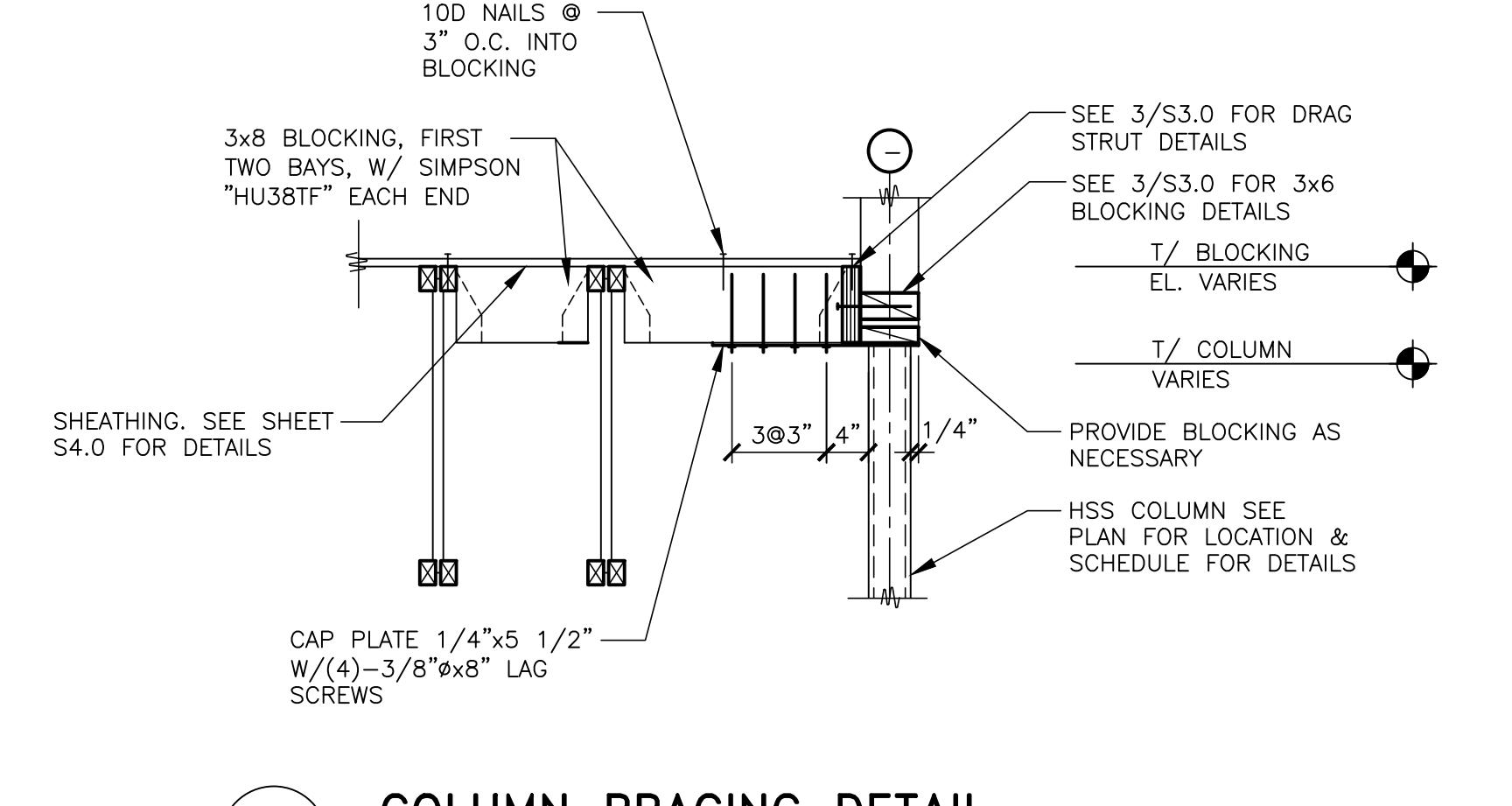
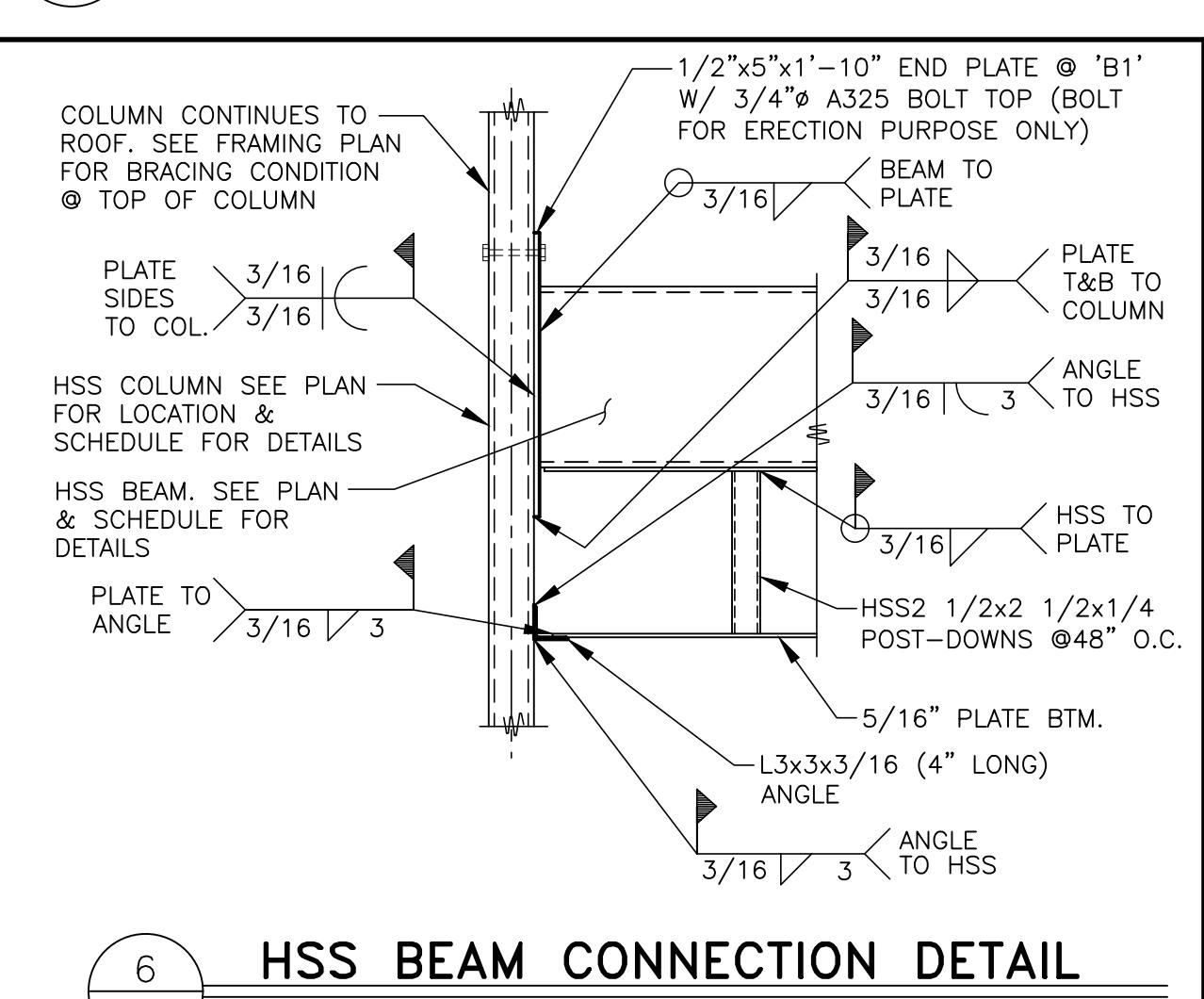
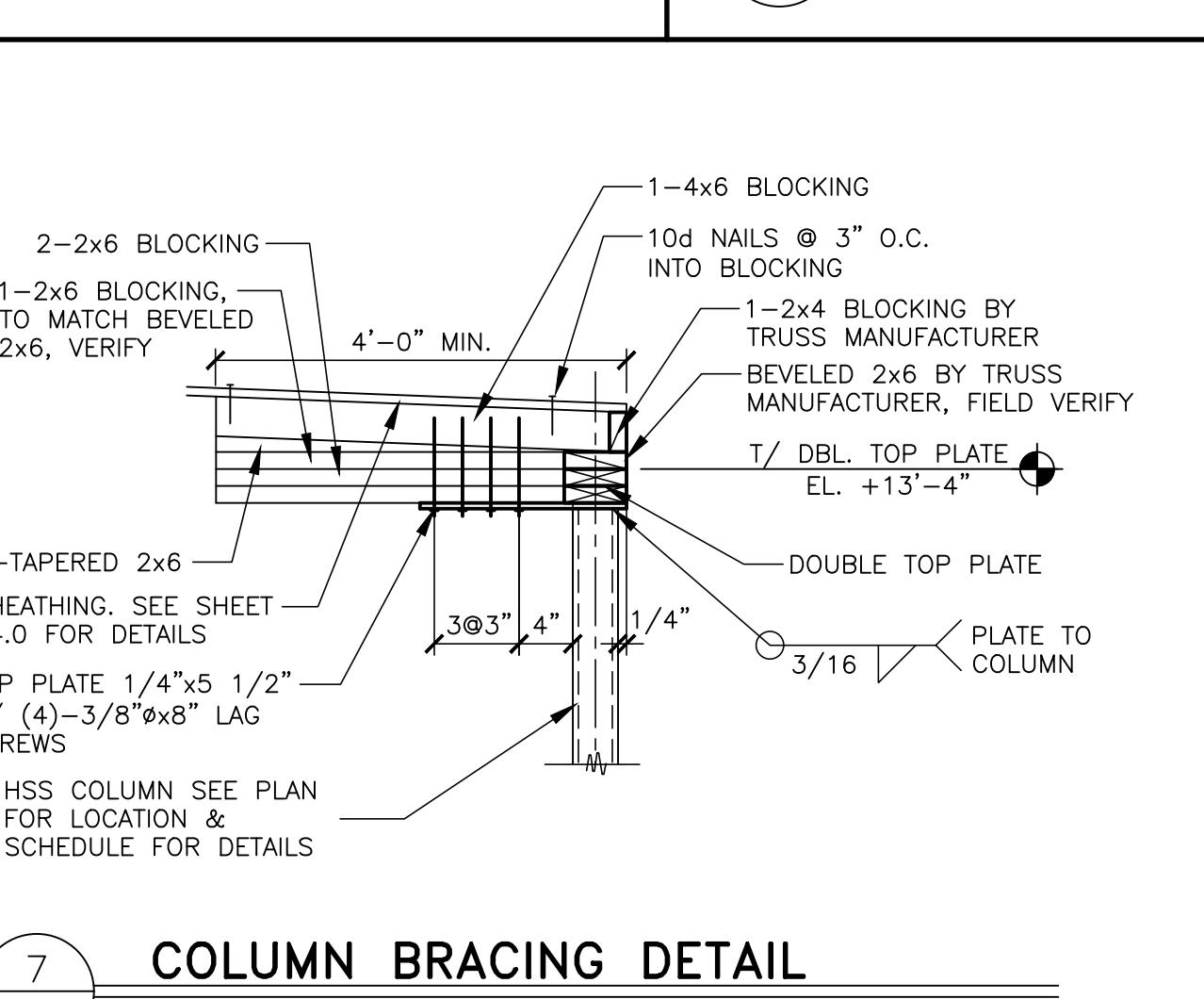
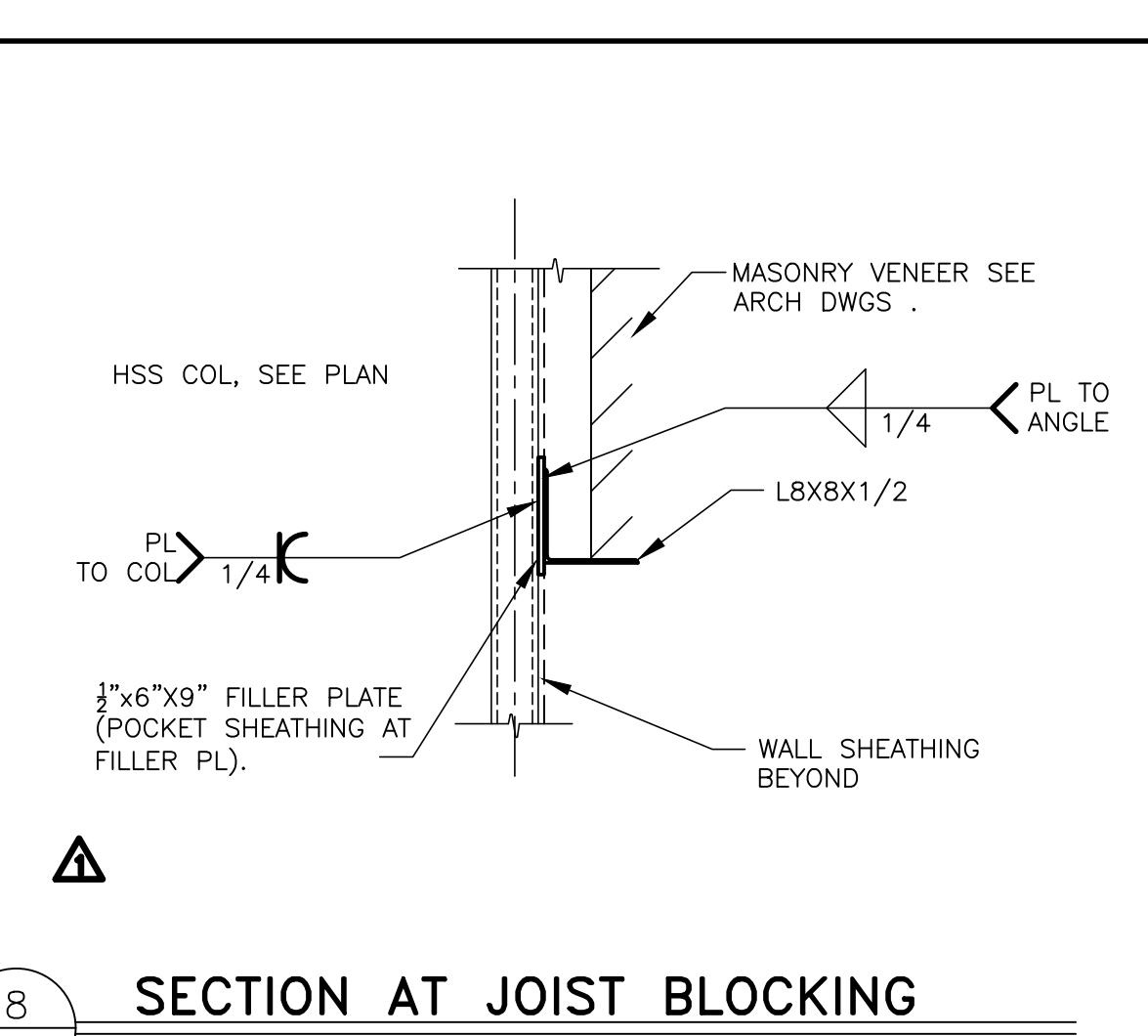
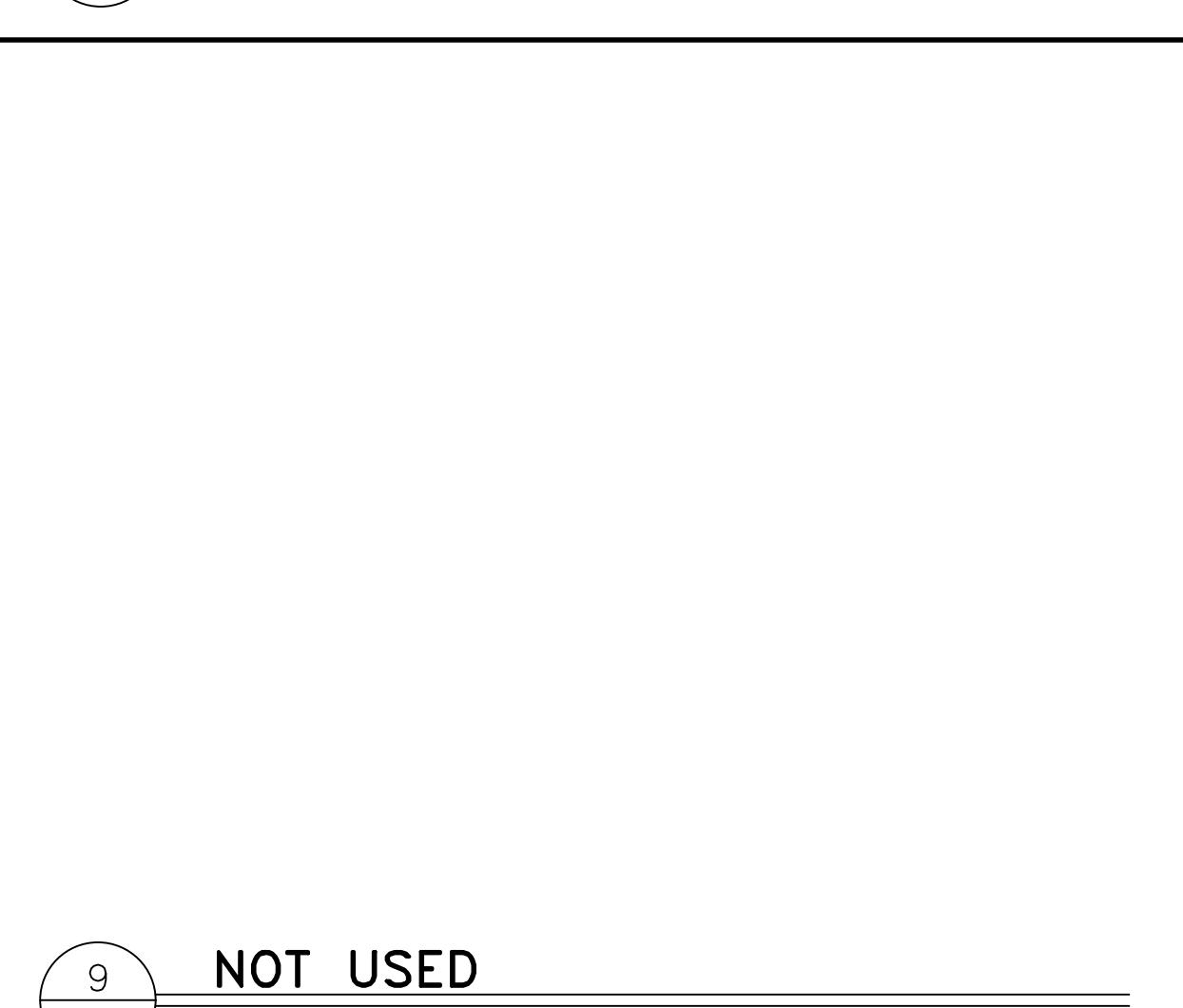
DRILLED PIER SCHEDULE				
MARK	SHAFT DIA.	BELL DIA.	REINFORCING	REMARKS
DP1	1'-6"	3'-0"	6 - #6V + #3 O @ 12"	-

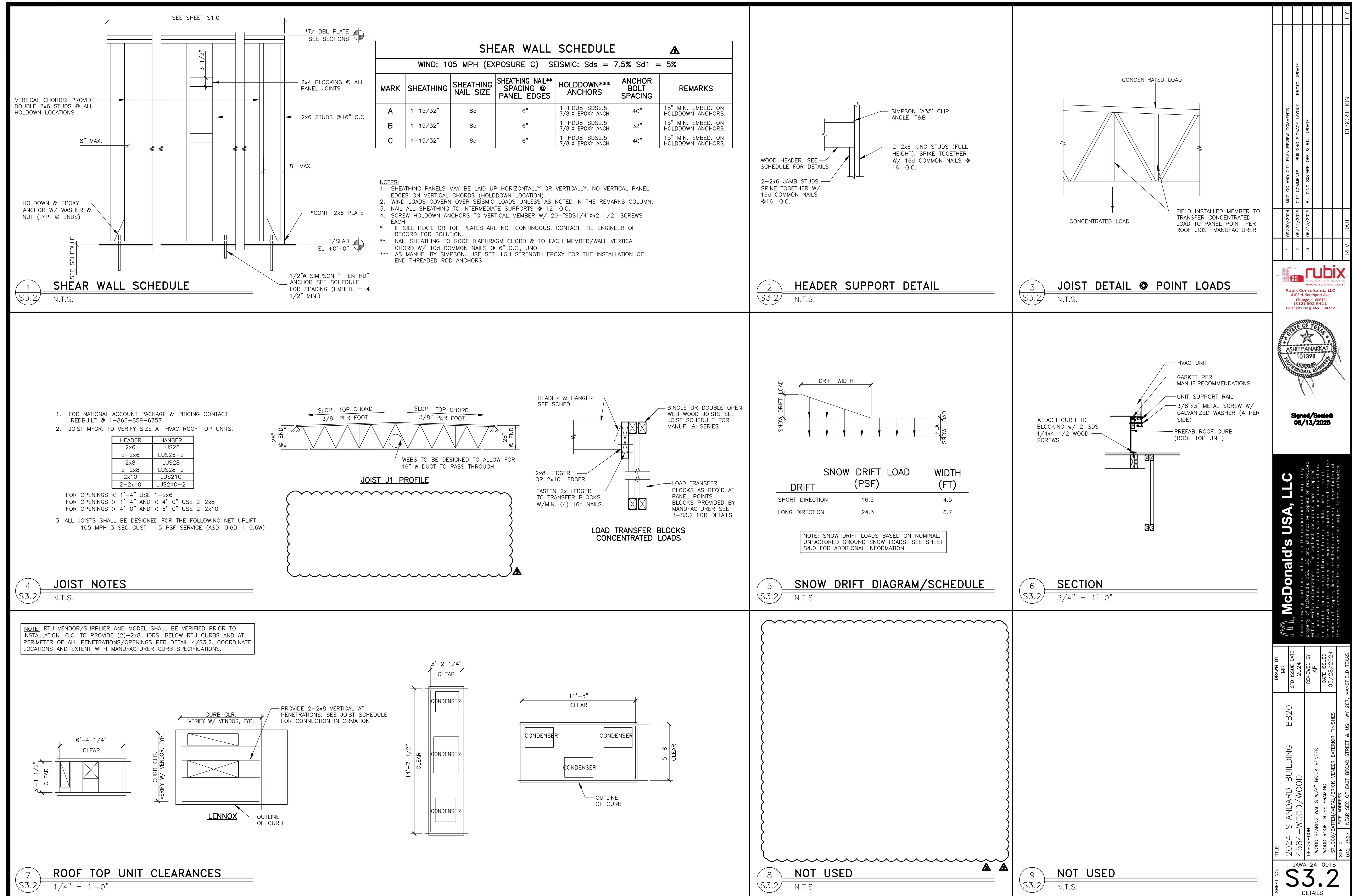


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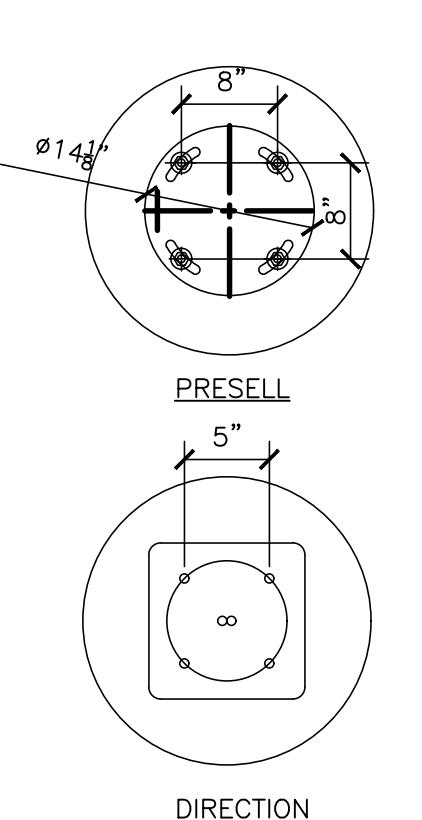
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	4584-WOOD/WOOD		STD ISSUE DATE	2024
DESCRIPTION			REVIEWED BY	AP
	WOOD BEARING WALLS W/4" BRICK VENEER WOOD ROOF TRUSS FRAMING STUCCO/BATTEN/METAL/BRICK VENEER EXTERIOR FINISHES		DATE ISSUED	05/28/2024
SITE ID	SITE ADDRESS		REV	DATE
042-3527	NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS		DESCRIPTION	
 <p>JAWA 24-0018</p> <p>S2.1</p> <p>DETAILS</p>				



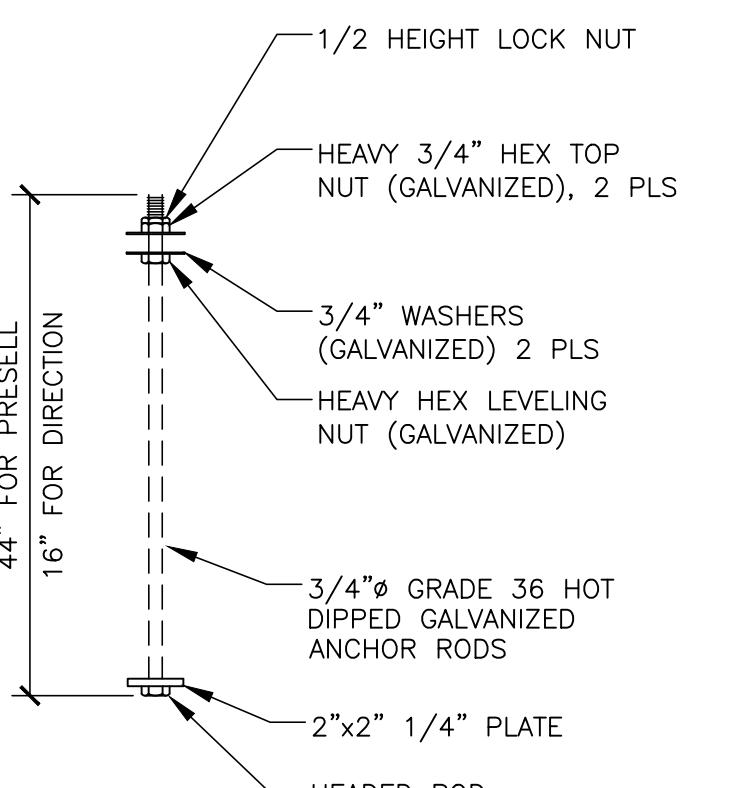
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1	24-0018	JAWA 2024 STANDARD BUILDING - BB20	1	05/19/2024	NCD GC AND CITY PLAN REVIEW COMMENTS
2		CITY COMMENTS - BUILDING SIGNAGE LAYOUT - PROTO UPDATE	2	05/12/2025	
3		BUILDING SQUARE-OFF & RTD UPDATE	3	06/13/2025	
DESCRIPTION					
 <p>rubix consultants www.rubixe.com Rubix Consultants, LLC 4033 N. Cicero Ave. Chicago, IL 60613 (312) 602-5411 TX Firm Reg No. 14032</p> <p> ASHIF PANAKKAT 101398 PROFESSIONAL ENGINEER</p> <p>Signed/Sealed: 06/13/2025</p> <p>McDonald's USA, LLC</p> <p>These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC, and shall not be reproduced or distributed outside the specific site in conjunction with its issue date and are not suitable for use on a different site or at a later time. Use of these drawings for reference or example on another project requires the written permission of the engineer or architect or other project manager or owner of the contract documents or release on another project is not authorized.</p>					
1	1	BRACED FRAME DETAIL AT INTERIOR	S3.1	3/4" = 1'-0"	
2	2	BRACED FRAME DETAIL AT EXTERIOR	S3.1	3/4" = 1'-0"	
3	3	BASE PLATE DETAILS	S3.1	N.T.S.	
4	4	DRAG STRUT CONNECTION DETAIL	S3.1	3/4" = 1'-0"	
5	5	COLUMN BRACING DETAIL	S3.1	3/4" = 1'-0"	
6	6	HSS BEAM CONNECTION DETAIL	S3.1	3/4" = 1'-0"	
7	7	COLUMN BRACING DETAIL	S3.1	3/4" = 1'-0"	
8	8	SECTION AT JOIST BLOCKING	S3.1	NTS	
9	9	NOT USED	S3.1	3/4" = 1'-0"	



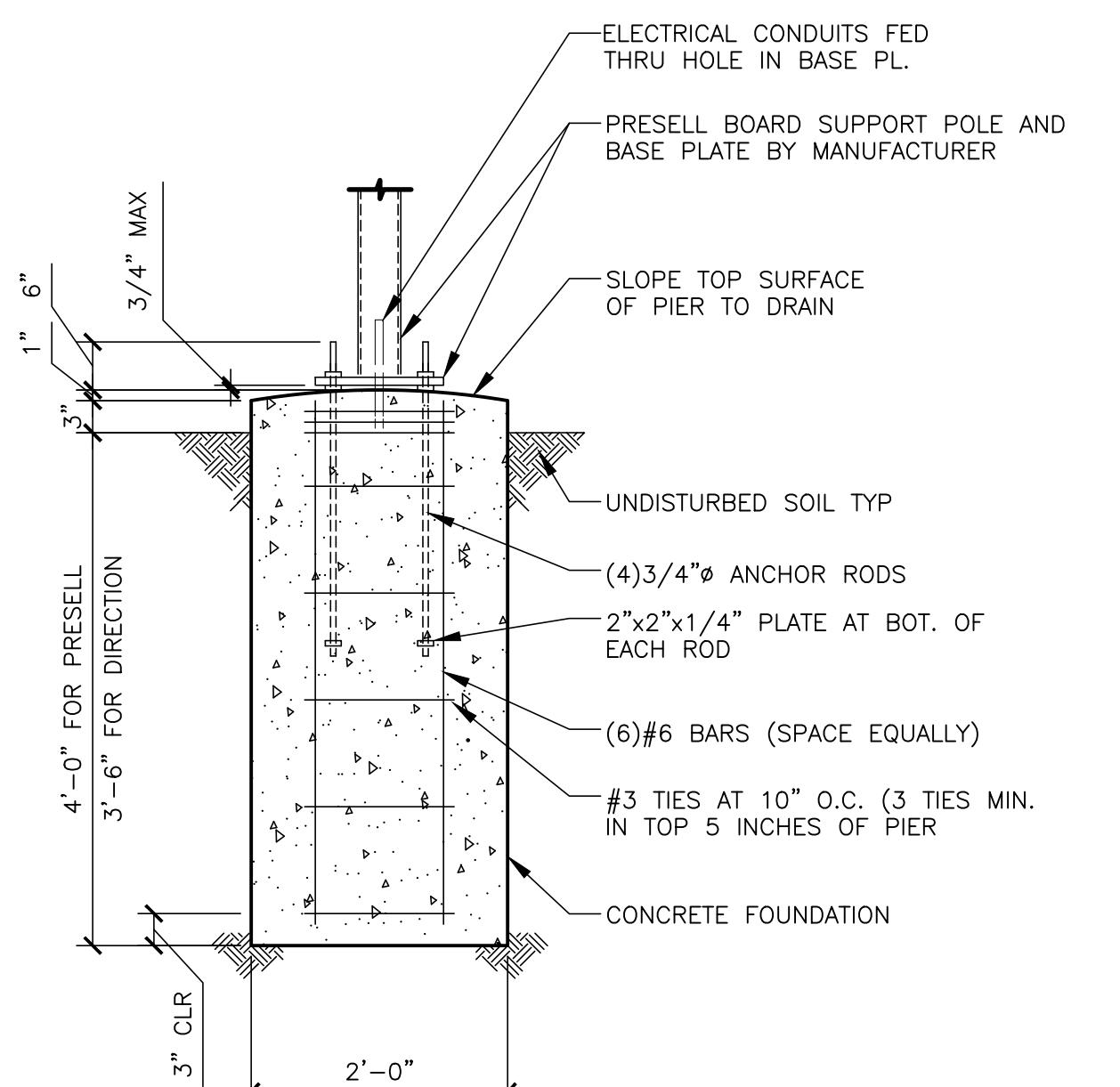
SHEET NO.	TITLE	DRAWN BY	REVIEWED BY	DATE ISSUED	REV.	DATE	DESCRIPTION
S3.3	JAWA 24-0018 SITE ELEMENTS DETAILS	McDonald's USA, LLC	rubix consultants, LLC	ASHIF PANAKKAT PROFESSIONAL ENGINEER 101398 ILLINOIS STATE OF P.E.		5/29/2024	
1	FOUNDATION FOR PRESELL & DIRECTION BOARD S3.3	3/4" = 1'-0"					
2	FOUNDATION FOR MENU BOARD S3.3	3/4" = 1'-0"					
3	FOUNDATION FOR "ORDER HERE" BOARD S3.3	3/4" = 1'-0"					
4	FOUNDATION FOR CLEARANCE GATEWAY S3.3	3/4" = 1'-0"					
							RUBIX CONSULTANTS, LLC 4033 N. Cicero Ave. Chicago, IL 60613 (312) 602-5411 TX Firm Reg No. 14032



ANCHOR BOLT PATTERN



ANCHOR BOLT PATTERN



PIER SECTION DETAIL

1 FOUNDATION FOR PRESELL & DIRECTION BOARD S3.3

- SEE SHEET S4.0 FOR FOUNDATION, CONCRETE AND STRUCTURAL STEEL GENERAL NOTES
- DESIGN LOADS DERIVED FROM CODES AND FORCES
- AXIAL - 120# (PRESELL) 180# (DIRECTION)
- SH - 267# (PRESELL) 270# (DIRECTION)
- MOMENT - 1,219# (PRESELL) 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 OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- DO NOT PLACE POLES ON 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
- HIS FOUNDATION IS TO BE USED ONLY WITH FLORIDA PLASTICS INTERNATIONAL INC, STANDARD OPO-1 PRESSELL BOARD

2 FOUNDATION FOR MENU BOARD S3.3

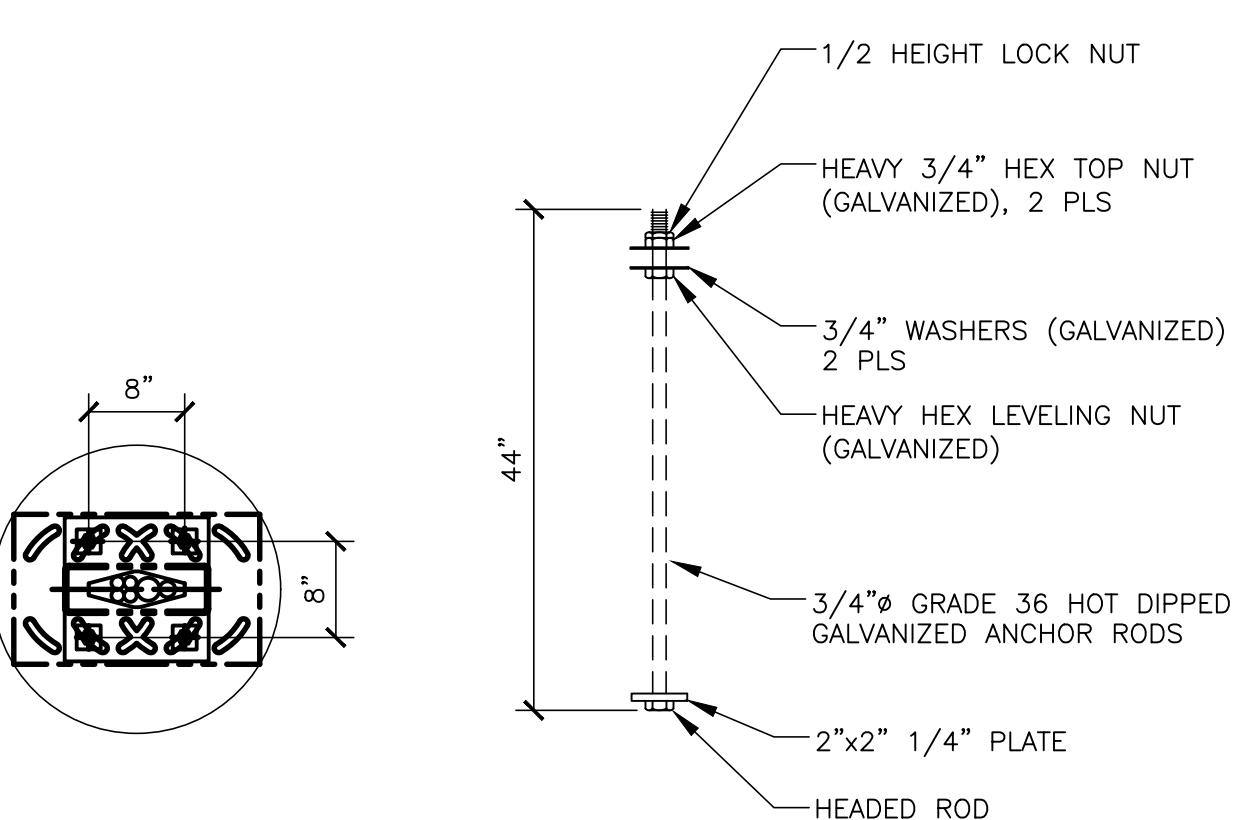
- SEE SHEET S4.0 FOR FOUNDATION, CONCRETE AND STRUCTURAL STEEL GENERAL NOTES
- DESIGN LOADS DERIVED FROM CODES AND FORCES
- AXIAL - 850#
- SH - 1,310#
- MOMENT - 14,500#
- ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
- TOP 6" OF SOIL NEGLECTED IN EMBEDMENT 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 OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- DO NOT PLACE POLES ON 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
- DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS

3 FOUNDATION FOR "ORDER HERE" BOARD S3.3

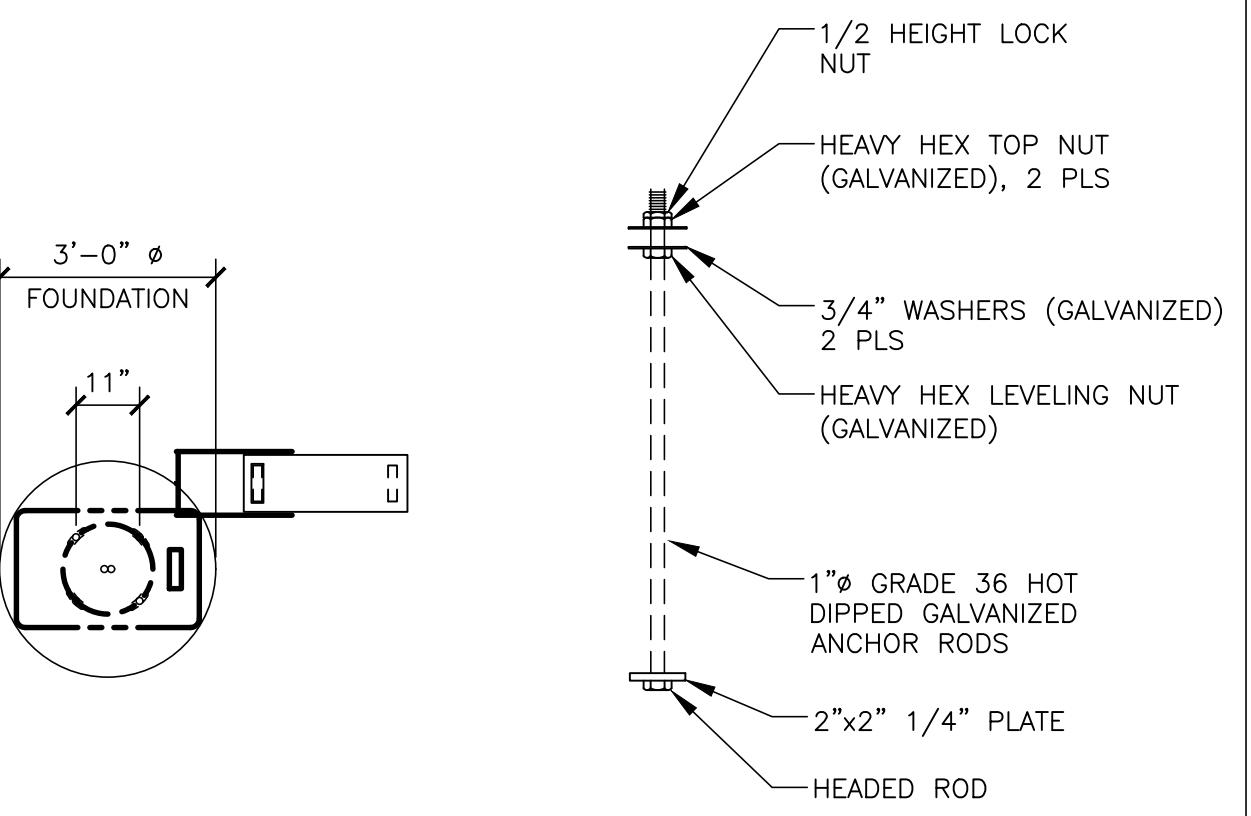
- SEE SHEET S4.0 FOR FOUNDATION, CONCRETE AND STRUCTURAL STEEL GENERAL NOTES
- DESIGN LOADS DERIVED FROM CODES AND FORCES
- AXIAL - 2600#
- SH - 2900#
- MOMENT - 14,500#
- ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
- TOP 6" OF SOIL NEGLECTED IN EMBEDMENT 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 OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- DO NOT PLACE POLES ON 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
- DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS

4 FOUNDATION FOR CLEARANCE GATEWAY S3.3

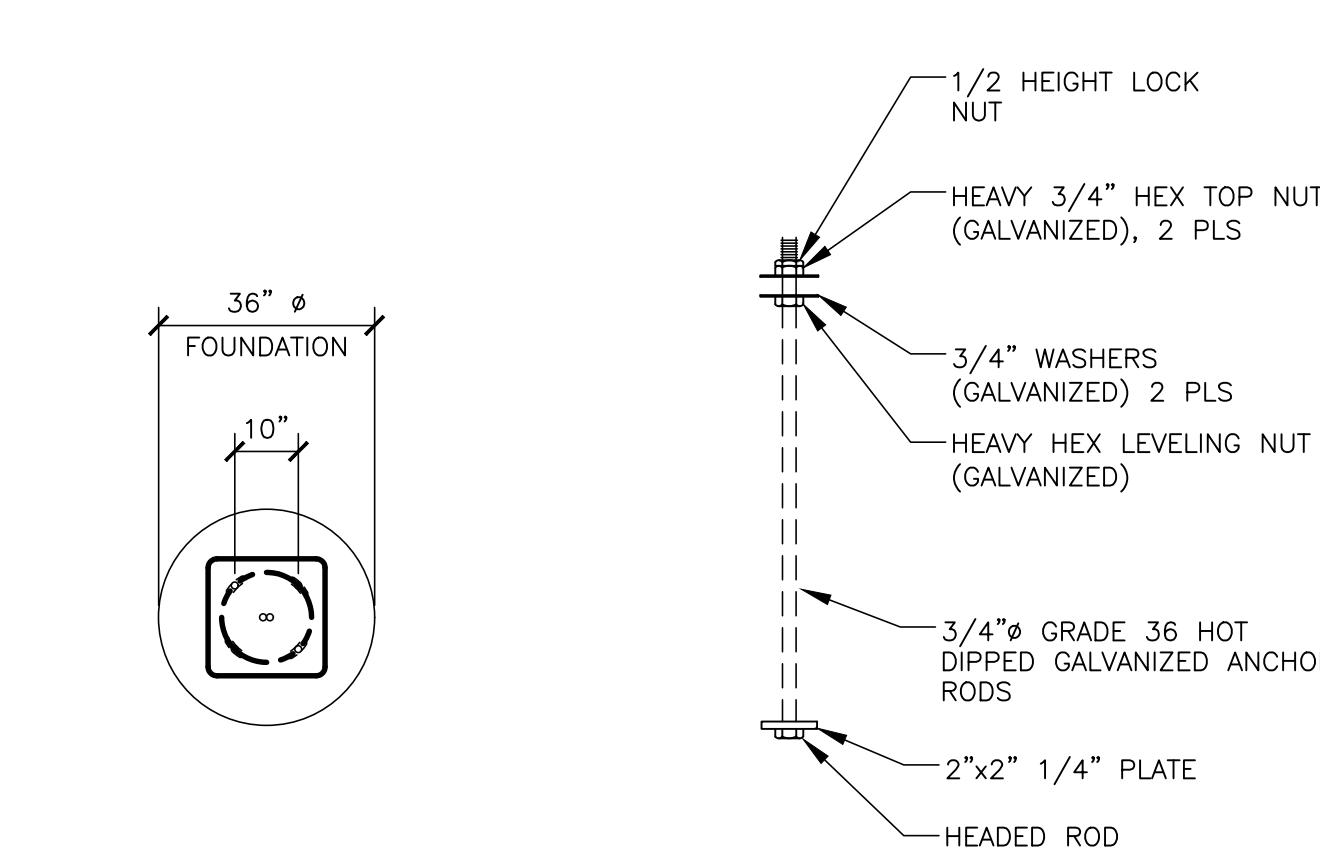
- SEE SHEET S4.0 FOR FOUNDATION, CONCRETE AND STRUCTURAL STEEL GENERAL NOTES
- DESIGN LOADS DERIVED FROM CODES AND FORCES
- AXIAL - 790#
- SH - 600#
- MOMENT - 5335#
- ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
- TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH 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 OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- DO NOT PLACE POLES ON 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
- DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS



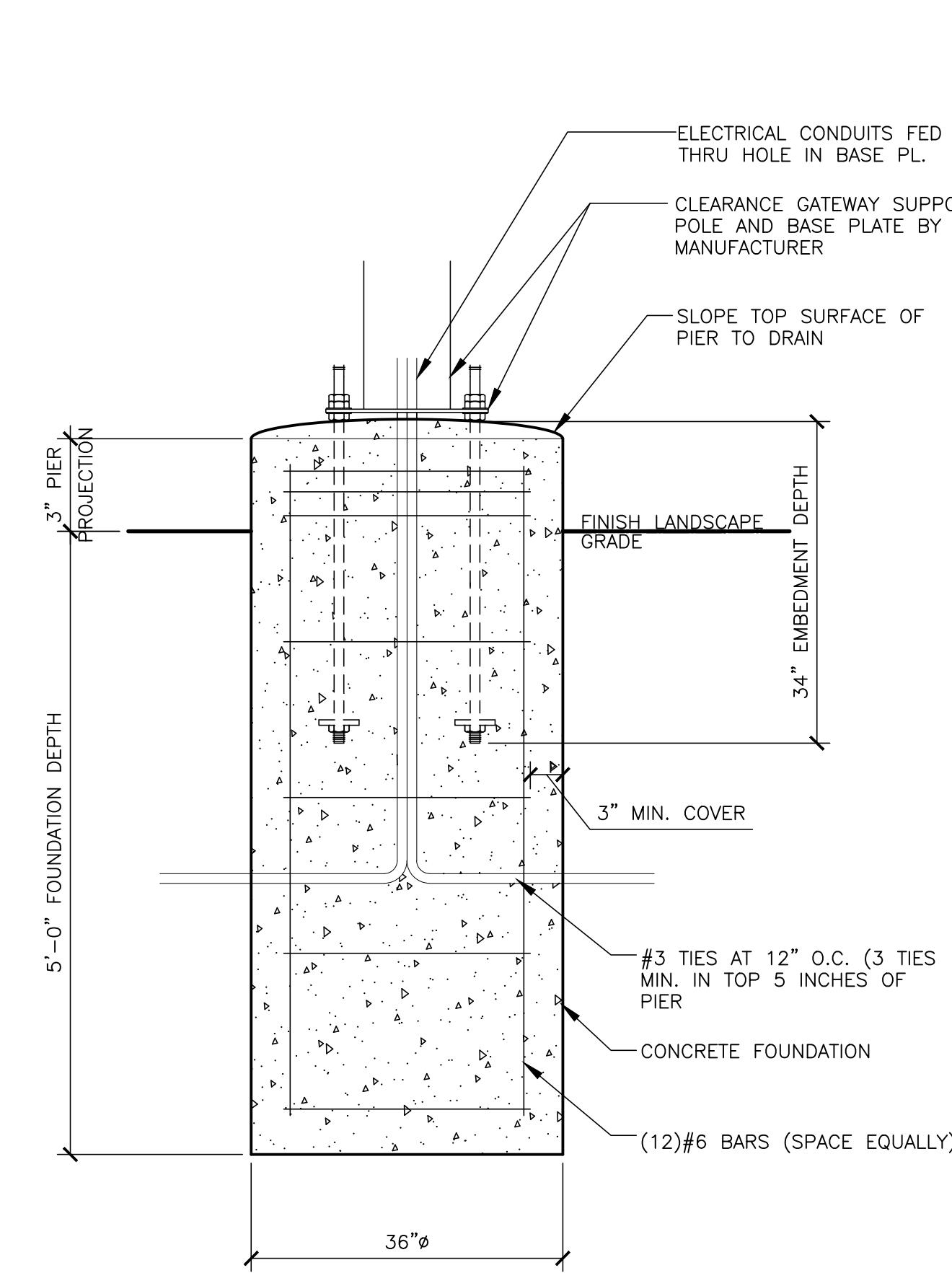
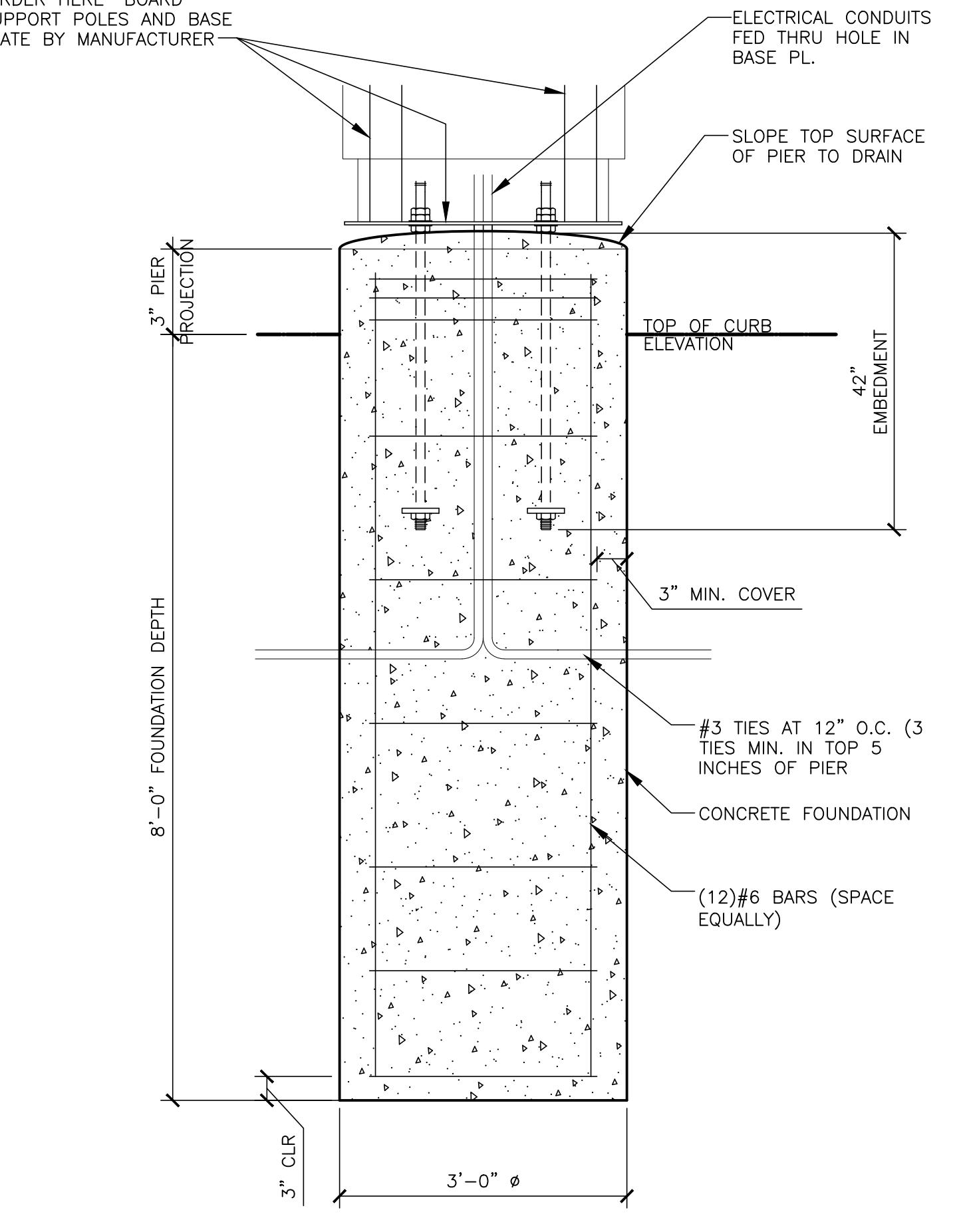
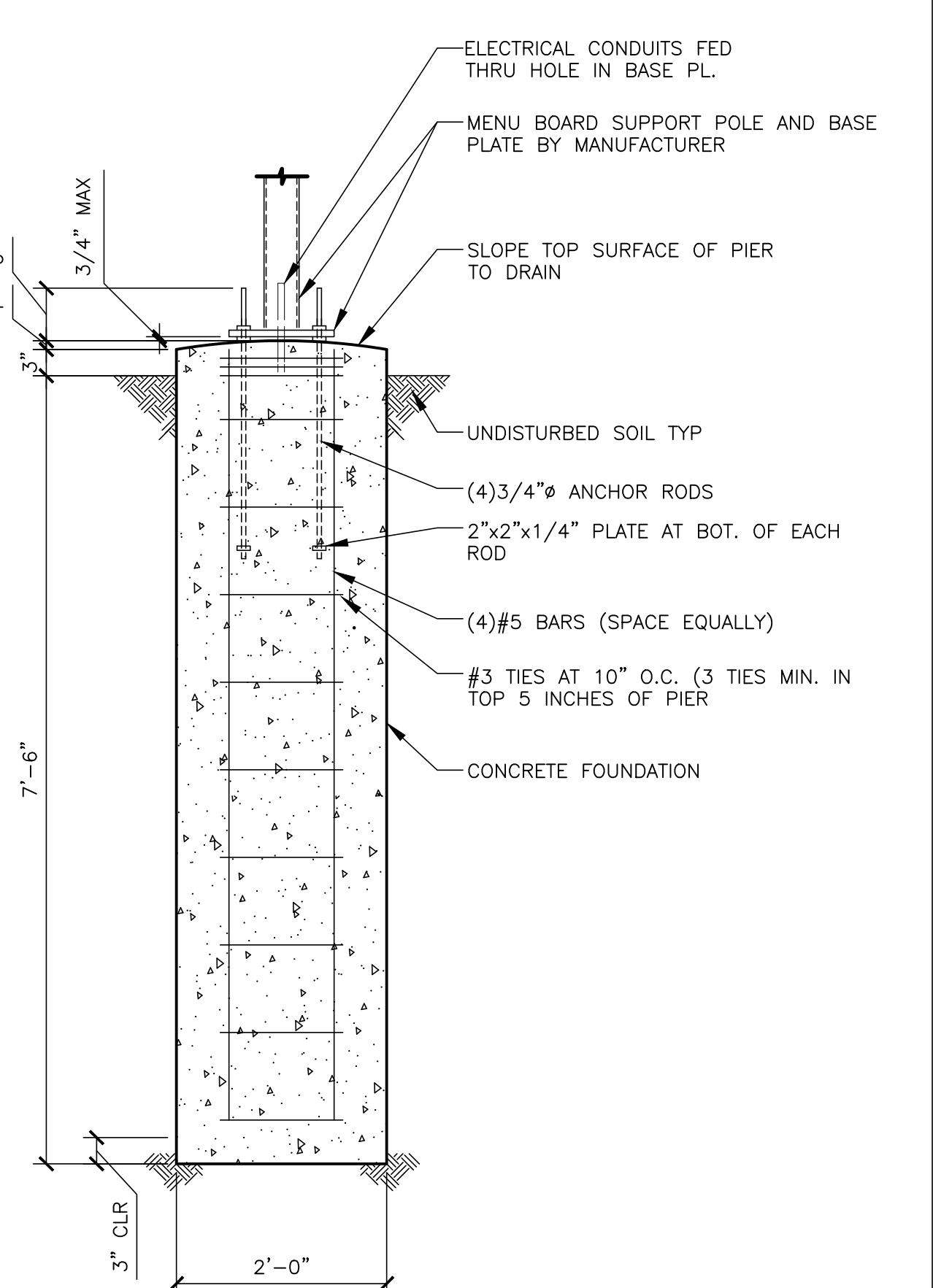
ANCHOR BOLT PATTERN



ANCHOR BOLT PATTERN



ANCHOR BOLT PATTERN



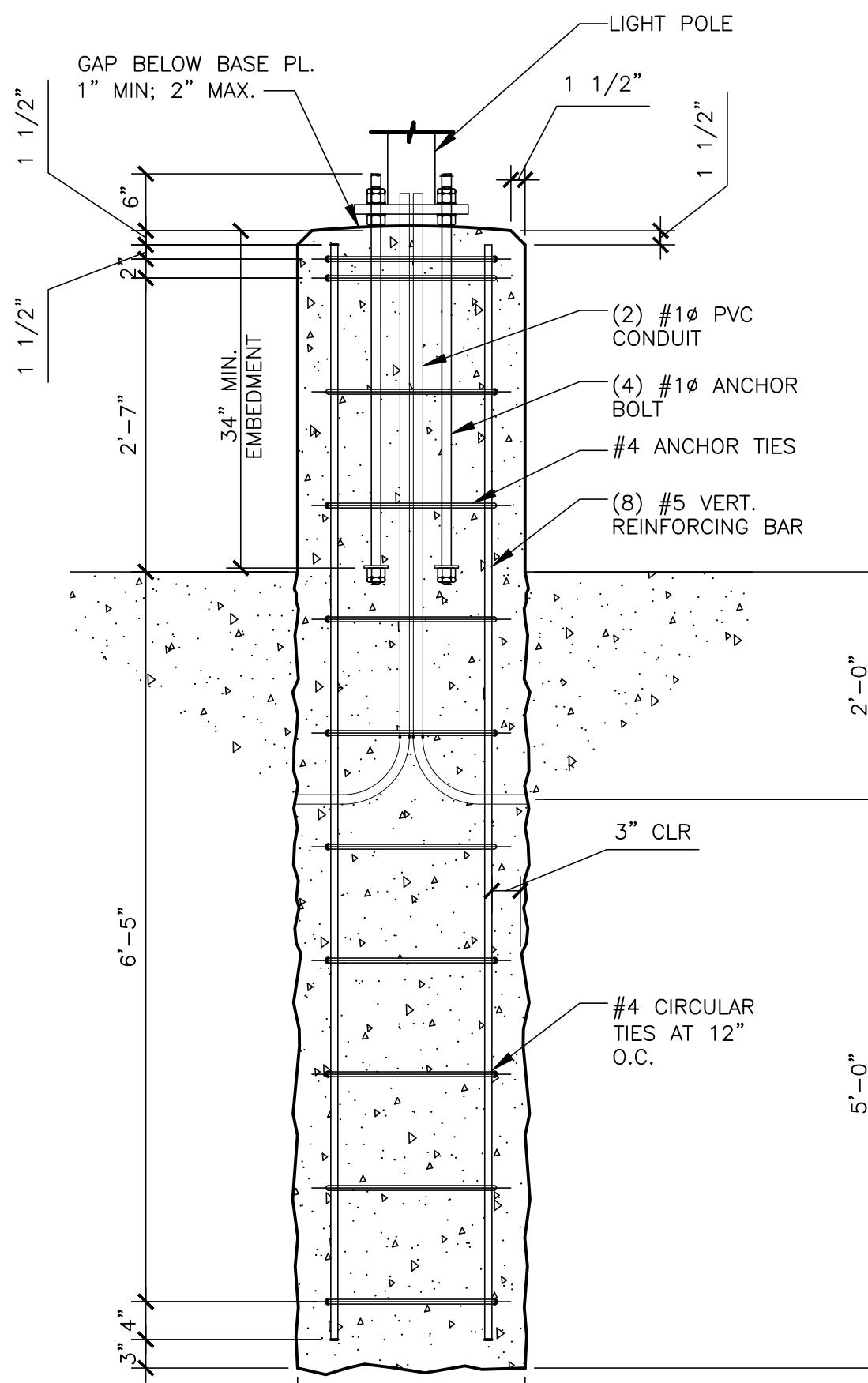
PIER SECTION DETAIL

PIER SECTION DETAIL

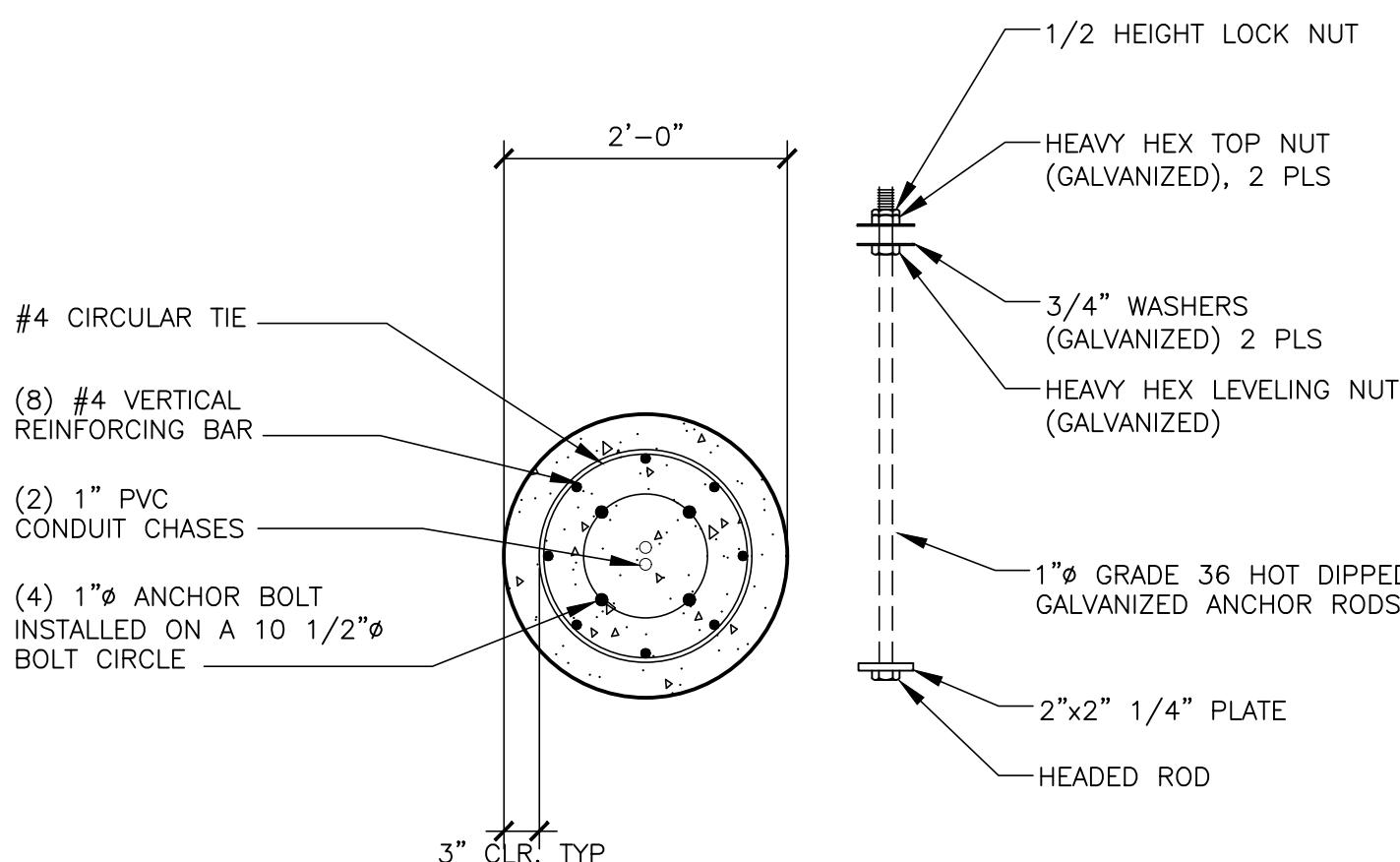
PIER SECTION DETAIL

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

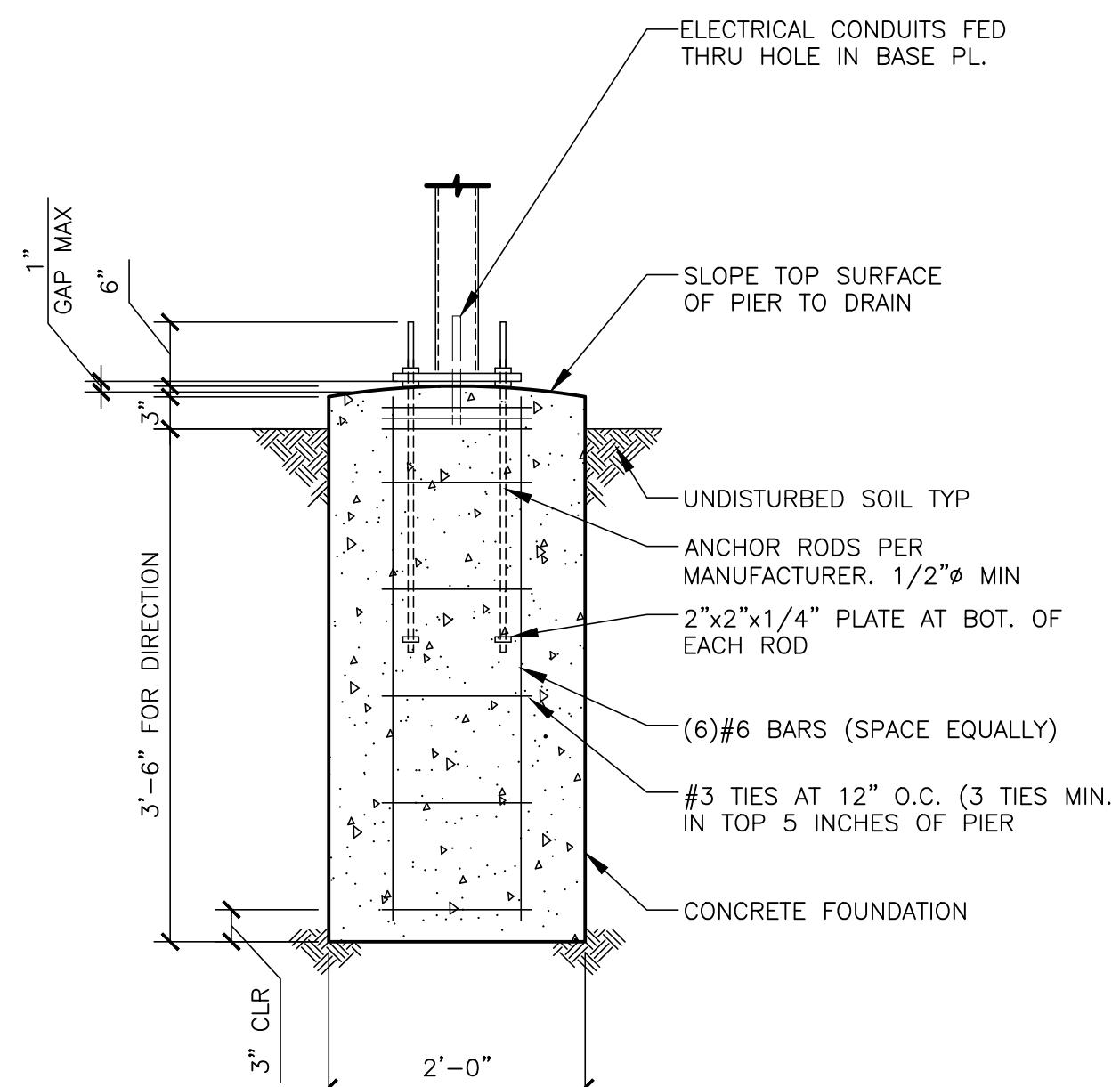


ANCHOR BOLT PATTERN

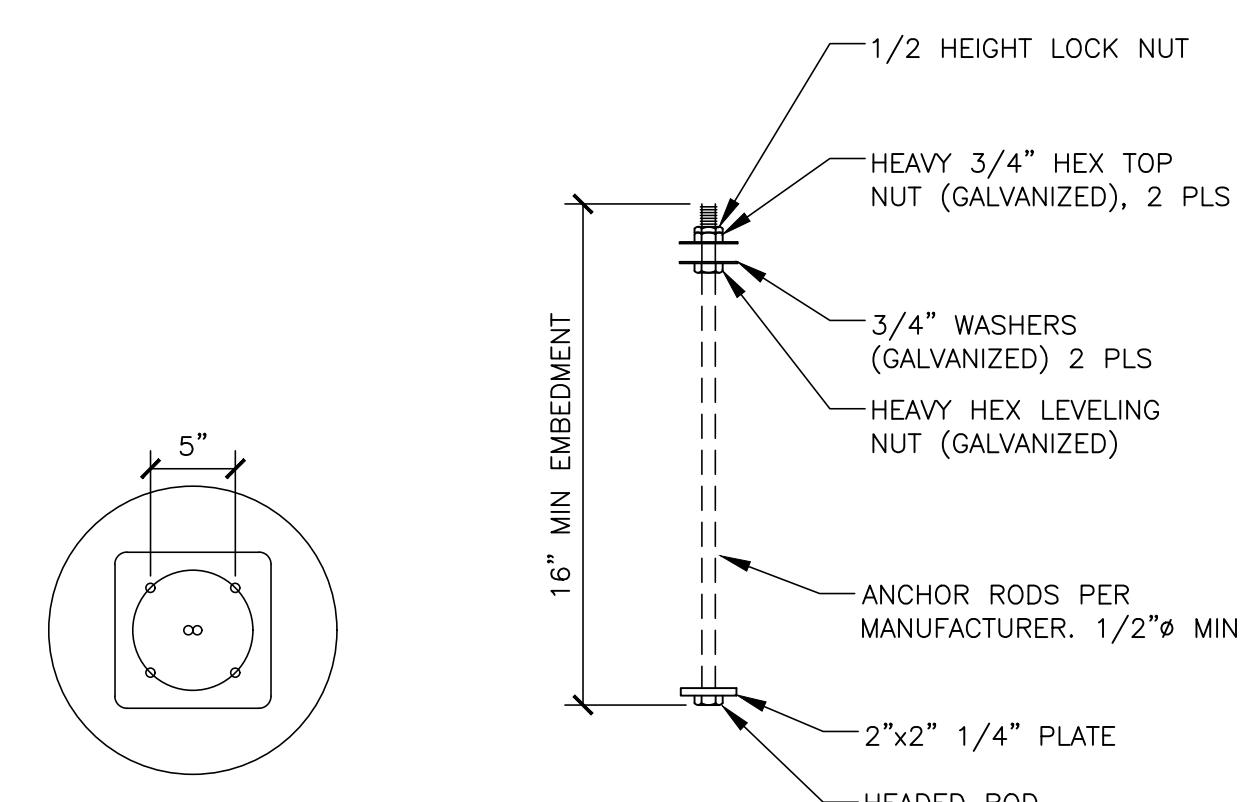
FOUNDATION FOR LIGHT POLE BASE

(S3.4) $\frac{3}{4}'' = 1'-0''$

- 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 PIERS 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



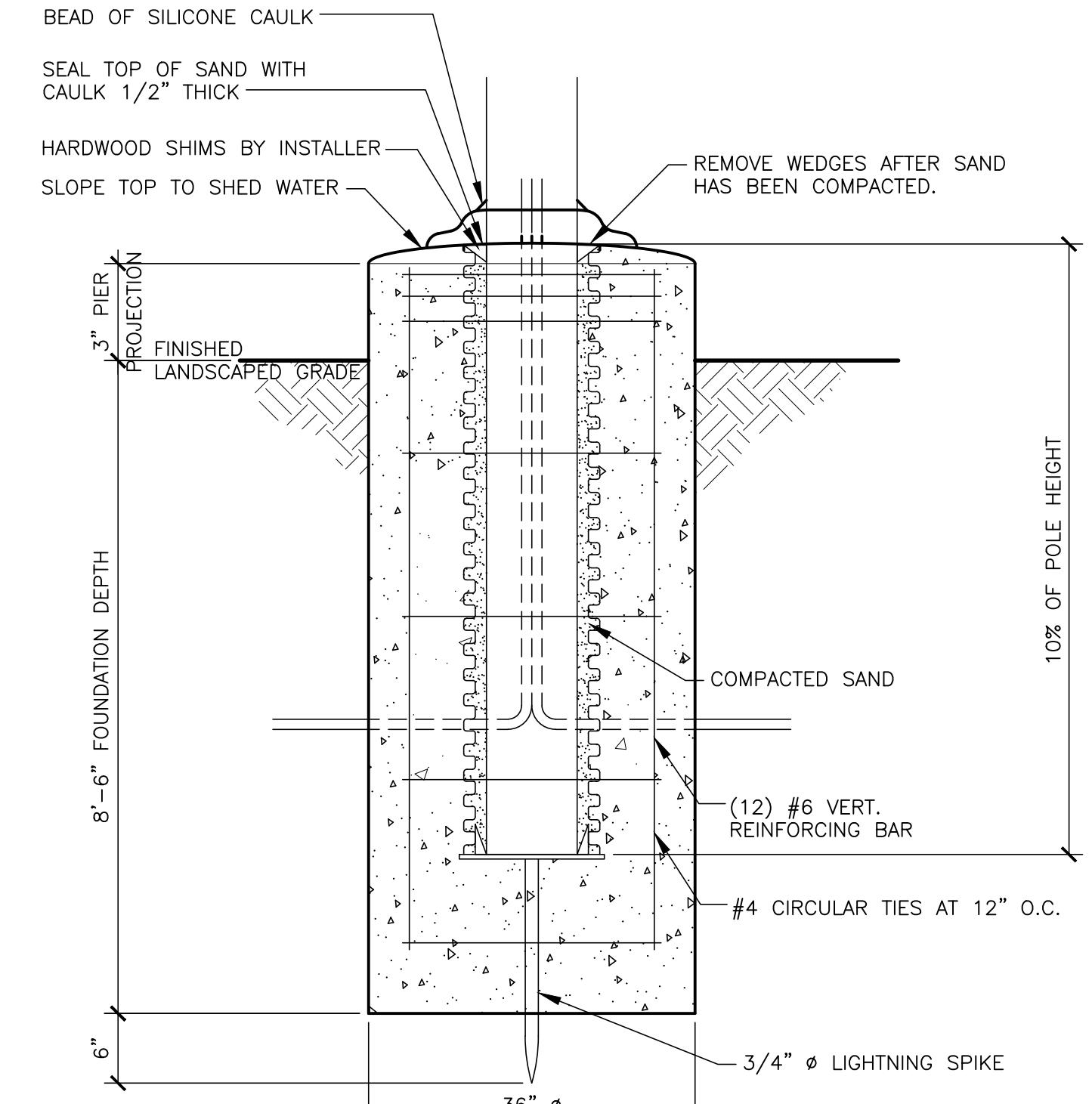
ANCHOR BOLT PATTERN

FOUNDATION FOR DIRECTION BOARD

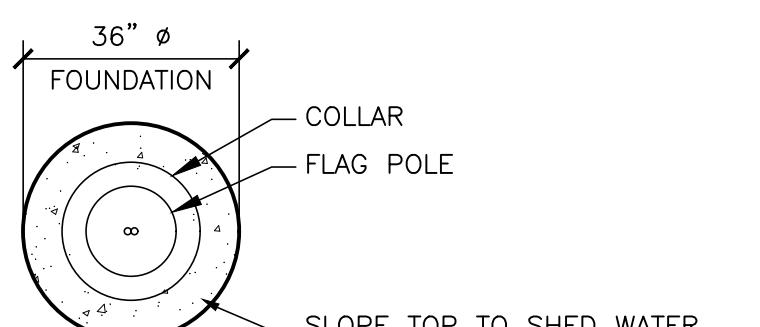
(S3.4) $\frac{3}{4}'' = 1'-0''$

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

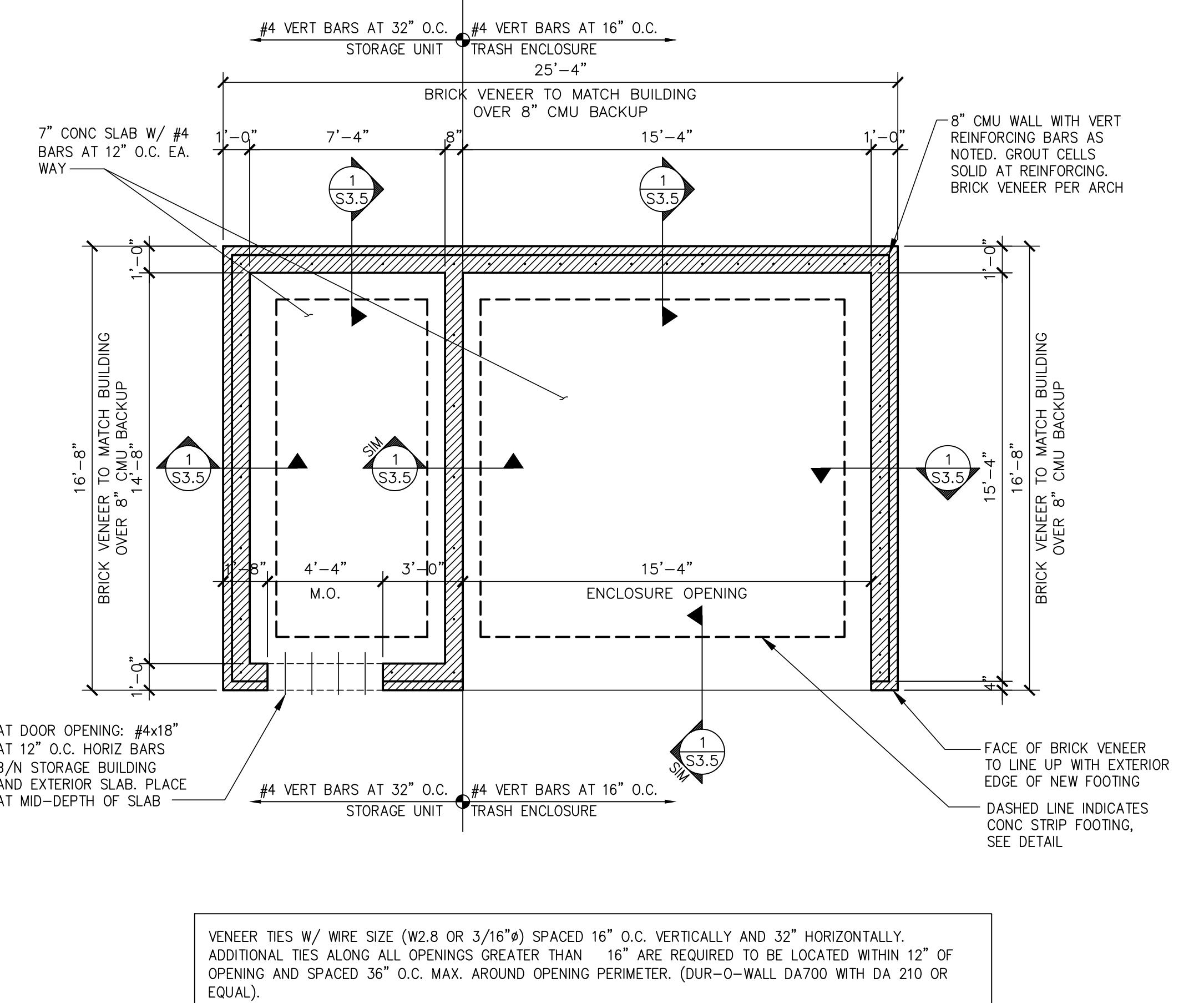
(S3.4) $\frac{3}{4}'' = 1'-0''$

TITLE	2024 STANDARD BUILDING - BB20	DRAWN BY	MR
DESCRIPTION	WOOD BEARING WALLS W/4" BRICK VENEER	STD ISSUE DATE	2024
REVIEWED BY	AP	DATE ISSUED	05/28/2024
SITE ID	JAWA 24-0018	SITE ADDRESS	STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES
042-3527	NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS	REV	DATE

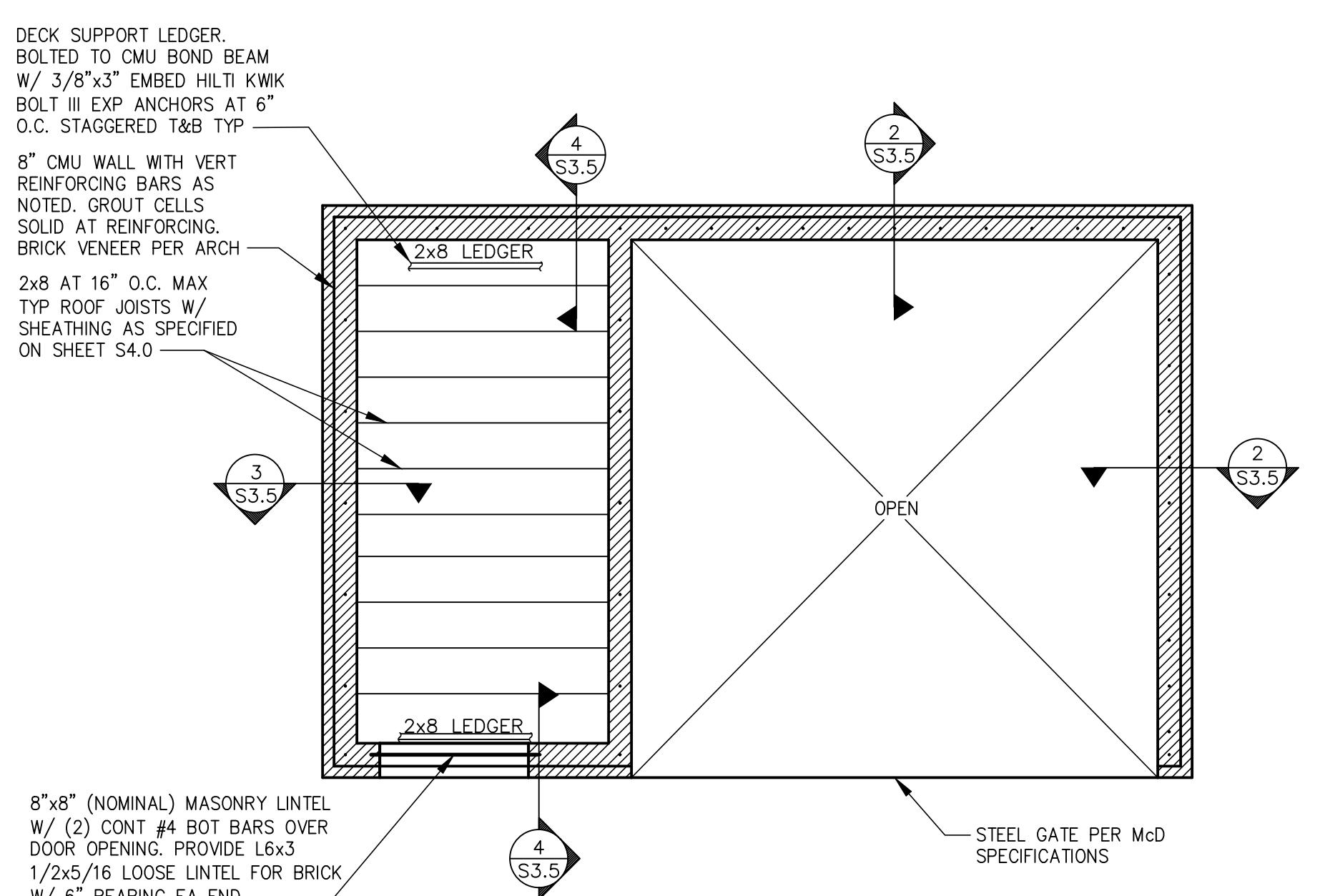
RUBIX CONSULTANTS LLC
Rubix Consultants, LLC
4033 N. Cicero Ave.
Chicago, IL 60613
(312) 602-5411
TX Firm Reg No. 14032

STATE OF TEXAS
ASHIF PANAKKAT
PROFESSIONAL ENGINEER
LICENSURE NO. 101398
SIGNED/SEALED:
5/29/2024

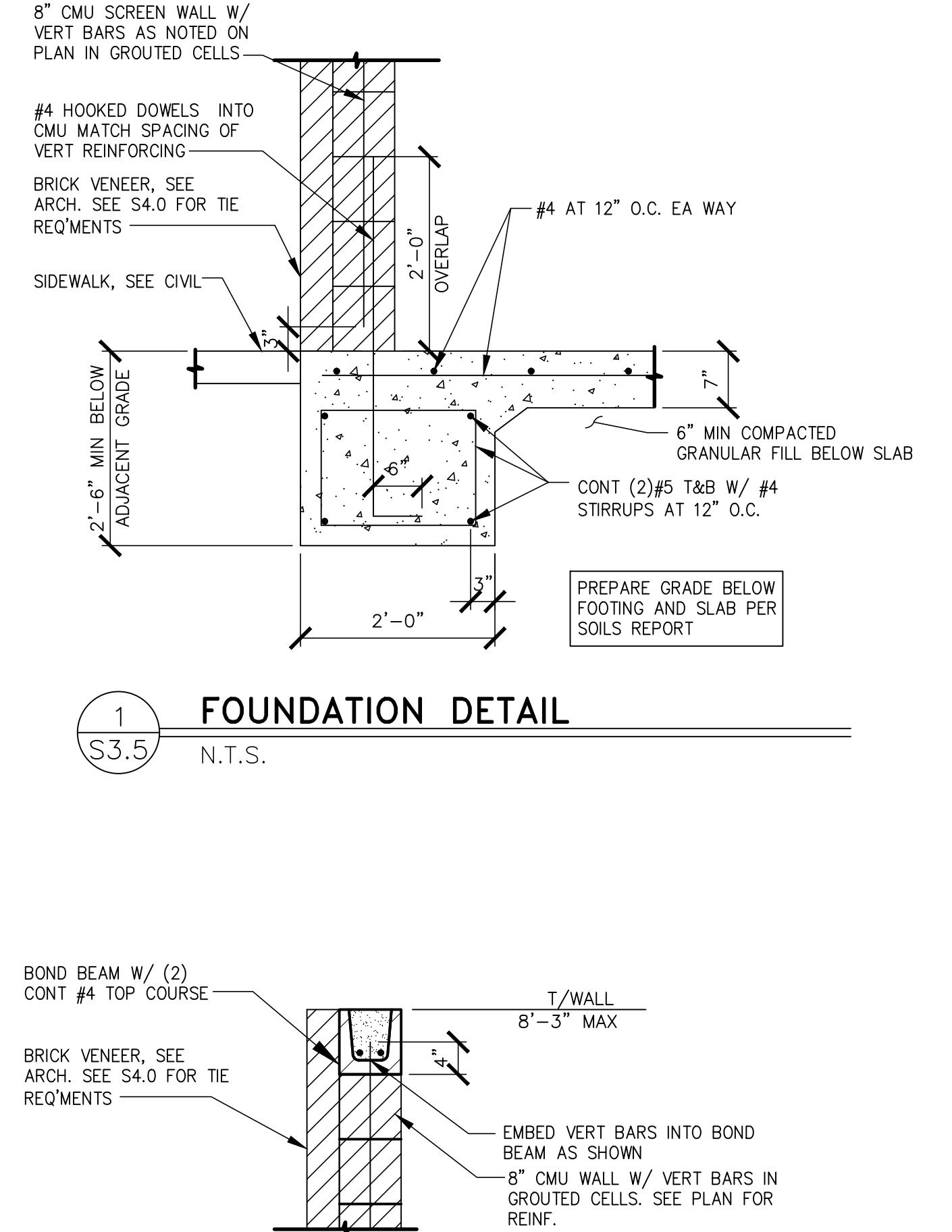
McDonald's USA, LLC
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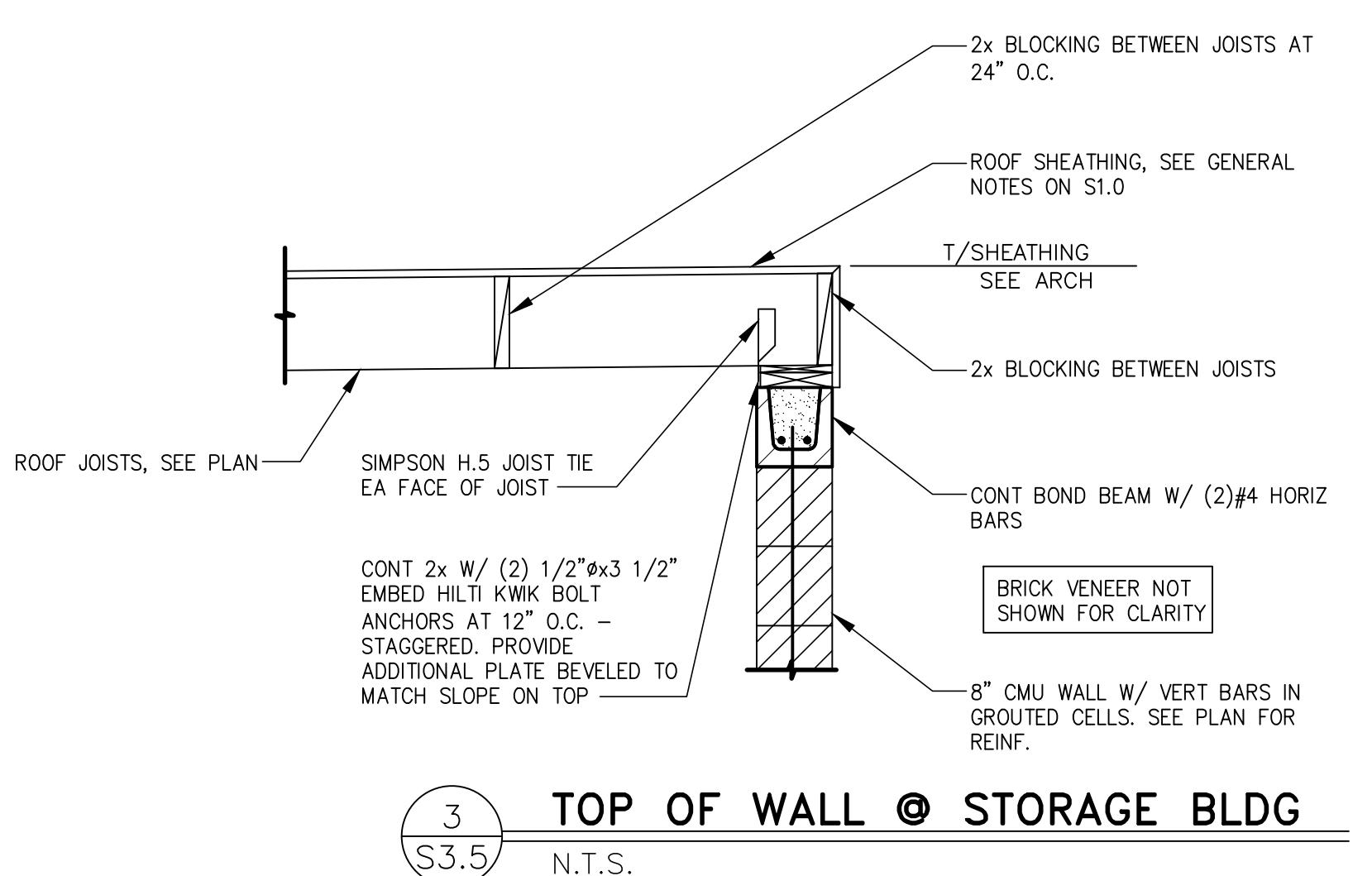
A
S3.5 **FOUNDATION PLAN @ TRASH ENCL**
N.T.S.



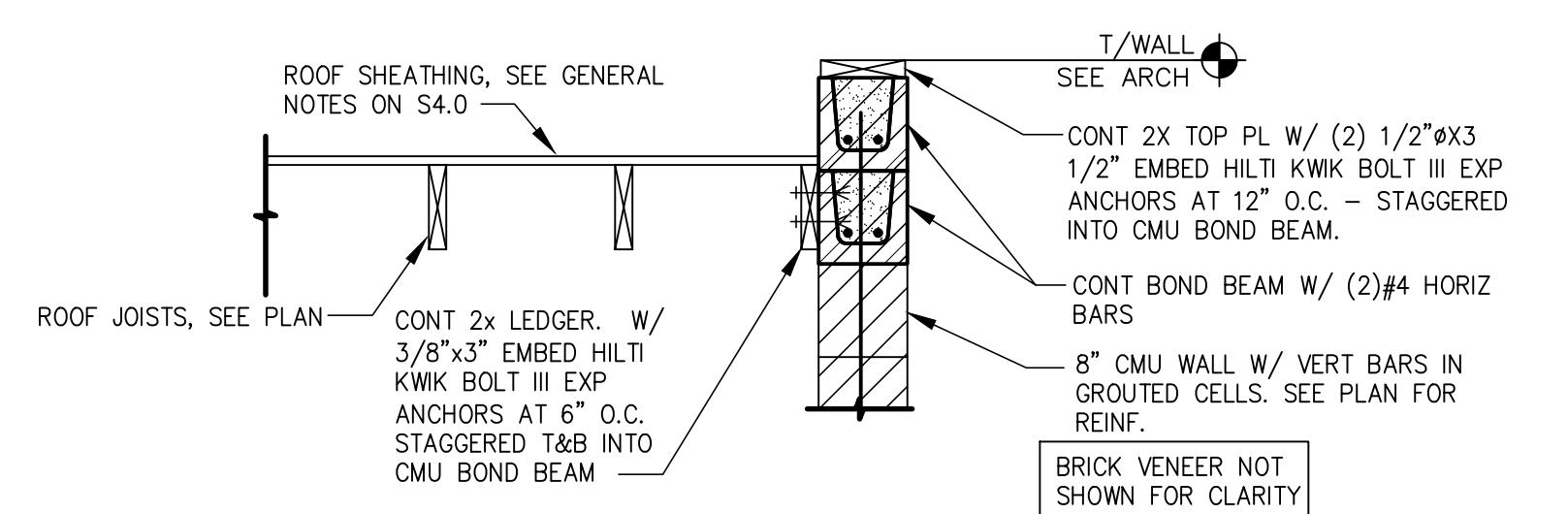
B FRAMING PLAN @ TRASH ENCL
S3.5 N.T.S.



TOP OF WALL @ TRASH ENCL



TOP OF WALL @ STORAGE BLDG



SECTION@ STORAGE BLDG

SHEET NO.	TITLE	DRAWN BY MR	STD ISSUE DATE 2024
S3.5	2024 STANDARD BUILDING – BB20 4584 – WOOD/WOOD	REVIEWED BY AP	DATE ISSUED 05/28/2024
DESCRIPTION WOOD BEARING WALLS W/4" BRICK VENEER WOOD ROOF TRUSS FRAMING STUCCO/BATTEN/METAL/BRICK VENEER EXTERIOR FINISHES		SITE ID SITE ADDRESS 042-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS	
JAWA 24-0018 TRASH FNCL DETAILS			
SHEET NO. TITLE DRAWN BY STD ISSUE DATE DESCRIPTION SITE ID SITE ADDRESS JAWA 24-0018 TRASH FNCL DETAILS			

STRUCTURAL GENERAL NOTES:

DESIGN AND LOADING	
1.	THE STRUCTURAL DESIGN OF THIS BUILDING WAS BASED ON THE DESIGN CRITERIA:
A.	BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE
B.	FLOOR: LIVE LOAD: 115 PSF DEAD LOAD: 20 PSF SNOW: GROUNDS: 5 PSF FLAT ROOF LOAD: 5 PSF SNOW EXPOSURE: 5 PSF, CE: 1.0 IMPORTANCE FACTOR, I: 1.0 THERMAL COEFFICIENT, CT: 1.0
C.	ROOF: LIVE LOAD: 20 PSF DEAD LOAD: 20 PSF
D.	SNOW: GROUNDS: 5 PSF FLAT ROOF LOAD: 5 PSF SNOW EXPOSURE: 5 PSF, CE: 1.0 IMPORTANCE FACTOR, I: 1.0 THERMAL COEFFICIENT, CT: 1.0
E.	WIND: BASIC WIND SPEED: 105 MPH (3 SEC GUST) IMPORTANCE FACTOR: 1.00 BUILDING OCCUPANCY CATEGORY: II WIND EXPOSURE: C PRESSURES PER ASCE 7-16
F.	SEISMIC: OCCUPANCY CATEGORY: II IMPORTANCE FACTOR: 1.00 GTF CLASS: A SDS = 0.075, SDI = 0.05 DESIGN CATEGORY: A PLYWOOD SHEAR WALLS (R = 6.5) STEEL ORDINARY CONCENTRICALLY BRACED FRAME (R = 3.25) ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
G.	FLOOD LOAD: N/A
H.	SPECIAL LOADS: N/A

FOUNDATION NOTES	
1.	THE FOUNDATION DESIGN OF THIS BUILDING WAS BASED ON THE FOLLOWING CRITERIA:
A.	MINIMUM ALLOWABLE SOIL BEARING CAPACITY = 6,000 PSI AT THE BASE OF DRILLED UNDER REAMED PIERS PENETRATING A MINIMUM 18' BELOW FINISHED GRADE.
B.	RECOMMENDED BY TERRACON IN THEIR REPORT NO. 94245267 DATED JUNE 25 , 2024.
C.	ALL GRADE BEAM SHALL HAVE A MINIMUM CARDBOARD VOID FORM BELOW AS NOTED ON GEOTECHNICAL REPORT.
2.	THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY IN THE EVENT THAT THE SOILS CONDITIONS ENCOUNTERED VARY FROM THOSE SHOWN ON THE BORING LOGS.
3.	ALL FOUNDATION EXCAVATIONS AND PIER PENETRATIONS IN CEMENTED SANDSTONE SHALL BE INSPECTED AND APPROVED BY A SOILS TESTING LABORATORY PRIOR TO PLACEMENT OF CONCRETE.

CONCRETE AND REINFORCING	
1.	ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301) LATEST EDITIONS.
2.	ALL NORMAL WEIGHT CONCRETE (145 PCF) SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI (3500 PSI FOR SLABS).
3.	ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE SHALL BE AIR ENTRAINED AS RECOMMENDED BY ACI 318.
4.	TEST CYLINDERS SHALL BE MADE AND TESTED AS OUTLINED IN CHAPTER 16 OF ACI-301.
5.	REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARD 311 AND 315R.
6.	PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITIONS SHOWN ON THE PLANS AND DETAILS. PLASTIC COATED ACCESSORIES SHALL BE USED IN ALL EXPOSED CONCRETE WORK.
7.	THE GENERAL CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND THE SUB-CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR PROPER LOCATION.

STRUCTURAL STEEL	
1.	STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN CONFORMANCE WITH THE AISC360 "SPECIFICATION FOR STRUCTURAL STEEL". SEISMIC DESIGN OF STRUCTURAL STEEL STRUCTURES SHALL CONFORM TO AISC 341.
2.	STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:

- A. ANCHOR RODS F1554, GRADE 36
- B. HIGH STRENGTH STRUCTURAL BOLTS A325-N U.N.O.
- C. STRUCTURAL SHAPES (W) A992
- D. STRUCTURAL SHAPES (M, S, C, MC, PLATES) A36
- E. STRUCTURAL SHAPES (HP) A572
- F. STRUCTURAL TUBING (HSS) A500 GRADE B
- G. STRUCTURAL ANGLES A36

3. ALL WELDING ELECTRODES SHALL BE E70-XX. ALL SHOP AND FIELD WELDING SHALL BE MADE IN ACCORDANCE WITH A.W.S. D1.1 "CODE FOR WELDING IN BUILDING CONSTRUCTION" AND SHALL BE MADE BY CERTIFIED WELDERS.

LAMINATED VENEER LUMBER (LVL)

- 1. ALL BEAMS SHALL BE MANUFACTURED WITH LAMINATED VENEER LUMBER AND WATERPROOF ADHESIVES.
- 2. SIZE, MANUFACTURER & SERIES OF ALL LVL MEMBERS SHALL BE AS SHOWN ON DRAWINGS.
- 3. ANY SUBSTITUTIONS MUST BE APPROVED IN WRITING BY ENGINEER OR ARCHITECT OF RECORD.

- 4. PROVIDE 3" MINIMUM BEARING OR AS SPECIFIED ON PLANS. REFER TO PLANS FOR FASTENING OF MULTIPLE PIECE BEAMS.

OPEN WEB WOOD JOISTS

- 1. OPEN WEB WOOD JOISTS SHALL BE MANUFACTURED WITH MACHINE STRESS RATED TOP AND BOTTOM CHORDS. WEBS SHALL BE TUBULAR STEEL MEMBERS PER MANUFACTURERS' SPECIFICATIONS.
- 2. SIZE, MANUFACTURER & SERIES OF ALL OPEN WEB JOISTS SHALL BE AS SHOWN ON DRAWINGS. ANY SUBSTITUTIONS MUST BE APPROVED IN WRITING BY ENGINEER OR ARCHITECT OF RECORD.

- 3. PROVIDE 3 1/2" MINIMUM BEARING OR AS SPECIFIED ON PLANS. SHIM AS REQUIRED TO PROVIDE FULL BEARING AND LEVEL SUPPORT.
- 4. DO NOT CUT TOP OR BOTTOM CHORDS.

- 5. ALL HANGERS AND FRAMING CONNECTORS SHOWN ARE MANUFACTURED BY SIMPSON STRONG TIE, ANY SUBSTITUTIONS MUST BE APPROVED IN WRITING BY ENGINEER OR ARCHITECT OF RECORD.
- 6. REFER TO PLANS FOR WEB STIFFENER AND CONCENTRATED LOAD REQUIREMENTS.

- 7. REFER TO MANUFACTURERS' INSTALLATION GUIDE FOR JOIST BRACING DURING ERECTION. REFER TO MANUFACTURERS' INSTALLATION GUIDE FOR JOIST BRIDGING REQUIREMENTS.

SAWN LUMBER

- 1. ALL GRADES OF LUMBER INDICATED ON STRUCTURAL DRAWINGS SHALL BE RATED BY THE SOUTHERN PINE INSPECTION BUREAU (SPIB), OR THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA). LUMBER GRADES SHALL BE AS FOLLOWS, WITH A MAXIMUM MOISTURE CONTENT OF 19%:
A. SOUTHERN PINE NO. 1.
B. DOUGLASS FIR-LARCH NO. 1.
C. HEM-FIR NORTH NO. 1.
- 2. BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- 3. MINIMUM NAILED CONNECTIONS FOR WOOD FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE IF NO OTHER CRITERIA IS GIVEN.
- 4. CONNECTORS SHOWN ON THE DETAILS ARE MANUFACTURED BY SIMPSON. WRITTEN APPROVAL BY ENGINEER REQUIRED FOR SUBSTITUTIONS.

ROOF & WALL SHEATHING

- 1. ALL SHEATHING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION (APA) DESIGN SPECIFICATIONS, LATEST EDITION. SHEATHING SHALL BE CONTINUOUS OVER THREE ADJACENT SPANS MINIMUM.
- 2. WALL SHEATHING SHALL BE 15/32" (1/2" NOMINAL) APA RATED SHEATHING, EXPOSURE 1, 32/16. ALL WALL SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/ 8d COMMON NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.
- 3. ROOF SHEATHING SHALL BE 23/32" (3/4" NOMINAL) APA RATED SHEATHING, EXPOSURE 1, 48/24. ALL ROOF SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/ 10d COMMON NAILS @ 6" O.C. AT PANEL EDGES, AND 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.

MISCELLANEOUS

- 1. ALL DIMENSIONS ON STRUCTURAL DRAWINGS TO BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS BY THE GENERAL CONTRACTOR AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.
- 2. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES, AND FOR SAFE CONDITIONS ON THE JOB SITE.
- 3. DO NOT SCALE THE DRAWINGS.

CONCRETE BLOCK JOINT REINFORCEMENT (AT DUMPSTER ENCLOSURE):

ALL CONCRETE BLOCK WALLS TO RECEIVE THE FOLLOWING JOINT REINFORCEMENT:
LADDER TYPE JOINT REINFORCING WITH SIDE AND CROSS RODS WITH WIRE SIZE (W.8 OR 3/16") SPACED 16" O.C. VERTICALLY. (HOHMANN & BARNARD 220 "SUPER HEAVY DUTY" OR EQUAL) SIMILAR FOR CONCRETE BRICK PRODUCTS.

CONCRETE BLOCK JOINT REINFORCEMENT

VENeer Tie Requirements:

- 1. FOR SEISMIC DESIGN CATEGORIES 'A' THROUGH 'C' WITH ULTIMATE WIND SPEED LESS THAN 140 MPH, USE THE FOLLOWING:
VENeer TIES W/ WIRE SIZE (W.8 OR 3/16") SPACED 16" O.C. VERTICALLY AND 32" HORIZONTALLY. ADDITIONAL TIES ALONG ALL OPENINGS GREATER THAN 16" ARE REQUIRED TO BE LOCATED WITHIN 12" OF OPENING AND SPACED 36" O.C. MAX. AROUND OPENING PERIMETER. (HOHMANN & BARNARD VBT-VEE-BYNA TIE WITH DW10-HS ANCHOR PLATE OR EQUAL).

VENeer Tie Requirements

ALL UTILITY CONNECTIONS IS TO BE COORDINATED WITH CIVIL ENGINEER ON RECORD AND ACM, GC TO VERIFY ANY DISCREPANCIES WITH ARCHITECT, ENGINEERS OF RECORD, AND ACM.

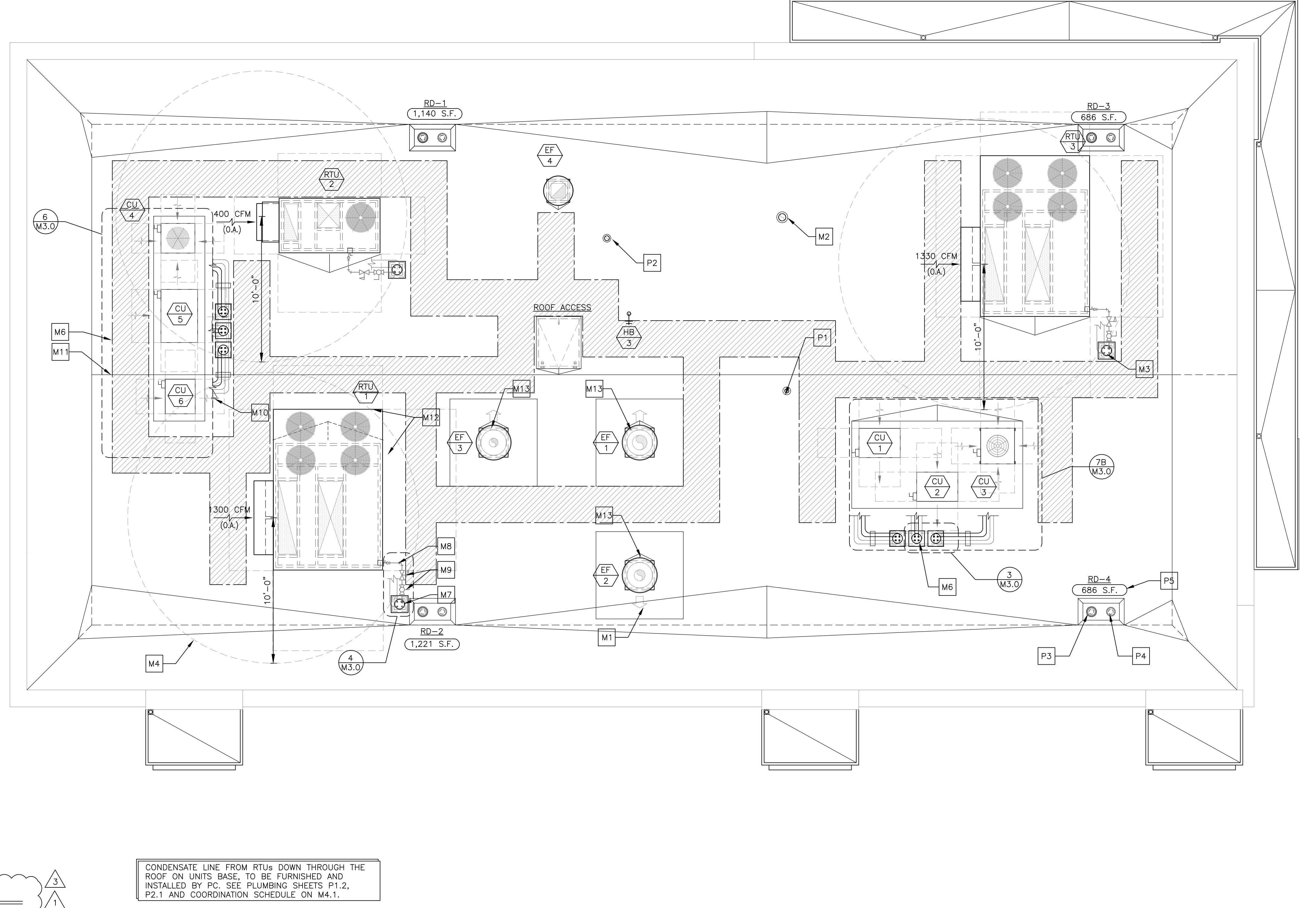


Signed/Sealed:
10/03/2024



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TITLE	MR	STD ISSUE DATE	REVIEWED BY
2024 STANDARD BUILDING - BB20		2024	AP
4584-WOOD/WOOD			DATE ISSUED
DESCRIPTION			05/28/2024
WOOD BEARING WALLS W/4" BRICK VENEER			
WOOD ROOF TRUSS FRAMING			
STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES			
SITE ID			
402-3527			
NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS			
SHEET NO.			
JAWA 24-0018			
S4.0			
STRUCTURAL NOTES			



DRAWING NOTES

- ROOFTOP EQUIPMENT LOCATIONS SHOWN ARE GENERAL. ACTUAL LOCATIONS SHALL BE COORDINATED WITH THE STRUCTURAL DRAWINGS.
- ROOF OPENINGS FOR ROOFTOP UNITS AND EXHAUST FANS SHALL BE COORDINATED WITH THE MANUFACTURER.
- 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.
- 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 PROVIDE HAIL GUARD FOR RTU-1 PROTECTING CONDENSER COIL FROM GREASE.
- M3 EXHAUST FANS WITH WINDBAND EXTENSION TO PREVENT DIRECT GREASE BLOW ONTO CONDENSER COIL OF UNIT RTU-1.
- 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 ROOF PIPE PORTAL FOR ROOFTOP UNITS (TYP. 3 PLACES)
- M8 GAS PIPING FROM ROOF PORTAL TO ROOFTOP UNIT SHALL BE COATED WITH A CORROSION RESISTANT PAINT (SEE SHEET M4.0 "NATURAL GAS SYSTEMS", NOTE 8).
- M9 GAS PRESSURE REGULATOR AND SHUT-OFF VALVE, SET PRESSURE AT 7" W.C. - NATURAL GAS (TYP. OF 3)
- 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

MANUFACTURER	CURB DIMENSIONS	CURB TYPE	CAP TYPE (QTY)	SERVES	THERMOSTAT SETTINGS		
RPS	43"x12"x13"H	RC-2A	N18 (3)	CU-1 THROUGH CU-6	MODE OCCUPIED	FAN ON	COOLING 75°F
RPS	12"x12"x11"H	RC-2A	N18 (1)	RTU-1 THROUGH RTU-3	UNOCCUPIED	AUTO	HEATING 70°F

SEQUENCE OF OPERATION

- RTU-1, RTU-2 & RTU-3:**
- OCCUPIED MODE SHALL BEGIN AS FOLLOWS:
 - RTU-1: 2 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)

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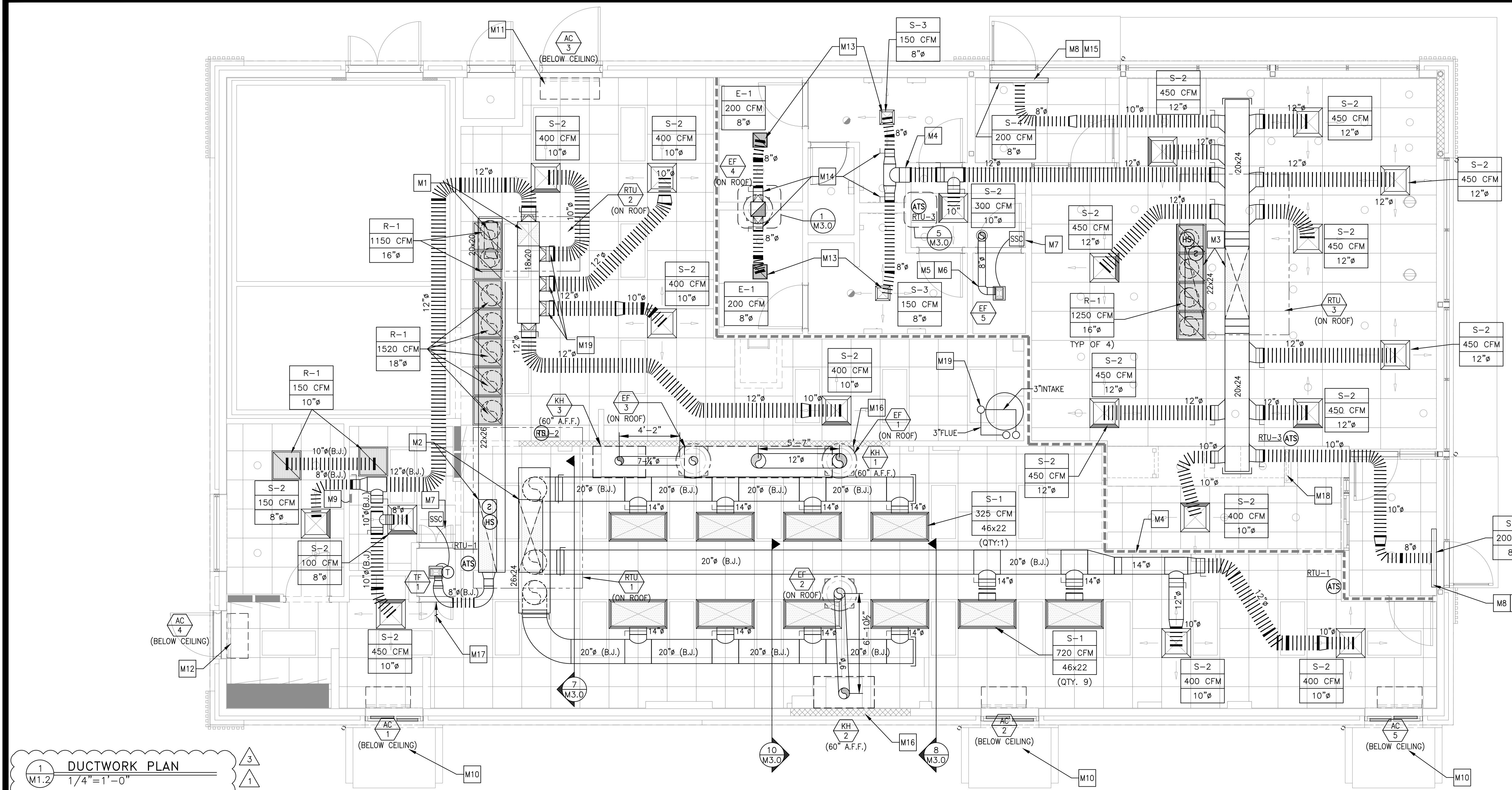
1	09/20/2024	WCD OC AND CITY PLAN REVIEW COMMENTS
2	05/12/2025	CITY COMMENTS - BUILDING SIGNAGE LAYOUT - PROTO UPDATE
3	06/13/2025	BUILDING SQUARE-OFF & RTU UPDATE

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ROBERT D. ANDERSON
Firm No.: 5324
6/17/23

JAWA 24-0018
M 1.0
ROOF PLAN



DRAWING NOTES

1. ALL DUCTWORK SHALL BE RUN BETWEEN OR THROUGH THE JOISTS UNLESS NOTED OTHERWISE. DUCTWORK DESIGNATED WITH (B.J.) SHALL BE RUN BELOW THE JOISTS.
2. DUCT SIZES SHOWN ARE INTERNAL FREE AREA DIMENSIONS UNLESS NOTED OTHERWISE.
3. ALL SHEET METAL DUCTWORK SHALL BE EXTERNALLY INSULATED. INSULATION IS NOT SHOWN FOR CLARITY. SEE MECHANICAL NOTES FOR INSULATION REQUIREMENTS.
4. CARBON STEEL KITCHEN EXHAUST DUCTWORK SHALL BE EXTERNALLY INSULATED. INSULATION NOT SHOWN FOR CLARITY. SEE MECHANICAL NOTES AND DETAILS FOR INSULATION REQUIREMENTS.
5. RETURN AIRFLOW VOLUME SHOWN ON PLAN IS FOR DUCTWORK SIZING PURPOSES WHEN THE UNIT IS IN RECIRCULATION (UNOCCUPIED) MODE.
6. DIFFUSERS IN DINING ROOM ARE SPECIFIC TO THE DECOR PLAN SHOWN. DIFFERENT CEILING LAYOUTS MAY REQUIRE A DIFFERENT DIFFUSER TYPES, QUANTITIES, LOCATIONS AND FINISHES/COLORS.
7. NO DIFFUSERS OR GRILLES TO BE INSTALLED ABOVE KIOSKS TO AVOID CONFLICTS WITH KIOSK'S CEILING PENETRATIONS FOR CONDUITS.

KEYED NOTES

- M1 18x20 SUPPLY AND 11x30 RETURN DUCT DROPS FROM ROOFTOP UNIT (RTU-2)
 - M2 20x60 SUPPLY AND 15x60 RETURN DUCT DROPS FROM ROOFTOP UNIT (RTU-1)
 - M3 20x60 SUPPLY AND 15x60 RETURN DUCT DROPS FROM ROOFTOP UNIT (RTU-3)
 - M4 PROVIDE SHEET METAL DUCT AT ALL DRAFTSTOP WALL PENETRATIONS (TYP.)
 - M5 8"Ø ALUMINUM DUCT FROM EXHAUST FAN UP THROUGH ROOF
 - M6 EXTERNALLY INSULATE EXHAUST DUCT FROM FAN TO ROOF PENETRATION
 - M7 STEADY STATE SPEED CONTROLLER FOR CEILING MOUNTED EXHAUST FAN. STEADY STATE SPEED CONTROLLER SHALL BE INSTALLED OVER SUSPENDED CEILING FOR ACCESS. DO NOT INSTALL OVER AREAS WITH DRYWALL CEILINGS.
 - M8 SET DIFFUSER'S (S-5) OUTER SLOT FOR VERTICAL AIR THROW PATTERN AND INNER SLOT FOR HORIZONTAL THROW PATTERN (TYP.)
 - M9 BUILDING AUTOMATION SYSTEM LOCATION. SEE LIGHTING CONTROL DETAILS ON SHEET E4.1.
 - M10 MOUNT AIR CURTAIN TIGHT TO CEILING
 - M11 MOUNT AIR CURTAIN WITH BOTTOM OF UNIT AT TOP OF DOOR FRAME
 - M12 MOUNT AIR CURTAIN WITH BOTTOM OF UNIT ABOVE DOOR FRAME AND TOP OF SWITCHGEAR TO MEET 3'-0" MINIMUM SWITCHGEAR'S CLEARANCE REQUIREMENT
 - M13 FOR DIFFUSERS INSTALLED IN DRYWALL CEILINGS, VOLUME DAMPER IS INTEGRAL TO DIFFUSER AND ADJUSTABLE AT FACE OF DIFFUSER (SEE NOTE 18 UNDER "VENTILATION SYSTEMS" ON DRAWING M4.0 AND AIR DEVICE SCHEDULE ON DRAWING M4.1)
 - M14 FOR DIFFUSERS INSTALLED IN DRYWALL CEILINGS, INSTALL HIGH-EFFICIENCY TAKE-OFFS WITH VOLUME DAMPER IN FULL-OPEN POSITION TO FACILITATE BALANCING AT FACE OF DIFFUSER.
 - M15 GENERAL CONTRACTOR SHALL PROVIDE ADDITIONAL T-BAR FRAME TO PROPERLY LOCATE DIFFUSER AS SHOWN. AIR STREAM FROM DIFFUSER SHALL COVER ENTIRE DOOR OPENING.
 - M16 NONCOMBUSTIBLE WALL CONSTRUCTION BEHIND TYPE I KITCHEN HOODS. REFER TO SHEET A1.0 FOR MORE INFORMATION.
 - M17 ONE INCH DOOR UNDERCUT TRANSFER AIR TO CLOSET (100 CFM)
 - M18 MECHANICAL CONTRACTOR TO PROVIDE 4x12 LOUVERED RETURN AIR BEHIND EACH RECESSED MENU BOARD. SEE ARCHITECTURAL PLANS, DETAIL 14/A3.1. AND AIR DEVICE SCHEDULE (R-2) ON SHEET M4.1.

2021 IMC SECTION 403.3 - VENTILATION SCHEDULE												
UNIT	AREA SERVED	AREA FT ² (Az)	CFM / PERSON N (Rp)	CFM/FT ² (Ra)	PEOPLE / 1000 FT ² (Pz)	BREATHING ZONE REQUIRED O/A CFM (Vbz)	Ez*	Ev**	REQUIRE D O/A CFM (Vot)***	ACTUAL O/A CFM	REQUIRE D EXHAUST CFM	ACTUAL EXHAUST CFM
RTU-1	PRESENTER	20	7.5	0.12	20	5	0.8	1.00	-	-	-	-
	KITCHEN	1000	7.5	0.12	20	270	0.8		-	-	-	-
275								231		1300		
RTU-2	SUPPORT	565	5	0.06	2	40	0.8	1.00	-	-	-	-
	MANAGER'S OFFICE	65	5	0.06	5	6	0.8		-	-	-	-
	CREW ROOM	100	5	0.06	5	9	0.8		-	-	-	-
	ORDER	95	7.5	0.12	20	26	0.8		-	-	-	-
79								131		400		
RTU-3	DINING	715	7.5	0.18	70	504	0.8	0.95	-	-	-	-
	CUSTOMER SERVICE	115	7.5	0.18	70	81	0.8		-	-	-	-
	VESTIBULE 1	60	-	0.06	-	4	0.8		-	-	-	-
	VESTIBULE 2	60	-	0.06	-	4	0.8		-	-	-	-
	WOMEN'S	135	-	-	-	-	-		-	-	-	-
	MEN'S	120	-	-	-	-	-		-	-	-	-
592								566		1330		
EF-1, 2 & 3	KITCHEN	1000	-	0.7	-	-	-	-	-	-	700	2405
EF-4	WOMEN'S	135	-	-	-	-	-	-	-	-	100	200
	MEN'S	120	-	-	-	-	-		-	-	100	200
EF-5	JANITOR'S CLOSET	25	-	-	-	-	-	-	-	-	75	2880
929								3030		900		

* ZONE AIR DISTRIBUTION EFFECTIVENESS BASED ON IMC TABLE 403.3.1.1.1.2 FOR CEILING SUPPLY OF WARM AIR 15° F OR MORE ABOVE SPACE TEMPERATURE AND CEILING RETURN.

** VENTILATION SYSTEM EFFICIENCY BASED ON IMC TABLE 403.3.1.1.2.3.2.

*** CORRECTED REQUIRED O/A INTAKE REQUIRED FOR SYSTEM CALCULATED BASED ON IMC SECTION 403.3.1.1.2.3.3.

M19 PROVIDE A SUFFICIENT LENGTH OF HORIZONTAL SUPPLY DUCT BETWEEN TRUSSES TO ALLOW TAKE-OFFS TO ALIGN WITH CENTER OF TRUSS WEB. VERIFY ALL CONDITIONS IN FIELD.

HEATING SCHEDULE

HEATING SCHEDULE			
	INPUT (BTU/HR)	OUTPUT (BTU/HR)	REQUIRED HEAT (BTU/HR)
NIT (RTU-1)	260,000	208,000	77,689
NIT (RTU-2)	65,000	52,000	28,230
NIT (RTU-3)	169,000	135,000	94,776
TOTALS	494,000	395,000	200,695

EQUIPMENT				
ROOFTOP UNIT (RTU-1)	260,000	208,000	77,689	
ROOFTOP UNIT (RTU-2)	65,000	52,000	28,230	
ROOFTOP UNIT (RTU-3)	169,000	135,000	94,776	
TOTALS	494,000	395,000	200,695	

McDonald's USA, LLC

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*Illumination*Plumbing*Power Distribution*Controls

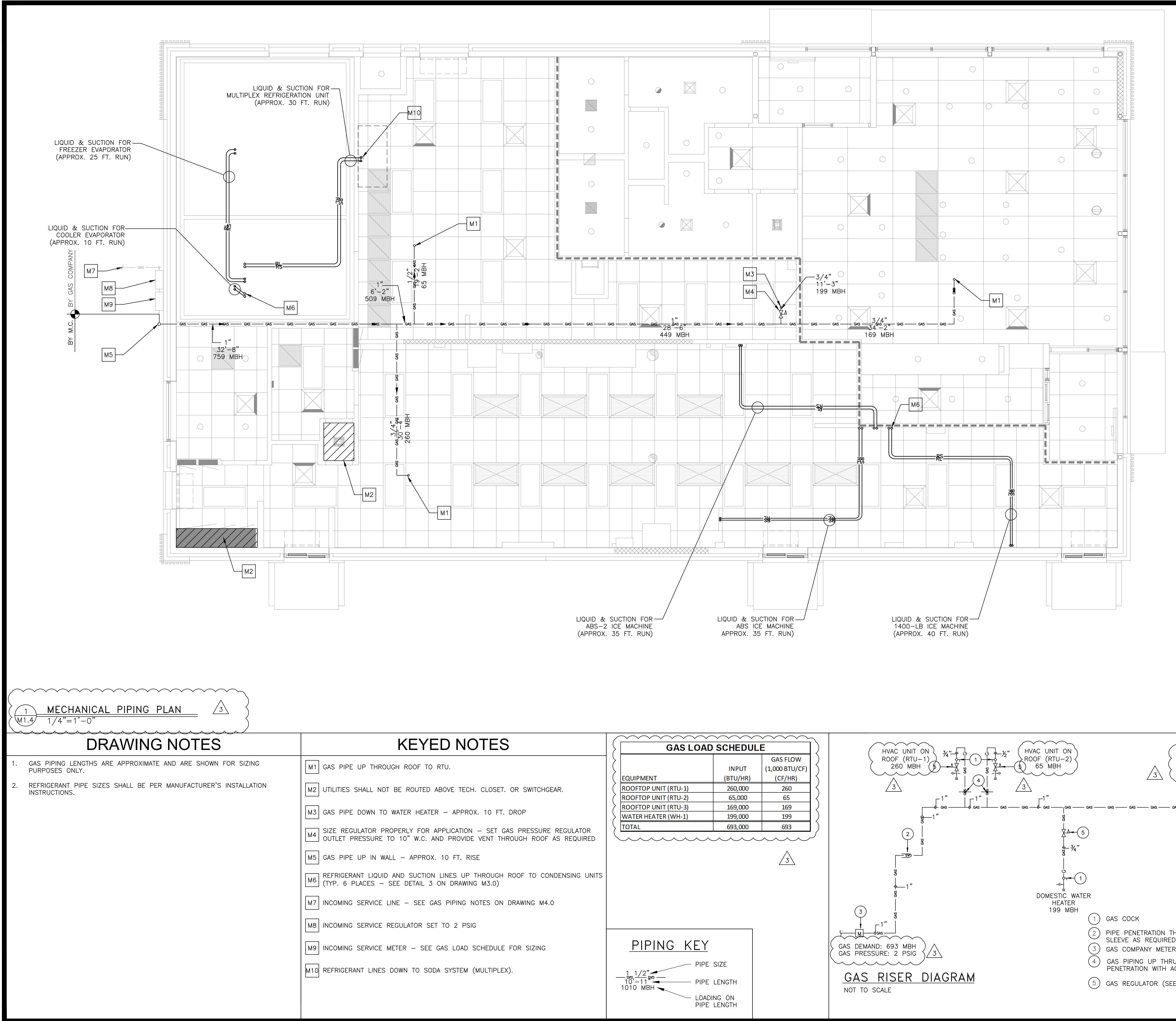
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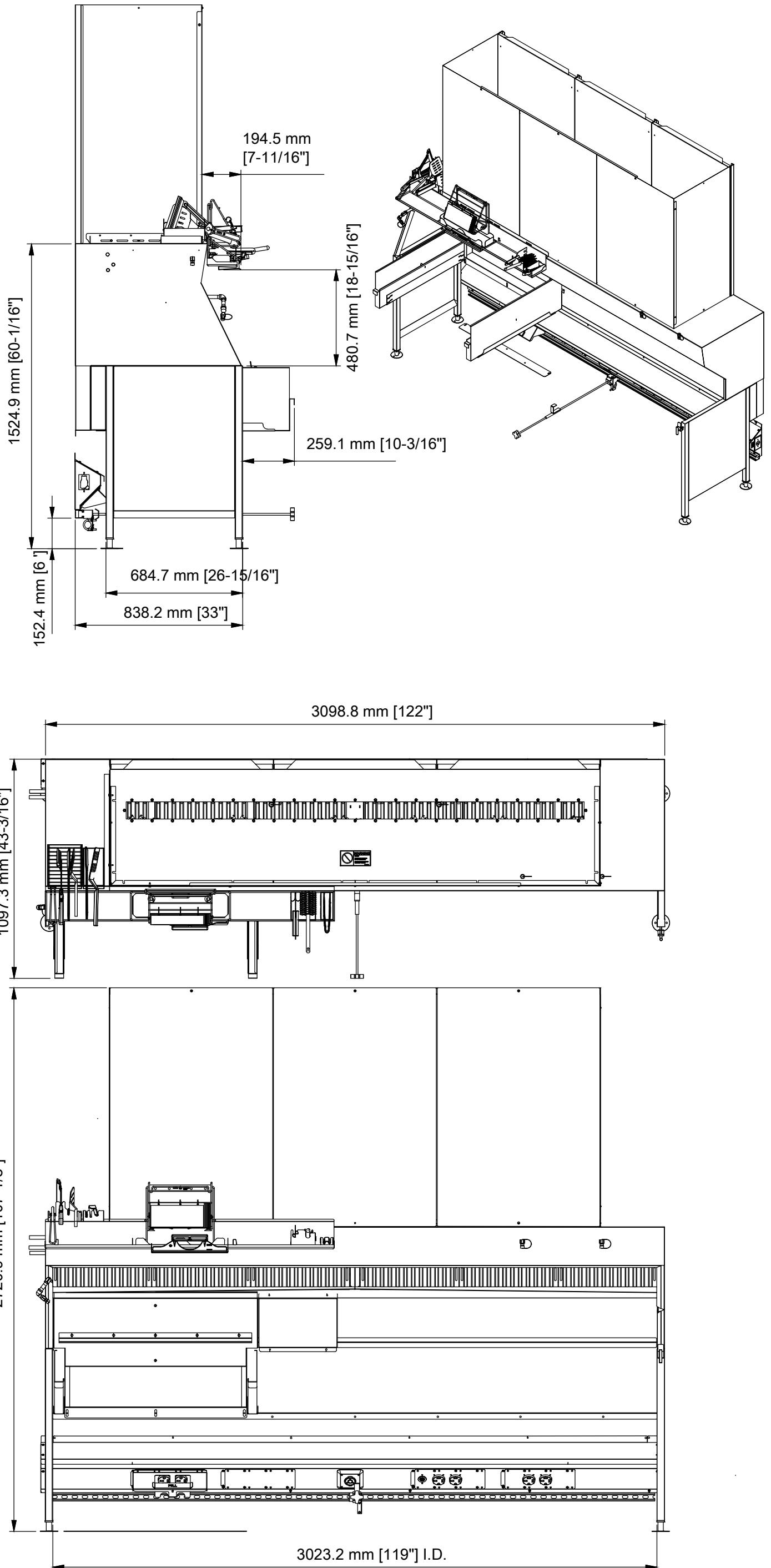


SHEET NO.	TITLE	DRAWN BY:	REV.
1	2024 STANDARD BUILDING - BB20	MES	09/20/2024
2	4584-WOOD/WOOD	JAW	05/12/2025
3	WOOD BEARING WALLS W/4" BRICK VENEER	REVIEWED BY:	06/13/2025
	STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES	DATE ISSUED:	05/28/2024
	SITE ADDRESS: 402-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS		
		BY:	

McDonald's USA, LLC

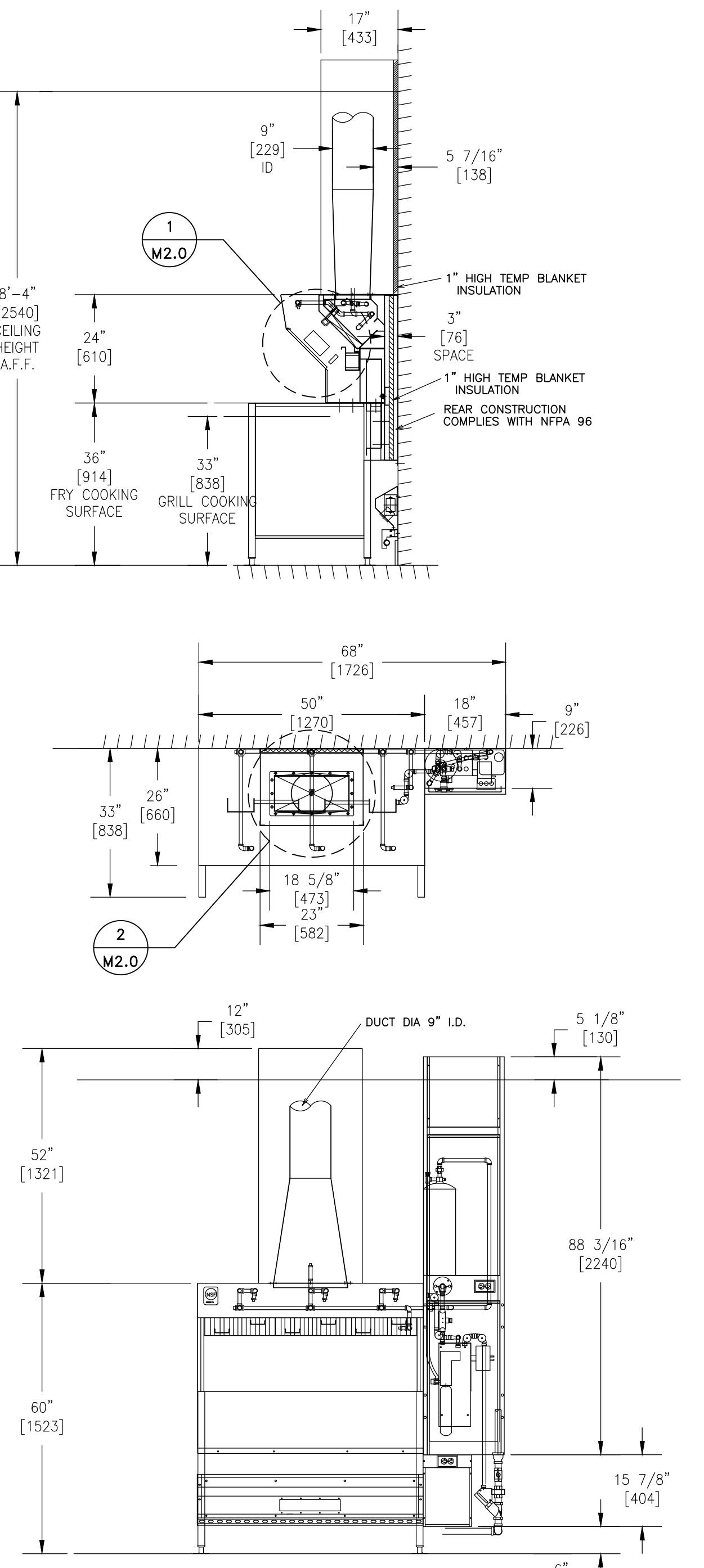
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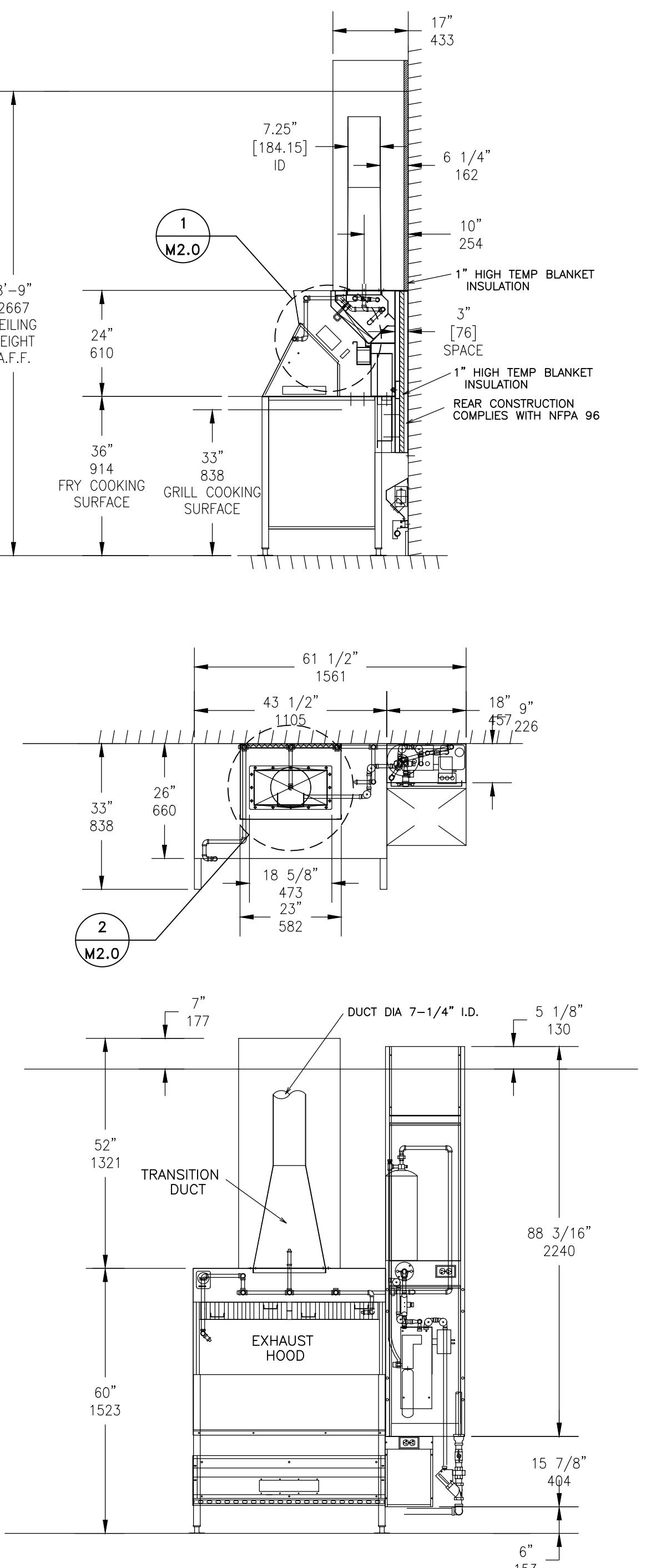
KITCHEN EXHAUST HOOD

TAG: KH-1 (SEE KITCHEN EXHAUST HOOD SCHEDULE)
SCALE: $\frac{1}{2}''=1'-0''$



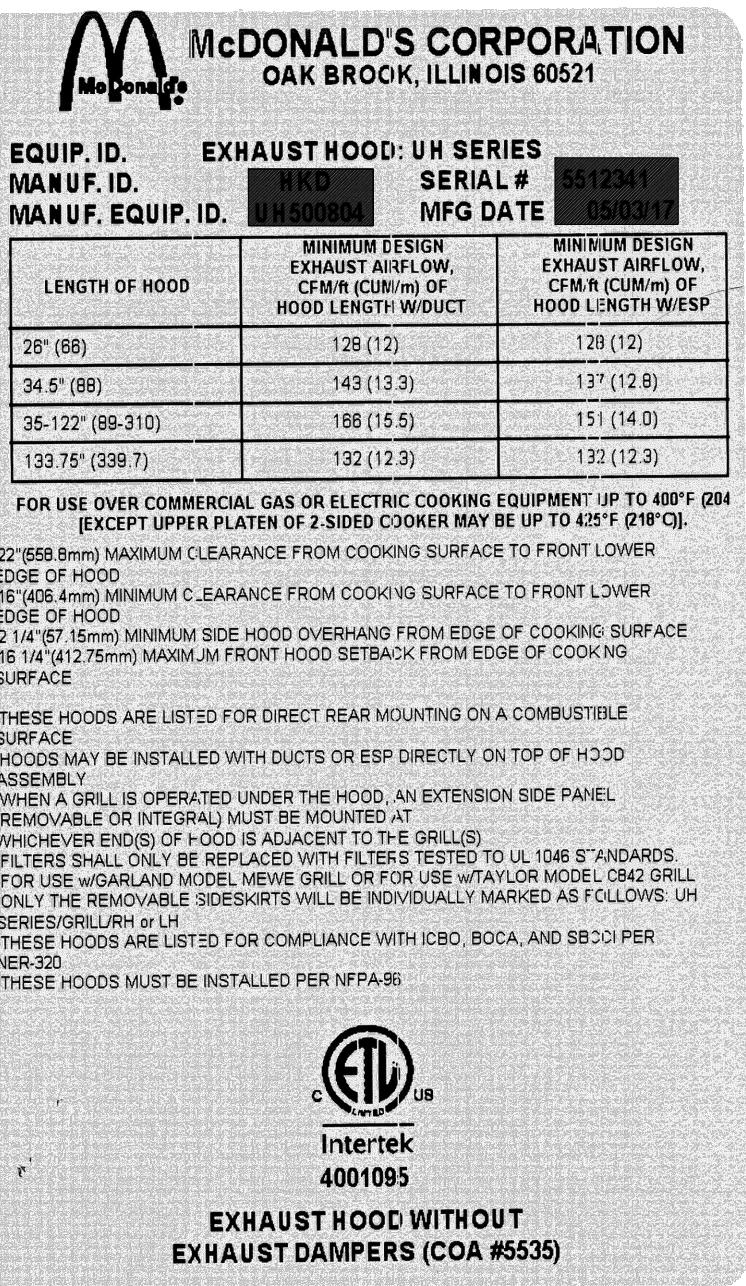
KITCHEN EXHAUST HOOD

TAG: KH-2 (SEE KITCHEN EXHAUST HOOD SCHEDULE)
SCALE: $\frac{1}{2}''=1'-0''$



KITCHEN EXHAUST HOOD

TAG: KH-3 (SEE KITCHEN EXHAUST HOOD SCHEDULE)
SCALE: $\frac{1}{2}''=1'-0''$



EXHAUST HOOD WITHOUT EXHAUST DAMPERS (COA #5535)

DETAIL

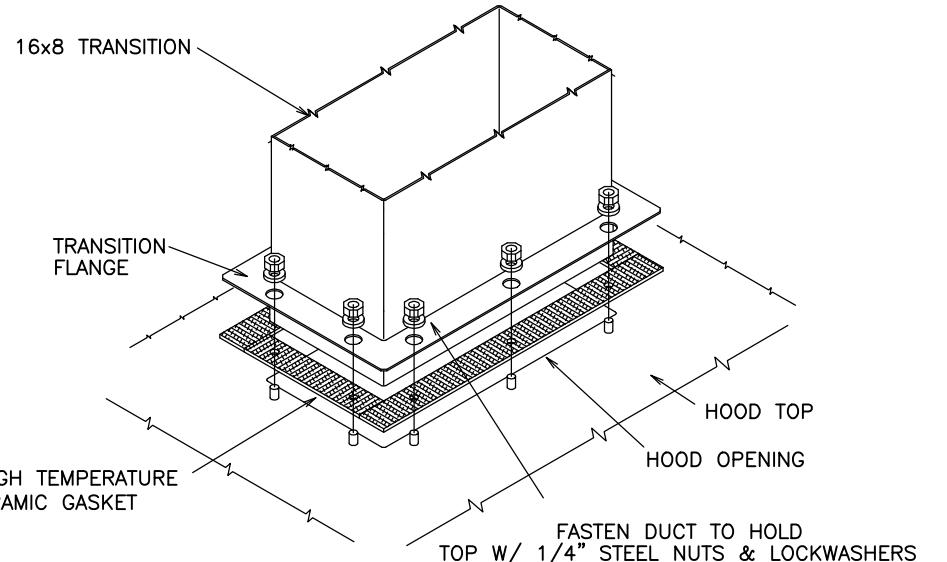
UL LABEL
SCALE: NONE

1 M2.0

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CONSENT OF PROJECT OWNER.

ROBERT D. ANDERSON
4499
Firm No. 5324
Signature
5/21/24



DETAIL

HOOD CONNECTION
SCALE: NONE

2 M2.0

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. 710
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.

DRAWN BY: MES STD ISSUE DATE: 2024 REVIEW BY: JAW DATE ISSUED: 05/28/2024
TITLE: 2024 STANDARD BUILDING - BB20
DESCRIPTION: 4584-WOOD/WOOD
WOOD BEARING WALLS W/4" BRICK VENEER
STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES
SITE ID: 042-3527
SEC. OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS
SHEET NO. M2.0
JAWA 24-0018
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>DETAIL 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 R/D=1.0 (MIN) 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>DETAIL CEILING AIR DEVICE - TYPICAL CEILING DIFFUSER/GRIFFE CONNECTION SCALE: NONE</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. REFRIGERANT LIQUID LINE 2. REFRIGERANT SUCTION LINE WITH 1" THICK EXTERNAL FOAM INSULATION (ARMAFLEX BY ARMACELL OR EQUAL) 3. STAINLESS STEEL CLAMP 4. APPLY WEATHERPROOFING OVER FOAM INSULATION (ALUMAGUARD BY POLYGUARD OR EQUAL) 5. WRAP FOAM INSULATION OVER PIPE PORTAL NIPPLE AND STAINLESS STEEL CLAMP 6. REPAIR FOAM INSULATION IMMEDIATELY AFTER PIPE PORTAL PENETRATION 7. INSULATE BOTTOM OF ROOF PORTAL CURB (MIN. R-19) 8. PIPE HANGER 9. LIGHT GAUGE GALVANIZED STEEL PROTECTIVE SHIELD <p>DETAIL REFRIGERANT PIPE INSTALLATION SCALE: NONE</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. GAS PIPING 2. SHUT-OFF VALVE 3. PRESSURE REGULATOR (PROPERLY SIZED FOR APPLICATION) 4. DIRT LEG 5. ROOFTOP UNIT ENTRY 6. UNION (TYP.) <p>DETAIL GAS PIPE INSTALLATION SCALE: NONE</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. PROVIDE BATT INSULATION FOR TEMPERATURE SENSORS INSTALLED IN HOLLOW CAVITY WALLS 2. 2x4 ELECTRICAL BOX 3. SENSOR (TEMPERATURE, HUMIDITY OR CO2) 4. MOUNT SENSOR(S) BETWEEN 4'-0" TO 4'-6" A.F.F. <p>DETAIL REMOTE SENSOR INSTALLATION SCALE: NONE</p>																				
<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. 180" Lx43" Wx14" H EQUIPMENT PLATFORM MANUFACTURED BY RPS OR EQUAL 2. 28" Lx24" Wx19 1/4" H CONDENSING UNIT (COOLER) 3. 43 1/2" Lx30" Wx29 1/2" H CONDENSING UNIT (FREEZER) 4. 29" Lx24 1/2" Wx34" H CONDENSING UNIT (MULTIPLEX) 5. FASTEN CONDENSING UNIT TO TOP OF PLATFORM AND SEAL FASTENER PENETRATIONS WITH UV RESISTANT SEALANT 6. OUTLINE OF SERVICE CLEARANCE EXTENDING 3'-0" FROM CONDENSING UNIT ON ALL SIDES 7. CONDENSER AIR INTAKE 8. CONDENSER FAN OUTLET ON TOP OF UNIT 9. CONDENSER FAN OUTLET ON SIDE OF UNIT 10. DISCONNECT SWITCH FURNISHED WITH UNIT 11. PROVIDE PIPE SUPPORT AS REQUIRED (TREATED LUMBER IS NOT ACCEPTABLE) 12. MULTIPLE PIPE PORTAL MANUFACTURED BY RPS OR EQUAL 13. CONDUIT SIZES: (PER CONDENSING UNIT) (1) 3/4" POWER (1) 3/4" CONTROL 14. REFRIGERANT PIPING SIZES: SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR RECOMMENDED REFRIGERANT PIPE SIZING <p>DETAIL 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"> 1. OUTLINE OF SERVICE CLEARANCE EXTENDING 3'-0" FROM CONDENSING UNIT ON ALL SIDES 2. CONDENSER AIR INTAKE 3. CONDENSER FAN OUTLET 4. DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR 5. PROVIDE PIPE SUPPORT AS NECESSARY (TREATED LUMBER IS NOT ACCEPTABLE) 6. MULTIPLE PIPE PORTAL MANUFACTURED BY RPS OR EQUAL 7. 29 1/2" x 28" x 38" H CONDENSING UNIT <p>DETAIL VIEW TOWARDS REAR OF KITCHEN AT DUCT DROPS SCALE: 1/2"-1'-0"</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. 141" Lx72" Wx14" H EQUIPMENT PLATFORM MANUFACTURED BY RPS OR EQUAL 2. 34" Lx24 1/2" Wx25 1/2" H CONDENSING UNIT 3. FASTEN CONDENSING UNIT TO TOP OF PLATFORM AND SEAL FASTENER PENETRATIONS WITH UV RESISTANT SEALANT 4. OUTLINE OF SERVICE CLEARANCE EXTENDING FROM CONDENSING UNIT ON ALL SIDES 5. CONDENSER AIR INTAKE 6. CONDENSER FAN OUTLET 7. DISCONNECT SWITCH PROVIDED BY ELECTRICAL CONTRACTOR 8. PROVIDE PIPE SUPPORT AS NECESSARY (TREATED LUMBER IS NOT ACCEPTABLE) 9. MULTIPLE PIPE PORTAL MANUFACTURED BY RPS OR EQUAL 10. 29 1/2" x 28" x 38" H CONDENSING UNIT <p>DETAIL REMOTE CONDENSER UNIT (CU-1, CU-2 & CU-3) SCALE: 1/2"-1'-0"</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. UPBLAST EXHAUST FAN (SEE EXHAUST FAN SCHEDULE) 2. HINGED CURB CAP FOR CLEANING ACCESS (FURNISHED WITH FAN) 3. GREASE TRAP (FURNISHED WITH FAN) 4. NEMA 3R DISCONNECT SWITCH (FURNISHED WITH FAN) 5. 12" HIGH CURB EXTENSION (FURNISHED WITH FAN) 6. 18" HIGH CURB (FURNISHED WITH FAN) 7. TWO (2) LAYERS OF 1/2" THICK DUCT WRAP TO MEET ASTM E2353 INSTALLED PER MANUFACTURER'S INSTRUCTIONS (SEE MECHANICAL NOTES FOR INSULATION SPECIFICATION) 8. 16 GAUGE BLACK IRON (CARBON STEEL) OR 18 GAUGE STAINLESS STEEL DUCTWORK WELDED LIQUID-TIGHT 9. 5-GORE BLACK IRON (CARBON STEEL) RADIUS ELBOW 10. 12"x6" ACCESS DOOR AT ALL CHANGES IN DIRECTION 11. STAINLESS STEEL FASCIA PANEL TO PROTECT DUCTWORK AND INSULATION 12. BACKSHELF TYPE EXHAUST HOOD (SEE KITCHEN EXHAUST HOOD SCHEDULE) 13. COOKING APPLIANCE (SEE KITCHEN DRAWINGS) 14. REAR WALL CONSTRUCTION SHALL CONSIST OF CERAMIC TILE OR MIN. 22 GAUGE STAINLESS STEEL OVER 3/8" 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). 15. 2x10 LIGHT GAUGE STEEL FOR SUPPORT BLOCKING FOR HOOD AND RACEWAY (COORDINATE INSTALLATION WITH HOOD INSTALLER) 16. STRUCTURAL FRAMING FOR ROOF OPENING (SEE STRUCTURAL DRAWINGS) 17. TRANSITION TO FLEXIBLE CONDUIT UNDER ROOF PENETRATION WHERE ALLOWED BY CODE. 18. ROOF PIPE PORTAL, RPS-N18(1) RC-2A 12x12x11H. 19. 1/2" PER FOOT SLOPE PITCHED BACK TOWARDS THE HOOD. <p>SECTION KITCHEN EXHAUST HOOD INSTALLATION SCALE: 1/2"-1'-0"</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. OUTLINE OF ROOFTOP UNIT 2. ROOF CURB 3. SUPPLY AND RETURN AIR DUCT DROPS 4. ROOF OPENING <p>RTU-2 (6-TONS)</p>																				
<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. 22"x46"x27" H PLUNGE BOX 2. 24"x48" PERFORATED DIFFUSER 3. 2" THICK EXT. INSULATION 4. 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>SECTION SUPPLY (S-1) PLUNGE INSTALLATION SCALE: 1/2"-1'-0"</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. 24"x48" PLUNGE BOX 2. 24"x48" PERFORATED DIFFUSER 3. 2" THICK EXT. INSULATION 4. 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>SECTION SUPPLY (S-1) PLUNGE INSTALLATION SCALE: 1/2"-1'-0"</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. 24"x48" PLUNGE BOX 2. 24"x48" PERFORATED DIFFUSER 3. 2" THICK EXT. INSULATION 4. 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>SECTION SUPPLY (S-1) PLUNGE INSTALLATION SCALE: 1/2"-1'-0"</p>	<p>KEYED NOTES:</p> <ol style="list-style-type: none"> 1. 24"x48" PLUNGE BOX 2. 24"x48" PERFORATED DIFFUSER 3. 2" THICK EXT. INSULATION 4. 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>SECTION SUPPLY (S-1) PLUNGE INSTALLATION SCALE: 1/2"-1'-0"</p>	<p>McDonald's USA, LLC</p> <p>PREPARED FOR: McDonald's USA, LLC</p> <p>These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without the express written permission of McDonald's USA, LLC. These drawings and specifications are intended for use on the project for which they were prepared and shall not be copied or reproduced for use on other projects or for any other purpose. Use of these drawings and specifications on other projects or for any other purpose is unauthorized.</p> <table border="1"> <thead> <tr> <th>ITEM</th> <th>DESCRIPTION</th> <th>DRAWN BY</th> <th>REVISED BY</th> <th>DATE ISSUED</th> </tr> </thead> <tbody> <tr> <td>2024 STANDARD BUILDING - BB20</td> <td>WOOD BEARING WALLS W/4" BRICK VENEER</td> <td>MES</td> <td>JAW</td> <td>2024</td> </tr> <tr> <td>4584-WOOD/WOOD</td> <td>STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES</td> <td></td> <td></td> <td>05/28/2024</td> </tr> <tr> <td>SITE ADDRESS</td> <td>402-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	ITEM	DESCRIPTION	DRAWN BY	REVISED BY	DATE ISSUED	2024 STANDARD BUILDING - BB20	WOOD BEARING WALLS W/4" BRICK VENEER	MES	JAW	2024	4584-WOOD/WOOD	STUCCO/BATEN/METAL/BRICK VENEER EXTERIOR FINISHES			05/28/2024	SITE ADDRESS	402-3527 NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS			
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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.AABCQ.COM/DIRECTORY](http://WWW.AABCQ.COM/DIRECTORY)
[HTTP://WWW.NEBC.ORG/DIRECTORY.HTM](http://WWW.NEBC.ORG/DIRECTORY.HTM)
[HTTP://WWW.TABBCERTIFIED.ORG/SITE/CONTENT/CONTRACTORS/SEARCH](http://WWW.TABBCERTIFIED.ORG/SITE/CONTENT/CONTRACTORS/SEARCH)
 - UPON COMPLETION OF THE PUNCHLIST, THE MECHANICAL CONTRACTOR AND TEST AND BALANCE CONTRACTOR SHALL SUBMIT REDLINE 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 CLEAN 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 HANDED VIA REMOTE DAMPER INSTALLED NEAR THE DIFFUSER. REFER TO MT.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 INTERNALLY 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 SPIRAACOUSTIC 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:
 A. 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
SUPPLY	2.00" W.C.	A	TYPE A (R-8)
RETURN	-2.00" W.C.	A	TYPE A (R-8)
EXHAUST	-2.00" W.C.	A	(*)TYPE A (R-8)
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/OR
 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.

- 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.
- 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.
- ALL SUPPLY AIR DIFFUSERS SHALL BE INSULATED TO PREVENT CONDENSATION.
- ALL AIR DEVICES LOCATED IN DRYWALL CEILINGS SHALL BE SUPPLIED WITH AN INTEGRAL VOLUME DAMPER ACCESSIBLE FROM THE AIR DEVICE FACE TO FACILITATE BALANCING.
- 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.
- 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:

 - 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).
 - ALL GREASE EXHAUST DUCTWORK JOINTS SHALL BE EITHER TELESCOPING OR BELL TYPE. BUTT-WELDED JOINTS ARE PROHIBITED.
 - 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.
 - 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.
 - 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".
 - 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.
 - 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:

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

MATERIAL	MAX. HORIZ. SPACING	MAX. VERT. SPACING
COPPER TUBING $\leq \frac{1}{4}$ "	6 FT.	10 FT.
COPPER TUBING $\geq \frac{1}{2}$ "	10 FT.	10 FT.
 - ALL REFRIGERANT PIPING SHALL BE SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
 - 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.
 - ALL PIPE INSULATION SHALL BE PROTECTED FROM DAMAGE FROM PIPE HANGERS. PROTECTION SHALL BE LIGHT GAUGE GALVANIZED STEEL OR EQUAL.
 - ALL REFRIGERANT PIPING SYSTEMS SHALL BE PRESSURE TESTED FOR LEAKS PRIOR TO START-UP. ALL LEAKS SHALL BE REMEDIED PRIOR TO BUILDING TURNOVER.
 - 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:

 - 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.
 - 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.
 - 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.
 - THE CO2 EXTERIOR STROBE SHALL BE INSTALLED AS SHOWN ON SHEET A.2, (DETAIL 2) AND ON SHEET E.1.1. 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 E.1.1 AND E.3.0.

NATURAL GAS SYSTEMS:

 - ALL GAS PIPING, WATER HEATER VENTS, INTAKES AND FLUES SHALL CONFORM TO THE CURRENT VERSION OF NFPA 54, NATIONAL FUEL GAS CODE, AND ANY LOCAL CODE REQUIREMENTS.
 - THE NATURAL GAS MAIN PIPE SIZING IS BASED ON THE FOLLOWING:
 A. MINIMUM SUPPLY PRESSURE AT THE METER OF 2 PSIG
 B. 1 PSIG PRESSURE DROP FROM REGULATOR TO FARTHEST APPLIANCE
 C. 1,000 BTU PER CU. FT. OF NATURAL GAS
 - GAS PIPING RUN-OUTS TO EQUIPMENT ARE SIZED BASED ON THE FOLLOWING:
 A. SUPPLY PRESSURE AT THE REGULATOR OF 10" W.C. (2 PSIG)
 B. 0.5" W.C. PRESSURE DROP FROM REGULATOR TO FARTHEST APPLIANCE
 C. 1,000 BTU PER CU. FT. OF NATURAL GAS
 - ALL NATURAL GAS PIPE SHALL BE SCHEDULE 40 CARBON STEEL PIPE WITH MALLEABLE IRON FITTINGS AND SHALL BE COMPLY TO ONE OF THE FOLLOWING STANDARDS: ASME B36.10, 10M; ASTM A 53; OR ASTM A 106.
 - NATURAL GAS PRESSURE REGULATORS SHALL BE MAXITROL 325 SERIES OR EQUAL.

6. ALL SUSPENDED STEEL PIPING SHALL BE SUPPORTED AS FOLLOWS:		
SIZE	MAX. HORIZ. SPACING	MAX. VERT. SPACING
$\frac{1}{2}$ "	6 FT.	6 FT.
$\frac{3}{4}$ " TO 1"	8 FT.	8 FT.
$\geq \frac{1}{2}$ "	10 FT.	10 FT.

- GAS PIPING SHALL NOT PENETRATE ANY FIRE-RATED CHASE OR SHAFT, DUCTWORK OR PLENUM.
- ALL NATURAL GAS PIPING INSTALLED OUTDOORS SHALL BE COATED WITH A CORROSION RESISTANT PAINT. PAINT COLOR SHALL BE ORANGE OR YELLOW.
- ALL INTAKE AND VENT PIPING FOR SEALED-COMBUSTION WATER HEATERS SHALL BE PVC OR ABS. SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR.
- ALL WATER HEATER VENTS SHALL BE LOCATED A MINIMUM OF 10 FT. HORIZONTALLY FROM ANY OUTDOOR AIR INTAKE, WHERE A WATER HEATER VENT IS LOCATED WITHIN 10 FT. OF AN INTAKE, THE FLUE OR VENT SHALL TERMINATE A MINIMUM OF 2 FT. ABOVE THE INTAKE.
- UPON COMPLETION OF INSTALLATION, THE GAS PIPING SYSTEM SHALL BE PURGED OF DELETERIOUS MATERIAL AND SHALL BE PRESSURE TESTED. PRESSURE TESTING SHALL BE PERFORMED WITH THE EQUIPMENT SHUT-OFF VALVES IN THE CLOSED POSITION TO PROTECT EQUIPMENT FROM DAMAGE DUE TO EXCESSIVE PRESSURE.

- AFTER THE PRESSURE TEST HAS BEEN COMPLETED AND ANY LEAKS REMEDIED, THE INSTALLING CONTRACTOR SHALL MEASURE AND VERIFY THE FOLLOWING GAS PRESSURES WHILE EQUIPMENT IS IN OPERATION:
 A. GRILL - 6" W.C. NATURAL, 14" W.C. L.P.
 B. FRYER - 6" W.C. NATURAL, 14" W.C. L.P.
 C. WATER HEATER - 6" W.C. NATURAL, 14" W.C. L.P.
 D. HVAC UNIT - 7" W.C. NATURAL, 14" W.C. L.P.

- IF THE MINIMUM PRESSURES ARE NOT MET, THIS SHALL BE IMMEDIATELY REPORTED TO THE McDONALD'S AREA CONSTRUCTION MANAGER.

CONDENSATE PIPING:

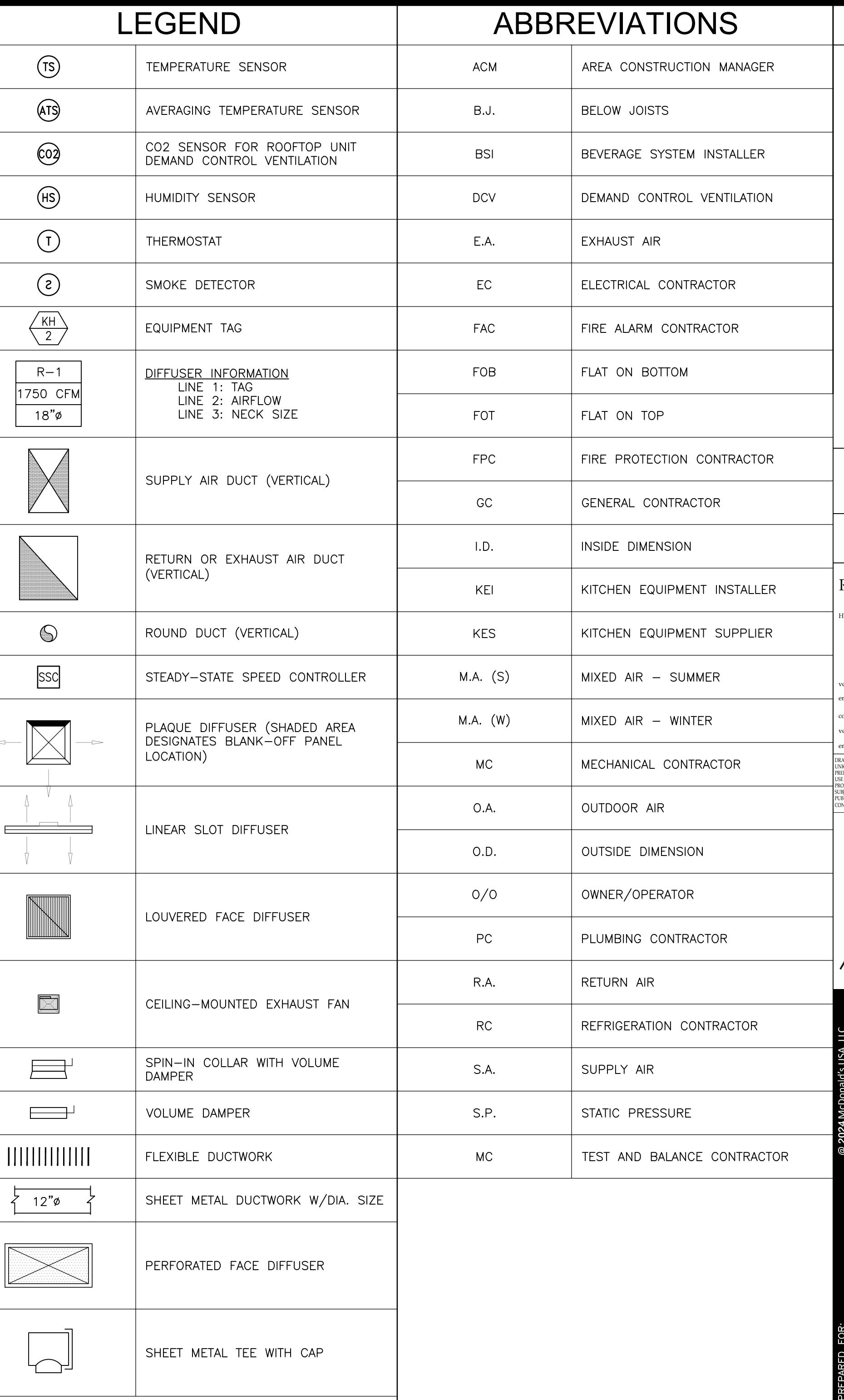
- CONDENSATE PIPING SHALL BE GALVANIZED STEEL, COPPER OR PVC.
- PVC PIPE SHALL BE PAINTED WITH WATER BASED LATEX PAINTING TO RESIST DEGRADATION FROM ULTRAVIOLET EXPOSURE.
- PIPE SUPPORTS SHALL BE RPS MODEL PMP-2 OR EQUAL. QUANTITY AS REQUIRED DEPENDANT UPON PIPING MATERIAL.
- PIPING SHALL BE SUPPORTED AS FOLLOWS:

MATERIAL	MAX. HORIZ. SPACING	MAX. VERT. SPACING
COPPER PIPE	12 FT.	10 FT.
GALVANIZED STEEL	12 FT.	15 FT.
PVC	4 FT.	15 FT.

- CONDENSATE PIPING SHALL SLOPE A MINIMUM OF $\frac{1}{8}$ " PER FOOT.

- CONDENSATE PIPING SHALL BE SIZED BASED ON THE FOLLOWING:

TOTAL TONS SERVED BY PIPE	MINIMUM PIPE SIZE
<20 TONS	$\frac{3}{4}$ "
>20 TONS, <40 TONS	1"
>40 TONS, <125 TONS	$\frac{1}{2}$ "



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DRAWN BY: MES
STD ISSUE DATE: 2024
REVIEWED BY: JAW
DATE ISSUED: 05/28/2024
TITLE: 2024 STANDARD BUILDING - BB20
DESCRIPTION: 4584 - WOOD/WOOD
SITE ID: 042-3527
SEC. ID: NEAR SEC. OF EAST BROAD STREET & US HWY 287, MANSFIELD, TEXAS
SHEET NO.: 042-3527
DRAWN BY: Robert D. Anderson, Inc.
MEP Engineering/Planning/Power Distributor/Control
HVAC/Illumination/Plumbing
4403 Zinn Rd., Garland, TX 75043
REV: 5/21/24
Firm No.: 5324
Robert D. Anderson, Inc.
MEP Engineering/Planning/Power Distributor/Control
HVAC/Illumination/Plumbing
4403 Zinn Rd., Garland, TX 75043
REV: 5/21/24
Drawing B diagrammatic, and as such, it is the responsibility of the user to verify that all information contained therein is accurate and complete. The user agrees to hold the owner, designer, and contractor harmless from any claims or damages resulting from the use of this drawing. The user also agrees to indemnify the owner, designer, and contractor from any claims or damages resulting from the use of this drawing.

JAWA 24-0018
M 4.0
GENERAL NOTES

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 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)	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				
KITCHEN EQUIPMENT	KES	KES	KES	1-3, 16, 22, 27
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, 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	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	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

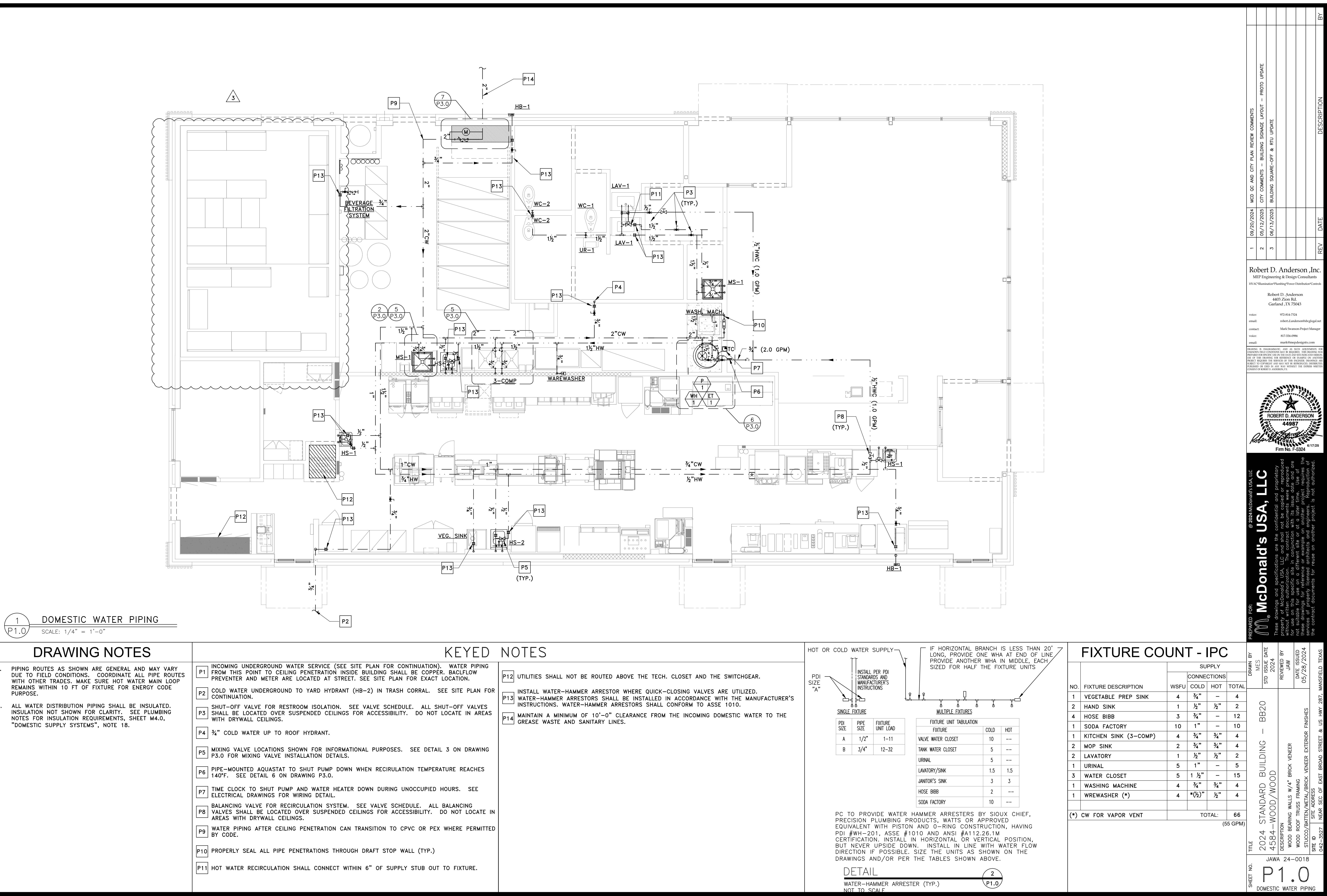
COORDINATION SCHEDULE

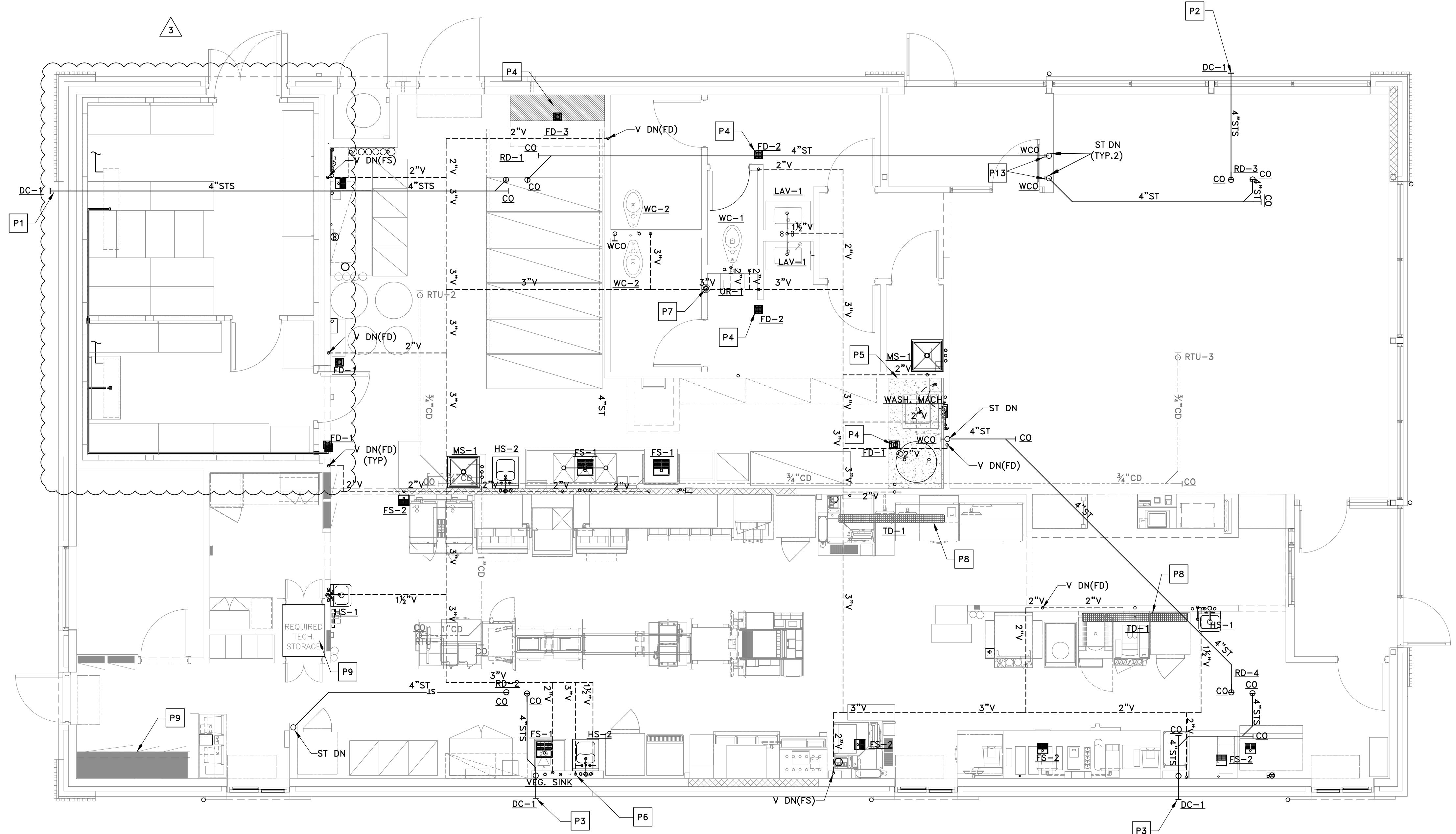
NOTES:

1. THIS SCHEDULE IS INTENDED AS A GUIDE FOR THE WORK TO BE PERFORMED. ALL WORK SHALL BE COORDINATED BETWEEN THE McDONALD'S AREA CONSTRUCTION MANAGER AND ALL GC AND O/O SUBCONTRACTORS.
2. ONE (1) COPY OF THE DECOR PACKAGE DRAWINGS SHALL BE SUPPLIED TO THE GENERAL CONTRACTOR AND EACH OF THE SUBCONTRACTORS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS TO INSURE THAT THEY HAVE RECEIVED THE DECOR PACKAGE DRAWINGS.
3. FOR ANY WORK NOT CLARIFIED IN THIS SCHEDULE OR IN THE NOTES AND SPECIFICATIONS, PLEASE CONSULT THE McDONALD'S CONSTRUCTION MANAGER FOR SCOPE OF WORK.
4. ALL ROOFTOP UNIT EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR AND THE KITCHEN EQUIPMENT SUPPLIER SHALL BE ON SITE AT THE SAME TIME FOR A SINGLE CRANE LIFT. EQUIPMENT SITE ARRIVAL DATE SHALL BE COORDINATED BETWEEN THE CONSTRUCTION MANAGER, MECHANICAL CONTRACTOR AND KITCHEN EQUIPMENT SUPPLIER.
5. ALL ROOFTOP UNITS INSTALLED IN McDONALD'S RESTAURANTS SHALL BE HIGH EFFICIENCY EQUIPMENT. THE INSTALLATION OF STANDARD EFFICIENCY ROOFTOP UNITS IS PROHIBITED. PLEASE REFER TO THE LATEST EDITION OF IECC FOR HVAC EQUIPMENT PERFORMANCE REQUIREMENTS.
6. ALL KITCHEN EQUIPMENT REQUIRING EXHAUST SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS. ANY VARIATION FROM THESE PLANS SHALL BE REPORTED TO THE CONSTRUCTION MANAGER AND THE ENGINEER-OF-RECORD.
7. WHERE GYPSUM BOARD CEILINGS ARE INSTALLED, THE MECHANICAL CONTRACTOR SHALL SUPPLY DRYWALL MOUNTING FRAMES FOR LAY-IN TYPE DIFFUSERS.
8. ALL WORK SHOWN ON P1.6 DRAWING(S) SHALL BE COMPLETED BY THE BEVERAGE SYSTEM INSTALLER (OR K.E.S.) UNLESS OTHERWISE NOTED IN THE PLUMBING DRAWINGS.
9. ALL WORK ON P1.0 & P1.2 DRAWING(S) SHALL BE BY THE PLUMBING CONTRACTOR.
10. THE BEVERAGE SYSTEM INSTALLER FURNISHES, RUNS AND CONNECTS ALL FLEXIBLE WATER AND SYRUP LINES FOR ALL Affected EQUIPMENT INCLUDING THE FOLLOWING:
 - A. HOT CHOCOLATE
 - B. COFFEE BREWER
 - C. ICE MACHINE
 - D. O.J.
 - E. SODA TOWERS
11. ALL WATER HEATERS INSTALLED IN McDONALD'S RESTAURANTS SHALL BE HIGH EFFICIENCY SEALED-COMBUSTION WATER HEATERS. THE INSTALLATION OF STANDARD EFFICIENCY GRAVITY-VENTED WATER HEATERS IS PROHIBITED. PLEASE REFER TO THE LATEST EDITION OF IECC FOR SERVICE WATER-HEATING EQUIPMENT PERFORMANCE REQUIREMENTS.
12. THE CONSTRUCTION MANAGER, PLUMBING CONTRACTOR AND KITCHEN EQUIPMENT SUPPLIER SHALL COORDINATE WHICH SOILED DISHWASHER (3-COMPARTMENT SINK) IS BEING INSTALLED IN THE RESTAURANT.
13. ALL GAS PIPING FOR COOKING EQUIPMENT SHALL TERMINATE IN THE CEILING PRIOR TO THE INSTALLATION OF THE PIPING CHASE. UPON INSTALLATION OF THE CHASE, THE GAS PIPING SHALL THEN BE CONTINUED IN THE CHASE FOR FINAL CONNECTION TO THE APPLIANCE.
14. ALL GAS PIPING FOR ROOFTOP EQUIPMENT SHALL BE BROUGHT UP THROUGH THE BASE OF THE UNIT TO MINIMIZE ROOF PENETRATIONS. WHERE THIS IS NOT POSSIBLE, THE PLUMBING CONTRACTOR SHALL PROVIDE THE NECESSARY PIPE PORTALS ON ROOF.
15. ALL FIRE PROTECTION DRAWINGS CONTAINED WITHIN THIS SET ARE STRICTLY FOR REFERENCE ONLY. FIRE SPRINKLER DRAWINGS SHALL BE DESIGNED AND PERMITTED BY A FIRE PROTECTION CONTRACTOR.
16. ALL R-102 WET CHEMICAL FIRE SUPPRESSION SYSTEMS FOR TYPE I HOODS SHALL BE DESIGNED AND INSTALLED BY A LOCAL ANSUL AGENT. THE USE OF DRY CHEMICAL SYSTEMS IS PROHIBITED. THE LOCAL ANSUL AGENT CONTRACT IS HANDLED THROUGH THE KITCHEN EQUIPMENT SUPPLIER.
17. ALL ROOFTOP UNITS AND EXHAUST FANS ARE SUPPLIED WITH A FACTORY-INSTALLED DISCONNECT SWITCH.
18. ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES FOR REMOTE CONDENSING UNITS.
19. ALL ELECTRICAL CONDUITS FOR ROOFTOP EQUIPMENT SHALL BE BROUGHT UP THROUGH THE BASE OF THE UNIT TO MINIMIZE ROOF PENETRATIONS. WHERE THIS IS NOT POSSIBLE, THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE NECESSARY PIPE PORTALS ON ROOF.
20. WALK-IN COOLER AND WALK-IN FREEZER REFRIGERATION SYSTEMS SHALL MEET THE PERFORMANCE REQUIREMENTS OUTLINED IN THE LATEST EDITION OF IECC. MINIMUM ANNUAL WALK-IN ENERGY FACTOR (AWEF) PROVIDED BY EQUIPMENT MANUFACTURER IS DETERMINED IN ACCORDANCE WITH AHRI 1250.
21. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
22. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
23. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
24. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
25. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
26. SEE FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
27. SEE FIRE ALARM DRAWINGS FOR ADDITIONAL INFORMATION.
28. SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION.
29. SEE DECOR DRAWINGS FOR ADDITIONAL INFORMATION.

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 1/4" 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</td





VENT & STORM PIPING PLAN
P1.2

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

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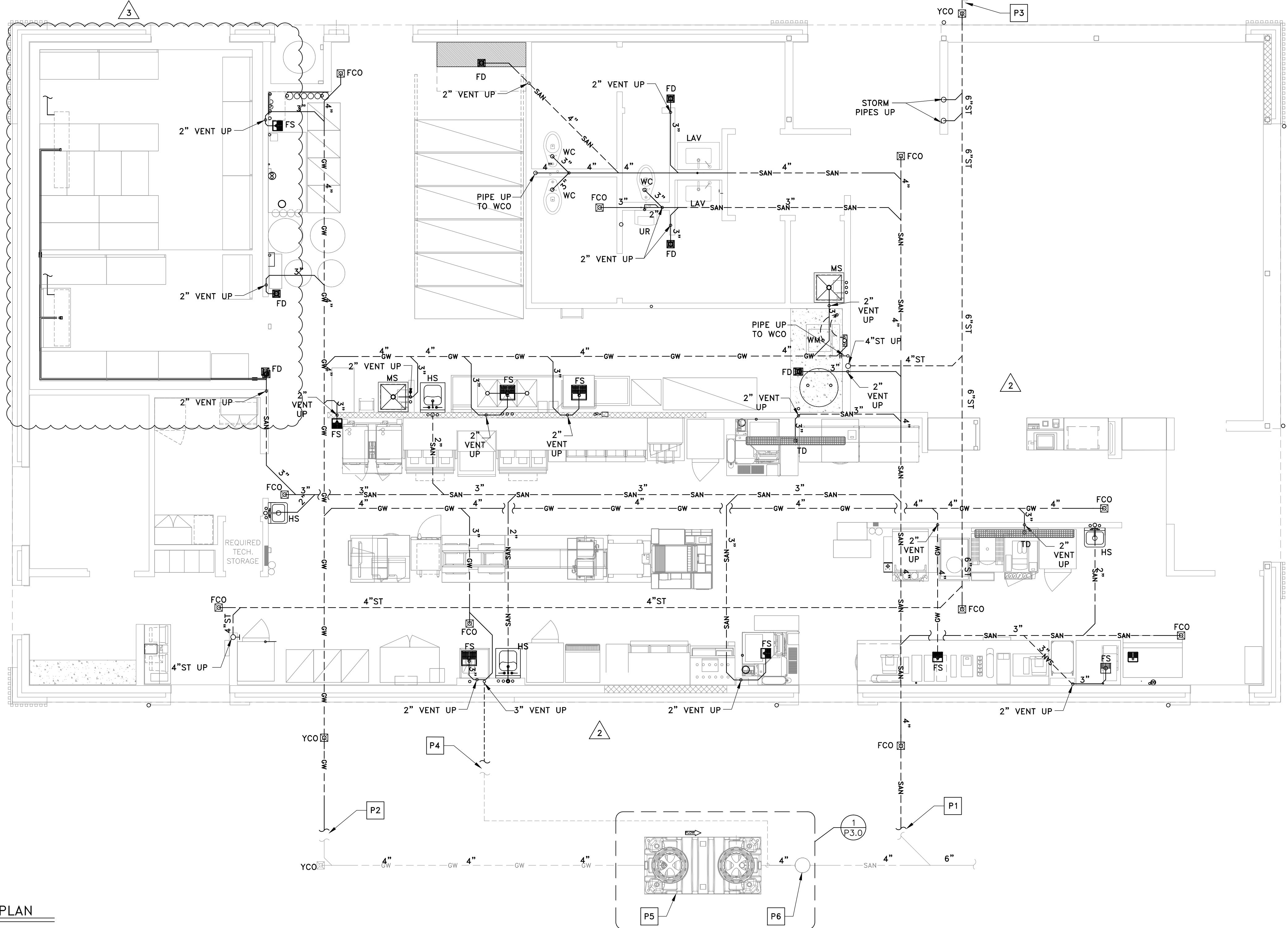
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1 UNDERFLOOR PLUMBING PLAN
P1.3
SCALE: 1/4" = 1'-0"

DRAWING NOTES

1. PIPING ROUTES ARE GENERAL AND MAY VARY DUE TO FIELD CONDITIONS. COORDINATE ALL PIPE ROUTES WITH OTHER TRADES.
 2. WALL CLEAN-OUTS FOR WASTE PIPING NOT SHOWN FOR CLARITY. SEE GENERAL NOTES FOR REQUIREMENTS.
 3. ONLY MAIN FLOOR CLEAN-OUTS ARE SHOWN FOR CLARITY. SEE GENERAL NOTES FOR REQUIREMENTS.
- KEYED NOTES**
- P1 SANITARY LINE TO SANITARY SEWER. SEE SITE PLAN FOR CONTINUATION.
 - P2 GREASE LINE TO EXTERIOR GREASE INTERCEPTOR. SEE SITE PLAN FOR CONTINUATION.
 - P3 STORM LINE TO STORM SYSTEM. SEE SITE PLAN FOR CONTINUATION.
 - P4 VENT FROM GREASE INTERCEPTOR. SEE SITE PLAN FOR CONTINUATION. COORDINATE PIPE ROUTING WITH LOCATION OF GREASE INTERCEPTOR.
 - P5 GREASE INTERCEPTOR LOCATION SHOWN FOR REFERENCE ONLY. COORDINATE GREASE INTERCEPTOR LOCATION WITH CIVIL ENGINEER AND SITE CONTRACTOR.
 - P6 INSTALL SAMPLING PORT SCHIER, MODEL SV10 FOR SCHIER HYDROMECHANICAL GREASE INTERCEPTOR.

WASTE PIPE SIZING - IPC

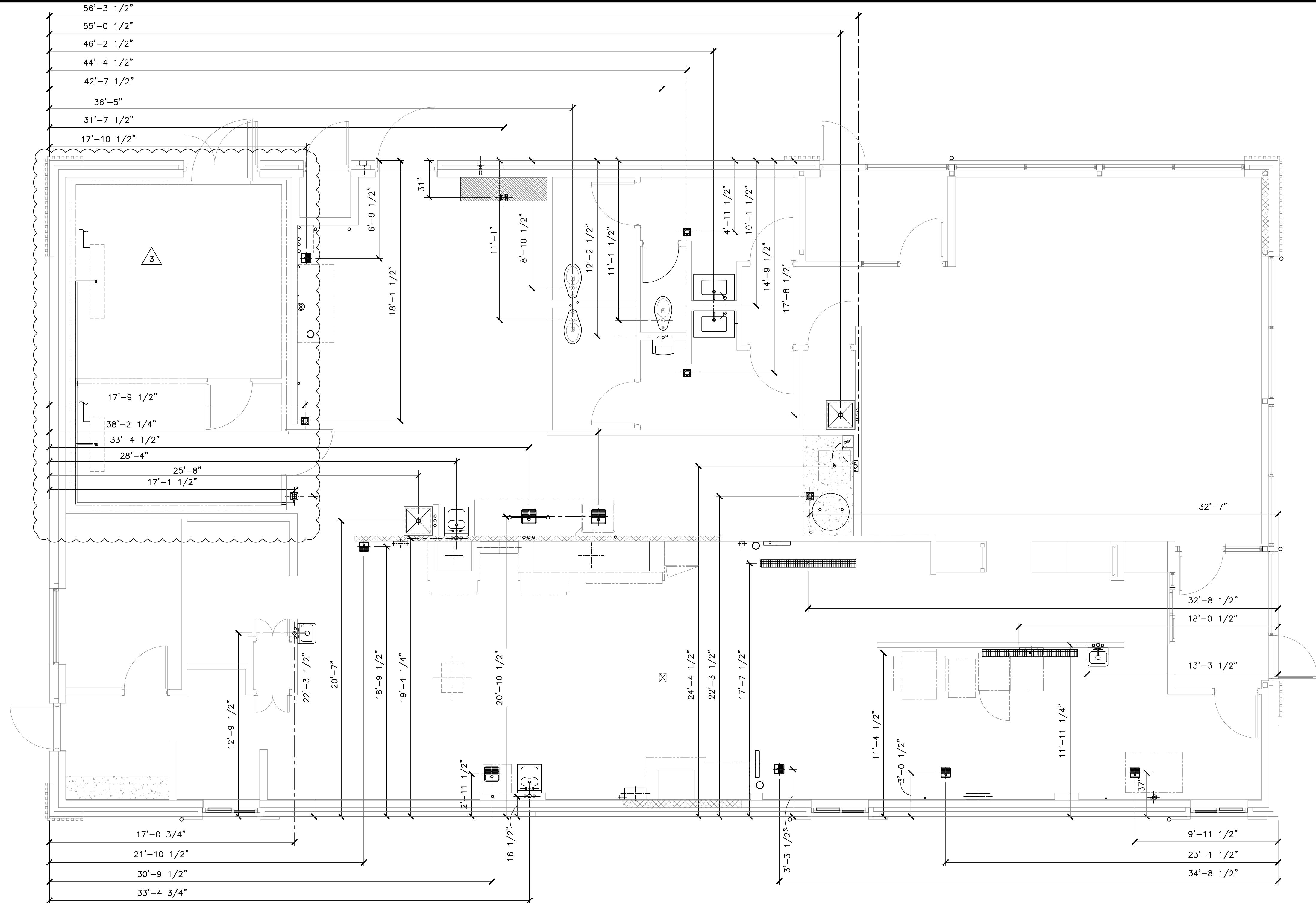
Fixture Type	Trap Size	DFU	Quantity	Total	Rainfall =	4 IN./HR
URINAL	2 IN.	4	1	4		
WATER CLOSET	3 IN.	4	3	12		
LAVATORY	1½ IN.	1	2	2	VERTICAL LEADERS	
WASH SINK (HAND SINK)	1½ IN.	2	4	8	RD-1	
FLOOR DRAIN OR SINK	3 IN.	5	5	25	RD-2	
FLOOR DRAIN OR SINK	4 IN.	6	1	6	RD-3	
EMERGENCY FLOOR DRAIN (BATHROOMS)	3 IN.	0	2	0	RD-4	
				TOTAL	57	
					TOTAL	3,733
						HORIZONTAL PIPING (SLOPE 1/8 PER FOOT)

GREASE PIPE SIZING - IPC

Service Sink (Mop Sink)	3 in.	3	2	6	Roof Area	Size
Floor drain or sink	3 in.	5	7	35	Roof drain	SQ. FT. IN.
Floor drain or sink	4 in.	6	1	6	RD-2 & RD-4	1,907 6
Washing machine	2 in.	3	1	3	RD-1, RD-2, RD-3 & RD-4	3,733 6
				TOTAL	50	

STORM PIPE SIZING

Sheet No.	Title	Drawn by	Reviewed by	Date Issued	Description	Site ID	Site Address
1	2024 STANDARD BUILDING - BB20	MES	JAW	2024	Vertical Leaders		
2	4584-WOOD/WOOD				Roof Drain	SQ. FT. IN.	
3					Horizontal Piping (slope 1/8 per foot)		

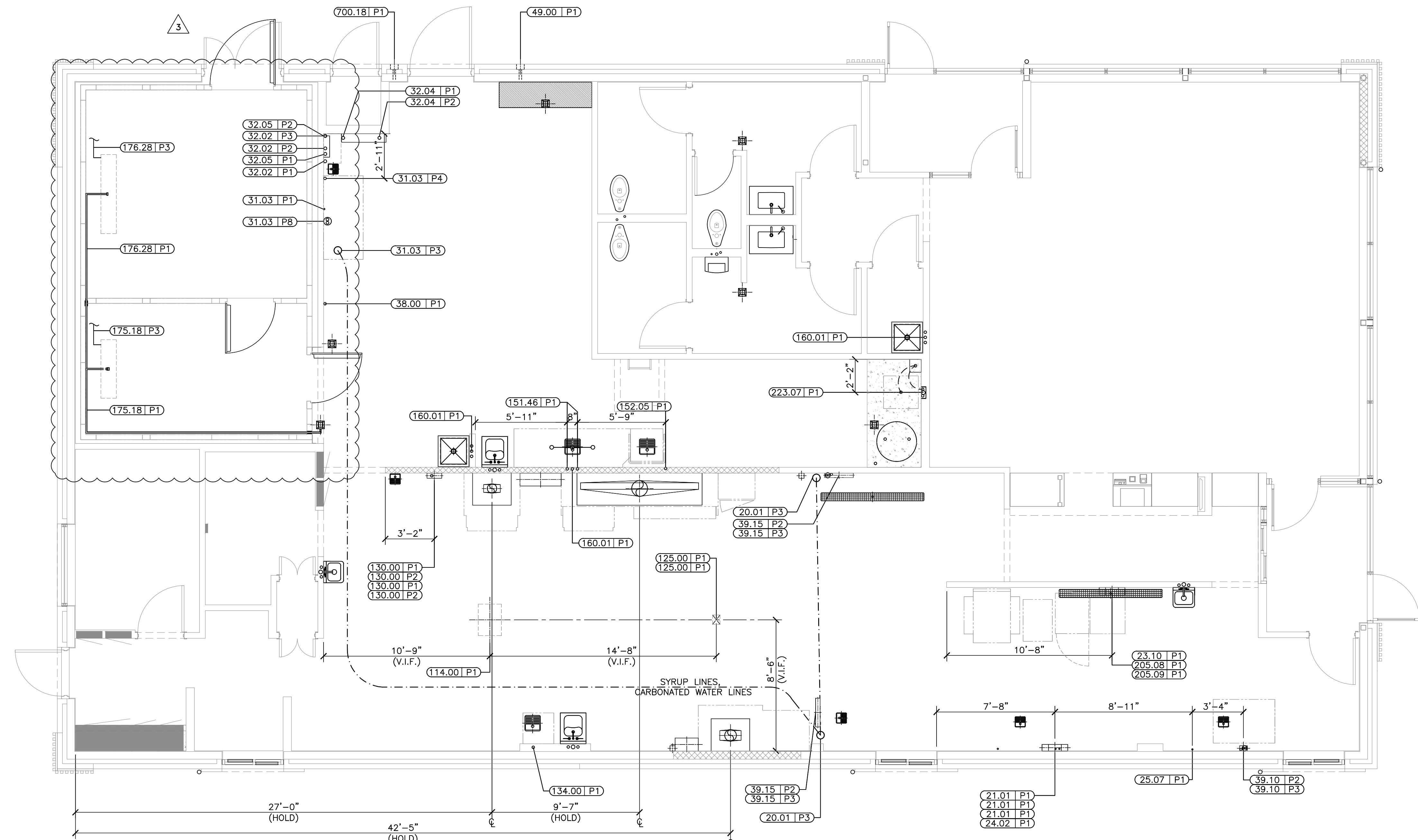


1 UNDERGROUND ROUGH-IN
P1.4 SCALE: 1/4" = 1'-0"

DRAWING NOTES

1. THIS PLAN IS PROVIDED AS A GUIDE FOR THE PLUMBING CONTRACTOR. ALL DIMENSIONS ARE ROUNDED TO THE NEAREST $\frac{1}{4}$ " AND ARE TAKEN FROM THE OUTSIDE EDGE OF THE FOUNDATION WALL TO CENTERLINE OF SLAB PENETRATION.

McDonald's USA, LLC		
2024 STANDARD BUILDING - BB20		
4584-WOOD/WOOD		
MES	STD ISSUE DATE	2024
DESCRIPTION	REVIEWED BY	JAW
WOOD BEARING WALLS W/4" BRICK VENEER	DATE ISSUED	05/28/2024
WOOD ROOF TRUSS FRAMING		
STUCCO/BATTEN/METAL/BRICK VENEER EXTERIOR FINISHES	SITE ID	SITE ADDRESS
042-3527	NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS	
JAWA 24-0018		
P1.4		
UNDERGROUND ROUGH-IN		



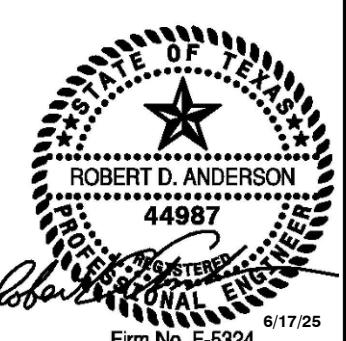
1
P1.6 OVERHEAD ROUGH-IN

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

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 PE 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 CONNECTIONS PER 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 PE 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.) - BSI TO 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, AND 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 PE 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

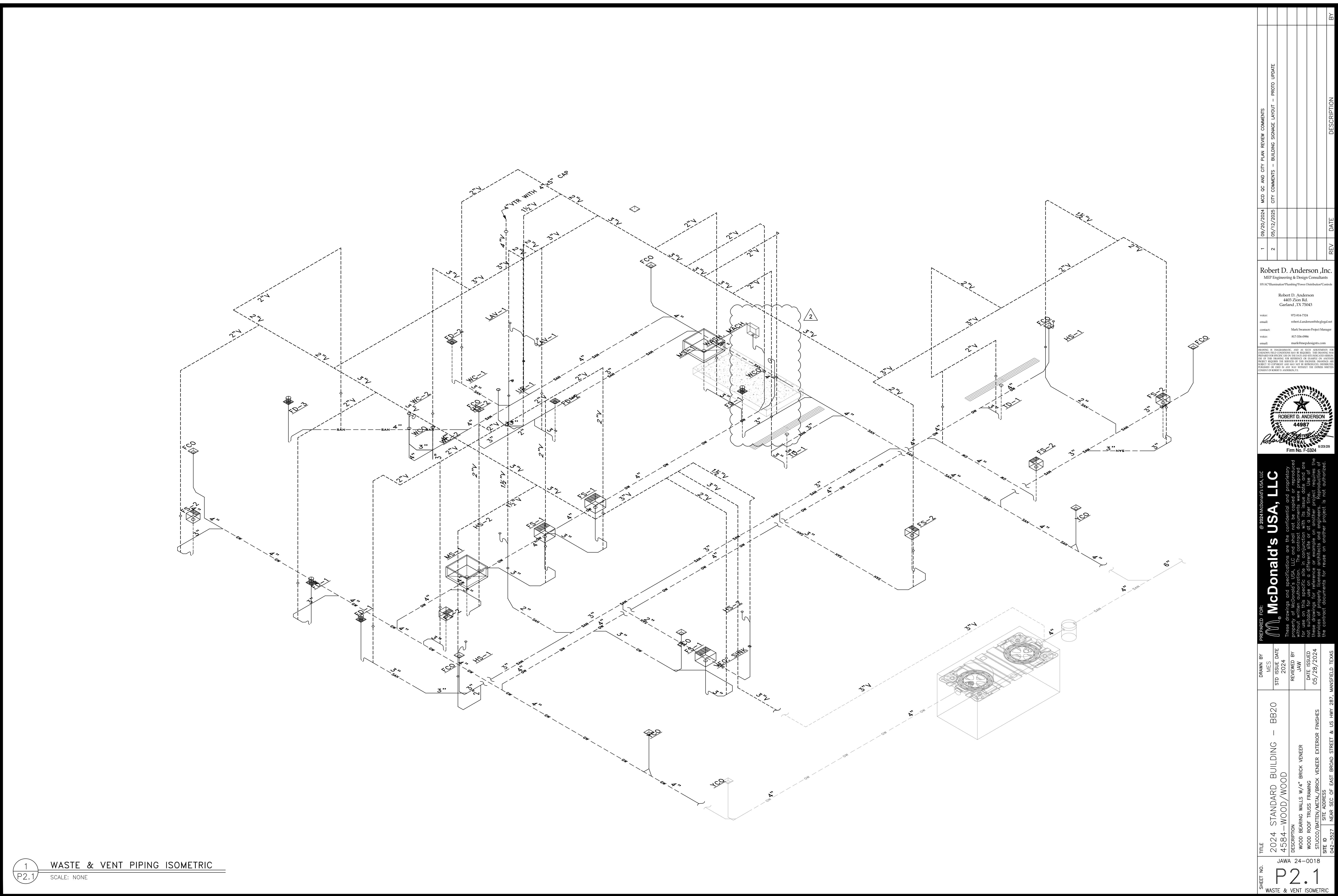
PLUMBING SCHEDULE

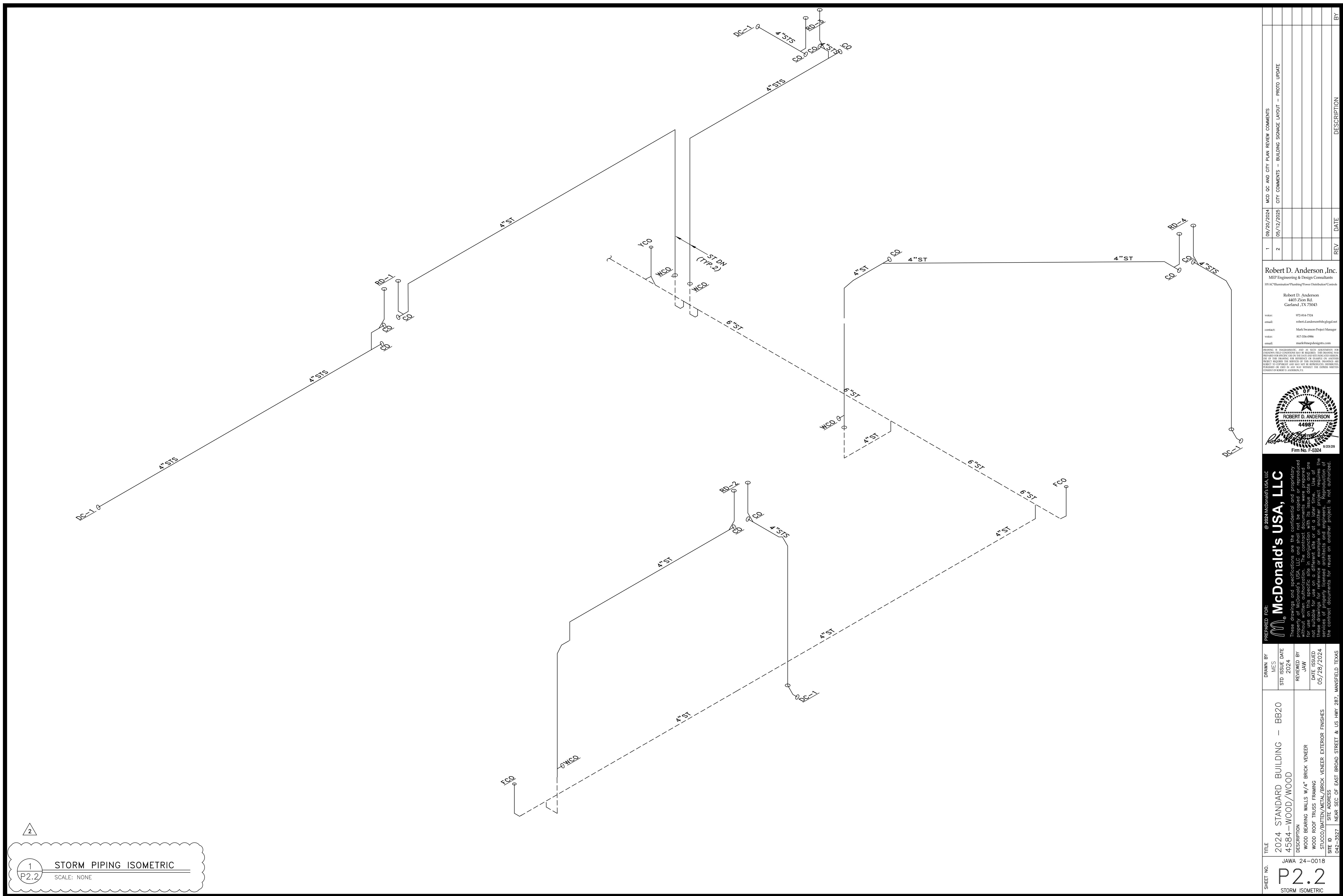


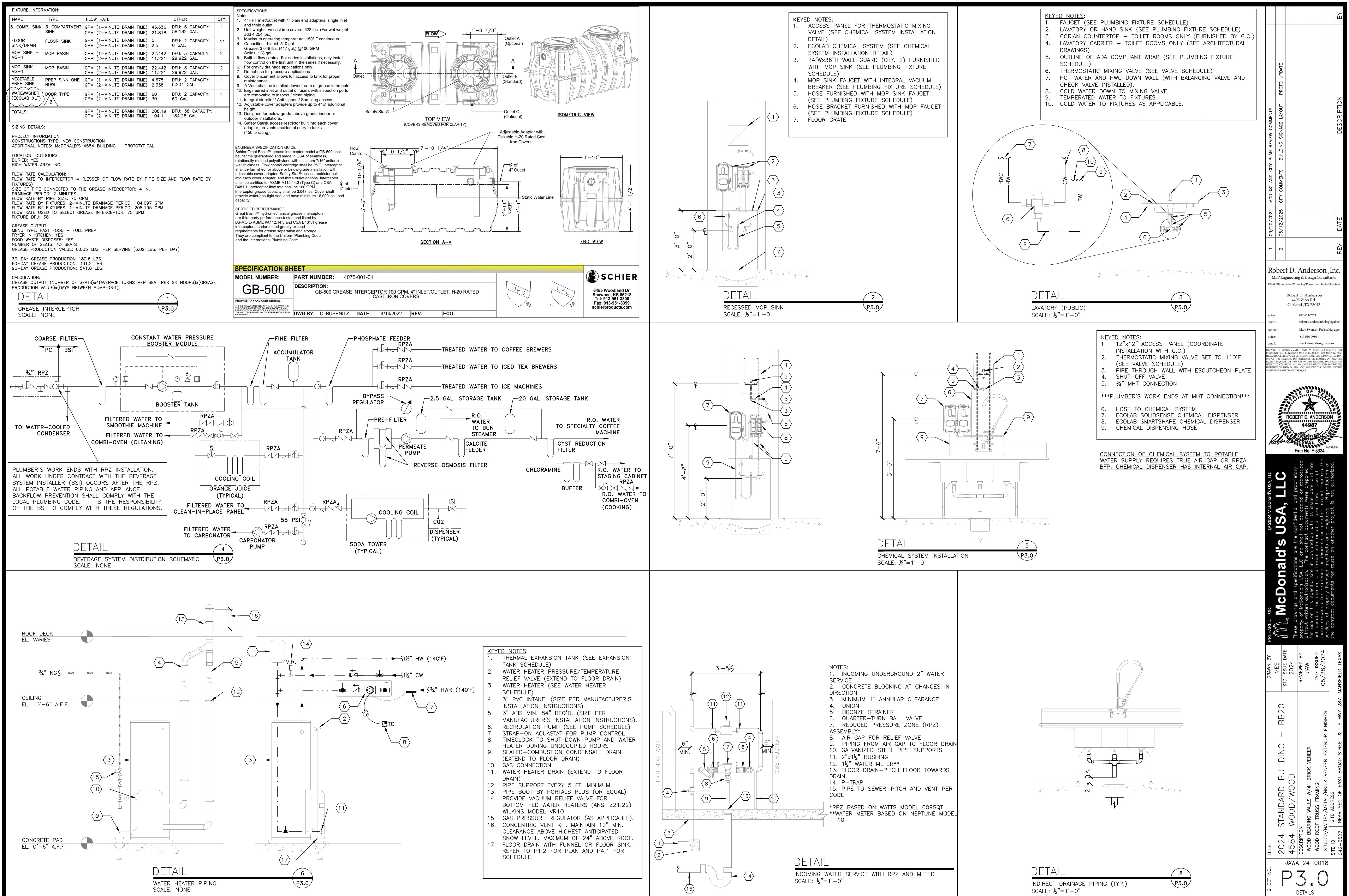
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2024 STANDARD BUILDING – BB20		MES	STD ISSUE DATE
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042-3527	NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS		
JAWA 24-0018			







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"	⅜" 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 GROZET 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 SITE PLAN FOR THE SIZE AND LOCATION OF THE GREASE INTERCEPTOR.

- 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, SIZED FOR THE APPLICATION 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 EXITING 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.

- ALL SUSPENDED PIPE SHALL BE SUPPORTED AS FOLLOWS:

MATERIAL	MAX. HORIZ. SPACING	MAX. VERT. SPACING
COPPER PIPE	12 FT.	10 FT.
COPPER TUBING ≤ 1½"	6 FT.	10 FT.
COPPER TUBING > 1½"	10 FT.	10 FT.
CPVC ≤ 1"	3 FT.	10 FT.
CPVC ≥ 1½"	4 FT.	10 FT.
PEX ≤ 1"	3 FT.	10 FT.
PEX ≥ 1½"	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.

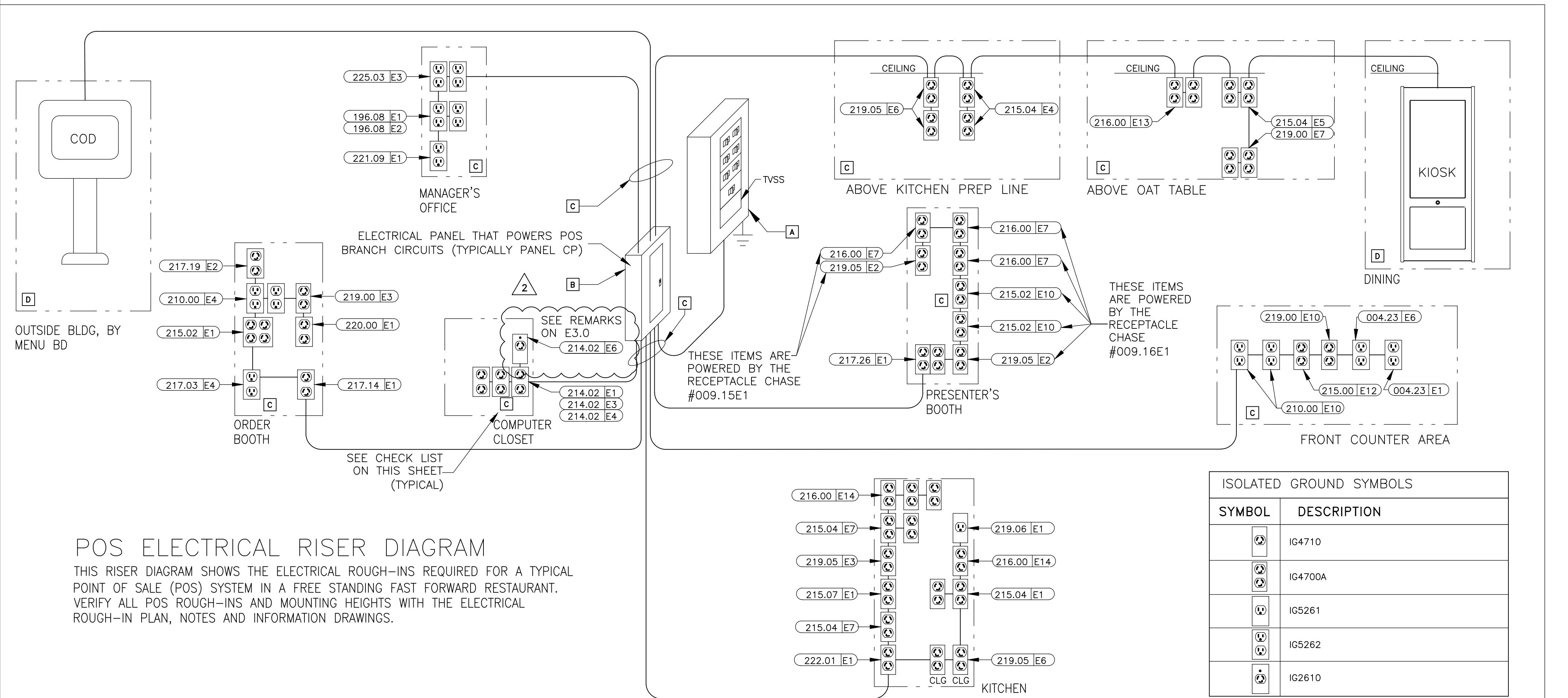
- MINIMUM PIPING INSULATION THICKNESS HEATING AND HOT-WATER SYSTEMS (STEAM, STEAM CONDENSATE, HOT-WATER HEATING AND DOMESTIC WATER SYSTEMS). PER TABLE 6.8.3-1 & 6.8.3-2 (ASHRAE STANDARD 90.1-2022)

PIPING	MINIMUM INSULATION THICKNESS (IN INCHES) PER NOMINAL PIPE OR TUBE SIZE					
NOMINAL PIPE SIZE	<1	1 TO 1½	1.5 TO 2	<4	4 TO 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
— — — — —	UNDERGROUND STORM PIPING	FD	FLOOR DRAIN
⊕	HOSE BIBB	FPC	FIRE PROTECTION CONTRACTOR
↗	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

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 $1\frac{3}{8}$ ",
 - 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.

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: _____

ALL POS CABLING SHALL BE INSTALLED WITHIN THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM.

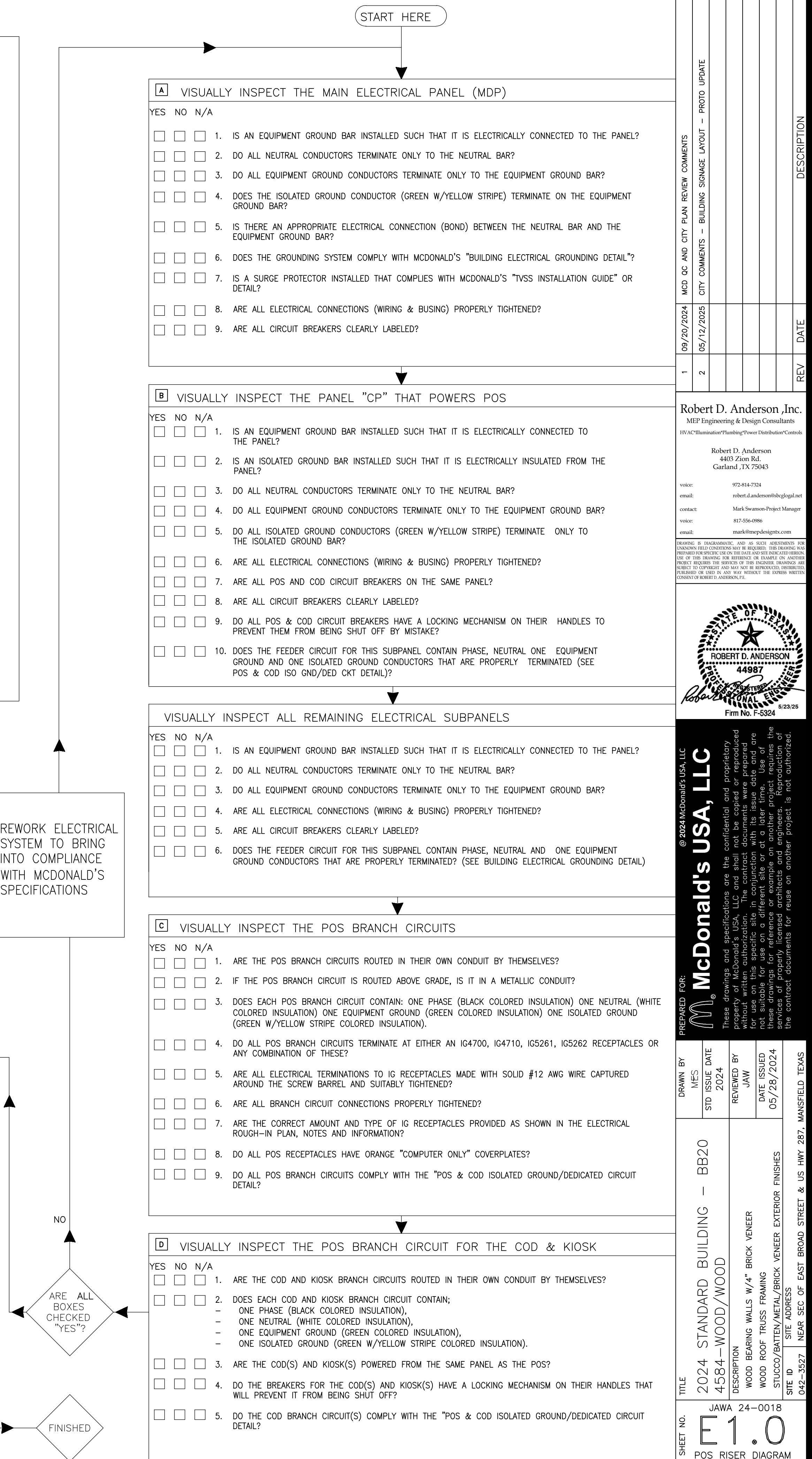
9. GENERAL CONTRACTOR TO COORDINATE WITH POS INSTALLER. POS INSTALLER TO PERFORM POS CABLE INSTALLATION PRIOR TO CLOSING OF WALLS AND CEILING.

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

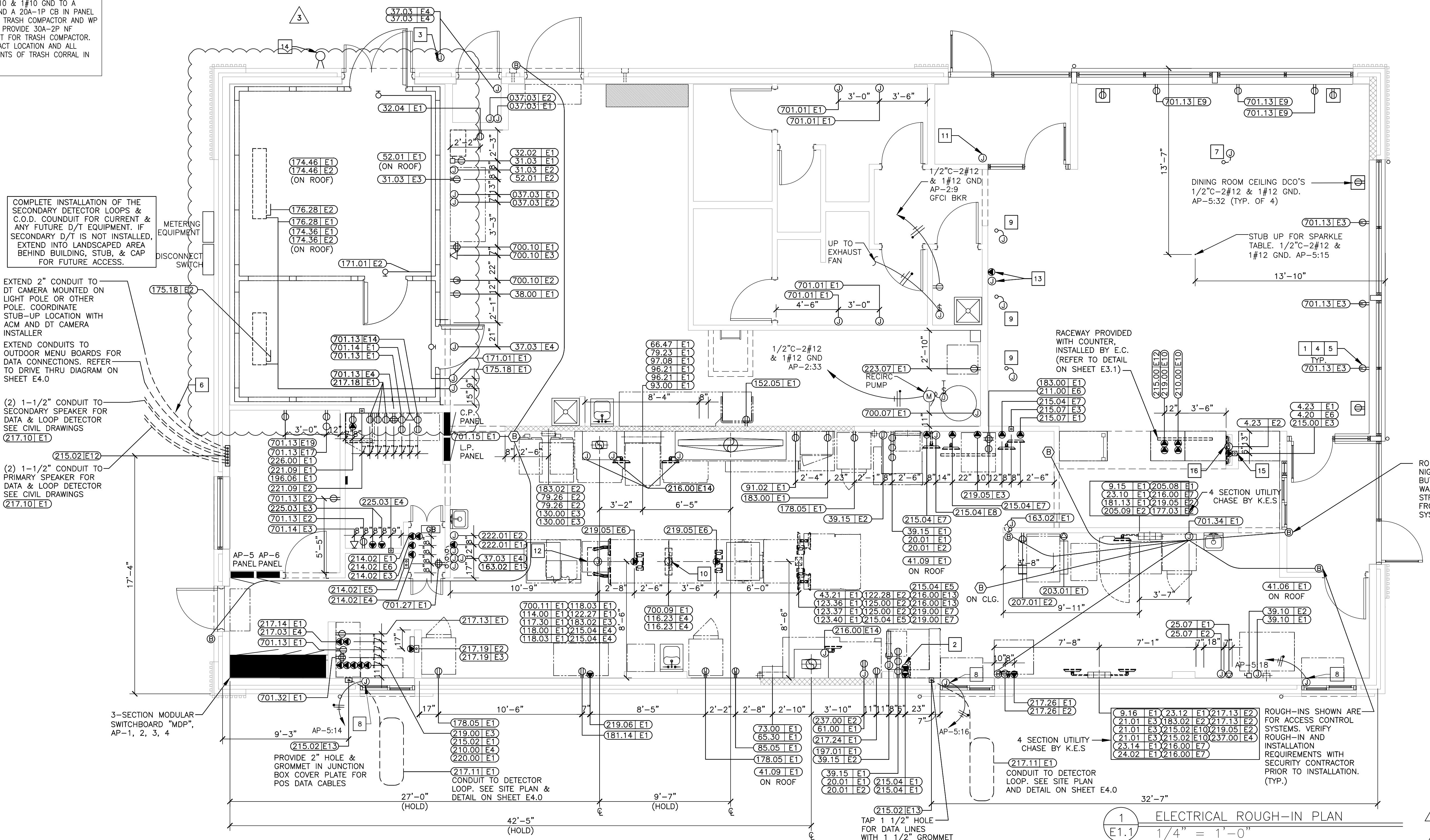
AS PART OF THIS PROCESS, THE EC AND THE GC WILL BE REQUIRED TO SIGN THE ELECTRICAL CERTIFICATION DOCUMENT INDICATING THAT THE INSTALLED ELECTRICAL SYSTEM MEETS MCDONALD'S SPECIFICATIONS

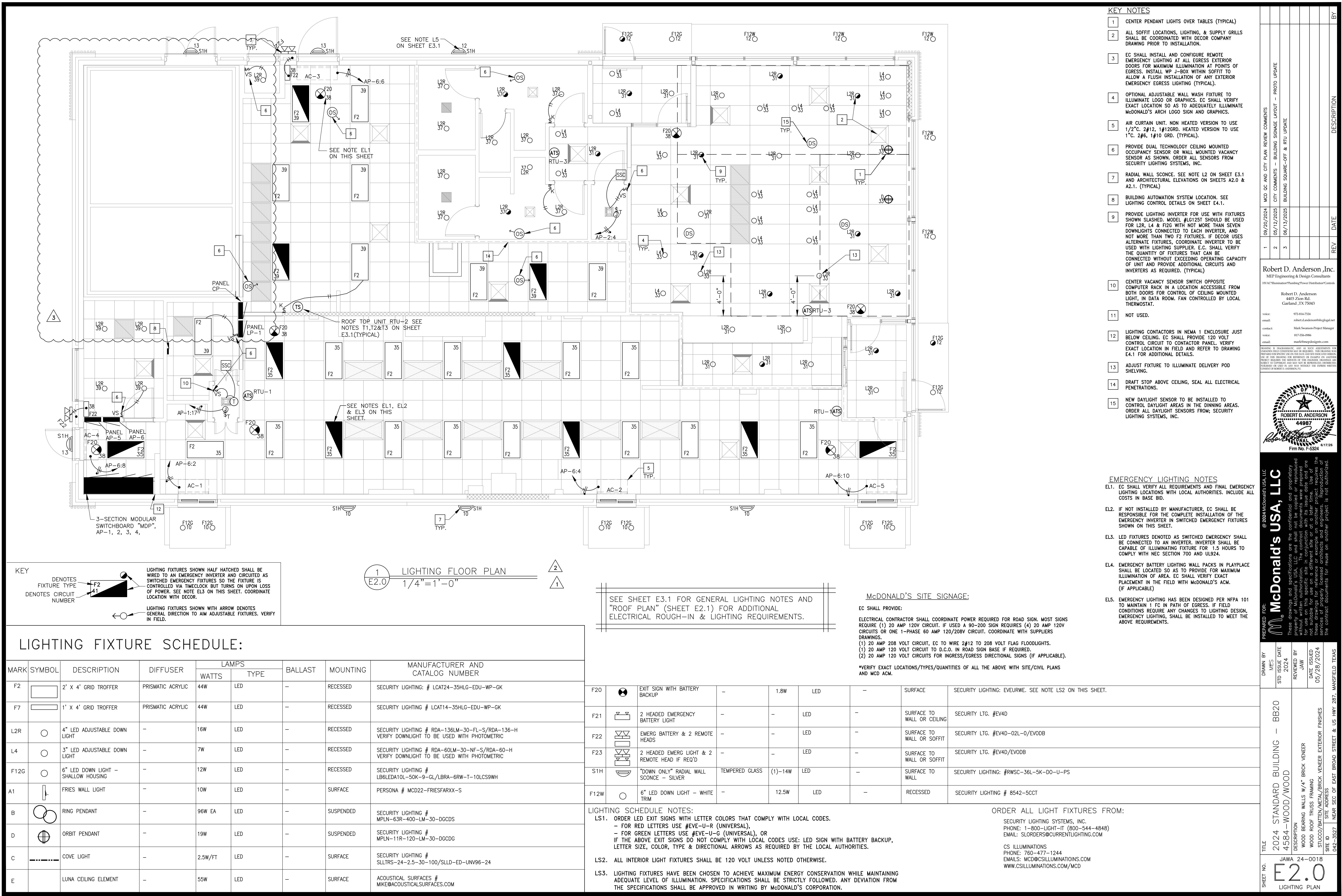
NOTICE:
CHANGES SHALL NOT BE MADE TO THE POS
ELECTRICAL SYSTEM AFTER THE POS EQUIPMENT
HAS BEEN INSTALLED WITHOUT FIRST NOTIFYING
THE POS VENDOR.

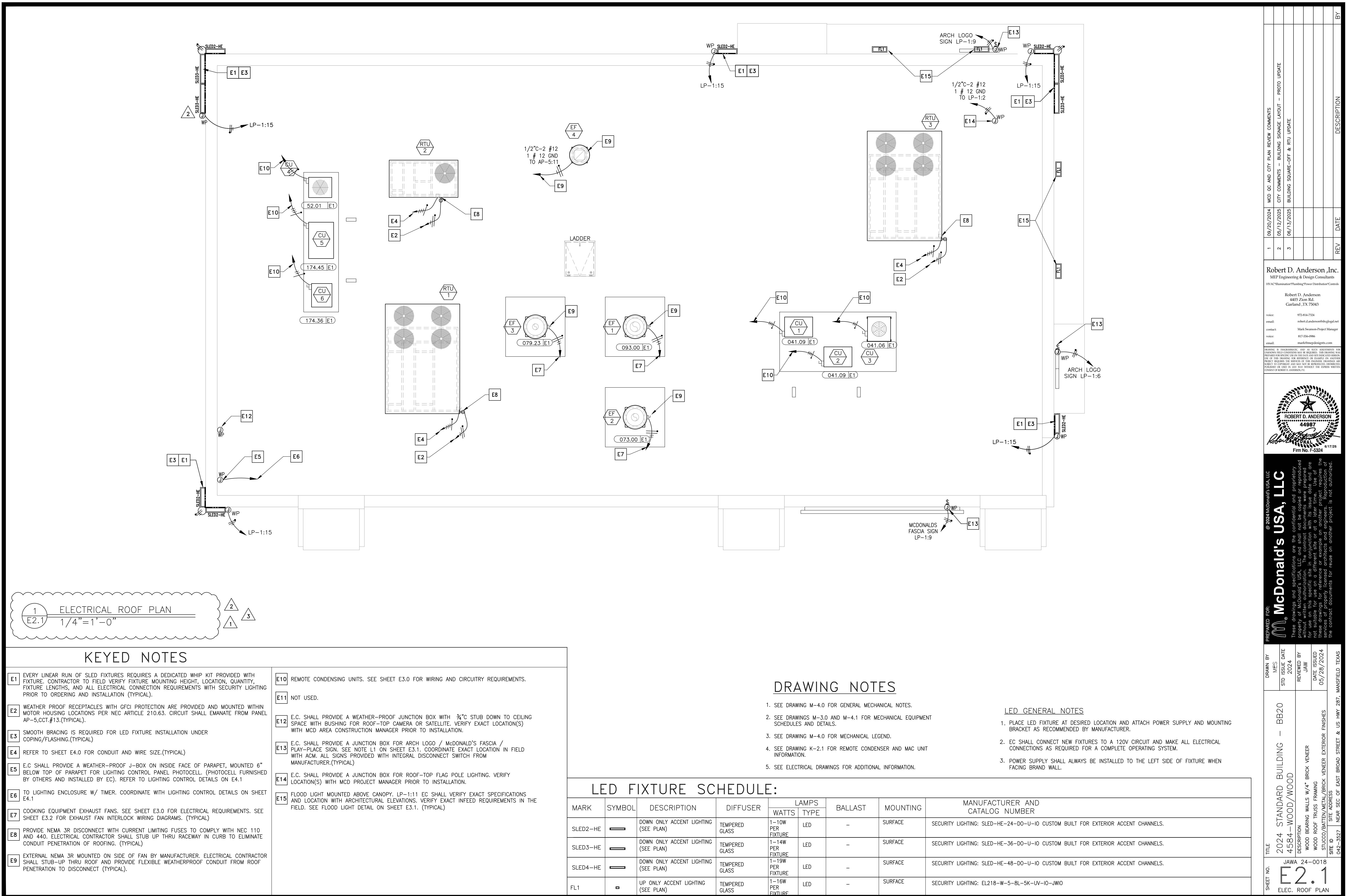
IF CHANGES ARE MADE TO THE POS
ELECTRICAL SYSTEM AFTER THE CERTIFICATION
PROCESS HAS BEEN COMPLETED, THEN A
SYSTEM RE-CERTIFICATION SHALL BE REQUIRED.



TRASH CORRAL POWER:
3/4C-#10 & #110 GND TO A
30A-2P AND A 20A-1P CB IN PANEL
AP-2 FOR TRASH COMPACTOR AND WP
GFCI DCO. PROVIDE 30A-2P NFCA
DISCONNECT FOR TRASH COMPACTOR.
VERIFY EXACT LOCATION AND ALL
REQUIREMENTS OF TRASH CORRAL IN
FIELD.







PB = Pullbox
JB = Junction Box
EC = Electrical Contractor

VIR = Verify in Field

ELECTRICAL SCHEDULE

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-#2#12G	CP:6	IG5262	6'-5"	
004.20E6	1	DIGITAL MERCHANDISER - MEDIA PLAYER	120/1 ISOLATED	1.0	20A	1/2" C-#2#12G	CP:6	IG5262	6'-5"	USE SAME RECEPTACLE AS 4.20E6
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
009.15E1	1	UTILITY CHASE - FFDT INTERIOR WALL	-	-	-	-	-	SEE RMKS	SEE RMKS	UTILITY CHASE AND RECEPTACLES PROVIDED BY K.E.S.
009.16E1	1	UTILITY CHASE - FFDT EXTERIOR WALL	-	-	-	-	-	SEE RMKS	SEE RMKS	UTILITY CHASE AND RECEPTACLES PROVIDED BY K.E.S.
020.01E1	2	AUTOMATED BEVERAGE SYSTEM 2.0	120/1	5.0	20A	1/2" C-#2#12	AP-1:12, AP-2:24	5-20R	2'-0"	-
020.01E2	2	AUTOMATED BEVERAGE SYSTEM 2.0	120/1	14.9	20A	1/2" C-#2#12	AP-1:6, AP-2:26	5-20R	3'-10"	FOR PRE-COOLER
021.01E3	3	COFFEE BREWER (THERMAL POTS)	120-208/1	15.5	20A	1/2" C-#3#12	AP-1:(4.14,16), AP-6(11,13)	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO L14-20R RECEPTACLE IN CHASE
023.10E1	1	ESPRESSO BREWER	208/1	21.6	30A	1/2" C-#2#10	AP-1:(19,21)	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO L6-30R RECEPTACLE IN CHASE
023.12E1	1	COFFEE CREAM DISPENSER	120/1	1.0	20A	1/2" C-#2#12	AP-1:8	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5-20R RECEPTACLE IN CHASE
023.14E1	1	SUGAR/SWEETENER DISPENSER	120/1	1.5	20A	1/2" C-#2#12	AP-1:8	BY KES	SEE RMKS	EC TO EXTEND CIRCUIT TO 5-20R RECEPTACLE IN CHASE
024.02E1	1	JUICE DISPENSER	120/1	4.5	20A	1/2" C-#2#12	AP-1:8	5-20R	SEE RMKS	EC TO EXTEND CIRCUIT TO 5-20R RECEPTACLE IN CHASE
025.07E1	1	INFUSION TEA BREWER - MIS	120-208/1	13.0	20A	1/2" C-#3#12	AP-2:(32,34)	L14-20R	2'-3"	-
025.07E2	1	INFUSION TEA BREWER - MIS	-	-	-	-	-	JB	2'-3"	FOR WATER LINE TO ICED TEA BREWER IF CHASE IS NOT SPECIFIED. (SEE P1.6)
031.03E1	1	SODA SYSTEM PACKAGE - B.I.B. (RECIRCULATING- 3 TOWERS)	208/3	26.0	30A	3/4" C-#3#10	AP-2:(37,39,41)	SEE RMKS	3'-0"	EC SUPPLIES 30A-3P NF DISC SW MTD 9" BELOW CEILING PER NEC SECT. 404.8(A)
031.03E2	1	SODA SYSTEM PACKAGE - B.I.B. (RECIRCULATING- 3 TOWERS)	-	-	-	-	-	JB	4'-0"	FOR CONTROL WIRES FROM REMOTE CONDENSING UNIT
031.03E3	1	SODA SYSTEM PACKAGE - B.I.B. (RECIRCULATING- 3 TOWERS)	120/1	(2) 6.8	20A	1/2" C-#2#12	AP-2:35	5-20R	6'-6"	FOR WATER BOOSTER SYSTEM AND OPTIONAL AIR COMPRESSOR
032.02E1	1	REVERSE OSMOSIS WATER FILTRATION SYSTEM - TANKLESS	120/1	4.0	20A	1/2" C-#2#12 EA	AP-2:23	5-20R	6'-0"	-
032.04E1	1	WATER FILTRATION SYSTEM	120/1	0.08	20A	1/2" C-#2#12 EA	AP-2:23	5-20R	6'-0"	-
037.03E1	2	C02 SAFETY SYSTEM - DETECTOR	120/1	1.0	20A	1/2" C-#2#12	AP-1:10	JB	SEE RMKS	PROVIDE LOCKOUT CB. SEE MECHANICAL DRAWINGS
037.03E2	2	C02 SAFETY SYSTEM	-	-	-	-	-	JB	SEE RMKS	FOR LV WIRES. STUB 3/4" ABV. CLG. SEE MECHANICAL DRAWINGS
037.03E4	4	C02 SAFETY SYSTEM - C02 DETECTOR AV	-	-	-	-	-	JB	7"-6"	STUB 3/4" ABV. CLG. FOR LV COND. TO 037.03E2. SEE MECHANICAL DRAWINGS
038.00E1	1	CLEAN IN PLACE PANEL	120/1	1.0	20A	1/2" C-#2#12	AP-2:21	5-20R	5'-6"	-
039.10E1	1	ICE MACHINE - 1400 LB.	208/3	13.4	20A	1/2" C-#3#12	AP-2:(1,3,5)	SEE RMKS	SEE RMKS	EC SUPPLIES 30A-3P NF DISC SW MTD 9" BELOW CEILING PER NEC 404.8(A) EX2. VERIFY W/ AHJ
039.10E2	1	ICE MACHINE - 1400 LB.	-	-	-	-	-	JB	4'-6"	CONTROL WIRES TO REMOTE CONDENSER
039.15E1	2	ICE MACHINE - 1000 LB.	120/1	1.1	15A	1/2" C-#2#12	AP-1:37,39	5-20R	SEE RMKS	MOUNT 9" BELOW CEILING - CIRCUIT BREAKERS SHALL BE HACR TYPE
039.15E2	2	ICE MACHINE - 1000 LB.	-	-	-	1/2" C	-	JB	SEE RMKS	MOUNT 9" BELOW CEILING - CONTROL WIRES TO REMOTE CONDENSER
041.06E1	1	ICE MACHINE REMOTE CONDENSER - 1400 LB.	208/1	1.0	20A	SEE 1/2" C-#3#12	AP-1:(26,28)	SEE RMKS	SEE RMKS	EC TO PROVIDE WP 30A-2P NF DISC AT UNIT ON ROOF - CIRCUIT BREAKERS SHALL BE HACR TYPE
041.09E1	2	ICE MACHINE REMOTE CONDENSER - 1000 LB.	208/3	11.1	15A	SEE 1/2" C-#3#12	AP-1:(32,34,36)(38,40,42)	SEE RMKS	SEE RMKS	EC TO PROVIDE WP 30A-3P NF DISC AT UNIT ON ROOF - CIRCUIT BREAKERS SHALL BE HACR TYPE
043.21E1	1	OPTIMIZED ORDER ASSEMBLY TABLE	120/1	5.4	20A	SEE RMKS	KES BREAKER PANEL	SEE RMKS	SEE RMKS	PLUGS INTO KES OUTLET CHASE FOR HLA
052.01E1	1	SODA SYSTEM PACKAGE REMOTE CONDENSER - 3-TOWER	208/1	2.5	20A	SEE RMKS	SEE RMKS	SEE RMKS	SEE RMKS	EC TO PROVIDE 30A-2P DISC SW W/15A FUSE - POWERED BY 31.03 - LOCATION BY ACM
052.01E2	1	SODA SYSTEM PACKAGE REMOTE CONDENSER - 3-TOWER	-	-	-	-	-	SEE RMKS	CONTROL WIRES TO SODA SYSTEM - LOCATION BY ACM	
061.00E1	1	FRY BAGGING STATION 36"	120/1	12.5	20A	1/2" C-#2#12	AP-1:31	JB	4'-0"	-
065.30E1	1	3-VAT LOV FRYER - ELECTRIC - F/F/F	208/3	38.9 EA. VAT (3) 50A	1C"-3#6 EA. VAT (25,27,29)	AP-4:(13,15,17)(19,21,23)	BY KES	SEE RMKS	SEE RMKS	PLUGS INTO RACEWAY RECEP WITH(1)L21-20P INTERLOCK PLUG &(3) 15-60P POWER PLUG BY KES
066.47E1	1	4-VAT LOV FRYER - ELECTRIC - S/S/S/S	208/3	38.9 EA. VAT (4) 50A	1C"-3#6 EA. VAT (2,4,6)(8,10,12)	AP-3:(3,15,17)(7,9,11)	BY KES	SEE RMKS	SEE RMKS	PLUGS INTO RACEWAY RECEP WITH(1)21-20P INTERLOCK PLUG &(4) 15-60P POWER PLUG BY KES
073.00E1	1	UNIVERSAL EXHAUST HOOD 3-VAT FRYER	120/1	12.5, 9.8	(2)20A-1P	1/2" C-#2#12EA	AP-1:23,24	BY KES	SEE RMKS	EC TO CONN POWER TO RACEWAY FLA = 12.0 FRYER CONTROLS, 0.5 CAPTURE JET & 9.8 INDIVID. EXHAUST FAN INTERLOCK
079.23E1	1	UNIVERSAL EXHAUST HOOD FULL-CLAM/4-VAT FRYER	120/1	17.6, 13.8	(2)20A-1P	1/2" C-#2#12EA	AP-1:29,41	BY KES	SEE RMKS	EC TO CONN POWER TO RACEWAY FLA = 3.6 GRILL,13.0 FRYER CONTROLS, 1.0 CAPTURE JET & 13.8 INDIVID EXHAUST FAN INTERLOCK
079.26E2	2	VENTLESS HOOD COMBI OVEN	120/1	8.0	15A	1/2" C-#2#12	AP-4:14,16	BY KES	SEE RMKS	EC TO EXTEND DEDICATED CIRCUIT TO 5-15R RECEPTACLE IN CHASE
085.05E1	1	FROZEN FRY DISPENSER	120/1	9.0	20A	1/2" C-#2#12	AP-1:27	5-20R	4'-0"	-
091.02E1	1	WALL MOUNT FREEZER UNIT-SINGLE WIDE-HIGH CAPACITY	120/1	5.0	20A	1/2" C-#2#12	AP-5:23	5-20R	7"-6"	-
093.00E1	1	UNIVERSAL EXHAUST HOOD FULL-CLAM GRILL	120/1	13.9	20A	1/2" C-#2#12	AP-2:17	BY KES	SEE RMKS	EC TO CONN. POWER TO RACEWAY FLA = 3.6 GRILL CONTROLS, 0.5 CAPTURE JET & 9.8 INDIVID. EXHAUST FAN INTERLOCK
096.21E1	2	36" NEXT GEN 3-PLATE CLAMSHELL GRILL - ELECTRIC	208/3	21.7, 43.3	(2)50A	1-1/2" C-#6#4	AP-3:(14,16,18)(20,22,24)	BY KES	SEE RMKS	PLUGS INTO RACEWAY RECEP WITH(1)L21-20P INTERLOCK &(2) 15-50P POWER PLUG EA GRILL
097.08E1	1	MEAT FREEZER - DOUBLE WIDE - HIGH CAPACITY - RIGHT HAND	120/1	7.0	20A	1/2" C-#2#12	AP-2:19	5-15R	SEE RMKS	UNIT PLUGS INTO RACEWAY RECEPTACLE
114.00E1	1	HUMIDIFIED HOLDING CABINET	208/1	9.1	20A	1/2" C-#2#12	AP-5:(34,36)	SEE RMKS	5'-6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C6W(B) PROVIDED BY KES - HEIGHT TO BOTTOM OF RECEPTACLE
116.23E4	2	UNIVERSAL HOLDING CABINET - HIGH DENSITY	208/1	15.2	20A	1/2" C-#2#12	AP-5:(4,6)(8,10)	BY KES	5'-6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C6W(B) PROVIDED BY KES - HEIGHT TO BOTTOM OF RECEPTACLE
117.30E1	1	UHC TAPE COPL - 2 SIDED - 51" D x 34" W	120/1	2.0	20A	1/2" C-#2#12	AP-5:12	BY KES	5'-6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C4W(Y) PROVIDED BY KES - HEIGHT TO BOTTOM OF RECEPTACLE
118.00E1	1	Q'ING OVEN - PIN & SLEEVE	208/1	15.4	20A	1/2" C-#2#12	AP-2:(38,40)	SEE RMKS	5'-6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C6W(B) PROVIDED BY KES - HEIGHT TO BOTTOM OF RECEPTACLE
118.03E1	2	Q'ING OVEN - PIN & SLEEVE	208/1	14.9	20A	1/2" C-#2#12	AP-2:(18,20)(26,30)	SEE RMKS	5'-6"	PLUGS INTO OVERHEAD RECEPTACLE # 320C6W(B) PROVIDED BY KES - HEIGHT TO BOTTOM OF RECEPTACLE
122.27E1	1	NEXT GEN. UNIVERSAL RADIANT TOASTER - PIN & SLEEVE	208/1	25.2	30A	1/2" C-#2#10	AP-5:(27,29)	SEE RMKS	5'-6"	PLUGS INTO OVERHEAD RECEPTACLE # 330C6W(B) PROVIDED BY KES - HEIGHT TO BOTTOM OF RECEPTACLE
122.28E2	1	NEXT GEN. UNIVERSAL CONTACT TOASTER - PIN & SLEEVE	208/1	25.2	30A	1/2" C-#2#10	SEE RMKS	5'-6"	PLUGS INTO OVERHEAD RECEPTACLE # 330C6W(B) PROVIDED BY KES - HEIGHT TO BOTTOM OF RECEPTACLE	
123.36E1	1	ECU TABLE - COPL	208/1	4.9	15A	SEE RMKS	KES BREAKER PANEL	SEE RMKS	5'-6"	PLUGS INTO KES OUTLET CHASE
123.37E1	1	BREAKER PANEL - 125 AMP - 1 PHASE - 120-208/1	SEE RMKS	1-1/2" C-#3#11	MDP:11	-	-	EC TO EXTEND AND CONNECT ELECTRICAL SERVICE. HARDWIRE TO KES BREAKER PANEL	SEE RMKS	EC TO EXTEND AND CONNECT ELECTRICAL SERVICE. HARDWIRE TO KES BREAKER PANEL
123.40E1	1	PREP TABLE - HD - 2-SIDED COPL - 38"D x 83 1/2" - PIN & SLEEVE W/ REF.	120/1	10.0	20A	SEE RMKS	KES BREAKER PANEL	SEE RMKS	SEE RMKS	SEE RMKS
125.00E2	2	RAPID BU STEAMER	208/1	14.3	30A	1/2" C-#2#10	KES BREAKER PANEL	SEE RMKS	SEE RMKS	PLUGS INTO KES RACEWAY RECEPTACLE
12										

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, DCO's, AND OTHER ELECTRICAL DEVICES SHOWN SHALL BE RECESSED INTO A WALL, FLOOR OR CEILING UNLESS SPECIFICALLY NOTED OTHERWISE.
- M4. ALL RECEPTACLES (EXCEPT SPECIFIED HUBBELL PIN & 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-IN 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.
- 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 208Y/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 1 PAIR (OR MORE) COPPER TELEPHONE CABLE FROM THE TELEPHONE UTILITY EASEMENT TO THE RESTAURANT TELEPHONE DEMARCAION 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 INCORPORATE ALL OTHER REQUIREMENTS NECESSARY FOR COMPLETE AND OPERATIONAL TELEPHONE SYSTEM(S) FOR 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/CONDUT TRENCH PROVIDED BY GC. CONDUIT SHALL RUN FROM INCOMING TELCOM 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:

1. IF TELCOM CONDUIT IS TERMINATED WITHIN BUILDING, PVC SHALL TRANSITION TO HWG/RMC TYPE CONDUIT PRIOR TO RISING ABOVE FINISHED SLAB.
2. PROVIDE THERMOPLASTIC BUSHINGS AT BOTH ENDS OF CONDUIT FOR CABLING PROTECTION.
3. IF 90 DEGREE BENDS ARE REQUIRED, CONTRACTOR SHALL PROVIDE WIDE SWEEPING BENDS TO PREVENT BENDING/DAMAGE TO CABLE.
4. ALL COMMUNICATIONS CABLING SHALL BE PULLED VIA THIS CONDUIT.
5. 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 NOT LESS THAN 200 LB TENSILE STRENGTH. PROVIDE AT LEAST 12 INCHES OF SLACK AT EACH END OF PULL WIRE.
6. AFTER INSTALLATION OF COMMUNICATIONS CABLING AND PULLSTRINGS/WIRES, 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.

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 M3.3 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 THE TRELLIS (FOR THE LIGHT FIXTURE WIRING). THE LOCATION OF THE JUNCTION BOX AND THE OPENING IN THE TRELLIS SHALL BE ALIGNED FOR THE LIGHT FIXTURE TO BE INSTALLED PROPERLY. COORDINATE INSTALLATION OF JUNCTION BOX AND ANY NECESSARY OPENINGS 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 FIELD 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 SEATING 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 BALLAST.
- 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.

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

1. EXPOSED: RMC, IMC.
2. CONCEALED: RMC, IMC.
3. BELOW GRADE, SINGLE RUN: RNC, RMC.
4. BELOW GRADE, GROUPED: RNC, RMC.
5. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): LFMC.
6. BOXES AND ENCLOSURES: NEMA 250, TYPE 3R OR 4.

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

1. EXPOSED: EMT, IMC.
2. CONCEALED: EMT, IMC.
- (CONTINUED ON TOP)

E-3.1 NOT TO SCALE

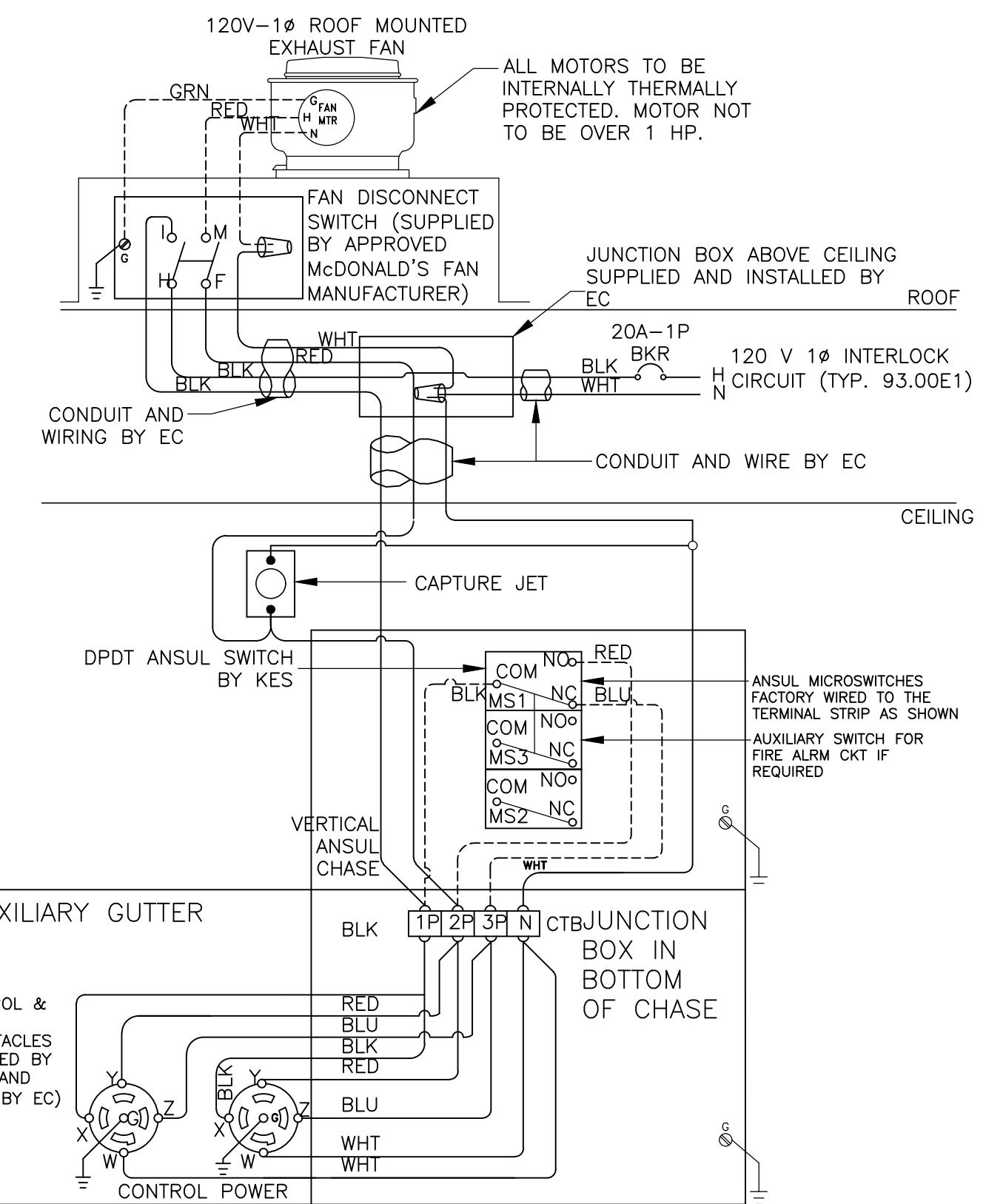
E-3.1 NOT TO SCALE</

SEQUENCE OF OPERATION:

1. TURNING "ON" ANY PIECE OF COOKING EQUIPMENT UNDER A HOOD WILL TURN ON THE EXHAUST FAN AND ASSOCIATED RTU PROVIDING MAKEUP AIR FOR THAT HOOD.
 2. TURNING "OFF" THE LAST PIECE OF COOKING EQUIPMENT UNDER A HOOD WILL TURN OFF THE EXHAUST FAN FOR THAT HOOD.
 3. IF THE ANSUL SYSTEM SHOULD DISCHARGE WHILE THE COOKING EQUIPMENT AND EXHAUST FAN ARE OPERATING, THE COOKING EQUIPMENT WILL BE SHUT OFF, BUT THE EXHAUST FAN WILL CONTINUE TO RUN AND WILL FORCE THE ROOFTOP UNITS INTO A "SCHEDULED" MODE
 4. THE ANSUL SYSTEM MUST BE RECHARGED AND MANUALLY RESET BEFORE THE COOKING EQUIPMENT WILL AGAIN BE ABLE TO OPERATE.
 5. THE ON/OFF SWITCH ON THE EXHAUST FAN IS NORMALLY KEPT IN THE "ON" POSITION. IF IT IS TURNED OFF FOR SERVICE, THE COOKING EQUIPMENT WILL TURN OFF AND NOT BE ABLE TO OPERATE UNTIL THE EXHAUST FAN ON/OFF SWITCH IS AGAIN TURNED ON.

INTERLOCK DIAGRAM LEGEND

- TERMINAL BLOCK IN CHASE
 - CTB - CHASE TERMINAL BLOCK. PROVIDED AND INSTALLED BY KITCHEN EQUIPMENT SUPPLIER
 - ETB - EQUIPMENT TERMINAL BLOCK
 - EFCR - EXHAUST FAN CONTROL RELAY. PROVIDED BY CONTRACTOR.
 - IGR - INTERNAL GRILL RELAY PROVIDED WITHIN GARLAND GRILLS
 - MS - ANSUL MICROSWITCH PROVIDED BY KITCHEN EQUIPMENT SUPPLIER
 - >> CONTROL CORD PLUG & RECEPTACLE
 - FIELD WIRING
 - CONTROL CORD/INTERNAL WIRING
 - FACTORY WIRING
 - EQUIPMENT OR ENCLOSURE



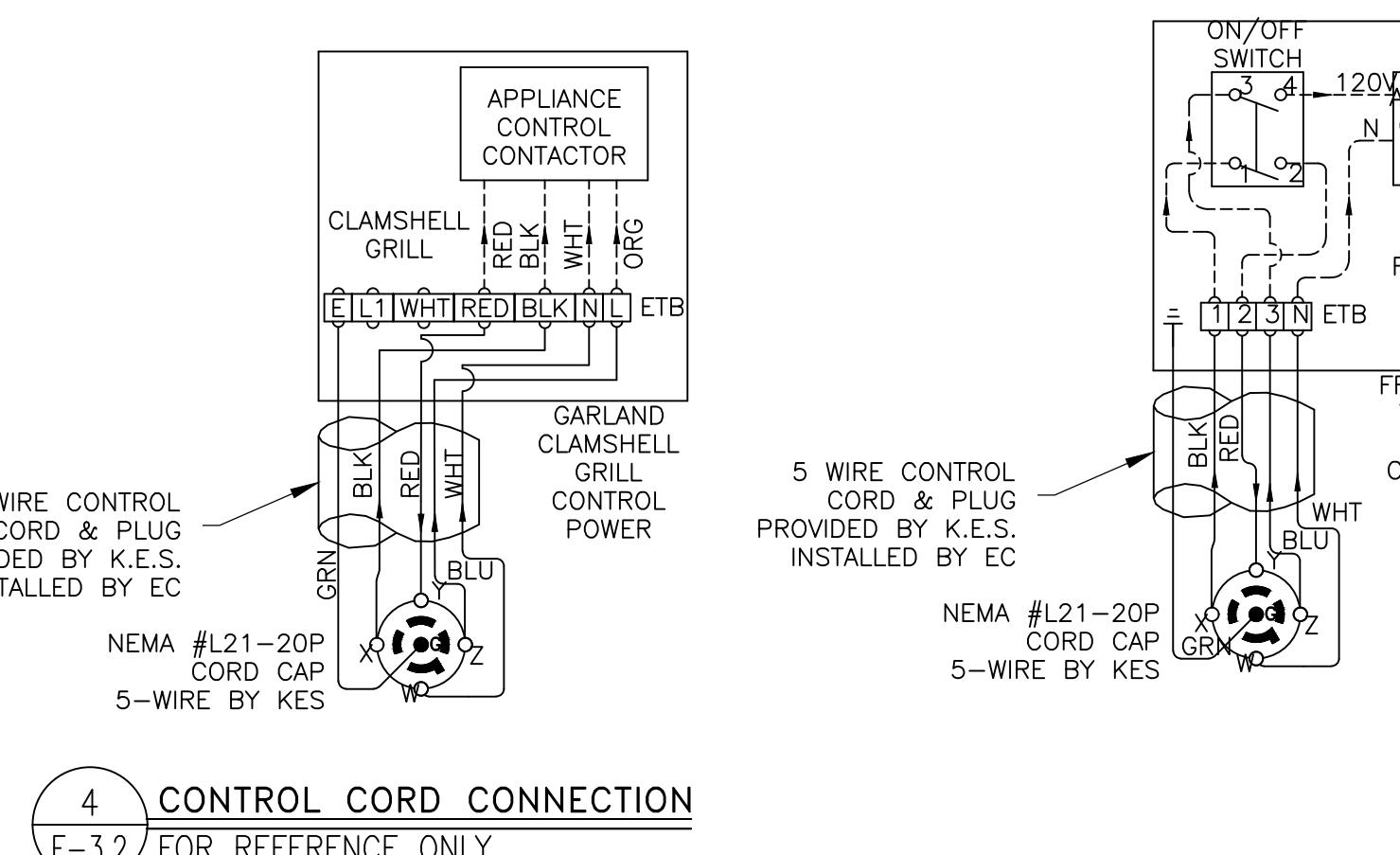
COOKING EQUIPMENT EXHAUST FAN	MAKE UP PROVIDED BY
EF/1	RTU-3
EF/2	RTU-1
EF/3	RTU-2

NOTE
RTU # ASSOCIATED WITH EACH EXHAUST FAN BASED ON PROTOTYPICAL VALUES ONLY. VERIFY THAT EXHAUST FAN ACTIVATES THE CORRESPONDING RTU TO PROVIDE AN ADEQUATE AMOUNT OF MAKEUP AIR.

1 TYPICAL MAKEUP AIR RTU EXHAUST FAN SCHEDULE

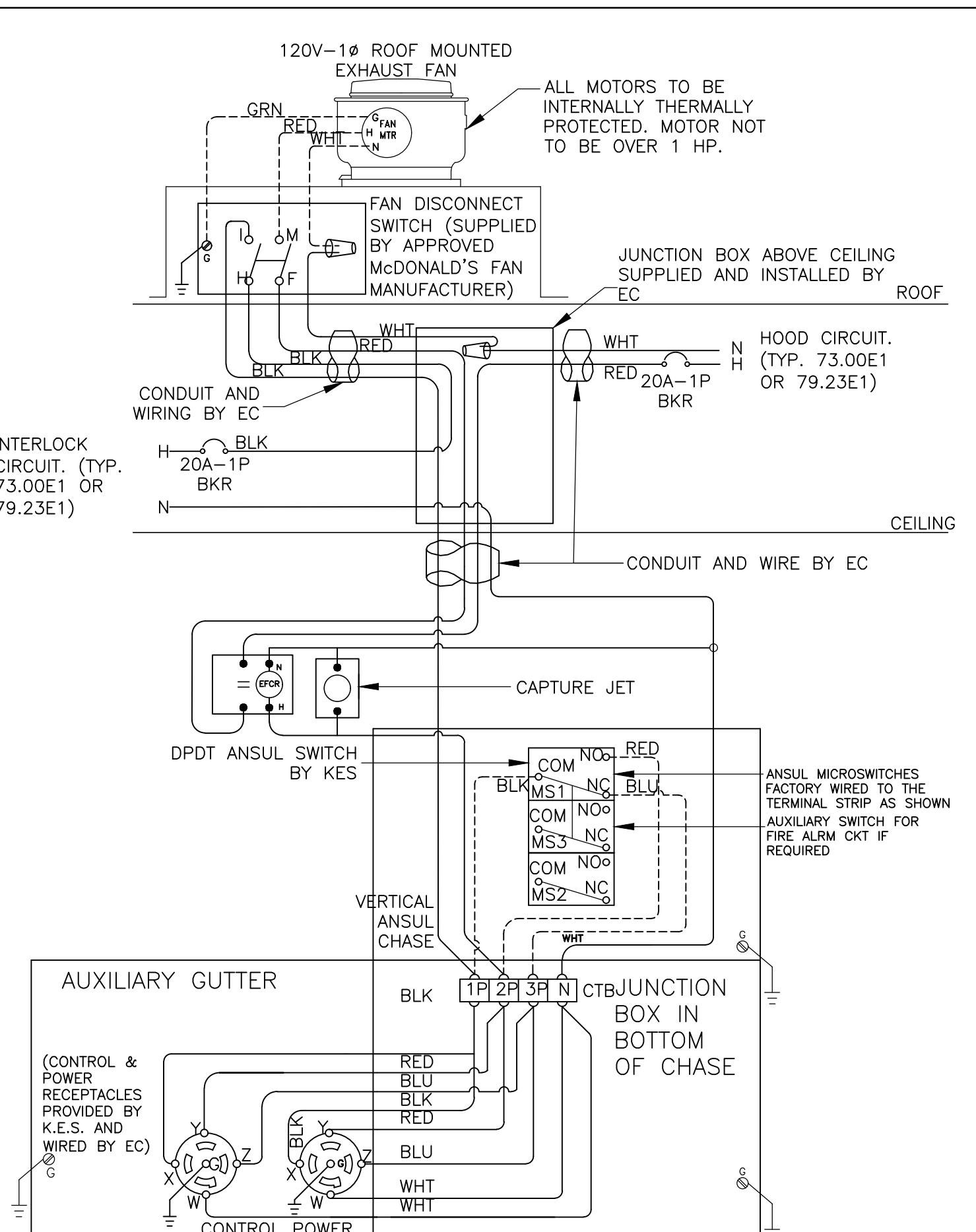
E-3.2 FOR REFERENCE ONLY

REVISED: 6/18



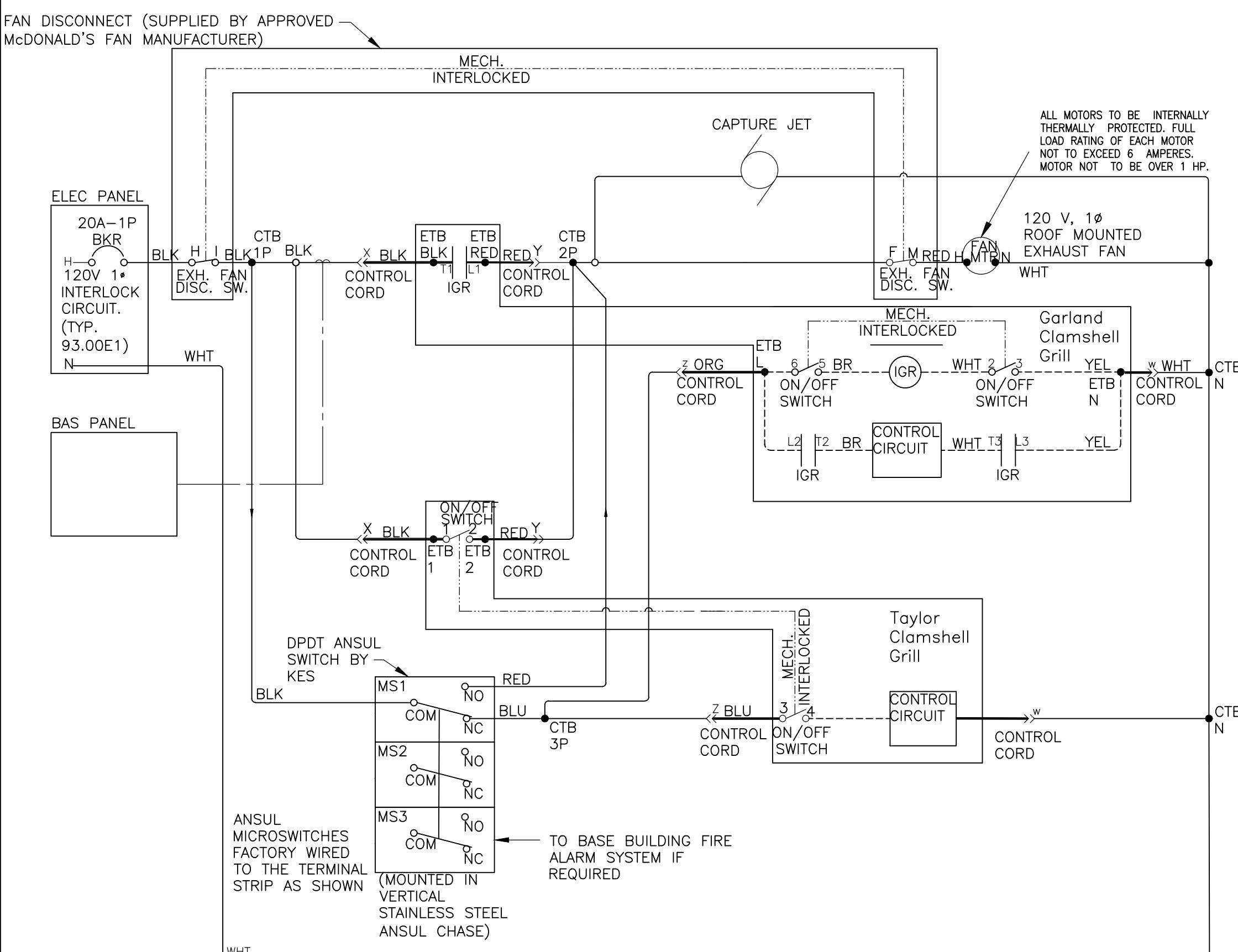
4 CONTROL CORD CONNECTION
E-3.2 FOR REFERENCE ONLY

REVISED: 6/18



5 INTERLOCK WIRING DIAGRAM FOR EXHAUST FAN AND COOKING EQUIPMENT

REVISED: 6/18



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McDonald's USA

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PREPARED  These drivers
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for use
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DRAWN BY MES	STD ISSUE DATE 2024	REVIEWED BY JAW	DATE ISSUED 05/28/2024
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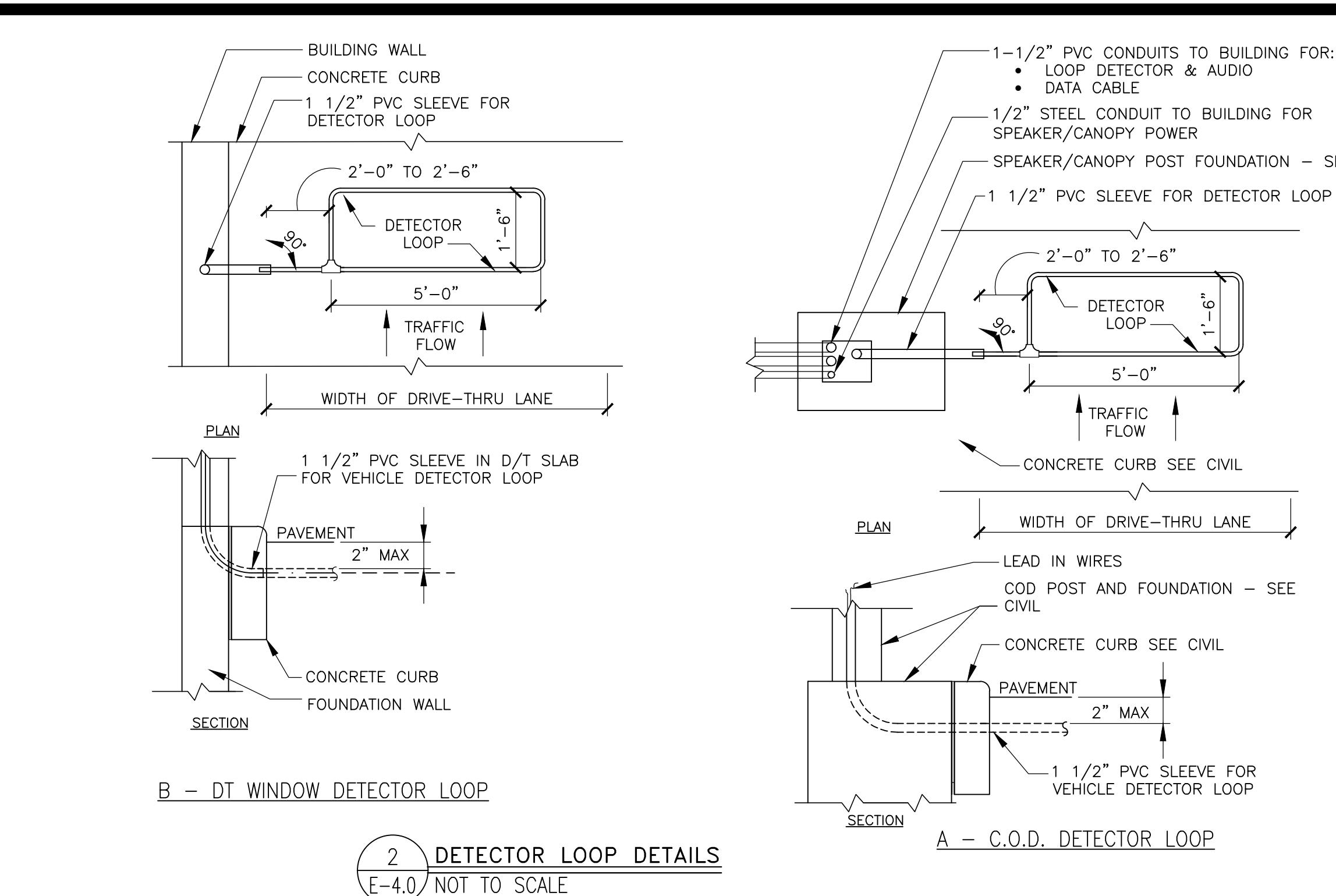
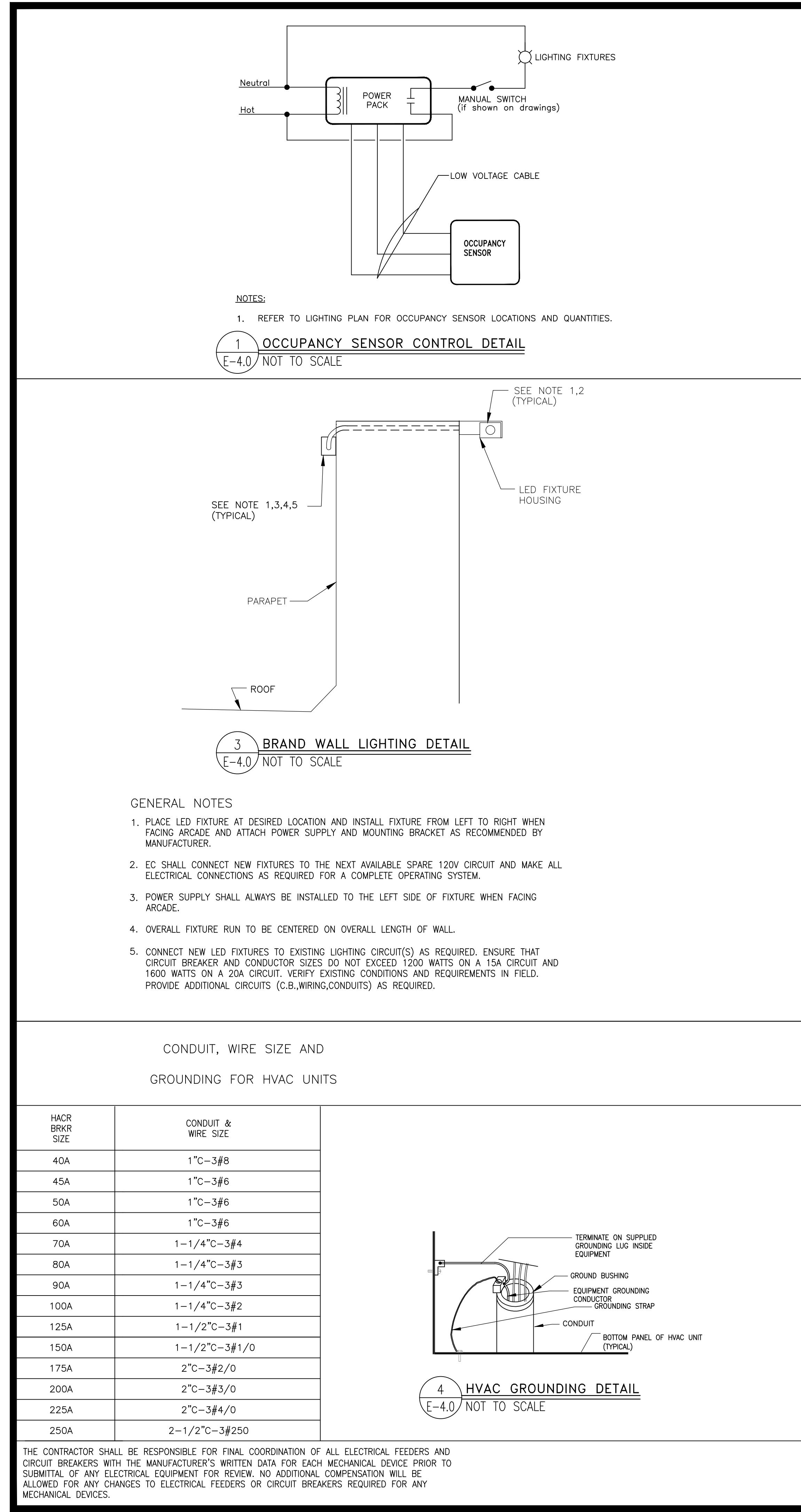
INTERIOR FINISHES

REET & US HWY 287,

STANDARD BUILDING
WOOD/WOOD

3 WALLS W/4" BRICK VENEER
FRUSS FRAMING
METAL/BRICK VENEER EX
ITE ADDRESS
EAST SEC OF EAST BROAD ST

SHEET NO.	E 3 . 2		
TITLE	JAWA 24-0018 INTERLOCK DIAGRAMS		
DESCRIPTION	WOOD BEARING	WOOD ROOF 1	STUCCO/BATTEN
SITE ID	042-3527	SIL	NE
STL	2024	4584-W	0



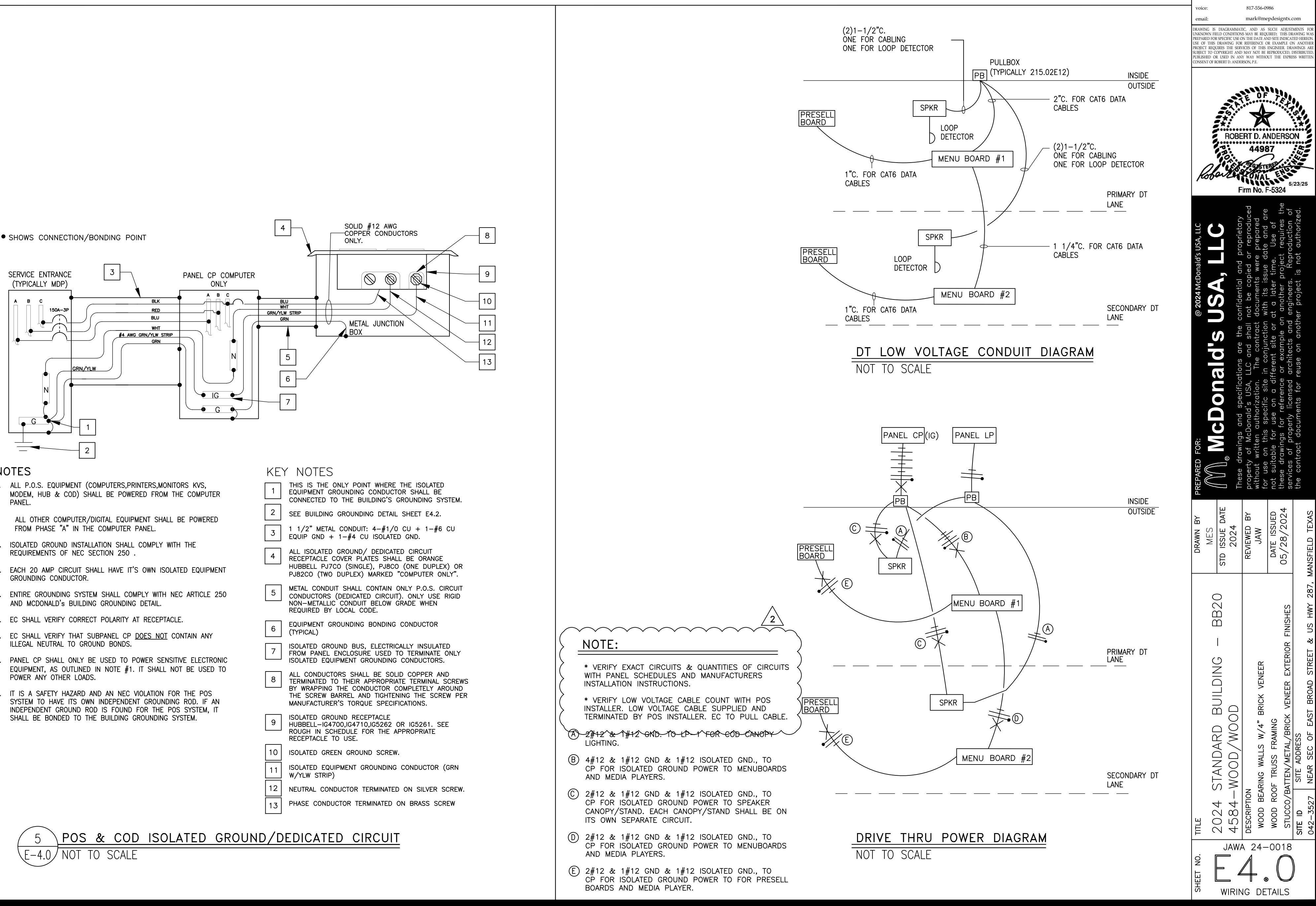
- NOTES**
1. VERIFY CONDUIT SIZES AND LAYOUT WITH DETECTOR LOOP MANUFACTURER.
 2. CENTER VEHICLE DETECTOR LOOP (ITEM # 217.11E1) IN DRIVE THRU LANE. INSTALL PER MFR. RECOMMENDATIONS.
 3. SEE CIVIL FOR DIMENSIONS OF DRIVE-THRU LANE CONCRETE PAD FOR DETECTOR LOOP.
 4. NO STEEL (REBAR OR ELECTRICAL WIRE) SHALL BE USED WITHIN 2' OF LOOP.
 5. DETECTOR LOOP MANUFACTURERS: DETECTOR LOOPS MAY BE BY ONE OF THE FOLLOWING COMPANIES OR EQUAL.
3M: 1-800-328-0033
HME: 1-800-848-4468
 6. 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.
 7. DETECTOR LOOP CONSTRUCTION: FORMED WITH ONE CONTINUOUS LENGTH OF PVC WITH NO SHARP CORNERS AS DETAILED. WIRE LOOPED, FORMED, & PIQUED AS DETAILED.

REV	DATE	DESCRIPTION
1	09/20/2024	MCD OC AND CITY PLAN REVIEW COMMENTS
2	05/12/2025	CITY COMMENTS - BUILDING SIGNAGE LAYOUT - PROTO UPDATE

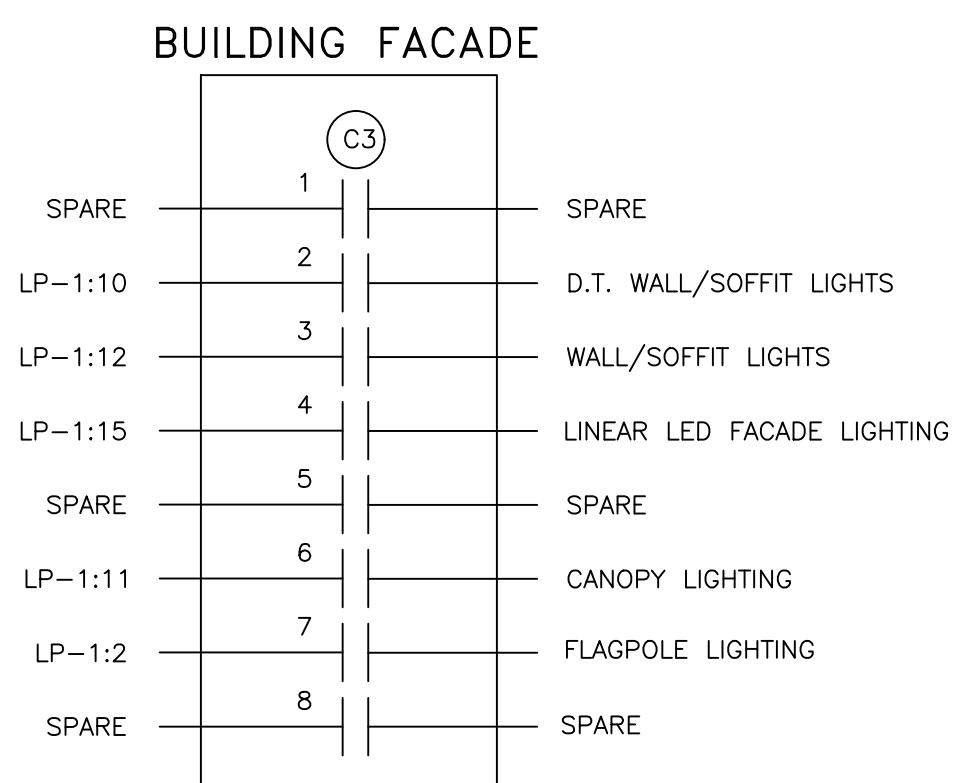
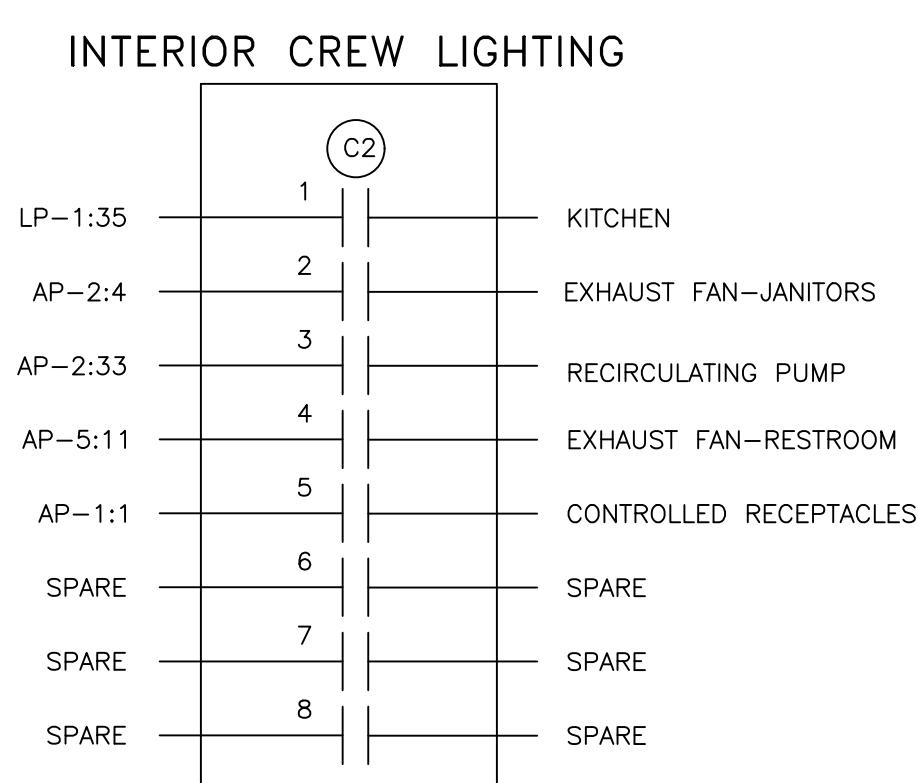
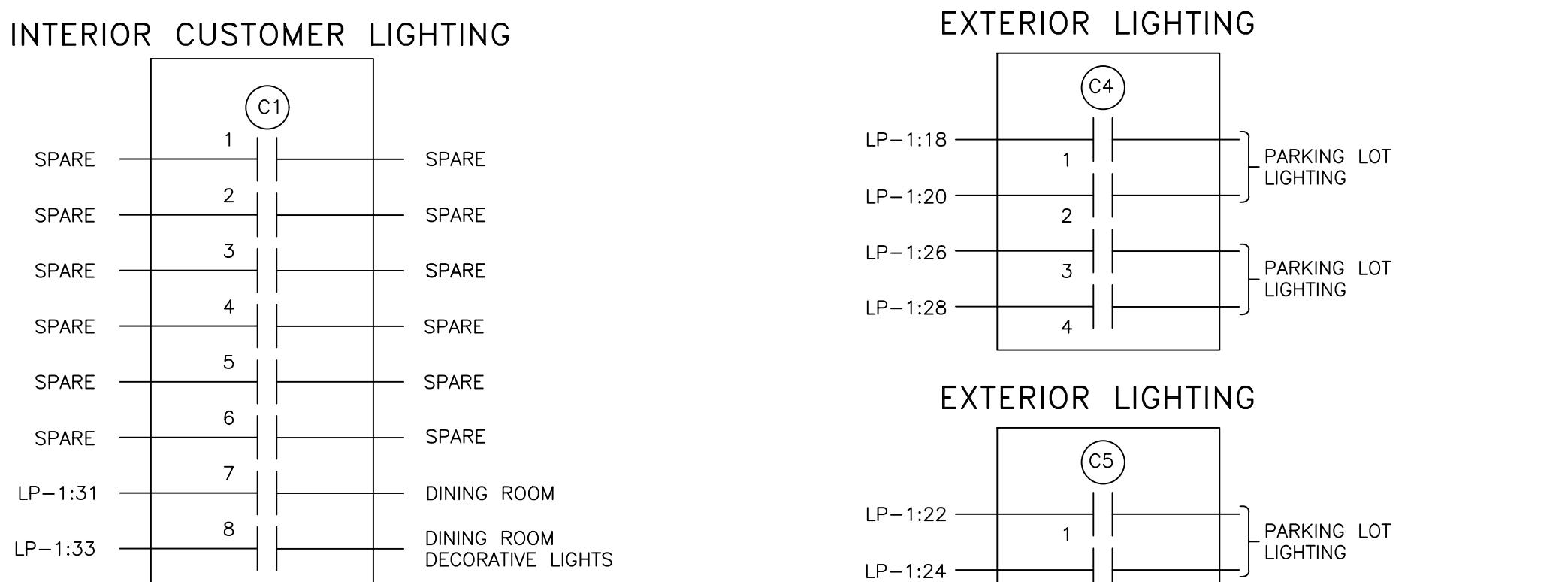
Robert D. Anderson, Inc.
MEP Engineering & Design Consultants
HVAC/Illumination/Plumbing/Power Distributor/Control
Robert D. Anderson
4403 Zinn Rd.
Garland, TX 75043
voice: 972-844-7204
email: robert.anderson@boglegal.net
contact: Mark Swanson/Project Manager
voice: 817-556-0986
email: mark@mjwdesigns.com

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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.

- 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.

- LC3. ALL COMPONENTS FOR THIS LIGHTING CONTROL SYSTEM SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE BOXED NOTE BELOW FOR OPTIONS.
 - LC4. ALL COMPONENTS SHALL BE UL LISTED AND LABELED AND THE SYSTEM SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL ENERGY CODE REQUIREMENTS.
 - LC5. ALL CONTACTORS SHALL BE LOCATED IN A NEMA 1 ENCLOSURE WITH SCREW TYPE COVER MOUNTED DIRECTLY ABOVE LIGHTING PANEL OR SWITCHGEAR SO AS TO BE ACCESSIBLE.
 - LC6. ALL CONTACTORS SHALL BE RATED FOR 30 AMP LOADS UNLESS NOTED OTHERWISE AND SHALL BE HID RATED WHERE REQUIRED.
 - LC7. COIL VOLTAGES FOR ALL CONTACTORS SHALL BE 120 VOLT UNLESS NOTED OTHERWISE.
 - LC8. CONTACTOR C5 IS INTENDED TO CONTROL PARKING LOT LIGHTS NEAR TRASH CORRAL, DELIVERY DOORS, AND EMPLOYEE PARKING, THUS ALLOWING A DIFFERENT LIGHTING SCHEDULE TO BE USED IN THOSE AREAS.

BUILDING AUTOMATION SYSTEM NOTES

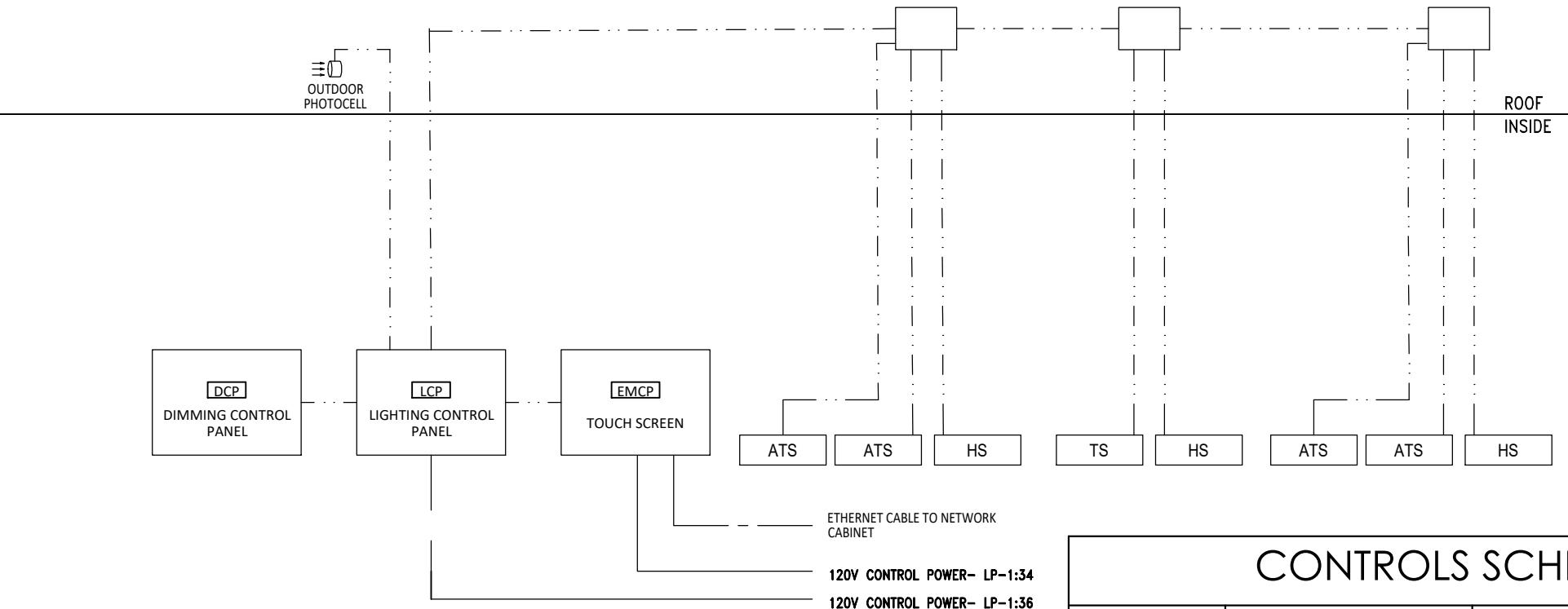
- AS1.** THE DIAGRAM SHOWN ABOVE IS SCHEMATIC IN NATURE AND SHOWS THE GENERAL REQUIREMENTS FOR THE INSTALLATION OF THE BUILDING AUTOMATION SYSTEM. EXACT EQUIPMENT REQUIREMENTS AND QUANTITIES WILL VARY PER SITE. G.C., M.C., T.C.C. AND E.C. SHALL COORDINATE ALL EXACT EQUIPMENT AND INSTALLATION REQUIREMENTS WITH SUPPLIER PRIOR TO SUBMITTING BID FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

AS2. THE BUILDING AUTOMATION SYSTEM ALSO HAS ADDITIONAL OPTIONS AVAILABLE SUCH AS MONITORING DOOR CONTACTS (RESTROOM & COOLER FREEZER), ENERGY METER, COOLER/FREEZER TEMP. ADDITIONAL OPTIONS MAY BE SELECTED ON CENTRAL PURCHASING PROJECT DETAIL FORM. G.C., M.C., T.C.C. AND E.C. SHALL COORDINATE ALL EXACT INSTALLATION REQUIREMENTS WITH SUPPLIER PRIOR TO SUBMITTING BID FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.

AS3. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LINE AND LOW VOLTAGE WIRING AND CONNECTIONS, INCLUDING BUT NOT LIMITED TO CONTROL POWER TO ALL BAS COMPONENTS AND POWER CIRCUITRY WIRING OF ALL LIGHTING CONTACTORS. COORDINATE INSTALLATION WITH SITE SPECIFIC BAS INSTALLATION DETAILS PROVIDED BY SUPPLIER.

BUILDING AUTOMATION SYSTEM

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



CONTROLS SCHEDULE

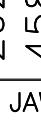
MARK	DESCRIPTION	MANUFACTURER	MODEL
TS	TEMPERATURE SENSOR	*PROVIDED WITH BAS	
ATS	AVERAGING TEMPERATURE SENSOR	*PROVIDED WITH BAS	
HS	HUMIDITY SENSOR	*PROVIDED WITH BAS	

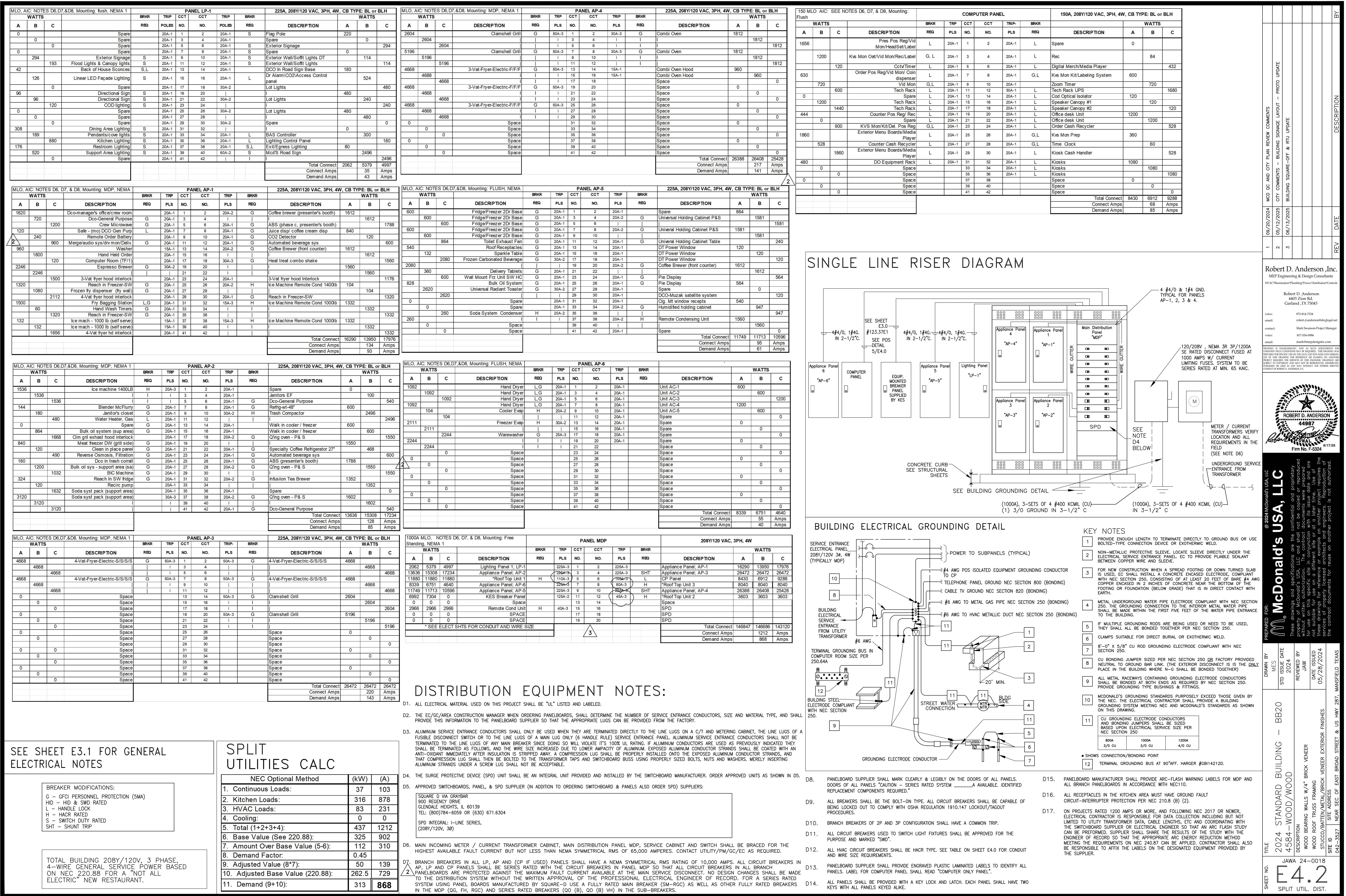
WIRE LEGEND

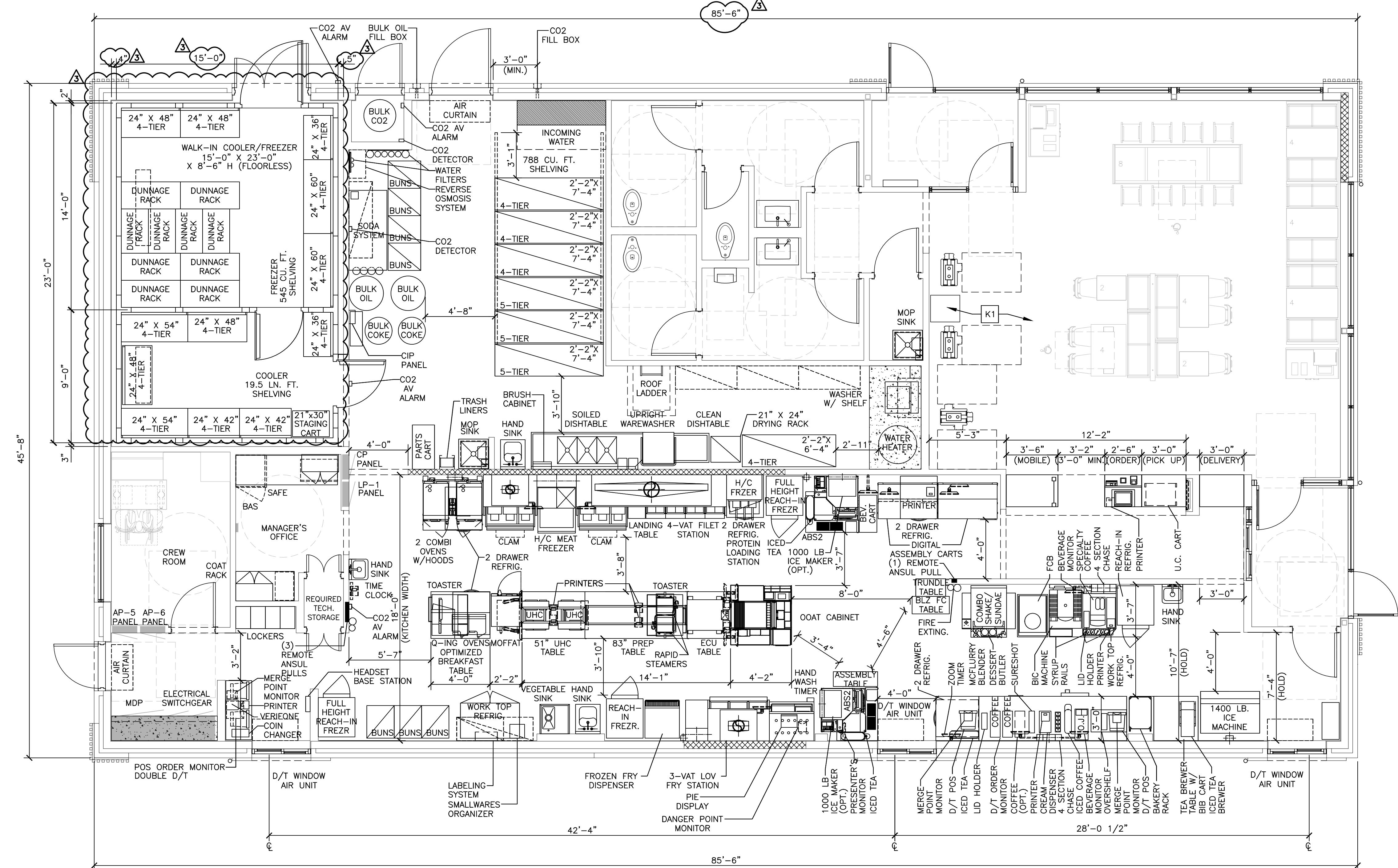
MARK	WIRE/CABLE TYPE
_____ - _____	CAT 5E
_____	18 AWG CONDUCTORS



McDonald's USA, LLC

2024 STANDARD BUILDING - BB20		STD ISSUE DATE 2024	REVIEWED BY JAW	DATE ISSUED 05/28/2024
DESCRIPTION WOOD BEARING WALLS W/4" BRICK VENEER WOOD ROOF TRUSS FRAMING STUCCO/BATTEN/METAL/BRICK VENEER EXTERIOR FINISHES				
SITE ID 042-3527	SITE ADDRESS NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS			
JAWA 24-0018				
 4  1				
LIGHTING CONTROLS				





KITCHEN COVER SHEET

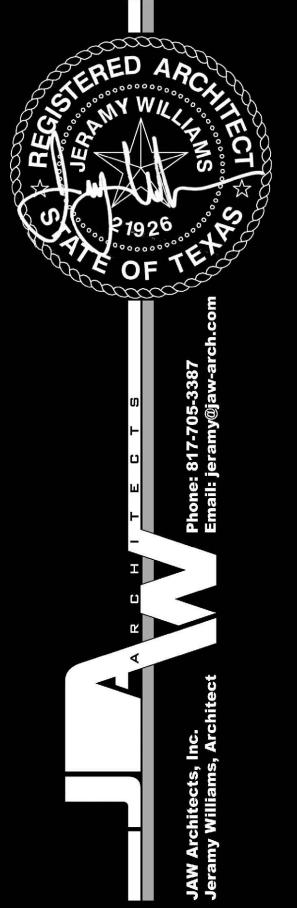
KEYED NOTES

K1 CUSTOMER KIOSK & DECOR LAYOUT FOR
REFERENCE ONLY. VERIFY KIOSK PLACEMENT PER
USRD APPROVED KIOSK REVIEW

KEYED NOTES

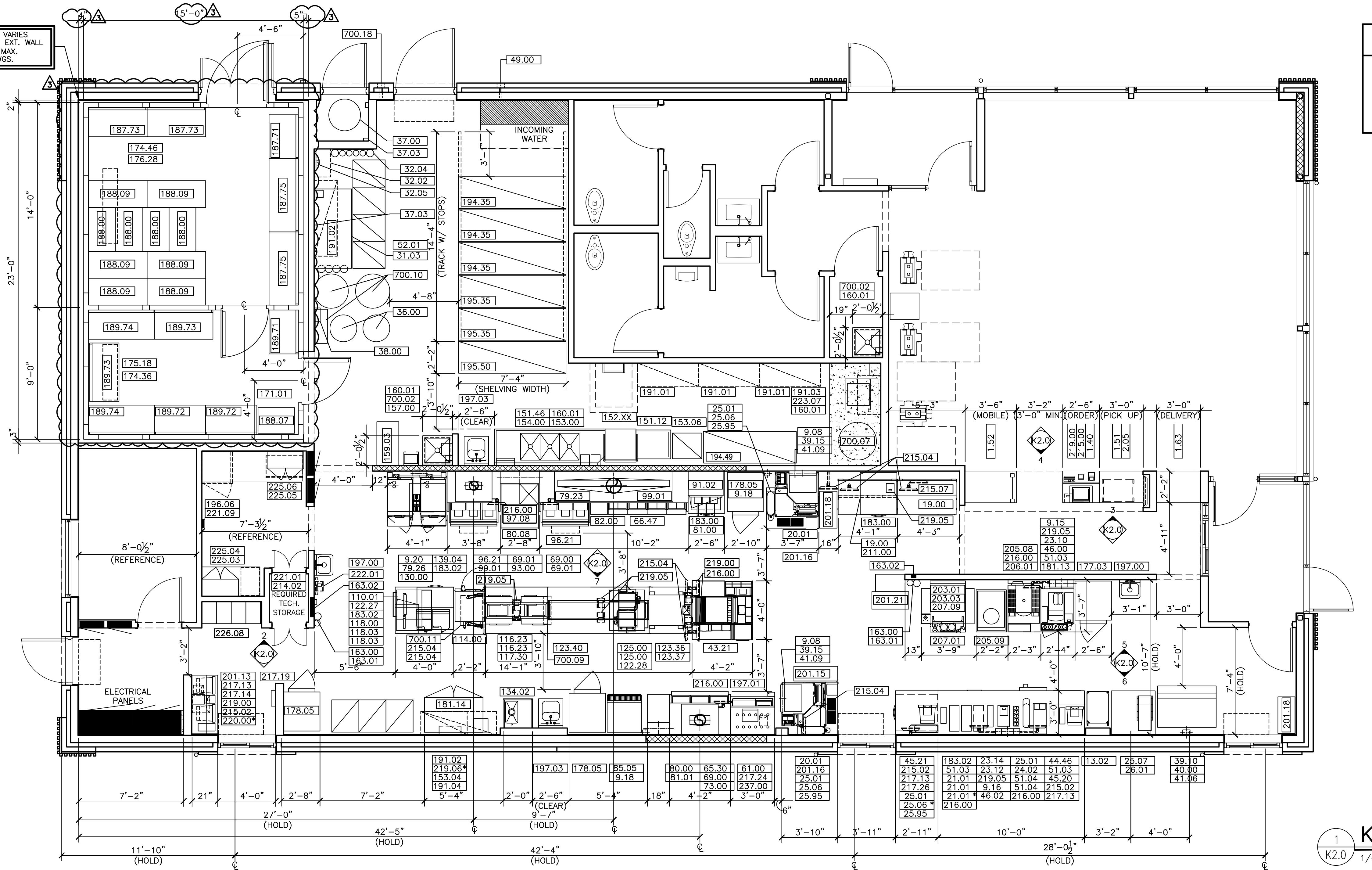
K1

CUSTOMER KIOSK & DECOR LAYOUT FOR
REFERENCE ONLY. VERIFY KIOSK PLACEMENT PER
USRD APPROVED KIOSK REVIEW



		MCD QC AND CITY PLAN REVIEW COMMENTS
1	09/20/2024	
2	05/12/2025	CITY COMMENTS – BUILDING SIGNAGE LAYOUT – PROTO UPDATE
3	06/13/2025	BUILDING SQUARE-OFF & RTU UPDATE

2024 STANDARD BUILDING – BB20		STD ISSUE DATE 2024	REVIEWED BY JAW	DATE ISSUED 05/28/2024	REV DATE	DESCRIPTION
4584-WOOD/WOOD		DESCRIPTION	WOOD BEARING WALLS W/4" BRICK VENEER	WOOD ROOF TRUSS FRAMING	PHONE: 817-705-3387 EMAIL: jeremy@jaw-arch.com	JAW Architects, Inc. Jeremy Williams, Architect
SITE ID 042-3527	SITE ADDRESS NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS	McDonald's USA, LLC				
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K1.0 KITCHEN COVER SHT						
JAWA 24-0018						



DRAWING NOTES

- DIMENSIONS SHOWN ARE TAKEN TO FACE OF WALL FINISH
INDICATES OPTIONAL EQUIPMENT
TO VERIFY ALL BLOCKING FOR WALL MOUNTED EQUIPMENT AS
SHOWN BY GENERAL NOTE 9 ON A1.1 PRIOR TO INSTALLATION

SEE SHEET K2.1 FOR
EQUIPMENT SCHEDULE

2024 STANDARD BUILDING — BB20		JAW	STD ISSUE DATE 2024
4584—WOOD/WOOD		REVIEWED BY JAW	DATE ISSUED 05/28/2024
DESCRIPTION	WOOD BEARING WALLS W/4" BRICK VENEER WOOD ROOF TRUSS FRAMING STUCCO/BATTEN/METAL/BRICK VENEER EXTERIOR FINISHES	SITE ID 042-3527	SITE ADDRESS NEAR SEC OF EAST BROAD STREET & US HWY 287, MANSFIELD TEXAS
		REV	DATE BY
M McDonald's USA, LLC  <p>These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site in conjunction with its issue date and are not suitable for use on a different site or at a later time. Use of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.</p>			

EQUIPMENT SCHEDULE										EQUIPMENT SCHEDULE									
X	QTY	DESCRIPTION	MANUFACTURER	MODEL #	UL	NSF	FURNISHED	GENERAL REMARKS	SPECIAL REQUIREMENTS	X	QTY	DESCRIPTION	MANUFACTURER	MODEL #	UL	NSF	FURNISHED	GENERAL REMARKS	SPECIAL REQUIREMENTS
1.40	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	PICKUP POD - 36"	DECOR	SEE PLAN	-	2	GC	-		183.02	3	REFRIGERATOR/FREEZER - 2 DRAWER BASE - 30" W X 30" H	KES	18021304	SA4044	7	KES	-	
1.52	1	PICKUP POD - 42"	DECOR	SEE PLAN	-	2	GC	-		187.71	1	FREEZER SHELVING 24" x 36" x 74" H. - 4-TIER	ISS SHELVING	FSMS/FSMA742436E	-	2	KES	-	
1.63	1	McDELIVERY PICKUP COUNTER	DECOR	SEE PLAN	-	2	GC	-		187.73	2	FREEZER SHELVING 24" x 48" x 74" H. - 4-TIER	ISS SHELVING	FSMS/FSMA742448E	-	2	KES	-	
2.05	1	UNDER COUNTER CART - 24"W x 18"D FRONT COUNTER	INTERMETRO	UC18-DMS	-	2	KES	-		187.75	2	FREEZER SHELVING 24" x 60" x 74" H. - 4-TIER	ISS SHELVING	FSMS/FSMA742460E	-	2	KES	-	
9.08	2	UTILITY CHASE - ICE MAKER ON ABS VERSION	KES	5"x8"x23"	-	2	KES	CONCEALS WATER AND CONDENSING UNIT LINES		188.00	1	DUNNAGE RACK 22" x 36"	INTERMETRO	HP2236PD	-	2	KES	-	
9.15	1	UTILITY CHASE - FFD INTERIOR WALL	KES	20"x5"x76"	-	2	KES	4 SECTION CHASE FOR BUYOUT RECEPTACLES, POS, CO2 AND WATER		188.07	1	UNIVERSAL STAGING CART	ISS SHELVING	WST1384X	-	2	KES	-	
9.16	1	UTILITY CHASE - FFD EXTERIOR WALL	KES	20"x5"x76"	-	2	KES	4 SECTION CHASE FOR BUYOUT RECEPTACLES, POS AND WATER		188.10	1	COOLER SHELVING 24" x 36" x 74" H. - 4-TIER	ISS SHELVING	FSMS/FSMA742436E	-	2	KES	-	
9.18	2	UTILITY CHASE - WALL VERSION	KES	4"x4"x82"	-	2	KES	CHASE FOR BULK OIL LINES, MOUNT AT 2'-0"		188.73	2	COOLER SHELVING 24" x 48" x 74" H. - 4-TIER	ISS SHELVING	FSMS/FSMA742448E	-	2	KES	-	
9.20	1	UTILITY CHASE - COMBI CELL	KES	4"x8"x84"	-	2	KES	CHASE FOR BUYOUT RECEPTACLES AND WATER		188.74	2	COOLER SHELVING 24" x 54" x 74" H. - 4-TIER	ISS SHELVING	FSMS/FSMA742454E	-	2	KES	-	
13.02	1	BAKERY RACK	KRISPY KREME	18"x26"x65"	-	2	SUPPLIER	-		190.00	1	VALANCE SHELVING - 18" x 48"	INTERMETRO	M1848C-MP	-	2	KES	-	
19.00	2	DIGITAL ASSEMBLY CART - 48"	INTERMETRO	MCDDAC-48	-	2	KES	-		191.01	3	VALANCE SHELVING - 18" x 48"	INTERMETRO	M1848C-MP	-	2	KES	OUNT AT 5'-0" AFF TO SHELF BOTTOM UNLESS OTHERWISE NOTED	
20.01	2	AUTOMATED BEVERAGE SYSTEM 2.0	IMI CORNELIUS	621058590LON	-	-	KES	INSTALLATION KIT INCLUDES STAINLESS STEEL CHASE & DATA LINE		191.02	2	VALANCE SHELVING - 18" x 60"	INTERMETRO	M1860C-MP	-	2	KES	OUNT AT 6'-6" AFF TO SHELF BOTTOM UNLESS OTHERWISE NOTED	
21.01	3	COFFEE BREWER (THERMAL POTS)	BUNN-O-MATIC	AXIOM-DV-3	E32066	4	KES	W/ELECTRONIC CONTROLLER FOR CONVERSION TO LOW OR HIGH VOLTAGE		191.03	1	VALANCE SHELVING - 18" x 30"	INTERMETRO	M1830C-MP	-	2	KES	OUNT AT 5'-0" AFF TO SHELF BOTTOM FOR ABOVE WASHER APPLICATION	
23.10	1	ESPRESSO BREWER	FRANKE	FM850	-	4	KES	-		191.04	1	VALANCE SHELVING - 18" x 36"	INTERMETRO	M1836C-MP	-	2	KES	OUNT AT 5'-0" AFF TO SHELF BOTTOM -W/ST STL LINER FOR SALAD EQUIP	
23.12	1	COFFEE CREAM DISPENSER	SURESHOT	AC110-PC-51	E217698	20	KES	-		194.35	3	DRY SHELVING 26" x 88" x 84" H. - 4-TIER - MOBILE	DENSTOR	-	-	2	KES	-	
23.14	1	SUGAR/SWEETENER DISPENSER	SURESHOT	AC2-GP-1-G38	E217698	18	KES	-		194.49	1	DRY SHELVING 26" x 76" x 84" H. - 4-TIER - DENSTOR	DENSTOR	-	-	2	KES	-	
24.02	1	JUICE DISPENSER	BUNN-O-MATIC	JDF-2S	-	18	KES	-		195.35	2	DRY SHELVING 26" x 88" x 84" H. - 5-TIER - DENSTOR	DENSTOR	-	-	2	KES	-	
25.01	4	SIMLINE ICED BEVERAGE DISPENSER	BUNN-O-MATIC	TDO-N	E32066	4	KES	KES TO VERIFY EXACT QUANTITY PER MARKET		195.50	1	DRY SHELVING 26" x 88" x 84" H. - 5-TIER - DENSTOR	DENSTOR	-	-	2	KES	-	
25.06	3	SIMLINE ICED BEVERAGE DISPENSER - SHORT	BUNN-O-MATIC	TDO-N LP	E32066	4	KES	KES TO VERIFY EXACT QUANTITY PER MARKET		196.06	1	SAFE - STANDARD BLDG. - LEFT HINGE	NKL	BSD4125FGXL-MC	-	-	OWNER	-	
25.07	1	INFUSION TEA BREWER - MID	BUNN-O-MATIC	ITCB-DV	E32066	4	KES	PROVIDED WITH BREWER, INSTALLATION KIT AND TDO-N BOOSTER		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	
25.95	3	SIMLINE ICED BEVERAGE DISPENSER - 2 TIER	KES	-	-	2	KES	-		197.01	1	HAND WASH TIMER	NATIONAL CONTROLS	TMD-T1175-120	E53595	-	KES	-	
26.01	1	TEA BREWER TABLE - 36"X36"	ISS SHELVING	WST1758C	-	2	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	
31.03	1	SODA SYSTEM PACKAGE B.I.B. (RECIRCULATING - 3 TOWERS) - REMOTE	50MR04	SA44632	18	KES	-		201.13	1	DRIVE-THRU CASH STAND - 21" D x 48" W	INTERMETRO	DT48-B	-	2	KES	SOLID WORK TOP, WIRE SHELVES		
32.02	1	REVERSE OSMOSIS WATER FILTRATION SYSTEM - TANKLESS	EVERPURE	MRS-600HE	-	-	KES	FOR COFFEE MAKER, ESPRESSO MACHINE, AND RAPID BUN STEAMER		201.15	1	READY NEXT DRIVE-THRU ASSEMBLY CART - 12" D x 36" W	INTERMETRO	DTPC-36	-	2	KES	-	
32.04	1	WATER FILTRATION SYSTEM	EVERPURE	EV9337-26	-	-	KES	-		201.16	2	DRIVE-THRU ABS CART	KES	-	-	2	KES	ABS DRINK STAGING CART WITH TROUGH	
32.05	1	WATER FILTRATION SYSTEM	EVERPURE	EV92972-24	-	-	KES	-		201.18	2	CBP STAGING CART	INTERMETRO	MCD-CBB	-	2	KES	-	
36.00	2	BULK COKE	CHART INDUSTRIES	10667511	-	18	MANUFACTURER	SYRUP LINES BY CHART INDUSTRIES		202.01	1	BLZ FRONT COUNTER TABLE - 30" D x 14" W	INTERMETRO	MCD1430-BLZM	-	2	KES	W/ CASTERS AND OVERSHELF	
37.00	1	BULK CO2 - 750 LB.	CHART INDUSTRIES	CARBO-MAX 750	-	-	MANUFACTURER	-		203.01	1	HEAT TREAT COMBINATION SHAKE/SUNDAE MACHINE	CARPIGNANI	K3	S42023	6	KES	SUPPLIED WITH CONE DISPENSER AND 7'-6" LONG CORD	
37.03	2	CO2 SAFETY SYSTEM	SEE RMKS	-	-	18	MANUFACTURER	SEE MECHANICAL DRAWINGS	INCLUDES DETECTOR AND (4) AV ALARMS	203.03	2	CUP/CONE DISPENSER	KES	-	-	2	KES	-	
38.00	1	CLEAN IN PLACE PANEL	CHART INDUSTRIES	10667431	-	-	MANUFACTURER	MOUNT 6" W x 7" H. BOX @ 6'-0" AFF TO BOX CENTER LINE		205.08	1	BIC MACHINE	MULTIPLEX	MA-8-2	SA12070	6	KES	-	
39.10	1	ICE MACHINE - 1400 LB.	MANITOWOC	IYT1500N3 / D970	SA4027	12	KES	USE HEADMASTER KIT K0221		205.09	1	FROZEN BEVERAGE DISPENSER	IMI CORNELIUS	VIPER 3	SA2128	6	KES	-	
39.15	2	ICE MACHINE - 1000 LB.	MANITOWOC	IBT1020C-161	SA4027	12	KES	CONDENSER: CVDT1200		206.01	1	SPECIALTY BEVERAGE STANDOFF SHELF	KES	-	-	2	KES	MOUNT SHELF @ 2'-6" AFF	
40.00	1	ICE MACHINE CHASE	KES	4"x6"x48"	-	2	KES	CONCEALS WATER AND CONDENSING UNIT LINES		207.01	1	BLENDER - RAIL MOUNT - MCFLURRY	VITAMIX	056385	-	8	KES	SUPPLIED MOUNTING BRACKETS	
41.06	1	ICE MACHINE REMOTE CONDENSER - 1400 LB.	MANITOWOC	JCT-1500	SA4027	12	KES	-		207.09	1	DESSERT BUTLER	KES	-	-	2	KES	-	
41.09	2	ICE MACHINE REMOTE CONDENSER - 1000 LB.	MANITOWOC	CVDT1200-263A	SA4027	12	KES	-		207.24	1	DANGER POINT MONITOR (DOUBLE DRIVE-THRU)	DENSTOR	-	-	1	KES	DELIVERY PARTNER	QUANTITY DEPENDENT UPON NUMBER OF DELIVERY PARTNERS
43.21	1	OPTIMIZED ORDER ASSEMBLY TABLE	KES	90001	E152097	2	KES	-		214.02	1	TECHNOLOGY RACK	BY OWNER	OEM	-	OWNER	V.I.F. EXACT LOCATION FOR NETWORK RACK		
44.46	1	SMALL RISER SHELF - 18" x 30"	FRANKE	18006010	-	2	KES	-		215.00	1	POS REGISTER - FRONT COUNTER	BY OWNER	OEM	-	OWNER	INCLUDES MONITOR AND CPU		
45.20	1	MODULAR BEVERAGE CABINET - 10"-0"	KES	-	-	2	KES	-		215.02	4	POS REGISTER - 2 WINDOW D/T	BY OWNER	OEM	-	OWNER	INCLUDES MONITOR AND CPU		
45.21	1	BEVERAGE CABINET - DRIVE-THRU TABLE 35"	KES	-	-	2	KES	-		215.04	8	POS - KVS MONITOR	BY OWNER	OEM	-	OWNER	-		
46.00	1	CUP DISPENSER VERTICAL 3 CUP	KES	-	-	2	KES	-		2									