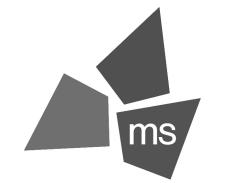
PERMIT SET

6/29/22



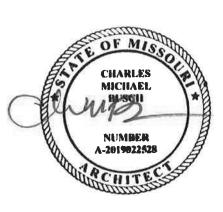
OWNER	ARCHITECT	CIVIL ENGINEER	STRUCTURAL ENGINEER	MEP ENGINEER	LANDSCAPE ARCHITECT
WHATABURGER	ms consultants, inc				
300 CONCORD PLAZA DRIVE	2221 SCHROCK RD.				
SAN ANTONIO, TEXAS 78216	COLUMBUS, OH 43229				



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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

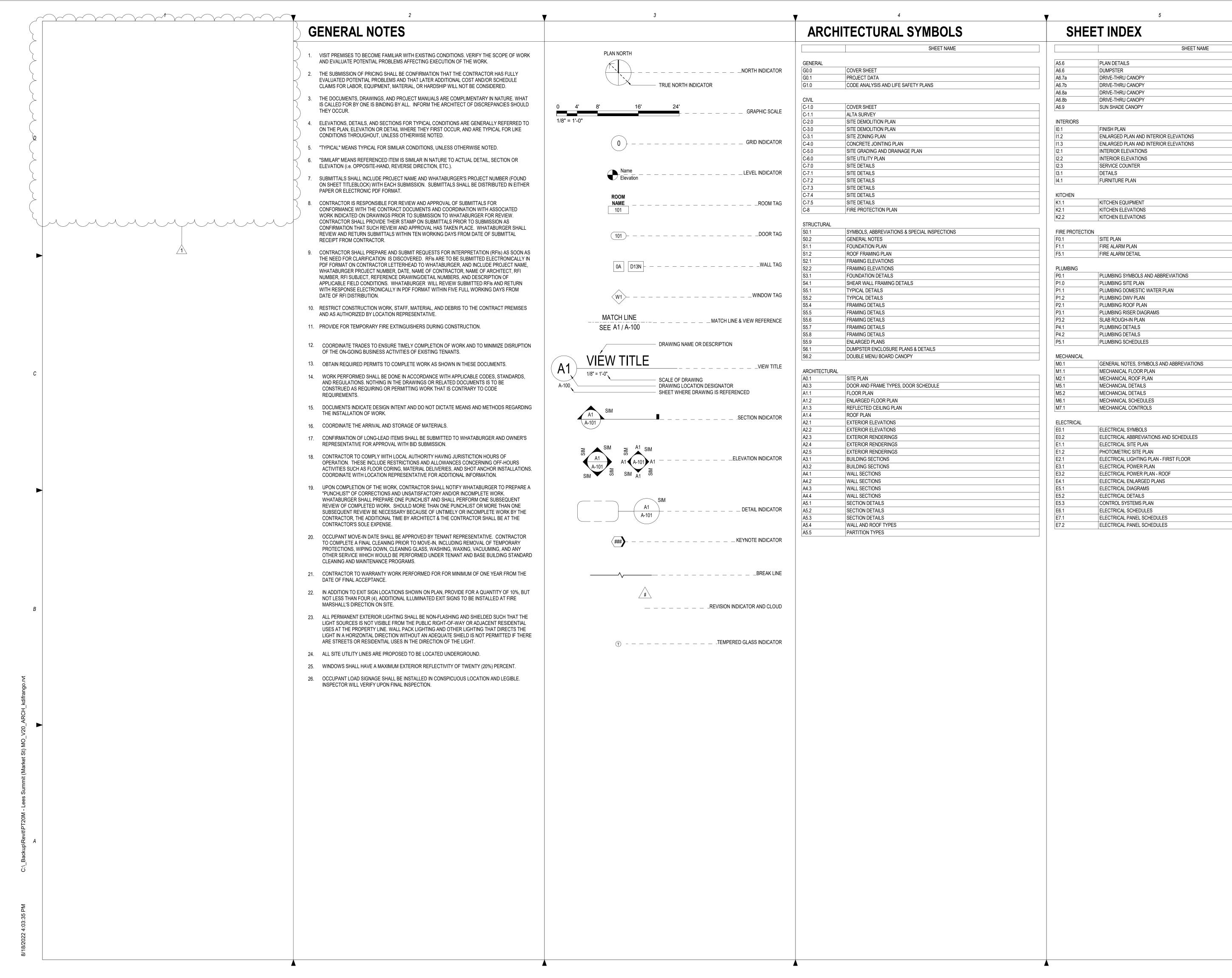
	REV	DESCRIPTION	DATE
	1	DEVELOP. SERVICES	8/18/22

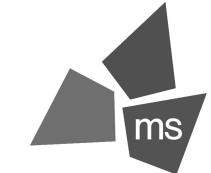
Project No.: 40497-21 Client Project No.:

Drawing Title:

COVER SHEET

ate:	06.29.22	Phase:	PERMIT SET
esigned:	WB	Drawing No.:	
	0) #		





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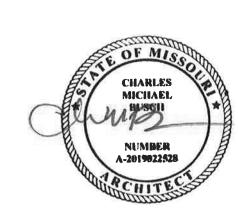
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E: PT20M **1W 150 AND YWOOD ST**

NEQ HW HOLLYW



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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

	REV	DESCRIPTION	DATE
	1	DEVELOP. SERVICES	8/18/22

Project No.: 40497-21

Client Project No.:

Drawing Title:

PROJECT DATA

Date: 06.29.22 Phase: PERMIT SET

Designed: WB Drawing No.:

Drawn: BKN
Checked: AMF

G0.1

JURISDICTION	CITY	COUNTY		STATE
CODE ENFORCEMENT	CITY OF LEE'S SUMMIT	JACKSON		MISSOURI
ZONING	PI - PLANNED INDUSTRIAL			USA
CODE	TITLE	EDITION	AMENDMENTS	REMARK
BUILDING	INTERNATIONAL BUILDING CODE	2018	-	
FIRE	INTERNATIONAL FIRE CODE	2018	-	
MECHANICAL	INTERNATIONAL MECHANICAL CODE	2018	-	
ELECTRICAL	NATIONAL ELECTRICAL CODE	2017	-	
PLUMBING	INTERNATIONAL PLUMBING CODE	2018	-	
LANDSCAPE	LOCAL LANDSCAPE ORDINANCE	YES	-	
ENERGY	NONE		-	
SIGNAGE	LOCAL SIGNAGE ORDINANCE	YES	-	
ADA	ICC/ANSI A117.1	2009	-	
HEALTH	LOCAL HEALTH REQUIREMENTS	YES	-	

USE AND OCCUPANCY CLASSIFICATION				IBC 2012	SECTION 302
	USE GROUP	CONSTRUCTION TYPE	FIRE PROTECTION	MIXED USE	ADEA (CE)
	303.3	TABLE 601	903.2.1.2	SECTION 508.3	AREA (SF)
CLASSIFICATION	ASSEMBLY GROUP A-2	VB	SPRINKLERED	MAJOR OCCUPANCY A-2 NON SEPARATED OCC.	.3 /4h
ACTUAL BUILDING AREA					3,746
MIXED USE	ASSEMBLY, STORAGE	E, BUSINESS			

GENERAL BUILDING SUMMARY			IBC 2015	TABLE 504.3
BUILDING HEIGHT LIMITATIONS	STORIES	BUILDING AREA LIMITATIONS (PER FL	OOR)	AREA (SF)
ALLOWABLE HEIGHT LIMITATION	1 STORY, 40'	ALLOWABLE AREA LIMITATION		6,000
ALLOWABLE HEIGHT INCREASE (SPRINKLER SYS.)	1 STORY, 20'	ALLOWABLE AREA		300%
OTHER	HER N/A ALLOWABLE AREA INCREASE (SEPA		ATION)	N/A
TOTAL ALLOWABLE HEIGHT	60'	TOTAL ALLOWABLE AREA		24,000
ACTUAL HEIGHT (IN STORIES)	1 STORY, 21'-0"	ACTUAL BUILDING AREA		3,746

FIRE RESISTANCE RATINGS	AUTOMATIC SPRIN	KLER SYSTEM	IBC 2015	TABLE 601	
BUILDING ELEMENT	RATING (HOURS)	DESIGN NO.	REMA	I RKS	
STRUCTURAL FRAME	0		TABL	E 601	
BEARING WALLS: EXTERIOR	0		TABL	E 601	
BEARING WALLS: INTERIOR	0		TABL	E 601	
NONBEARING WALLS: EXTERIOR	0		TABL	TABLE 602	
NONBEARING WALLS: INTERIOR	0		TABL	TABLE 601	
FLOOR CONSTRUCTION	0			1	
ROOF CONSTRUCTION	0				
CORRIDORS	0		TABLE	1018.1	
OPEN EGRESS STAIRS	N/A				

FIRE RESISTANCE RAITINGS FO	IBC 2015	TABLE 602		
MINIMUM FIRE RESISTANCE RATING	MINIMUM FIRE SEPARATION	ACTUAL FIR	E SEPARATION	
0	X≥30	X≥	30	
OCCUPANT LOAD			IBC 2015	TABLE 1004.1.2

OCCUPANCY	AREA (SF)	FACTOR	LOAD (OCCUPANTS)	REMARK	(S
STORAGE	708	300 SF	3		
BUSINESS	59	100 SF	1		
COMMERCIAL KITCHEN	886	200 SF	5		
FLEX SEATING	-	ACTUAL	35		
FIXED SEATING	-	24" PER PERSON	41	984 LINEAR INCHES OF	SEATING
WAITING	224	15 SF	15	224 SF	
RESTROOMS	202	0 NET			
TOTAL	2140		100		

MEANS OF EGRESS			IBC 2015	CHAPTER 10
EGRESS WIDTH	FACTOR (INCHES PER OCCUPANT)	REQUIRED (INCHES)	PROVIDED (INCHES)	REMARKS
DOORS, RAMPS, COORIDORS	0.2	20	150	1005.3.2
EXIT ACCESS REQUIREMENTS		MINIMUM UNITS	PROVIDED UNITS	REMARKS
MINIMUM NUMBER OF EXITS		2	3	1006.3.1
MINIMUM CORRIDOR WIDTH (INCHES)		44	44	1020.2
STORE MINIMUM EXIT SEPARATION (F	EET)	32	41	1007.1.1
MAXIMUM LENGTH OF EXIT ACCESS TRAVEL (FEET)		250	<250	1017.2
MAXIMUM DEAD ENDS: (FEET)		20	<20	1029.9.5
MAXIMUM COMMON PATH OF EGRESS	TRAVEL (FEET) IN B OCCUPANCY	100	<75	1006.2.1
MAXIMUM COMMON PATH OF EGRESS	TRAVEL (FEET) IN A OCCUPANCY	30	<30	1029.8

INTERIOR FINISHES	IBC 2015	TABLE 803.1		
MAXIMUM FLAME SPREAD CLA	SS WALLS/CEILINGS	GS REMARKS		
EXIT PASSAGEWAYS	В	TABLE 803.11		
COORIDORS B TABLE 803.11				
ROOMS AND ENCLOSED SPACES	С	C TABLE 803.11		

	PLUMBING FIXTURE COUNT				IPC 20)15	TABLE 403.1
	TOTAL STORE OCCUPANT LOAD	100	MEN	50	WOMEN	50	REMARKS
	FIXTURE TYPE	FACTOR PER OCCUPANT	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
	WATER CLOSET	75	1	1	1	2	
_	URINALS	50% MAY BE URINAL	N/A	N/A	N/A	N/A	
	LAVATORIES	200	1	1	1	1	
	UNISEX TOILET (REQUIRED IF 6 OR MORE WC ARE REQUIRED)	N/A	0		0		
٦	SERVICE SINKS	1 REQUIRED			1		
	DRINKING FOUNTAINS	EXEMPT		SECTION 410.4			

- 1. PERFORM WORK IN COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY, FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
- NOT USED.
- COORDINATE ALL TRADES PRIOR TO CONSTRUCTION TO ENSURE PROPER SEQUENCING OF THE WORK.

 VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING, FABRICATION AND CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR
- CLARIFICATION. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES FOR CLARIFICATION.
- DIMENSIONS UNLESS NOTED OTHERWISE:
- TO FACE OF WOOD STUD, CONCRETE OR MASONRY WORK; TO CENTERLINE OF COLUMNS OR OTHER GRID POINTS TO CENTERLINE FRAMES WINDOW AND DOOR OPENINGS; TO FINISH FACES OF CLEAR WIDTHS.
- VERIFY SIZE, CHARACTERISTICS, AND REQUIRED CLEARANCES OF ALL EQUIPMENT TO BE FURNISHED WITH MANUFACTURERS OR SUPPLIERS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.

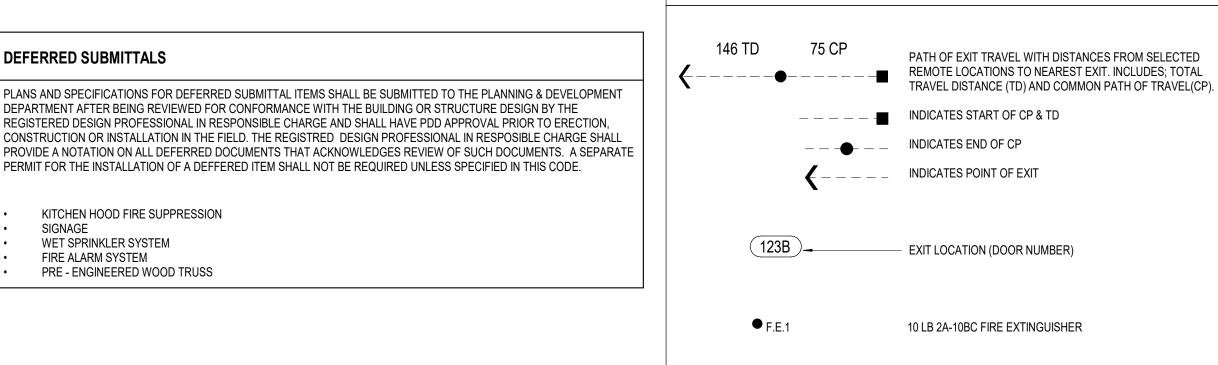
CANOPY ABOVE

(32) (33) (34) (35)

- PROVIDE BLOCKING AND GROUNDS AS SPECIFIED FOR BUILT-IN AND SURFACE MOUNTED ITEMS PRIOR TO APPLYING WALL-SURFACING MATERIALS. LOCATIONS SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES.
- CONCEAL ALL PLUMBING, DUCTWORK, CONDUIT, WIRE, AND SIMILAR ITEMS UNLESS NOTED OTHERWISE.

LIFE SAFETY PLAN LEGEND

• F.E.2





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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

REV	DESCRIPTION	DATE
	REV	REV DESCRIPTION

Project No.: 40497-21

CODE ANALYSIS AND LIFE

Phase: PERMIT SET Date: 06.29.22

Drawing No.: G1.0 Checked: AMF



WAITING AREA: 224 SF FIRE RISER: 25 SF ASSEMBLY WITH FIXED SEATS: 1,140 SF STORAGE: 708 SF KITCHENS, COMMERCIAL: 885 SF

10 LB K-GUARD FIRE EXTINGUISHER

EXIT SIGN

BUSINESS: 59 SF RESTROOMS: 202 SF r-----______ CANOPY ABOVE AREA #1

COOLER TD B: 103'\ _ WÓMEN STORAGE

CANOPY ABOVE

100A

TD A: 45'

DEFERRED SUBMITTALS

KITCHEN HOOD FIRE SUPPRESSION

PRE - ENGINEERED WOOD TRUSS

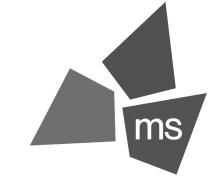
WET SPRINKLER SYSTEM

FIRE ALARM SYSTEM

Client Project No.: Drawing Title:

SAFETY PLANS

Designed: WB Drawn: BKN



REFERENCED STANDARD

ACI 318: 3.5, 7.1-7.7

AWS D1.4, ACI 318: 3.5.2

ACI 318: 3.8.6, 8.1.3, 21.2.8

ASTM C 172, ASTM C31, ACI 318: 5.6, 5.8

ACI 318: CH. 4, 5.2-5.4

ACI 318: 5.9, 5.10

ACI 318: 5.11-5.13

ACI 318: 6.1.1

AISC 360 CH. N

AISI 240 CH. D

ACI 318: 6.2

ACI 318: 8.1.3, 21.2.8

IBC REFERENCE

1910.4

1909.1

1910.10

1910.9

1908.5, 1909.1

1904.2, 1910.2, 1910.3

1910.6, 1910.7, 1910.8

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0 SUMMIT

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HOLLYWOOD ST LEE'S SUMMIT, MO (



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PROFESSIONAL OF RECORD: CRAIG E. METZGER NO. 2019031268 EXP DATE: 12/31/23

REV	DESCRIPTION	DATE

40497-21 Project No.: Client Project No.:

Drawing Title:

SYMBOLS, ABBREVIATIONS & SPECIAL INSPECTIONS

PERMIT SET Date: 06.29.2022 Phase: Designed: DMS Drawing No.: Drawn: CLS Checked: CEM

INCH (-ES)

INTERIOR

INFORMATION

INFO

INT

WEIGHT, STRUCTURAL TEE CUT FROM WIDE

WITH

W/O

WITHOUT

WORK POINT

FLANGE BEAM

FOUNDATION NOTES

GEOTECHNICAL REPORT.

- REFER TO THE GEOTECHNICAL REPORT AND SPECIFICATIONS FOR GENERAL REQUIREMENTS OF EARTHWORK, OVER
- ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI 318: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, LATEST EDITION
- AISC 360: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION

ASCE 7-16: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES

- AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION
- AISI 2007: SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
- AMERICAN WELDING SOCIETY, WELDING CODES

GENERAL NOTES

A. 2018 INTERNATIONAL BUILDING CODE

BUILDING AND DESIGN CODES:

- TMS 402/ACI 530/ASCE 6: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, LATEST EDITION
- NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION, LATEST EDITION

OCCUPANCY CATEGORY

- LIVE LOADS: A. FLOOR 100 PSF
- ROOF 20 PSF

WIND LOADS

- BASIC WIND SPEED (3 SECOND GUST) 115 MPH (ULTIMATE)
- IMPORTANCE FACTOR, I
- C. EXPOSURE CATEGORY
- INTERNAL PRESSURE COEFFICIENT, GCpi +/- 0.18
- DESIGN WIND PRESSURES (COMPONENTS & CLADDING

		SURF	ACE PRESSURE	(PSF)
		10 SF AREA	20 SF AREA	50 SF AREA
ROOF ZONES	1. INTERIOR	+16.0 / -46.8	+16.0 / -73.4	+16.0 / -73.4
ZONES	2. END	+16.0 / -44.1	+16.0 / -69.7	+16.0 / -69.7
	3. CORNER	+16.0 / -38.0	+16.0 / -61.2	+16.0 / -61.2
WALL ZONES	4. INTERIOR	+32.0 / -32.0	+32.0 / -32.0	+29.4 / -30.3
ZOINES	5. END	+32.0 / -58.6	+32.0 / -58.6	+29.4 / -51.8

(+) VALUES INDICATE PRESSURES TOWARDS THE BUILDING. (-) VALUES INDICATE PRESSURES AWAY FROM THE

ENVELOPE PROCEDURE FOR LOW-RISE BUILDINGS

FOR SMALLER TRIBUTARY AREAS, LOADS WILL BE LARGER THAN SHOWN. CALCULATE PER CODE REQUIREMENTS. WIDTH OF END ZONES

ANALYSIS PROCEDURE

THERMAL FACTOR, C

- A. GROUND SNOW LOAD, Pa 20 PSF
- SNOW EXPOSURE FACTOR, Ce IMPORTANCE FACTOR, I

SEISMIC LOADS:

- IMPORTANCE FACTOR, I
- RISK CATEGORY MAPPED SPECTRAL RESPONSE ACCELERATIONS $S_S = 0.101$ $S_1 = 0.069$
- D. SITE CLASS DESIGN SPECTRAL RESPONSE ACCELERATIONS
- $S_{D1} = 0.069$
- F. SEISMIC DESIGN CATEGORY G. BASIC SEISMIC FORCE RESISTING SYSTEM N/S DIRECTION: STEEL ORDINARY MOMENT FRAME E/W DIRECTION: PLYWOOD SHEAR WALLS
- DESIGN BASE SHEAR $V = Cs \times W$ SEISMIC RESPONSE COEFFICIENT $N/S: C_S = 0.025$
- $E/W: C_S = 0.011$ RESPONSE MODIFICATION FACTOR N/S: R = 3.5E/W: R = 6.5
- K. ANALYSIS PROCEDURE **EQUIVALENT LATERAL FORCE PROCEDURE**

GENERAL REQUIREMENTS

- SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS AND MUST BE USED IN CONJUNCTION WITH THE DRAWINGS. WHERE REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS DIFFER FROM THE SPECIFICATIONS,
- VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY A/E OF DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE OF WORK.
- VERIFY WITH OTHER DISCIPLINE DRAWINGS THE LOCATION OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS, PADS, AND WALL OPENINGS.
- DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.
- DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH LOCATION. NOTIFY A/E OF CONFLICTS REGARDING APPLICABILITY OF "TYPICAL DETAILS".
- DO NOT LOAD THE SLAB-ON-GRADE OR SUPPORTED SLAB WITH ERECTION CRANES OR ERECTION EQUIPMENT. THE SLABS HAVE NOT BEEN DESIGNED FOR CRANE LOADS AND WILL REQUIRE AN INCREASE IN THICKNESS AND/OR REINFORCEMENT. SUBMIT FOR A/E REVIEW A PROPOSED CRANE SUPPORT PLAN FOR SLABS PRIOR TO COMMENCING WORK.
- DO NOT STORE OR STACK CONSTRUCTION MATERIALS ON SUPPORTED SLABS, ELEVATED FLOORS, OR ROOFS IN EXCESS OF 80 PERCENT OF LIVE LOAD. GENERAL CONTRACTOR WILL BE RESPONSIBLE AND ENSURE THAT ALL SUB-CONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT. AVOID IMPACT WHEN PLACING MATERIALS ON POURED OR ERECTED FLOORS OR ROOF.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS INDICATED OTHERWISE, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS AS REQUIRED.
- PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON DRAWINGS. EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR THE REQUIRED OPENINGS AND PROVIDE FOR REQUIRED OPENINGS WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH THE MECHANICAL CONTRACTOR. BRING ANY DEVIATION FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS TO THE ENGINEER'S ATTENTION FOR APPROVAL
- COORDINATE AND PROVIDE ALL MISCELLANEOUS FRAMING MEMBERS SHOWN ON THE ARCHITECTURAL DRAWINGS. THESE MEMBERS MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
- ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED

TO RESIST SEISMIC FORCES AS DETERMINED IN CHAPTER 13 OF ASCE 7.

- EXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND
- FOUNDATION DESIGNS AND SUBGRADE PREPARATION ARE BASED UPON THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT NUMBER 02215334 BY TERRACON, DATED 12/14/2021.
- FOOTING DESIGNS ARE BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2500 PSF (FACTOR OF SAFETY = 3). THE ALLOWABLE SOIL BEARING PRESSURE MAY BE INCREASED BY ONE-THIRD WHEN CONSIDERING TOTAL LOADS, INCLUDING LOADS OF SHORT DURATION SUCH AS WIND FORCES. FOOTINGS SHALL BEAR IN SPECIFIED BEARING MATERIAL AS NOTED IN THE
- CONTRACTOR AND TESTING LABORATORY REPRESENTATIVE SHALL READ THE GEOTECHNICAL REPORT AND BECOME THOROUGHLY FAMILIAR WITH SITE AND SUBGRADE INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT QUANTITIES OF CUT AND FILL FOR ESTIMATING AND CONSTRUCTION. SUBGRADE SHALL BE PREPARED AS NOTED IN THE
- ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS, AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADE PRIOR TO PLACING CONCRETE. CUT AND FILL OPERATIONS SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER LICENSED IN THE
- STATE WHERE THE PROJECT IS LOCATED. A QUALIFIED AND REGISTERED GEOTECHNICAL ENGINEER, LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND WORKING FOR THE TESTING LABORATORY, SHALL DETERMINE CONFORMANCE OF THE FOUNDATION BEARING STRATA WITH THE FOUNDATION DESIGN CRITERIA ABOVE, AND ALL OTHER CONTRACT DOCUMENTS, AND VERIFY SIZE, REINFORCING STEEL, THICKNESS, EMBEDMENT DEPTH, AND REMOVAL OF CUT MATERIAL. TESTING LABORATORY SHALL NOTIFY CONTRACTOR AND A/E
- USE ONLY STRUCTURAL FILL MATERIAL AS NOTED IN THE GEOTECHNICAL REPORT FOR FILL BELOW THE BUILDING. EXTEND FILL AT LEAST FIVE FEET BEYOND THE BUILDING PERIMETER ON ALL SIDES. REFER TO THE GEOTECHNICAL REPORT FOR THE DEPTH OF THE STRUCTURAL FILL MATERIAL AND COMPACTION REQUIREMENTS.

OF ANY CONDITIONS NOT IN ACCORDANCE WITH FOUNDATION DESIGN CRITERIA OR CONTRACT DOCUMENTS.

- MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
- DO NOT PLACE GRADE BEAMS, WALLS, FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
- MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.
- KEEP OPEN EXCAVATIONS AROUND BUILDING DRY. BACKFILL AGAINST FOUNDATIONS AND GRADE BEAMS AS SOON AS PRACTICAL. PUMP WATER OUT OF OPEN EXCAVATIONS IF FLOODING OCCURS PRIOR TO BACKFILLING.
- PROTECT PIPES AND CONDUITS RUNNING THRU WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS, TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THOUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
- 13. PLACE FOUNDATIONS WITHIN 8 HOURS AFTER EXCAVATION. DO NOT LEAVE EXCAVATION OPEN OVERNIGHT.
- AVOID DAMAGING EXISTING UNDERGROUND UTILITIES SUCH AS WATER MAINS, SANITARY SEWERS, BURIED CABLES, ETC., WHICH MIGHT EXTEND ACROSS OR ADJOING THE SITE.
- REFER TO CIVIL DRAWINGS FOR LIMITS OF EXCAVATIONS.

CONCRETE NOTES

THE STRUCTURAL ENGINEER.

- PROVIDE CONCRETE AS SHOWN BELOW. PROVIDE BATCH MIXING, TRANSPORTATION, PLACING AND CURING OF CONCRETE IN ACCORDANCE WITH RECOMMENDATIONS OF ACI 301, ACI 318 AND ASTM C94. USE TYPE I PORTLAND CEMENT UNLESS OTHERWISE NOTED. PROVIDE ADMIXTURES AND SPECIAL REQUIREMENTS AS SPECIFIED
- A. NORMAL WEIGHT (150 PCF), F'c = 3,000 PSI CONCRETE AT 28 DAYS
 - SLAB-ON-GRADE, GRADE BEAMS, FOOTINGS b. ALL CONCRETE NOT SPECIFICALLY COVERED
- REFER TO THE SPECIFICATIONS FOR MAXIMUM WATER/CEMENT RATIOS, MINIMUM CEMENT CONTENTS AND OTHER MIX DESIGN REQUIREMENTS. PROVIDE CONCRETE MIXES DESIGNED BY A QUALIFIED TESTING LABORATORY FOR REVIEW AND APPROVAL BY
- PROVIDE CONSTRUCTION AND CONTROL JOINTS AS INDICATED ON THE DRAWINGS. HORIZONTAL CONSTRUCTION JOINTS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED OR APPROVED BY THE STRUCTURAL ENGINEER. NOTIFY THE STRUCTURAL ENGINEER OF PROPOSED CONSTRUCTION JOINT OR CONTROL JOINT LOCATIONS WHICH ARE DIFFERENT OR IN ADDITION TO JOINTS INDICATED ON THE DRAWINGS. PROVIDE 6,000-SQUARE FOOT MAXIMUM AREA OF CONCRETE PLACEMENT IN THE SLAB BETWEEN CONSTRUCTION JOINTS. PROVIDE 75-FOOT MAXIMUM SPACING OF CONSTRUCTION JOINTS IN GRADE BEAMS. PROVIDE GRADE BEAM CONSTRUCTION JOINTS IN MIDDLE 1/3 OF THE SPAN. WHEN A BEAM INTERSECTS A GIRDER WITHIN THE MIDDLE 1/3

OF THE GIRDER'S SPAN, OFFSET THE JOINT IN THE GIRDER A DISTANCE EQUAL TO TWICE THE WIDTH OF THE BEAM.

- WHERE DOWELS ARE SHOWN ON THE DRAWINGS, BUT NOT SIZED, PROVIDE DOWELS THAT MATCH SIZE AND LCOATION OF MAIN REINFORCING STEEL AND LAP SPLICE WITH THE MAIN REINFORCING STEEL. REINFORCING BARS SHALL BE SPLICED AS NOTED IN THE REINFORCING LAP SCHEDULE.
- CHAMFER EXPOSED EDGES 3/4 INCH UNLESS OTHERWISE NOTED.
- WIRE BRUSH AND CLEAN CONSTRUCTION JOINTS PRIOR TO POURING NEW CONCRETE.
- REFERENCE THE APPROPRIATE DISCIPLINE'S DRAWINGS FOR SUB SLAB PIPING, FLOOR DRAINS, AND SLAB AND WALL
- PROVIDE ADEQUATE STRUCTURAL FRAMING AS APPROVED BY THE STRUCTURAL ENGINEER FOR MECHANICAL OPENINGS THROUGH THE SLABS, WALLS, AND FLOOR DECK. OPENINGS ARE NOT PERMITTED THROUGH BEAMS UNLESS SPECIFICALLY DETAILED.
- FOR PIPE INSTALLED HORIZONTALLY WITHIN SLABS, UNLESS SPECIFICALLY INDICATED IN THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER. FOR PIPES INSTALLED HORIZONTALLY WITHIN THE SLAB, PROVIDE MAXIMUM OUTSIDE DIAMETER OF 30 PERCENT OF THE SLAB THICKNESS. PLACE CONDUIT OR PIPE BETWEEN THE TOP AND BOTTOM LAYERS OF REINFORCEMENT WITHIN THE CENTER THIRD OF THE SLAB. DO NOT SPACE CONDUITS OR PIPES CLOSER THAN 3 DIAMETERS OR WIDTHS ON CENTER.

REINFORCING STEEL NOTES

- PROVIDE DETAILING, FABRICATION, AND INSTALLATION OF REINFORCING AND ACCESSORIES IN ACCORDANCE WITH ACI 315 AND
- COORDINATE PLACEMENT OF CAST-IN-PLACE EMBEDS AND ANCHOR RODS. SET ANCHOR RODS WITH A TEMPLATE. SECURELY ATTACH EMBED ITEMS TO FORMWORK OR REINFORCING.
- PROVIDE CLASS "B" REINFORCEMENT SPLICES FOR CONTINUOUS REINFORCEMENT. PROVIDE STANDARD 90-DEGREE HOOKS IN ACCORDANCE WITH ACI 318, UNLESS OTHERWISE NOTED. STAGGER SPLICES UNLESS SPECIFICALLY NOTED.
- MAINTAIN THE FOLLOWING CONCRETE COVERAGE FOR REINFORCING STEEL UNLESS OTHERWISE NOTED
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3 INCHES
- CONCRETE EXPOSED TO WEATHER a. NO. 6 AND LARGER - 2 INCHES
- b. NO. 5 AND SMALLER 1-1/2 INCHES
- CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND
 - a. SLABS AND WALLS NO. 14 AND NO. 18 - 1-1/2 INCHES
 - NO. 11 AND SMALLER 3/4 INCH b. BEAM STIRRUPS - 1-1/2 INCHES
- DO NOT WELD OR BEND REINFORCEMENT IN THE FIELD UNLESS SPECIFICALLY SHOWN OR APPROVED BY STRUCTURAL
- WHEN SPECIFICALLY APPROVED, PROVIDE WELDED REINFORCEMENT IN ACCORDANCE WITH ASTM A706. USE LOW HYDROGEN ELECTRODES FOR WELDING OF REINFORCEMENT IN CONFORMANCE WITH "WELDING REINFORCEMENT STEEL, METAL INSERTS AND CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION", AMERICAN WELDING SOCIETY, AWS D1.4.
- PROVIDE CONTINUOUS HORIZONTAL WALL REINFORCEMENT WITH 90-DEGREE BENDS AND EXTENSIONS AT CORNERS AND INTERSECTIONS AS SHOWN ON TYPICAL BAR PLACING DETAILS.
- PROVIDE BAR SUPPORTS WITH PLASTIC COATED LEGS OR HOT DIP GALVANIZING AFTER FABRICATION FOR CONCRETE EXPOSED TO VIEW. PROVIDE STAINLESS STEEL BAR SUPPORTS FOR CONCRETE TO RECEIVE A SANDBLAST FINISH.

PROVIDE BAR SUPPORT ACCESSORIES IN ACCORDANCE WITH THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING

REINFORCED CONCRETE STRUCTURES. SUPPORT BEAM REINFORCING ON BEAM BOLSTERS SPACED NOT MORE THAN 4 FEET ON

- **POST-INSTALLED ANCHOR NOTES**
- ANCHORS INSTALLED IN HARDENED CONCRETE TO BE USED ONLY WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS CONTRACTOR SHALL OBTAIN APPROVAL FROM THE A/E PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. PLACE POST-INSTALLED ANCHORS SUCH THAT THEY AVOID CONFLICTING WITH EXISTING REBAR. WHERE INDICATED, PROVIDE THE FOLLOWING POST-INSTALLED ANCHOR:
- EPOXY ADHESIVE ANCHORS: SIMPSON SET-3G FOR ANCHORAGE TO CONCRETE
 - ALLOWABLE ANCHOR SUBSTITUTIONS SHALL BE SUBMITTED TO THE A/E WITH INFORMATION DEMONSTRATING THAT THE ANCHOR SUBSTITUTION PROVIDES EQUAL OR GREATER PERFORMANCE VALUES.
- INSTALL ANCHORS IN ACCORDANCE WITH THE CURRENT ICBO REPORT FOR THE ANCHORS AND THE MANUFACTURER'S
- RECOMMENDATIONS. ALL ANCHORS SHALL BE INSTALLED BY A MANUFACTURER CERTIFIED INSTALLER.
- INSTALL ANCHORS PERPENDICULAR TO THE FACE OF THE CONCRETE. DEVIATION FROM PERPENDICULAR GREATER THAN 10 DEGREES IS UNACCEPTABLE.
- CREATE A TEMPLATE AT EACH ANCHOR CONNECTION LOCATION PRIOR TO FABRICATING HOLES IN CONNECTION PLATES. MAKE TEMPLATE BY LOCATING EXISTING REBAR WITH THE HELP OF A PACHOMETER. REPOSITION ANCHORS A MAXIMUM OF 1 1/2 INCHES AS REQUIRED TO AVOID CONFLICTS WITH EXISTING REINFORCEMENT.
- FILL ALL ABANDONED HOLES WITH EPOXY GROUT.
- PROVIDE HOLES IN CONNECTION PLATES NO MORE THAN 1/16 OF AN INCH LARGER THAN THE ANCHOR DIAMETER. IF LARGER HOLES ARE NEEDED FOR ERECTION PURPOSES, PROVIDE PLATE WASHERS WELDED TO THE CONNECTION PLATE TO TRANSFER THE BOLT LOAD.
- CLEAN DRILLED HOLES FREE OF DEBRIS/DUST AND INSPECT PRIOR TO APPLYING EPOXY AND INSTALLING ANCHORS.

STRUCTURAL STEEL NOTES

- PROVIDE STRUCTURAL STEEL OF THE FOLLOWING ASTM DESIGNATIONS UNLESS OTHERWISE NOTED:
- STRUCTURAL STEEL WIDE FLANGE AND WT SHAPES ASTM A 992 (GRADE 50)
- STRUCTURAL STEEL STANDARD SHAPES, CHANNELS AND ANGLES ASTM A 36
- C. EDGE ANGLES, BENT PLATES, HANGER AND BRACES ASTM A 36
- D. STRUCTURAL PIPE ASTM A 53, GRADE B E. STRUCTURAL TUBING (SQUARE OR RECTANGULAR) - ASTM A 500, GRADE C
- BASE PLATES AND MISCELLANEOUS STEEL PLATES ASTM A 36
- CONNECTION MATERIALS:
- BEAM COLUMN STIFFENER PLATES AND DOUBLER PLATES TO MATCH THE GRADE STEEL OF STRUCTURAL
- ALL CONNECTION MATERIALS, EXCEPT AS OTHERWISE NOTED HEREIN OR IN THE DRAWINGS, INCLUDING BEARING PLATES, GUSSET PLATES, STIFFENER PLATES, ANGLES, ETC. - ASTM A 36
- HIGH STRENGTH BOLTS ASTM A 325 OR ASTM F1852
- HARDENED STEEL WASHERS ASTM F 436
- ANCHOR RODS ASTM F1554, GRADE 55
- HEAVY HEX NUTS ASTM A 563
- HEADED STUD ANCHORS TO CONFORM TO THE REQUIREMENTS OF ASTM A 29/A 29M, AWS D1.1, AND SECTION A3.6 OF AISC 360 SPECIFICATION.
- WELD MINIMUM SIZE AND STRENGTH
- PROVIDE MINIMUM SIZE OF FILLET WELDS AS SPECIFIED IN TABLE J2.4 OF THE AISC MANUAL. USE 1/4 INCH FILLET WELD
- PROVIDE MINIMUM EFFECTIVE THROAT THICKNESS OF PARTIAL PENETRATION GROOVE WELDS AS SPECIFIED IN TABLE
- DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER ELEMENT JOINED ON ALL SHOP AND FIELD WELDS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- WHERE CONNECTIONS ARE NOTED ON DRAWINGS AS MOMENT CONNECTIONS, PROVIDE WELDS TO DEVELOP FULL FLEXURAL CAPACITY OF THE LESSER MEMBER.
- PROVIDE ELECTRODES FOR FIELD OR SHOP WELDING THAT CONFORM TO AWS D1.1 CLASS E70XX.
- PROVIDE MINIMUM OF TWO BOLTS PER CONNECTION. MINIMUM BOLT DIAMETER TO BE 3/4 INCH. PROVIDE BOLTS, NUTS AND WASHERS THAT ARE HOT DIP GALVANIZED ACCORDING TO ASTM A 153, CLASS C WHEN USED TO
- CONNECT STEEL ELEMENTS THAT ARE HOT DIP GALVANIZED AFTER FABRICATION. PROVIDE SIMPLE SHEAR CONNECTIONS FOR STEEL CONNECTIONS NOT OTHERWISE SPECIFIED UTILIZING HIGH STRENGTH BEARING BOLTS IN SINGLE OR DOUBLE SHEAR. PROVIDE DOUBLE ANGLE OR SINGLE PLATE SHEAR TAB BOLTED CONNECTIONS.
- UNLESS LARGER REACTION IS SHOWN ON DRAWINGS, PROVIDE MINIMUM DESIGN FORCES AS FOLLOWS:
- CONNECTED BEAM. OBTAIN END REACTION FROM UNIFORM LOAD TABLES OF THE AISC MANUAL OF STEEL CONSTRUCTION. PROVIDE MINIMUM SHEAR CAPACITY OF 12,000 POUNDS FOR BEAMS 8 INCHES AND 10 INCHES DEEP. PROVIDE MINIMUM SHEAR CAPACITY OF 8,000 POUNDS FOR BEAMS LESS THAN 8 INCHES DEEP.

NONCOMPOSITE BEAMS: BEAM-TO-BEAM OR BEAM-TO-COLUMN CONNECTION TO DEVELOP THE REACTION OF

- ADD TO REACTIONS LISTED ABOVE LOADS OR REACTIONS OF MEMBERS SUPPORTED BY BEAM WITHIN THREE FEET OF BEAM END AND VERTICAL COMPONENTS OF FORCES IN BRACE MEMBERS FRAMING INTO BEAM.
- STEEL FABRICATION FABRICATE AND ASSEMBLE STRUCTURAL MEMBERS/ASSEMBLIES IN SHOP TO GREATEST EXTENT POSSIBLE.
- CAMBER OF STRUCTURAL STEEL MEMBERS IS INDICATED ON THE DRAWINGS. WHERE POSSIBLE, CAMBER OF BEAMS TO BE APPLIED BY COLD BEND PROCESS. CAMBER INDICATED ON DRAWINGS ARE INTENDED TO BE FINAL CAMBER AT TIME
- OF ERECTION, AND WITHIN A TOLERANCE OF MINUS ZERO TO PLUS 1/8 INCH FOR EACH TEN FEET OF MEMBER LENGTH. C. SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL BY THE A/E.
- STEEL FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS.
- CONFORM TO THE AISC CODE OF STANDARD PRACTICE, FOR ERECTION TOLERANCES. FIELD MODIFICATION TO STRUCTURAL STEEL IS PROHIBITED WITHOUT PRIOR APPROVAL BY THE A/E.
- CLEAN STEEL OF RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS WHERE REQUIRED FOR FABRICATION, FITTING UP, DO NOT CUT STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT PRIOR REVIEW AND APPROVAL OF THE
- AFTER FABRICATION, HOT DIP GALVANIZE STRUCTURAL STEEL AND THEIR CONNECTIONS PERMANENTLY EXPOSED TO THE OUTSIDE. SUCH ITEMS INCLUDE BUT ARE NOT LIMITED TO:
- SHELF ANGLES
- PARAPET WALL SUPPORTING MEMBERS
- SCREEN WALL SUPPORTING MEMBERS EMBEDDED PLATES IN CONCRETE

ELEMENTS TO THE COLUMNS IS PROHIBITED.

- BUILDING CLADDING SUPPORT STEEL ALL OTHER STEEL MEMBERS EXPOSED TO WEATHER
- EXAMINE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR OTHER ITEMS THAT REQUIRE HOT DIPPED GALVANIZATION.
- PROVIDE NON-SHRINK/NON-METALLIC GROUT FOR BASE PLATES WITH MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 8000 PSI.
- 13. SUBMIT CALCULATIONS FOR CONNECTION DESIGNS NOT DETAILED ON DRAWINGS. DESIGN CONNECTIONS UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- THE STRUCTURAL STEEL FABRICATOR MUST FURNISH STEEL SHOP DRAWINGS FOR ARCHITECT'S AND STRUCTURAL ENGINEER'S REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS MUST INCLUDE WELDING PROCEDURES, TESTING PROGRAMS FOR WELDING AND HIGH STRENGTH BOLTING, COATING MATERIAL, AND ERECTION SEQUENCE ON SHOP DRAWINGS.

MILL STEEL COLUMN ENDS TO FIT FLUSH WITH BASE PLATE, CAP PLATE, AND END PLATES, FIELD ASSEMBLY OF THESE STEEL

BE RESPONSIBLE FOR ANY TEMPORARY SHORING OR BRACING DURING CONSTRUCTION PHASE PRIOR TO COMPLETING CONNECTIONS AND POURING FLOOR SLABS.

WOOD FRAMING NOTES

WOOD FRAMING SHALL MEET THE FOLLOWING MINIMUM STRESS PROPERTIES UNLESS NOTED OTHERWISE:

	MEMBER SIZE	BENDING F _b (PSI)	TENSION PARALLEL TO GRAIN Ft (PSI)	SHEAR PARALLEL TO GRAIN F _v (PSI)	COMPRESSION PERPENDICULAR TO GRAIN F _c (PSI)	COMPRESSION PARALLEL TO GRAIN F _c (PSI)	ELASTIC MODULUS E (PSI)
SOUTHERN PINE #2 OR	2x6	1,000	600	175	565	1,400	1,400,000
BETTER	2x10	800	475	175	565	1,300	1,400,000
	2x12	750	450	175	565	1,250	1,400,000
ROSBORO GLULAM X-BEAM	SEE DWGS	2,400	-	265	650	-	1,800,000

PROVIDE SIMPSON STRONG-TIE CONNECTORS OR EQUIVALENT FOR WOOD FRAMING CONNECTIONS TO SUPPORTING MEMBERS USE STRONG-TIE CONNECTORS AND NAILS OF APPROPRIATE SIZE AND CAPACITY FOR THE SUPPORTED MEMBER AND INSTALL ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

- ALL ROOF AND EXTERIOR WALL SHEATHING SHALL BE APA RATED CDX PLYWOOD WITH EXTERIOR GLUE (EXPOSURE 1) OR ORIENTED STRAND BOARD (OSB) WITH EXTERIOR GLUE (EXPOSURE 1), AND SHALL BEAR THE STAMP OF AN APPROVED TESTING
- INSTALL ROOF SHEATHING WITH THE LONG DIMENSION OF THE PANEL PERPENDICULAR TO SUPPORTS UNLESS NOTED OTHERWISE, AND WITH PANEL CONTIUOUS OVER TWO OR MORE SPANS. STAGGER END JOINTS.
- ALL ROOF SHEATHING SHALL BE APA RATED EXPOSURE 1 CDX PLYWOOD SHEATHING WITH A MINIMUM THICKNESS OF 5/8 INCH. DOC PS-1 OR PS-2, WITH A SPAN RATING OF AT LEAST 32/16 NAILED WITH 10d GALVANIZED COMMON NAILS AT 4 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. 10d NAILS SHALL HAVE A MINIMUM 0.148 INCH DIAMETER AND 1 1/2 INCHMINIMUM PENETRATION INTO SUPPORTING FRAMING.
- OUTSIDE OF EXTERIOR WALLS SHALL BE SHEATHED WITH APA RATED EXPOSURE 1 OSB OR CDX PLYWOOD SHEATHING WITH A MINIMUM THICKNESS OF 5/8 INCH, DOC PS-1 OR PS-2. REFER TO S5.4 FOR FASTENING REQUIREMENTS OF SHEAR WALLS IDENTIFIED ON S1.1. WALLS NOT IDENTIFIED AS SHEAR WALLS SHALL BE FASTENED TO WALL STUDS WITH 10d GALVANIZED COMMON NAILS AT 6 INCHES ON CENTER AT EDGES AND 12 INCHES IB CENTER AT INTERMEDIATE SUPPORTS. PROVIDE BLOCKING AT UNSUPPORTED PANEL EDGES. 10d NAILS SHALL HAVE A MINIMUM OF 0.148 INCH DIAMETER AND 1 1/2 INCH MINIMUM PENETRATION INTO SUPPORTING FRAMING.
- INSTALL JOISTS, RAFTERS, HEADERS AND BEAMS "CROWN UP."
- ALL JOISTS SHALL HAVE DIAGONAL BRIDGING OR FULL DEPTH BLOCKING AT 8 FEET ON CENTER MAXIMUM ALONG THE SPAN AND AT SUPPORTING BEAMS OR WALLS.
- CUTTING, BORING OR NOTCHING OF FRAMING MEMBERS, IF REQUIRED, SHALL CONFORM TO THE LIMITATIONS PRESCRIBED BY THE IBC AND MAY BE DISALLOWED FOR SOME FRAMING MEMBERS BY THE A/E.
- ALL WOOD IN CONTACT WITH CONCRETE AND EXTERIOR MASONRY SHALL BE PRESSURE TREATED
- REFER TO THE IBC FOR MINIMUM FASTENING CRITERIA. ALL NAILS TO BE COMMON WIRE SIZE. NAILING SHALL COMPLY WITH REQUIREMENTS OF NAILING SCHEDULE UNLESS NOTED OTHERWISE.
- 12. MOISTURE CONTENT OF ALL WOOD MEMBERS SHALL NOT EXCEED 19%.

PRE-ENGINEERED TRUSS NOTES

- ALL TRUSSES CALLED OUT IN THE DRAWINGS SHALL BE PRE-ENGINEERED, MANUFACTURED TRUSSES. TRUSSES SHALL CONFORM TO THE SPACING, DIMENSIONS AND LAYOUTS CALLED OUT IN THESE NOTES AND ON THE PLANS AND SHALL BE DESIGNED FOR SPECIFIED LOADINGS.
- MAXIMUM LIVE LOAD DEFLECTION FOR TRUSSES NOT TO EXCEED L/360. MAXIMUM TOTAL LOAD DEFLECTION NOT TO EXCEED L/240, WHICHEVER IS GREATER.

TRUSSES AND CONNECTOR PLATES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF THE TRUSS PLATE

INSTITUDE SPECIFICATIONS. TRUSS MANUFACTURER SHALL DESIGN THE TRUSS TO WALL CONNECTIONS, U.N.O. ON THE DETAILS.

- PROVIDE FRAMING ANCHORS AND/OR TRUSS HANGERS AS REQUIRED AND AS SHOWN ON THE DRAWINGS. PROVIDE TRUSS SHOP DRAWINGS, INSTALLATION DRAWINGS, AND CALCULATIONS PREPARED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, ETC.
- CONTINUOUSLY BRACE AND SUPPORT TRUSSES DURING UNLOADING TO PREVENT EXCESSIVE STRESS ON THE JOINTS. DO NOT PERMIT TRUSSES TO DROP, SAG, OR BE SUPPORTED IN A DIRECTION PERPENDICULAR TO THE TRUSS PLANE. INSTALL TRUSSES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, INCLUDING PROPER HANDLING, SAFETY PRECAUTIONS, TEMPORARY BRACING DURING ERECTION AND ALL OTHER SAFEGUARDS.
- INSTALL ALL PERMANENT CHORD BRACING REQUIRED BY TRUSS SHOP DRAWINGS (TYPICALLY 3 ROWS OF 2x4 FULL LENGTH OF
- INSPECT ALL TRUSSES AFTER INSTALLATION FOR DAMAGE, NOTIFY A/E IMMEDIATELY OF DAMAGED TRUSSES, REMOVE AND
- REPLACE ALL DAMAGED TRUSSES. TRUSSES ARE A DEFERRED SUBMITTAL ITEM AND CONTRACTOR IS REQUIRED TO COMPLETE THE FOLLOWING:
 - FIRST, THE TRUSS PLANS AND CALCULATIONS, SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED, SHALL BE SUBMITTED TO THE A/E FOR REVIEW BEFORE SUBMITTING TO THE BUILDING DEPARTMENT. SECOND, THE SHOP DRAWINGS SHALL BE SUBMITTED WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED BY THE A/E AND HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE BUILDING DESIGN. THE TRUSS DESIGN SHALL BE APPROVED BY THE BUILDING DEPARTMENT BEFORE THE TRUSSES ARE FABRICATED. GENERAL CONTRACTOR SHOULD PLAN FOR REVIEW TIME BY BOTH THE A/E AND

METAL STUD FRAMING NOTES

BUILDING OFFICIAL IN THE CONSTRUCTION SCHEDULE.

METAL STUDS USED AT THE COOK LINE WALL SHALL HAVE A YIELD STRENGTH OF 33KSI

STUD SIZE, GAUGE, AND CONNECTION SHALL BE PER DETAILS.

TRACK SIZE, GAUGE, AND CONNECTION SHALL BE PER DETAILS.

OPENING AND SPACED AT 32" O.C. MAX. AROUND OPENING PERIMETER.

BRICK TIE NOTES

- MASONRY (BRICK) VENEER SHALL BE ATTACHED WITH ADJUSTABLE WIRE TIES SPACED AT 16" O.C. VERTICALLY AND 16" O.C. HORIZONTALLY. ADDITIONAL TIES ALONG ALL OPENINGS GREATER THAN 16" ARE REQUIRED TO BE LOCATED WITHIN 12" OF
- BRICK TIES SHALL BE MANUFACTURED BY HOHMANN & BARNARD, INC MODEL NUMBER HB-213 OR APPROVED EQUAL.

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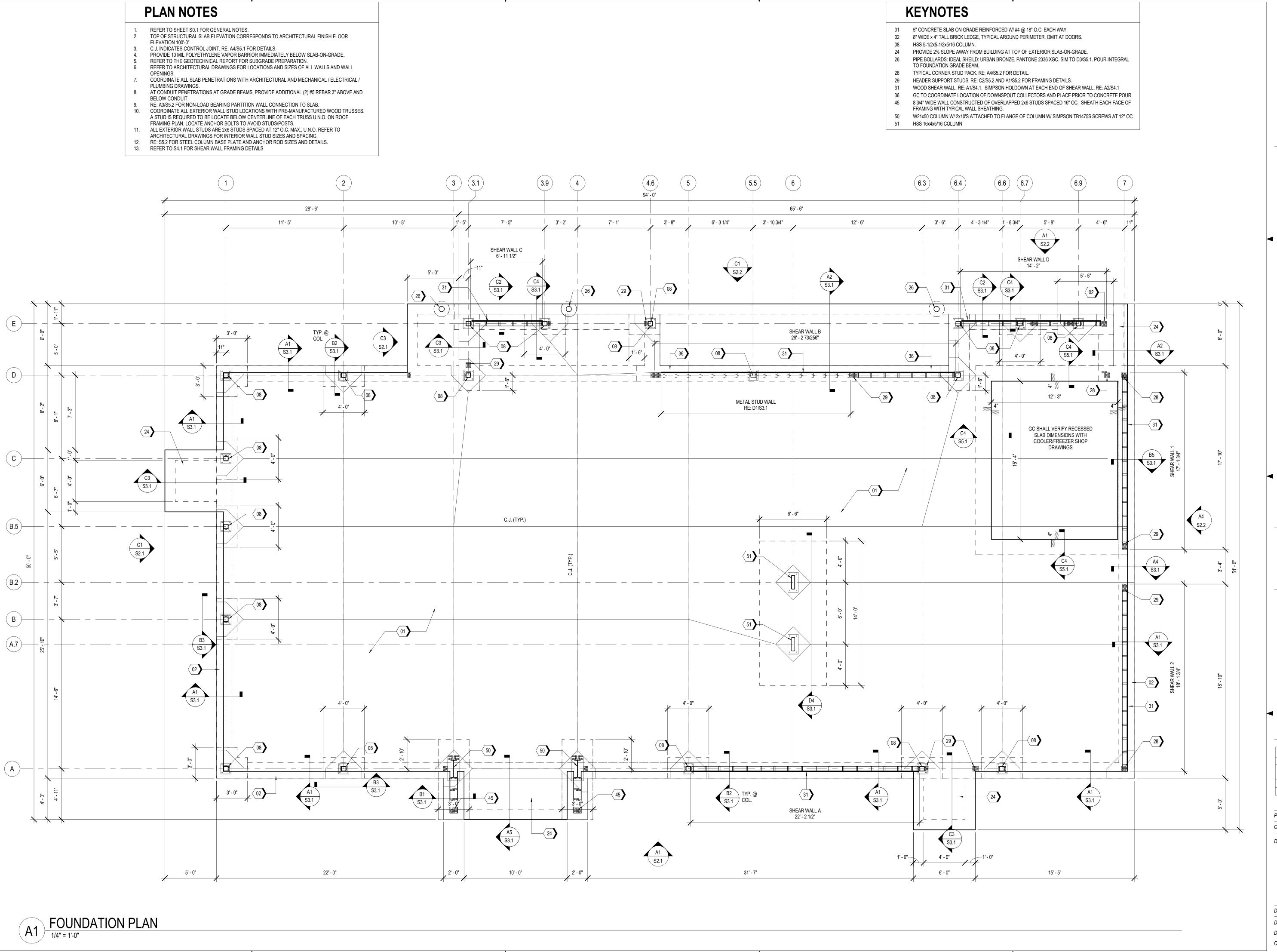
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GENERAL NOTES

40497-21

PERMIT SET Date: 06.29.2022 Designed: DMS

Drawn: CLS Checked: CEM



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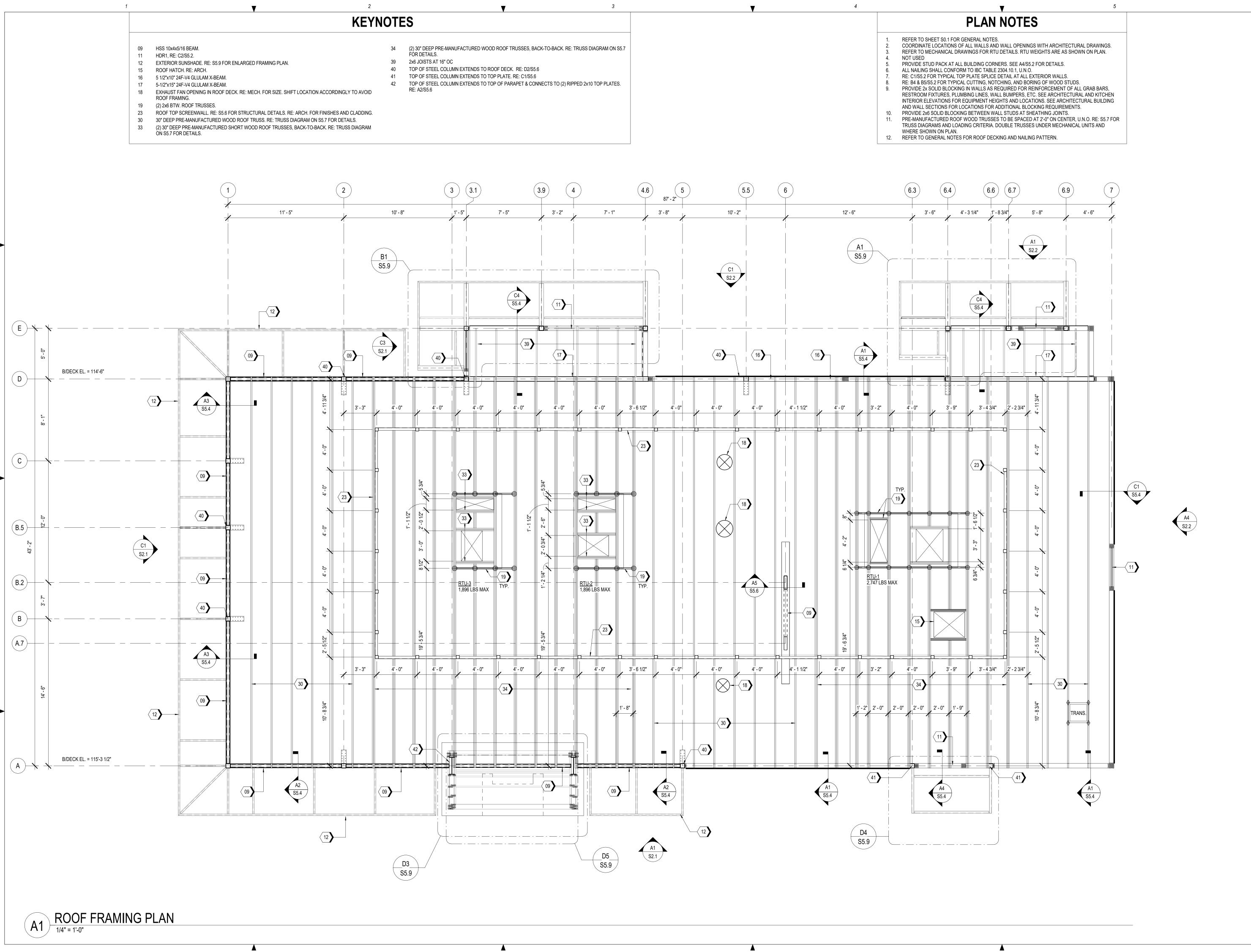
FOUNDATION PLAN

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 06.29.2022
 Phase:
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 Designed:
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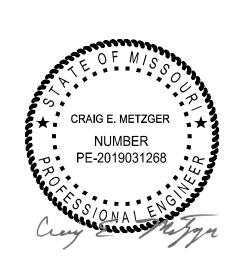
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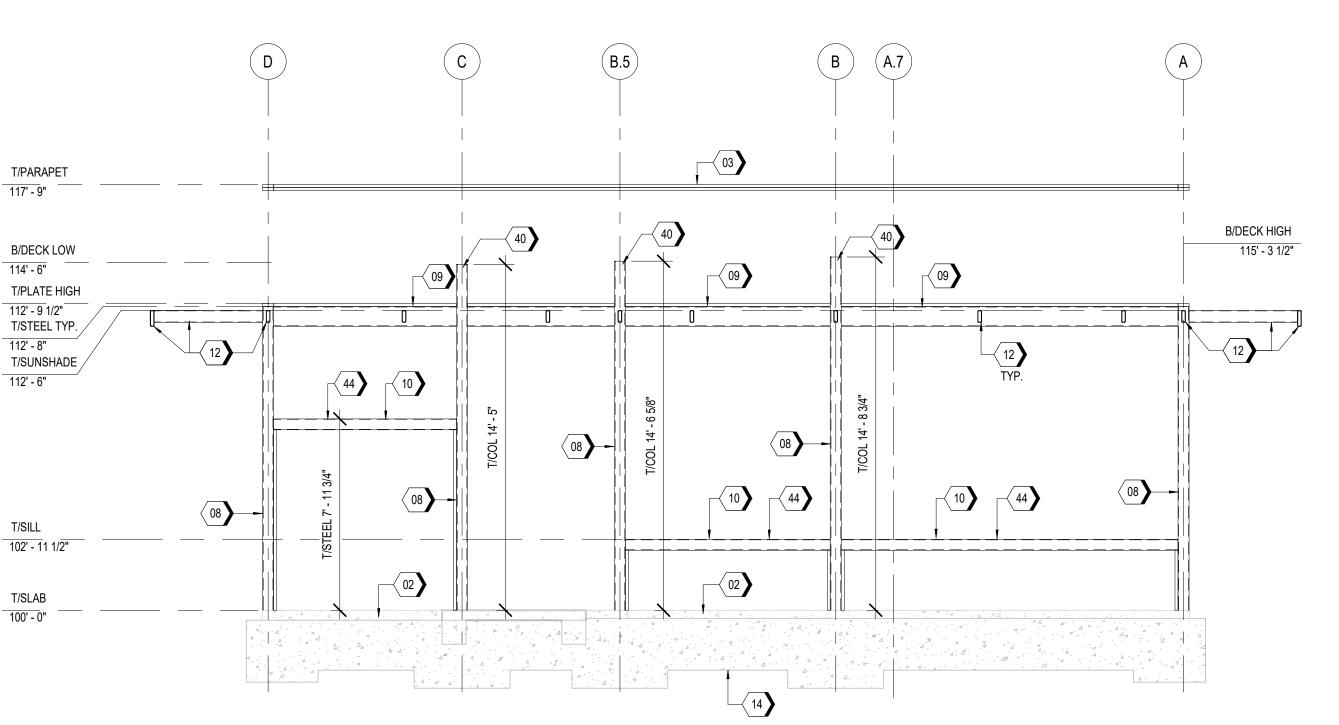
ROOF FRAMING PLAN

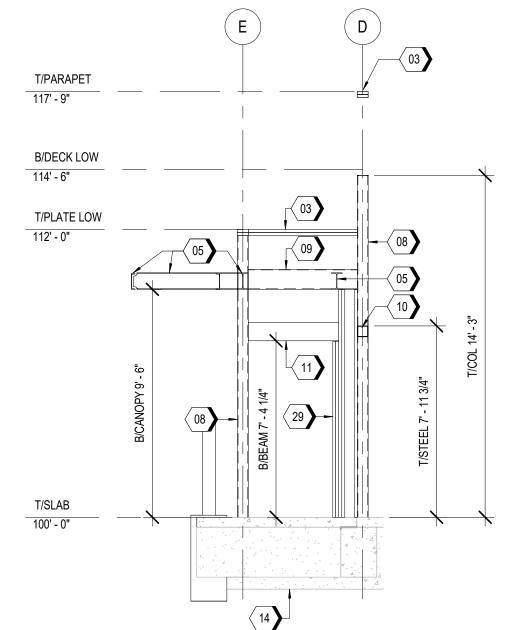
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 Phase:
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- 02 8" WIDE x 4" TALL BRICK LEDGE, TYPICAL AROUND PERIMETER. OMIT AT DOORS.
- 03 DOUBLE 2x6 TOP PLATE.
- 04 (3) 2x6 STUD PACK. RE: A5/S5.2 FOR NAILING DETAILS.
- 05 EXTERIOR CANOPY. RE: S5.9 FOR ENLARGED FRAMING PLAN. HSS 5-1/2x5-1/2x5/16 COLUMN.
- HSS 10x4x5/16 BEAM.
- 10 HSS 5-1/2x5-1/2x5/16 BEAM.
- 11 HDR1, RE: C2/S5.2.
- 12 EXTERIOR SUNSHADE. RE: S5.9 FOR ENLARGED FRAMING PLAN. 14 GRADE BEAM. REFER FOUNDATION PLAN FOR DETAILS.
- 28 TYPICAL CORNER STUD PACK. RE: A4/S5.2 FOR DETAIL.
- HEADER SUPPORT STUDS. RE: C2/S5.2 AND A1/S5.2 FOR FRAMING DETAILS. WOOD SHEAR WALL, RE: A1/S4.1. SIMPSON HOLDOWN AT EACH END OF SHEAR WALL, RE: A2/S4.1
- TOP OF STEEL COLUMN EXTENDS TO ROOF DECK. RE: D2/S5.6
- TOP OF STEEL COLUMN EXTENDS TO TOP PLATE. RE: C1/S5.6 TOP OF STEEL COLUMN EXTENDS TO TOP OF PARAPET & CONNECTS TO (2) RIPPED 2x10 TOP PLATES.
- 43 HDR2, RE: C2/S5.2 44 STEEL ANGLE FOR WINDOW CONNX AT LOW BEAM, RE: D1/S5.8
- 50 W21x50 COLUMN W/ 2x10'S ATTACHED TO FLANGE OF COLUMN W/ SIMPSON TB1475S SCREWS AT 12" OC.

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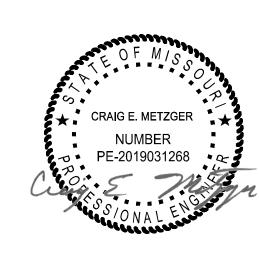
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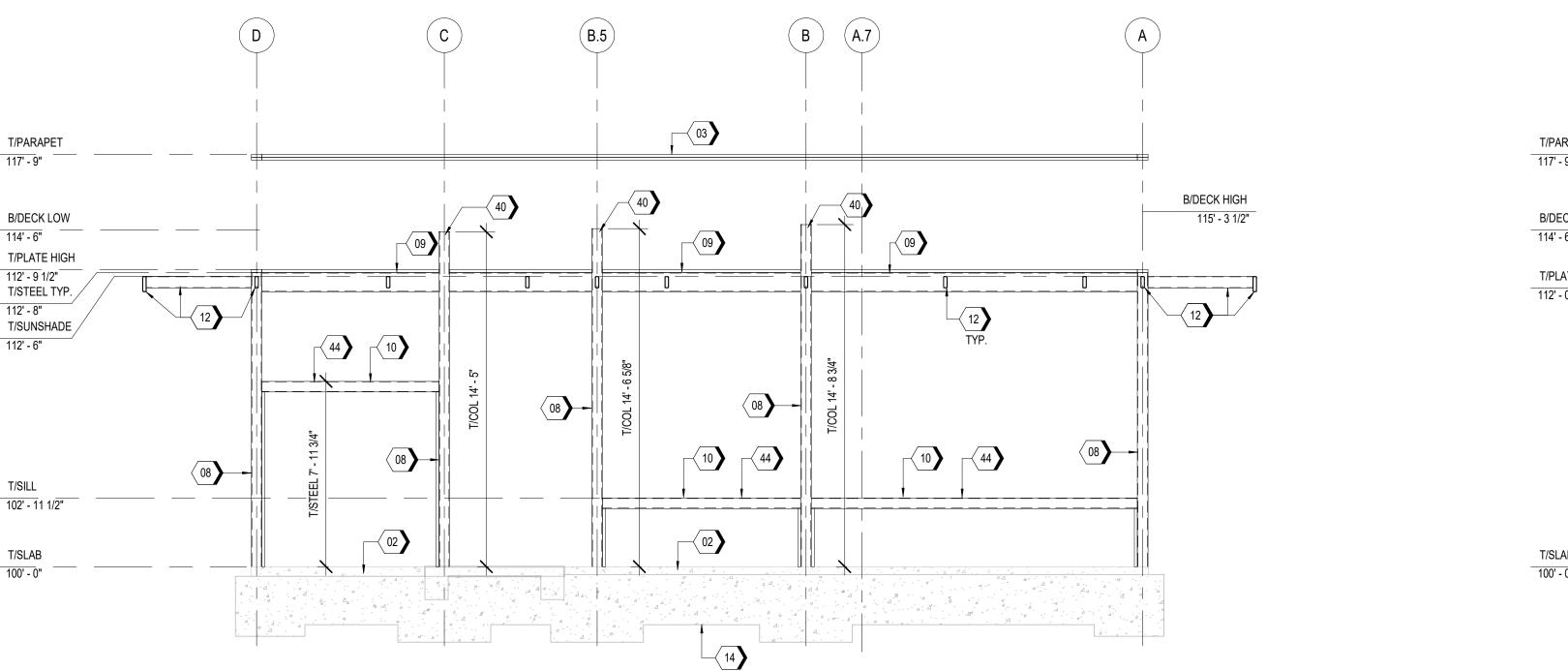
FRAMING ELEVATIONS

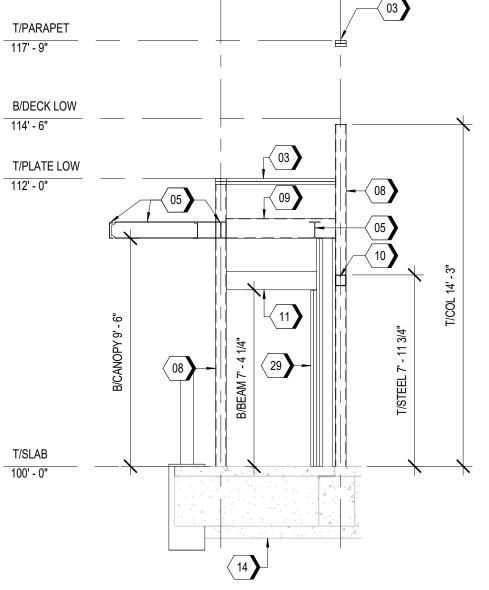
Date: 06.29.2022 Designed: DMS

Drawn: CLS Checked: CEM

PLAN SOUTH FRAMING ELEVATION

1/4" = 1'-0"

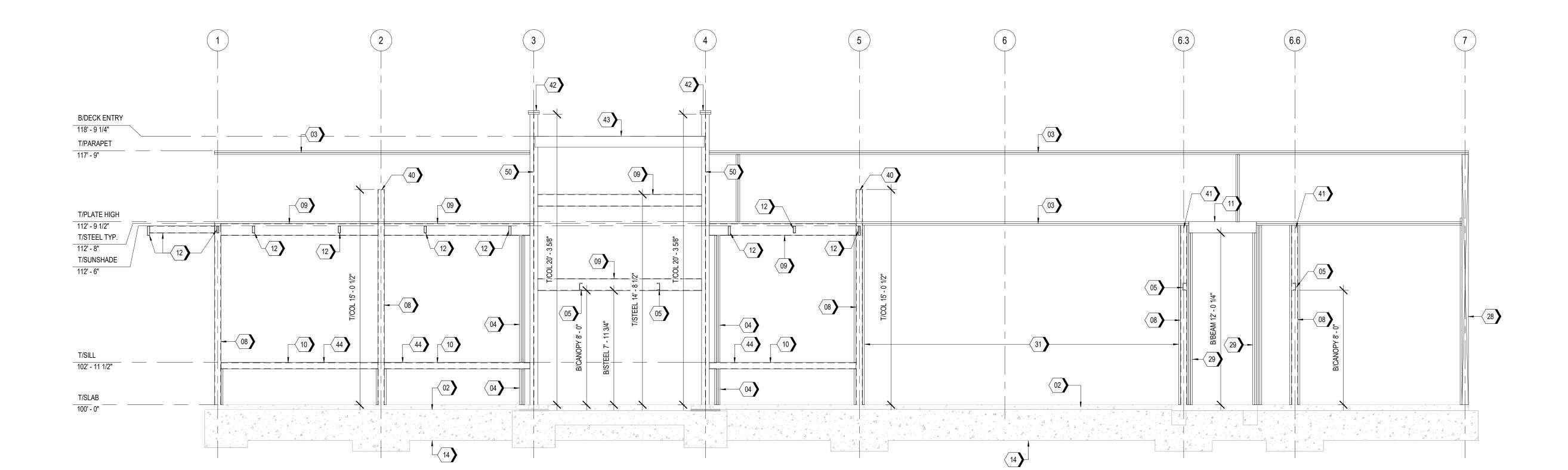


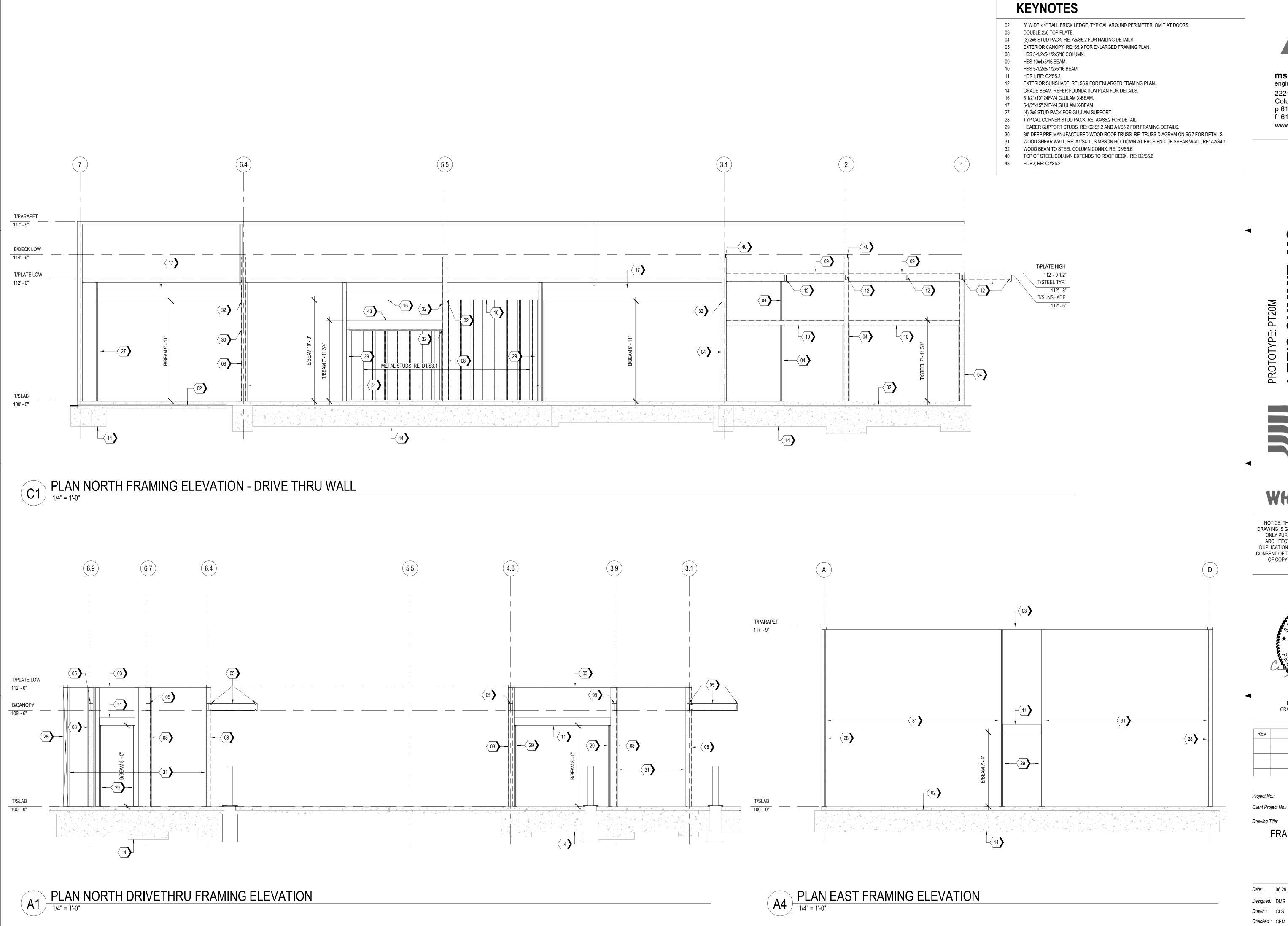


PLAN WEST FRAMING ELEVATION

1/4" = 1'-0"

C3 PLAN WEST FRAMING ELEVATION - EXPEDITE DOOR





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SUMMIT,

PROTOTYPE:

WHATABURGER

HOLLYWOOD ST LEE'S SUMMIT, MO 64082

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REV	DESCRIPTION	DATE

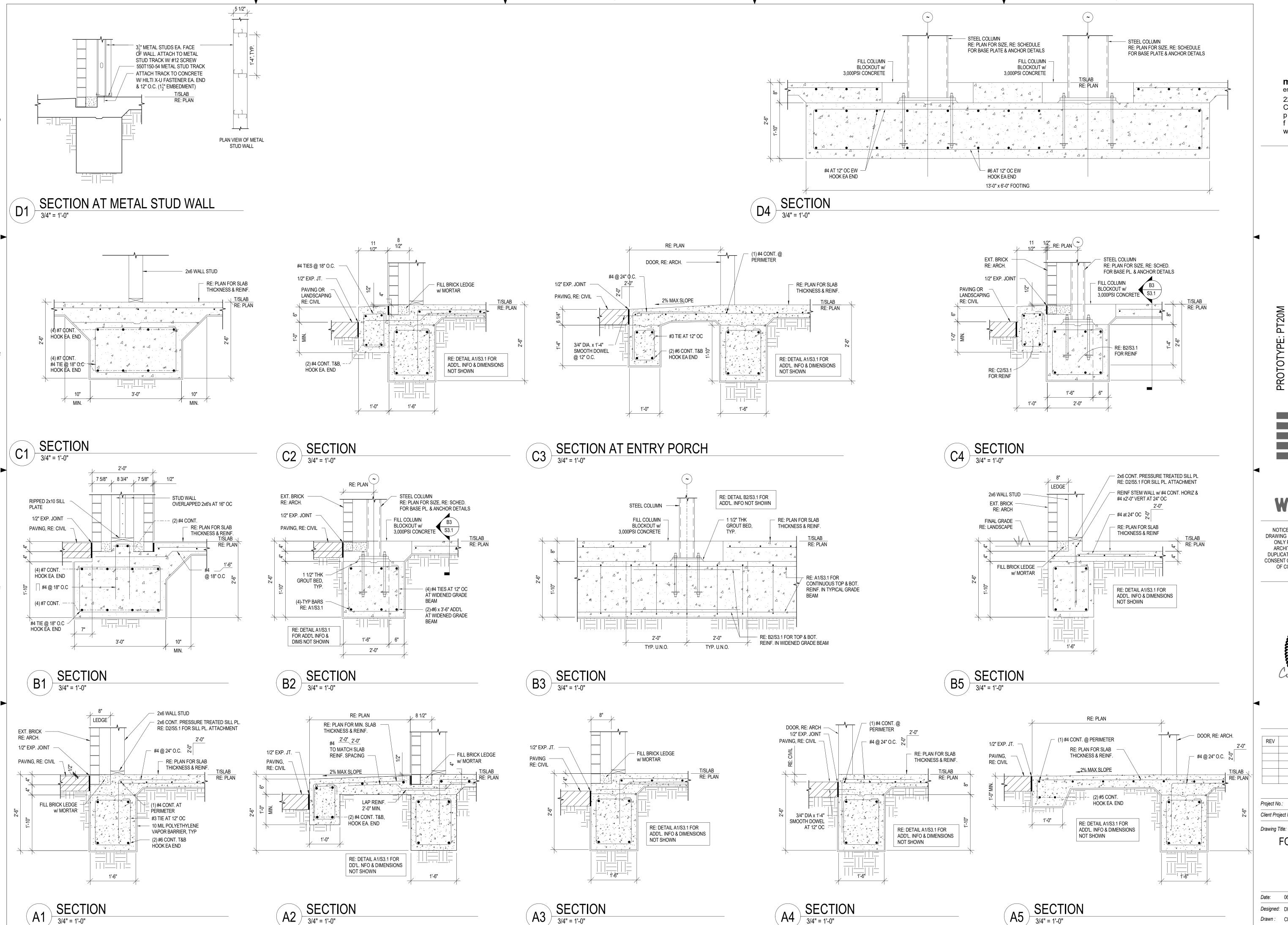
Project No.: 40497-21 Client Project No.:

Drawing Title:

FRAMING ELEVATIONS

Designed: DMS Drawing No.: Drawn: CLS

S2.2



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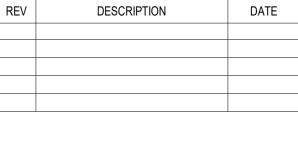
LEE'S

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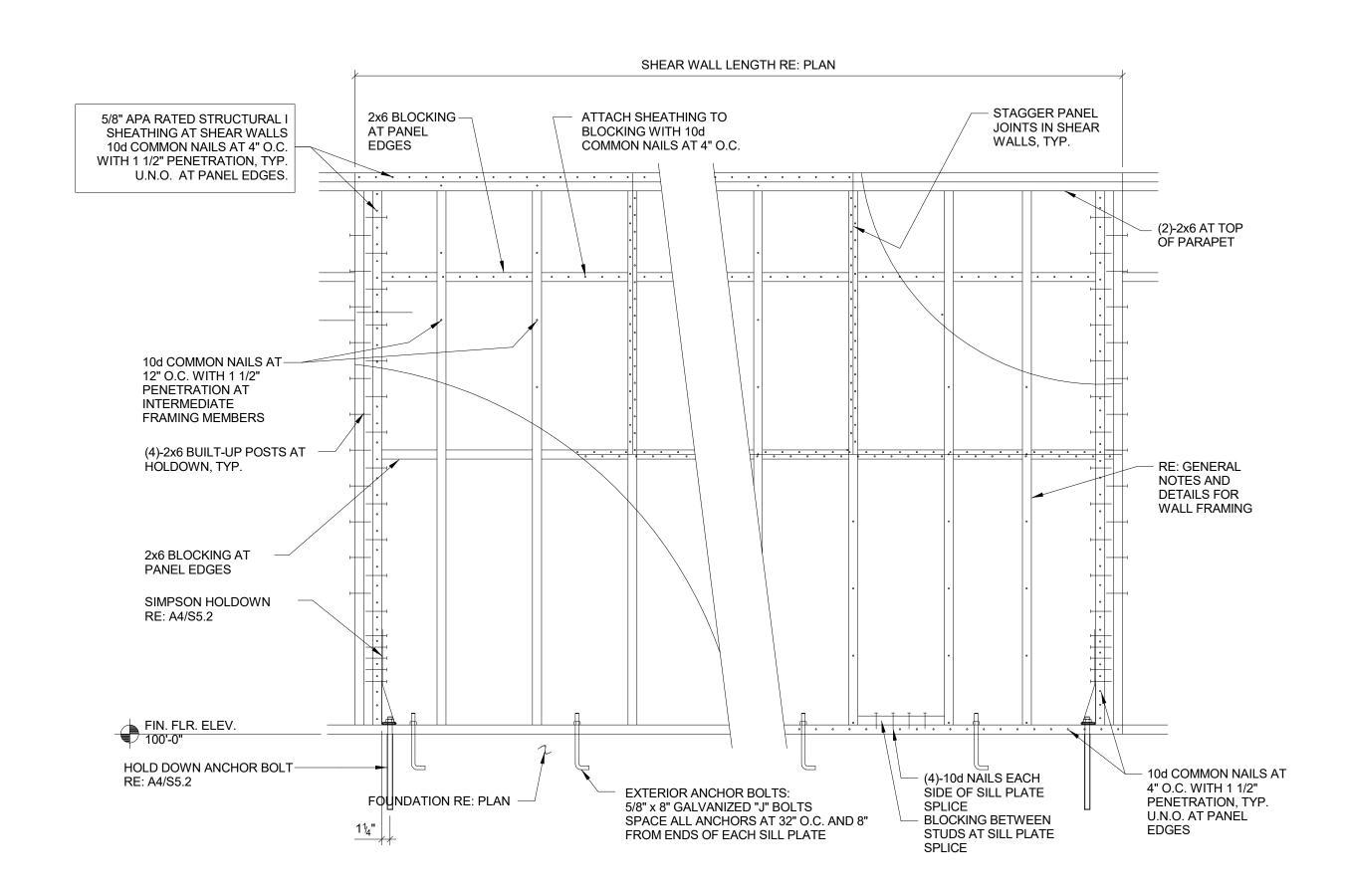


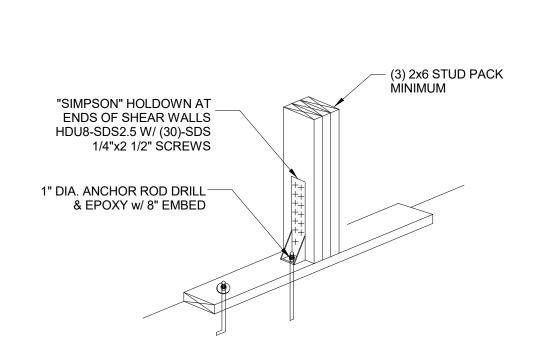
40497-21 Client Project No.:

FOUNDATION DETAILS

Date:	06.29.2022	Phase:	PERMIT S
Designed:	DMS	Drawing N	o. <i>:</i>
Drawn :	CLS	53	1
Checked:	CEM	53.	

FORCE TRANSFER AROUND OPENING IN SHEAR WALL B

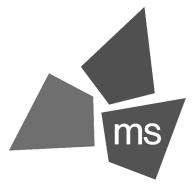




A1 TYPICAL SHEAR WALL ELEVATION

3/4" = 1'-0"

A2 TYPICAL SHEAR WALL HOLDOWN
3/4" = 1'-0"



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LEE'S



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PROFESSIONAL OF RECORD: CRAIG E. METZGER NO. 2019031268 EXP DATE: 12/31/23

	REV	DESCRIPTION	DATE

Project No.: 40497-21

Client Project No.:

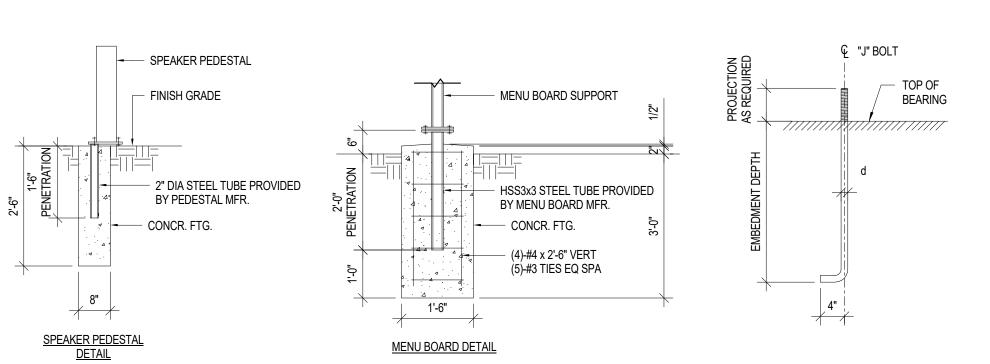
Drawing Title:

SW FRAMING DETAILS

Date: 06.29.2022 PERMIT SET Phase: Drawing No.: Designed: DMS Drawn: CLS

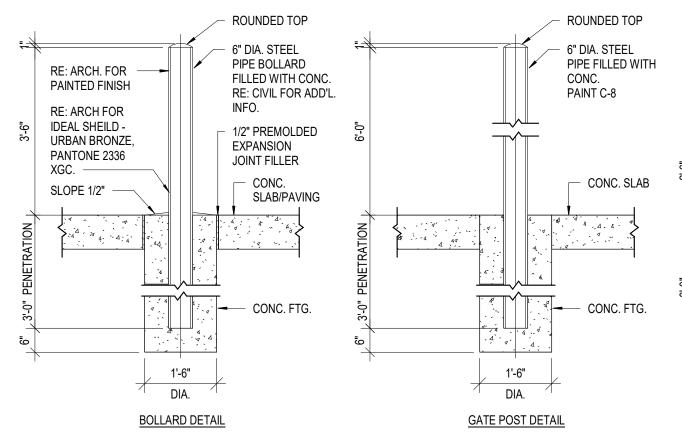
Checked: CEM

S4.1

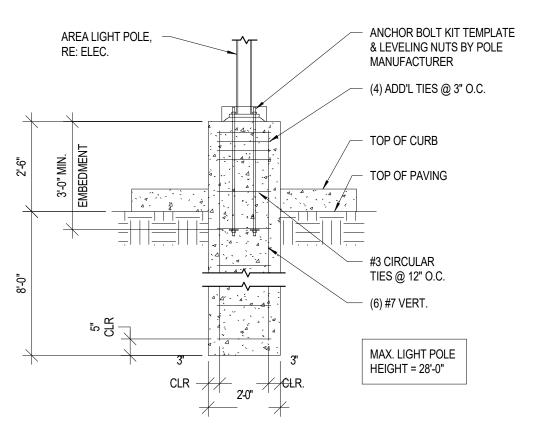


MENU BOARD & SPEAKER PEDESTAL FOUNDATION DETAILS

ANCHOR BOLT DETAIL

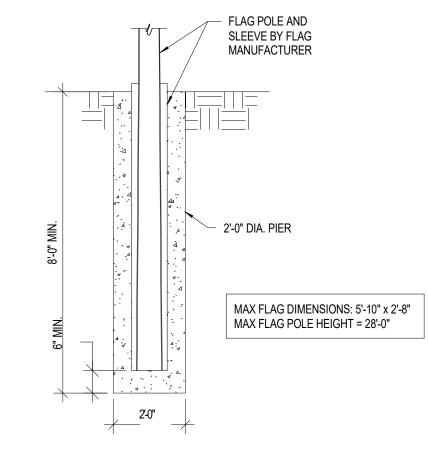


BOLLARD/GATE POST DETAIL

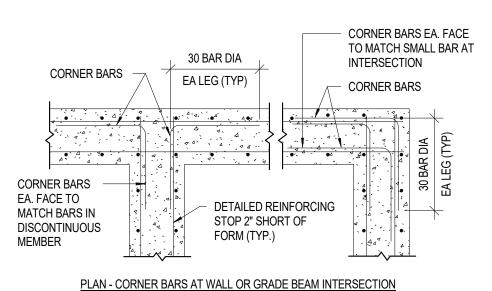


TYP. LIGHT POLE DETAIL

NTS

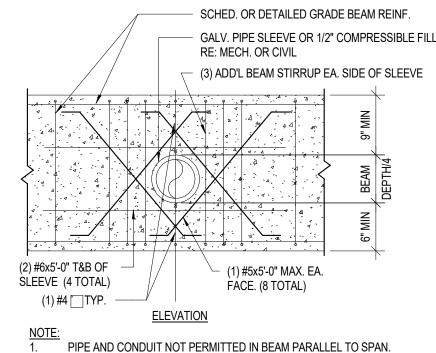


TYP. FLAG POLE DETAIL

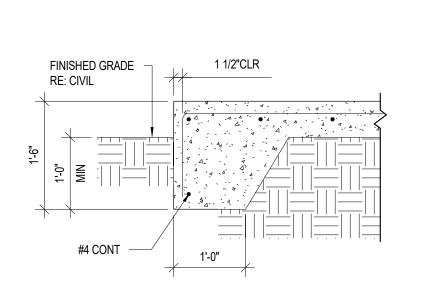


PROVIDE CORNER BARS TO MATCH SIZE AND LOCATION OF ALL HORIZONTAL GRADE BEAM AND WALL BARS EXCEPT HOOKED TOP AND BOTTOM BARS.

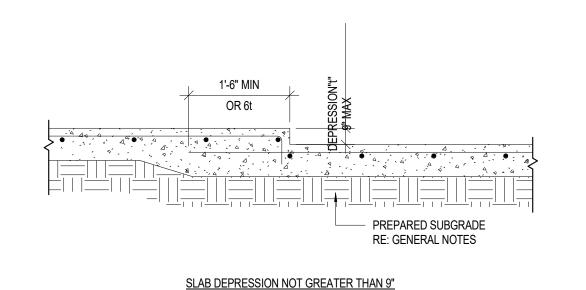
TYPICAL CORNER BAR DETAIL



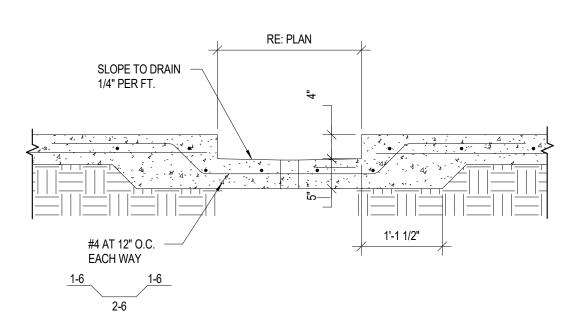
TYPICAL SLEEVE IN GRADE BEAM



TYP. CONCRETE TURNDOWN $(C3)\frac{11}{NTS}$



TYP. SLAB-ON-GRADE **DEPRESSION DETAIL**



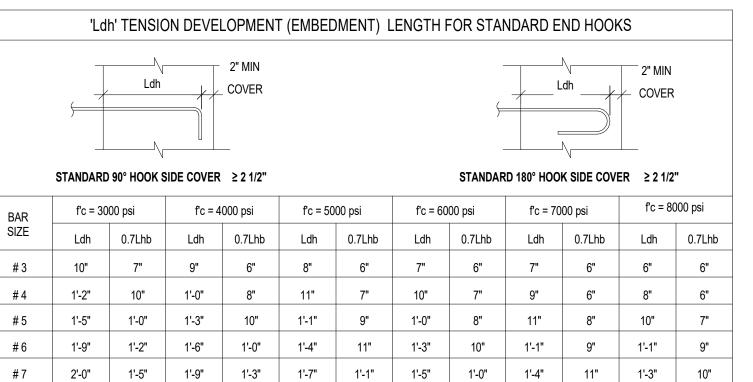
SINK DETAIL

'Ld' TENSION DEVELOPMENT LENGTH FOR BEAM, SLAB, AND WALL REBARS (GRADE 60 **UNCOATED BARS - NORMAL WEIGHT CONCRETE)** f'c=4000 psi f'c=5000 psi f'c=8000 psi **BAR SIZE** LdTOP Ld BOT #3 1'-9" 1'-4" 1'-2" 1'-5" 1'-1" 1'-3" 1'-0" 1'-1" 1'-0" 1'-6" 1'-5" 1'-1" 2'-4" 1'-10" 2'-1" 1'-7" 1'-10" 1'-5" 1'-8" 1'-3" 3'-0" 2'-3" 2'-7" 2'-0" 2'-1" 1'-7" 2'-4" 1'-9" 1'-10" 1'-5" # 5 3'-7" 2'-9" 2'-1" 1'-11" 2'-2" 1'-8" 3'-1" 2'-4" 2'-9" 2'-6" #6 #7 5'-2" 4'-0" 4'-6" 3'-6" 3'-8" 2'-10" 3'-2" 2'-5" #8 4'-7" 5'-2" 3'-6" 4'-2" 3'-3" 3'-8" 4'-1" 3'-2" #9 6'-8" 5'-2" 5'-9" 4'-5" 5'-2" 4'-0" 4'-9" 3'-8" 4'-7" 3'-7" # 10 7'-6" 5'-10" 6'-6" 5'-0" 5'-10" 5'-4" # 11 8'-4" 6'-5" 7'-3" 5'-7" 6'-6" 5'-0" 4'-7" 5'-1" 3'-11"

'TOP' BARS ARE HORIZONTAL REBARS WITH MORE THAN 12 IN OF FRESH CONCRETE CAST BELOW THE BARS AT THE DEVELOPMENT LENGTH. 'Ld' FOR #3 AND #4 BARS IN SLAB OR WALL ARE CONSERVATIVE AND MAY BE REDUCED TO 0.75 TIMES. FOR LIGHT-WEIGHT CONCRETE MULTIPLY THE TABULATED VALUES BY 1.3.

				AINO NOINI	IAL WEIGH	II CONCI	<u> </u>			
BAR	f'c=3000 psi		f'c=4000 psi		f'c=50	f'c=5000 psi		000 psi	f'c=8000 psi	
SIZE	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	TOP	В
#3	2'-4"	1'-9"	2'-0"	1'-6"	1'-10"	1'-5"	1'-8"	1'-4"	1'-5"	1'
#4	3'-1"	2'-4"	2'-8"	2'-1"	2'-5"	1'-10"	2'-2"	1'-8"	1'-11"	1'
# 5	3'-10"	3'-0"	3'-4"	2'-7"	3'-0"	2'-4"	2'-9"	2'-1"	2'-4"	1'-
#6	4'-8"	3'-7"	4'-0"	3'-1"	3'-7"	2'-9"	3'-3"	2'-6"	2'-10"	2'
#7	6'-9"	5'-2"	5'-10"	4'-6"	5'-3"	4'-0"	4'-9"	3'-8"	4'-2"	3'
#8	7'-9"	5'-11"	6'-8"	5'-2"	6'-0"	4'-7"	5'-5"	4'-2"	4'-9"	3'
#9	8'-8"	6'-8"	7'-6"	5'-9"	6'-9"	5'-2"	6'-2"	4'-9"	5'-4"	4'
# 10	9'-10"	7'-6"	8'-6"	6'-6"	7'-7"	5'-10"	6'-11"	5'-4"	6'-0"	4'
# 11	10'-11"	8'-4"	9'-5"	7'-3"	8'-5"	6'-6"	7'-8"	5'-11"	6'-8"	5'

FOR CLASS 'A' SPLICE (PERMITTED ONLY WHEN NOT MORE THAN HALF THE BARS SPLICED AND SPLICES STAGGERED BY THE DISTANCE OF SPLICE LENGTH), USE SAME AS 'Id' = TENSION DEVELOPMENT LENGTH TABLE.



SIZE #3 1'-9" 1'-3" | 1'-7" | 1'-2" | 1'-6" | 1'-1" | 1'-5" | 1'-0" 1'-5" 1'-10" 1'-3" 1'-8" 1'-2" 1'-7" 1'-7" | 2'-1" | 1'-5" | 1'-11" | 1'-4" | 1'-9" | 1'-3" # 10 | 2'-11" | 2'-0" | 2'-6" | 1'-9" | 2'-3" 3'-3" | 2'-3" | 2'-9" | 1'-11" | 2'-6" | 1'-9" | 2'-3" | 1'-7" | 2'-1" | 1'-6" | 2'-0" | 1'-5"

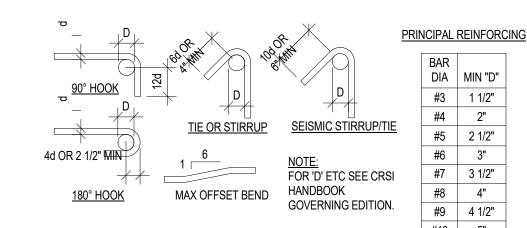
Ldh = DEVELOPMENT LENGTH OF STANDARD HOOKS IN TENSION. Ldh = Lhb UNLESS CONDITIONS OF ITEMS 3 ARE SATISFIED.

Ldh SHALL BE MULTIPLIED BY 1.2 FOR EPOXY-COATED HOOKED BARS.

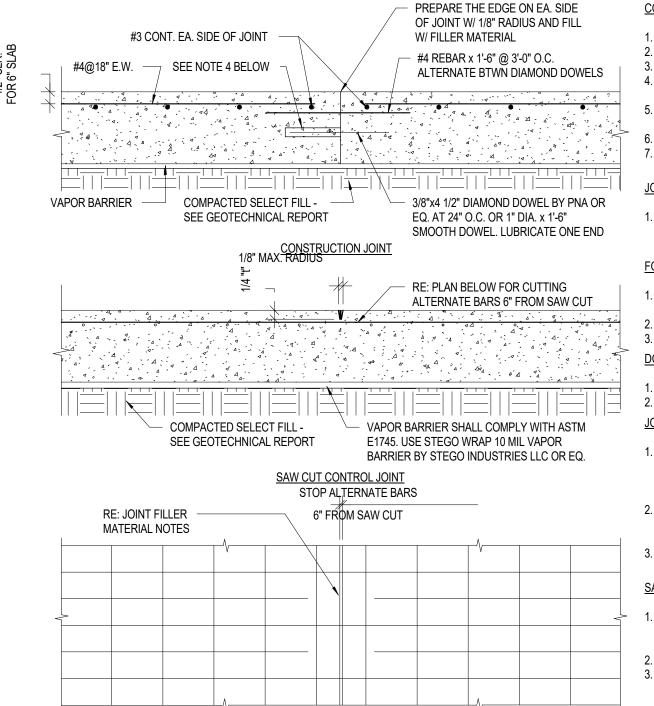
Ldh = 0.7 Lhb FOR #11 BARS AND SMALLER WHEN SIDE COVER (NORMAL TO PLAN OF HOOK) IS NOT LESS THAN 2 1/2" AND FOR 90° HOOKS, COVER ON BAR EXTENSION BEYOND HOOK IS NOT LESS THAN 2 INCHES. HOOKS ARE NOT CONSIDERED EFFECTIVE FOR DEVELOPING BARS IN COMPRESSION.

#9 4 1/2"

#11 5 1/2"



BENDS SHALL BE MADE COLD. #14 AND #18 BARS SHALL BE BEND-TESTED AND APPROVED PRIOR TO BENDING. #7 3 1/2"



CONSTRUCTION JOINT NOTES:

REFER TO PLAN FOR SLAB THICKNESS (t) AND REINFORCEMENT.

SLAB REINFORCEMENT SHALL BE CHAIRED BY SOIL SUPPORT SLAB BOLSTERS. DO NOT USE THE KEY JOINT FOR SCREEDING. BREAK BOND BETWEEN NEW AND PREVIOUSLY PLACED SLAB BY SPRAYING OR PAINTING THE EXPOSED SIDE OF THE KEY AND DOWEL WITH CURING COMPOUND, ASPHALTIC EMULSION OR FORM OIL.

REFER TO GENERAL NOTES, GENERAL SPECIFICATIONS, AND DRAWINGS FOR SUB-FLOOR DRAINAGE SYSTEM, SUBGRADE PREPARATION AND/OR MUD SLAB AND VAPOR BARRIER REQUIREMENTS. SUBGRADE SHALL BE FREE OF STANDING WATER AT THE TIME OF CONCRETE PLACEMENT.

LONG STRIP CONSTRUCTION METHOD SHALL BE USED IN PLACING CONCRETE FOR ALL SLABS ON GRADE. REFER TO SCHEMATIC PLAN FOR CONCRETE PLACING SEQUENCE.

JOINT SPACING NOTES:

PROVIDE CONTROL AND/OR CONSTRUCTION JOINTS AT EVERY COLUMN LINE AND IN BETWEEN THE COLUMN LINES SUCH THAT THE JOINT SPACING DOES NOT EXCEED 30 TIMES THE SLAB THICKNESS IN INCHES, UNLESS OTHERWISE NOTED, SUBMIT JOINT PLAN FOR ENGINEER'S APPROVAL. FORMED CONTROL JOINT NOTES:

FORM CONTROL JOINTS BY INSERTING PRE-MOLDED STRIP INTO FRESH CONCRETE UNTIL TOP SURFACE OF STRIP IS FLUSH WITH SLAB SURFACE.

TOOL SLAB EDGES ROUND ON EACH SIDE OF INSERT. AFTER CONCRETE HAS CURED, REMOVE INSERTS AND CLEAN GROOVE OF LOOSE DEBRIS.

ALL DOWELS SHALL CONFORM TO ASTM A615. DOWELS SHALL BE CAREFULLY ALIGNED AND SUPPORTED DURING CONCRETING OPERATIONS.

FILLER MATERIAL SHALL HAVE A MINIMUM SHORE HARDNESS OF 35, AND SHALL CONFORM TO ASTM D2240. JOINT FILLER SHALL BE APPROVED BY A/E PRIOR TO APPLICATION. APPROVED JOINT FILLER IS VULKEM 245 AS MANUFACTURED BY MAMECO INTERNATIONAL OR EUCO QWIK JOINT 200 BY THE EUCLID CHEMICAL COMPANY OR EQUAL.

TEMPERATURE CONTROL. THIS SHALL BE EITHER AT THE END OF CONSTRUCTION OF THE COMPLETE BUILDING SHELL, OR A MINIMUM OF 90 DAYS AFTER SLAB CONSTRUCTION. FOLLOW STRICTLY THE MANUFACTURER'S RECOMMENDED PROCEDURES FOR APPLYING THE JOINT

WHERE POSSIBLE, FILLER MATERIAL SHALL BE APPLIED WHEN BUILDING IS UNDER PERMANENT

SAW CUT CONTROL JOINT NOTES:

MAKE HAND-TOOLED JOINTS AS SOON AS SLAB IS ABLE TO SUPPORT THE WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO FINISH SURFACE OF SLAB. SAW CUT JOINTS ARE TO BE MADE ABSOLUTELY PRIOR TO THE NEXT MORNING AFTER PLACEMENT.

CLEAN JOINT PRIOR TO FILLING JOINT. LOCATE CONTROL JOINTS AT COLUMN LINES. MAXIMUM SPACING BETWEEN CONTROL JOINTS = 30 x SLAB THICKNESS IN INCHES. LOCATE CONTROL JOINTS BETWEEN COLUMNS AS REQ'D.

Client Project No.: Drawing Title: TYPICAL DETAILS

40497-21

Project No.:

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engineers, architects, planners

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CRAIG E. METZGER

PROFESSIONAL OF RECORD:

CRAIG E. METZGER NO. 2019031268

EXP DATE: 12/31/23

DATE

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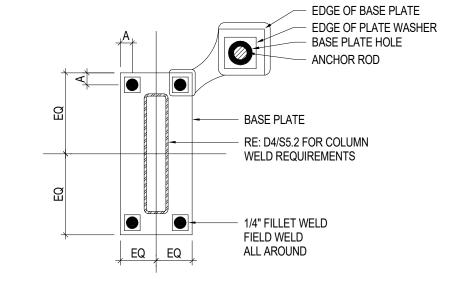
PERMIT SET Date: 06.29.2022 Phase: Designed: DMS Drawing No.. Drawn: CLS Checked: CEM

TYPICAL CONSTRUCTION / CONTROL JOINT SLAB-ON-GRADE

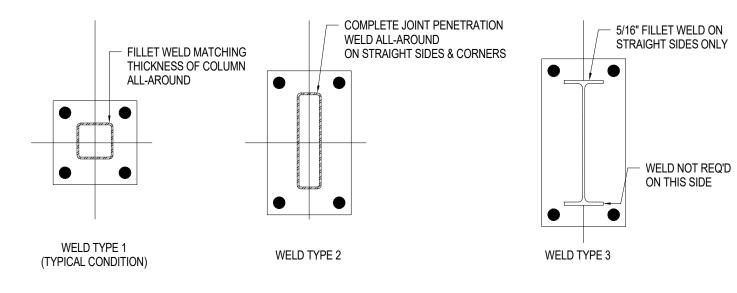
TENSION SCHEDULE & BAR BENDS

TYP. ANCHOR ROD DETAIL

COLUMN SIZE	COLUMN DESCRIPTION	BASE PLATE t x L x W	ANCHOR RODS	ANCHOR ROD EMBEDMENT DEPTH	DIMENSION "A" C/L OF BOLT TO EDGE OF PLATE	COLUMN TO BASE PLATE WELD TYPE
WF21x50	CANT. COLUMN IN BLDG	1-1/2" x 14" x 2'-4"	(4) 1-1/4" DIA.	20"	2"	TYPE 3
HSS16x4	CANT. COLUMN IN BLDG	1-1/4" x 12" x 1'-11"	(4) 1" DIA.	16"	2"	TYPE 2
HSS8x4	MENU BOARD CANOPY	1" x 12" x 1'-3"	(4) 1" DIA.	20"	1 1/2"	TYPE 1
HSS6x6	DUMPSTER ENCLOSURE	1" x 12" x 1'-0"	(4) 1" DIA.	16"	1 1/2"	TYPE 1
HSS6x4	HEADACHE BAR	1" x 12" x 1'-0"	(4) 1" DIA.	20"	1 1/2"	TYPE 1
HSS5-1/2x5-1/2	COLUMN IN BLDG	1" x 12" x 1'-0"	(4) 1" DIA.	12"	1 1/2"	TYPE 1



OF TRUSS



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REV	DESCRIPTION	DATE

TYPICAL DETAILS

Date:	06.29.2022	Phase: PE
Designed:	DMS	Drawing No.:
Drawn :	CLS	CE O
Checked:	CEM	55.2



SUMMIT, PROTOTYPE

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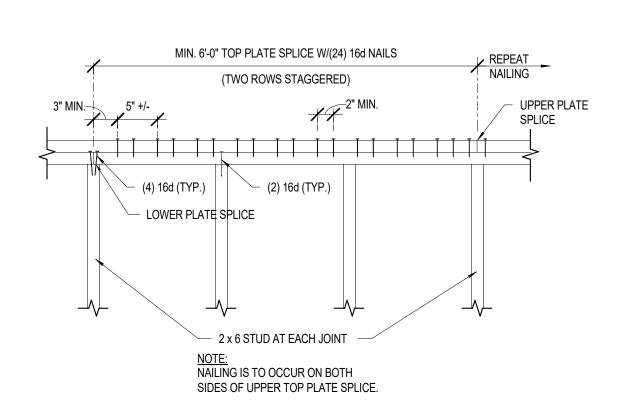
Project No.:	40497-21	
Client Project No.:		

REFER TO TYPICAL ANCHOR ROD DETAIL FOR ADD'L INFO. 2. COLUMN SHALL BE CENTERED ON BASE PLATE





COL. TO BASE PLATE WELD DETAILS 3/4" = 1'-0"



BOUNDARY NAIL (B.N.)

SOLID BLOCKING BETWEEN EACH

TRUSS/SUPPORT@

LONG DIMENSION OF

PLYWOOD TO RUN

PERPENDICULAR TO

EDGE NAIL (E.N.) @

PLYWD. PERIMETER

STAGGER PLYWD.

*FIELD NAIL (F.N.) @

ALL INTERMEDIATE MEMBERS

BLOCKED

DIAPHRAGM

JOINTS

4'-0" MIN.

SPLICE LENGTH

PANEL EDGES SEE

B2/S5.2

TOP PLATE SPLICE

1. MIN. PLYWD. SHT. SIZE SHALL BE 2'-0" X 4'-0".

3. EDGE NAIL (E.N.) O/ BEAMS AND AROUND ALL OPENINGS.

ROOF NAILING PLAN

TYPICAL WALL FRAMING

2. MIN. 3/8" NAILING EDGE DISTANCE.

NAIL TOP PLATE SPLICE WITH (3)-16d

NAILS AT EACH END OF SPLICE AND

WITH 2 ROWS OF 10d @ 6" O.C.

STAGGERED BETWEEN ENDS.

FULL DEPTH BLOCKING AT

PANEL JOINTS IN SHEAR

WALLS AND 4'-0" MAX. O.C.

FOR LOCATION OF RATED

ASSEMBLE BUILT-UP

CAN BE SUBSTITUTED)

COLUMNS WITH

STAGGERED NAIL SPACING (SOLID POSTS

SIMPSON A35 AT

EACH KING STUD

WHERE OPENING WIDTH EXCEEDS 5'-0".

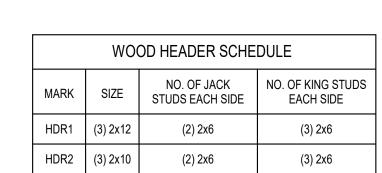
RE: A5/S5.2

WALLS.

IN RATED WALLS. RE: ARCH.

B1

4. PROVIDE 2 x 6 BLOCKING AT 4'-0" O.C.



WOOD HEADER SCHEDULE

10d EDGE NAIL,

2x BLOCKING

(2)-2x CONT. TOP PLATE TO

- (3)-16d NAILS, TYP.

JACK STUDS EACH

FULL HEIGHT KING STUD(S)

MATCH WALL FRAMING EACH SIDE. RE: C2/S5.2

SHEARWALL RE: PLAN

TREATED SILL PLATE TO

5/8" GALVANIZED "J" BOLTS

AT 48" O.C. AND 8" FROM ENDS OF EACH PLATE,

EMBED 8", TYP. U.N.O.

SIDE RE: C2/S5.2

TENSION TIE AT

2x PRESERVATIVE

MATCH STUD WIDTH

MATCH STUD WIDTH

PLYWOOD EDGE BLOCKING

HEADER, RE: C2/S5.2

— 2x CRIPPLE STUD

OPENING

WIDTH

HORIZ. FULL WIDTH TO

END, TYP.

D2/S5.1

MATCH WALL STUDS AT TOP

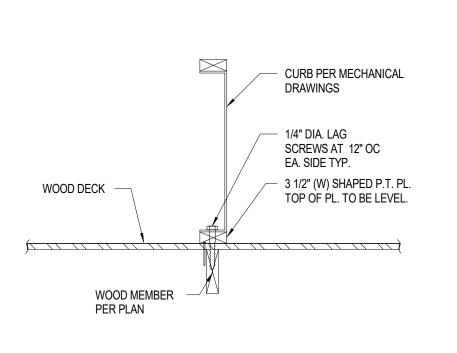
PROVIDE (2) TOENAILS EACH

AND BOTTOM OF OPENING.

STAGGER, U.O.N.

PLYWOOD ROOF

DECK SHEATHING



TRANSFORMER

RE: ELEC DWGS

TOP OF

PLATE

MECHANICAL CURB ATTACHMENT

TRANSFORMER SUPPORT DETAIL

- WOOD ROOF TRUSSES

- L2 /2 x 2 1/2 x 3/16

STD. WASHER & DBL NUT, TYP

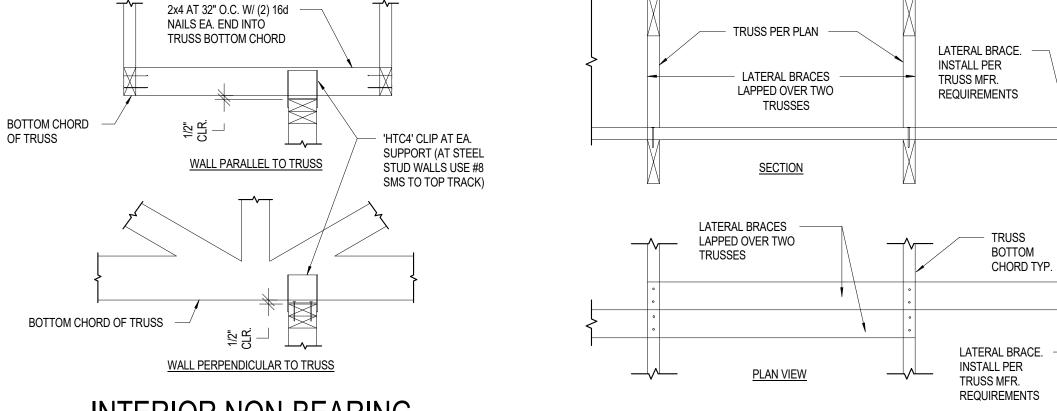
---- 1/2" DIA THREADED ROD

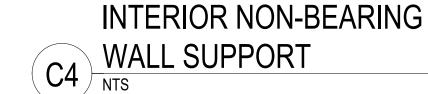
ANCHOR TRANSFORMER TO

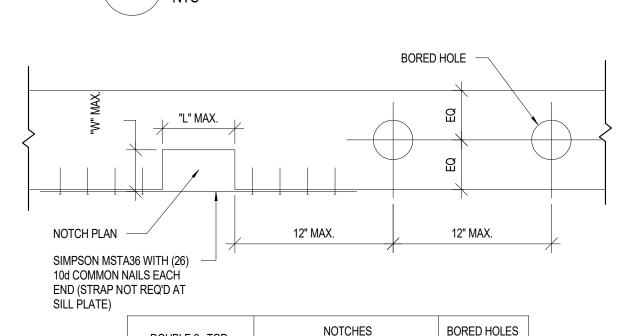
STD. WASHER & DBL NUT, TYP

STD. WASHER & DBL NUT, TYP

UNISTRUT PER MFR'S REQUIREMENTS

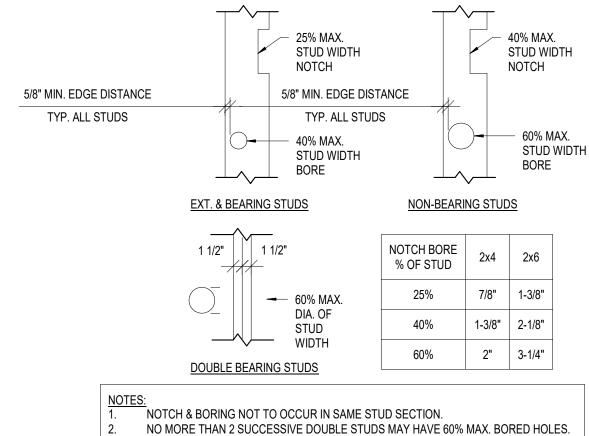






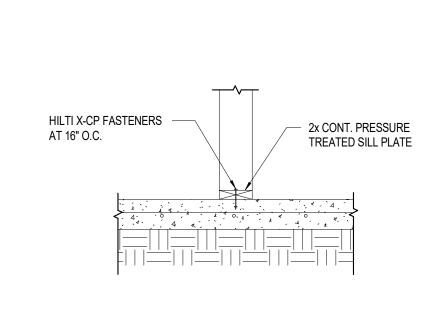
ILS EACH REQ'D AT				
DOUBLE 2x TOP		NOTCHES		BORED HOLES
PLATES, 2x OR 3x SILL PLATES	MIN. SPACING	"L" MAX.	"W" MAX.	MAX. DIA.
2x4	6'-0"	3-1/2"	1-1/2"	1-1/4"
2x6	6'-0"	5-1/2"	2"	2"
2x8	6'-0"	5-1/2"	3"	3"

D	ALLOV	V. PL.	BOF	RING/	NOTCH	IING
D'	4 NTS					

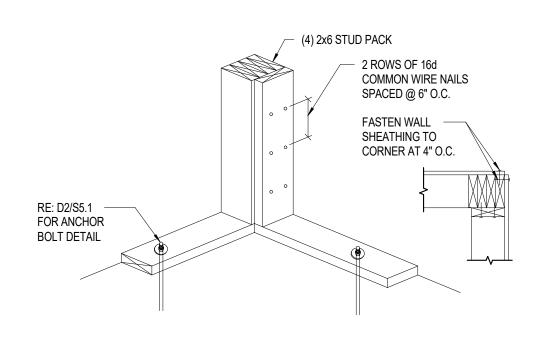


BOTTOM CHORD TRUSS BRACING

	ALLOW. STUD BORING/NOTCHING NTS
(R5)	7 LEGITI GIOD DOMINO/HOTOI III O
	NTS







11	TYP. CORNER STUD DETAIL
14 /	NTS

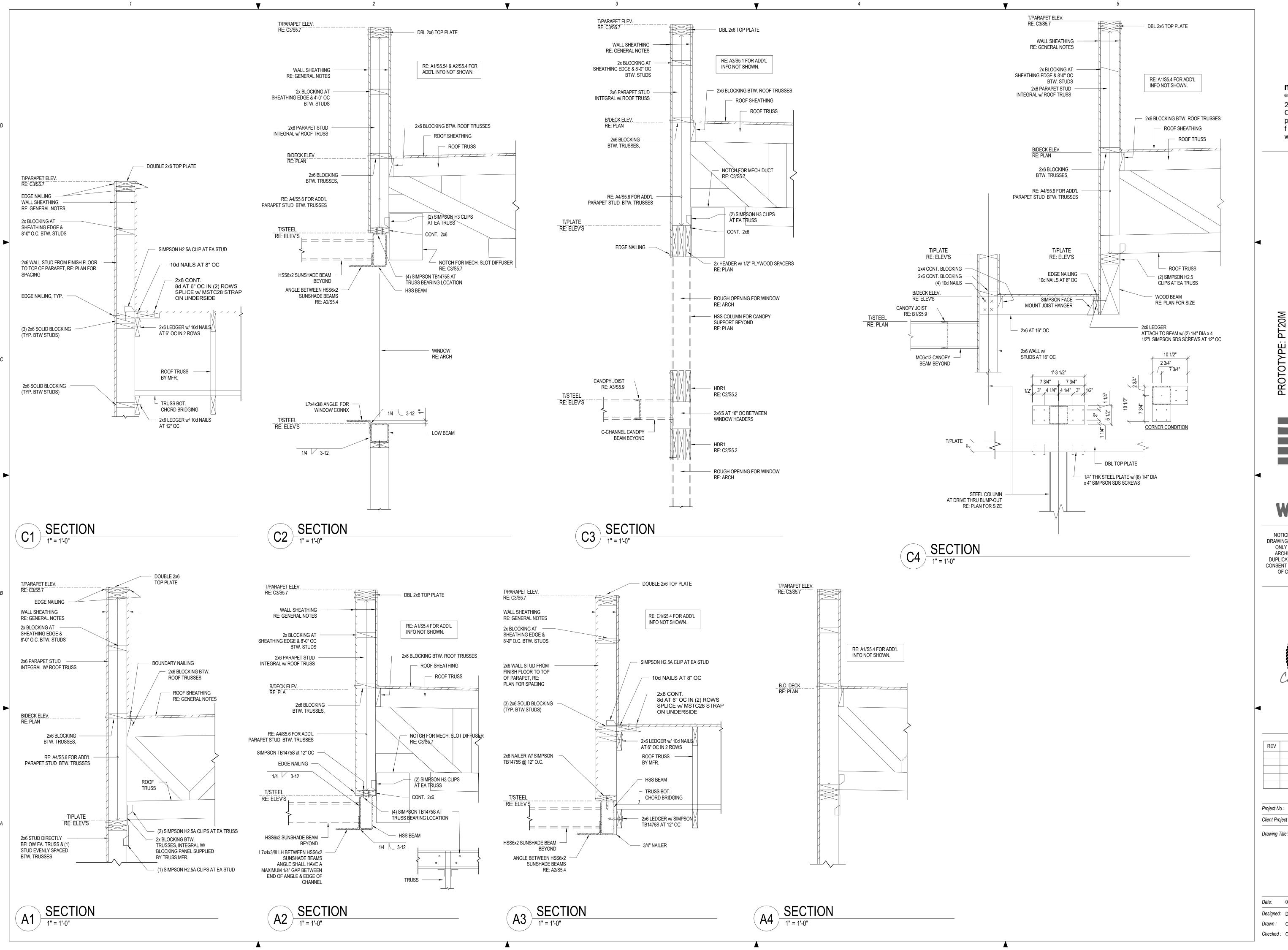








(3)-2x LAMINATIONS WITH (2)-2x LAMINATIONS WITH ONE ROW OF STAGGERED TWO ROWS OF 30d COMMON 10d COMMON WIRE NAILS. WIRE NAILS. (D=0.207",L=4 1/2") (D=0.148",L=3") "+" DENOTES NAILS DRIVEN FROM BACK FACE





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HOLLYWOOD ST LEE'S SUMMIT, MO 64082

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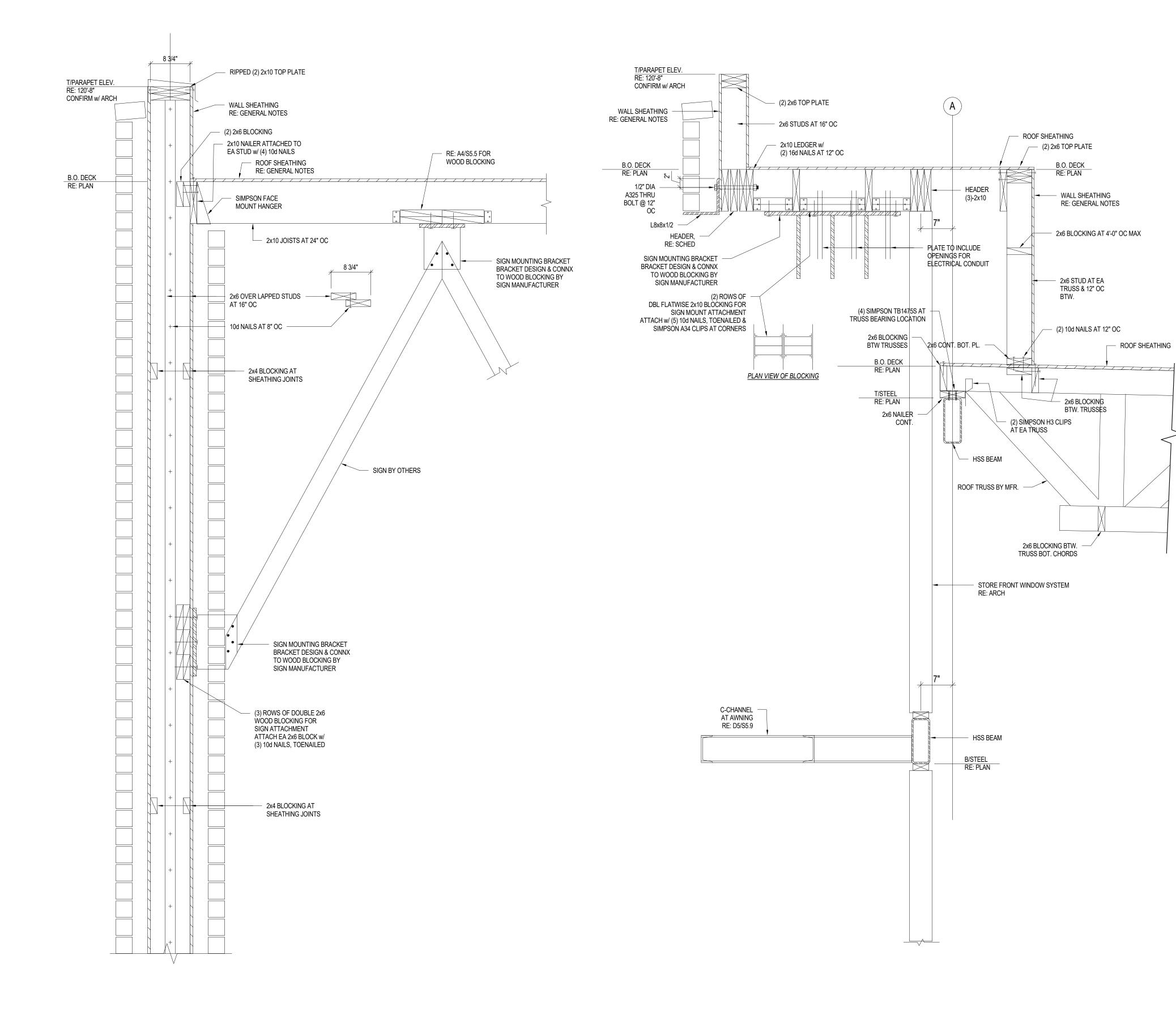
PROFESSIONAL OF RECORD: CRAIG E. METZGER NO. 2019031268 EXP DATE: 12/31/23

	REV	DESCRIPTION	DATE

40497-21 Client Project No.:

FRAMING DETAILS

Date:	06.29.2022	Phase:	PERMIT SET
Designed:	DMS	Drawing N	0.:
Drawn :	CLS	O.F.	1
Checked:	CEM	S5.	4



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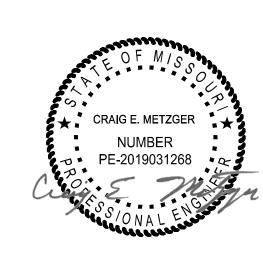
M SUMMIT,

PROTOTYPE Ш Щ

ROOF SHEATHING

WHATABURGER

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PROFESSIONAL OF RECORD: CRAIG E. METZGER NO. 2019031268 EXP DATE: 12/31/23

REV	DESCRIPTION	DATE

Project No.: 40497-21 Client Project No.:

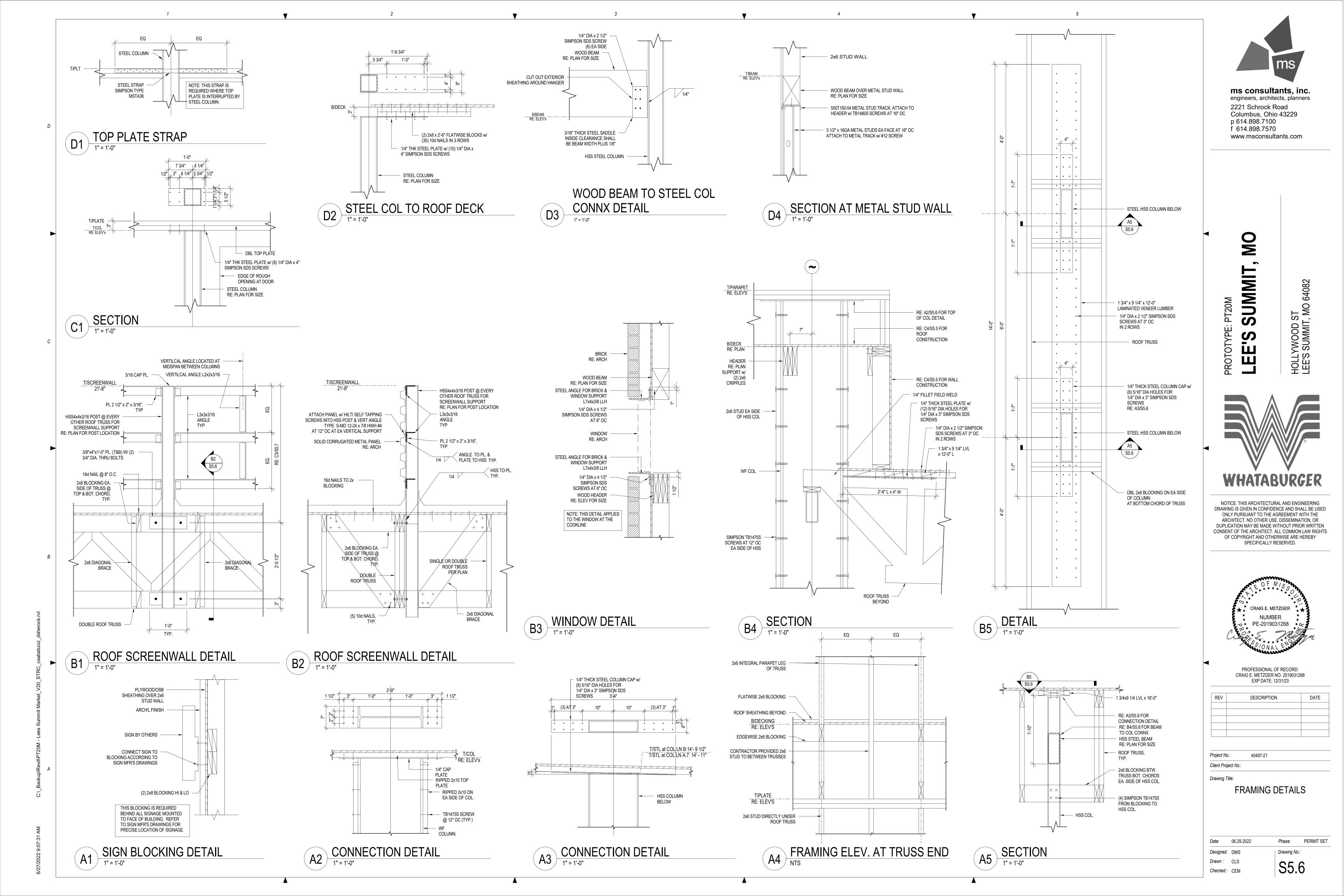
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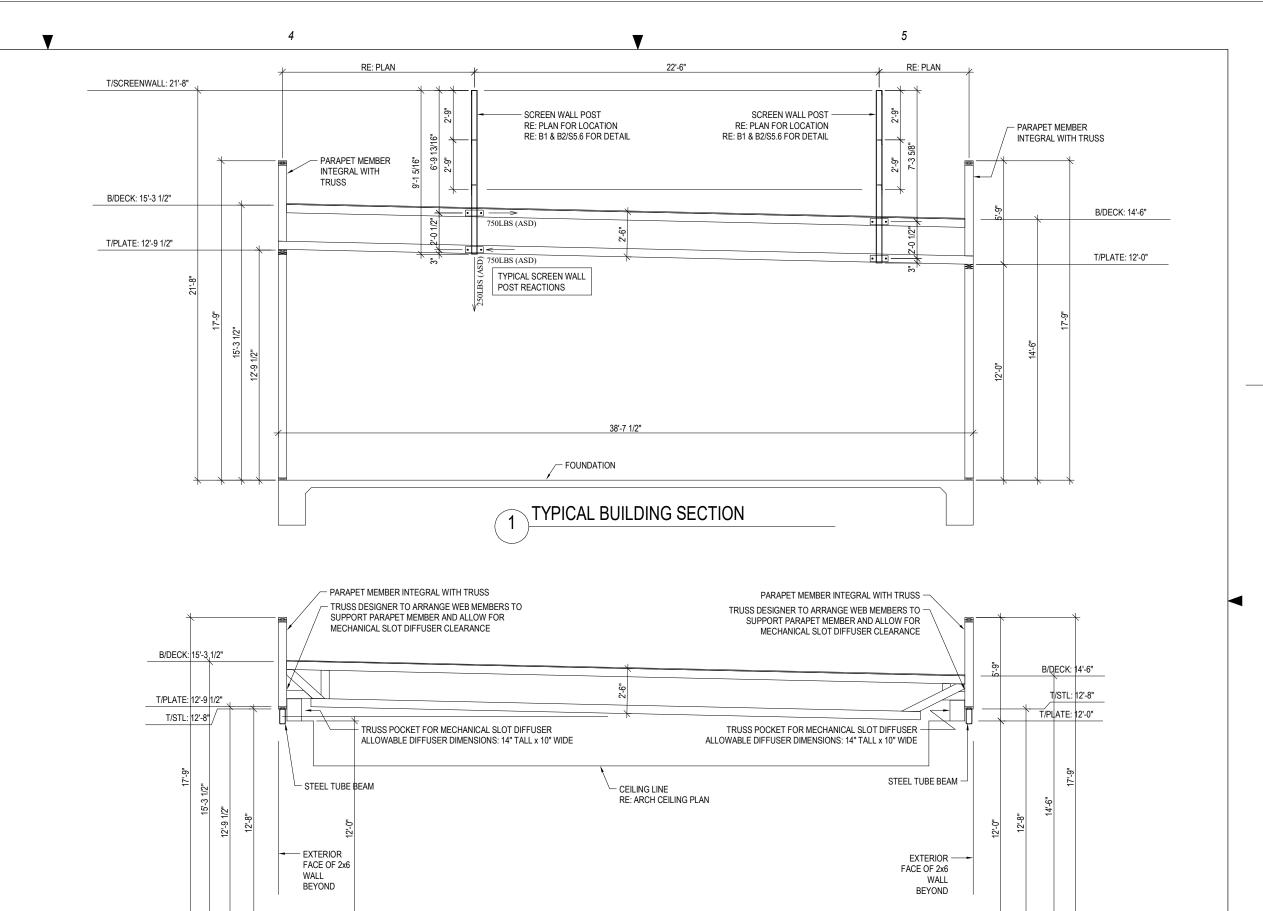
FRAMING DETAILS

PERMIT SET Date: 06.29.2022 Phase: Designed: DMS Drawing No.: Drawn: CLS S5.5 Checked: CEM

SECTION AT ENTRY PORTAL SIDE WALL

SECTION AT ENTRY PORTAL





TYPICAL BUILDING SECTION AT DINING PRE-MANUFACTURED ROOF TRUSS DIAGRAM



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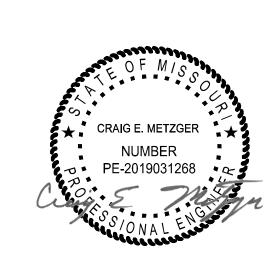
PROTOTYPE

LEE'S

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REV	DESCRIPTION	DATE

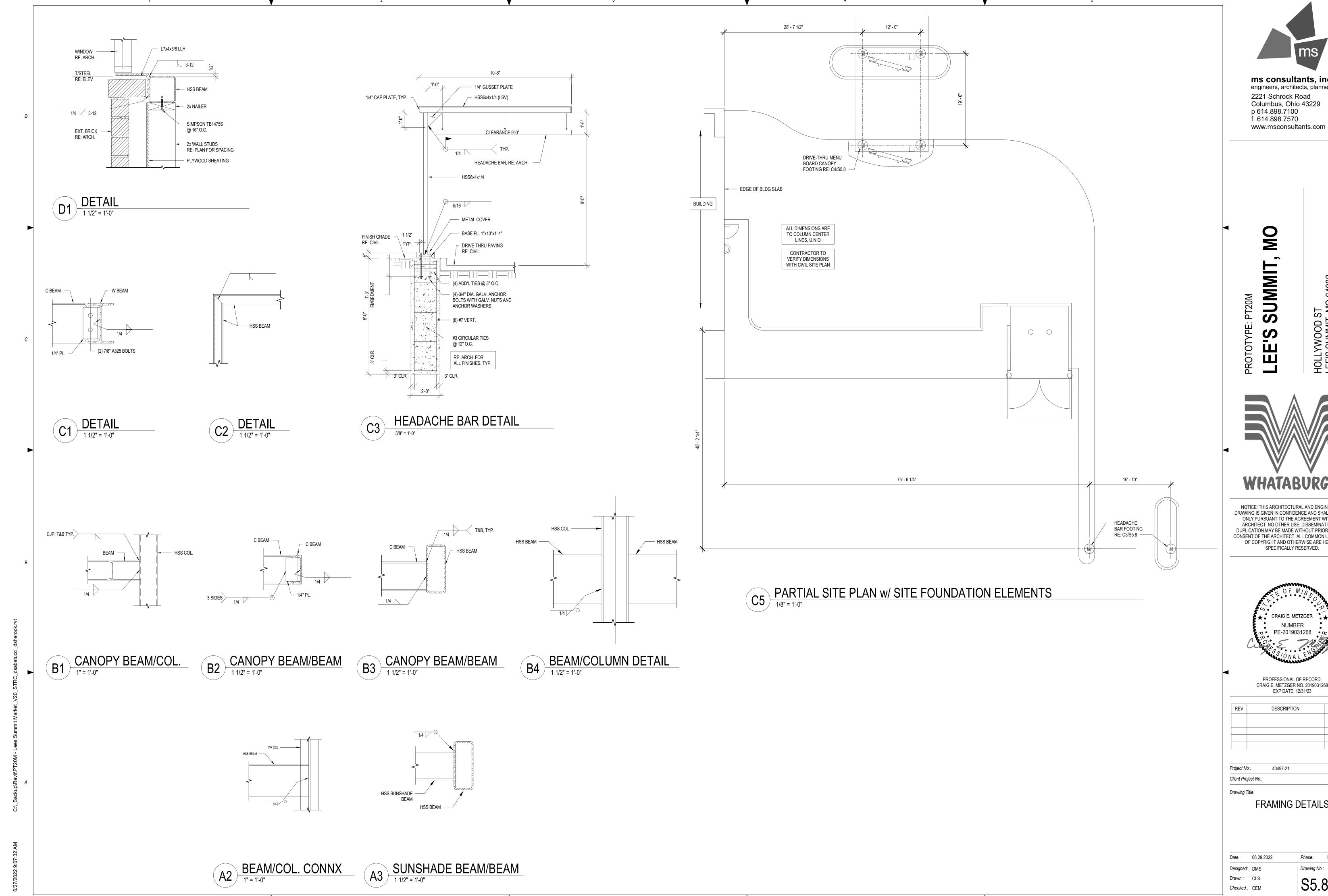
Project No.: 40497-21 Client Project No.:

Drawing Title:

FRAMING DETAILS

PERMIT SET Date: 06.29.2022 Designed: DMS Drawing No.: Drawn: CLS Checked: CEM

S5.7



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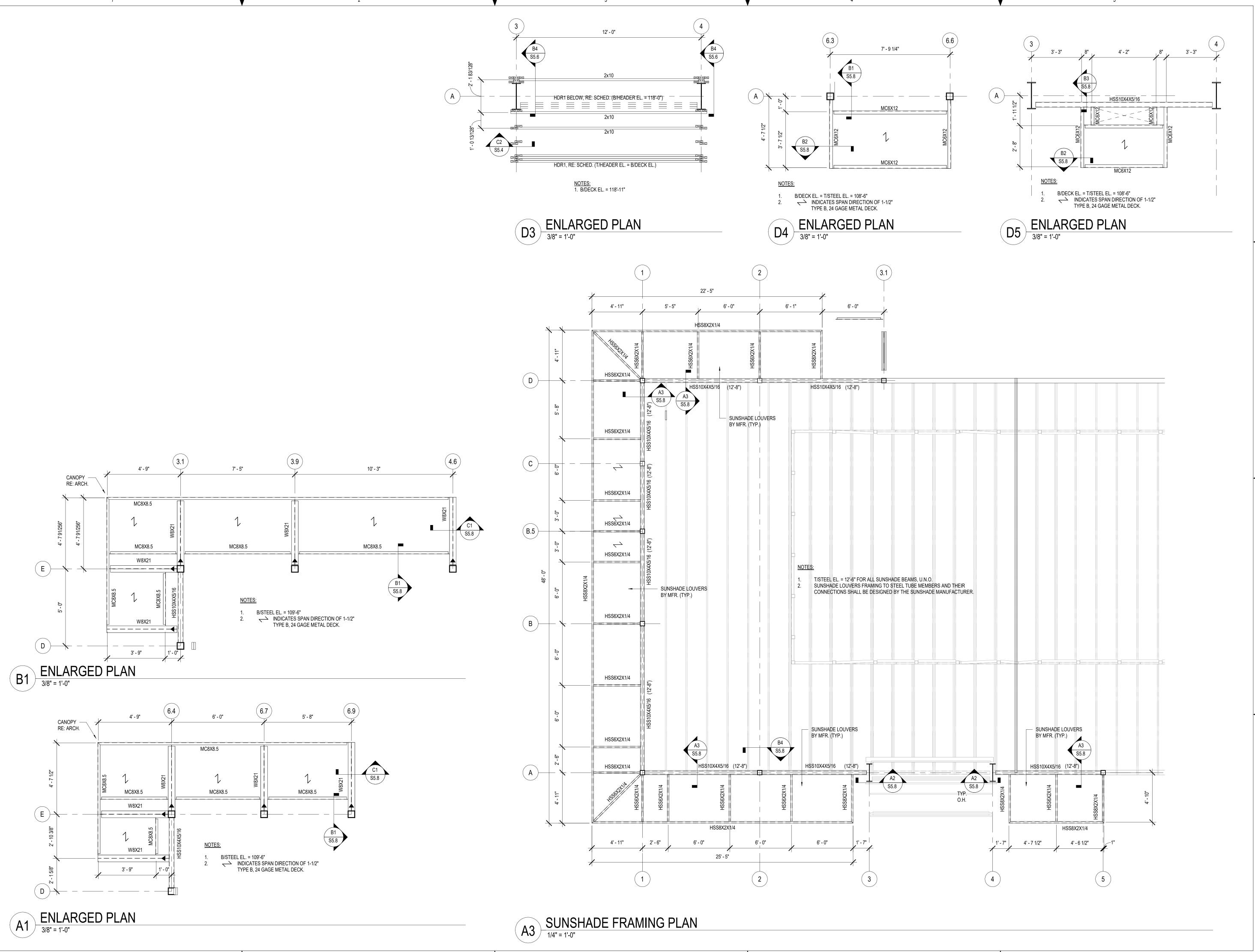
PROFESSIONAL OF RECORD: CRAIG E. METZGER NO. 2019031268 EXP DATE: 12/31/23

REV	DESCRIPTION	DATE

40497-21

FRAMING DETAILS

PERMIT SET S5.8





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SUMMIT, MO

PROTOTYPE: PT20M
LEE'S SUN

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PROFESSIONAL OF RECORD: CRAIG E. METZGER NO. 2019031268 EXP DATE: 12/31/23

	REV	DESCRIPTION	DATE

Project No.: 40497-21

Client Project No.:

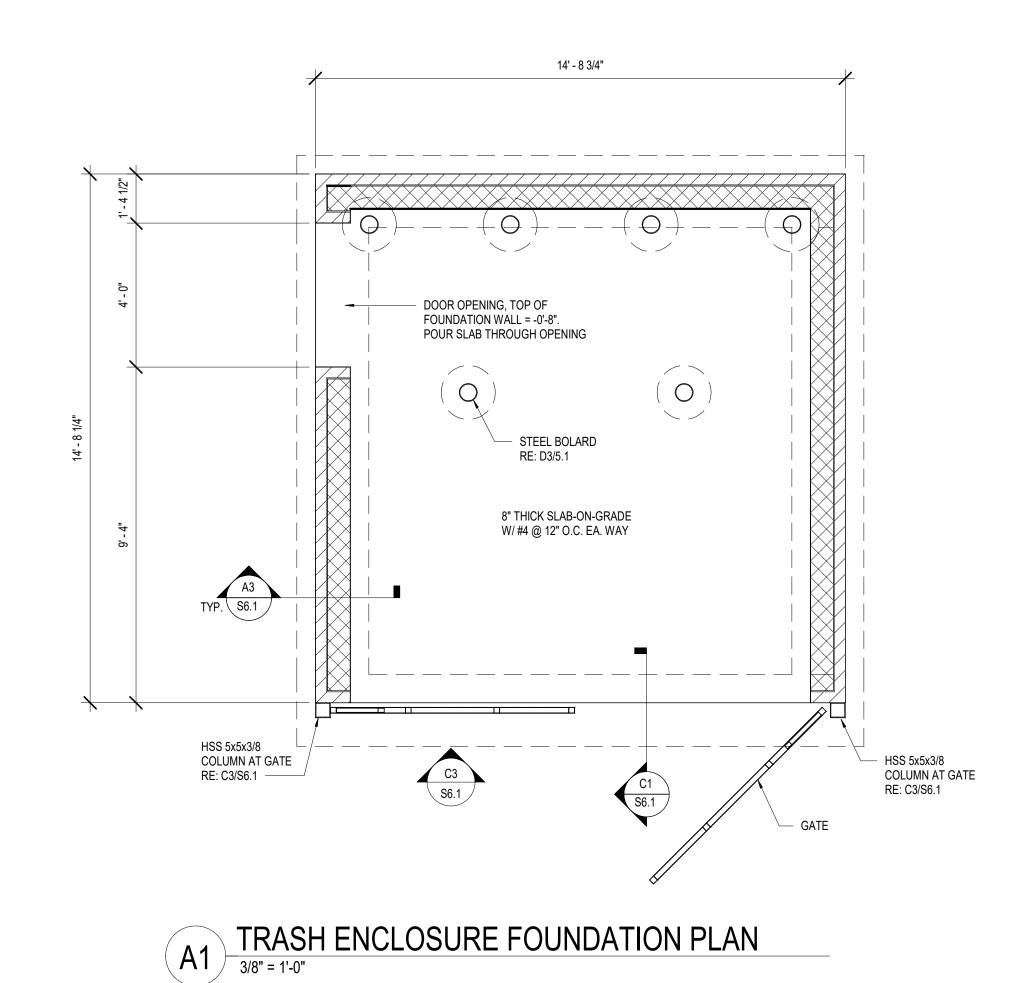
Drawing Title:

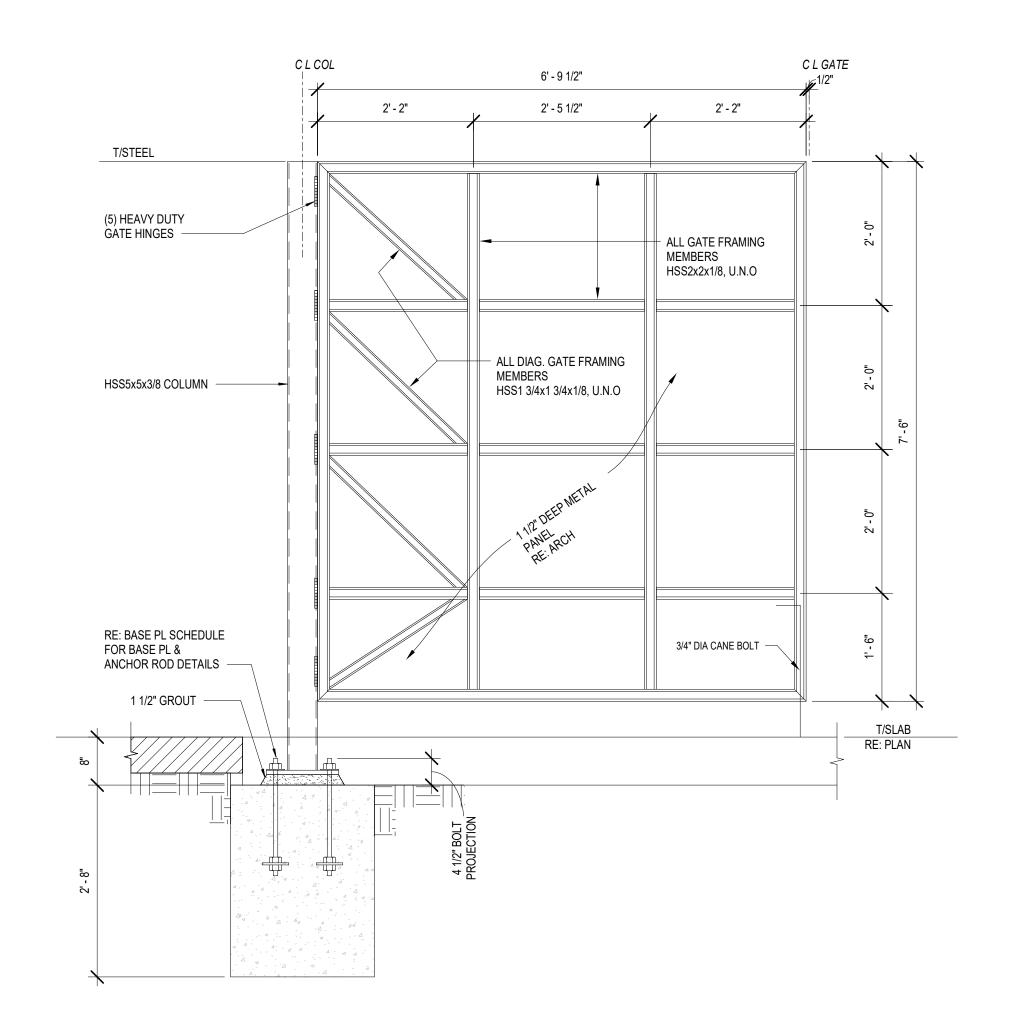
Drawing Title:

ENLARGED PLANS

Date:	06.29.2022	Phase:	PERMIT SET
Designed:	DMS	Drawing No.:	
Drawn :	CLS	CE (`
Checked :	CEM	S5.9)

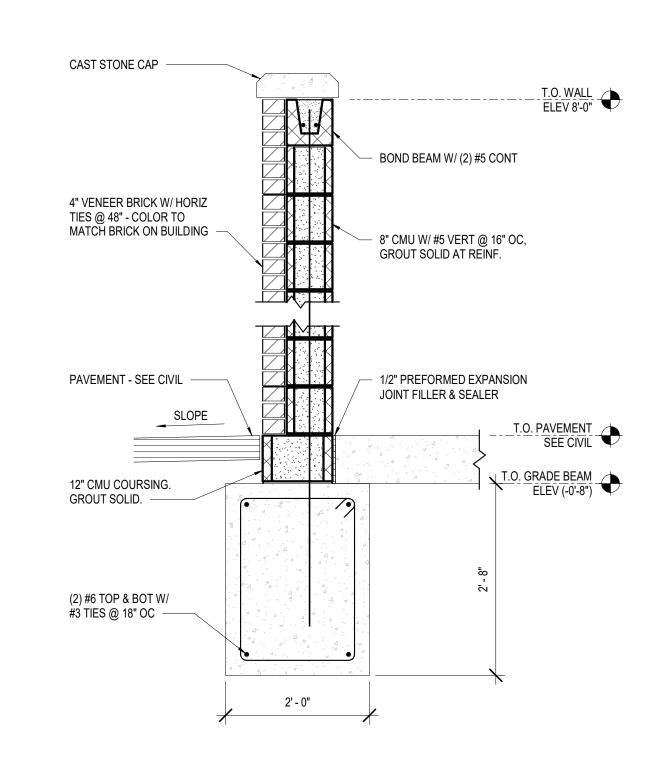
TRASH ENCLOSURE SECTION AT FRONT
3/4" = 1'-0"



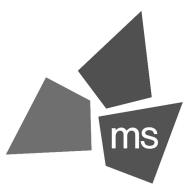


TRASH ENCLOSURE GATE ELEVATION

3/4" = 1'-0"



DUMPSTER WALL SECTION $(A3) \frac{DUIVIP}{3/4" = 1'-0"}$



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PROTOTYPE: **LEE'S**

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REV	DESCRIPTION	DATE

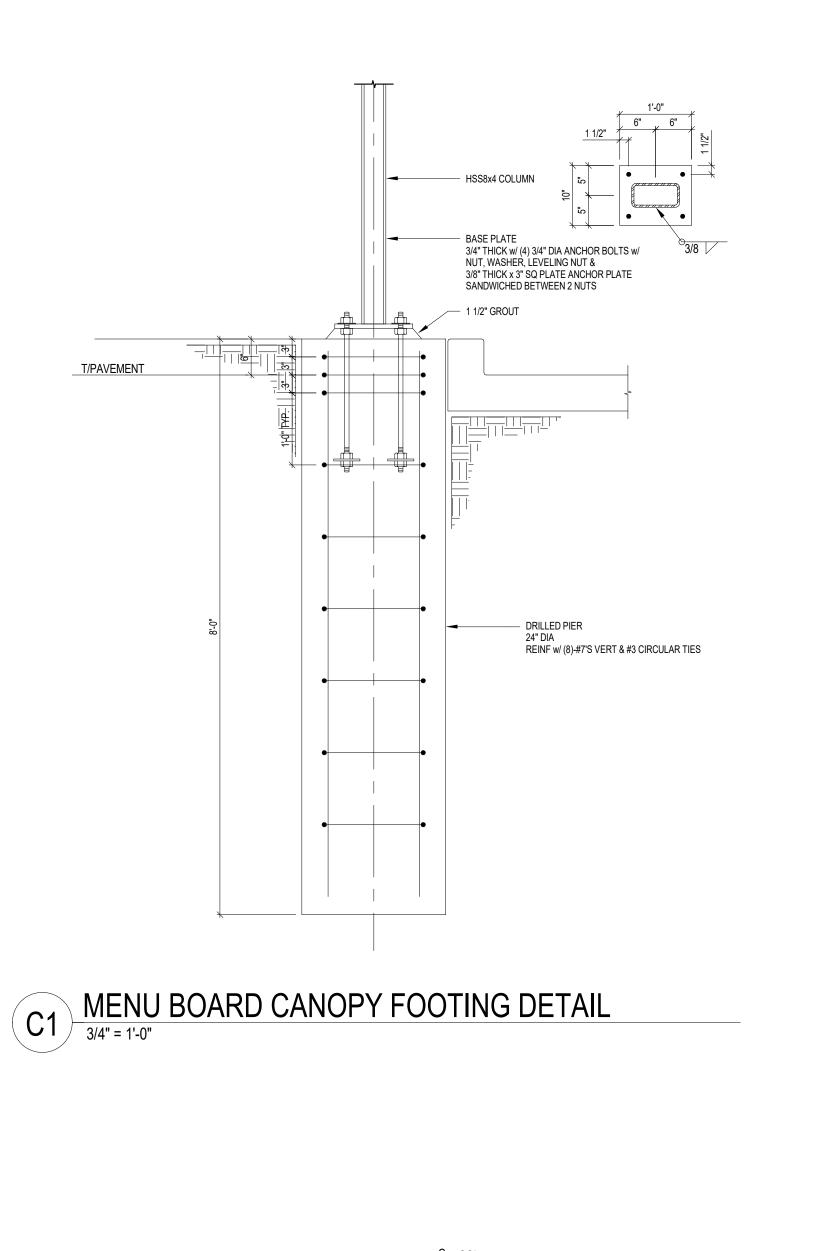
40497-21 Project No.: Client Project No.:

Drawing Title:

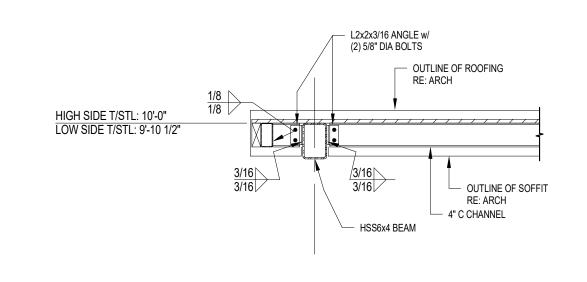
DUMPSTER ENCLOSURE PLANS & DETAILS

Date: 06.29.2022 PERMIT SET Phase: Designed: DMS Drawing No.: Drawn: CLS Checked: CEM

S6.1



A1 DOUBLE MENU BOARD CANOPY FOUNDATION PLAN
3/8" = 1'-0"



ROOF DECK5/8" THICK PLYWOOD/OSB ATTACH TO WOOD NAILERS w/

HSS4x4 BEAM

3/8" CAP PLATE HSS8x4 COLUMN

RING SHANK 8d NAILS AT 6" OC

BEAM TO BEAM CONNX DETAIL

RIPPED 2x6 NAILER -

HSS4x2 BEAM -

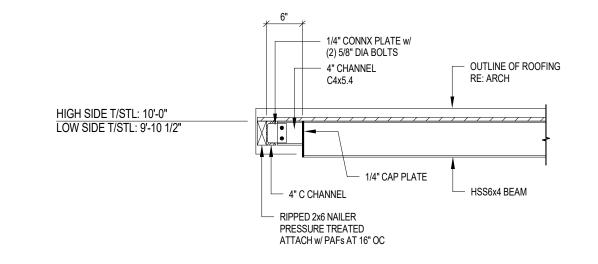
COLUMN TO BEAM CONNX DETAIL

C4x5.4 CHANNEL -

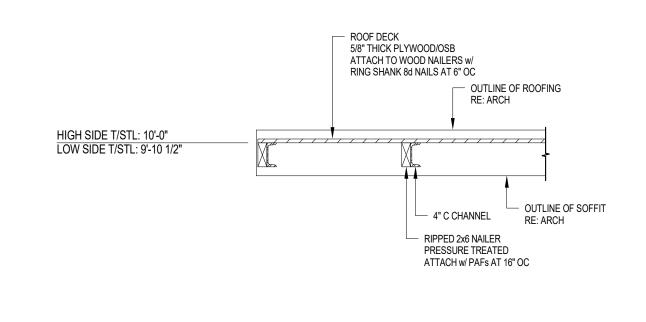
PRESSURE TREATED

ATTACH w/ PAFs AT 16" OC

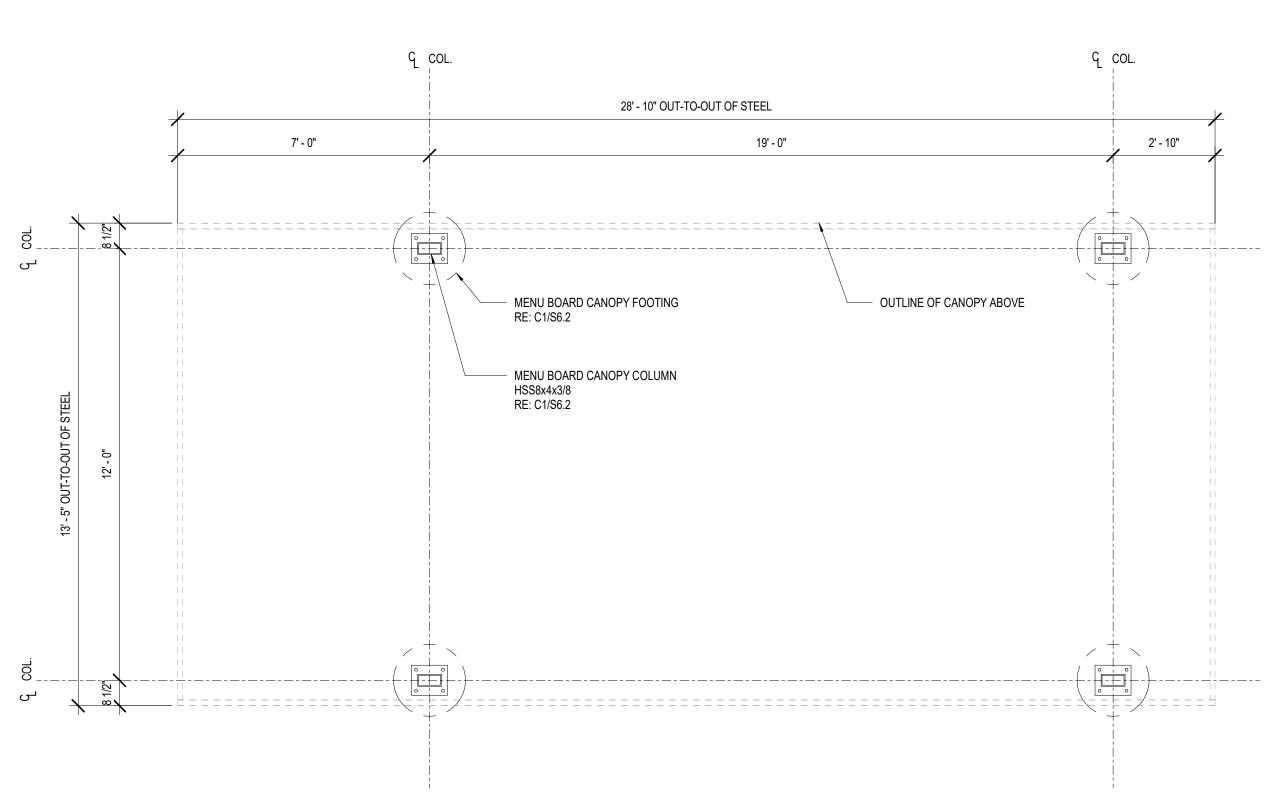
HIGH SIDE T/STL: 10'-0" LOW SIDE T/STL: 9'-10 1/2"

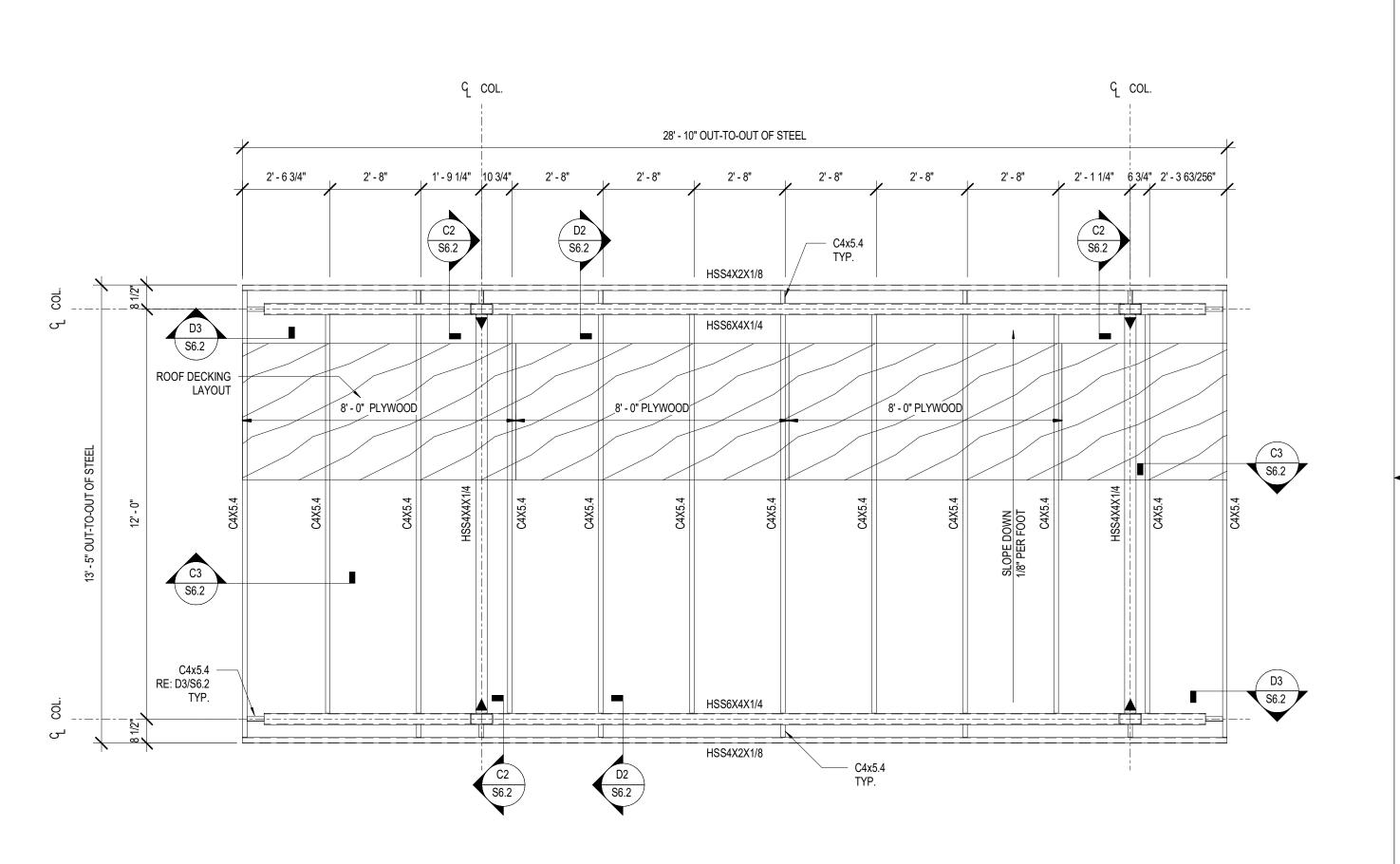


BEAM TO BEAM CONNX DETAIL



(C3) ROOF 3/4" = 1'-0"





DOUBLE MENU BOARD CANOPY FRAMING PLAN

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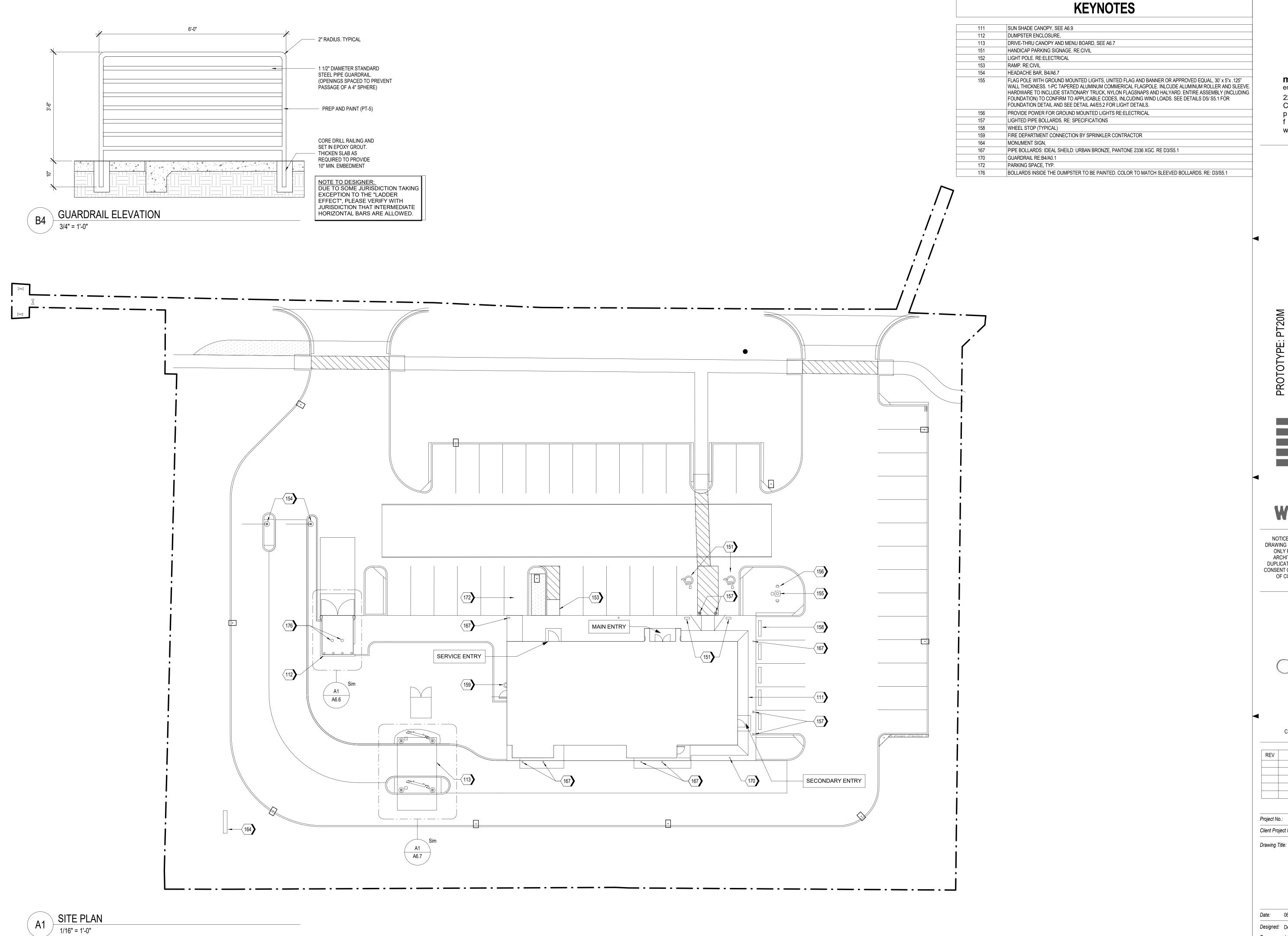
Project No.: 40497-21

Client Project No.:

Drawing Title:

DOUBLE MENU BOARD CANOPY

	Date:	06.29.2022	Phase:	PERMIT SET
	Designed:	DMS	Drawing No.:	
	Drawn:	CLS	26 (,
1	Chacked:	CEM	.5n	





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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

REV	DESCRIPTION	DATE

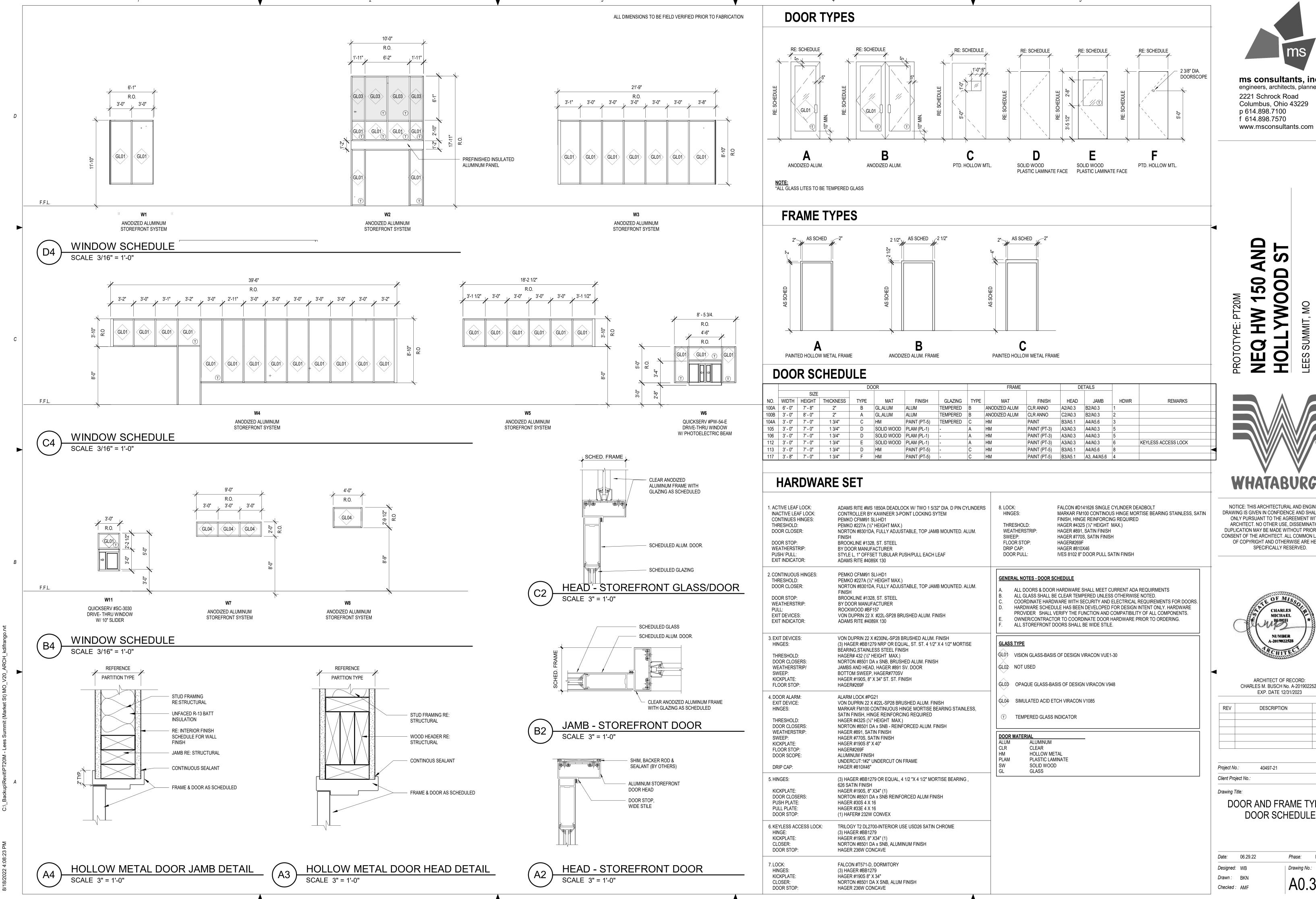
40497-21 Project No.: Client Project No.:

SITE PLAN

PERMIT SET Date: 06.29.22 Phase: Designed: Designer Drawing No.:

Drawn: Author Checked: Checker

A0.1



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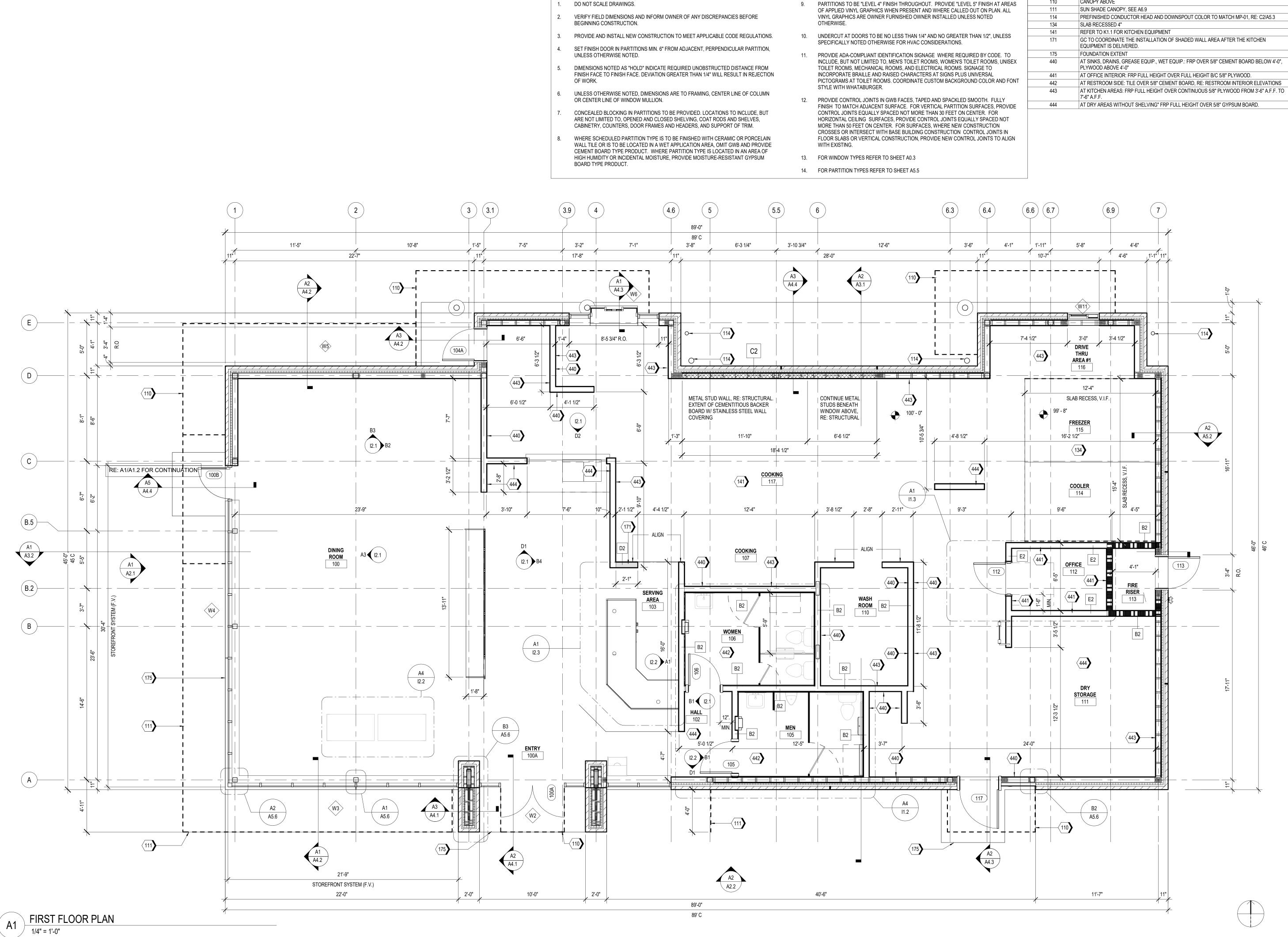


ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528

	DATE

DOOR AND FRAME TYPES, DOOR SCHEDULE

PERMIT SET Phase: Drawing No.:



NOTES



KEYNOTES

CANOPY ABOVE

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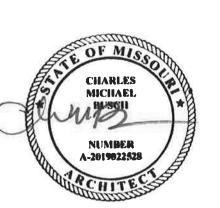
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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

REV	DESCRIPTION	DATE

Project No.: 40497-21

Client Project No.: Drawing Title:

FLOOR PLAN

Date: 06.29.22 Designed: WB Drawing No.

Drawn: MDK Checked: RM

PARTIAL FLOOR PLAN AT DINING ROOM CLERESTORY

ms

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HW 150 AND
WOOD ST

NEQ HW 19 HOLLYWO



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	REV	DESCRIPTION	DATE
_			<u> </u>

Project No.: 40497-21

Client Project No.:

Drawing Title:

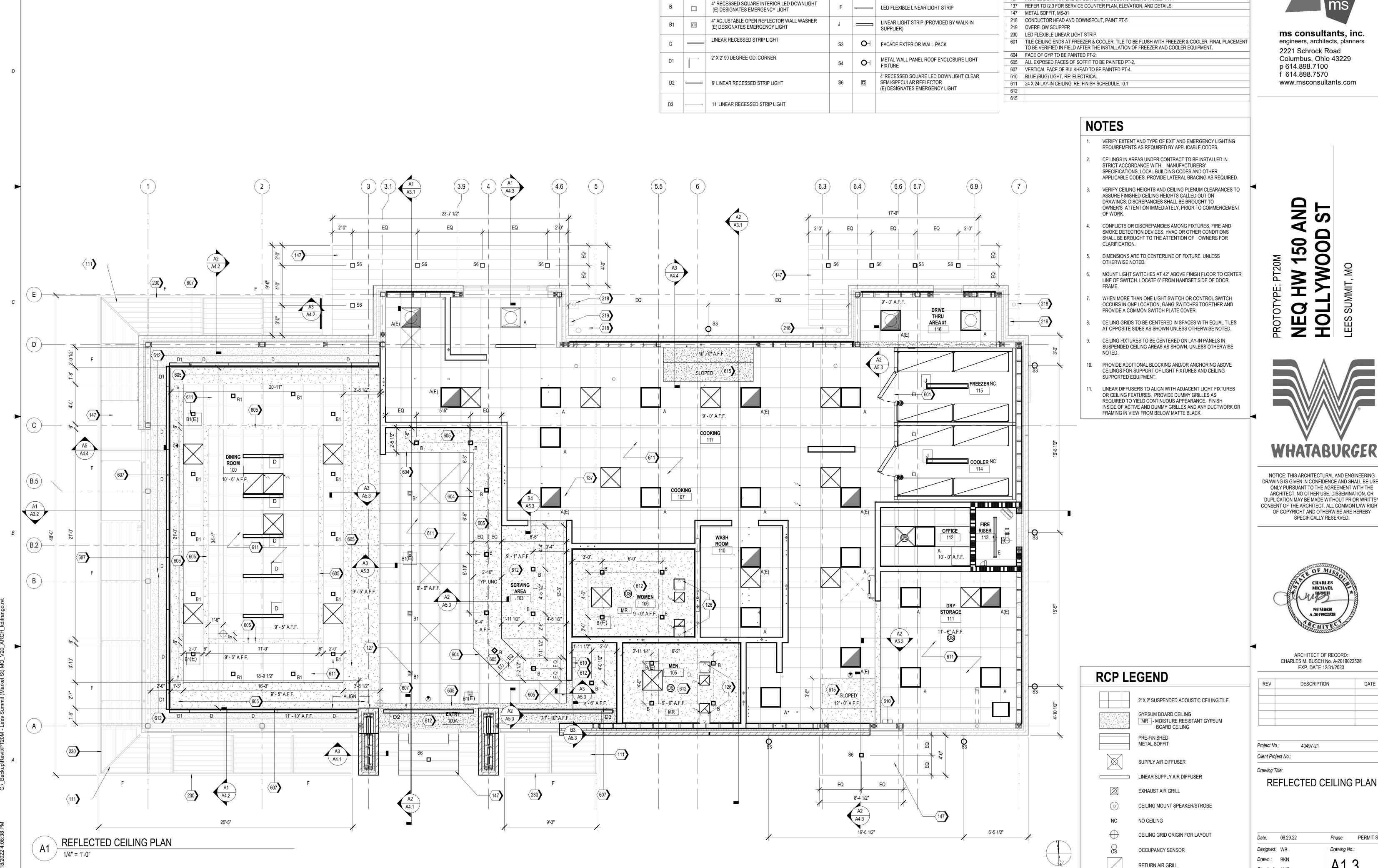
ENLARGED FLOOR PLAN

 Date:
 06.29.22
 Phase:
 PERMIT SET

 Designed:
 Designer
 Drawing No.:

Drawn: Author
Checked: Checker

A1.2



LIGHT FIXTURE SCHEDULE

(E) DESIGNATES EMERGENCY LIGHT

KEYNOTES

127 INSTALL LIGHT FIXTURE ON CENTER OF ACOUSTIC CEILING PANEL, TYP.

111 SUN SHADE CANOPY, SEE A6.9

126 ACCESS PANEL

BACK OF HOUSE LED SHOPLIGHT

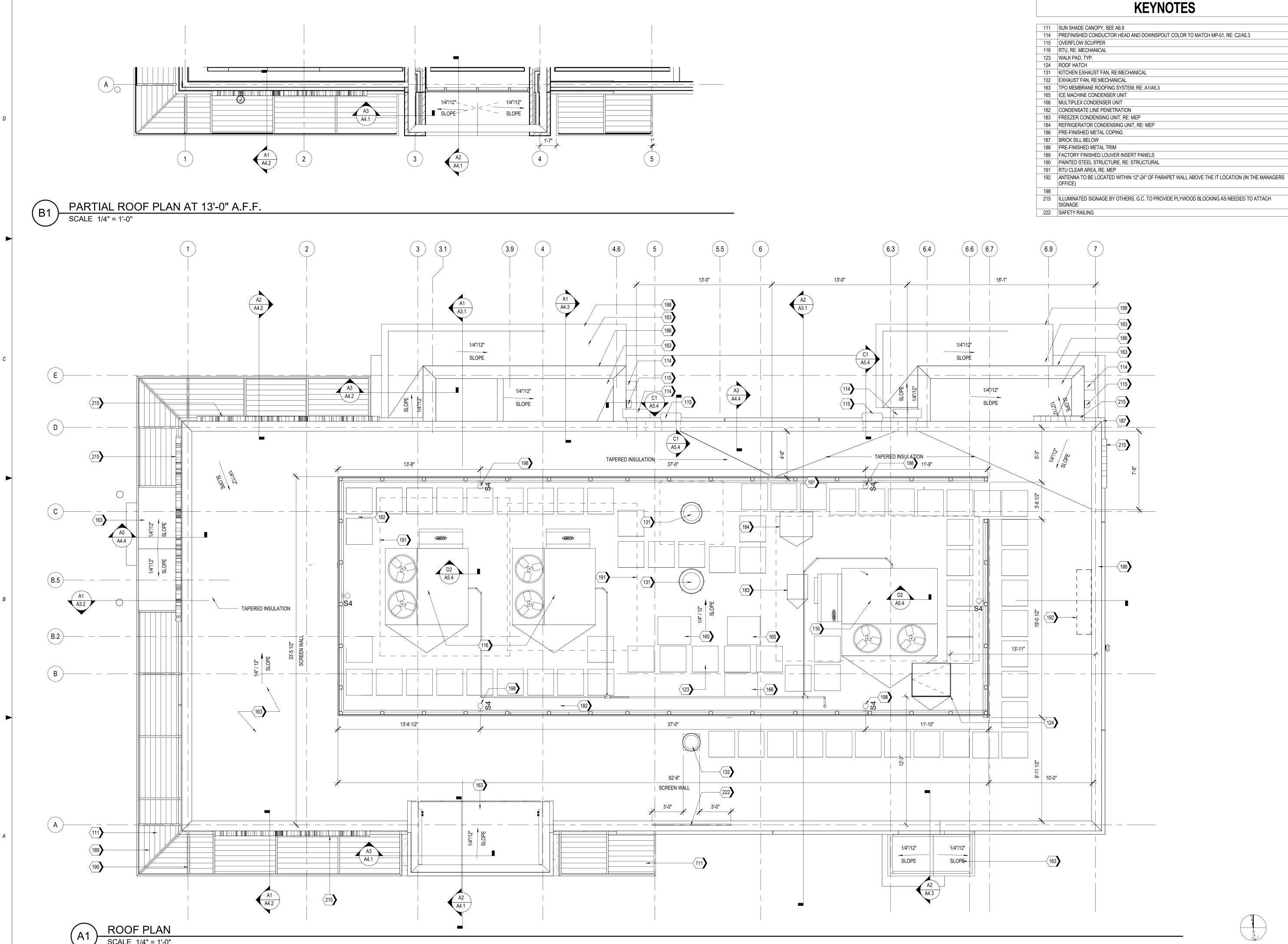
SUSPEND FROM STRUCTUE ABOVE BY CHAINS

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PERMIT SET

Checked: AMF





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HW 150 AND
WWOOD ST

NEQ HW 1 HOLLYW0



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REV	DESCRIPTION	DATE

Project No.: 40497-21

Client Project No.:

Client Project N

Drawing Title:

ROOF PLAN

 Date:
 06.29.22
 Phase:
 PERMIT SET

 Designed:
 WB
 Drawing No.:

Drawn: BKN
Checked: AMF

A1.4

208

203

233

211

231

T.O. MECH. SCREEN WALL

GLAZING SF 0 SF BRICK SF 629 SF METAL SF 216 SF TOTAL SF 845 SF

GLAZING SF 313 SF BRICK SF 375 SF METAL SF 197 SF TOTAL SF 885 SF

\T.O. PARAPET AT LOW ROOF

B.O. STL. AT CANOPY OVER

OF DRIVE THRU

112' - 0"

T.O. SLAB 100' - 0"

1. EXTERIOR SIGNAGE TO BE PERMITED UNDER A SEPARATE SIGN PERMIT SET.

KEYNOTES

163 TPO MEMBRANE ROOFING SYSTEM; RE: A1/A5.3 167 PIPE BOLLARDS: IDEAL SHEILD: URBAN BRONZE, PANTONE 2336 XGC. RE D3/S5.1

203 MP-01; PRE-FINISHED CORRUGATED METAL PANEL

204 MP-02

205 BR-01; BRICK VENEER 206 BR-02

208 MC-01; PRE-FINISHED METAL COPING 209 SS-01; ALUMINUM STOREFRONT SYSTEM

210 PRE-FINISHED DRIVE-THRU CANOPY 211 ENTRY PORTAL CANOPY, PAINT PT-5 213 SERVICE DOOR CANOPY, PAINT PT-5

214 SUN SHADE CANOPY, SEE A6.9 215 ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH

219 OVERFLOW SCUPPER

221 DRIVE-THRU WINDOW 229 MP-03; ROOF SCREEN WALL, RE: STRUCTURAL

218 CONDUCTOR HEAD AND DOWNSPOUT, PAINT PT-5

231 MASONRY EXPANSION JOINT

232 FIRE DEPARTMENT CONNECTION, RE: FIRE PROTECTION 233 EXTERIOR LIGHT FIXTURE, RE: ELECTRICAL

234 RTU, RE: MECHANICAL 236 RISER ROOM SIGN (PER 2015 IFC CHAPTER 5 - APPROVED SIGNS SHALL BE CONSTRUCTED OF DURABLE MATERIALS, PERMANENTLY INSTALL AND READILY VISIBLE. LETTERS SHALL BE A MINIMUM OF 2" WITH A MINIMUM 3/8" STROKE, THE COLORS OF THE LETTERS SHALL BE CONTRASTING WITH RESPECT TO

BACKGROUND.

237 BUILDING ADDRESS 6"HIGH WHITE VINYL NUMBERS WITH 1" STROKE, 10' A.F.G. 238 GENERAL CONTRACTOR SHALL PROVIDE A KNOX BOX PER JURISDICTIONAL REQUIREMENTS, LOCATION TO

BE VERIFIED PRIOR TO CONSTRUCTION. 239 EMERGENCY STEP LIGHT. RE: ELECTRICAL

240 DASHED LINE INDICATES TOP OF DECK. 241 DASHED LINE INDICATES ROOF TOP EQUIPMENT

EXTERIOR MATERIAL SCHEDULE

VISION GLASS BASIS OF DESIGN: VIRACON VUE1-30 SHADING COEFFICIENT (SC): .20 EXTERIOR REFLECTION: 19% SOLAR HEAT GAIN COEFFICIENT (SHGC): .18 U-FACTOR: .26

GL-02 NOT USED

GL-03 OPAQUE GLASS BASIS OF DESIGN: VIRACON V948

GL-04 SIMULATED ACID ETCHED VIRACON V1085

STOREFRONT SYSTEM BASIS OF DESIGN: OLDCASTLE STYLE: FG-3000 FINISH: CLEAR ANODIZED

METAL PANEL MANUFACTURER: BERRIDGE STYLE: BR-12 PANEL 0.040 ALUMINUM

COLOR: LEAD-COTE

MP-02 PREFINISHED METAL FLASHING 0.050" THICK COLOR: LEAD-COTE TO MATCH MP-01

METAL PANEL MANUFACTURER: BERRIDGE STYLE: BR-12 PANEL 0.040 ALUMINUM COLOR: LEAD-COTE

BRICK MANUFACTURER: ACME STYLE: UTILITY SIZE: 4" x 4" x 12" COLOR: PARK AVENUE

BR-02 BRICK MANUFACTURER: ACME STYLE: UTILITY SIZE: 4" x 4" x 12" COLOR: DOVE GRAY

MORTAR MANUFACTURER: AHI COLOR: VANILLA -N

MC-01 METAL COPING MANUFACTURER: BERRIDGE STYLE: SHADOWLINE COPING REVEAL COPING COLOR: LEADCOTE

PT-5 PAINT BASIS OF DESIGN: MANUFACTURER: SHERWIN WILLIAMS STYLE: SW 6277 SPECIAL GRAY SHEEN: FLAT

MS-01 METAL SOFFIT MANUFACTURER: BERRIDGE STYLE: HS-8 FINISH: PRE-FINISHED TO MATCH PT-5



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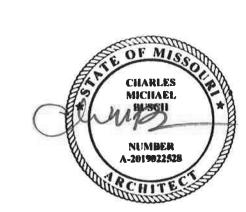
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AND 150

NEQ 9



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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

REV	DESCRIPTION	DATE
1	DEVELOP. SERVICES	8/18/22

Project No.: 40497-21 Client Project No.:

Drawing Title:

EXTERIOR ELEVATIONS

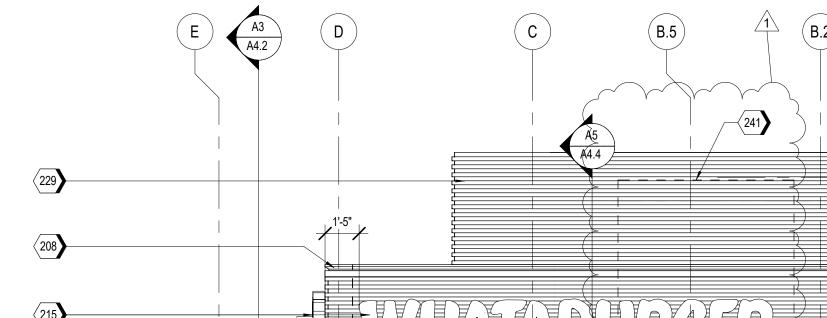
Date:	06.29.22	Phase:	PERMIT SET
Designed:	WB	Drawing No.:	
Drawn :	BKN	A O A	İ
Checked :	AMF	A2.1	

1/4" = 1'-0"

221

WEST ELEVATION

1/4" = 1'-0"



14'-10"

(B.2)

20'-0"

−`ĘIRE

ROOM

T.O. MECH. SCREEN WALL T.O. <u>ST</u>L. <u>CANOPY</u> 112' - 6" T.O. PARAPET AT LOW ROOF 163 OF DRIVE THRU
112' - 0" B.O. STL. AT CANOPY OVER XXXX- 237**)** DRIVE THRU 109' - 6" 205 206 241 (100B) T.O. SILL 3' - 0" |(104A)

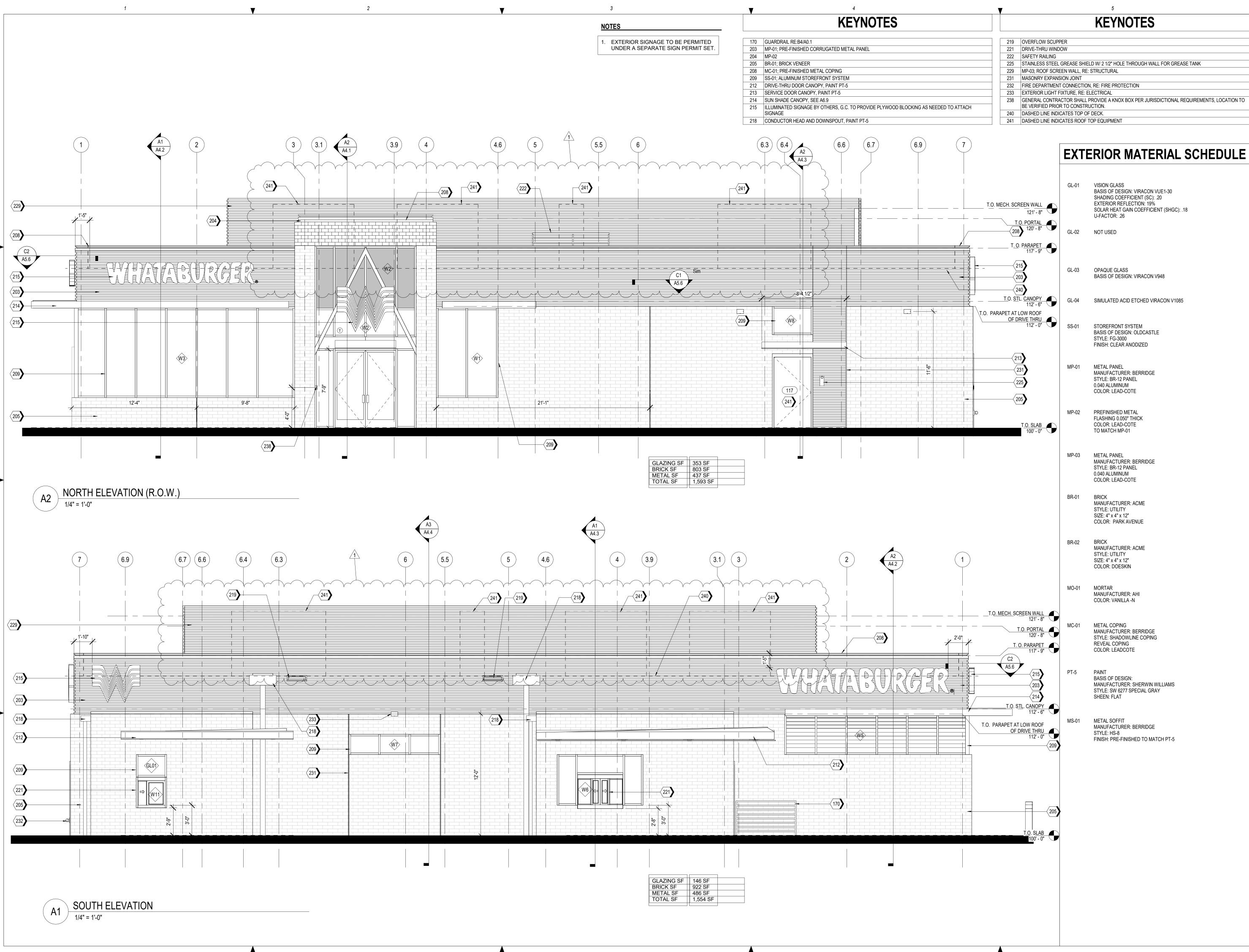
 $(\mathsf{\,c\,})$

10'-0"

12'-5"

A4.4

EAST ELEVATION (R.O.W)





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> HW 150 AND YWOOD ST

NEQ HW HOLLYW

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REV	DESCRIPTION	DATE
1	DEVELOP. SERVICES	8/18/22

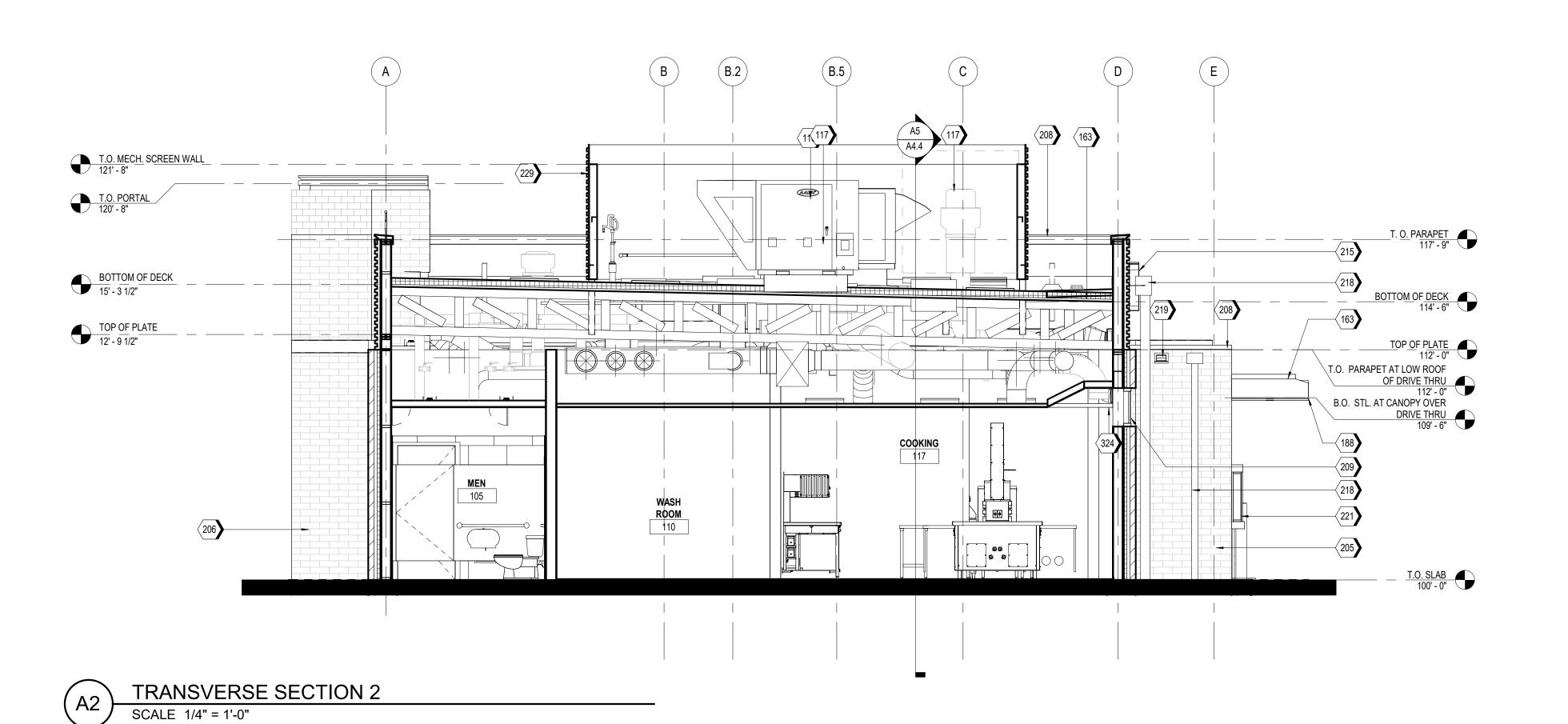
Project No.: 40497-21

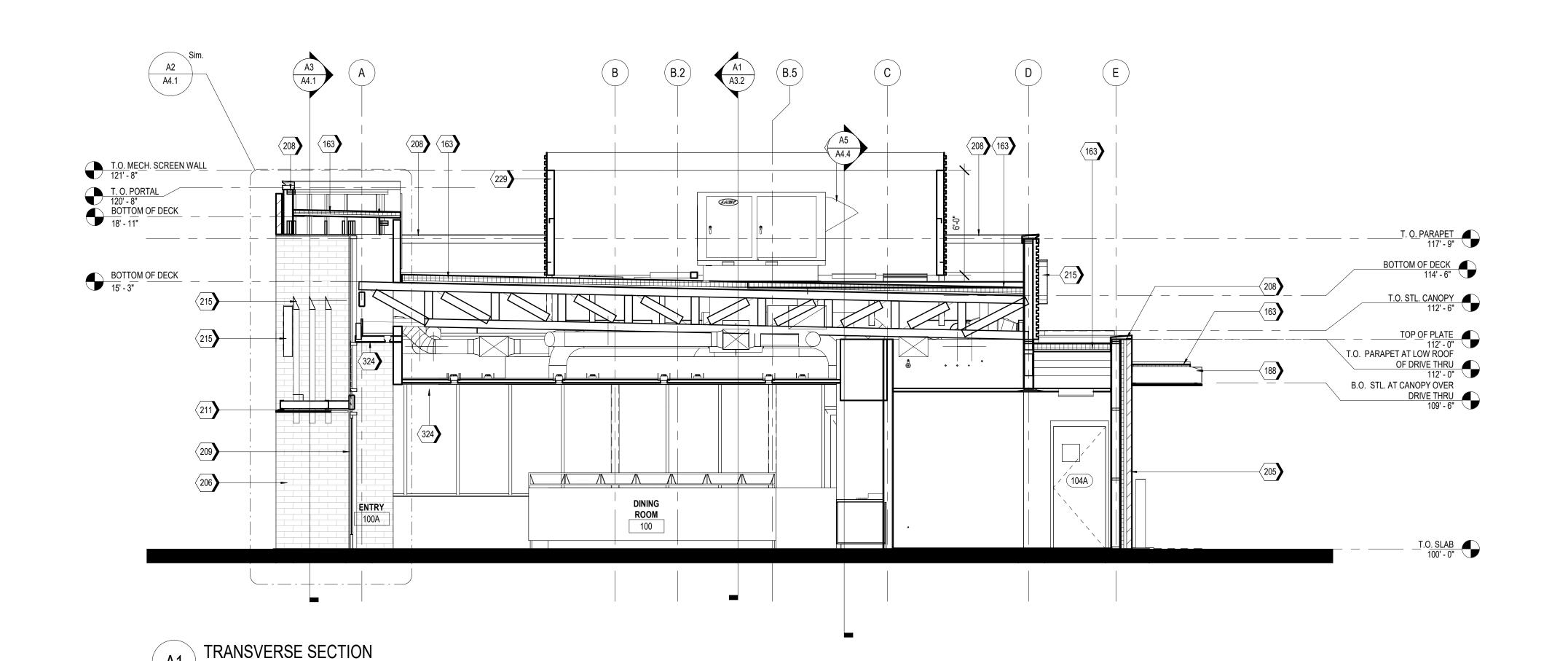
Client Project No.:

Drawing Title:

EXTERIOR ELEVATIONS

Date		06.29.22	Phase:	PERMIT SET
Desig	gned:	WB	Drawing No.:	
Draw	n:	BKN	AD)
Chec	ked :	AMF	A2.2	_
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KEYNOTES

- 116 RTU, RE: MECHANICAL 117 EXHAUST FAN, RE: MECHANICAL
- 163 TPO MEMBRANE ROOFING SYSTEM; RE: A1/A5.3
- 188 PRE-FINISHED METAL TRIM
- 205 BR-01; BRICK VENEER
 206 BR-02
 208 MC-01; PRE-FINISHED METAL COPING
- 209 SS-01; ALUMINUM STOREFRONT SYSTEM
- 211 ENTRY PORTAL CANOPY, PAINT PT-5
- 215 ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE
- 218 CONDUCTOR HEAD AND DOWNSPOUT, PAINT PT-5
- 219 OVERFLOW SCUPPER
- 221 DRIVE-THRU WINDOW 229 MP-03; ROOF SCREEN WALL, RE: STRUCTURAL
- 324 CEILING AS SCHEDULED, RE: A1.3



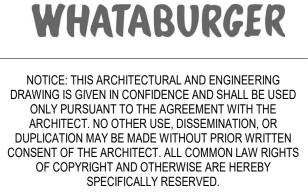
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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

REV	DESCRIPTION	DATE

Project No.: 40497-21 Client Project No.:

Drawing Title:

BUILDING SECTIONS

Date:	06.29.22	Phase:	PERMIT SI
Designed:	WB	Drawing No.:	
Drawn :	BKN	A O 4	ı

Checked: AMF

A3.1

163 TPO MEMBRANE ROOFING SYSTEM; RE: A1/A5.3

203 MP-01; PRE-FINISHED CORRUGATED METAL PANEL 205 BR-01; BRICK VENEER

208 MC-01; PRE-FINISHED METAL COPING
209 SS-01; ALUMINUM STOREFRONT SYSTEM

213 SERVICE DOOR CANOPY, PAINT PT-5 215 ILLUMINATED SIGNAGE BY OTHERS, G.C. TO PROVIDE PLYWOOD BLOCKING AS NEEDED TO ATTACH SIGNAGE

229 MP-03; ROOF SCREEN WALL, RE: STRUCTURAL 241 DASHED LINE INDICATES ROOF TOP EQUIPMENT

320 RIGID INSULATION

324 CEILING AS SCHEDULED, RE: A1.3 607 VERTICAL FACE OF BULKHEAD TO BE PAINTED PT-4.

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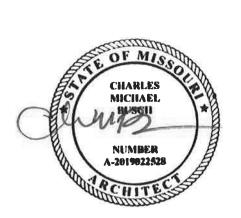
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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

	REV	DESCRIPTION	DATE
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40497-21 Project No.: Client Project No.:

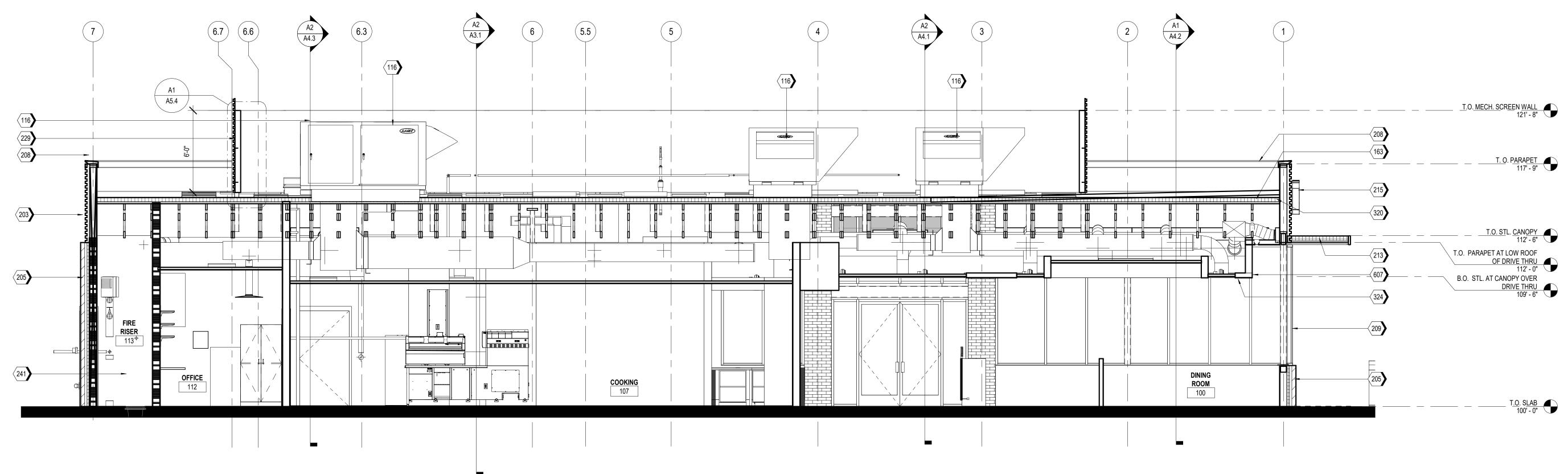
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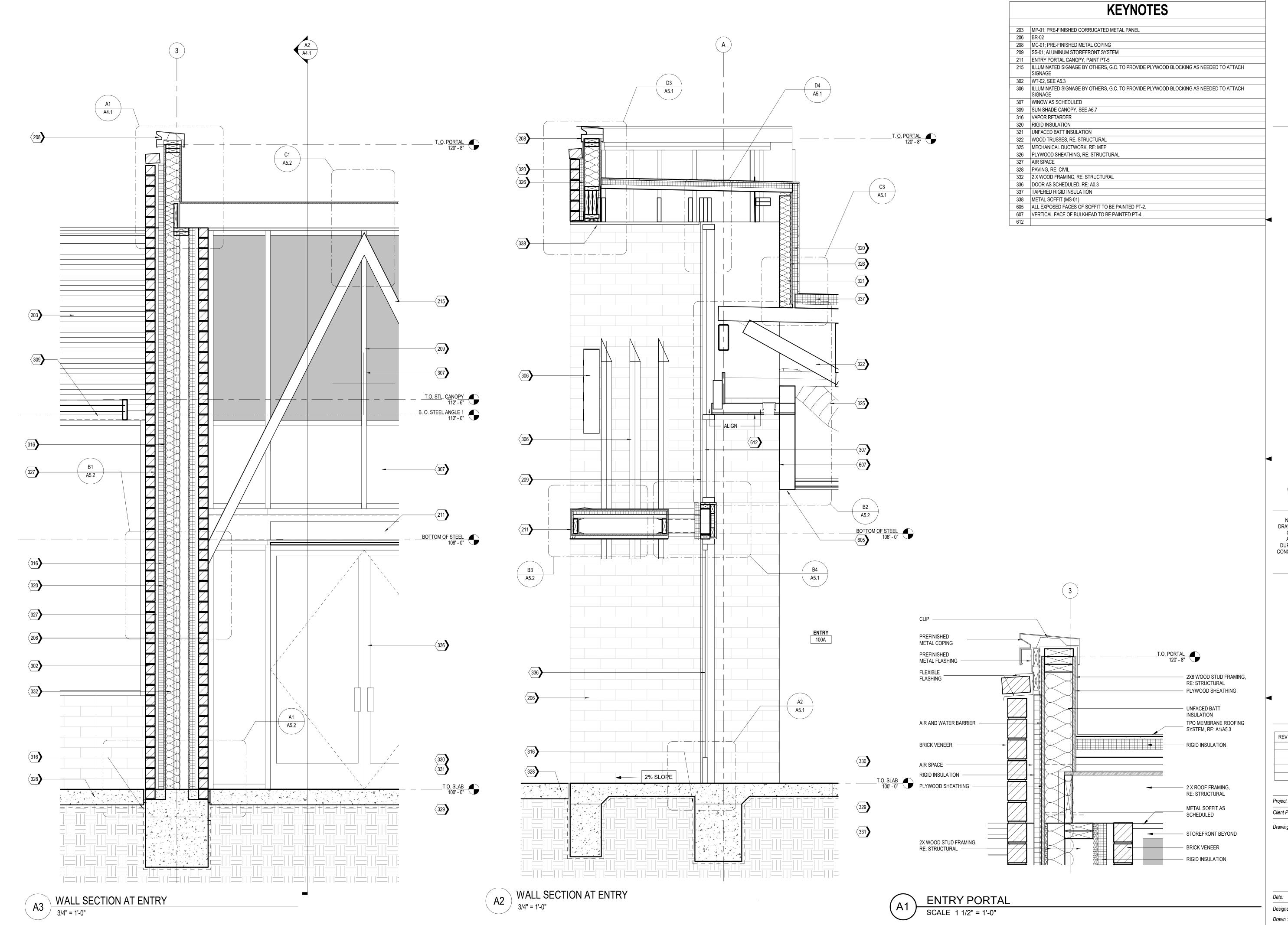
BUILDING SECTIONS

Phase: PERMIT SET Date: 06.29.22 Designed: Designer Drawing No.:

Drawn: Author Checked: Checker

A3.2







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: PT20M W 150 AND WOOD ST

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REV	DESCRIPTION	DATE

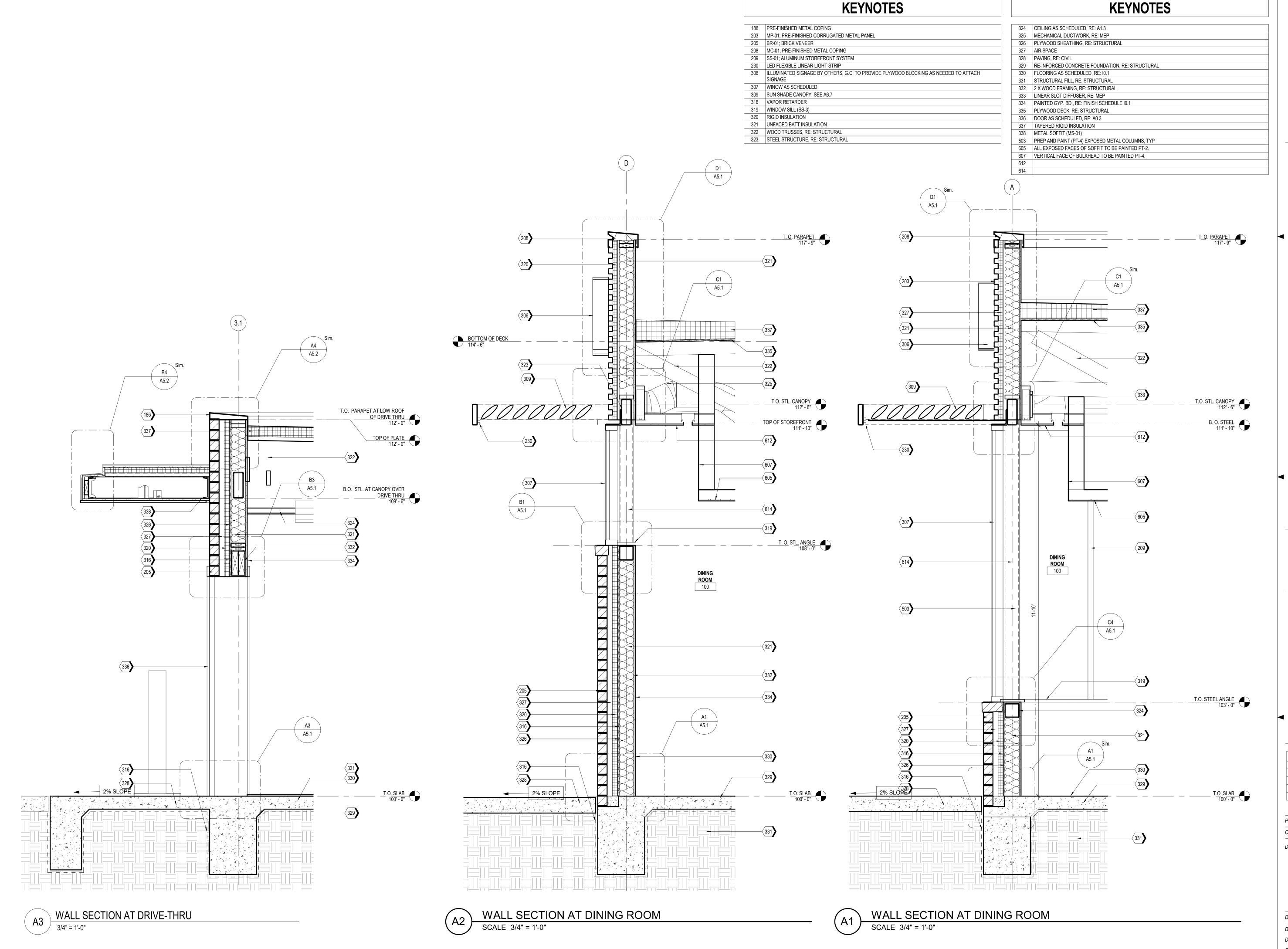
Project No.: 40497-21

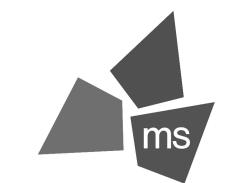
Client Project No.:

Drawing Title:

WALL SECTIONS

Date:	06.29.22	Phase:	PERMIT SET
Designed:	WB	Drawing No.:	
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REV	DESCRIPTION	DATE

Project No.: 40497-21

Client Project No.:

Drawing Title:

WALL SECTIONS

Date:	06.29.22	Phase:	PERMIT SE
Designed:	WB	Drawing No	<i>.:</i>
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KEYNOTES



KEYNOTES

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HW 150 AND LYWOOD ST

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REV	DESCRIPTION	DATE

Project No.: 40497-21

Client Project No.:

Client Project No.:

Drawing Title:

WALL SECTIONS

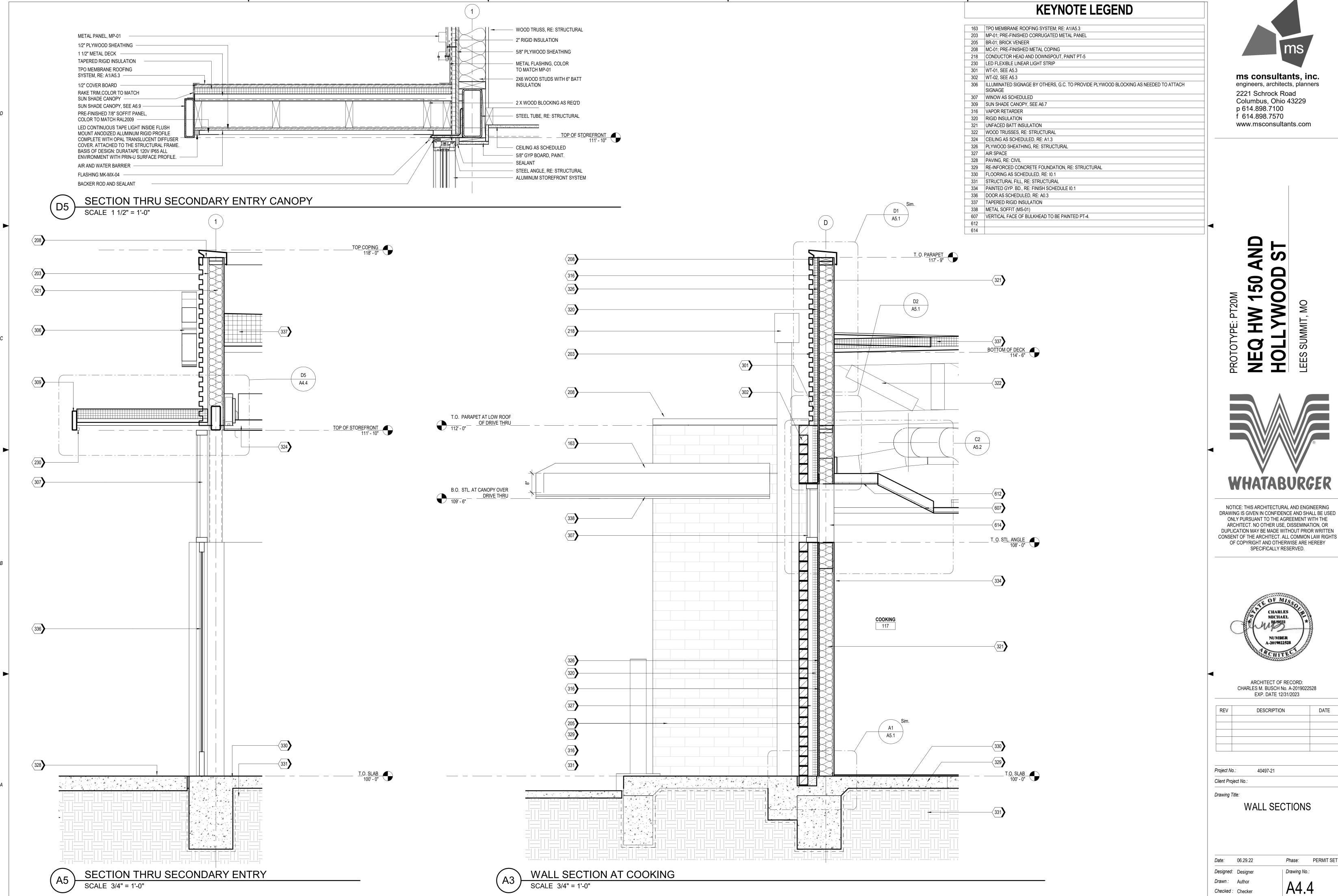
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 Designed:
 Designer
 Drawing No.:

 Drawn:
 Author

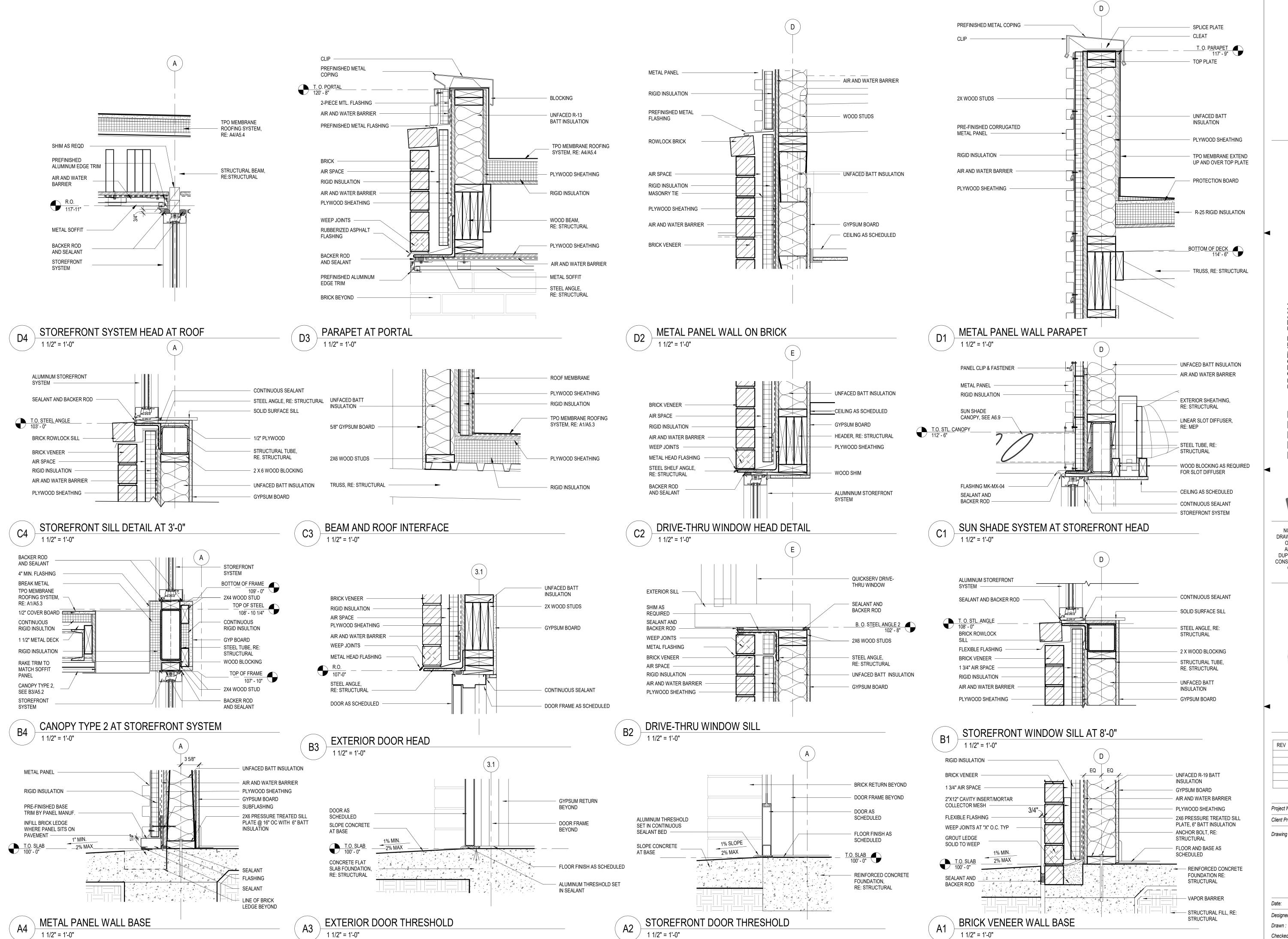
Drawn: Author
Checked: Checker

Author



REV	DESCRIPTION	DATE

PERMIT SET





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E: PT20M 1W 150 AND 7WOOD ST

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	REV	DESCRIPTION	DATE
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Project No.: 40497-21

Client Project No.:

Drawing Title:

SECTION DETAILS

06.29.22 *Phase:* PERMIT SET

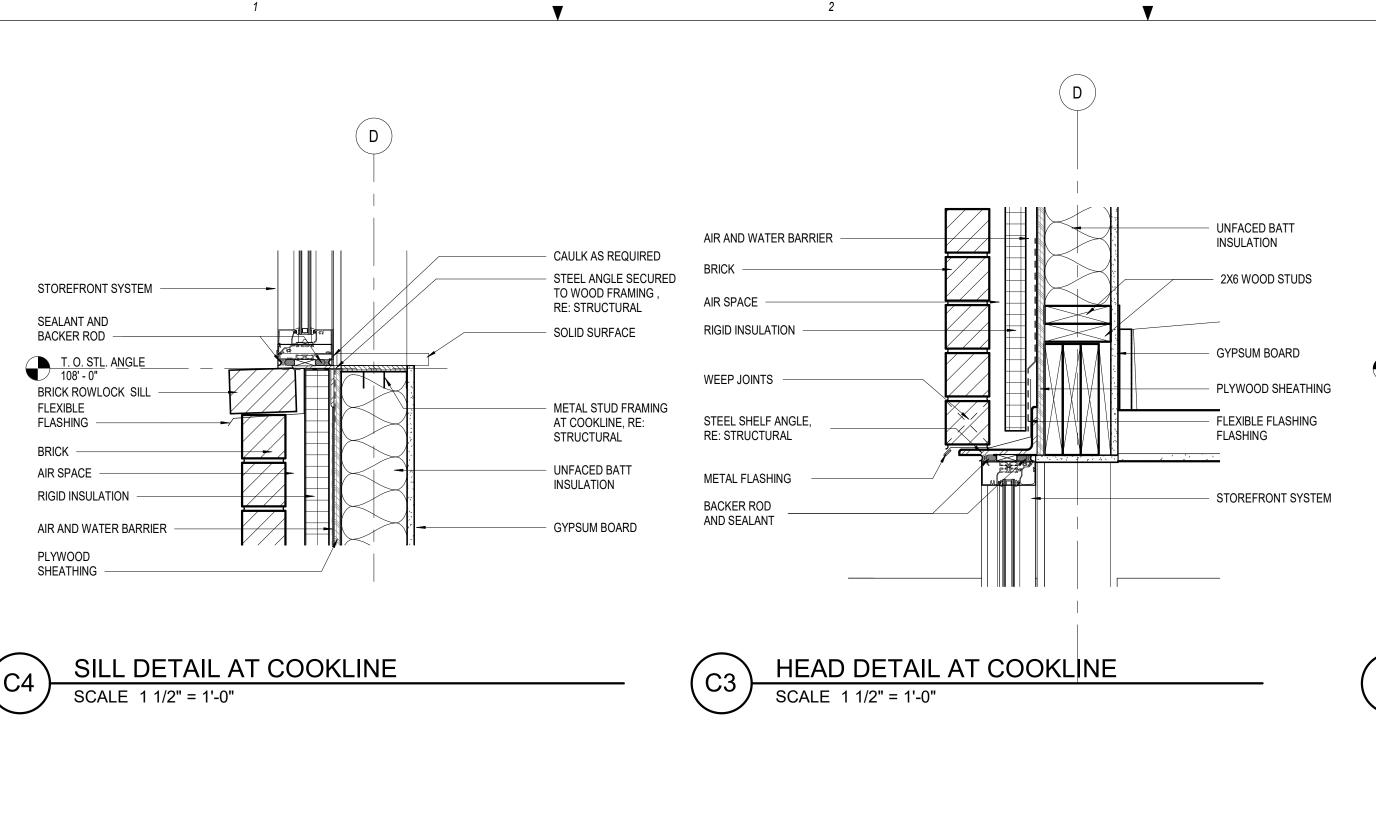
Designed: WB

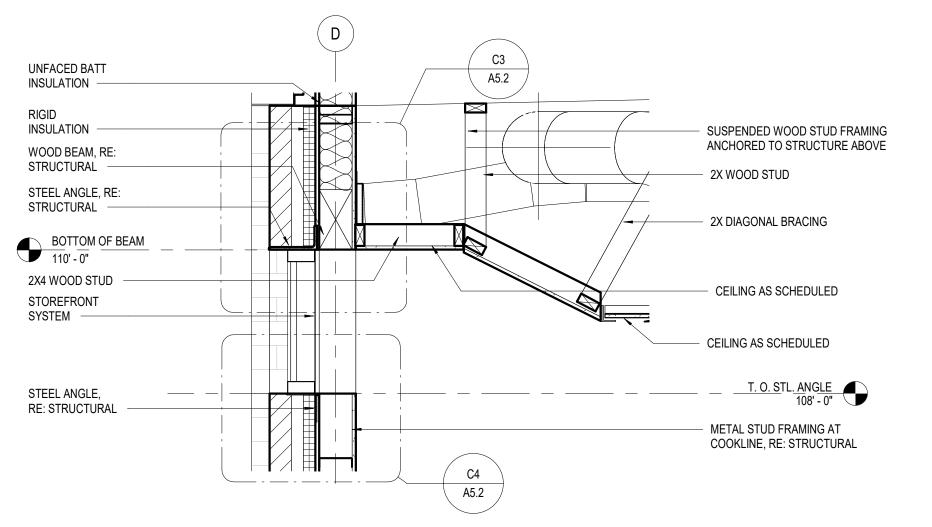
Drawn: BKN

Checked: AMF

Drawing No.:

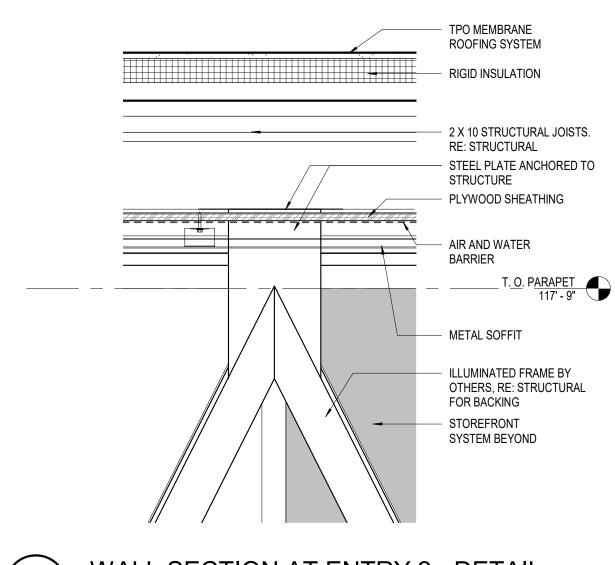
A5.1



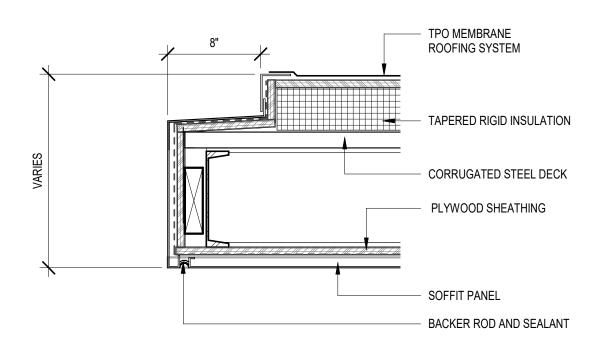


ENLARGED WALL SECTION AT COOKLINE WINDOW

SCALE 3/4" = 1'-0"



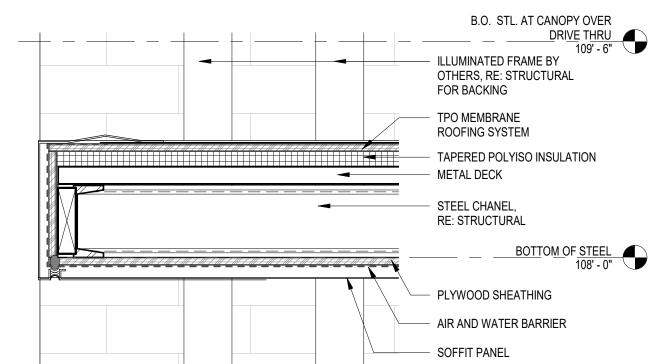
WALL SECTION AT ENTRY 2 - DETAIL



CANOPY DETAIL AT DRIVE THRU

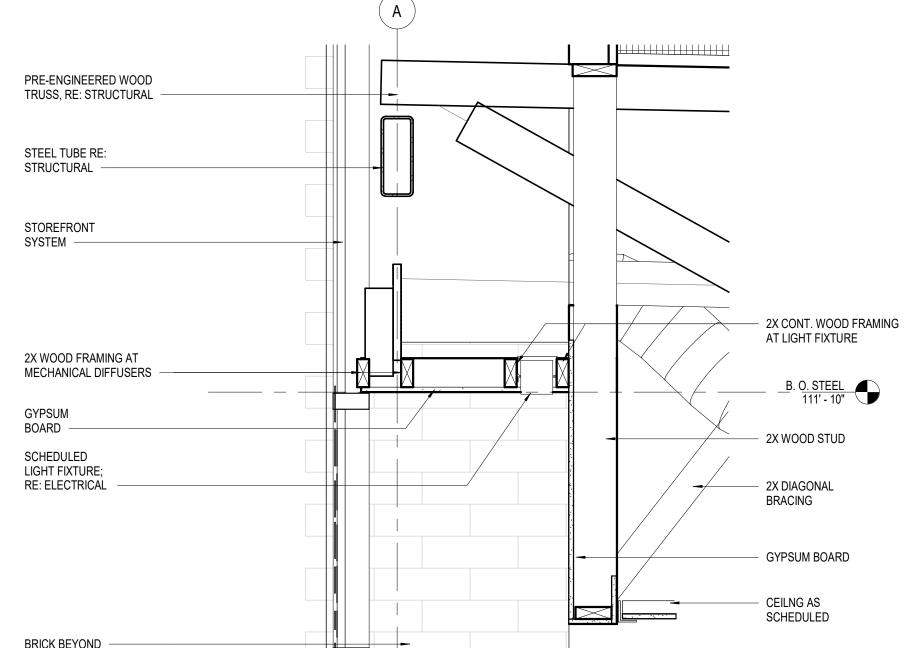
PARAPET AT DRIVE THRU CANOPY

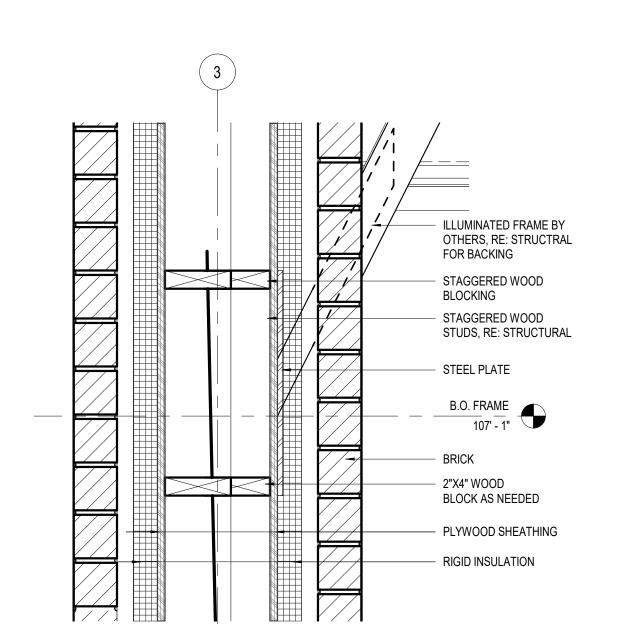
1 1/2" = 1'-0"



CANOPY DETAIL AT ENTRY PORTALS

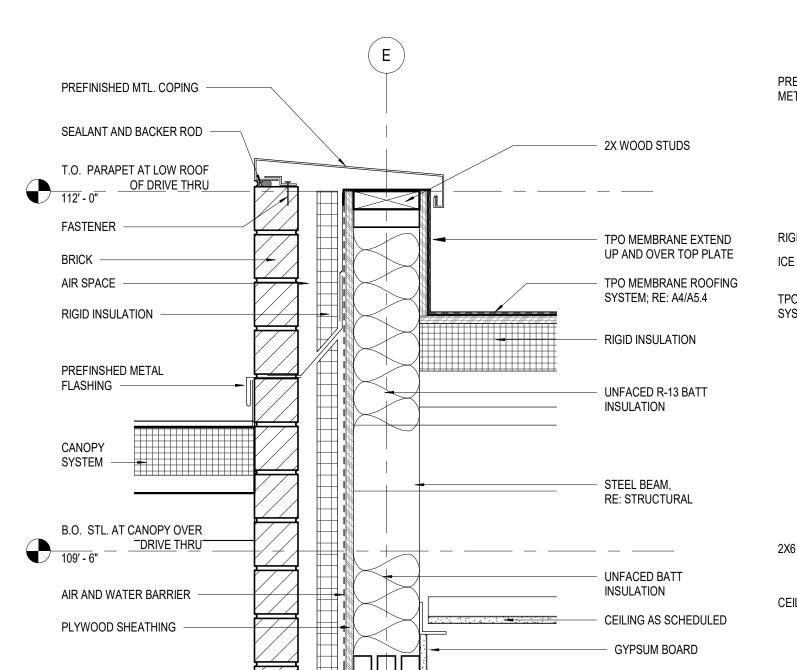
1 1/2" = 1'-0"

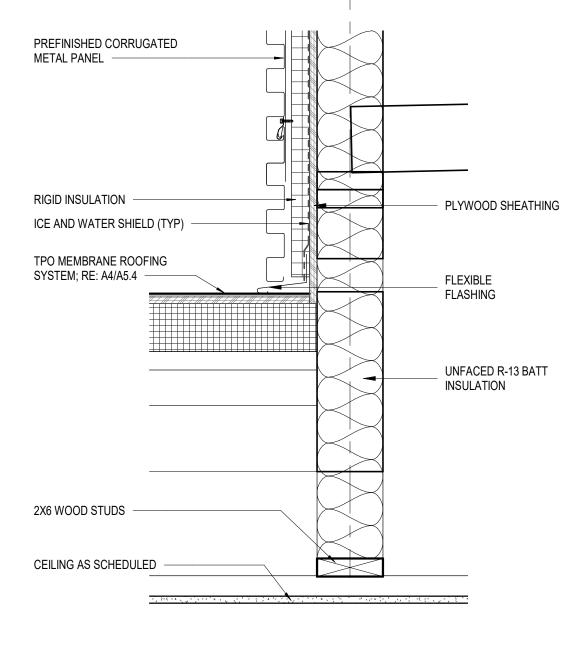


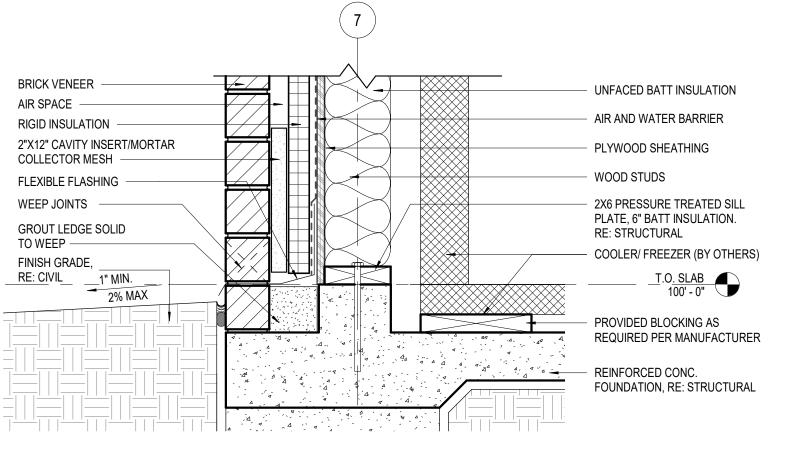




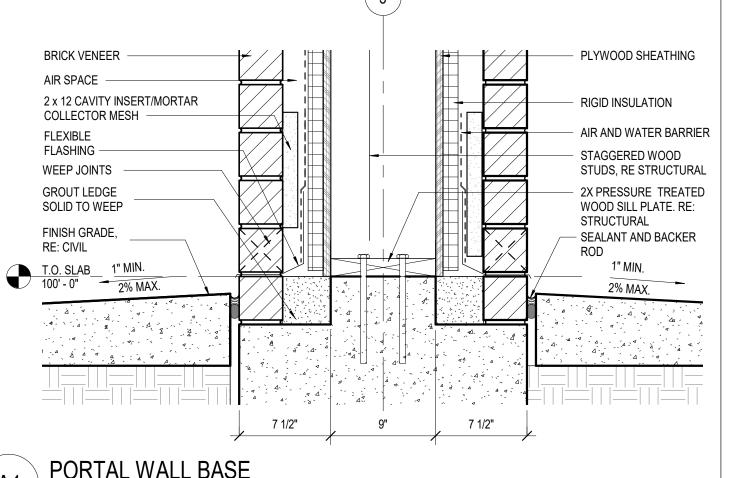








SECTION DETAIL AT SOFFIT



[/] 1 1/2" = 1'-0"



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REV	DESCRIPTION	DATE

40497-21 Client Project No.:

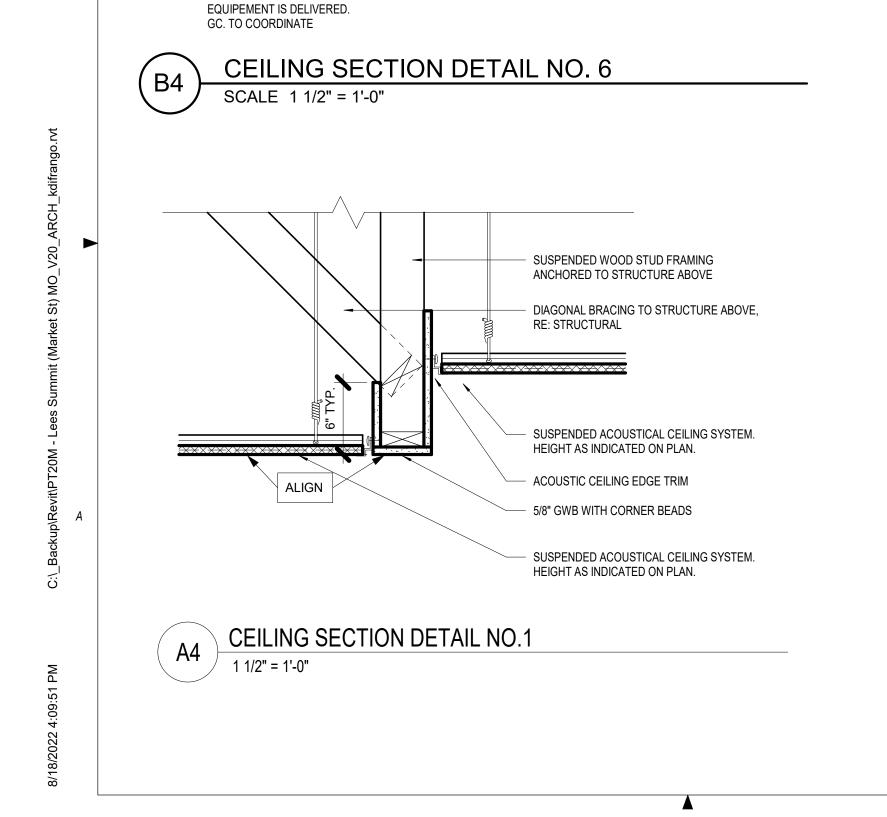
Drawing Title:

SECTION DETAILS

PERMIT SET Date: 06.29.22 Phase: Designed: WB Drawing No.: Drawn: BKN A5.2 Checked: AMF

METAL PANEL WALL AT ROOF

COOLER/FREEZER WALL BASE DETAIL SCALE 1 1/2" = 1'-0"



B.O. STL. AT CANOPY OVER

ALIGN

DRIVE THRU
109' - 6"

ACOUSTIC CEILING EDGE TRIM

SUSPENDED ACOUSTICAL

INDICATED ON PLAN.

CEILING SYSTEM. HEIGHT AS

SUSPENDED WOOD FRAMING ANCHORED TO STRUCTURE ABOVE

DOUBLE 2x4 HEADER WITH 5/8"

PLAYWOOD SPACER

5/8" GWB with CORNER

SPACKLED SMOOTH, TYP.

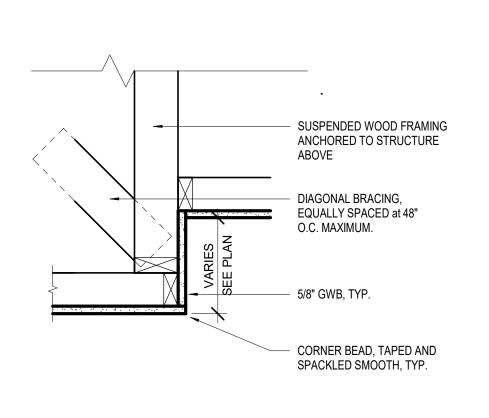
SECURE WALL BEYOND TO

HEADER AFTER KITCHEN

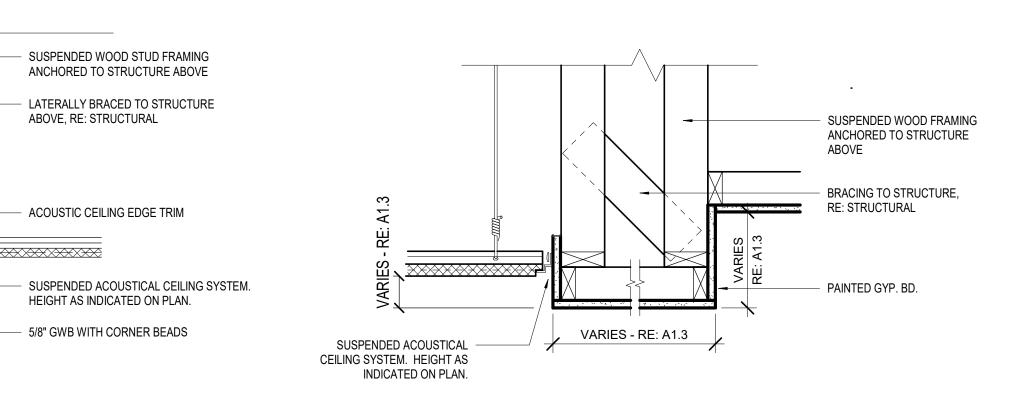
BEADS TAPED AND

5/8" GWB, TYP.

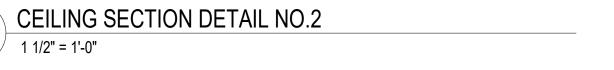
DIAGONAL BRACING, EQUALLY SPACED at 48" O.C. MAXIMUM.







1 1/2" = 1'-0"





SUSPENDED WOOD FRAMING
ANCHORED TO STRUCTURE ABOVE

ACOUSTIC CEILING EDGE TRIM

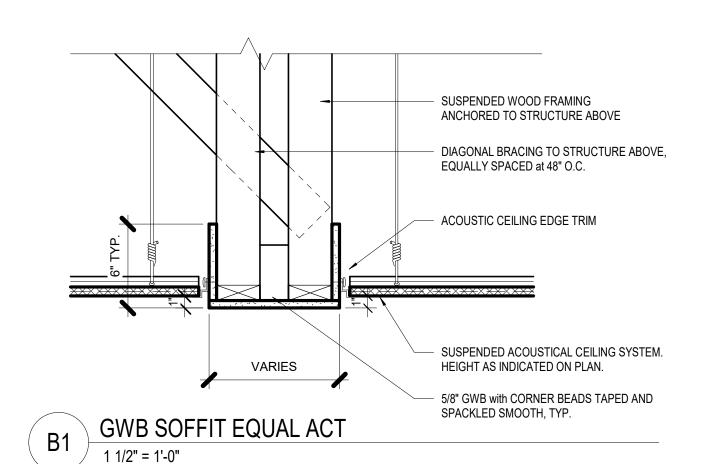
HEIGHT AS INDICATED ON PLAN.

SPACKLED SMOOTH, TYP.

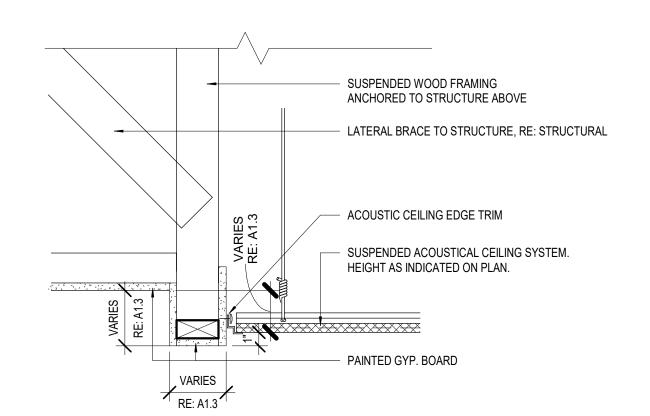
TERMINATE GRID @ ROOF HATCH OPENING3

SUSPENDED ACOUSTICAL CEILING SYSTEM.

5/8" GWB WITH CORNER BEADS TAPED AND



PARAPET ANTENNA DETAIL







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ACCESS POINT AND SOLAR SHIELD

ACCESS POINT MOUNTING BRACKET

SECURED TO RACEWAY

6" X 6" X 48" RACEWAY SECURED TO BACK OF PAREPET

(2) - 1 1/2" CONDUITS
EXTENDED TO
CEILING PLENUM

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> HW 150 AND YWOOD ST

NEQ HW 1 HOLLYWC

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REV	DESCRIPTION	DATE

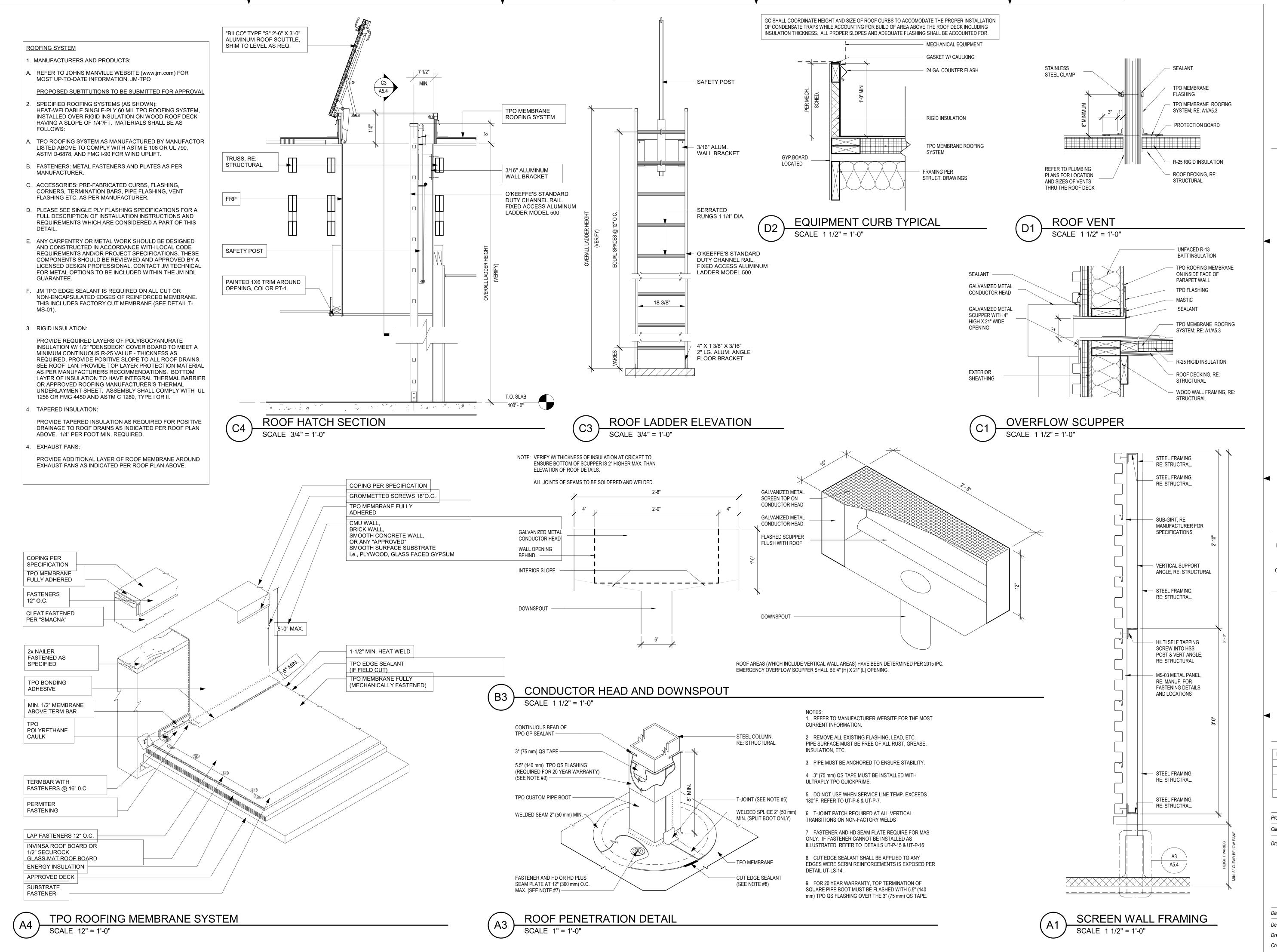
Project No.: 40497-21

Client Project No.:

Drawing Title:

SECTION DETAILS

Date:	06.29.22	Phase: PERM	IT S
Designed:	WB	Drawing No.:	
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REV	DESCRIPTION	DATE

40497-21 Project No.: Client Project No.:

Drawing Title:

WALL AND ROOF TYPES

PERMIT SET 06.29.22 Date: Designed: WB Drawing No.. Drawn: BKN Checked: AMF

3 5/8" BRICK -

2" AIR SPACE

2" RIGID INSULATION -

EXTERIOR SHEATHING,

AIR AND WATER BARRIER -

2"X12" CAVITY INSERT/MORTAR

COLLECTOR MESH

2" RIGID INSULATION -

EXTERIOR SHEATHING,

RE: STRUCTURAL

FLEXIBLE FLASHING

3 5/8" BRICK -

2" AIR SPACE

FLASHING -

WEEP JOINTS

GROUT SOLID

FOUNDATION

RE: STRUCTURAL

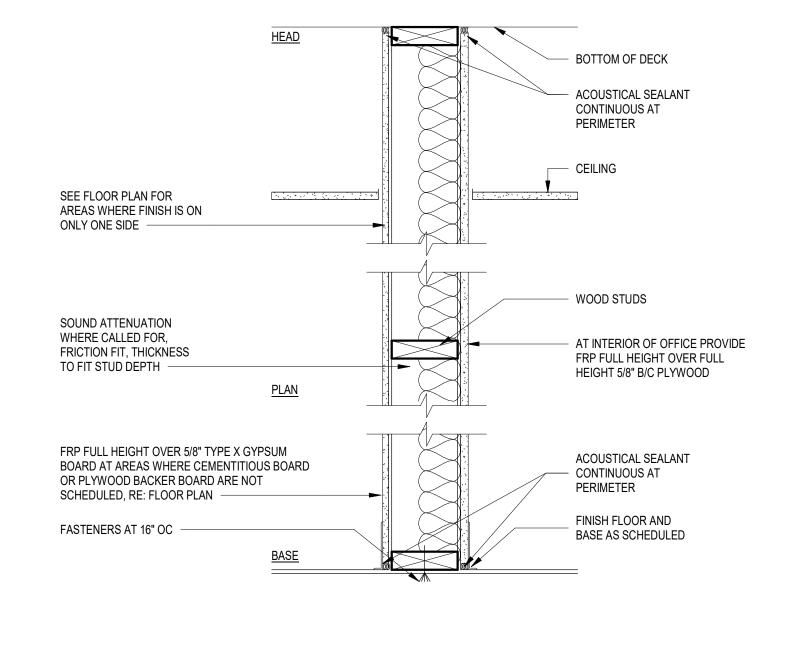
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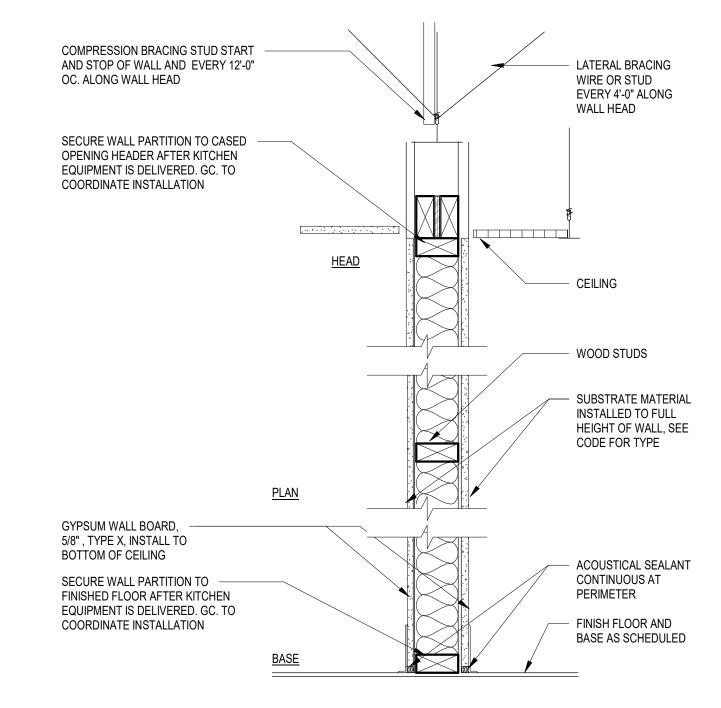
STUD SIZE

RE: STRUCTURAL

RE: STRUCTURAL -

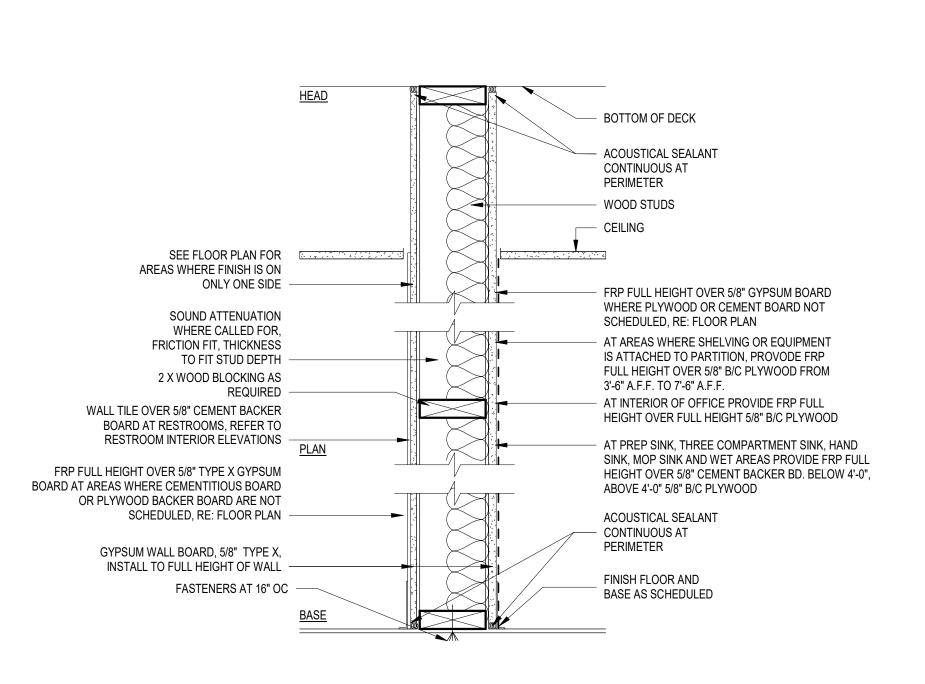






TYPE		E	
ATOR	IND	STUD SIZE	TOTAL WIDTH
INDIC/	2	2X6	6 3/4"
SIZE			

TYPE		D	
TOR	IND	STUD SIZE	TOTAL WIDTH
SIZE INDICATOR	2	2X6	6 3/4"
SIZE			



WOOD BEAM, RE: STRUCTURAL FOR SIZING

R-13 BATT INSULATION

STRUCTURAL FOR SIZE

METAL STUDS, RE:

METAL STUDS, RE:

AND SPACING

STRUCTURAL FOR SIZE

CEMENTITIOUS BACKER BOARD

W/ STAINLESS STEEL WALL

RE: K1.1 FOR LOCATION

FINISH FLOOR AND

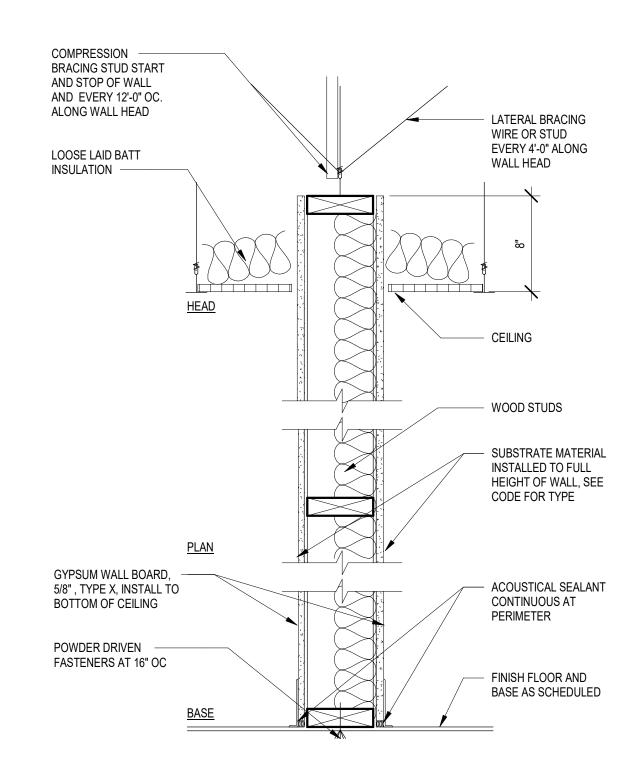
TOTAL WIDTH

BASE AS SCHEDULED

COVERING BEHIND COOKLINE,

AND SPACING

ТҮРЕ		В	
ATOR	IND	STUD SIZE	TOTAL WIDTH
SIZE INDICATOR	2	2X6	6 3/4"
SIZE			



TYPE		Α	
ATOR	IND	STUD SIZE	TOTAL WIDTH
INDIC/	1	2X4	4 3/4"
SIZE			



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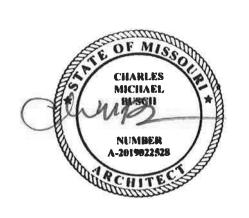
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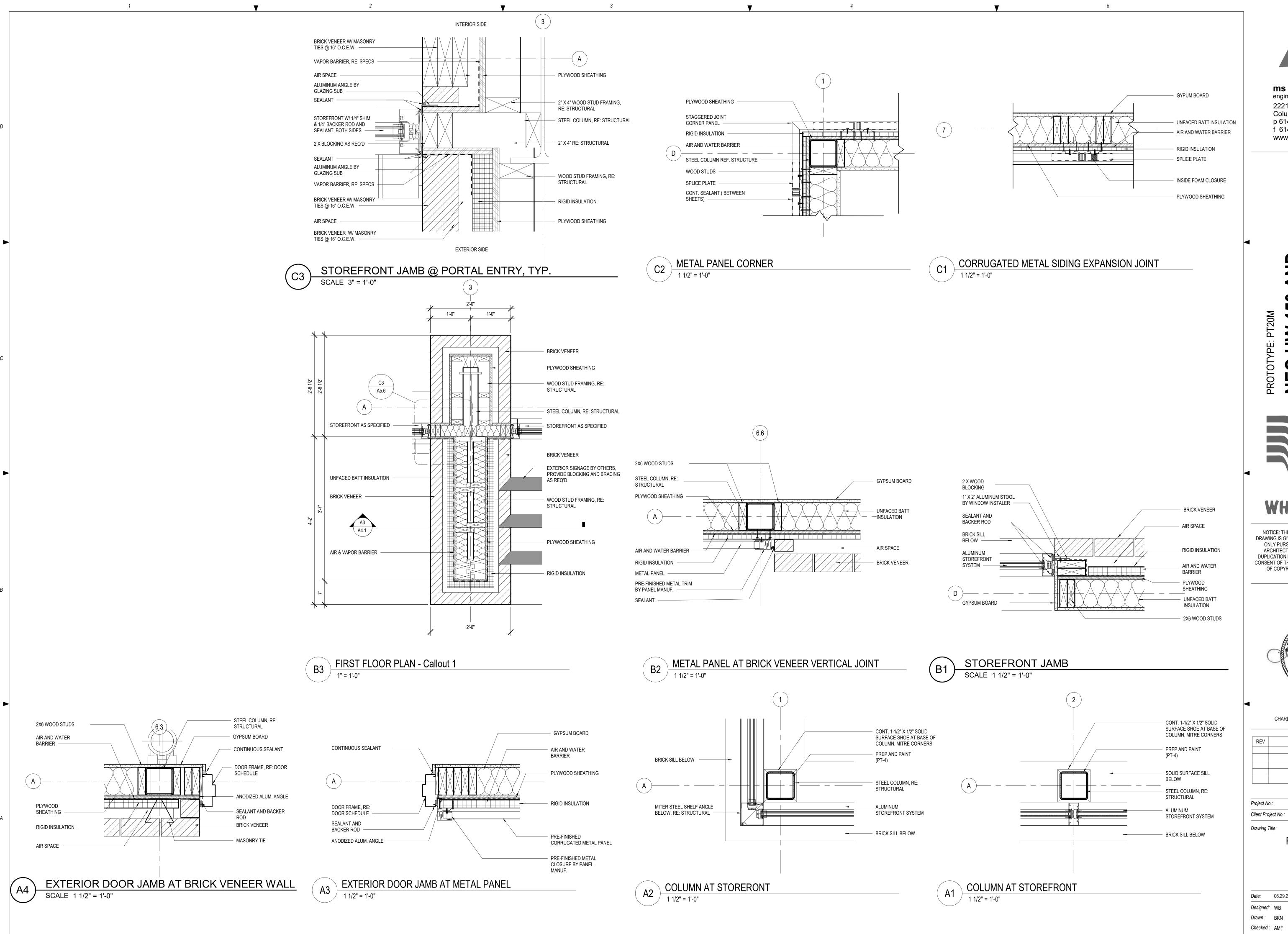
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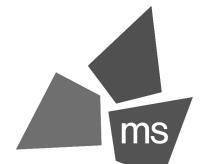
40497-21 Project No.: Client Project No.:

Drawing Title:

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Date:	06.29.22	Phase:	PERMIT SE
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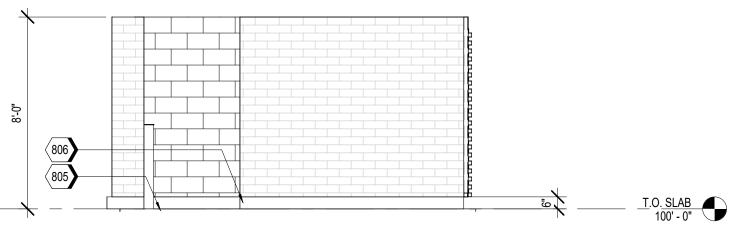
REV	DESCRIPTION	DATE

40497-21

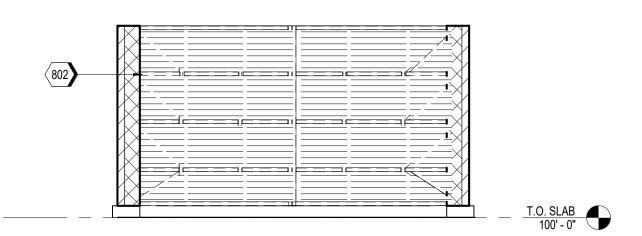
PLAN DETAILS

PERMIT SET Date: 06.29.22 Phase: Drawing No.: A5.6





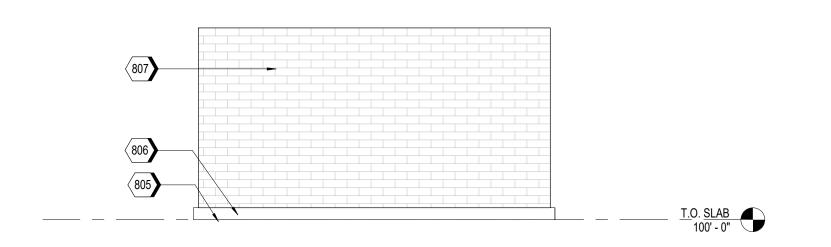




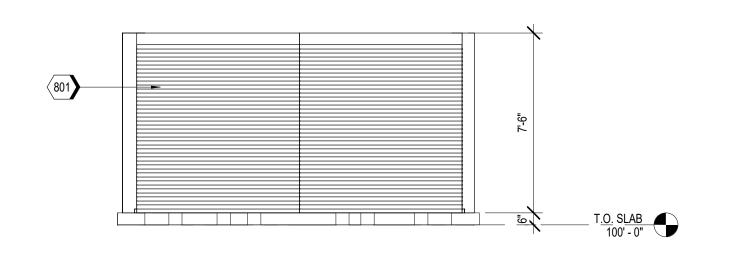
DUMPSTER - GATE INSIDE FACE SCALE 1/4" = 1'-0"



801 PRE-FINISHED CORRUGATED METAL PANEL (MP-01)
802 STRUCTURAL STEEL, RE: STRUCTURAL
804 PIPE BOLLARDS: IDEAL SHEILD: URBAN BRONZE, PANTONE 2336 XGC. RE D3/S5.1
805 FINISHED PAVEMENT, RE: CIVIL
806 CONCRETE CURB, RE: STRUCTURAL
807 PAINTED CMU

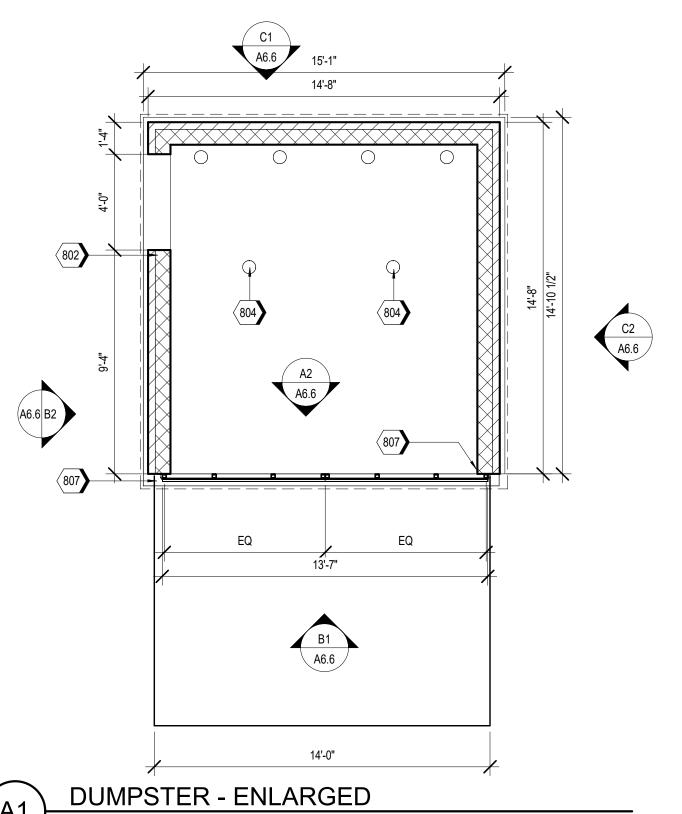


DUMPSTER - ELEVATION @ REAR SCALE 1/4" = 1'-0"



DUMPSTER - ELEVATION @ GATE

SCALE 1/4" = 1'-0"



DUMPSTER - ENLARGED

SCALE 1/4" = 1'-0"



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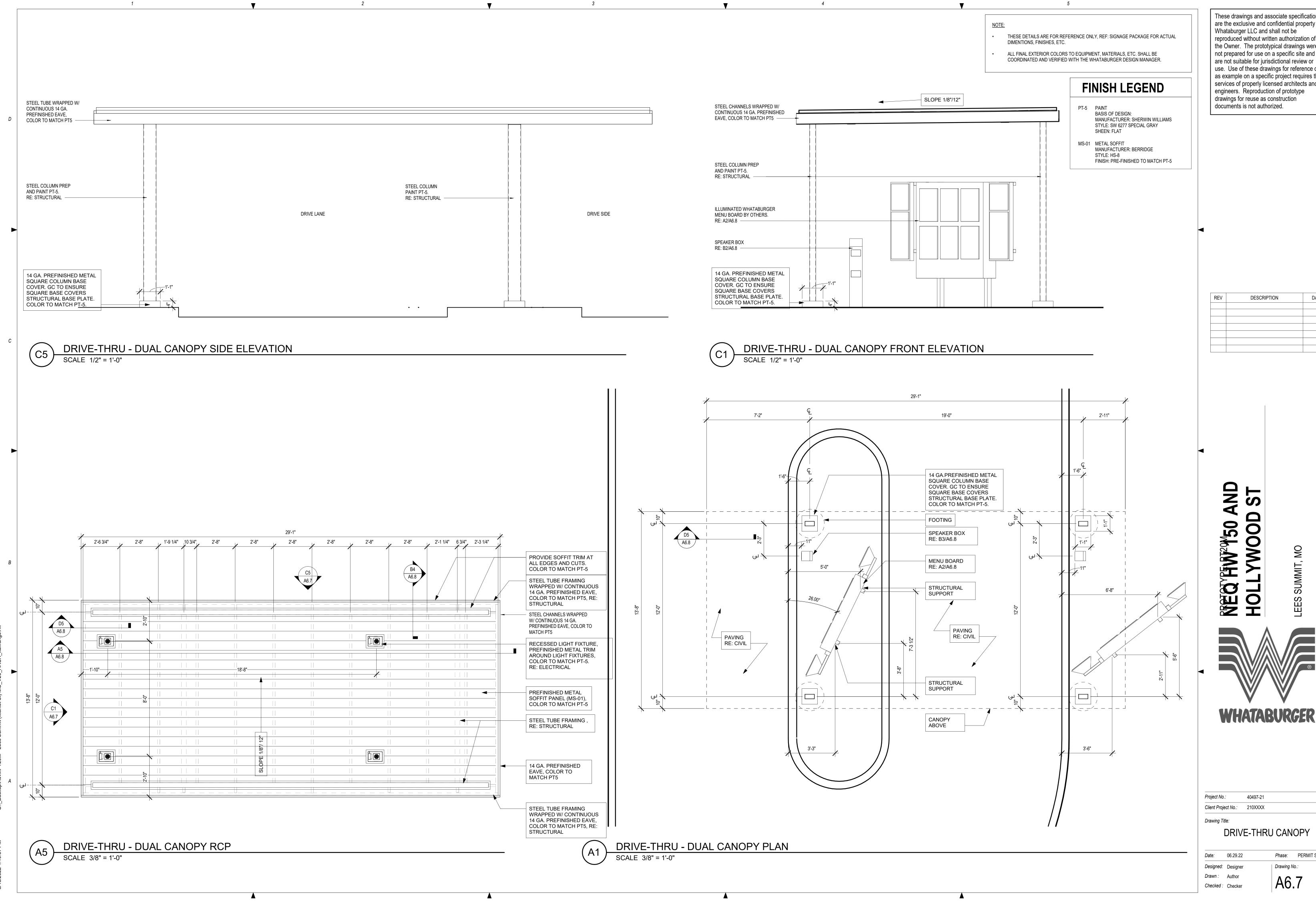
REV	DESCRIPTION	DATE

40497-21 Project No.: Client Project No.:

Drawing Title:

DUMPSTER

PERMIT SET Date: 06.29.22 Designed: WB Drawing No.: Drawn: BKN A6.6 Checked: AMF



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REV	DESCRIPTION	DATE

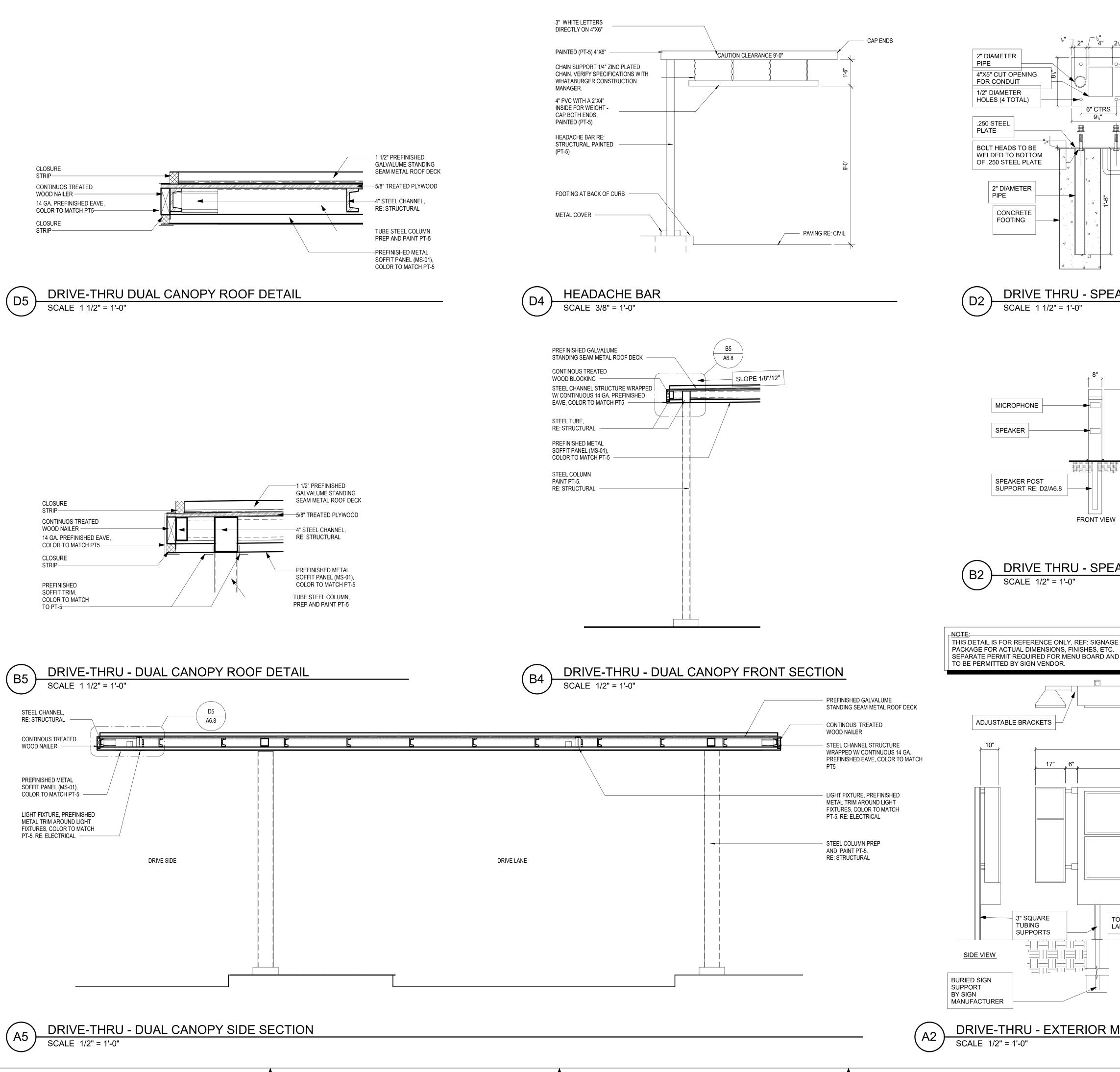
HOLLYWOOD

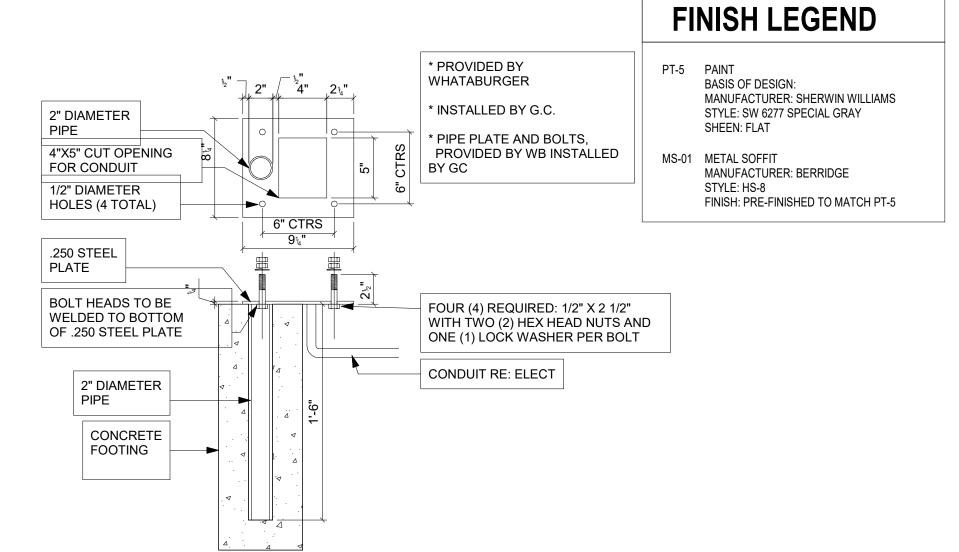
40497-21 Client Project No.: 210XXXX

DRIVE-THRU CANOPY

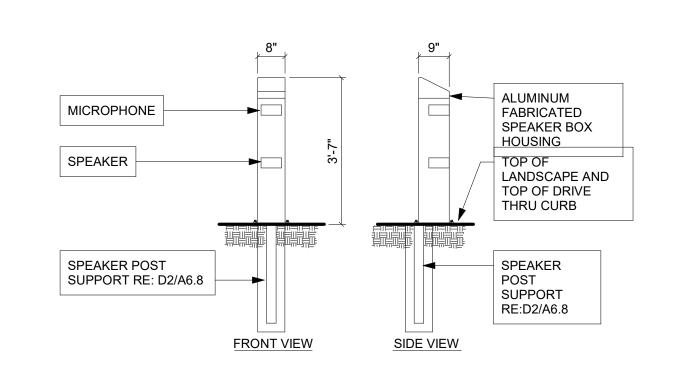
Phase: PERMIT SET Drawing No.:

A6.7

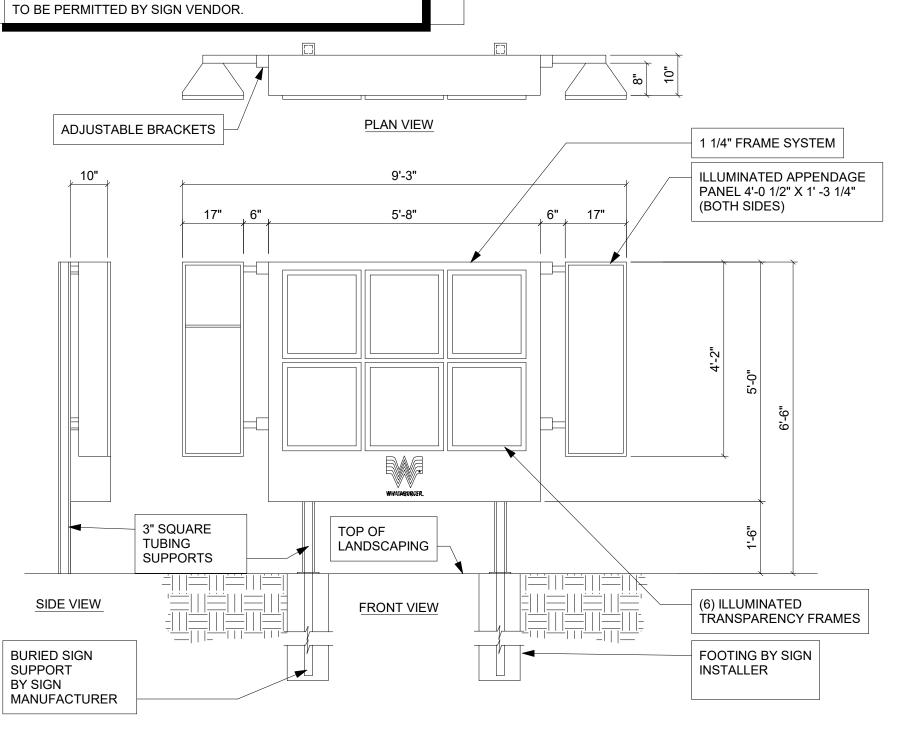




DRIVE THRU - SPEAKER PEDESTAL DETAIL

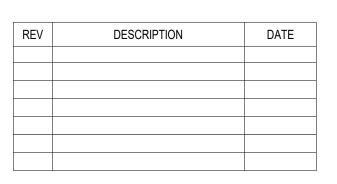


DRIVE THRU - SPEAKER BOX DETAIL



DRIVE-THRU - EXTERIOR MENU BOARD ELEVATION SCALE 1/2" = 1'-0"

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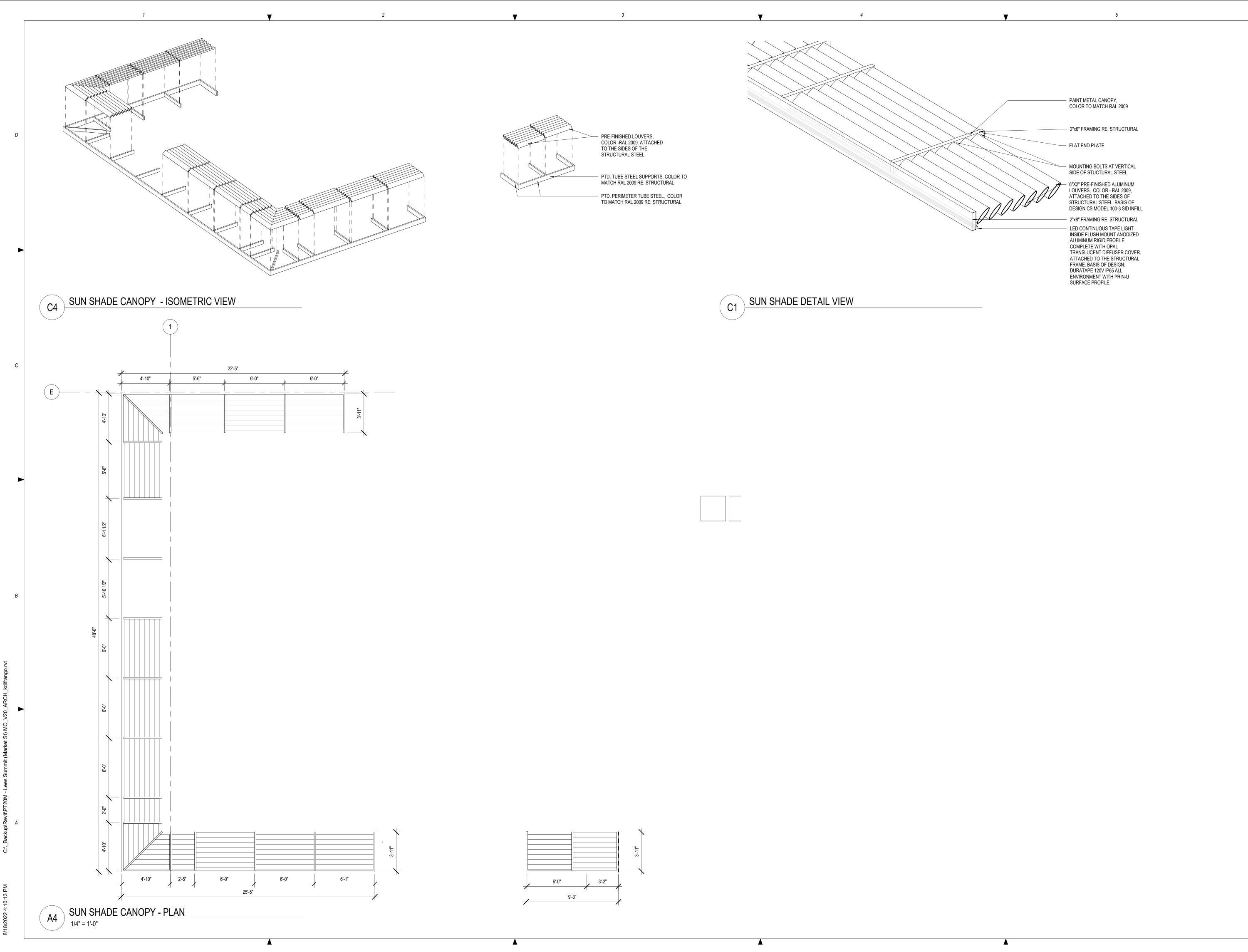




Project No.: 40497-21 Client Project No.: 210XXXX

Drawing Title: DRIVE-THRU CANOPY

Phase: PERMIT SET Date: 06.29.22 Designed: Designer Drawing No.: Drawn: Author Checked: Checker





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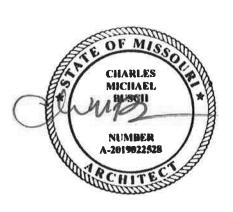
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REV	DESCRIPTION	DATE

40497-21 Project No.: Client Project No.:

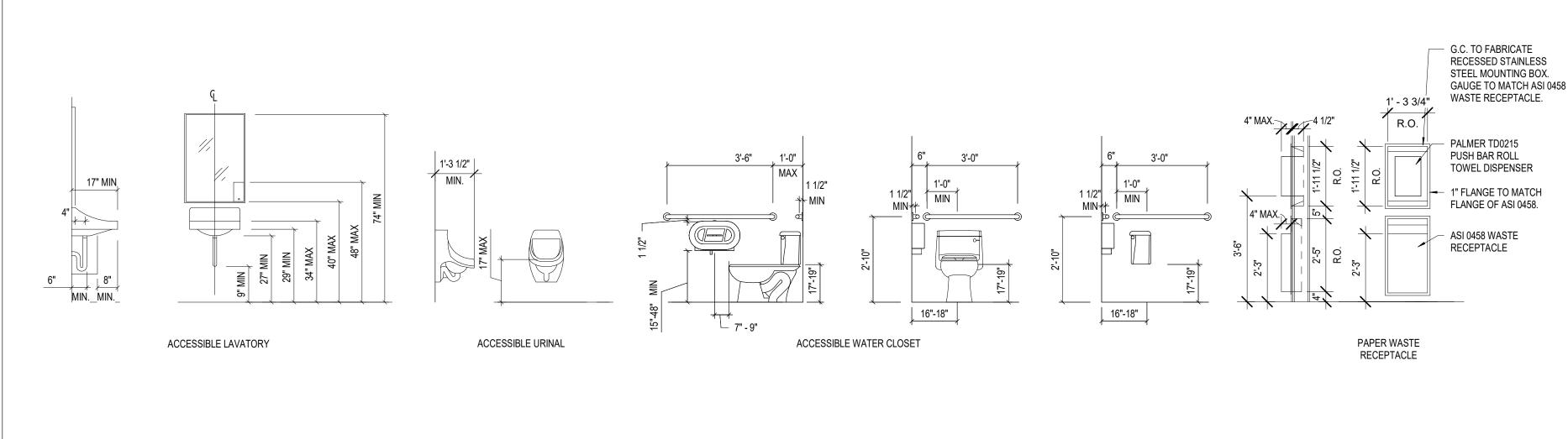
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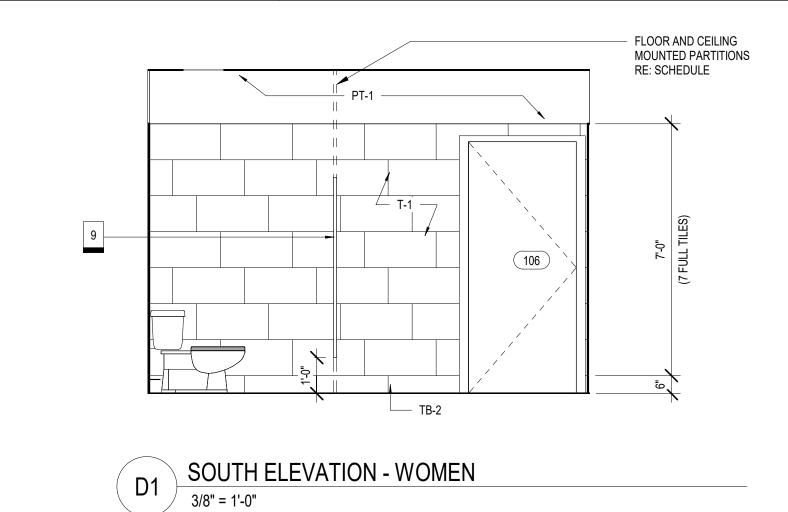
SUN SHADE CANOPY

Date:	06.29.22	Phase:	PERMIT SET
Designed:	WB	Drawing No.:	
Drawn :	BKN	AG ()

Checked: AMF

A6.9





G.C. TO FABRICATE RECESSED STAINLESS STEEL MOUNTING BOX

FOR PALMER TD0215 PAPER TOWEL

REFER TO PLUMBING DRAWINGS

FOR LAVATORY SPEC.

DISPENSER

DOOR

SLOPED

FLAT

THRESHOLD



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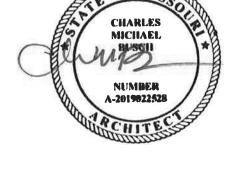
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150 AND YWOOD. \geq

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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

REV	DESCRIPTION	DATE

Project No.: 40497-21 Client Project No.:

Drawing Title:

- FLOOR AND CEILING MOUNTED PARTITIONS

RE: SCHEDULE

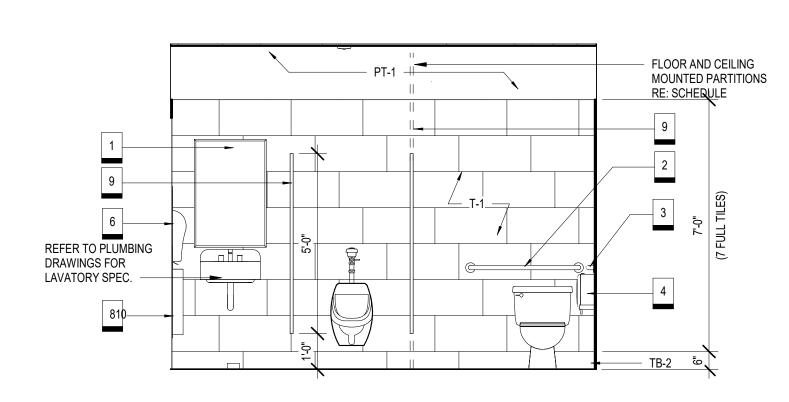
— TB-2 وً

5'-2"

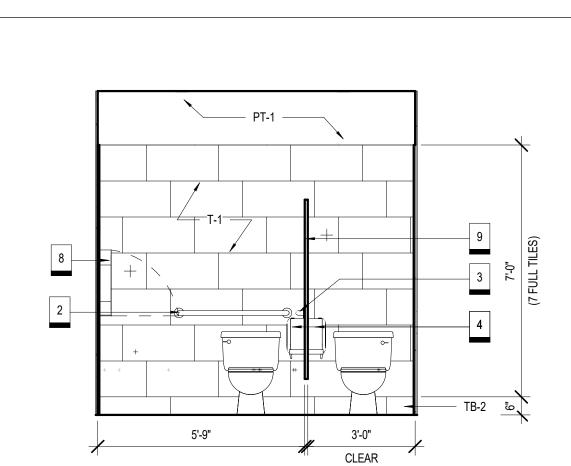
ENLARGED PLAN AND INTERIOR ELEVATIONS

ate:	06.29.22	Phase:	PERMIT SET
esigned:	WB	Drawing No.:	
rawn :	BKN	11 2	
	A N 4 E		









∠ T-1 →

WEST ELEVATION - WOMEN



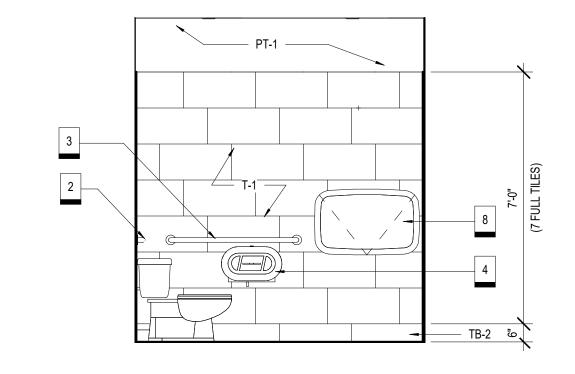
7'-0 1/2"

NORTH ELEVATION - WOMEN

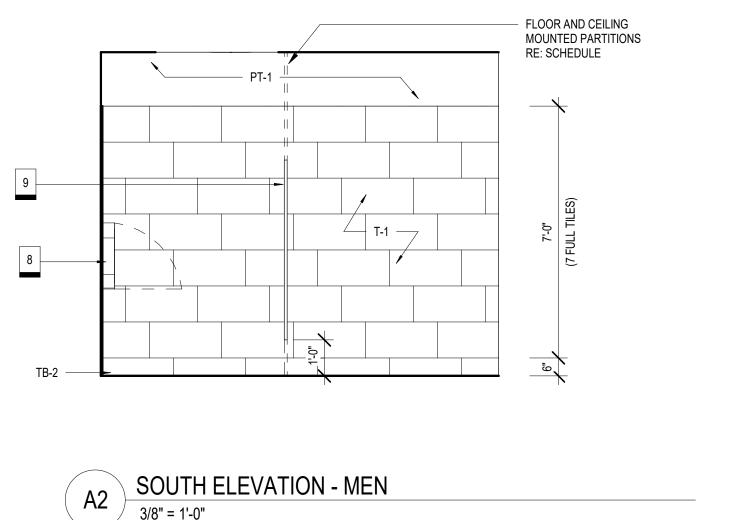
3/8" = 1'-0"

REFER TO PLUMBING DRAWINGS FOR

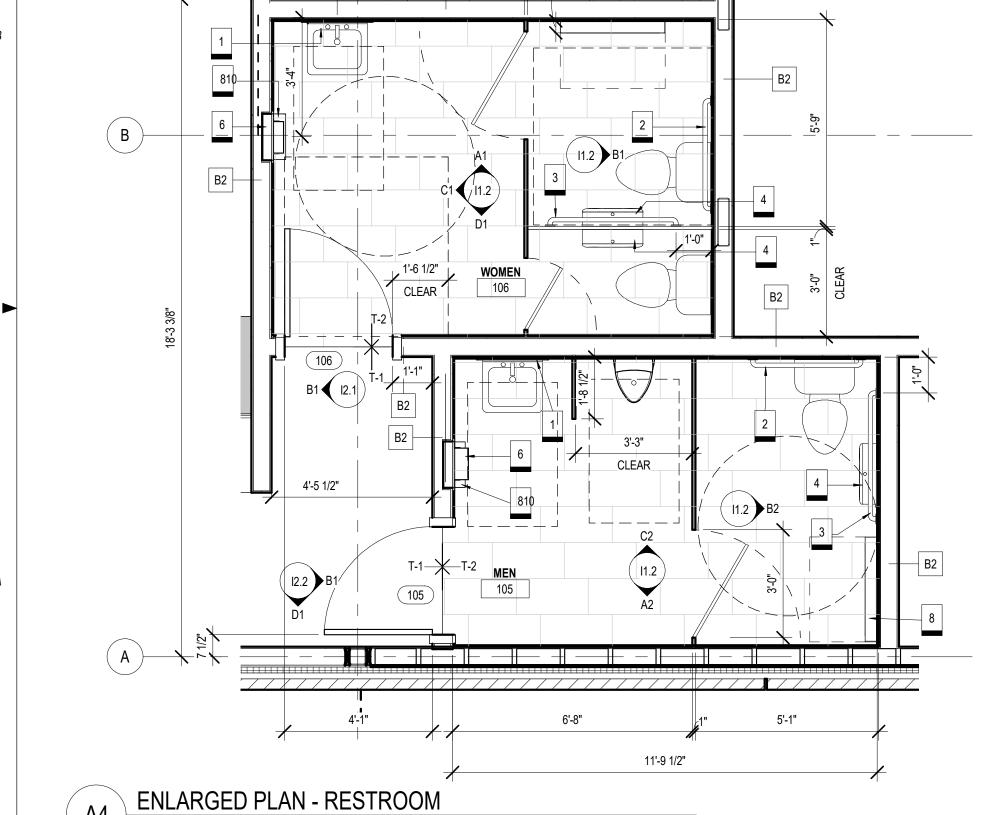
LAVATORY SPEC.



P2	EAST ELEVATION - MEN
DZ /	3/8" = 1'-0"



	PT-1	FLOOR AND CEILING MOUNTED PARTITIONS RE: SCHEDULE
9	T-1 —	7'-0" (7 FULL TILES)
TB-2		- To
	SOUTH ELEVATION - MEN 3/8" = 1'-0"	



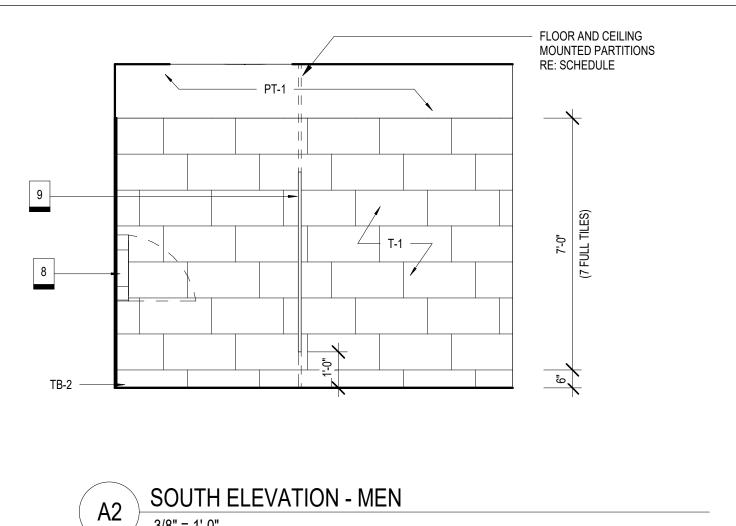
PARTITIONS

2'-5 1/2"

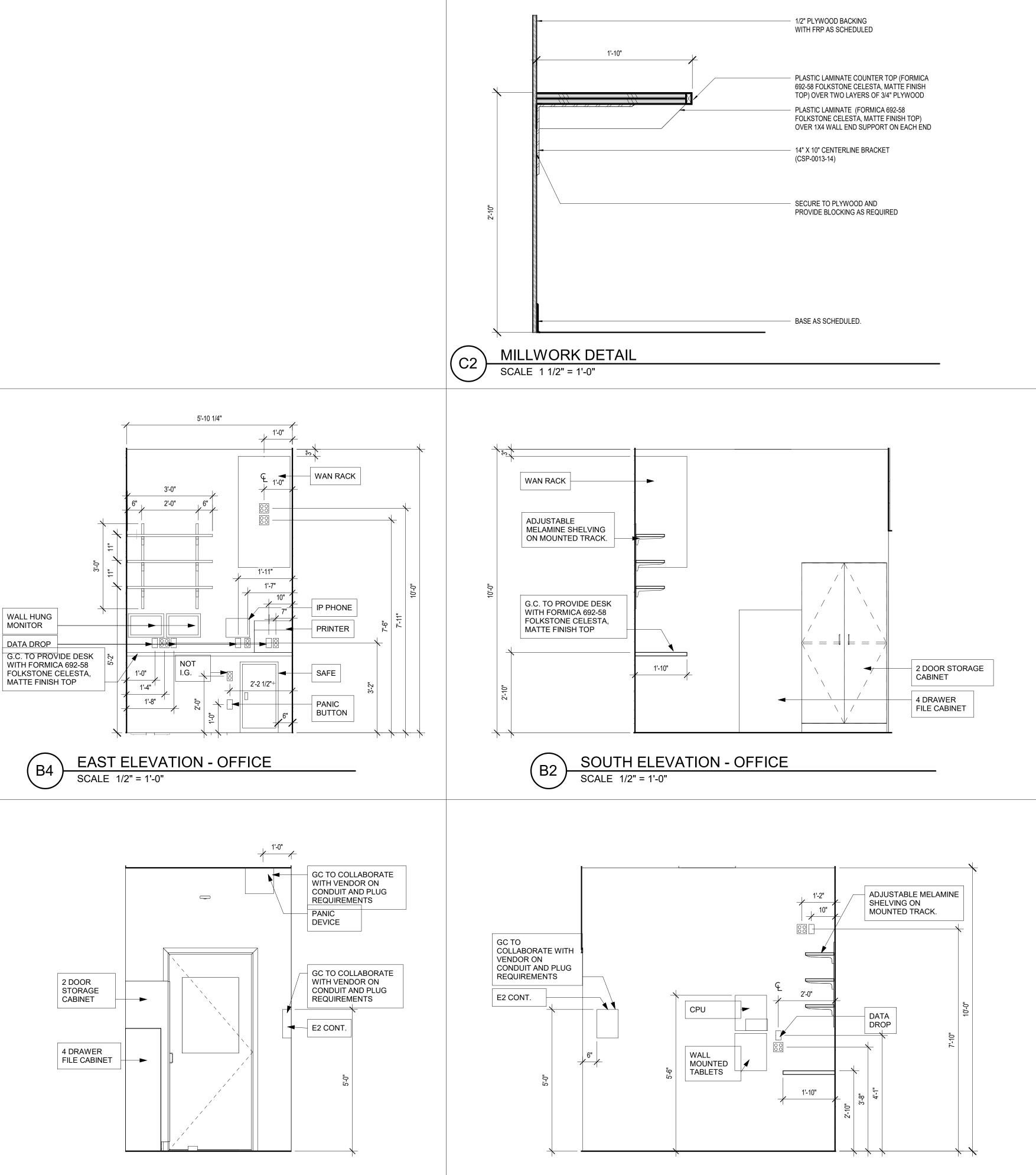
12'-10"

9'-10 1/2"

5'-2"



| | | . _





Description

OFFICE NOTES

Vendor Part # Provided by QTY

ALL OUTLETS TO BE ISOLATED GROUND (I.G.), UNLESS NOTED OTHERWISE.

ALL OFFICE WALLS TO HAVE 1/2" PLYWOOD

BACKING WITH FRP FINISH

G.C. TO PROVIDE WOOD BLOCKING AT SHELVING AND ACCESSORIES, AS REQUIRED .

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	REV	DESCRIPTION	DATE

40497-21 Project No.: Client Project No.:

Drawing Title:

ENLARGED PLAN AND INTERIOR ELEVATIONS

Date:	06.29.22	Phase:	PERMIT S
Designed:	Designer	Drawing No.:	
Drawn :	Author	14 9	
Checked:	Checker	11.3	

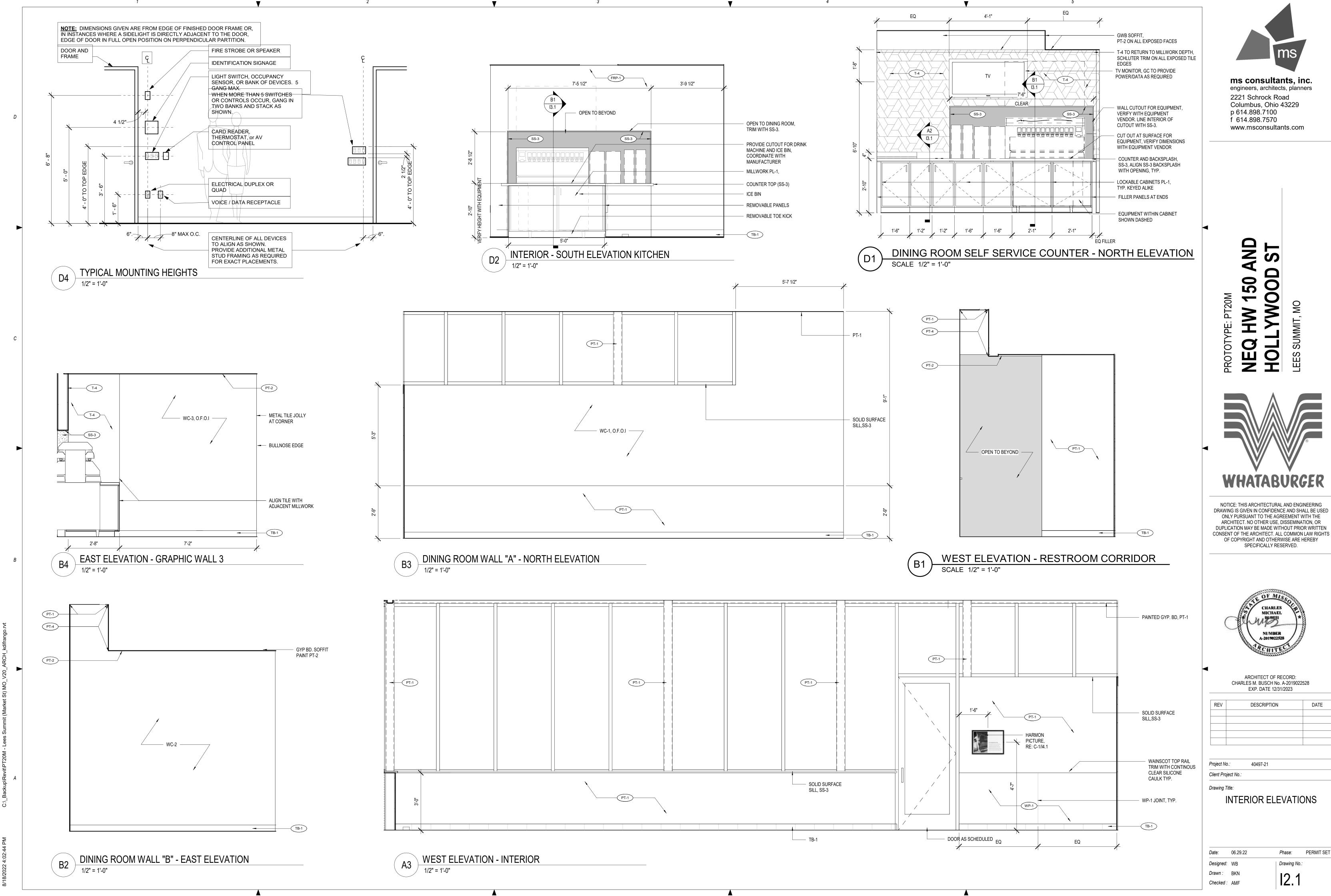
11.0

WEST ELEVATION - OFFICE

NORTH ELEVATION - OFFICE SCALE 1/2" = 1'-0"

5'-3 1/8" 3'-8 1/4" E2 11.3 112 112 GC TO INSTALL CENTERLINE BRACKETS, TYP.

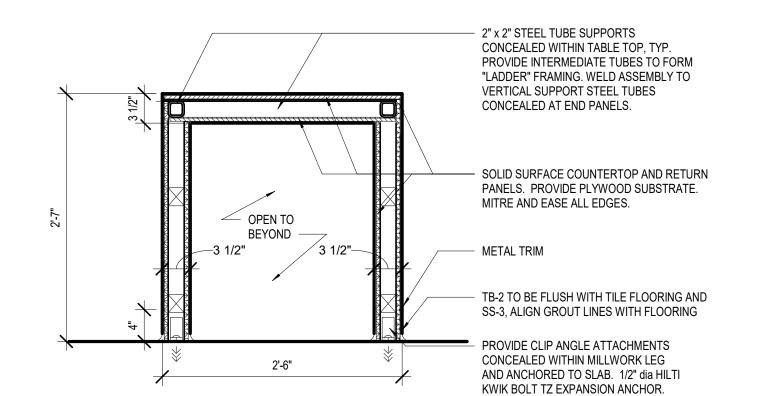
ENLARGED PLAN - OFFICE



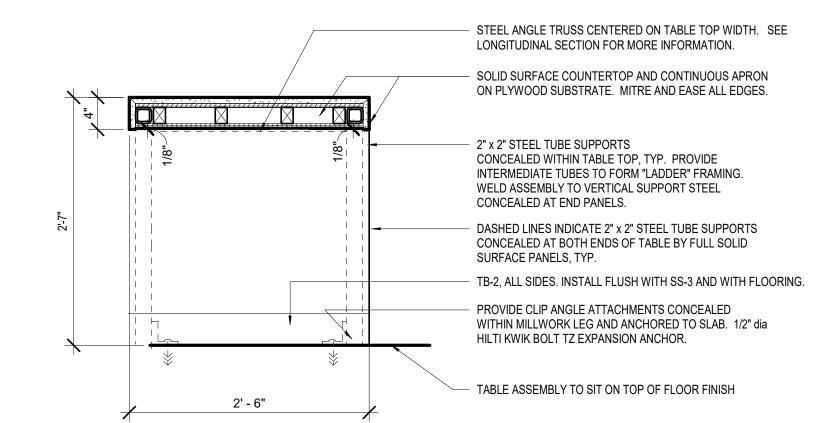
REV	DESCRIPTION	DATE



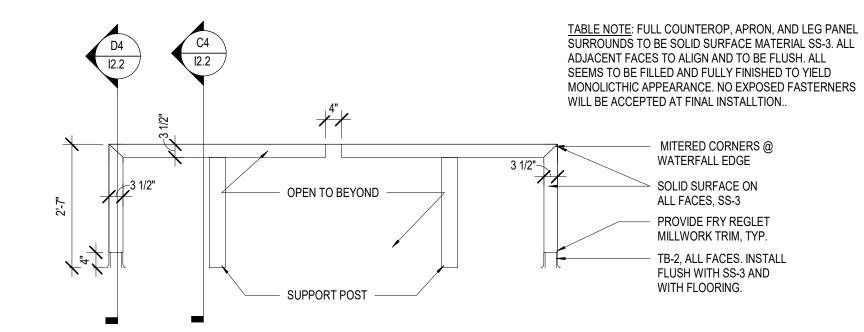


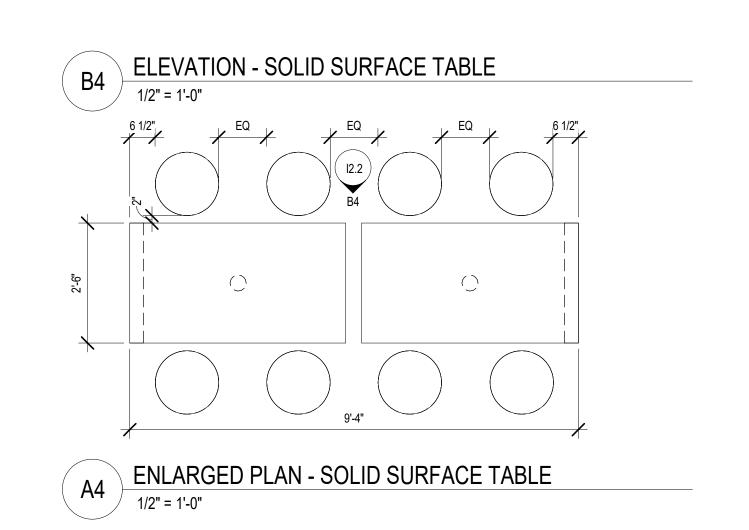


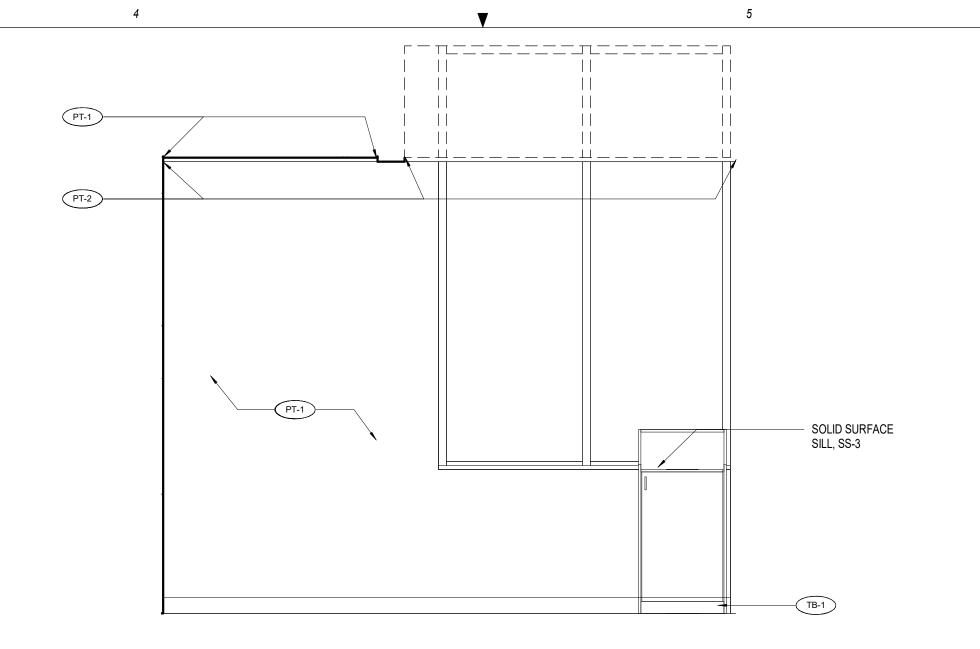




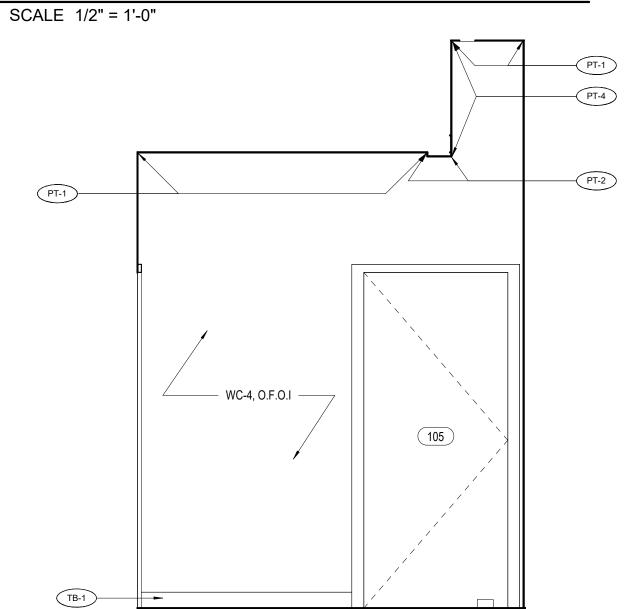




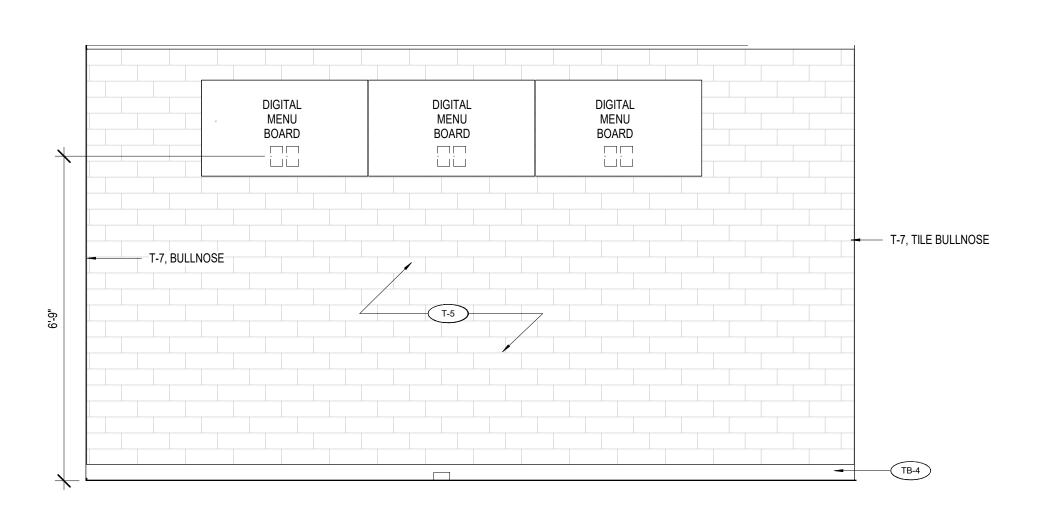








EAST ELEVATION - RESTROOM CORRIDOR SCALE 1/2" = 1'-0"



EAST ELEVATION - MENU BOARD



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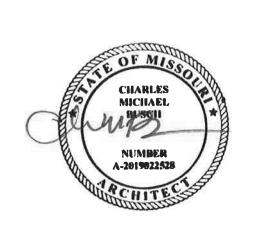
AND YWOOD 150

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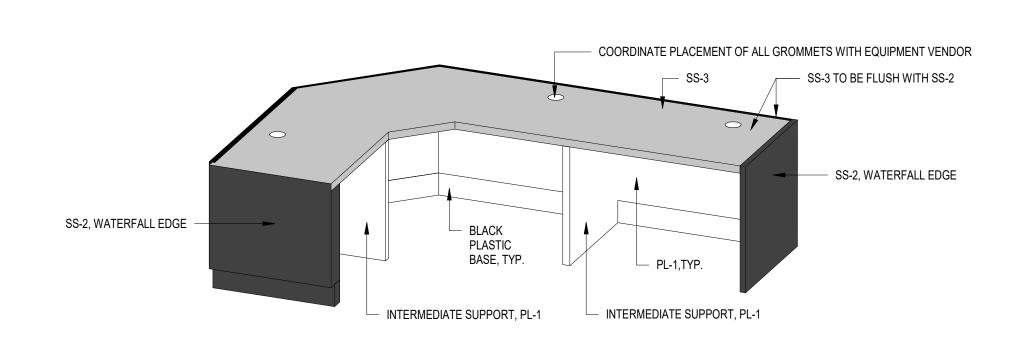
REV	DESCRIPTION	DATE

Project No.: 40497-21 Client Project No.:

Drawing Title:

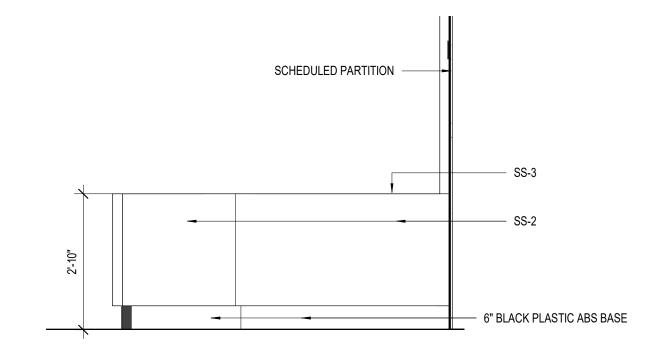
INTERIOR ELEVATIONS

Date:	06.29.22	Phase:	PERMIT SE
Designed:	WB	Drawing No.:	
Drawn:	BKN	12 2	
Checked:	AMF	IZ.Z	



ISOMETRIC VIEW - SERVICE COUNTER BACK

D2 ISOMETRIC VIEW - SERVICE COUNTER



C3 SERVICE COUNTER SIDE VIEW 2

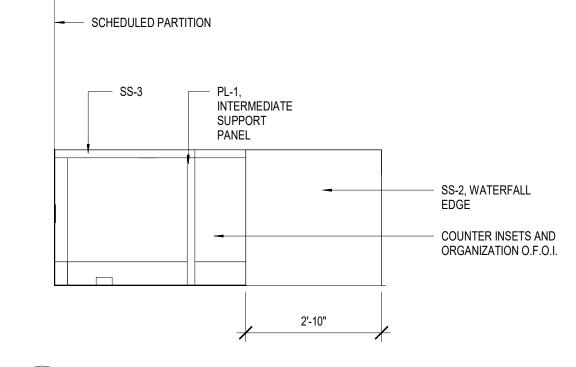
(END PANEL BEYOND)

2'-10"

CASH WRAP ENCLOSURE

1 1/2" = 1'-0"

PL-1 —



C2 SERVICE COUNTER SIDE VIEW 1

COORDINATE PLACEMENT OF ALL GROMMETS WITH

PROVIDE CONTINUOUS 2" x 2" ALUMINUM ANGLE FOR

SCHEDULED SOLID SURFACE, FINISH ALL EXPOSED EDGED

SCHEDULED SOLID SURFACE, FINISH ALL EXPOSED EDGED

PROVIDE CUTOUTS TO COORDINATE WITH RECEPTACLE AND DATA JUNCTION BOX LOCATIONS. CLUSTER RECEPTACLES

TIGHT, 4" ON CENTER. RECEPTACLE FACE PLATES TO BE MOUNTED FLUSH WITH MILLWORK INTERIOR. DEVICES AND FACE PLATES TO BE WHITE. COORDINATE OUTLET LOCATIONS WITH

PROVIDE CUT OUTS AT INTERNAL PLYWOOD RIBS TO

BLACK FRY REGLET MILLWORK TRIM TO PROTECT EDGE

EQUIPMENT VENDOR

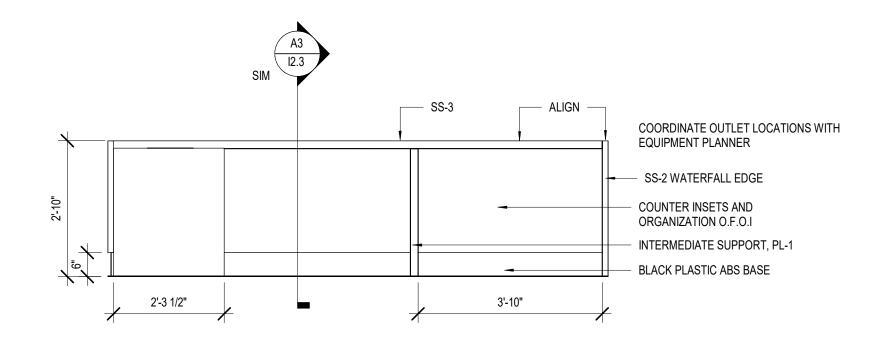
SUPPORT OF SURFACE.

EQUIPMENT PLANNER.

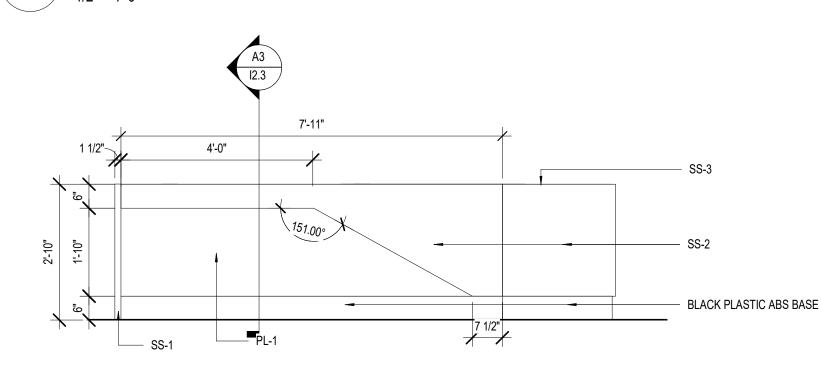
SCHEDULED PLAM ON MDF

ACCOMMODATE WIREWAYS.

BLACK PLASTIC ABS BASE

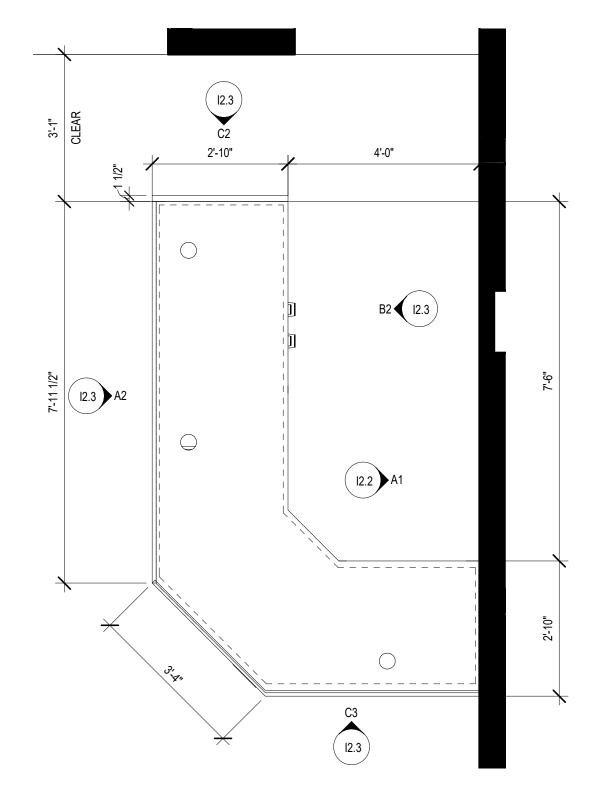


B2 WEST ELEVATION - SERVICE COUNTER INTERIOR



A2 EAST ELEVATION - SERVICE COUNTER

1/2" = 1'-0"



A1 ENLARGED PLAN -SERVICE AREA



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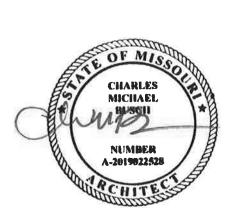
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2 HW 150 AND LYWOOD ST

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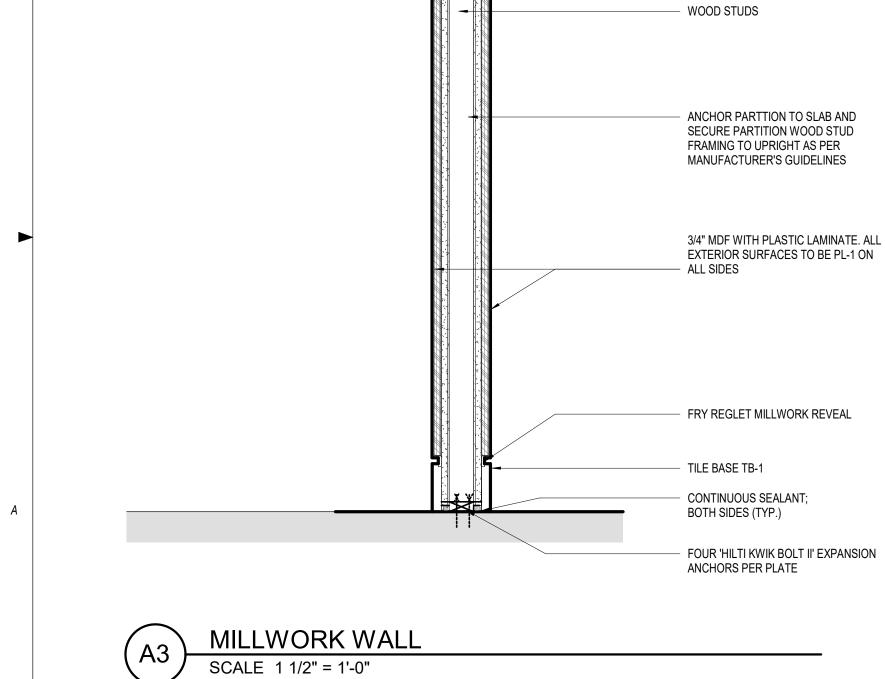
Project No.: 40497-21

Client Project No.:

Drawing Title:

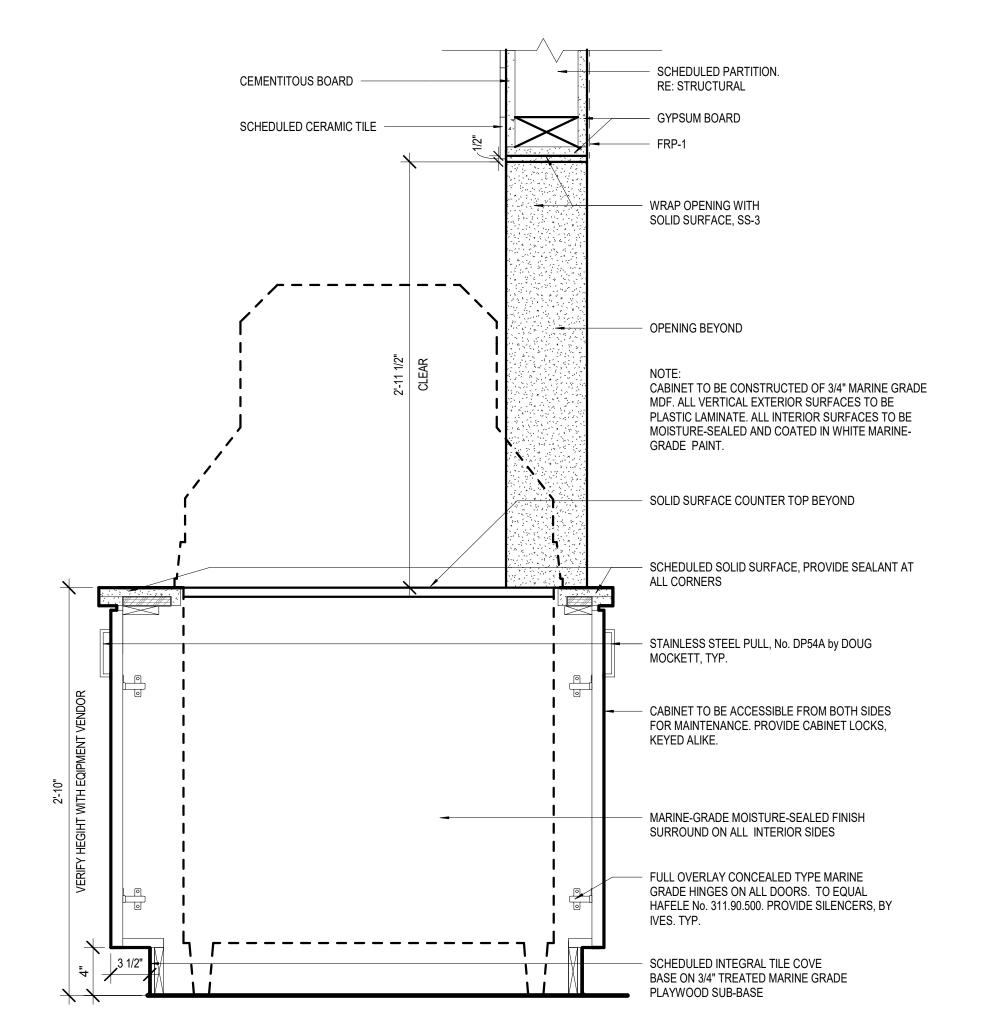
SERVICE COUNTER

Date:	06.29.22	Phase:	PERMIT SET
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Charlend.	A A 4 5	/ 3	

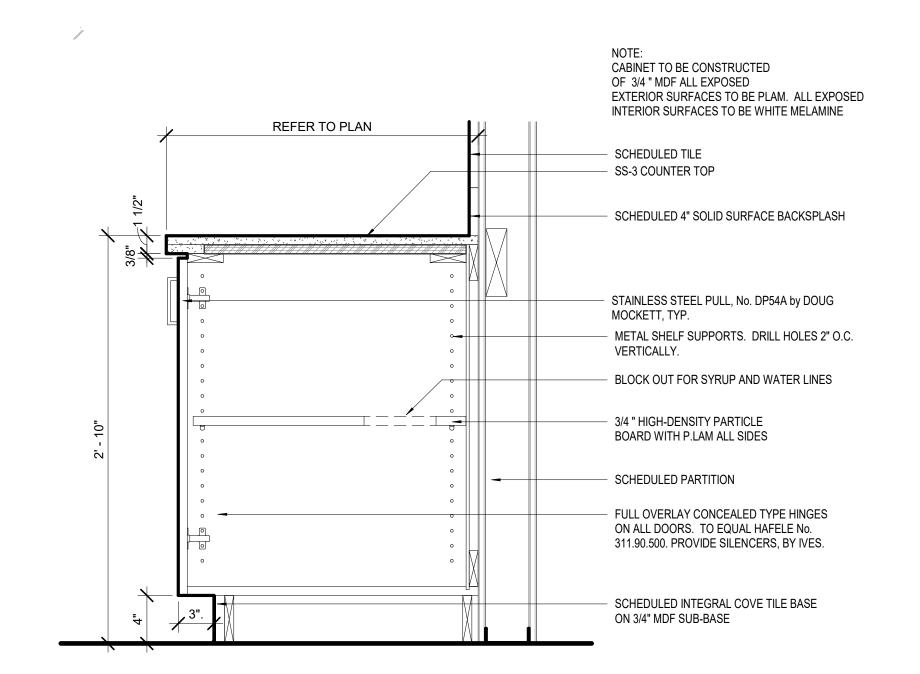


CEMENTITOUS BOARD SCHEDULED CERAMIC TILE 4" SS-3 BACK SPLASH -WOOD STUD, RE: STRUCTURAL SS-3 COUNTER TOP CABINET TO BE CONSTRUCTED 2'-8" OF 3/4 " MDF ALL EXPOSED EXTERIOR SURFACES TO BE PLAM. ALL EXPOSED INTERIOR SURFACES TO BE WHITE MELAMINE. STAINLESS STEEL PULL, No. DP54A by DOUG MOCKETT, TYP. - 3/4 " MDF WITH P.LAM ALL SIDES METAL SHELF SUPPORTS. DRILL HOLES 2" O.C. VERTICALLY. FULL OVERLAY CONCEALED TYPE HINGES
 ON ALL DOORS. TO EQUAL HAFELE №. 311.90.500. PROVIDE SILENCERS, BY IVES. - SCHEDULED PARTITION SCHEDULED INTEGRAL COVE TILE BASE ON _3/4" MDF SUB-BASE,

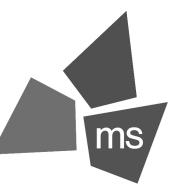
CABINET BEVARAGE STATION DETAIL



BASE CABINET DRINK EQUIPMENT



BASE CABINET FULL DOOR TYP.



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AND YWOOD. 150

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40497-21 Project No.: Client Project No.:

Drawing Title:

DETAILS

Date:	06.29.22	Phase:	PERMIT SET
Designed:	WB	Drawing No.:	
Drawn:	BKN	13 1	
01 1 1			

TOP CAP TO

BE 6MM SS-2.

Checked: AMF



SCALE 12" = 1'-0"



BANQUETTE SEATING

BANQUETTE SEATING

144 MILLWORK TABLES
178 W0MEN'S RESTROOM SIGN
179 OCCUPANCY SIGN
180 THANK YOU FOR CHOOSING WHATABURGER SIGN

181 RESTROOM (SIGN ABOVE)
197 HARMON PICTURE, RE:C1/l4.1

DRIVE THRU AREA #1

OFFICE 112

FREEZER 115

COOLER 114

FURNITURE LEGEND KEY DESCRIPTION SIZE NOTES TABLE 24 X 24 T-2 TABLE 24 X 44 TABLE 24 X 24 COLOR: DAY DOT T-4 TABLE 30 X 48 ADA COMPLIANT TABLES BT-1 BOOTH BT-2 BOOTH

FIELD VERIFY

FIELD VERIFY

23'-0"



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150 AND HOLLYWOOD NEQ HW



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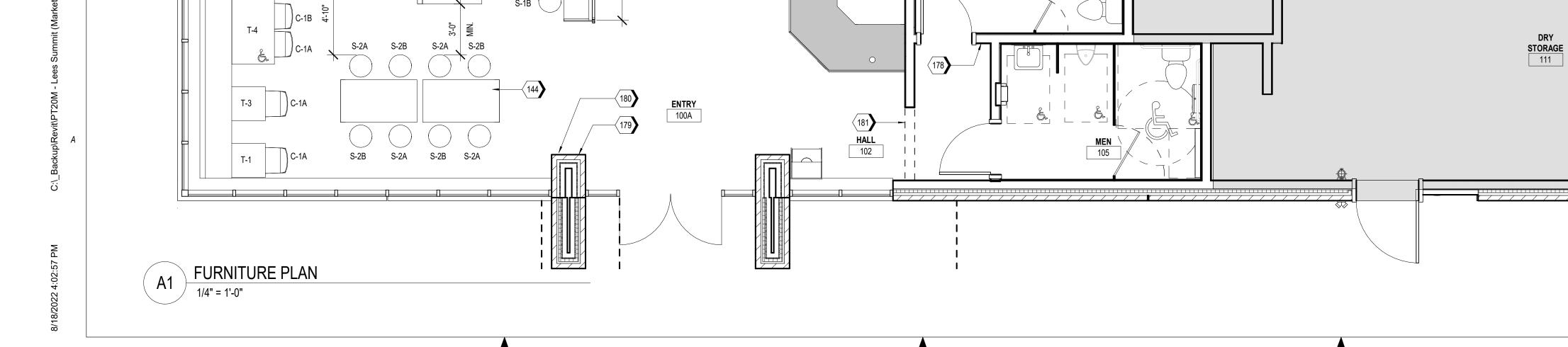
Project No.: 40497-21 Client Project No.:

Drawing Title:

FURNITURE PLAN

Date:	06.29.22	Phase:	PERMI
Designed:	WB	Drawing No.:	
Drawn :	BKN	111	

| **14.1** Checked: AMF



SERVING AREA 103

DINING ROOM 100

COOKING 117

COOKING 107

ROOM 110

T-4 ADA

C-1B C-1A

S-1B (

S-1A (

S-1B (

S-1A

ADA

C-1B

C-1A

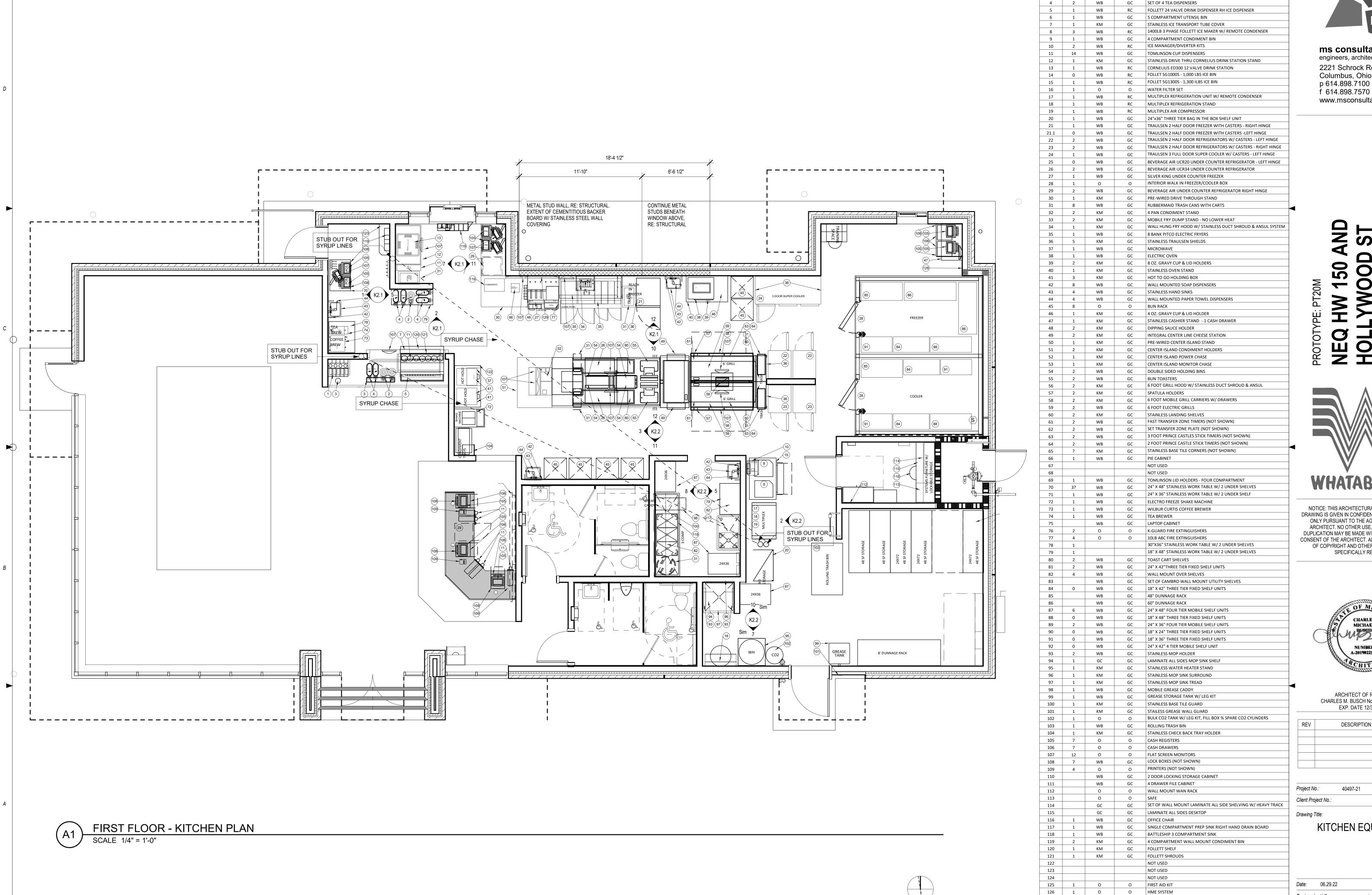
C-1A

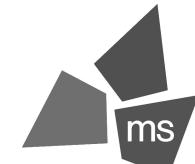
C-1B

C-1A

C-1B

MIN.





NO. PT20 Qty | SUPPLIED BY | INSTALLED BY | EQUIPMENT DESCRIPTION

2 WB GC EXTERIOR TRASH CANS W/ LIDS (NOT SHOWN)

130 1 O O PRE-PRODUCTION TABLET AND MOUNT - SAMSUNG GALAXY TAB A

 128
 2
 WB
 GC
 SMOKER'S OUTPOST (NOT SHOWN)

 129
 1
 0
 0
 43" HUD WALL MOUNTED MONITOR

GC TOMLINSON LID HOLDERS - FIVE COMPARTMENT GC WILBUR CURTIS COFFEE DISPENSERS W/ STANDS

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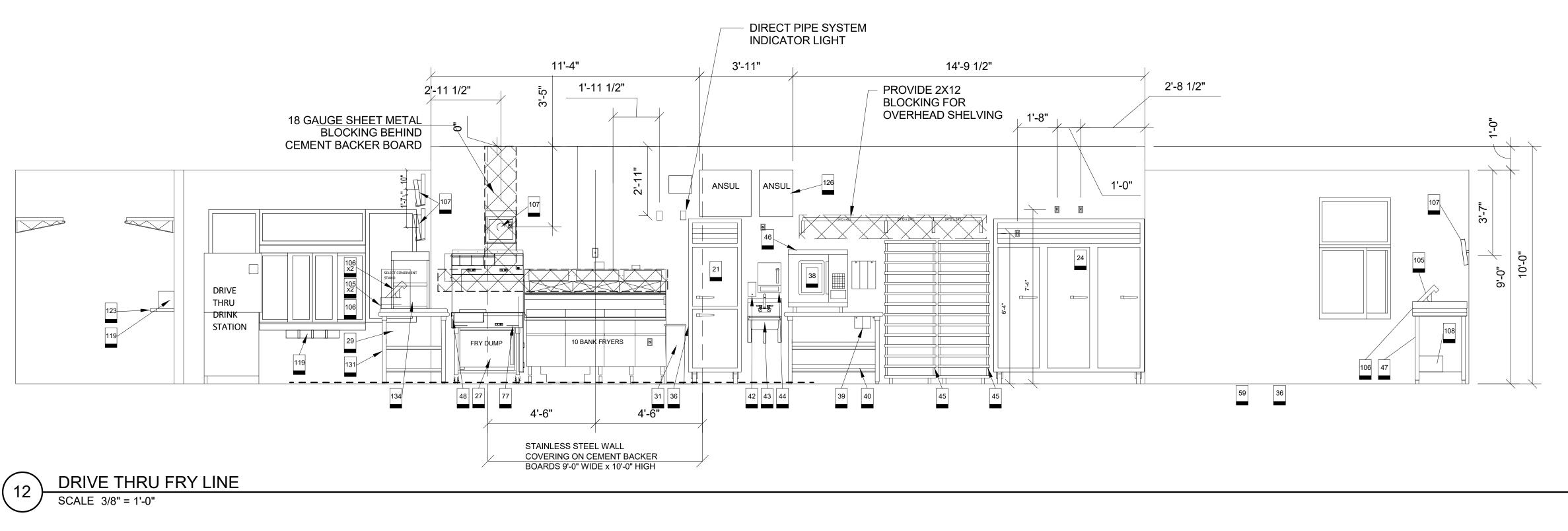
ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

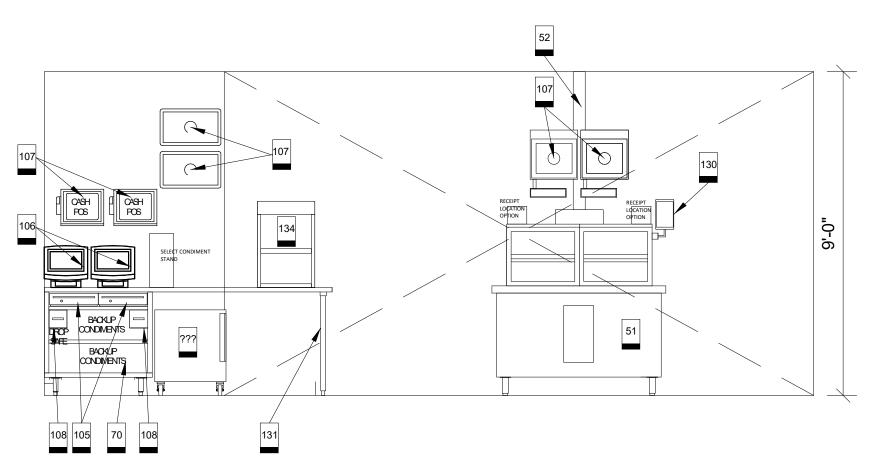
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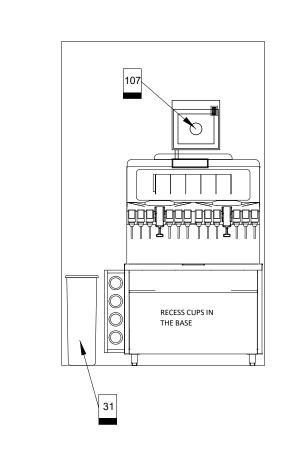
40497-21

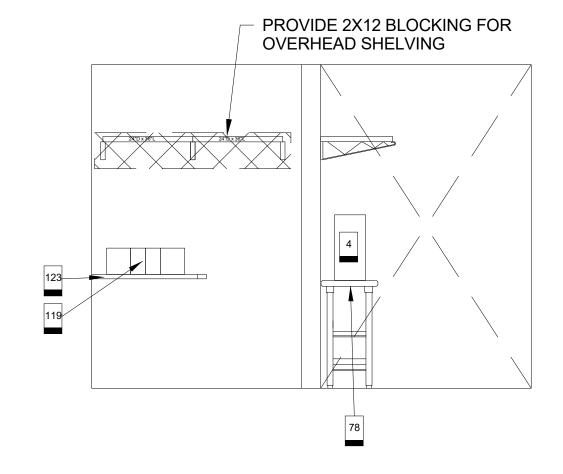
KITCHEN EQUIPMENT

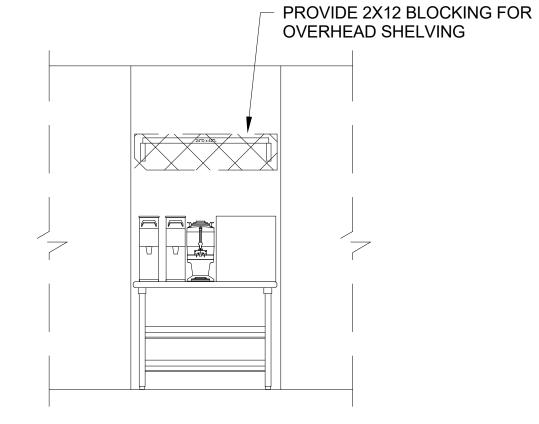
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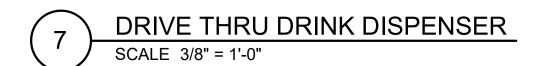




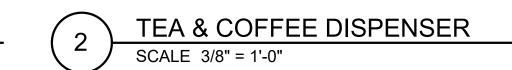


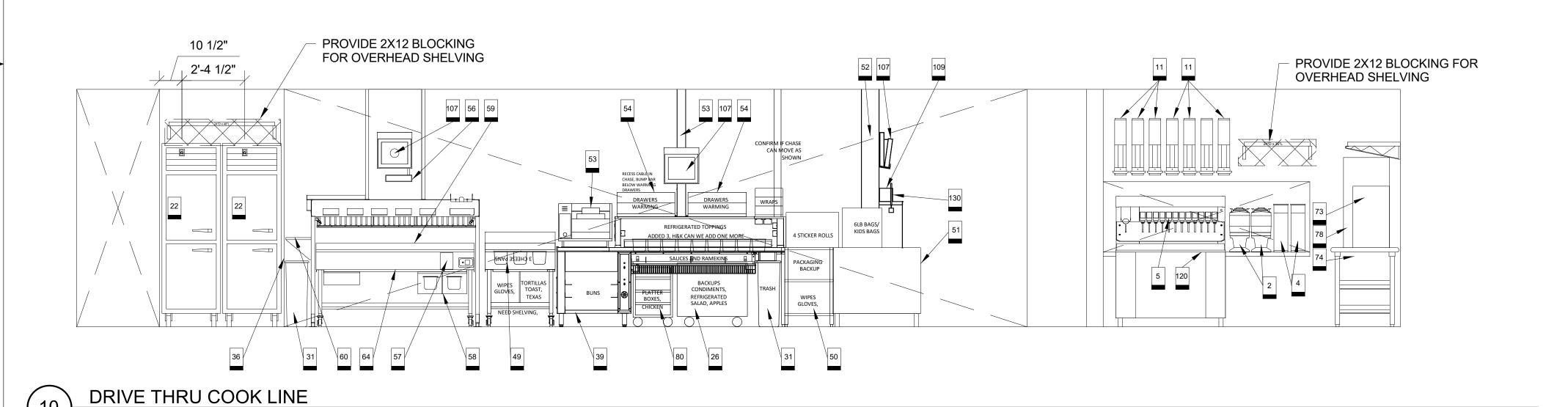
GATOR SCALE 3/8" = 1'-0"

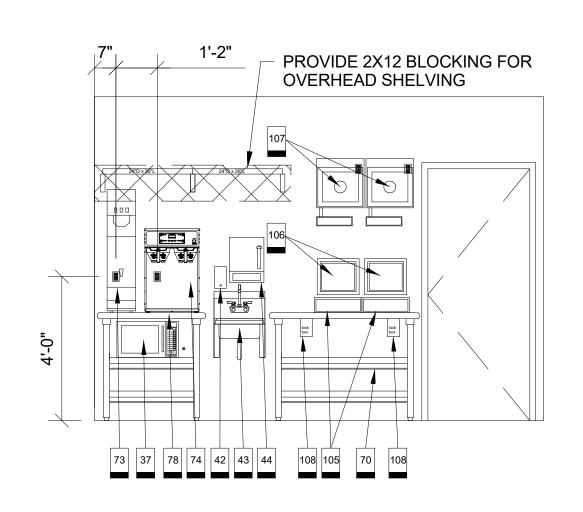
SCALE 3/8" = 1'-0"











EXPEDITE DOOR SCALE 3/8" = 1'-0"



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AND YWOOD 150

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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

REV	DESCRIPTION	DATE

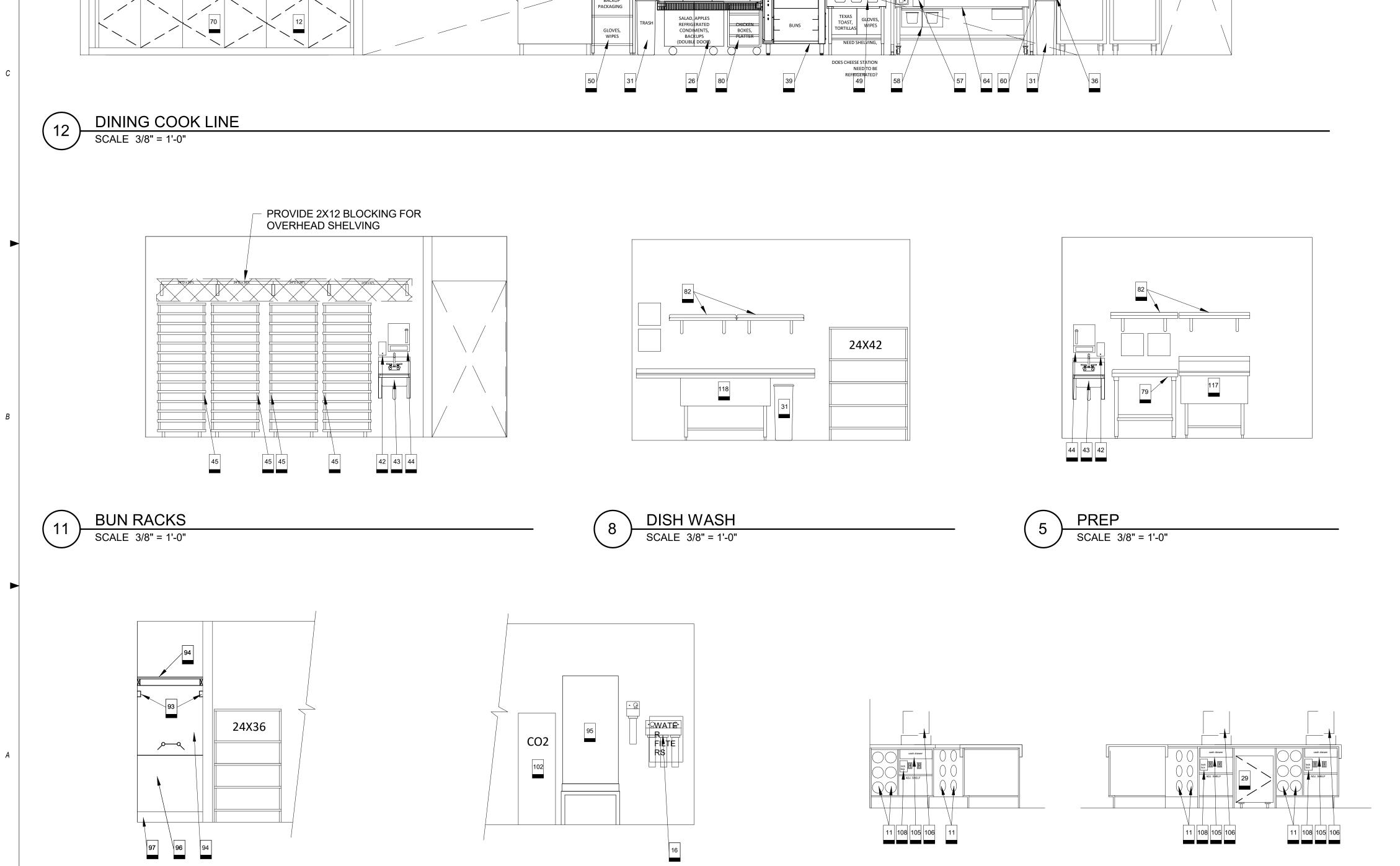
Project No.: 40497-21 Client Project No.:

Drawing Title:

KITCHEN ELEVATIONS

PERMIT SET Date: 06.29.22 Phase: Designed: WB Drawing No.: Drawn: BKN Checked: AMF

K2.1



SERVICE ENTRY HALL 2

SERVICE ENTRY HALL

SERVICE COUNTER

SCALE 3/8" = 1'-0"

PROVIDE 2X12 BLOCKING
 FOR OVERHEAD SHELVING



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HW 150 AND

PROVIDE 2X12 BLOCKING FOR OVERHEAD SHELVING

MULTIPLEX

SHAKE AND HOT COLD

STORAGE

SERVICE ENTRY HALL

SCALE 3/8" = 1'-0"

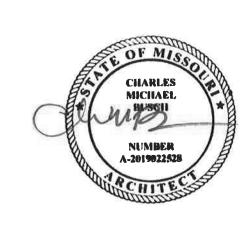
SCALE 3/8" = 1'-0"

24X36

NEQ HW 150 / HOLLYWOOD



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ARCHITECT OF RECORD: CHARLES M. BUSCH No. A-2019022528 EXP. DATE 12/31/2023

REV	DESCRIPTION	DATE

Project No.: 40497-21

Client Project No.:

Drawing Title:

KITCHEN ELEVATIONS

Date:	06.29.22	Phase:	PERMIT SE
Designed:	WB	Drawing No.:	
Drawn:	BKN	1/0)
Checked:	AMF	NZ.Z	_

TOTALCOM MANAGEMENT, INC. 210-366-1116(OFC)

210-889-4610(CELL)

MOE@TOTALCOM-INC.COM PROJECT EMAIL - WHATABURGER@TOTALCOM-INC.COM

VENDOR NOTES

- A. PLEASE EMAIL TOTALCOM AT WHATABUGER@TOTALCOM-INC.COM FINAL APPROVED SUBMITTALS AND PLANS APPROVED
- PLEASE SEND ANY AND ALL QUESTIONS PERTAINING TO SYSTEM TO WHATABURGER@TOTALCOM-INC.COM OR CONTACT MOE OROIAN AT 210-889-4610
- MUST CONFIRM PRIOR TO BIDDING PROJECT IF THE AHJ WILL REQUIRE TO MONITOR THE PIT VALVE AND / OR THE CO2 TANK USED FOR THE CARBONATION FOR THE SOFT DRINKS
- IF LOCAL AHJ REQUIRES A PHONE LINE (POTS), PLEASE NOTIFY TOTALCOM MANAGEMENT, INC. AS SOON AS POSSIBLE TO ALLOW A POTS LINE TO BE INSTALLED PRIOR TO INSPECTION
- FACP SHALL BE EITHER A FIRELITE MS-10UD-7 FOR CONVENTIONAL PANELS OR A FL-ES50X FOR ADDRESSABLE -DEPENDANT ON THE LOCAL AHJ REQUIREMENTS - CELL COMUNICATOR SHALL BE A NAPCO STARLINK SLE-LTEVI-FIRE
- FIRE ALARM COMPANY MUST EMAIL RADIO INFORMATION (ID#) 2 WEEKS PRIOR TO SCHEDULED INSTALL TO TOTALCOM MANAGEMENT AT WHATABURGER@TOTALCOM-INC.COM. TOTALCOM WILL PROGRAM RADIO WITH IP ADDRESS AND ACCOUNT NUMBER. INSTALLING COMPANY MUST ALSO NOTIFY TOTALCOM WHEN FINAL INSPECTION IS SCHEDULED WITH FIRE MARSHAL. TOTALCOM WILL PROVIDE ACCOUNT INFO, PASSWORD AND PHONE NUMBER FOR TESTING OF SYSTEM PLEASE EMAIL TOTALCOM AT WHATABUGER@TOTALCOM-INC.COM FINAL APPROVED SUBMITTALS AND PLANS APPROVED
- FOR ALL PROJECTS BUILT WITHIN THE STATE OF TEXAS: FIRE ALARM COMPONENTS SHALL BE SUPPLIED BY TOTALCOM, PLEASE CALL FOR PRICING.

FIRE ALARM GENERAL NOTES

FACP UL LISTED FIRE ALARM CONTROL PANEL ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR

FIRE ALARM SYMBOLS

CEILING MOUNT STROBE

CEILING MOUNT HORN/STROBE

WALL MOUNT HORN/STROBE

WEATHERPROOF WALL MOUNT HORN/STROBE

WEATHERPROOF WALL MOUNT STROBE

ADDRESSABLE MANUAL PULL STATION

ADDRESSABLE MONITOR MODULE

FIRE ALARM ANNUNCIATOR PANEL

PROVIDE AN ADDRESSABLE OR CONVENTIONAL FIRE ALARM / SPRINKLER MONITORING SYSTEM THROUGHOUT BUILDING IN ACCORDANCE WITH NFPA 72 AND LOCAL ADOPTED BUILDING / FIRE CODES AND STANDARDS. REGARDLESS OF TYPE, EACH ZONE / INITIATING FIELD DEVICES SHALL GENERATE ITS OWN SIGNAL TO CENTRAL STATION.

DO NOT LOCATE AREA SMOKE DETECTORS IN DIRECT AIR OR CLOSER THAN 3 FT FROM AN AIR SUPPLY OR RETURN DIFFUSER.

PROVIDE CONNECTIONS TO THE POWER SERVICE PER NFPA 72 FOR FIRE PANELS.

PROVIDE 18 AWG MINIMUM INITIATING DEVICE AND SIGNALING LINE CIRCUITS. SIZE WIRING AS REQUIRED.

PROVIDE 16 AWG MINIMUM NOTIFICATION APPLIANCE CIRCUITS. SIZE WIRING AS REQUIRED.

PROVIDE SLEEVES AND WALL PLATES FOR ALL PENETRATIONS THROUGH WALLS OR FLOORS THAT MIGHT INCLUDE DRILLING THROUGH CONCRETE, METAL, SHEETROCK, OR OTHER MATERIALS. SEAL ALL PENETRATIONS IN FIRE-RATED SEPARATIONS TO MEET THE MINIMUM FIRE RATING OF THE WALL OR FLOOR.

PROVIDE NOTIFICATION AND SIGNAL LINE APPLIANCE CIRCUITS PER AHJ AND LOCAL CODES AND STANDARDS.

REQUIRED CONDUIT TO FAAP TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR/ELECTRICAL CONTRACTOR.

NOT USED.

FIRE ALARM GENERAL NOTES

- CONFIRM WITH AHJ AND LOCAL AMENDMENTS THAT EMERGENCY RESPONDER RADIO COVERAGE IS NOT REQUIRED.
- THESE DOCUMENTS DEPICT A PERFORMANCE LEVEL ENGINEERING DESIGN LAYOUT TO BE UTILIZED AS GUIDANCE FOR THE PLANNING OF THE FIRE ALARM SYSTEM BY THE CONTRACTOR. PROVIDE COMPLETE DOCUMENTS FOR REVIEW AND APPROVAL FROM THE ENGINEER AND THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION. INCLUDE IN THE SHOP DRAWINGS, CALCULATIONS, AND ANY INSTALLATION INFORMATION AND COMPLY WITH LOCAL CODES AND AMENDMENTS.
- IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO PROVIDE A PROPER SPRINKLER MONITORING SYSTEM OR A FIRE ALARM SYSTEM THAT MEETS THE MINIMUM LOCAL AHJ REQUIREMENTS. NOTIFICATION AND INITIATING DEVICE QUANTITIES

FIRE PROTECTION GENERAL NOTES

- A. AUTOMATIC SPRINKLER SYSTEM PROVIDED BY OTHERS. CONFIRM REQUIREMENT WITH LOCAL AHJ, CODES, AND AMENDMENTS.
- B. CLIENT TO PROVIDE WET CHEMICAL SUPPRESSION SYSTEM IN KITCHEN FOR KITCHEN COOKING EQUIPMENT AS REQUIRED BY AHJ AND LOCAL AMENDMENTS.



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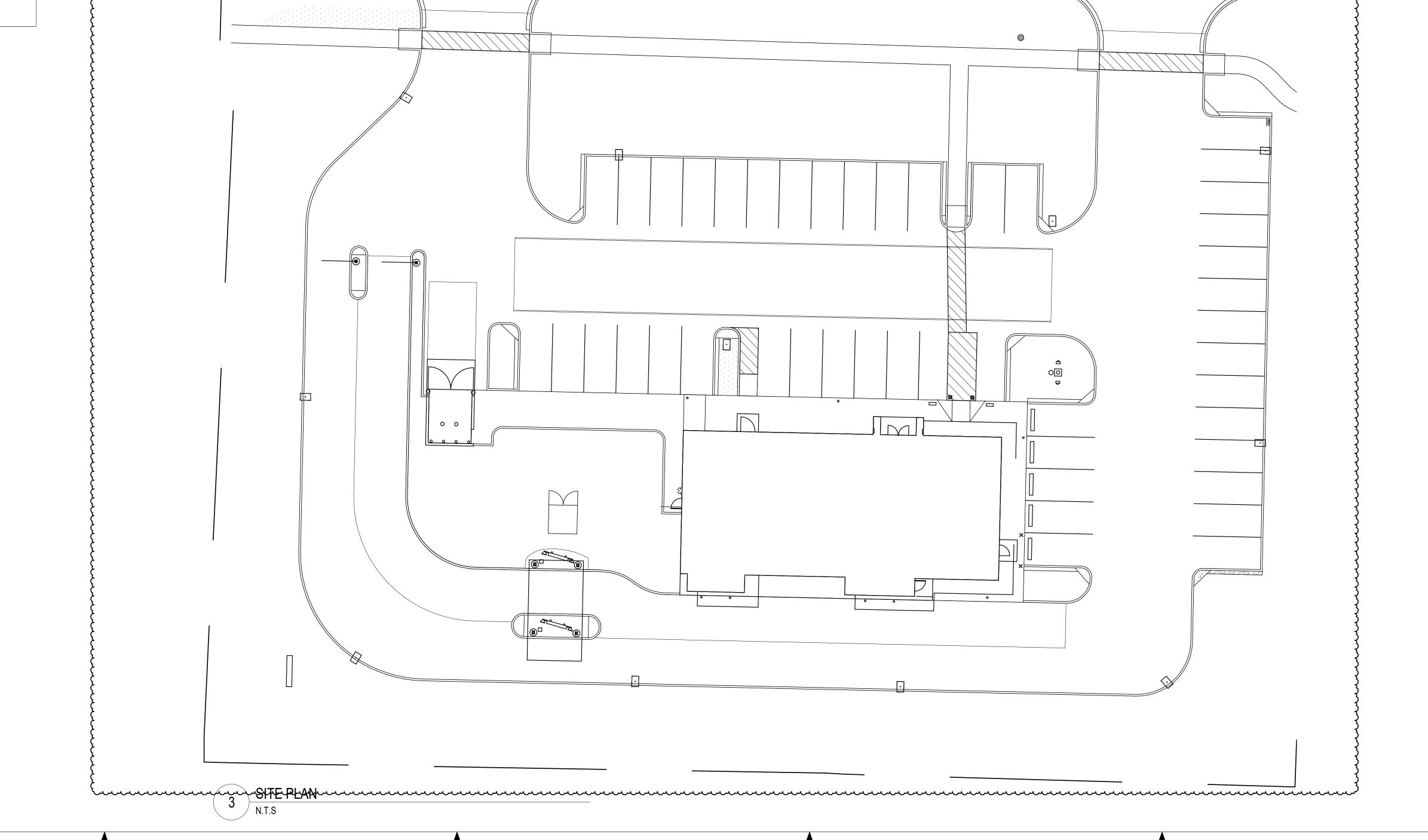
REV	DESCRIPTION	DATE
1	Development Comment Response	08/03/22

Project No.: 62-40497 - 21 Client Project No.:

Drawing Title: SITE PLAN

Phase: PERMIT SET Date: 06.29.2022

Designed: JPF Drawn: JPF Checked: KFF



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VENDOR NOTES

- B. PLEASE SEND ANY AND ALL QUESTIONS PERTAINING TO SYSTEM TO WHATABURGER@TOTALCOM-INC.COM OR CONTACT MOE OROIAN AT 210-889-4610
- C. MUST CONFIRM PRIOR TO BIDDING PROJECT IF THE AHJ WILL
- IF LOCAL AHJ REQUIRES A PHONE LINE (POTS), PLEASE NOTIFY TOTALCOM MANAGEMENT, INC. AS SOON AS POSSIBLE TO ALLOW A POTS LINE TO BE INSTALLED PRIOR TO INSPECTION
- FACP SHALL BE EITHER A FIRELITE MS-10UD-7 FOR DEPENDANT ON THE LOCAL AHJ REQUIREMENTS - CELL
- FIRE ALARM COMPANY MUST EMAIL RADIO INFORMATION (ID#) 2 WEEKS PRIOR TO SCHEDULED INSTALL TO TOTALCOM MANAGEMENT AT WHATABURGER@TOTALCOM-INC.COM. TOTALCOM WILL PROGRAM RADIO WITH IP ADDRESS AND ACCOUNT NUMBER. INSTALLING COMPANY MUST ALSO NOTIFY TOTALCOM WHEN FINAL INSPECTION IS SCHEDULED WITH FIRE MARSHAL. TOTALCOM WILL PROVIDE ACCOUNT INFO, PASSWORD AND PHONE NUMBER FOR TESTING OF SYSTEM PLEASE EMAIL TOTALCOM AT WHATABUGER@TOTALCOM-INC.COM FINAL APPROVED SUBMITTALS AND PLANS APPROVED
- FOR ALL PROJECTS BUILT WITHIN THE STATE OF TEXAS: FIRE ALARM COMPONENTS SHALL BE SUPPLIED BY TOTALCOM, PLEASE CALL FOR PRICING.

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322

ENTRY 100A

DINING ROOM

FIRE ALARM PLAN

FIRE ALARM GENERAL NOTES

- DUCT DETECTORS WITH REMOTE TEST SWITCHES WILL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR
- DUCT DETECTORS TO BE MONITORED BY FACP WHERE REQUIRED BY AHJ

KEYNOTES

- PHOTOELECTRIC SMOKE DETECTOR MOUNTED 320 ABOVE FIRE ALARM CONTROL PANEL IN ACCORDANCE WITH NFPA 72.
- FIRE ALARM ANNUNCIATOR PANEL SHOWN FOR REFERENCE, COORDINATE FINAL LOCATION WITH 321 CONSTRUCTION DOCUMENTS. LOCATION NOT TO INTERFER WITH WB PROVIDED WALL ART OR ARCHTECTUAL FEATURES.
- RTU DUCT SMOKE DETECTOR SHOWN FOR REFERENCE. COORDINATE FINAL LOCATION WITH
- CONSTRUCTION DOCUMENTS. 323 PROVIDE FIRE ALARM CONTROL PANEL
- MONITOR KITCHEN COOKING EQUIPMENT SUPPRESSION SYSTEM FOR ACTIVATION.

DRIVE THRU AREA #1 116

FREEZER 115

COOLER 114

OFFICE 112

FACP

FIRE RISER

COOKING 117

MEN 105

WOMEN 106

SERVING AREA

HALL 102

COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN

WASH ROOM 110

RTU-1

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Project No.: 62-40497 - 21 Client Project No.:

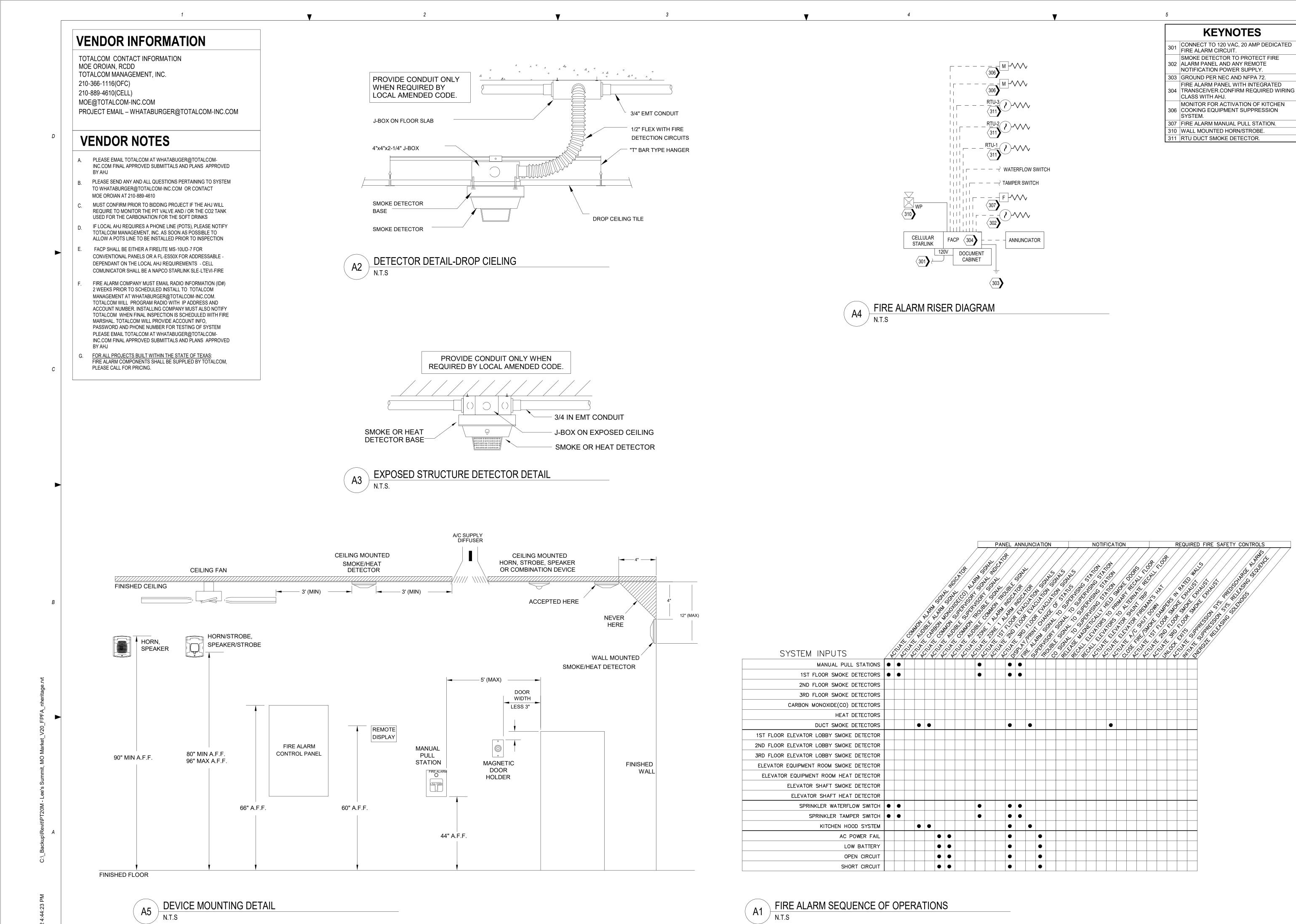
Drawing Title:

FIRE ALARM PLAN

Phase: PERMIT SET 06.29.2022 Designed: JPF Drawing No.:

Drawn: JPF Checked: KFF

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- REQUIRE TO MONITOR THE PIT VALVE AND / OR THE CO2 TANK USED FOR THE CARBONATION FOR THE SOFT DRINKS
- CONVENTIONAL PANELS OR A FL-ES50X FOR ADDRESSABLE -COMUNICATOR SHALL BE A NAPCO STARLINK SLE-LTEVI-FIRE



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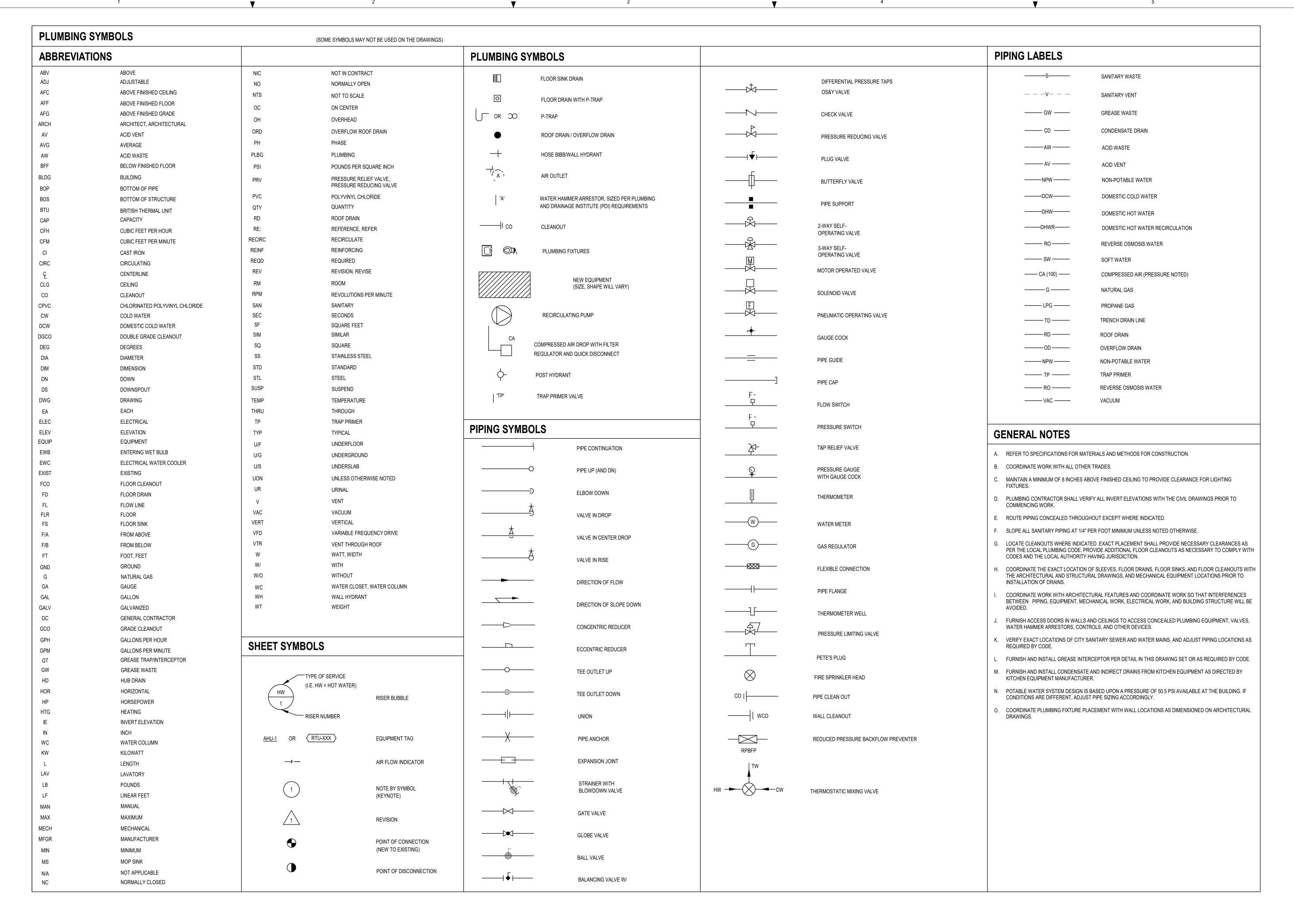
Project No.: 62-40497 - 21 Client Project No.:

Drawing Title:

FIRE ALARM DETAIL

Phase: PERMIT SET Date: 06.29.2022 Designed: JPF Drawing No.: Drawn: JPF

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01/17/20 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/2022

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	REV	DESCRIPTION	DATE

Project No.: 62-40497-21

Client Project No.:

Drawing Title:

PLUMBING SYMBOLS AND ABBREVIATIONS

 Date:
 06.29.2022
 Phase:
 PERMIT SET

 Designed:
 JPF
 Drawing No.:

 Drawn:
 JPF

Drawn: JPF Checked: KFF

P0.1

FIXTURE UNIT CALCULATIONS SCALE: N.T.S.

W.S.F.U. 43.5 FU = 27.3 GPM (1-1/2" MIN. WATER SERVICE)

FIXTURE UNIT COUNT

ITEM

LAVATORY

HAND SINK

MOP SINK

PREP SINK

HOSE BIBB # 1

HOSE BIBB # 2

FLOOR SINK

URINAL (FLUSH VALVE)

3-COMP. SINK (1 FAUCET)

MISC. EQUIP. ITEMS

FLOOR SINK (KITCHEN)

TOTAL FIXTURE UNITS:

WATER CLOSET (FLUSH TANK)

PLUMBING SITE PLAN

QTY. SIZE D.F.U.

1 2" 2.0 2.0 SAN. 2.0

4 | 1.25" | 2.0 | 8.0 SAN. | 1.5

1 3" 3.0 3.0 GW 3.0

1 FS - - GW 3.0

2 3" 5.0 10.0 SAN.

4 3" 5.0 20.0 GW

2 2" 2.0 4.0 SAN.

D.F.U. 61.0 FU = 4" PIPING HORIZONTAL @ 1/4" PER FOOT SLOPE (216 FU MAX.)

5 FS - - GW 1.0

23.0 GW

38.0 SAN.

2 1.25" 1.0 2.0 SAN. 1.0

3 4" 4.0

PROJECT: WHATABURGER LOCATION: OZARK, MO

TOTAL D.F.U. W.S.F.U. TOTAL W.S.F.U.

2.5

1.0

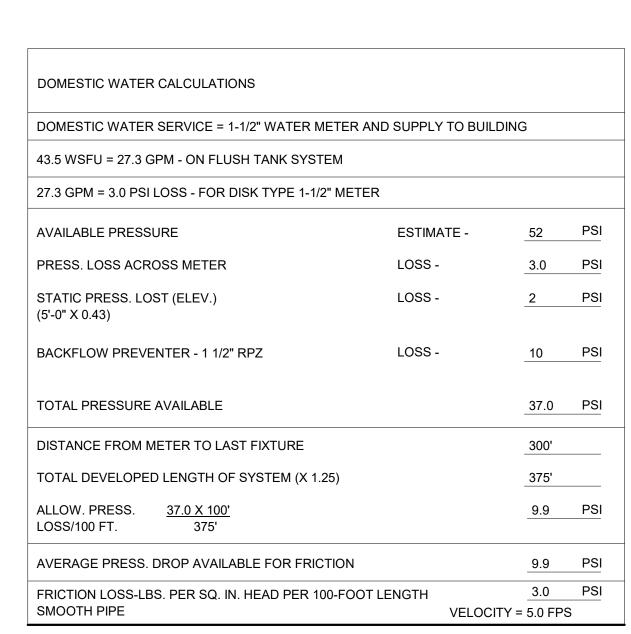
2.0

6.0

W.S.F.U.

43.5

1/8" = 1'-0"



FORMULA FOR	MIXING HOT AND	COLD	WATER
<u>M-C =</u> H-C	% OF HOT WATE DESIRED MIXED		QUIRED TO PRODUCE ERATURE
M = C = H =	MIXED WATER T COLD WATER TI HOT WATER TEI	EMPER	RATURE
Т	EMPERATURE FA	CTOR	S COLD WATER
	WHEN INCOMING COLD WATER IS	MUL [*]	TIPLY HOT WATER D BY
	50°	С	0.90
	60°	C	0.80
	70°		
	70	'	0.70
	POSE HOT WATER		0.70 SUMPTION GUIDE FOR VARIOU
KITCHEN USAG	POSE HOT WATER		
KITCHEN USAG APPLICATION	POSE HOT WATER	R CON	SUMPTION GUIDE FOR VARIOU
KITCHEN USAG APPLICATION PREP SINK	POSE HOT WATER	R CONS	SUMPTION GUIDE FOR VARIOU CONSUMPTION (GPH)
KITCHEN USAG APPLICATION PREP SINK TRIPLE POT SIN	POSE HOT WATER	QTY.	SUMPTION GUIDE FOR VARIOU CONSUMPTION (GPH) 1 X 30 = 30
KITCHEN USAG APPLICATION PREP SINK TRIPLE POT SIN HAND SINKS	POSE HOT WATER	QTY.	SUMPTION GUIDE FOR VARIOU CONSUMPTION (GPH) 1 X 30 = 30 1 X 90 = 90
GENERAL PURI KITCHEN USAG APPLICATION PREP SINK TRIPLE POT SIN HAND SINKS LAVATORIES	POSE HOT WATER	QTY.	SUMPTION GUIDE FOR VARIOU CONSUMPTION (GPH) 1 X 30 = 30 1 X 90 = 90 4 X 5 = 20
KITCHEN USAG APPLICATION PREP SINK TRIPLE POT SIN HAND SINKS LAVATORIES	POSE HOT WATER	QTY. 1 1 4 2	CONSUMPTION (GPH) 1 X 30 = 30 1 X 90 = 90 4 X 5 = 20 2 X 6 = 12
KITCHEN USAG APPLICATION PREP SINK TRIPLE POT SIN HAND SINKS LAVATORIES MOP SINK (OF	POSE HOT WATER SES. NK F PEAK = 0)	QTY. 1 1 4 2	CONSUMPTION (GPH) 1 X 30 = 30 1 X 90 = 90 4 X 5 = 20 2 X 6 = 12 1 X 10 = 10 162 GPH @ 90° RISE TOTAL

WATER HEATER CALCULATIONS SCALE: N.T.S.

GENERAL NOTES

- REFER TO P0.1 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- B. REFER TO CIVIL DRAWINGS FOR ADDITIONAL PLAN AND DETAIL INFORMATION.



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KEYNOTES

CONTRACTOR SHALL FURNISH AND INSTALL A TRAFFIC RATED EXTERIOR CLEAN-OUT. THE CLEAN-OUT SHALL BE INSTALLED FLUSH WITH THE FINISHED GRADE AND IN CASED IN 8" OF

6" FIRE LINE ENTRANCE SEE CIVIL DRAWINGS FOR POINT OF CONNECTION. GREASE INTERCEPTOR VENTS BELOW GRADE, EXTEND TO BUILDING. SEE P1.2 FOR CONTINUATION. REFERENCE CIVIL FOR CONTINUATION.

MAIN SHUT-OFF VALVE IN CAST IRON BLOCK. DOMESTIC WATER SERVICE ENTRANCE, SEE PLUMBING FLOOR PLAN SHEET P1.1 FOR CONTINUATION AND CIVIL PLANS FOR POINT OF CONNECTION. REFER TO CIVIL UTILITY PLAN FOR BACKFLOW PREVENTER (BFP) COMPLYING WITH LOCAL GOVERNING JURISDICTION

BELOW GRADE GREASE INTERCEPTOR AND SAMPLE WELL, REFER TO SHEET P4.1 FOR DETAIL. COORDINATE LOCATION WITH CONSTRUCTION MANAGER AND CIVIL ENGINEER'S CONSTRUCTION

YWOOD 50

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04/12/19 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/2022

REV	DESCRIPTION	DATE

Project No.:	62-40497-21
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PLUMBING SITE PLAN

Date:	06.29.2022	Phase:	PERMIT SET
Designed:	JPF	Drawing No). <i>:</i>
Drawn:	JPF	D 4	^

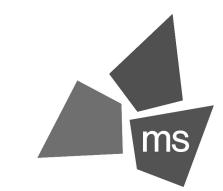
Checked: KFF

DOMESTIC WATER
SERVICE CALCULATIONS
SCALE: N.T.S.

SAMPLE WELL 7

GENERAL NOTES

- A. REFER TO P0.1 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- B. REFER TO PLUMBING RISER DIAGRAMS AND SCHEDULES FOR ADDITIONAL PIPE ROUTING AND SIZING.
- PROVIDE ASSE-1070 CERTIFIED THERMOSTATIC MIXING VALVES AT ALL LAVATORIES AND HANDSINKS. RE: PLUMBING SCHEDULES.
- D. ALL DOMESTIC COLD AND HOT WATER PIPING SHALL BE COPPER.



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	REV	DESCRIPTION	DATE
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Project No.: 62-40497-21

Client Project No.:

Drawing Title:

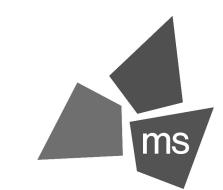
PLUMBING DOMESTIC WATER PLAN

Phase: PERMIT SET Date: 06.29.2022 Designed: JPF Drawing No.:

Drawn: JPF Checked: KFF

GENERAL NOTES

- REFER TO P0.1 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- REFER TO PLUMBING RISER DIAGRAMS AND SCHEDULES FOR ADDITIONAL PIPE ROUTING AND SIZING.
- NO 90 DEGREE WASTE FITTINGS ARE TO BE USED IN THE HORIZONTAL POSITION BELOW THE SLAB. UTILIZE 45 DEGREE FITTINGS CREATING A MINIMUM 3' SWEEP.



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04/12/19 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/2022

REV	DESCRIPTION	DATE

Project No.: 62-40497-21 Client Project No.:

Drawing Title:

PLUMBING DWV PLAN

Phase: PERMIT SET Date: 06.29.2022 Designed: JPF Drawing No.:

Drawn: JPF Checked: KFF

GENERAL NOTES

- A. REFER TO P0.1 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- B. REFER TO PLUMBING RISER DIAGRAMS AND SCHEDULES FOR ADDITIONAL PIPE ROUTING AND SIZING.

MAINTAIN A MINIMUM OF 10'-0" CLEARANCE FROM ALL PLUMBING VENTS AND EXHAUST FANS TO ANY FRESH AIR INTAKE OF HVAC UNITS. TERMINATE VENTS FROM GREASE INTERCEPTOR AT HEIGHT OF PARAPET WALL. PROVIDE BRACING

CONTRACTOR SHALL FURNISH AND INSTALL A NON-FREEZE ROOF HYDRANT. CONNECT A 1" COLD WATER PIPE TO THE ROOF HYDRANT BELOW THE ROOF.



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04/12/19
PROFESSIONAL OF RECORD:
JASON E. CHRISTOFF No.2012002143
EXP DATE: 12/31/2022

REV	DESCRIPTION	DATE

Project No.: 62-40497-21 Client Project No.:

PLUMBING ROOF PLAN

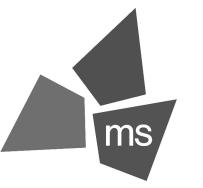
Date:	06.29.2022	Phase:	PERMIT SE
Designed:	JPF	Drawing No). <i>:</i>

P2.1 Checked: KFF

SECONDARY SCUPPER SIZE: 10" X 24"

	PRIMART ROOF DRAIN CALCS - DOWNSPOUTS		
Formula: Qprimary=(ps*A*i)/n			CALCULATIONS BASED OFF 2018 INTERNATIONAL PLUMBING CODE
	VARIABLE	INPUTS	DESCRIPTION
	ps (inches)	.125	slope of horizontal drainage piping (INCHES)
	ps (in./ft.), calc.	0.01041667	slope of horizontal drainage piping (in./ft.)
	Α	2937	area of roof (sq. ft.)
	i	3	rainfall intensity in inches/hour, 60 min. duration
	n	2	number of primary roof drains
	TOTAL gpm	45.89	TOTAL required gpm for each Roof Drain

PRIMARY DRAIN SIZE: 4"



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04/12/19 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/2022

DESCRIPTION	DATE						
	DESCRIPTION						

Project No.: 62-40497-21

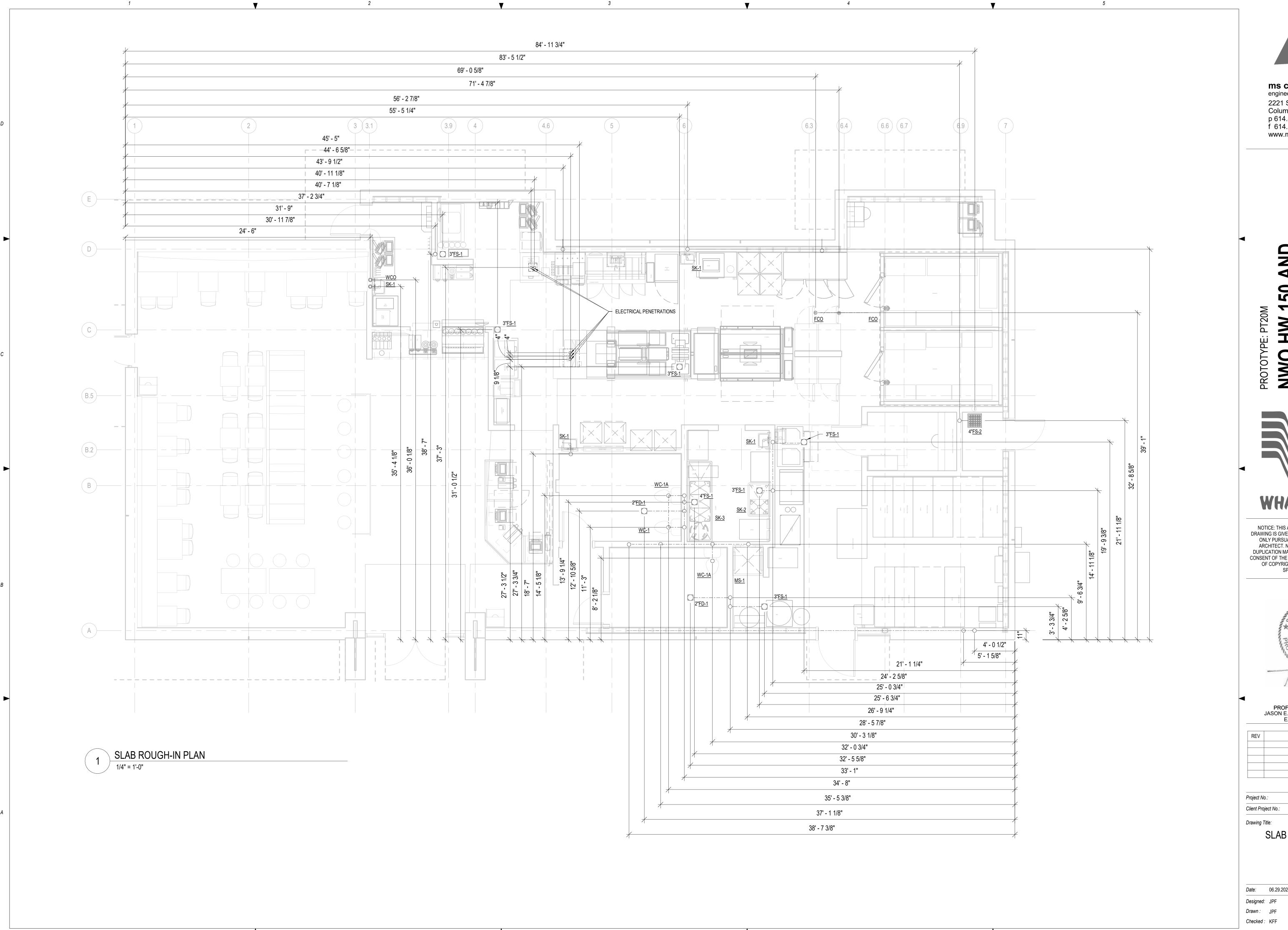
Client Project No.:

Drawing Title: PLUMBING RISER DIAGRAMS

Date: 06.29.2022 Phase: PERMIT SET Designed: JPF

Drawn: JPF Checked: KFF

Drawing No.: P3.1



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HW 150 AND
WWOOD ST

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08/31/20 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/2022

	REV	DESCRIPTION	DATE

Project No.: 62-40497-21

Client Project No.:

SLAB ROUGH-IN PLAN

 Date:
 06.29.2022
 Phase:
 PERMIT SET

 Designed:
 JPF
 Drawing No.:

 Drawn:
 JPF

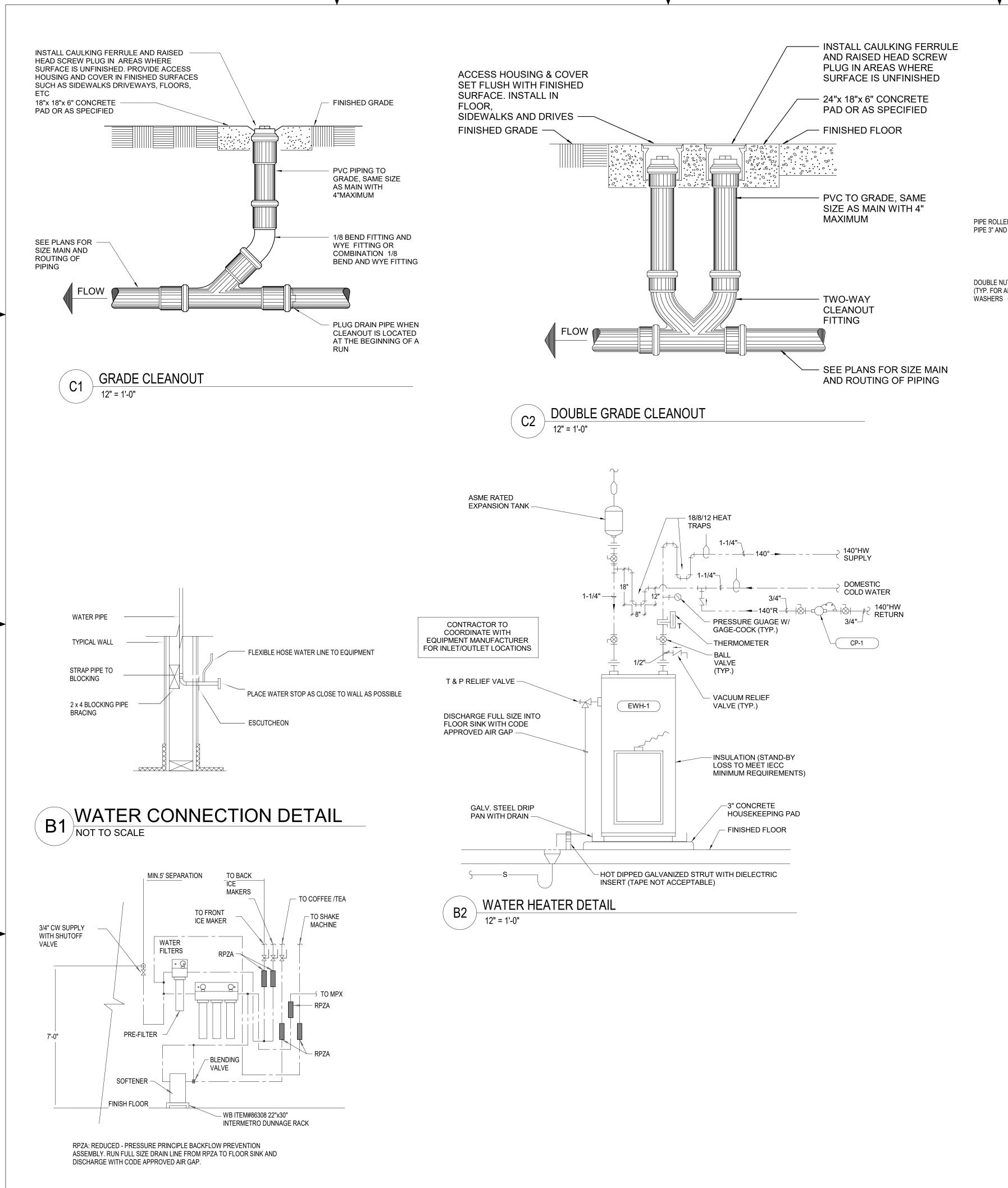
PF P3

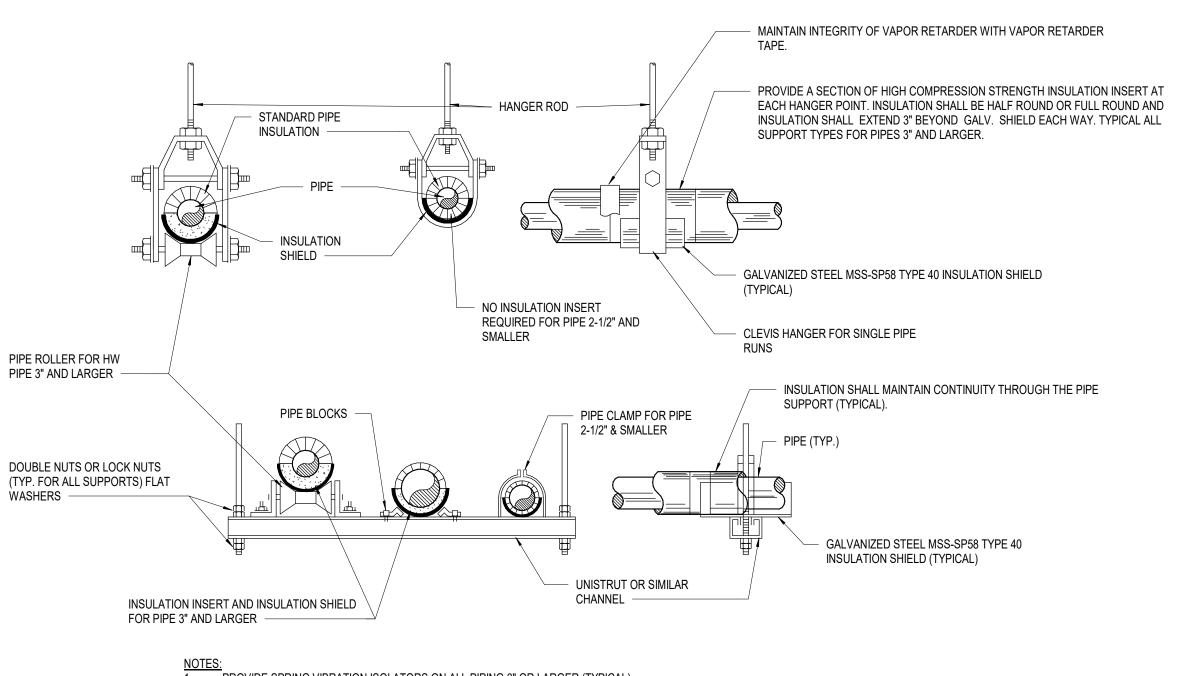
P3.2





DRINK FILTER ELEVATION





PROVIDE SPRING VIBRATION ISOLATORS ON ALL PIPING 3" OR LARGER (TYPICAL). INSULATION INSERT LENGTH SHALL BE 6" LONGER THAN INSULATION SHIELD. INSULATION SYSTEM SHALL MAINTAIN CONTINUITY OF THERMAL INSULATION, VAPOR RETARDER, AND SPECIFIED JACKETING THROUGH

PIPE SUPPORT DETAIL

ALL PIPE SUPPORTS.



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REV	DESCRIPTION	DATE

62-40497-21 Project No.: Client Project No.:

Drawing Title:

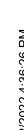
PLUMBING DETAILS

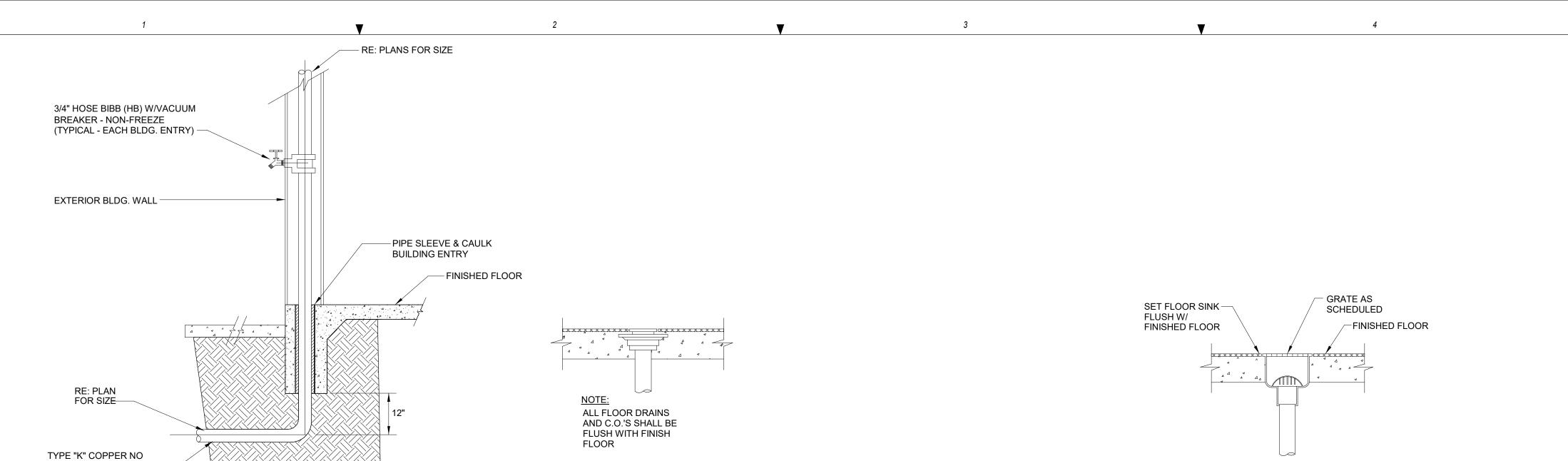
Phase: PERMIT SET Date: 06.29.2022 Designed: JPF Drawing No.: Drawn: JPF

Checked: KFF

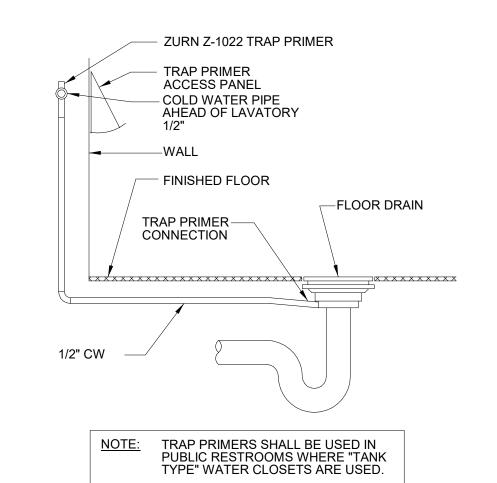
P4.1



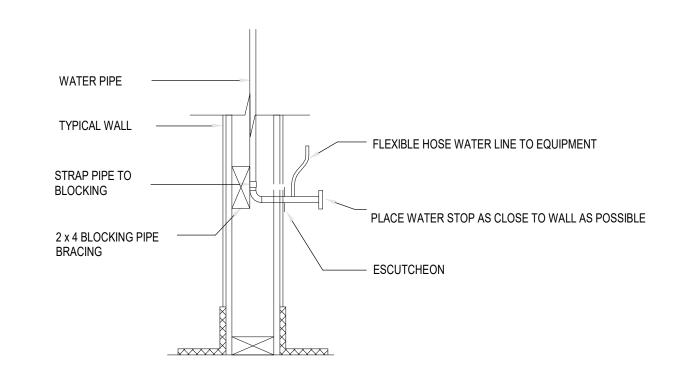








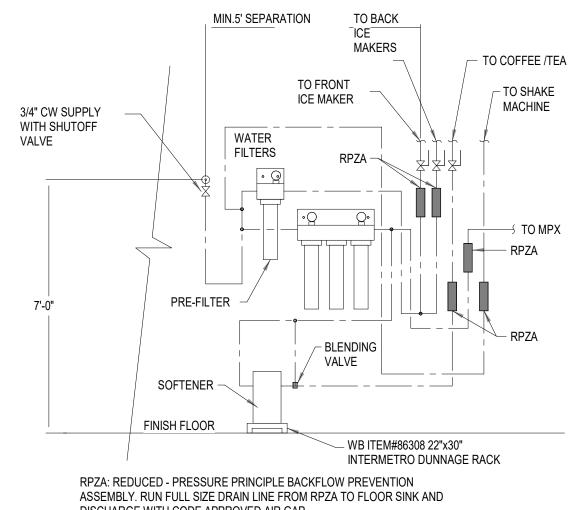
TRAP PRIMER DETAIL



DOMESTIC WATER ENTRY DETAIL

WATER CONNECTION DETAIL

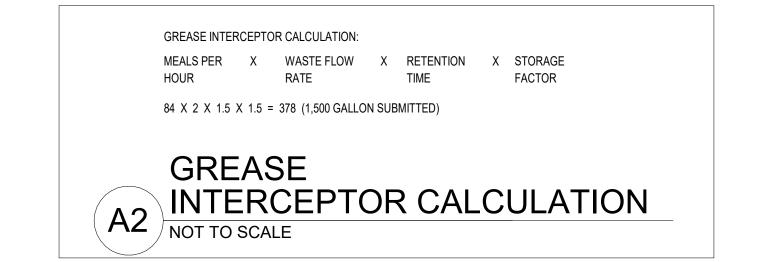
JOINTS BELOW CONCRETE

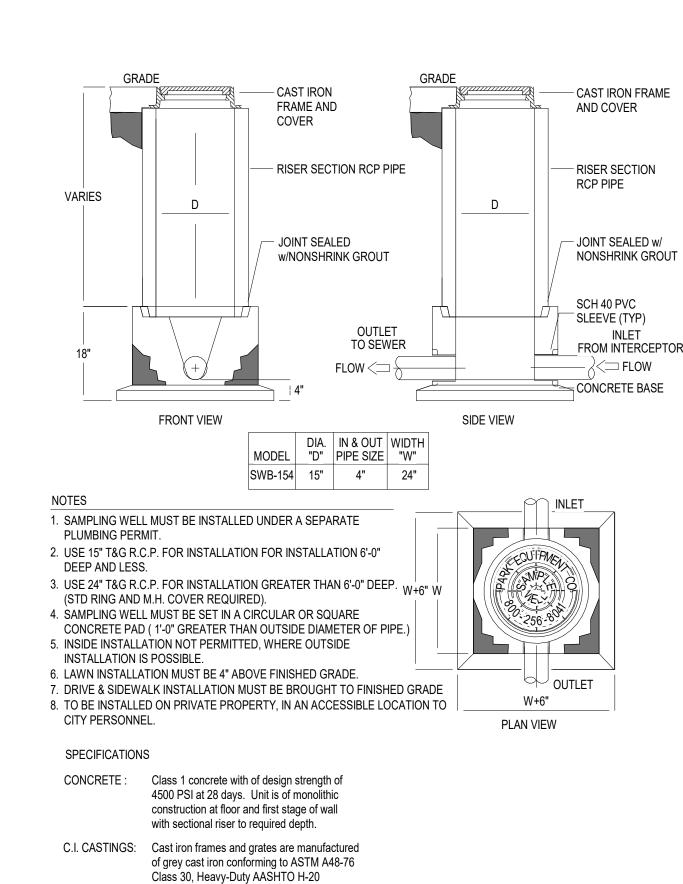


DISCHARGE WITH CODE APPROVED AIR GAP. CONTACT: MARK CROCKER WITH COCA COLA OFFICE: 469-467-8905

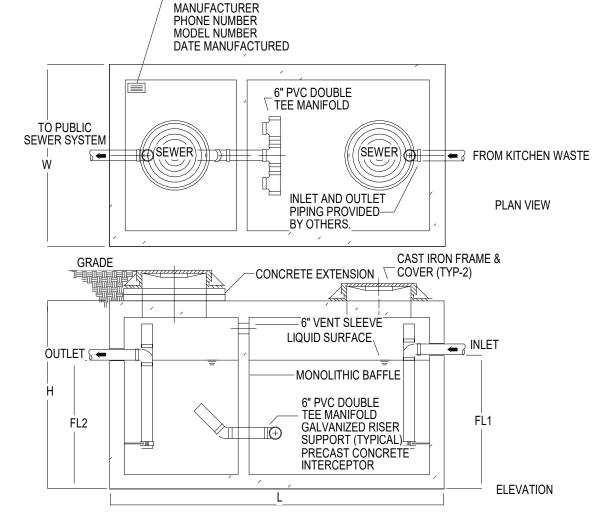
DRINK FILTER ELEVATION NOT TO SCALE

CELL: 214-789-8228





SAMPLE WELL



- NAMEPLATE INDICATING:

GREASE INTERCEPTOR SCHEDULE | MODEL CAPACITY | GREASE | EMPTY | LENGTH | WIDTH | HEIGHT | INLET | OUTLET | NO. USGal CAP. (LBS) WT (LBS) L W H FL1 FL2 GT-1500 1,500 3,500 16,050 9'-2" 5'-8" 7'-0" 5'-9" 5'-6" *REFER TO DETAIL #A2 THIS SHEET FOR SIZE SELECTION

Engineering Data

Specifications CONCRETE: Class 1 concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor, first stage of wall and baffle with sectional riser to required depth. (Monolithic

to ASTM A615 on required centers or equal.

baffle required, slide-in type is not acceptable) REINFORCEMENT: Grade 60 reinforced with steel rebar conforming

C.I. CASTINGS: Manhole frames, covers or grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30. Manhole shall be nominal 24 inch diameter and be traffic duty.

in most cities. Consult with local authorities for specific application requirements. Shop drawings shall include complete structural & buoyancy calculations certified by a licensed professional engineer. Consult with manufacturer for exact excavation dimensions & shipping information.

The grease interceptor shall be structurally & hydraulically engineered to conform to regional plumbing codes recommended

GREASE INTERCEPTOR





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PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/2022

DESCRIPTION	DATE
	DESCRIPTION

Project No.: 62-40497-21 Client Project No.:

Drawing Title: PLUMBING DETAILS

Date: 06.29.2022 Phase: PERMIT SET Designed: JPF Drawing No.: Drawn: JPF Checked: KFF

MARK	SERVICE	LOCATION	TYPE	CAPACITY (GPM)	BOOST PRESSURE, PSI (FT HD)	MOTOR, VOLTAGE/PHASE/HP	MOTOR SPEED (RPM)	MANUFACTURER, MODEL
CP-1	DOMESTIC HW	UTILITY ROOM	IN-LINE	1	2	120/1/0.75	VARIABLE	GRUNDFOS ALPHA 2

WATER HEATER SCHEDULE

MARK	LOCATION	SERVICE	STORAGE (GAL)	RECOVERY RATE @ 80° F RISE (GPH)	OPERATING TEMPERATURE, °F	INPUT (BTU / kW)	POWER VOLTAGE/PHASE	FUEL	MANUFACTURER, MODEL
EWH-1	UTILITY ROOM	DOMESTIC HOT WATER	120	51	140°	10 kW	208 / 3	ELEC	A.O. SMITH DEN 120

EXPANSION '	TANK SC	HEDULE
-------------	---------	--------

MARK	SERVICE	LOCATION	TOTAL TANK VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	MAX. PRESSURE (PSIG)		MANUFACTURER, MODEL	
			(GALLONS)	(GALLONS)	(F 31G)			
ET-1	WATER HEATER	PLUMBING ROOM	8		150	ELBI#DTS-30		

$MIXING\ VALV$	E SCHEDUL	E
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MARK	FLOW (GPM)	LOCATION	DWH TEMP. IN	TEMP OUT (BLEND)	MANUFACTURER, MODEL
TMV-1	0.5-2.2	LAV/SINK	140° F	RE: PLBG FIX SCHD	WATTS #LFMMV-US-M1

PLUMBING FIXTURE SCHEDULE

		CONNECTIONS						
MARK	DESCRIPTION	QUANTITY	WASTE	VENT	TRAP	DCW	DHW	MANUFACTURER, MODEL
WC-1	WATER CLOSET; 1.28 GPF, FLOOR-MOUNT, VITREOUS CHINA WITH EVERCLEAN SURFACE, PRESSURE-ASSISTED FLUSH TANK WITH LOCKING COVER.	1	4"	2"	INTEGRAL	1-1/4"	-	AMERICAN STANDARD
WC-1A	WATER CLOSET (ADA); 1.28 GPF, FLOOR-MOUNT, VITREOUS CHINA WITH EVERCLEAN SURFACE, PRESSURE-ASSISTED FLUSH TANK WITH LOCKING COVER.	2	4"	2"	INTEGRAL	1-1/4"	-	AMERICAN STANDARD
U-1A	URINAL; 0.125 GPF, WALL-HUNG, VITREOUS CHINA WITH EVERCLEAN SURFACE, EXPOSED, BATTERY POWERED ELECTRONIC SENSOR DIAPHRAGM FLUSH VALVE	1	2"	1-1/2"	INTEGRAL	3/4"	-	AMERICAN STANDARD "PINTBROOK" #6002.001, 6063.013,002
L-1A	LAVATORY; WALL-MOUNTED, VITREOUS CHINA, METERED, 1.5 GPM @ 10 SEC. CYCLE = 0.25 GAL/CYCLE, HARD-WIRED ELECTRONIC SENSOR FAUCET, WITH ASSE-1070 MIXING VALVE	2	2"	1-1/2"	1-1/4"	3/4"	3/4"	AMERICAN STANDARD "LUCERNE" #0356.028, "INNSBROOK" #605B.202 #605XTMV1070 MIXING VALVE OPTION
MS-1	MOP SINK; FLOOR-MOUNTED, 36"x36"x12" TERRAZO MOP SINK WITH FRONT DROP AND RIM GUARD, WALL SHIELDS, SPRING-LOADED MOP HANGER AND HOSE WALL HOOP	1	3"	2"	3"	3/4"	3/4"	STERN WILLIAMS "HILOW" #2000, T-10-VB, T-35, T-40-BP
IMB-1	ICE MAKER BOX; WHITE POWDER COATED GALVANIZED STEEL WITH QUARTER TURN VALVE AND MINI ARRESTER.	-	-	-	-	3/4"	-	GUY GREY #MIB1HAAB
IMB-2	ICE MAKER BOX; WHITE POWDER COATED GALVANIZED STEEL WITH QUARTER TURN VALVE AND MINI ARRESTER. COORDINATE FINAL LOCATION WITH ARCHITECT. PROVIDE DUAL CHECK VALVE (BFP-3) IN-LINE FOR CONNECTION TO COFFEE MAKER.	-	-	-	-	3/4"	-	GUY GREY #MIB1HAAB, WATTS #SD2
SK-1	HAND SINK; STAINLESS STEEL, PROVIDE WITH TMV-1 SET TO 105°F	4	2"	1-1/2"	1-1/4"	3/4"	3/4"	SINK SUPPLIED BY KITCHEN EQUIPMENT MANUFACTURER, T&S BRASS #B-1115 FAUCET SUPPLIED BY PLUMBER.
SK-2	1 COMPARTMENT SINK; STAINLESS STEEL, PROVIDE WITH TMV-1 SET TO 110°F	1	3"	2"	-	3/4"	3/4"	SINK SUPPLIED BY KITCHEN EQUIPMENT MANUFACTURER, T&S BRASS #B-023-CR FAUCET SUPPLIED BY WHATABURGER
SK-3	3 COMPARTMENT SINK; STAINLESS STEEL, PROVIDE WITH TMV-1 SET TO 110°F	1	3"	2"		3/4"	3/4"	SINK SUPPLIED BY KITCHEN EQUIPMENT MANUFACTURER, T&S BRASS #B-0156-CR FAUCET SUPPLIED BY WHATABURGER
WF-1	WALL MOUNTED FAUCET WITH 12" SWING SPOUT OUTLET, 8" CENTERS, CAST BRASS. PROVIDE WITH LEVER HANDLES (FOR SHAKE MACHINE)	1	-	-	-	1/2"	1/2"	T&S BRASS #B-0231-CR FAUCET WITH OOJJ STOPS SUPPLIED BY PLUMBER

GENERAL NOTES (PLUMBING FIXTURE SCHEDULE):

1. PLUMBER IS REQUIRED TO REGISTER ATTACHED WARRANTY REGISTRATION CARD FOLLOWING INSTALLATION CHECKOUT.

2. PLUMBER IS REQUIRED TO CONNECT TO ALL DRAINS SERVING KITCHEN EQUIPMENT AND EXTEND THEM TO THE FLOOR SINKS.

3. FURNISH AND INSTALL WATTS SERIES 8 VACUUM BREAKER ON ALL THREADED FAUCETS AND HOSE BIBBS SERVING CLEANING AND UTILITY USES.

FLOOR DRAIN/SINK SCHEDULE

MARK	DESCRIPTION	SERVICE	GRATE DIMENSION	OUTLET DIAMETER	MANUFACTURER, MODEL
FD-1	FLOOR DRAIN; COATED CAST-IRON BODY WITH BOTTOM OUTLET, CLAMPING COLLAR, ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, TRAP PRIMER	RESTROOMS,	6x6"	*	ZURN
	CONNECTION, AND POLISHED NICKEL-BRONZE, SQUARE HEEL-PROOF, HEAVY-DUTY GRATE.	GEN. SERVICE			ZN-415S-HD-P
FS-1	FLOOR SINK; 6" DEEP CAST-IRON BODY, MEDIUM-DUTY SLOTTED 1/2 GRATE, ANCHOR FLANGE, SEEPAGE HOLES, CLAMPING COLLAR,	KITCHEN,	8x8"	*	ZURN
	ANTI-SPLASH DOME STRAINER; WHITE ACID RESISTING PORCELAIN ENAMEL FINISH ON INTERIOR, GRATE, STRAINER, AND BUCKET.	EQUIPMENT			Z-1910-KC-2-25-33
FS-2	FLOOR SINK; ACID-RESISTANT EPOXY COATED CAST-IRON BODY WITH BOTTOM OUTLET, ANCHOR FLANGE, SECONDARY DOME STRAINER, TRAP SEAL PRIMER TAPPING, AND 1/2 TRACTOR GRATE.	WATER SOFTENER, CONDENSATE	12x12"	*	MIFAB F1480-7-11-20-FL-150

GENERAL NOTES (FLOOR DRAIN/SINK SCHEDULE):

1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

2. ALL FLOOR DRAINS SHALL INCLUDE AN ANCHORING FLANGE AND PRIMER TAP.

3. INSULATE BODY, TAILPIECE AND P-TRAP OF ALL FLOOR DRAINS SERVING HVAC EQUIPMENT.

4. PROVIDE BARRIER TYPE TRAP SEAL PROTECTION EQUAL TO SURESEAL ON ALL FLOOR DRAINS/SINKS.

* REFER TO FLOOR PLAN FOR PIPE SIZE.

HYDRANT / HOSE BIBB SCHEDULE

MARK	DESCRIPTION	MANUFACTURER, MODEL
WH-1	WALL HYDRANT; NON-FREEZE ENCLOSED TYPE WITH FACEPLATE, AUTOMATIC DRAINING, ANTI-SIPHON VACUUM	WOODFORD
	BREAKER, 3/4" THREADED INLETS, AND LOOSE TEE OPERATING KEY.	B65-CH
RH-1	ROOF HYDRANT; NON-FREEZE PEDESTAL TYPE, AUTOMATIC DRAINING, ANTI-SIPHON VACUUM	WOODFORD
	BREAKER, 3/4" THREADED INLETS, AND LOOSE TEE OPERATING KEY.	RHY2-MS
HB-1	HOSE BIBB; ENCLOSED TYPE, POLISHED CHROME FINISH, ANTI-SIPHON, VACUUM BREAKER, LOOSE TEE KEY,	WOODFORD
	METAL WHEEL HANDLE, 3/4" INLET.	B24P-PC

BACKFLOW PREVENTER SCHEDULE

MARK	DESCRIPTION	SIZE	LOCATION/SERVICE	MANUFACTURER, MODEL
BFP-1	DUAL CHECK VALVE BACKFLOW PREVENTER WITH VACUUM BREAKER, RELIEF VENT, AND Y-STRAINER	1/2"	ICE MAKERS	WATTS #007
BFP-2	DUAL CHECK VALVE BACKFLOW PREVENTER	1/2"	COFFEE MAKERS	WATTS #SD2



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	REV	DESCRIPTION	DATE

Project No.: 62-40497-21

Client Project No.:

Date: 06.29.2022 Phase: PERMIT SET Designed: JPF Drawing No.:

PLUMBING SCHEDULES

Drawn: JPF Checked: KFF

SIDEWALL REGISTER TAP WITH DAMPER

MECHANICAL SYMBOLS

IRON PIPE SIZE

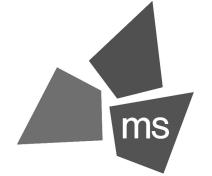
KITCHEN HOOD

KILOWATT

KW

THERMAL CONDUCTIVITY

(SOME SYMBOLS MAY NOT BE USED ON THE DRAWINGS)



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REV	DESCRIPTION	DATE

62-40497-21 Project No.: Client Project No.:

Drawing Title:

GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

06.29.2022 PERMIT SET Date: Phase: Designed: JPF Drawing No.: Drawn: JPF Checked: KFF

- 1 ELECTRIC UNIT HEATER. RE:B2/M5.2.
- 2 SUPPLY AIR DIFFUSER (TYP.), RE: B2/M5.1. 3 SUPPLY AIR SLOT DIFFUSER, RE: A3/M5.1.
- 4 2'X2' LOCKABLE ACCESS DOOR IN HARD CEILING FOR ACCESS TO BATHROOM EXHAUST DAMPERS.
- 5 CONNECT KITCHEN EXHAUST HOOD ABOVE FRYER UP TO KEF-2 WITH 12" DIA. PRE-FABRICATED UL 1978 LISTED AND LABELED GREASE DUCT. PROVIDE TRANSITIONS AS REQUIRED.
- 6 CONNECT KITCHEN EXHAUST HOOD ABOVE GRILLS UP TO KEF-1 WITH 16" DIA. PRE-FABRICATED UL 1978 LISTED AND LABELED GREASE DUCT. PROVIDE TRANSITIONS AS REQUIRED.

DRIVE THRU AREA #1 116

TO RTU-1

FREEZER 115

COOLER 114

112

DRY STORAGE

- 7 EMERSON SITE SUPERVISOR DISPLAY AND CONTROLLER PANEL. RECESSED MOUNTED IN WALL.
- 8 2" CONDENSATE DRAIN DOWN WALL. DISCHARGE INTO FLOOR SINK.
- 9 2" CONDENSATE DRAIN PIPING DOWN FROM ROOF.
- 11 32/39 SUPPLY DUCT UP TO RTU-1.

20"/ 28"

8"\8"

10"ø

10"ø

12"ø

110

H10 500

- 12 25/36 SUPPLY DUCT UP TO RTU-2/RTU-3. 13 45/14 RETURN DUCT UP TO RTU-2/RTU-3.
- 10 50/20 RETURN DUCT UP TO RTU-1.

- **GENERAL NOTES**
- A. REFER TO M0.1 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
- SMOKE DETECTORS SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR AND INSTALLED IN THE SUPPLY AND RETURN SIDES OF RTU. COORDINATE WIRING FOR SHUTDOWN WITH ELECTRICAL SCOPE. MOUNT SMOKE DETECTORS IN ACCESSIBLE LOCATIONS. REFERENCE M6.1 FOR RTU SCHEDULE. ACTIVATION OF SMOKE DETECTORS SHALL SHUT DOWN RTU AND ACTIVATE THE AUDIBLE AND VISUAL SIGNAL PROVIDED.
- THE EMERSON SITE SUPERVISOR DISPLAY AND CONTROLLER PANEL SHALL BE MOUNTED AND INSTALLED FLUSH IN THE MANAGER'S OFFICE AT 5' AFF TO CENTER.
- D. PER IECC 2018, PARAGRAPH C408.2.1, A THIRD PARTY SHALL BE HIRED BY THE OWNER AS PART OF THIS PROJECT TO PROVIDE/PERFORM THE FOLLOWING ITEMS:
 - A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING, INCLUDING THE PERSONNEL INTENDED TO ACCOMPLISH EACH OF THE ACTIVITES.
 - A LISTING OF THE SPECIFIC EQUIPMENT, APPLIANCES OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED.
- FUNCTIONS TO BE TESTED INCLUDING, BUT NOT LIMITED TO, CALIBRATIONS AND ECONOMIZER
- CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED. TESTING SHALL AFFIRM WINTER AND SUMMER DESIGN CONDITIONS AND FULL OUTSIDE AIR CONDITIONS.
- MEASURABLE CRITERIA FOR PERFORMANCE.
- KITCHEN HOODS, ANSUL FIRE SUPPRESSION SYSTEM AND HOOD CONTROLS SHALL BE OWNER-FURNISHED AND CONTRACTOR-INSTALLED.



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REV	DESCRIPTION	DATE

Project No.: 62-40497-21 Client Project No.:

Drawing Title:

MECHANICAL FLOOR PLAN

Date: 06.29.2022 Drawing No.:

Designed: JPF Drawn: JPF

Checked: KFF



MECHANICAL FLOOR PLAN - LEVEL 1 1/4" = 1'-0"

P3 285

(TYP. 7)

(TYP. 2)

22"/ 14"

DINING ROOM

(A4) 325

10"ø

TO RTU-2

SERVING AREA

(D)

(B.5)

P3 250



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Project No.: 62-40497-21

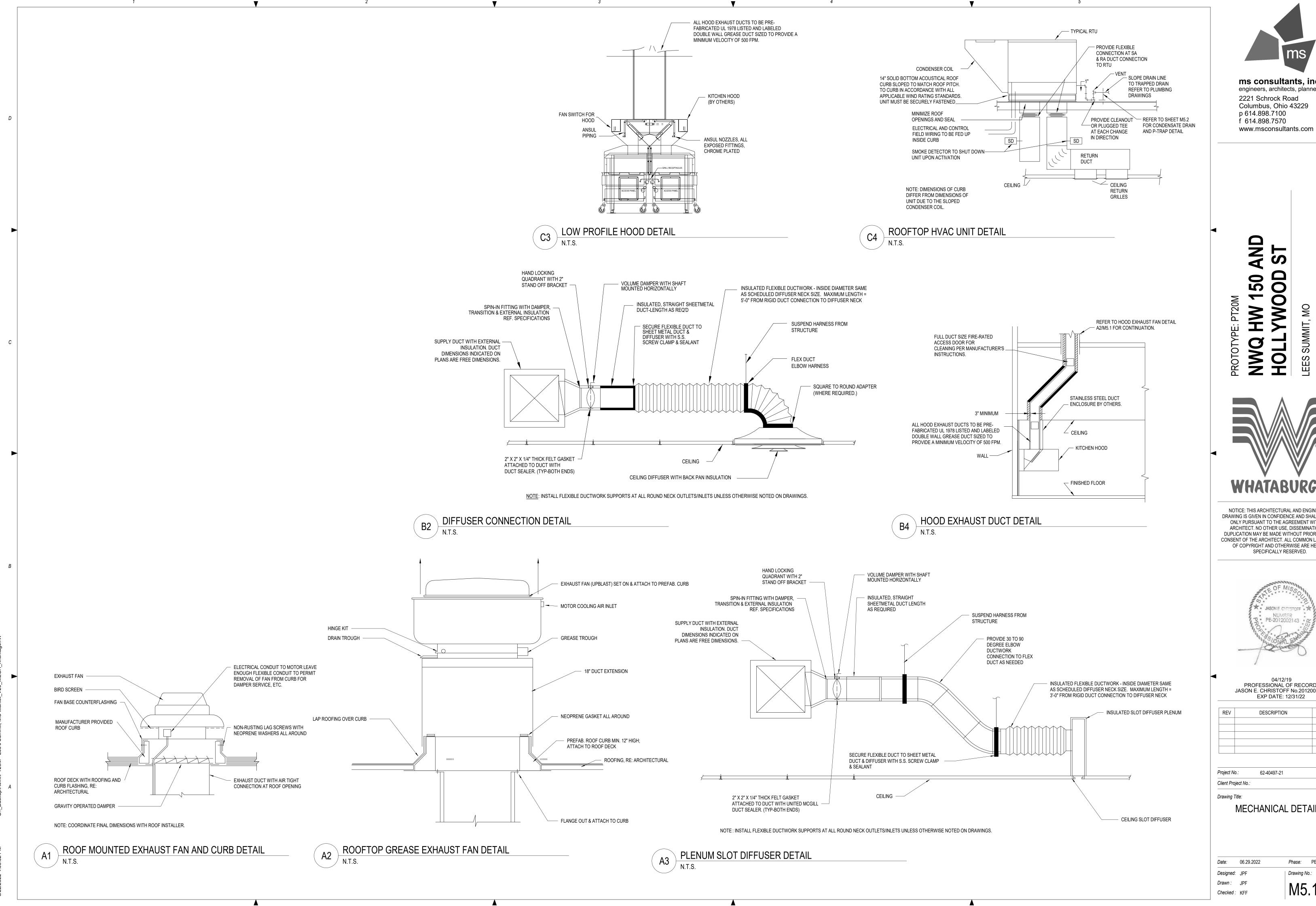
Client Project No.:

Drawing Title:

MECHANICAL ROOF PLAN

Date: 06.29.2022

Designed: JPF Drawn: JPF



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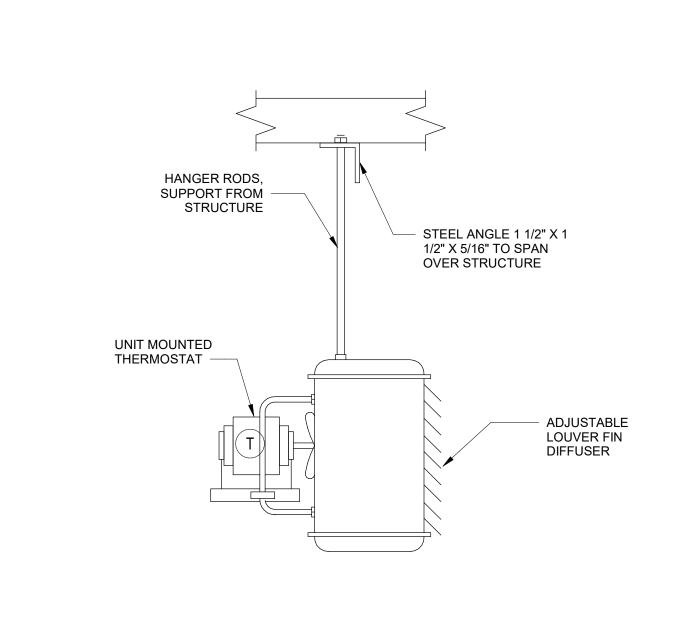


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REV	DESCRIPTION	DATE

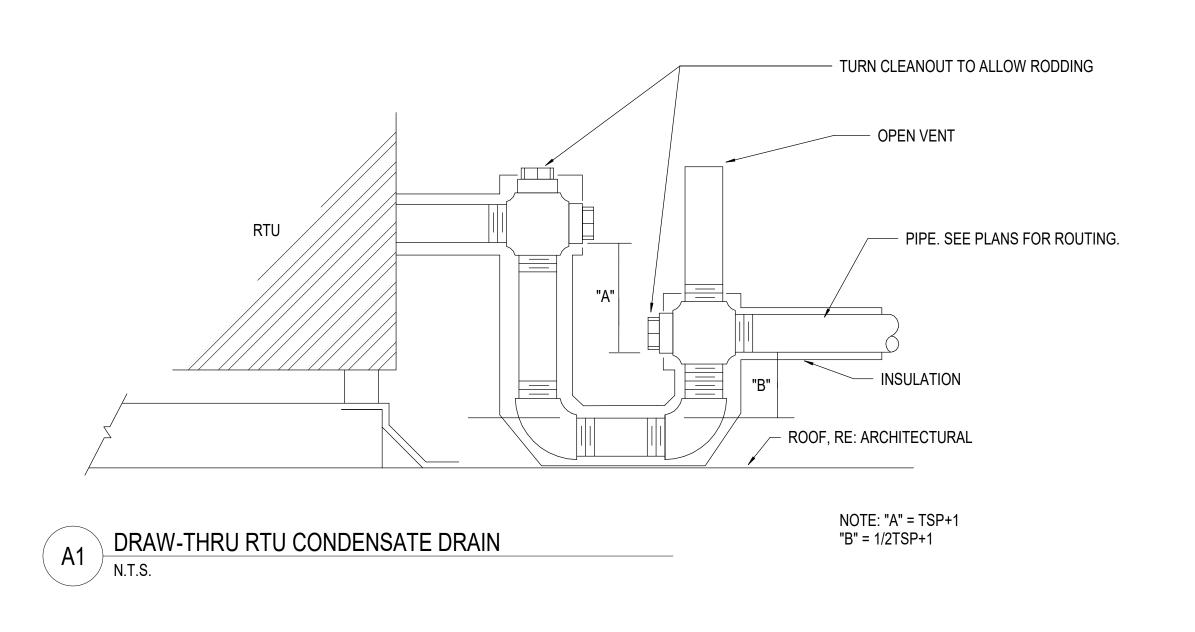
MECHANICAL DETAILS

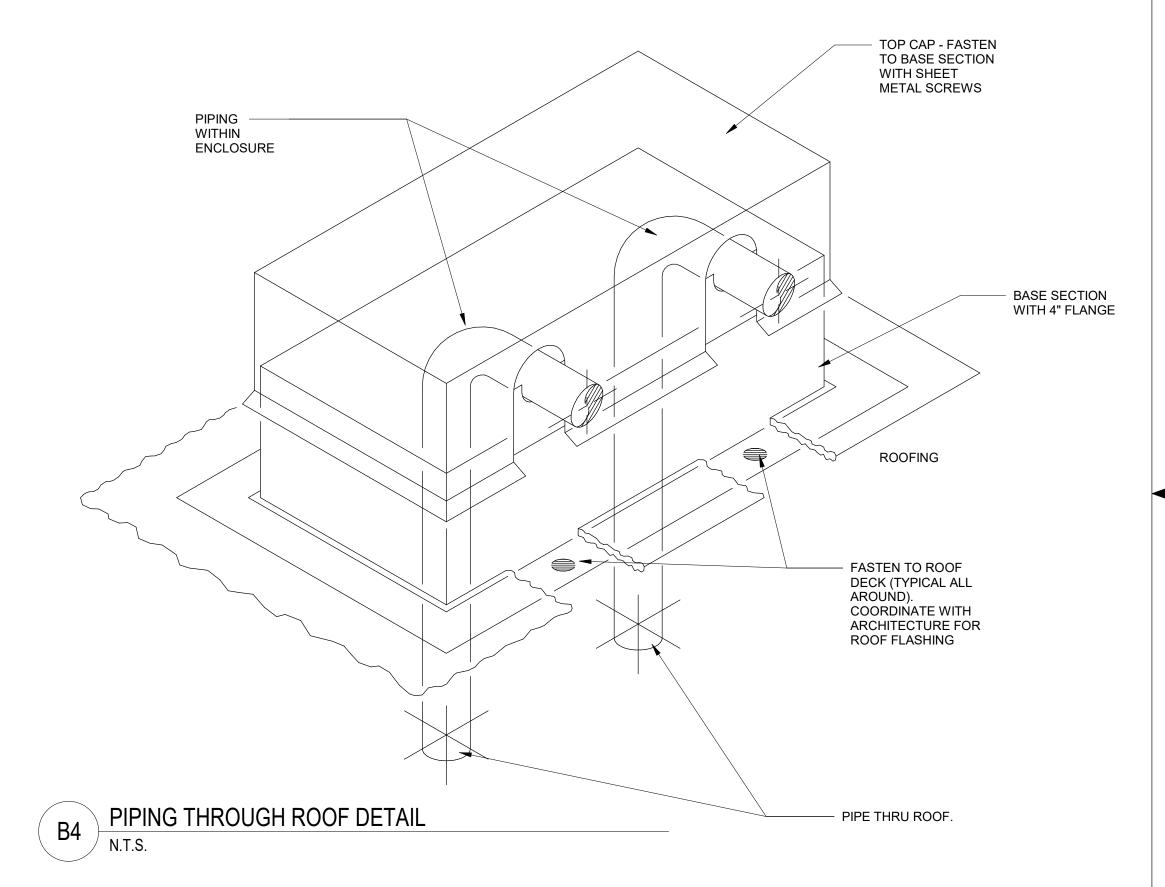
Phase: PERMIT SET Drawing No.:

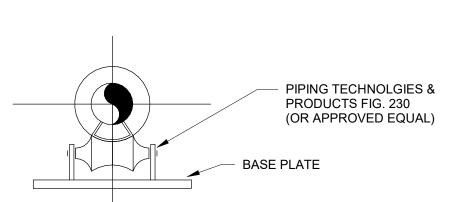


ELECTRIC UNIT HEATER

N.T.S.







PIPE SUPPORT ROLLER STAND
N.T.S.



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01/16/20 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

REV	DESCRIPTION	DATE

62-40497-21 Project No.: Client Project No.:

Drawing Title: MECHANICAL DETAILS

Date:	06.29.2022	Phase:	PERMIT S
Designed:	JPF	Drawing No). <i>.</i> :
Drawn :	JPF	N 1 5	^

Checked: KFF

M5.2

											177			DOLL														
									FAN					CC	OOLING					HEATING								
Mark	SERVES	MANUFACTURER	MODEL	REFRIGERANT	AIR FLOW	AIR FLOW VENTILATION	MOTOR HP	QUANTITY FANS	DRIVE TYPE	RPM	ESP (IN W.C.)	TSP (IN W.C.)	TOTAL CAPACITY (MBH)	CAPACITY SENSIBLE (MBH)	EAT DB	EAT WB	LAT DB	LAT WB	TOTAL CAPACITY (BTU/HR)	EAT (°F)	MAX LAT (°F)	EER	VOLTAGE	PHASE	MCA	MOCP	WEIGHT (LB)	NOTES
RTU-1	KITCHEN	Aaon, Inc.	RN-020-8-0-BB02-169	R-410A	6000	1500	5	1	DIRECT	1170	1.00	1.75	224	159	77.4	64.4	51.9	50.9	205.1	53.6	86.7	12.2	208	3	188	225	2747	1,2,3,4,5,6,7,8,9,10,11,12
RTU-2	DINING	Aaon, Inc.	RN-013-8-0-BB02-139	R-410A	4000	1300	3	1	DIRECT	1760	1.00	1.60	153	103	77.7	65.5	52.9	52.0	154.0	48.7	85.9	12.3	208	3	170	175	1896	1,2,3,4,5,6,7,8,9,10,11,12
RTU-3	DINING	Aaon, Inc.	RN-013-8-0-BB02-139	R-410A	4000	1300	3	1	DIRECT	1760	1.00	1.60	153	103	77.7	65.5	52.9	52.0	154.0	48.7	85.9	12.3	208	3	170	175	1896	1,2,3,4,5,6,7,8,9,10,11,12

PROVIDE WITH PREMIUM EFFICIENCY MOTORS IN ACCORDANCE WITH NEMA MG-1.
PROVIDE WITH SUPPLY AND RETURN SMOKE DETECTORS TO SHUT DOWN UNIT UPON SMOKE DETECTION.
PROVIDE WITHOUT CONTROLS.
SIZE AND SELECT ROOFTOP UNITS BASED ON 0.4% DEHUMIDIFICATION DESIGN DAY CONDITIONS OF 82.0°F DB, 75.6°F DEWPOINT.
PROVIDE HOT GAS REHEAT.

PROVIDE NOT GAS REHEAT.

PROVIDE CONSTANT VOLUME PACKAGE.

PROVIDE MODULATING OUTSIDE AIR DAMPER.

PROVIDE ULTRA LOW LEAKAGE ECONOMIZER WITH BAROMETRIC RELIEF DAMPER, AND FAULT DETECTION AND DIAGNOSTIC.

PROVIDE FACTORY MOUNTED AND WIRED CONDENSATE OVERFLOW SWITCH.

PROVIDE FACTORY INTERNAL UNIT DISCONNECT.

PROVIDE GFCI CONVENIENCE OUTLET. 12. PROVIDE HAIL GUARDS.

				E	XHAUS	ST FA	N SCH	EDUL	.E				
TAG	TYPE	MANUFACTURER	MODEL	AIR FLOW	TSP (IN W.C.)	RPM	BHP	HP	DRIVE TYPE	VOLTAGE	PHASE	WEIGHT (LBS.)	NOTES
EF-1	ROOF-MOUNTED CENTRIFUGAL DOWNBLAST	GREENHECK	G-095-D	300 CFM	0.50	1550	0.05	0.13	DIRECT	120	1	28	1,2
KEF-1	ROOF-MOUNTED CENTRIFUGAL UPBLAST	GREENHECK	CUBE-161HP-10	1913 CFM	0.75	1351	0.57	1.00	BELT	208	1	76	2,3,4,6
KEE-2	POOE-MOUNTED CENTRIFUGAL LIDRI AST	CREENHECK	CLIRE_121	1216 CEM	0.75	1/111	0.30	0.50	RELT	208	1	64	2356

NOTES:
1. PROVIDE INSULATED 12" ROOF CURB.
2. PROVIDE WITH INTEGRAL DISCONNECT SWITCH.

3. PROVIDE GREASE BOX.

4. PROVIDE INSULATED AND VENTED 26" SQUARE ROOF CURB.

5. PROVIDE INSULATED AND VENTED 22" SQUARE ROOF CURB.

6. PROVIDE HINGED ACCESS KIT.

				AIF	R DEV	ICE SCH	IEDUL	.E				
TAG	MANUFACTURER	MODEL	FACE SIZE	NECK SIZE (IN.)	MAX NC	PATTERN	MOUNTING	SLOT LENGTH	SLOT WIDTH	SLOT QTY	SYSTEM CLASSIFICATION	COMMENTS
A3	TITUS	TMS	24 X 24	6	30	4-WAY	LAY-IN	-	-	-	SUPPLY AIR	1
A4	TITUS	TMS	24 X 24	8	30	4-WAY	LAY-IN	-	-	-	SUPPLY AIR	1
A5	TITUS	TMS	24 X 24	10	30	4-WAY	LAY-IN	-	-	-	SUPPLY AIR	1
A6	TITUS	TMS	24 X 24	12	30	4-WAY	LAY-IN	-	-	-	SUPPLY AIR	1
В3	TITUS	TMS	24 X 24	6	30	4-WAY	FLANGE	-	-	-	SUPPLY AIR	1,2
C8	TITUS	50F	24 X 24	18 X 18	30	4-WAY	LAY-IN	-	-	-	RETURN AIR	
F1	TITUS	50F	12 X 12	6 X 6	30	4-WAY	FLANGE	-	-	-	EXHAUST AIR	2
H1	TITUS	TBDI-30	24 X 3-1/2	12	30	2-WAY	FLANGE	48	3/4	2	SUPPLY AIR	3
H10	TITUS	TBDI-80	60 X 7-1/2	12	30	2-WAY	FLANGE	60	1-1/2	3	SUPPLY AIR	3
L1	TITUS	FL-15-JT	SEE PLANS		30	1-WAY	FLANGE	CONTINUOUS	1-1/2	1		4
P1	TITUS	FBPI	48 X 3-1/2	8	30	-	FLANGE	60	-	-	SUPPLY AIR	3
P3	TITUS	FBPI	60 X 3-1/2	8	30	-	FLANGE	60	-	-	SUPPLY AIR	3

1. PROVIDE BACKPAN INSULATION.

2. PROVIDE PLASTER FRAME FOR MOUNTING IN GYP. CEILING.

4. CONTINUOUS LINEAR SLOT DIFFUSER TO BE INSTALLED IN GYP. CEILING. PROVIDE INSULATED SUPPLY AIR PLENUMS AS SCHEDULED FOR A COMPLETE SYSTEM.

	ELEC1	TRIC UN	IT HEATER	SCHED	ULE	
TAG	MANUFACTURER	MODEL	HEATING TOTAL CAPACITY (BTU/HR.)	VOLTAGE	PHASE	WEIGHT (LB.)
UH-1	REZNOR	EGW	5118	208 V	1	20

AIR BALANCE AND VENTILATION CALCULATION:

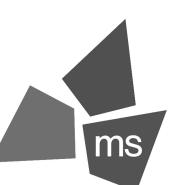
TOTAL OUTSIDE AIR INTAKE = 4100 CFM

TOTAL GREASE HOOD EXHAUST = 3129 CFM TOTAL RESTROOM EXHAUST = 300 CFM

OUTSIDE AIRFLOW - (GREASE HOOD EXHAUST AIRFLOW + RESTROOM EXHAUST AIRFLOW) = NET POSITIVE AIRFLOW

4100 CFM - (3129 + 300) = 671 CFM

ASHRAE 62.1 VENTILATION AIRFLOW REQUIRED = 1442 CFM IMC 2018 VENTILATION AIRFLOW REQUIRED = 1442 CFM



ms consultants, inc. engineers, architects, planners 2221 Schrock Road Columbus, Ohio 43229

p 614.898.7100 f 614.898.7570 www.msconsultants.com



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04/12/19 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

REV	DESCRIPTION	DATE

Project No.: 62-40497-21

Client Project No.:

MECHANICAL SCHEDULES

PERMIT SET Date: 06.29.2022 Designed: JPF Drawing No.:

Drawn: JPF

Checked: KFF



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SUPPLY AIR



PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

REV	DESCRIPTION	DATE

62-40497-21 Project No.: Client Project No.:

Drawing Title:

MECHANICAL CONTROLS

Phase: PERMIT SET

Designed: JPF Drawing No.:

Drawn: JPF Checked: KFF

Date: 06.29.2022

PACKAGED ROOFTOP UNIT CONTROLS DIAGRAM

CONDITION OR DEHUMIDIFY THE SPACE AS NEEDED.

BASED ON THE RTU INTERNAL CONTROLS, THE RDC SHALL VARY THE OUTSIDE AIR DAMPER

POSTION, BASED ON CALL FOR COOLING IN THE SPACE. THERE SHALL BE ONE FAN SPEED. THE

RDC SHALL LOAD AND UNLOAD COMPRESSORS BASED ON THE UNIT INTERNAL CONTROLS TO

STARTER

ANY TROUBLE ALARM OR FAULT WITHIN THE UNIT ONBOARD CONTROLS WILL GENERATE A

GENERAL ALARM TO THE BMS.

F1 TYPICAL LUMINAIRE DESIGNATIONS		TYPICAL RECEPTACLE CIRCUIT DESIGNATION	AV	RECESSED WALL BOX WITH AUDIO/VISUAL / DATA / POWER RECEPTACLES.	$\langle \leftarrow \Box \rightarrow \rangle$	DRAWOUT CIRCUIT BREAKER OVER 600V		- X-	THERMAL OVERLOADS	
(F1) INDICATES LUMINAIRE TYPE. REFER TO LUMINAIRE a RP5-7 SCHEDULE FOR DESCRIPTION. (RP5) INDICATES PANEL DESIGNATION, (7) INDICATES CIRCUIT BREAKER NUMBER.	⊕ RP5:7	(RP5) INDICATES PANEL DESIGNATION, (7) INDICATES CIRCUIT BREAKER NUMBER. PROVIDE 20A/1P AND 2#12 FOR EACH CIRCUIT NUMBER & 1#12G, IN 3/4 " CONDUIT,		RECESSED FLOOR BOX WITH POWER AND COMMUNICATION RECEPTACLES.	$\langle \leftarrow \frown \rangle$	DRAWOUT CIRCUIT BREAKER	-		KEY INTERLOCK	
(a) INDICATES SWITCHING CIRCUIT ID.	14.5.7	UNLESS OTHERWISE NOTED OR SCHEDULED.	₩ ₩ AV	RECESSED FLOOR BOX WITH POWER, COMMUNICATION AND AUDIO/VISUAL RECEPTACLES.	$\langle\langle\Box\Box\rangle\rangle$	DRAWOUT FUSES	>		ELECTRIC INTERLOCK	
2'x2' LUMINAIRE	+	DUPLEX RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R		HARD-WIRED CONNECTION		CIRCUIT BREAKER		SPD	SURGE PROTECTION DEVICE	
WALL MOUNTED LUMINIAIDE	uc	UNDER COUNTER, DUPLEX RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R		JUNCTION BOX; WHIP TO BE HARDWIRED TO FURNITURE WIRING SYSTEM		FUSED DISCONNECT SWITCH		(AM)	AMMETER	
WALL MOUNTED LUMINAIRE	GFCI	DUPLEX RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R, (GROUND FAULT CIRCUIT INTERRUPTER)		PANELBOARD		DISCONNECT SWITCH		AS	AMMETER SWITCH	-
	GFCI WP ⊕	DUPLEX RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R, (GROUND FAULT CIRCUIT INTERRUPTER WITH IN USE COVER)		DISTRIBUTION/POWER PANEL	$\langle \leftarrow \Box \rightarrow \rangle$	FUSED DRAWOUT CIRCUIT BREAKER		(VM)	VOLTMETER	
CEILING MOUNTED LUMINAIRE	0	SINGLE RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R	\bigcirc	MOTOR CONNECTION		FUSE		VS	VOLTMETER SWITCH	
ф ————————————————————————————————————		SINGLE RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-15R	\$	SINGLE POLE SWITCH, 20A, 120-277VAC	\dashv	CONTACT		(WM)	WATTMETER	
INDUSTRIAL TYPE LUMINAIRE	+	QUADRAPLEX RECEPTACLE, 125V, 20A, 2P, 3W NEMA 5-20R	\$ _X	"X" REFER TO SWITCH NOTES	(50N 51N	RELAY SEE RELAY SCHEDULE ON COVER SHEET 2.		(KWH)	KILOWATT-HOUR METER WITH 15 MIN. DEMAND REGISTER	
PENDANT MOUNTED LUMINAIRE	UC	UNDER COUNTER, ISOLATED GROUND RECEPTACLE, 125V, 20A, 2P, 3W, NEMA 5-20R		DISCONNECT SWITCH		POWER TRANSFORMER WITH VOLTAGES AS INDICATED		KVH	KILOVAR HOUR METER	
	*	DUPLEX RECEPTACLE, MOUNTED 6" (0.15m) ABOVE COUNTER OR BACKSPLASH,125V, 20A, 2P, 3W, NEMA 5-20R		FUSED DISCONNECT SWITCH	<u> </u>	SHIELDED K RATED POWER TRANSFORMER WITH VOLTAGES AS INDICATED		PF	POWER FACTOR METER	
LUMINAIRE POWERED BY EMERGENCY SOURCE (TYPICAL)	FPD ⊕	DUPLEX RECEPTACLE, MOUNTED FOR FLAT PANEL DISPLAY; MOUNT AT APPROXIMATELY 66"; COORDINATE EXACT HEIGHT DISPLAY		COMBINATION MAGNETIC MOTOR STARTER	$\langle \leftarrow \stackrel{\mathtt{Ol}}{\longrightarrow} \rangle$	DRAWOUT CIRCUIT BREAKER, ELECTRIC OPERATED.		ТВ	TERMINAL BLOCK	
	⊗-	SPECIAL PURPOSE RECEPTACLE, COORDINATE NEMA CONFIGURATION WITH EQUPMENT	СВ	ENCLOSED CIRCUIT BREAKER		CIRCUIT BREAKER, ELECTRIC OPERATED.		CS	CONTROL SWITCH	
LUMINAIRE, POLE MOUNTED	0	CEILING MOUNTED DUPLEX RECEPTACLE, 120V, 20A, 2P, 3W, NEMA 5-20R	VFD	VARIABLE FREQUENCY DRIVE	E0			M	MULTIFUNCTION METER AS SPECIFIED.	
C LUMINAIRE, BALLARD	PRJ⊖	CEILING MOUNTED DUPLEX RECEPTACLE, 120V, 20A, FOR PROJECTOR. COORDINATE WITH EQUPMENT	8	EMERGENCY POWER OFF		FUSED DISCONNECT SWITCH, ELECTRIC OPERATED.		=	BATTERY	
☐ LUMINAIRE, FLOOD LIGHT		BENCH TOP PEDESTAL OUTLET, SINGLE FACE, RECEPTACLE TYPE AS INDICATED	T1	TRANSFORMER, (SEE TRANSFORMER SCHEDULE ON COVER SHEET 2)		OURDENIT TRANSFORMED QUANTITY AND DATIO		A	FEEDER CONNECTION REFERENCE	
WALL MOUNTED EXIT SIGN, SHADED AREAS INDICATE NUMBER OF FACES,	0-0-0	BENCH TOP PEDESTAL OUTLET, DOUBLE FACE, RECEPTACLE TYPE AS INDICATED	•	ONE PUSHBUTTON STATION	400/5	CURRENT TRANSFORMER, QUANTITY AND RATIO AS INDICATED.			COMMUNICATION SYMBOLS	
DIRECTION ARROWS AS INDICATED CEILING MTD. EXIT SIGN, SHADED AREAS INDICATE NUMBER OF FACES,	P	FLUSH POKE-THROUGH FOR POWER FEEDS. POWER FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.	•	START STOP PUSHBUTTON	50/5	GROUND CURRENT, ZERO SEQUENCE TYPE TRANSFORMER. RATIO AS INDICATED.	2(4)(6	DOUBLE GANG B	OX WITH (TWO) (FOUR) (SIX) JACKS OX WITH SINGLE GANG REDUCER ESSIBLE CEILING AREA	
DIRECTION ARROWS AS INDICATED	T	FLUSH POKE-THROUGH FOR COMMUNICATION FEEDS. COMMUNICATION FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.	•	RAISE-LOWER PUSHBUTTON WITH CENTER STOP	\longrightarrow \subseteq 1	POTENTIAL TRANSFORMER, QUANTITY AS INDICATED.	2(4)(0	COMBINATION VO	DICE/DATA OUTLET DX WITH SINGLE GANG REDUCER ESSIBLE CEILING AREA	
EMERGENCY BATTERY UNIT LUMINAIRE	(AV)	FLUSH POKE-THROUGH FOR AUDIO/VISUAL FEEDS. AUDIO/VIDEO FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.		PUSH-PLATE FOR AUTOMATIC DOOR	$\langle \longleftrightarrow \succeq_{1} \Longrightarrow \rangle$	DRAWOUT POTENTIAL TRANSFORMER, QUANTITY AS INDICATED.	 ■ W	SINGLE GANG BO	OX WITH WALL PHONE PLATE CCESSIBLE CEILING AREA.	
© CONTROL COIL (P) PHOTO CELL	PT	FLUSH POKE-THROUGH FOR POWER AND COMMUNICATION FEEDS. POWER AND COMMUNICATION FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.	PP PP	POWER POLE; WHIP TO BE HARDWIRED TO FURNITURE WIRING SYSTEM	1	LIGHTNING ARRESTOR		CEILING MOUNTE	ED VOICE/DATA RECEPTACLE	
	PT AV	FLUSH POKE-THROUGH FOR POWER, COMMUNICATION AND AUDIO/VISUAL FEEDS. POWER, COMMUNICATION AND AUDIO/VISUAL FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.	⊕ •—	GROUND ROD	\triangle	TRANSFORMER CONNECTION DELTA-	A	VOICE/DATA REC	EPTACLE	
SWITCH SYMBOLS	P	FLUSH POKE-THROUGH WITH POWER RECEPTACLES.		GROUND BUS	=	RESISTANCE GROUNDED WYE	TP TP	TELECOMM POLE	; WHIP TO BE HARDWIRED TO FURNITURE WIRING SYSTEM	
\$ SINGLE POLE, LOW VOLTAGE SWITCH, 20A, 120-277VAC		FLUSH POKE-THROUGH WITH COMMUNICATION RECEPTACLES.		LIGHTNING PROTECTION THROUGH ROOF DOWN CONDUCTOR	\wedge	TRANSFORMER CONNECTION			SECURITY SYMBOLS	
\$ X "X" REFER TO SWITCH NOTES SWITCH NOTES:	(AV)	FLUSH POKE-THROUGH WITH AUDIO/VISUAL RECEPTACLES.		LIGHTNING PROTECTION AIR TERMINAL		DELTA-GROUNDED WYE		CARD READER		
"a" = LOWER CASE LETTER INDICATES SWITCHING CIRCUIT ID "3" = THREE-WAY SWITCH 20A, 120-277VAC "4" = FOUR-WAY SWITCH 20A, 120-277VAC	PT	FLUSH POKE-THROUGH WITH POWER AND COMMUNICATION RECEPTACLES.		MULTI-OUTLET RACEWAY WITH RECEPTACLES EVERY 2 FT ON CENTER AND DATA OUTLETS EVERY 6 FT ON CENTER. TYPE AND CIRCUIT DESIGNATION AS INDICATED			DPS	DOOR POSTION	SWITCH	
"M" = MANUAL MOTOR STARTER SWITCH "MOL" = MANUAL MOTOR STARTER WITH THERMAL OVERLOADS "D" = DIMMER CONTROL	PT	FLUSH POKE-THROUGH WITH POWER, COMMUNICATION AND AUDIO/VISUAL RECEPTACLES.		WIRE/CONDUIT EXPOSED		STATIC BYPASS SWITCH	REX	REQUEST TO EX	T	
"D3" = THREE-WAY DIMMING SWITCH "D4" = FOUR-WAY DIMMING SWITCH "P" = SINGLE POLE SWITCH WITH PILOT LIGHT	P	RECESSED FLOOR BOX FOR POWER FEEDS. POWER FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.		WIRE/CONDUIT CONCEALED	GEN	GENERATOR		FIXED CCTV POE	CAMERA	
"K" = SINGLE POLE SWITCH (KEY-OPERATED) "T" = SINGLE POLE SWITCH WITH TIMER "3P" = THREE-POSITION SWITCH, CENTER-OFF, MOMENTARY CONTACT "OS" = OCCUPANCY/VACANCY SENSOR WALL SWITCH(IR) WITH MANUAL OVERRIDE	T	RECESSED FLOOR BOX FOR COMMUNICATION FEEDS. COMMUNICATION FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.		WIRE/CONDUIT CONCRETE ENCASED OR DIRECT BURIED	N _O E		PTZ	PAN, TILT, ZOOM	CCTV POE CAMERA	
00 - 00001 ANOT/VAOANOT GENOOK WALE OWN ON (III) WITH MANDAL OVERNIBL	AV	RECESSED FLOOR BOX FOR AUDIO/VISUAL FEEDS. AUDIO/VISUAL FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.	G	GROUNDING CONDUCTOR, SIZE AS INDICATED.	L	AUTOMATIC TRANSFER SWITCH	180	180 OR 360 DEGF	REE CCTV POE CAMERA	
	PT	RECESSED FLOOR BOX FOR POWER AND COMMUNICATION FEEDS. POWER AND COMMUNICATION FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.	2W20	HOME RUN INDICATION WITH PANEL DESIGNATION (RP5), CIRCUIT No.(7)&(9), OVERCURRENT PROTECTION "AMPS AND POLES" (20/2) AND WIRE/CONDUIT DESIGNATION (2W20). SEE WIRE AND CONDUIT	ON OL OE	AUTOMATIC TRANSFER AND				
OS OCCUPANCY SENSOR MOUNTED IN CEILING	PT	RECESSED FLOOR BOX FOR POWER, COMMUNICATION AND AUDIO/VISUAL FEEDS. POWER, COMMUNICATION AND AUDIO/VISUAL FEEDS TO BE HARDWIRED TO FURNITURE WIRING SYSTEM.	(20/2) RP5:7,9	SIZE SCHEDULE. PROVIDE 20A/1P AND 2 #12 FOR EACH HOMERUN ARROW & 1 #12G IN 3/4 " CONDUIT, UNLESS OTHERWISE INDICATED. SEE GENERAL NOTE 1.		BYPASS ISOLATION SWITCH				4
OCCUPANCY SENSOR NOTES: 1. PLACE ULTRASONIC SENSORS 6'-0" AWAY FROM SUPPLY AND RETURN VENTS.	Φ	RECESSED FLOOR BOX WITH POWER RECEPTACLES.	— E—	UNDERGROUND DUCT BANK - ELECTRIC		PANELBOARD				
	\sqrt	RECESSED FLOOR BOX WITH COMMUNICATION RECEPTACLES.	— тс —	UNDERGROUND DUCT BANK - COMMUNICATION/DATA/TELEPHONE		TANEEDOAND				-
			M	MANHOLE	<u></u>	POWER FACTOR CORRECTION CAPACITOR				
			Н	HANDHOLE	·					
			1 MI CABLE,1/C	(1) MI CABLE, SINGLE CONDUCTOR						- 1
			1 MI CABLE,3/C	(1) MI CABLE, THREE CONDUCTOR						(
			3 MI CABLES,1/C	(3) MI CABLES, SINGLE CONDUCTOR EACH						
			XX	EQUIPMENT IDENTIFICATION TAGS						
										-

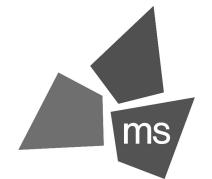
SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS

ELECTRICAL SYMBOLS

SINGLE LINE DIAGRAM SYMBOLS

RECEPTACLE SYMBOLS

LIGHTING SYMBOLS



GROUND CONNECTION

ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

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01/17/19 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

	REV	DESCRIPTION	DATE

Project No.: 62-40497 - 21
Client Project No.:

Drawing Title:

ving Title:

ELECTRICAL SYMBOLS

 Date:
 06.29.2022
 Phase:
 PERMIT SET

 Designed:
 JPF
 Drawing No.:

Drawn: JPF
Checked: KFF

E0.

E0.1

ABBREVIATIONS

A,AMP AC	AMPERE(S) ALTERNATING CURRENT	LT LTG	LONG TIME LIGHTING
AF	AMPERE FRAME (CIRCUIT BREAKER)	LP	LIGHTING PANEL
AFF	ABOVE FINISHED FLOOR	M	METER MILLIMETER
AFG AFU	ABOVE FINISHED GRADE AMPERE FUSE	mm mm2	MILLIMETERS SQUARED
AHU	AIR HANDLING UNIT	MAX	MAXIMUM
AIC AL	AMPERE INTERRUPTING CAPACITY ALUMINUM	MCB MCC	MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER
AS	AMMETER SWITCH	MCCB	MOLDED CASE CIRCUIT BREAKER
AM	AMMETER	MDF	MAIN DISTRIBUTION FRAME
AT ATS	AMPERE TRIP (CIRCUIT BREAKER) AUTOMATIC TRANSFER SWITCH	MECH MFR	MECHANICAL MANUFACTURER
AUX	AUXILIARY	MH	MANHOLE
A/V	AUDIO VISUAL	MI MIN	MINERAL-INSULATED MINIMUM
AWG	AMERICAN WIRE GAUGE	MIC	MEDIA INTERFACE CONNECTOR
BAS BKR	BUILDING AUTOMATION SYSTEM BREAKER	MIN	MINIMUM
BLDG	BUILDING	MLO	MANUAL BUILL STATION
BP	BYPASS	MPS MTD	MANUAL PULL STATION MOUNTED
BSC C	BIOLOGICAL SAFETY CABINET CONDUCTOR	MTG	MOUNTING
C/ CDT	CONDUIT	MTS	MANUAL TRANSFER SWITCH MEDIUM VOLTAGE
CATV	CABLE TELEVISION	MV N	NEUTRAL/NORMAL
CB CCTV	CIRCUIT BREAKER CLOSED CIRCUIT TELEVISION	NEC	NATIONAL ELECTRICAL CODE
CKT	CIRCUIT	NC	NORMALLY-CLOSED
CLG	CEILING	NIC NL	NOT IN CONTRACT NIGHT LIGHT
CO COAX	CONDUIT ONLY COAXIAL CABLE	NO	NORMALLY-OPEN / NUMBER
COL	COLUMN	NORM	NORMAL
COMM	COMMUNICATIONS	NTS NWP	NOT TO SCALE NETWORK PROTECTOR
CP CPT	CONTROL PANEL CONTROL POWER TRANSFORMER	NWP OCB	NETWORK PROTECTOR OIL CIRCUIT BREAKER
CPT CPU	CONTROL POWER TRANSFORMER CENTRAL PROCESSING UNIT	OL	OVERLOAD(S)
CR	CARD READER	OC OS	ON-CENTER OCCUPANCY SENSOR
CRT	CATHODE RAY TUBE MONITOR	Р	POLE
CS CU	CONTROL SWITCH COPPER	PA DB	PUBLIC ADDRESS SYSTEM
CUH	CABINET UNIT HEATER	PB PBX	PUSHBUTTON/PULLBOX PRIVATE BRANCH EXCHANGE
CT D	CURRENT TRANSFORMER DEPTH	PC	PHOTOCELL
DC	DIRECT CURRENT	PDU	POWER DISTRIBUTION UNIT
DDC	DIRECT DIGITAL CONTROL	PF PFCC	POWER FACTOR POWER FACTOR CORRECTION CAPACITOR
DEMO DIA	DEMOLITION DIAMETER	РН,ф	PHASE
DN	DOWN	PNL	PANEL
DISC	DISCONNECT	PP PR	POWER PANEL PAIR
DIST DWG	DISTRIBUTION DRAWING	PRI	PRIMARY
E E	ELECTRIC / EMERGENCY	PT	POTENTIAL TRANSFORMER
EC	ELECTRICAL CONTRACTOR, EMPTY CONDUIT	PVC PWR	POLYVINYLCHLORIDE POWER
ef El	EXHAUST FAN ELEVATION	QTY	QUANTITY
ELECT,ELEC	ELECTRICAL	RE	REMOVE EXISTING
ELEV	ELEVATOR	REC,RECPT	RECEPTACLE
EMT EO	ELECTRICAL METALLIC TUBING ELECTRICALLY OPERATED	REPO REQ,REQD	REMOTE E.P.O. REQUIRED
EOL	END OF LINE DEVICE	RF	RETURN FAN
EPO	EMERGENCY POWER OFF	RIM RM	READER INTERFACE MODULE ROOM
EQ EQUIP	EQUAL EQUIPMENT	RO	REVERSE-OSMOSIS
ER	EXISTING TO BE RELOCATED	RP	RECEPTACLE PANEL
EWC	ELECTRIC WATER COOLER	RVAT RTU	REDUCED VOLTAGE AUTOTRANSFORMER REMOTE TERMINAL UNIT
EX F	EXISTING TO REMAIN FLUSH	RUPS	ROTARY UPS
FA	FIRE ALARM	SCA	SHORT CIRCUIT AMPERES
FCC FCU	FIRE COMMAND CENTER FAN COIL UNIT	SD SEC	SMOKE DETECTOR SECONDARY
FDDI	FAIN COIL UNIT FIBER DISTRIBUTED DATA INTERFACE	SF	SUPPLY FAN
FDR	FEEDER	SF6 SPD	SULFERHEXAFLORIDE SURGE PROTECTIVE DEVICE
FH FIP	FUME HOOD FIELD INTERFACE PANEL	SPEC	SPECIFICATION
FIXT	FIXTURE	SPKR	SPEAKER
FLA	FULL LOAD AMPERES	SS ST	STAINLESS STEEL/SOLID STATE SHUNT TRIP/SHORT TIME
FLR,FL	FLOOR	STD	STANDARD
FLUOR FO	FLUORESCENT FIBER OPTIC	STP	SHIELDED TWISTED PAIR
FPB	FAN POWERED BOX	STS SW	STATIC TRANSFER SWITCH SWITCH
FSD FU	FIRE SMOKE DAMPER FUSE	SWBD	SWITCHBOARD
FUT	FUTURE	SWGR	SWITCHGEAR
FVR FVNR	FULL VOLTAGE REVERSIBLE FULL VOLTAGE NON REVERSIBLE	SYM	SYMMETRICAL
G	GROUND (CONDUCTOR)	SYS T	SYSTEM TRANSFORMER
GA	GAUGE	TB TELECOM	TERMINAL BLOCK
GEN GE	GENERATOR GROUND FAULT	TDR	TELECOMMUNICATIONS TIME DOMAIN REFLECTOMETER
GF GFI	GROUND FAULT GROUND FAULT CIRCUIT INTERRUPTER	TEF	TOILET EXHAUST FAN
GND,GRD	GROUND	TEL,TELE TR	TELEPHONE TELEPHONE ROOM
GPS GPS	GENERATOR PARALLELING SWITCHGEAR	TV	TELEVISION
GRC	GALVANIZED RIGID STEEL CONDUIT HAND HOLE	TVSS TYP	TRANSIENT VOLTAGE SURGE SUPPRESSIC TYPICAL
HH		UC	UNDER-COUNTER
HID	HIGH INTENSITY DISCHARGE		UNIT HEATER
HID HOA	HAND-OFF-AUTOMATIC SWITCH	UH	
HID		UL	UNDERWRITERS LABORATORY
HID HOA HP HT HWP	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP		
HID HOA HP HT HWP HV	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE	UL UNO UON UPS	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE
HID HOA HP HT HWP	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP	UL UNO UON UPS UTP	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR
HID HOA HP HT HWP HV HZ I/INST	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER	UL UNO UON UPS UTP V	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S)
HID HOA HP HT HWP HV HZ I/INST ICM ICR	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE	UL UNO UON UPS UTP	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR
HID HOA HP HT HWP HV HZ I/INST	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER	UL UNO UON UPS UTP V VA VAV VFD	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE
HID HOA HP HT HWP HV HZ I/INST ICM ICR IG IMC INSTR	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSTRUMENT/INSTRUMENTATION	UL UNO UON UPS UTP V VA VAV VFD VM	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE VOLTMETER
HID HOA HP HT HWP HV HZ I/INST ICM ICR IG IMC INSTR JB,JBOX	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSTRUMENT/INSTRUMENTATION JUNCTION BOX	UL UNO UON UPS UTP V VA VAV VFD	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE
HID HOA HP HT HWP HV HZ I/INST ICM ICR IG IMC INSTR JB,JBOX K KA	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSTRUMENT/INSTRUMENTATION JUNCTION BOX KEY LOCK (KEY INTERLOCK SCHEME) KILOAMPERES	UL UNO UON UPS UTP V VA VAV VFD VM VS W/ W	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE VOLTMETER VOLTMETER WITH WIRE/WATT/ WIDTH
HID HOA HP HT HWP HV HZ I/INST ICM IGC IMC INSTR JB,JBOX K KA KCM	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSTRUMENT/INSTRUMENTATION JUNCTION BOX KEY LOCK (KEY INTERLOCK SCHEME) KILOAMPERES THOUSAND CIRCULAR MILS	UL UNO UON UPS UTP V VA VAV VFD VM VS W/ W WCR	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE VOLTMETER VOLTMETER VOLTMETER SWITCH WITH WIRE/WATT/ WIDTH WITHSTAND CURRENT RATING
HID HOA HP HT HWP HV HZ I/INST ICM ICR IG IMC INSTR JB,JBOX K KA KCM KEF KW	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSTRUMENT/INSTRUMENTATION JUNCTION BOX KEY LOCK (KEY INTERLOCK SCHEME) KILOAMPERES	UL UNO UON UPS UTP V VA VAV VFD VM VS W/ W	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE VOLTMETER VOLTMETER WITH WIRE/WATT/ WIDTH
HID HOA HP HT HWP HV HZ I/INST ICM ICR IG IMC INSTR JB,JBOX K KA KCM KEF KW	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSTRUMENT/INSTRUMENTATION JUNCTION BOX KEY LOCK (KEY INTERLOCK SCHEME) KILOAMPERES THOUSAND CIRCULAR MILS KITCHEN EXHAUST FAN KILOWATTS KILOWATT HOUR	UL UNO UON UPS UTP V VA VAV VFD VM VS W/ W WCR WM	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE VOLTMETER VOLTMETER VOLTMETER SWITCH WITH WIRE/WATT/ WIDTH WITHSTAND CURRENT RATING WATTMETER
HID HOA HP HT HWP HV HZ I/INST ICM ICR IG IMC INSTR JB,JBOX K KA KCM KEF KW	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSTRUMENT/INSTRUMENTATION JUNCTION BOX KEY LOCK (KEY INTERLOCK SCHEME) KILOAMPERES THOUSAND CIRCULAR MILS KITCHEN EXHAUST FAN KILOWATTS	UL UNO UON UPS UTP V VA VAV VFD VM VS W/ W WCR WM WP WT XFMR	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE VOLTMETER VOLTMETER VOLTMETER SWITCH WITH WIRE/WATT/ WIDTH WITHSTAND CURRENT RATING WATTMETER WEATHERPROOF WATERTIGHT TRANSFORMER
HID HOA HP HT HWP HV HZ I/INST ICM ICR IG IMC INSTR JB,JBOX K KA KCM KEF KW KWH KV	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSTRUMENT/INSTRUMENTATION JUNCTION BOX KEY LOCK (KEY INTERLOCK SCHEME) KILOAMPERES THOUSAND CIRCULAR MILS KITCHEN EXHAUST FAN KILOWATTS KILOWATT HOUR KILOVOLTS KILO VOLT-AMPERES KVA REACTIVE	UL UNO UON UPS UTP V VA VAV VFD VM VS W/ W WCR WM WP WT XFMR XP	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE VOLTMETER VOLTMETER VOLTMETER WITH WIRE/WATT/ WIDTH WITHSTAND CURRENT RATING WATTMETER WEATHERPROOF WATERTIGHT TRANSFORMER EXPLOSION-PROOF
HID HOA HP HT HWP HV HZ I/INST ICM ICR IG IMC INSTR JB,JBOX K KA KCM KEF KW KWH KV KVA	HAND-OFF-AUTOMATIC SWITCH HORSEPOWER HEIGHT HOT WATER PUMP HIGH VOLTAGE HERTZ INSTANTANEOUS INTERCOM MASTER INTERCOM REMOTE ISOLATED GROUND INTERMEDIATE METAL CONDUIT INSTRUMENT/INSTRUMENTATION JUNCTION BOX KEY LOCK (KEY INTERLOCK SCHEME) KILOAMPERES THOUSAND CIRCULAR MILS KITCHEN EXHAUST FAN KILOWATTS KILOWATT HOUR KILOVOLTS KILO VOLT-AMPERES	UL UNO UON UPS UTP V VA VAV VFD VM VS W/ W WCR WM WP WT XFMR	UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR VOLT(S) VOLT-AMPERES VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE VOLTMETER VOLTMETER VOLTMETER SWITCH WITH WIRE/WATT/ WIDTH WITHSTAND CURRENT RATING WATTMETER WEATHERPROOF WATERTIGHT TRANSFORMER

ABBREVIATIONS

MOUNTING HEIGHTS:

4 FEET

3 FEET

6 FEET-6 INCHES

1 FOOT-6 INCHES

4 FEET-6 INCHES

6 FEET-6 INCHES

4 INCHES ABOVE BACKSPLASH

UNLESS OTHERWISE INDICATED, OUTLET BOXES IN WALLS SHALL BE LOCATED WITH CENTERLINE AT THE FOLLOWING ELEVATIONS ABOVE THE FINISHED FLOOR LINE. VERIFY ALL HEIGHTS PRIOR TO ACTUAL LAYOUT OF WORK WITH THE GENERAL CONSTRUCTION CONTRACTOR.

SWITCH OUTLETS

2. BRACKET OUTLETS (OTHER) 3. RECEPTACLE OUTLETS (U.O.N.)

4. RECEPTACLE OUTLETS,

MECHANICAL ROOMS

5. RECEPTACLE OUTLETS MOUNTED, ABOVE CASEWORK/CABINETS

MOTOR STARTERS AND

SAFETY SWITCHES

6. CLOCK OUTLETS 12 INCHES BELOW CEILING

8. PANELBOARDS (TOP)

MOUNTING HEIGHT NOTES:

THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS OTHERWISE NOTED ON PLANS OR SPECIFICATIONS.

GENERAL NOTES:

- 1. PROVIDE EACH 120V, 20A BRANCH CIRCUIT FROM LIGHTING AND APPLIANCE PANELBOARDS WITH A SEPARATE NEUTRAL FOR EACH PHASE CONDUCTOR. NO SHARED NEUTRALS ARE PERMITTED UNLESS OTHERWISE INDICATED. BRANCH CIRCUIT HOME RUN WIRING MAY BE COMBINED UP TO MAXIMUM OF (6) CURRENT CARRYING CONDUCTORS IN A CONDUIT SIZED PER NFPA 70.
- 2. THESE ARE STANDARD ABBREVIATION LISTS AND SYMBOLS. DISREGARD UNUSED ABBREVIATIONS AND SYMBOLS.
- 3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR
- LUMINAIRE LOCATIONS.
- 4. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF LUMINAIRES WITH OTHER TRADES.
- 5. FOR LOCATION OF MECHANICAL EQUIPMENT, REFER TO MECHANICAL PLANS.
- 6. A '+' BESIDE A DEVICE INDICATES MOUNTED ABOVE CASEWORK OR
- COUNTER. A 'UC' BESIDE A DEVICE INDICATES MOUNTED UNDER COUNTER.
- 7. PROVIDE # 10 AWG PHASE, NEUTRAL, AND GROUND CONDUCTORS FOR 120 VOLT, 20 AMPERE BRANCH CIRCUITS EXCEEDING 100 FEET.
- 8. RIGID EMT TO BE USED ABOVE CEIING AND INSIDE WALLS. MC CABLE USED FOR WHIP CONNECTIONS WITHIN 6 FEET UNO.



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f 614.898.7570 www.msconsultants.com

AND OD 50

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01/23/19 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

REV	DESCRIPTION	DATE

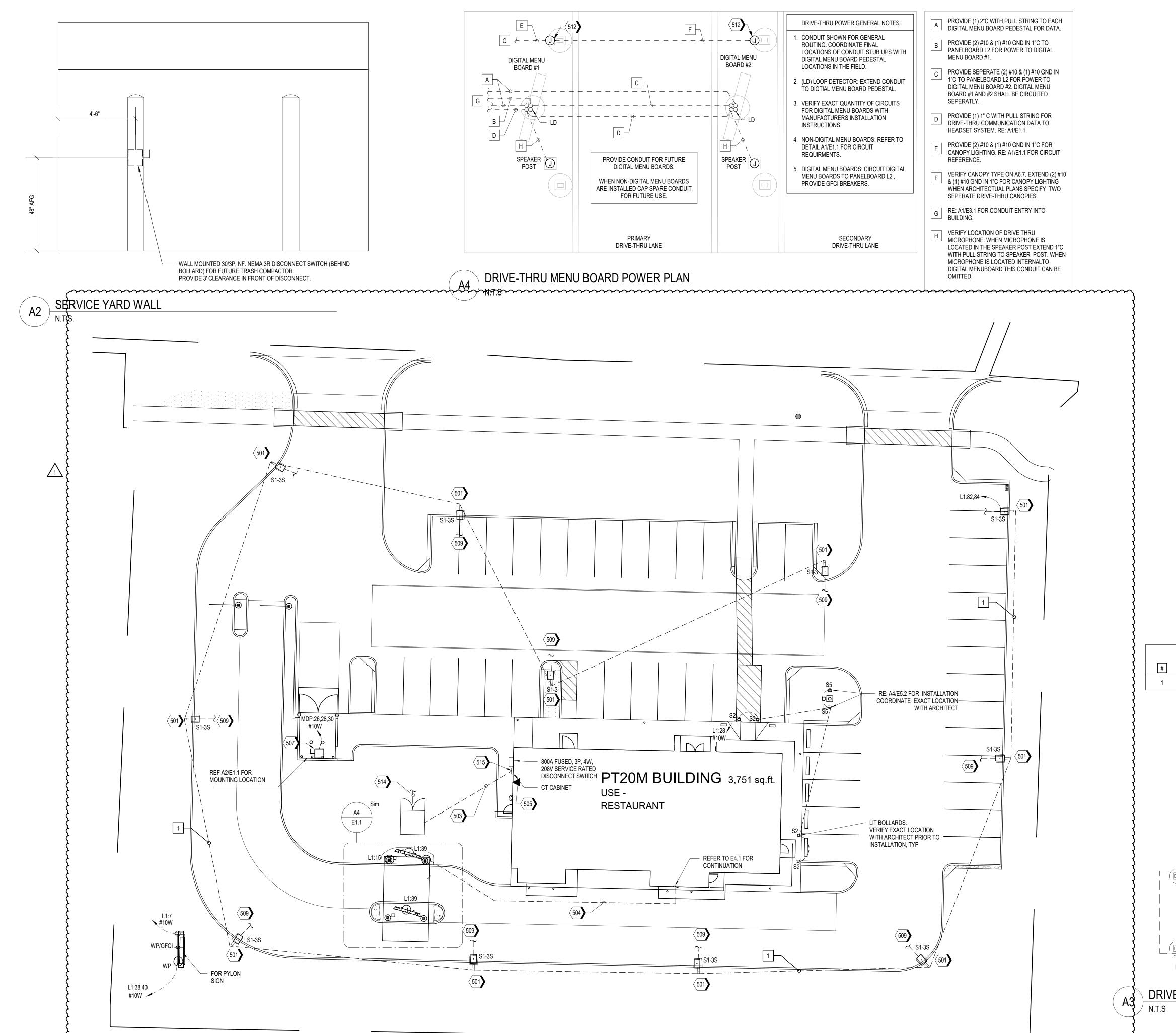
Project No.: 62-40497 - 21

Client Project No.:

Drawing Title: **ELECTRICAL ABBREVIATIONS** AND SCHEDULES

Date: 06.29.2022 Phase: PERMIT SET Designed: JPF Drawing No.:

Drawn: JPF Checked: KFF



ELECTRICAL SITE PLAN

GENERAL NOTES

- A. REFER TO SHEET E0.1 AND E0.2 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- B. CIRCUIT SIGNAGE TO NEW BUILDING AS SHOWN.
- C. ELECTRICAL CONTRACTOR SHALL VERIFY ALL POWER AND TELEPHONE REQUIREMENTS AND EQUIPMENT PRIOR TO
- INSTALLATION. D. ELECTRICAL CONTRACTOR TO VERIFY UNDERGROUND
- SERVICE REQUIREMENTS WITH POWER CO. E. SIGNAGE TO BE INSTALLED BY SIGN CONTRACTOR. VERIFY
- EXACT LOCATIONS, LOADS AND WIRING REQUIREMENTS PRIOR TO INSTALLATION. F. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT,
- WIRING AND CONNECTIONS FOR SIGNAGE AND PARKING LOT LIGHTS. (COORDINATE EXACT LOCATIONS).
- G. ELECTRICAL CONTRACTOR SHALL VERIFY ALL REQUIREMENTS WITH GENERAL CONTRACTOR.

H. UNDERGROUND CONDUIT INSTALLATIONS SHALL COMPLY WITH

- NEC ARTICLE 300.5.
- J. EXTERIOR LIGHTING AND SIGN LIGHTING SHALL BE CONTROLLED VIA BMS-LIGHTING CONTROL PANEL. REFER TO SHEET E5.3 FOR LIGHTING CONTROL WIRING DIAGRAM.
- K. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE, AND LOCAL REQUIREMENTS. WHERE CONFLICTS ARISE, THE MOST STRIGENT REQUIREMENT SHALL TAKE PRECEDENCE.
- ALL UNDERGROUND CONDUIT RUNS SHALL BE ROUTED CLEAR OF UNDERGROUND DETENTION.
- M. ALL EXTERIOR LIGHT POLES, FLAGPOLE LIGHTS, SIGNAGE, AND EXTERIOR MENU BOARDS SHALL ROUTE THROUGH THE LIGHTING CONTROL PANEL.

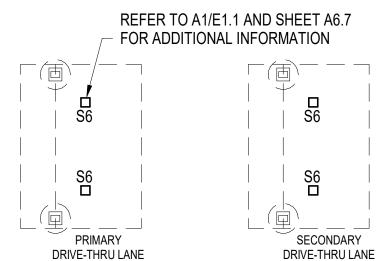
KEYNOTES

- 501 AREA LIGHTS WITH POLE AND BASE. 503 ELECTRICAL UNDERGROUND SECONDARY SERVICE ENTRANCE CONDUITS TO BUILDING FROM TRANSFORMER BY E.C. RE: A2/E5.1 SINGLE LINE DIAGRAM. COORDINATE ELECTRIC SERVICE ROUTING
- WITH UTILITY COMPANY. 504 PROVIDE 1" C WITH PULL STRING FOR DRIVE-THRU COMMUNICATION DATA TO DRIVE THRU HEADSET SYSTEM. RE:
- 505 PROVIDE 2" C WITH PULL STRING TO PROPERTY LINE FOR I.T. COMMUNICATION CABLE. ROUTE LINE TO BUILDING AT THIS LOCATION. COORDINATE COMMUNICATION SERVICE WITH UTILITY.
- 507 TRASH COMPACTOR BY OTHERS. PROVIDE 30A/240V/3P/NF/NEMA

3R DISCONNECT SWITCH WITH 3#10, #10 GND, IN 1"C TO PANEL

- 'MDP'. STUB UP AGAINST SERVICE YARD WALL. RE: A2/E1.1 509 PROVIDE 3/4" EMPTY CONDUIT WITH PULL WIRE FOR POLE MOUNTED WIRELESS ACCESS POINT (WAP), VERIFY LOCATIONS WITH OWNER PRIOR TO INSTALLATION. ROUTE CONDUIT FROM SITE LIGHTING POLE TO MANAGERS OFFICE. TOTAL CONDUIT RUN FROM BUILDING ENTRY TO WAP NOT TO EXCEED 250'-0". RE:
- 512 REFER TO B2/A6.7 FOR TYPE F LIGHT FIXTURE, CANOPY DETAIL. 514 UNDERGROUND ELECTRICAL SERVICE TO TRANSFORMER. 515 REFER TO A1/E3.1 FOR SITE CONDUIT ENTRIES.

UNDERGROUND CONDUIT SCHEDULE CONDUIT SIZE CIRCUIT WIRE SIZE GROUND L1-82,84 2 - #10 THWN #10 3/4"



DRIVE-THRU LARGE CANOPY LIGHTING

ms consultants, inc engineers, architects, planners 2221 Schrock Road Columbus, Ohio 43229

www.msconsultants.com

p 614.898.7100

f 614.898.7570

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WHATABURGER

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PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

EV	DESCRIPTION	DATE
1	Development Comment Response	08/03/22

Project No.: 62-40497 - 21

Client Project No.: Drawing Title:

ELECTRICAL SITE PLAN

Date:	06.29.2022	Phase:	PERMIT SE
Designed:	JPF	Drawing	g No.:

Drawn : JPF Checked: KFF

A. REFER TO ELECTRICAL LIGHT FIXTURE SCHEDULE ON SHEET E6.1 FOR LIGHT FIXTURE ELECTRICAL INFORMATION.



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PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

REV	DESCRIPTION	DATE
1	Development Comment Response	08/03/22

62-40497 - 21 Project No.: Client Project No.:

Drawing Title:

PHOTOMETERIC SITE PLAN

Date: 06.29.2022 Phase: PERMIT SET Designed: JPF Drawing No.: Drawn: JPF

Checked: KFF

27.5' OVERALL 25' POLE 2.5' BASE GRADE **POLE DETAIL** (NOT TO SCALE)

Luminaire Sche	edule					
Symbol	Qty	Label	Lumens/Lamp	Arrangement	LLF	Description
-	2	S1-3	N.A.	SINGLE	0.900	CTL-N-35L-T3-35,000 LUMEN TYPE 3 LED
	9	S1-3S	N.A.	SINGLE	0.900	CTL-N-35L-T3-S215-30,000 LUMEN TYPE 3 LED W/BACK SHLD

TECHLIGHT INC.

- DUE TO CHANGING LIGHTING ORDINANCES IT IS THE CONTRACTORS RESPONSIBILITY TO SUBMIT THE SITE PHOTOMETRICS AND LUMINAIRE SPECS TO THE LOCAL INSPECTOR BEFORE ORDERING TO ENSURE THIS PLAN COMPLIES WITH LOCAL LIGHTING ORDINACES.

0.0 to 1 to 1 to 3 to 3 to 4 to 8 to 5.0 to 5.4 to 5.5 to 5.4 to

- THIS LIGHTING DESIGN IS BASED ON INFORMATION SUPPLIED BY OTHERS. CHANGES IN ELECTRICAL SUPPLY, AREA GEOMETRY AND OBJECTS WITHIN THE LIGHTED AREA MAY PRODUCE ILLUMINATION VALUES DIFFERENT

FROM THE PREDICTED RESULTS SHOWN ON THIS LAYOUT. - THIS LAYOUT IS BASED ON .IES FILES THAT WERE LAB TESTED OR COMPUTER GENERATED. ACTUAL RESULTS MAY VARY.

Symbol	Qty	Label	Lumens/Lamp	Arrangement	LLF	Description
-	2	S1-3	N.A.	SINGLE	0.900	CTL-N-35L-T3-35,000 LUMEN TYPE 3 LED
—	9	S1-3S	N.A.	SINGLE	0.900	CTL-N-35L-T3-S215-30,000 LUMEN TYPE 3 LED W/BACK SHLD

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Mir
SITE	Illuminance	Fc	2.24	8.1	0.0	N.A.	N.A.
PARKING AND DRIVE	Illuminance	Fc	5.39	8.1	1.9	2.84	4.26

 0.1
 0.1
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 0.0
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 0.0

3,751 sq.ft.

0.0 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0.2 0.2 0.3 0.4 0.3 0.3 0.5 0.6 0.5 0.5 0.4 0.4 0.4 0.4 0.4 0.4 0.5 0.7 1.0 1.4 1.9 1.4 0.4 0.3 0.4 0.4 0.3 0.2 0.1 0.1 0.0 0.0 0.0

Min	Max/Min		LumNo	Label	Z-luminaire height	Tilt
	N.A.		1	S1-3	27.5	0
	4.26		2	S1-3	27.5	0
		•	3	S1-3S	27.5	0
			4	S1-3S	27.5	0
			5	S1-3S	27.5	0
			6	S1-3S	27.5	0
			7	S1-3S	27.5	0
			8	S1-3S	27.5	0
			9	S1-3S	27.5	0
			10	C1 2C	27.5	0

Luminaire Location Summary

11 S1-3S

FOR PRICING CONTACT:

DOUG KILE 214-957-5304

1. Calculation at grade.

2. Based on 25' poles plus 2.5' AFG bases.

GENERAL NOTES

- LARGE SIGN. SEPERATE ALL SIGNAGE AND SECURITY LIGHTING. COORDINATE ALL J-BOX LOCATIONS WITH SIGN LOCATIONS PRIOR TO
 - . REFER TO ARCHITECTURAL ELEVATIONS FOR BUILDING SIGN LOCATIONS.
 - REFER TO SHEET E6.1 FOR LIGHT FIXTURE SCHEDULE.
 - M. FOR LIGHTS WITH EMERGENCY BATTERY BACK-UP: NORMAL DUTY BALLAST TO BE SWITCHED. EMERGENCY BALLAST TO OPEN UPON POWER FAILURE
 - N. EXIT SIGNS AND NIGHT LIGHTS SHALL NOT BE SWITCHED.
 - ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE, AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

KEYNOTES

- 106 REFER TO C1/A6.9 FOR TYPE F DETAIL. 108 EM STEP LIGHT SHALL BE WIRED ONLY AS AN EMERGENCY LIGHT
- TO BE ENERGIZED UPON POWER FAILURE. 109 CANOPY EMERGENCY LIGHT TO BE SWITCHED AS INDICATED. EMERGENCY BATTERY PACK TO ENERGIZE FIXTURE UPON POWER
- 111 ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUITS, CONDUCTORS, AND CONNECTIONS FOR TWO SWITCHES FOR COOLER BOXES. SWITCH WITH PILOT LIGHT IN J-BOX PROVIDED BY
- 113 CEILING MOUNTED OCCUPANCY SENSOR TO CONTROL LIGHTING WITHIN THIS SPACE. PROVIDE PASSIVE INFRARED LINE VOLTAGE HUBBELL #PIR10P CEILING MOUNTED SERIES OR EQUIVALENT, WITH A MAXIMUM DELAY SETTING OF 30 MINUTES.
- 114 PROVIDE AND INSTALL WALL SWITCHES TO CONTROL GENERAL LIGHTING CIRCUITS. INDICATE WHICH LIGHTING CIRCUIT IS CONTROLLED ON EACH SWITCH WITH AN ORANGE ENGRAVED PHENOLIC NAME PLATE WITH WHITE LETTERS. REFER TO DETAIL
- 117 PROVIDE LOCKABLE WEATHER PROOF TOGGLE SWITCH AND CONNECT THROUGH BMS-LIGHTING CONTROL PANEL. COORDINATE EXACT LOCATION OF J-BOXES WITH ACTUAL LOCATION OF RESPECTIVE SIGNAGE OR LIGHTING, COORDINATE EXACT LOCATION WITH ARCHITECTUAL PLANS. ALL EXTERIOR SIGNAGE AND LIGHTING TO BE CONTROLLED THRU BMS-LIGHTING CONTROL PANEL, (2) 4 POLE N.O. CONTACTOR, WHICH HANDLE UP TO 30 AMPS EACH. SITE SIGNAGE, ALL DRIVE-THRU MENUS, ALL WHATABURGER LOGO BUILDING SIGNS CONNECTED TO OUTDOOR SIGNAGE TERMINALS SOFFIT RECESSED FIXTURES AND BACK DOOR LIGHTING ARE CONNECTED TO OUTDOOR LIGHTING TERMINALS. REFER TO E5.3 FOR LIGHTING CONTROL WIRING DIAGRAM. BUILDING MOUNTED EXTERIOR LIGHTS AND EXTERIOR SIGNAGE ARE CONTROLLED BY (1) CONTACTOR. EXTERIOR SITE LIGHTS ARE CONTROLLED BY SECOND CONTACTOR.
- 120 ONLY SEALTIGHT SHALL BE PERMITED IN WALK-IN COOLER/FREEZER. SEAL PER NEC 300.7(A).



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PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

REV	DESCRIPTION	DATE

62-40497 - 21 Project No.: Client Project No.:

Drawing Title:

ELECTRICAL LIGHTING PLAN

Phase: PERMIT SET Date: 06.29.2022

Designed: JPF Drawn: JPF Checked: KFF

GENERAL NOTES

- ALL ISOLATED GROUND JUNCTION BOXES, LOCATED ABOVE CEILING, SHALL
- ALL ISOLATED GROUND SPLICES SHALL BE MADE WITH CRIMP TYPE CONNECTORS. WIRE NUTS ARE NOT ACCEPTABLE.
- REFER TO KITCHEN EQUIPMENT PLANS FOR EXACT LOCATION OF ELEC.
- ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN THE FOLLOWING LOCATIONS (PART B-OTHER THAN DWELLING UNIT KITCHENS) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. THIS INCLUDES RECEPTACLES ON 240-VOLT CIRCUITS. THREE-PHASE RECEPTACLES ON 208Y/120-VOLT THREE-PHASE CIRCUITS IN THOSE AREAS WOULD ALSO REQUIRE GFCI PROTECTION. PER NEC 210.8 (B) AND AHJ REQUIREMENTS.
- M. REFER TO SHEET E6.1 FOR EQUIPMENT SCHEDULES AND CONNECTION
- ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE, AND LOCAL REQUIREMENTS. WHERE CONFLICTS ARISE, THE MOST STRINGENT
- CONTRACTOR SHALL INSTALL SOOW CORDS WITH KELLUM STYLE STRAIN RELIEFS AND APPROPRIATE PLUGS FOR THE FOLLOWING EQUIPMENT: TWO CORDS FOR EACH GRILL (4 TOTAL), ONE FOR EACH FRYER (5 TOTAL) AND ONE FOR OVEN.COORDINATE ALL REQUIRMENTS WITH KITCHEN
 - 201 FIRE ALARM ANNUNCIATOR PANEL. REFER TO FIRE ALARM DRAWINGS FOR FURTHER INFORMATION.
 - FOR FURTHER INFORMATION. 203 PROVIDE CEILING MOUNTED JUNCTION BOX FOR SECURITY.
 - ELECTRICAL PANEL AREA TO JUNCTION BOX. 204 PROVIDE WALL MOUNTED. GASKETED JUNCTION BOX MOUNTED 9'-0" ABOVE GRADE FOR SECURITY OR WIRELESS ACCESS POINT.
 - PROVIDE 3/4" CONDUIT WITH NYLON PULL STRING FROM MANAGERS OFFICE TO JUNCTION BOX. 205 PROVIDE CEILING MOUNTED, GASKETED JUNCTION BOX FOR
 - SECURITY. PROVIDE 3/4" CONDUIT WITH NYLON PULL STRING FROM ELECTRICAL PANEL AREA TO JUNCTION BOX. 206 PROVIDE BELL AND BUZZER WITH STAINLESS STEEL COVER
 - 213 PROVIDE STEP-DOWN TRANSFORMER FOR TOUCH-FREE VALVES
 - 220 REFER TO EQUIPMENT SCHEDULE ON SHEET E6.1 FOR
 - 233 COORDINATE ALL OFFICE WORK WITH WHATABURGER PRIOR TO BEGINNING CONSTRUCTION.
 - 237 CONNECT BMS-LIGHTING CONTROL PANEL TO 120V POWER. REFER TO SHEET E5.3 FOR INSTALLATION DETAILS.
 - 239 PROVIDE (1) 2"C FROM SPRINKLER CONTROL BOX TO LANDSCAPE AREA. PRÒVIDE (1) 4X4 PULL BOX AT +48" FOR IRRIGATION
 - TRANSFORMER, RE: A2/E5.1
 - 241 (1) 2"C WITH PULL STRING FOR DATA TO FUTURE DIGITAL
 - 242 (1) 1" C. UNDERGROUND TO MENUBOARDS. REFER TO SHEET E1.1 FOR POWER TO MENUBOARDS. CONNECT TO BMS-LIGHTING
 - CONTROL PANEL, RE: A1/E1.1. 249 ENTRY FOR POLE MOUNTED SECURITY OR WIRELESS ACCESS POINT, PROVIDE 3/4" CONDUIT WITH PULL WIRE FROM MANAGERS
 - OFFICE TO SITE LIGHTING POLES. CONDUIT ENTRIES SHOWN FOR REFERENCE. VERIFY UG CONDUIT COUNT ON A1/E1.1.
 - 250 PROVIDE 2" CONDUIT WITH PULL STRING TO PROPERTY LINE FOR I.T. COMMUNICATION CABLE.
 - 251 MOUNT WH DISCONNECT ABOVE WH NEAR EXPANSION TANK.COORDINATE EXACT LOCATION SO THAT BOTH THE EXPANSION TANK AND DISCONNECT FIT ON THE SAME WALL.
 - 254 SITE CONDUIT ENTRIES SHOWN FOR REFERENCE. VERIFY UG CONDUIT COUNT ON A1/E1.1.



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62-40497 - 21 Project No.:

Client Project No.:

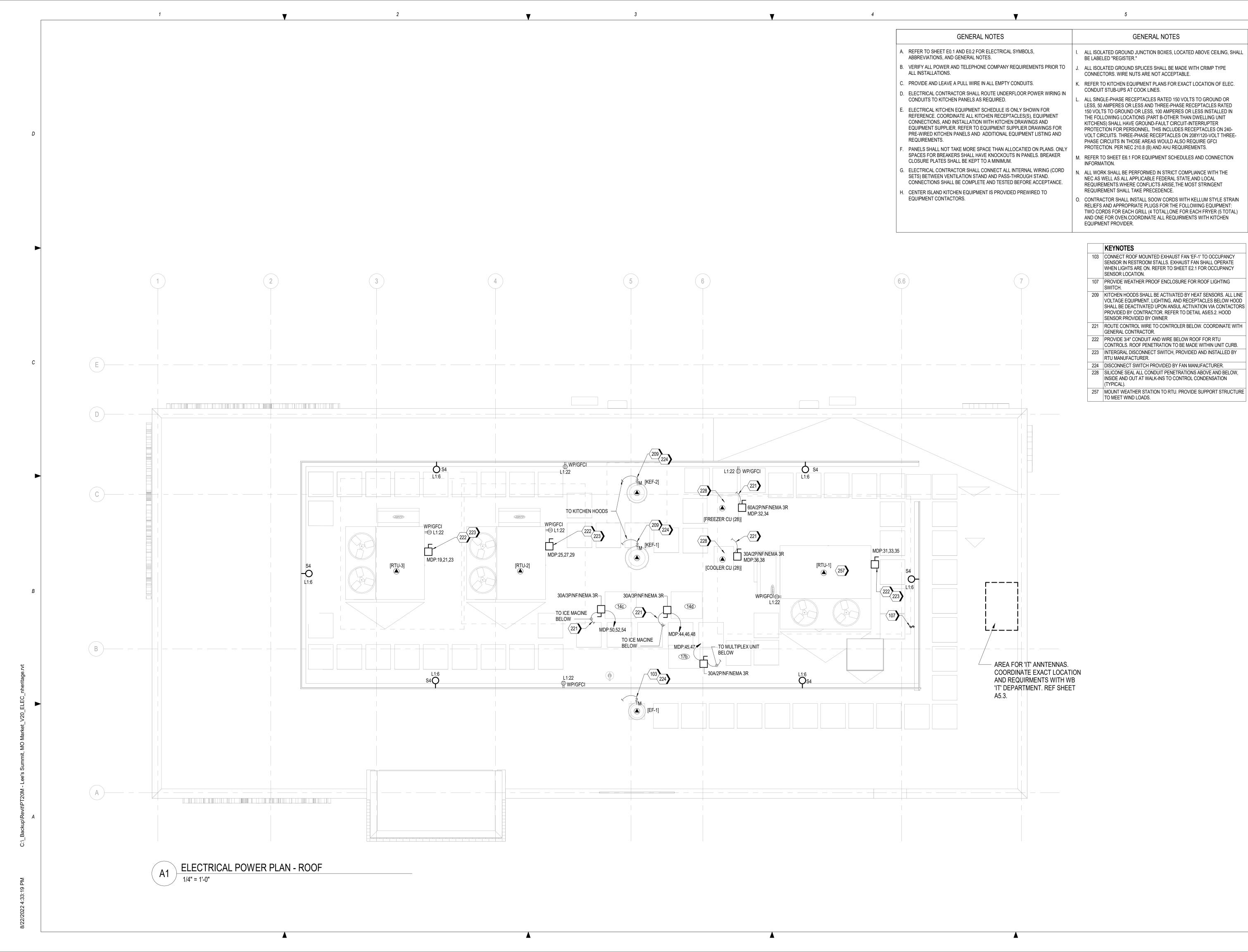
Drawing Title:

Date: 06.29.2022 Phase: PERMIT SET

ELECTRICAL POWER PLAN

Designed: JPF Drawn: JPF Checked: KFF

Drawing No.: E3.1





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	REV	DESCRIPTION	DATE

62-40497 - 21 Project No.:

Client Project No.:

Drawing Title:

ELECTRICAL POWER PLAN -ROOF

Phase: PERMIT SET Date: 06.29.2022 Designed: JPF Drawing No.:

Drawn: JPF Checked: KFF

1. ALL EQUIPMENT UNDER HOOD IS SERVED BY AN ANSUL CONTROLLED EMERGENCY SHUT-DOWN CONTACTOR.

FIRE ALARM PANEL.

(6.4)

PHONE LINE SCHEDULE
LINE #1-STORE PHONE
LINE #2-STORE PHONE
LINE #3-FAX/BUILDING CONTROL
NOTES:

VERIFY IF LINE #4 WILL BE REQUIRED FOR

GENERAL NOTES

REFER TO SHEET E0.1 AND E0.2 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.

ALL INSTALLATIONS.

VERIFY ALL POWER AND TELEPHONE COMPANY REQUIREMENTS PRIOR TO

PROVIDE AND LEAVE A PULL WIRE IN ALL EMPTY CONDUITS.

ELECTRICAL CONTRACTOR SHALL ROUTE UNDERFLOOR POWER WIRING IN CONDUITS TO KITCHEN PANELS AS REQUIRED.

ELECTRICAL KITCHEN EQUIPMENT SCHEDULE IS ONLY SHOWN FOR REFERENCE. COORDINATE ALL KITCHEN RECEPTACLES(S), EQUIPMENT CONNECTIONS, AND INSTALLATION WITH KITCHEN DRAWINGS AND EQUIPMENT SUPPLIER. REFER TO EQUIPMENT SUPPLIER DRAWINGS FOR PRE-WIRED KITCHEN PANELS AND ADDITIONAL EQUIPMENT LISTING AND REQUIREMENTS.

PANELS SHALL NOT TAKE MORE SPACE THAN ALLOCATIED ON PLANS. ONLY SPACES FOR BREAKERS SHALL HAVE KNOCKOUTS IN PANELS. BREAKER CLOSURE PLATES SHALL BE KEPT TO A MINIMUM.

SETS) BETWEEN VENTILATION STAND AND PASS-THROUGH STAND.

ELECTRICAL CONTRACTOR SHALL CONNECT ALL INTERNAL WIRING (CORD

CONNECTIONS SHALL BE COMPLETE AND TESTED BEFORE ACCEPTANCE.

CENTER ISLAND KITCHEN EQUIPMENT IS PROVIDED PREWIRED TO EQUIPMENT CONTACTORS.

GENERAL NOTES

ALL ISOLATED GROUND JUNCTION BOXES, LOCATED ABOVE CEILING, SHALL BE LABELED "REGISTER."

ALL ISOLATED GROUND SPLICES SHALL BE MADE WITH CRIMP TYPE

CONNECTORS. WIRE NUTS ARE NOT ACCEPTABLE. REFER TO KITCHEN EQUIPMENT PLANS FOR EXACT LOCATION OF ELEC.

CONDUIT STUB-UPS AT COOK LINES. ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN THE FOLLOWING LOCATIONS (PART B-OTHER THAN DWELLING UNIT KITCHENS) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. THIS INCLUDES RECEPTACLES ON 240-VOLT CIRCUITS. THREE-PHASE RECEPTACLES ON 208Y/120-VOLT THREE-PHASE CIRCUITS IN THOSE AREAS WOULD ALSO REQUIRE GFCI PROTECTION. PER NEC 210.8 (B) AND AHJ REQUIREMENTS.

REFER TO SHEET E6.1 FOR EQUIPMENT SCHEDULES AND CONNECTION INFORMATION.

ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE, AND LOCAL REQUIREMENTS.WHERE CONFLICTS ARISE, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

). CONTRACTOR SHALL INSTALL SOOW CORDS WITH KELLUM STYLE STRAIN RELIEFS AND APPROPRIATE PLUGS FOR THE FOLLOWING EQUIPMENT: TWO CORDS FOR EACH GRILL (4 TOTAL), ONE FOR EACH FRYER (5 TOTAL) AND ONE FOR OVEN.COORDINATE ALL REQUIRMENTS WITH KITCHEN EQUIPMENT PROVIDER.

KEYNOTES

120 ONLY SEALTIGHT SHALL BE PERMITED IN WALK-IN COOLER/FREEZER. SEAL PER NEC 300.7(A).

203 PROVIDE CEILING MOUNTED JUNCTION BOX FOR SECURITY. PROVIDE 3/4" CONDUIT WITH NYLON PULL STRING FROM ELECTRICAL PANEL AREA TO JUNCTION BOX.

207 PROVIDE JUNCTION BOX FOR POWER CONNECTION TO DRIVE-THRU WINDOW. ROUTE POWER UNDERGROUND TO AVOID STEEL FRAMING. COORDINATE WITH KITCHEN EQUIPMENT DRAWINGS FOR EXACT LOCATION AND CONNECTION REQUIREMENTS.

209 KITCHEN HOODS SHALL BE ACTIVATED BY HEAT SENSORS. ALL LINE VOLTAGE EQUIPMENT, LIGHTING, AND RECEPTACLES BELOW HOOD SHALL BE DEACTIVATED UPON ANSUL ACTIVATION VIA CONTACTORS PROVIDED BY CONTRACTOR. REFER TO DETAIL A5/E5.2. HOOD SENSOR PROVIDED BY OWNER

211 INSTALL RACO #294 4" OCTAGON BOX MOUNTED FLUSH IN WALL 48" ABOVE FINISHED FLOOR WITH 1/2" CONDUIT ROUTED TO ABOVE CEILING WITH PULLWIRE FOR ANSUL PULLSTATION.

212 STUB UP 3/4" PVC 88" ABOVE FINISHED FLOOR FOR DRIVE-THRU COMMUNICATION DATA TO DRIVE THRU HEADSET SYSTEM. RE:

214 REFER TO KITCHEN EQUIPMENT SUPPLIER FOR TIME CLOCK AND LOCAL DISCONNECTING MEANS IN FREEZER/COOLER. 215 PRE-WIRED KITCHEN ELECTRICAL PANELS FURNISHED BY EQUIPMENT SUPPLIER. ACTUAL LOCATION DETERMINED BY EQUIPMENT SUPPLIER AND SHOWN FOR REFERENCE ONLY.

INSTALLATION/CONNECTION REQUIREMENTS. 218 PROVIDE POWER FOR FREEZER DOOR HEAT TRACE. REFER TO

REFER TO KITCHEN EQUIPMENT SUPPLIER FOR ALL

MANUFACTURER FOR REQUIREMENTS. 225 PROVIDE POWER TO MONITOR AND COOKLINE POWER POLES RE: DETAIL A3/E5.2

226 ALL CASH REGISTERS SHALL HAVE SEPARATE ISOLATED GROUND WIRES TO THE PANELBOARD, ELECTRICAL CONTRACTOR SHALL PROVIDE HUBBELL #4700 DRIG RECEPTACLES. COVER PLATE SHALL BE TYPE '302', STAINLESS STEEL.

227 PROVIDE (1) 4X4 PULL BOX @ 24" A.F.F., WITH (1) 2" PVC CONDUIT FOR CONNECTION TO POINT OF SALE LOCATIONS.

228 SILICONE SEAL ALL CONDUIT PENETRATIONS ABOVE AND BELOW, INSIDE AND OUT AT WALK-INS TO CONTROL CONDENSATION (TYPICAL).

229 CONDUIT UNDERGROUND FROM MAIN DISTRIBUTION PANEL (MDP) TO MAIN COOK LINE FOR POWER TO KITCHEN PANELS (TYPICAL OF 4). REFER TO A2/E5.1 FOR FEEDER SIZES.

230 PROVIDE 3/4" CONDUIT FOR POWER TO ANSUL FIRE SUPPRESSION SYSTEM, REFER TO K PANELS (TYPICAL OF 2).

231 J-BOX FOR POWER CONNECTION TO HOOD TIMER. REFER TO KITCHEN EQUIPMENT VENDOR FOR INSTALLATION REQUIREMENTS. 234 FRYER AUTOMAN ANSUL CONTACTOR ENCLOSURE MOUNTED

HIGH ON WALL BELOW CEILING. 235 ANSUL AUTOMAN MOUNTED ON WALL BELOW CEILING AS HIGH AS

243 CONNECT FRYER TO ANSUL FIRE SUPPRESSION SYSTEM. RE: MECH DWG

SECURITY.

252 PROVIDE WP WALL MOUNTED JUNCTION +8" A.F.F. BOX FOR



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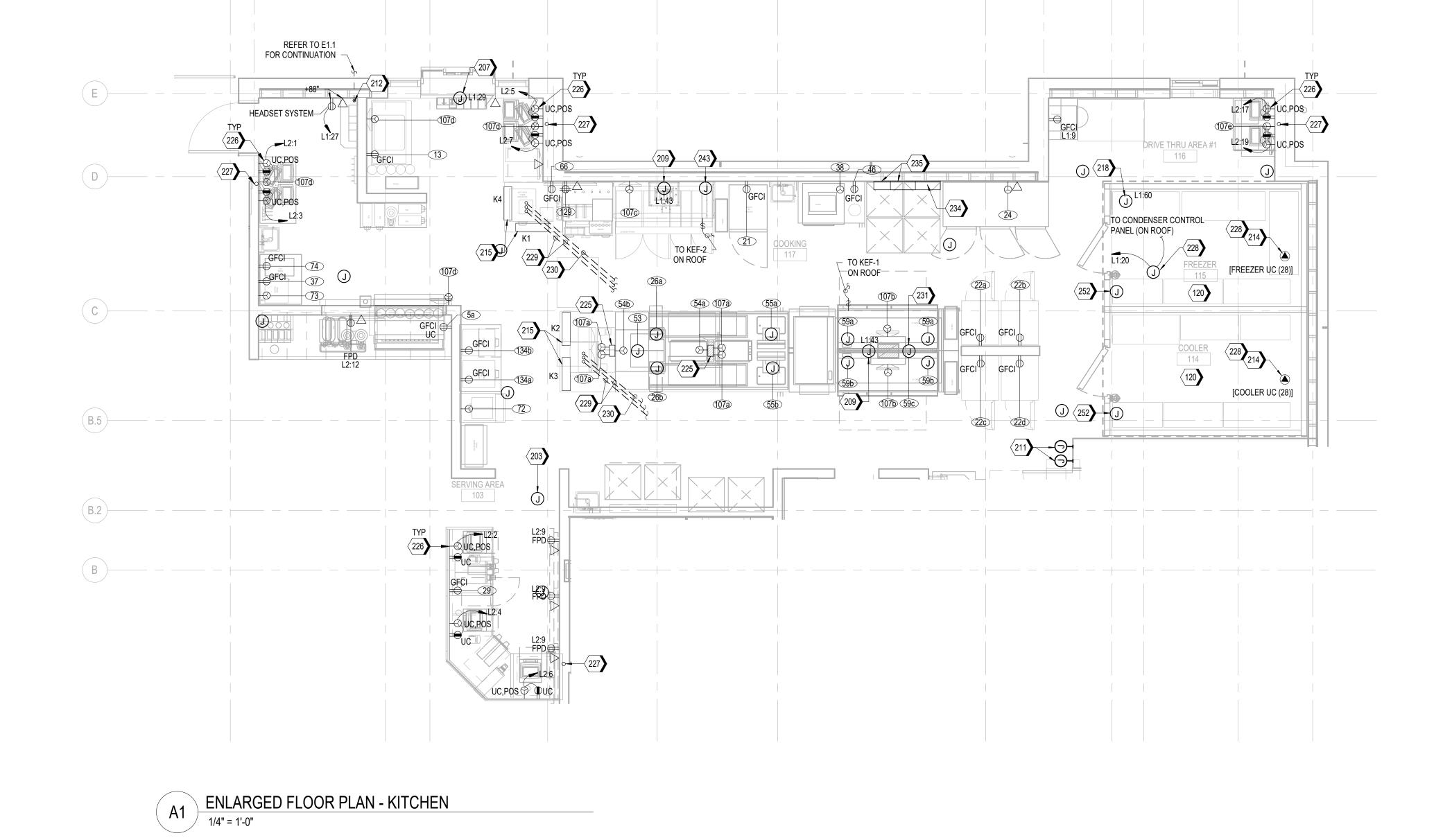
62-40497 - 21 Project No.:

Client Project No.:

Drawing Title: **ELECTRICAL ENLARGED PLANS**

Date: 06.29.2022 Phase: PERMIT SET

Designed: JPF Drawn: JPF Checked: KFF Drawing No.: E4.1



SWITCH 'a'

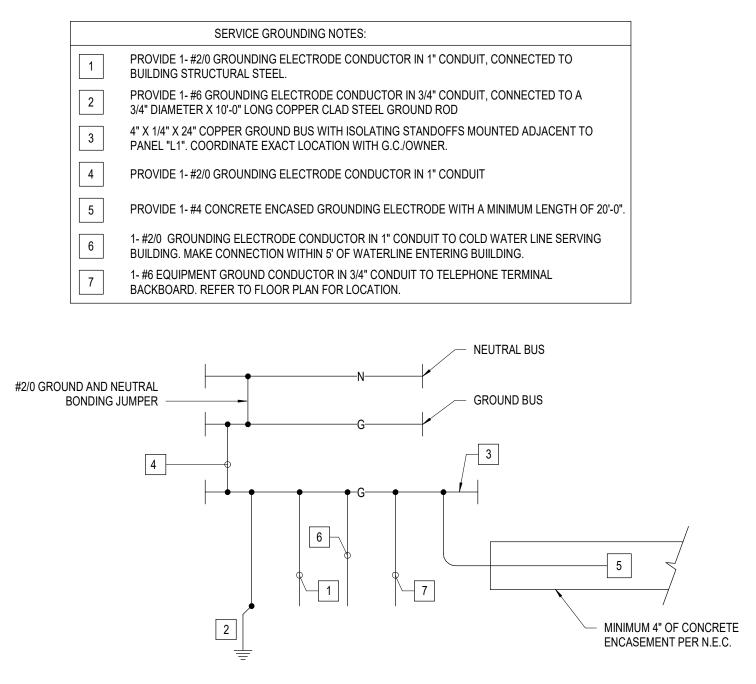
SWITCH 'b'

SWITCH 'c'

SWITCH 'd'

LIGHT FIXTURES

(DINING)





- ALL WIRING SHALL BE COPPER WITH 'THWN' INSULATION RATED AT 75° C UNLESS OTHERWISE NOTED.
- B. PROVIDE 3/4" CONDUIT BELOW ROOF FOR CONTROL WIRING TO RTU. ROUTE THROUGH ROOF WITHIN UNIT CURB.
- ALUMINUM SERVICE LATERAL FEEDERS SHALL BE PROVIDED

WITH COMPRESSION CONNECTIONS UPON APPROVAL WITH

- PROVIDE ALL REQUIRED ELECTRICAL PANEL LABELING/MARKINGS AS REQUIRED BY THE 2014 NEC, SEC. 110.21-110.24. THE MARKING SHALL ADEQUATELY WARN OF THE HAZARD USING EFFECTIVE WORDS AND/OR COLORS AND/OR SYMBOLS. THE LABEL SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN. THE LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. THE LABEL SHALL ALSO BE SIZED ACCORDINGLY SO THE TEXT IS LEGIBLE WITH SUITABLE FONT SIZES ACCORDING TO ANSI Z535. 4-2011.
- ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE NEC AS WELL AS ALL APPLICABLE FEDERAL STATE, AND LOCAL REQUIREMENTS. WHERE CONFLICTS ARISE, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

KEYNOTES

- 601 FURNISED BY KITCHEN EQUIPMENT SUPPLIER. CIRCUITS ARE PREWIRED TO EQUIPMENT, FEEDERS BY CONTRACTOR. 602 GROUNDING SHALL BE PER NEC. FURNISH AND INSTALL 3/4"X10'-0' GROUND ROD AT A CONCRETE ENCASED ELECTRODE. CONNECT THE BUILDING SERVICE GROUND TO THE GROUND ROD, ENCASED ELECTRODE AND DOMESTIC COLD WATER PIPING WITH BARE #3/0
- 607 4#4/0, #4 GND, IN 2-1/2"C.
- 608 3#6, #10 GND, IN 1"C.
- 609 4#3, #8 GND, IN 1-1/2"C.
- 610 PROVIDE ISOLATION TRANSFORMER. SUSPEND TRANSFORMER FROM STRUCTURE. REFER TO DETAIL B1/E5.2.

COPPER CONDUCTOR. BONDING SHALL BE PER NEC. REFER TO

- 612 #8 GROUNDING ELECTRODE CONDUCTOR.GROUND TO BUILDING STEEL.
- 614 PROVIDE 240 KA SURGE PROTECTIVE DEVICE.
- 616 (3 SETS) 4-300 kCMIL, #1/0 GND, IN EACH 3"C.
- 617 BMS-LIGHTING CONTROL PANEL TO BE FURNISHED BY OWNER AND INSTALLED BY BMS CONTRACTOR. ALL EXTERIOR LIGHTING AND SIGNAGE SHALL BE WIRED VIA BMS-LIGHTING CONTROL PANEL. FIELD COORDINATE EXACT REQUIREMENTS WITH WHATABURGER CM.
- 618 4#3/0, #6 GND, IN 2"C.
- 619 4#1, #6 GND, IN 1-1/2"C. 620 PROVIDE SQUARE D PANELBOARDS OR APPROVED ALTERNATE FOR PANELS MDP, L1, AND L2. MDP:32"X 9.5"; L1:20"X 5.75"; L2:20"X
- 622 PROVIDE WIRE GUTTER ABOVE PANELBOARDS AND FLUSH AGAINST CEILING STRUCTURE FOR ROUTING OF CIRCUITS TO ABOVE CEILING. FIELD VERIFY WIDTH AND LENGTH OF GUTTER.



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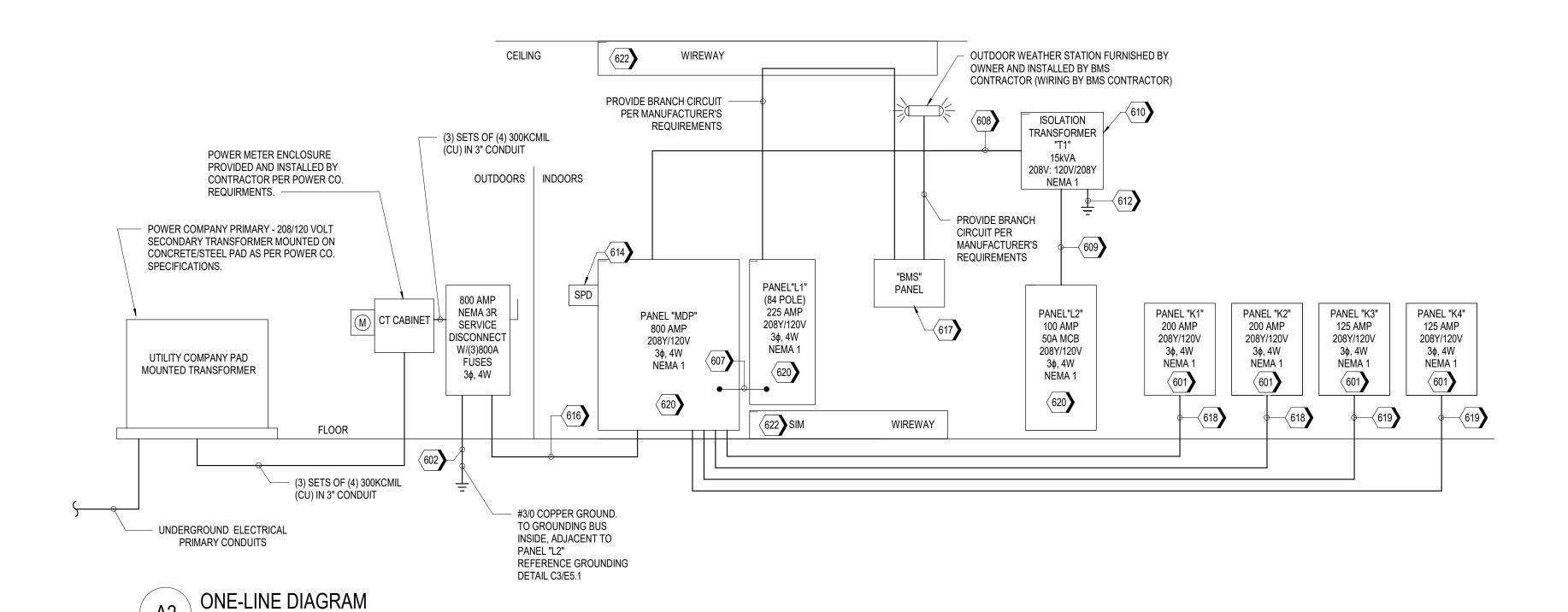
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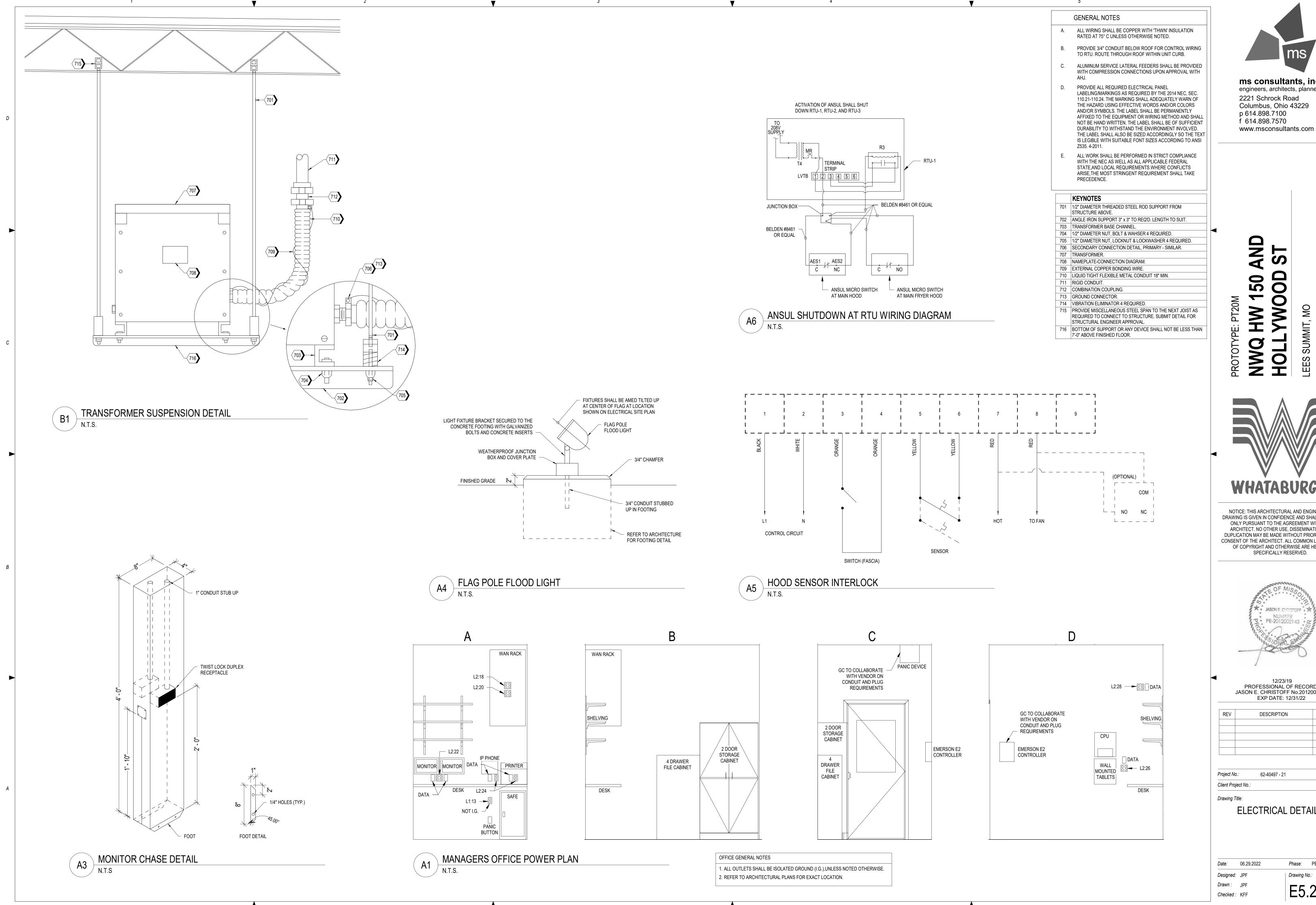
ELECTRICAL DIAGRAMS

Phase: PERMIT SET Date: 06.29.2022 Designed: JPF Drawing No.:

Drawn: JPF Checked: KFF E5.1

SERVICE ENTRANCE GROUNDING DETAIL







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62-40497 - 21

ELECTRICAL DETAILS

Phase: PERMIT SET Drawing No.:

RTU1 Kitchen

MultiFlex88AO #1

Part #810-3063

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OUT1 OUT2 OUT3 OUT4 OUT5 OUT6 OUT7 OUT8

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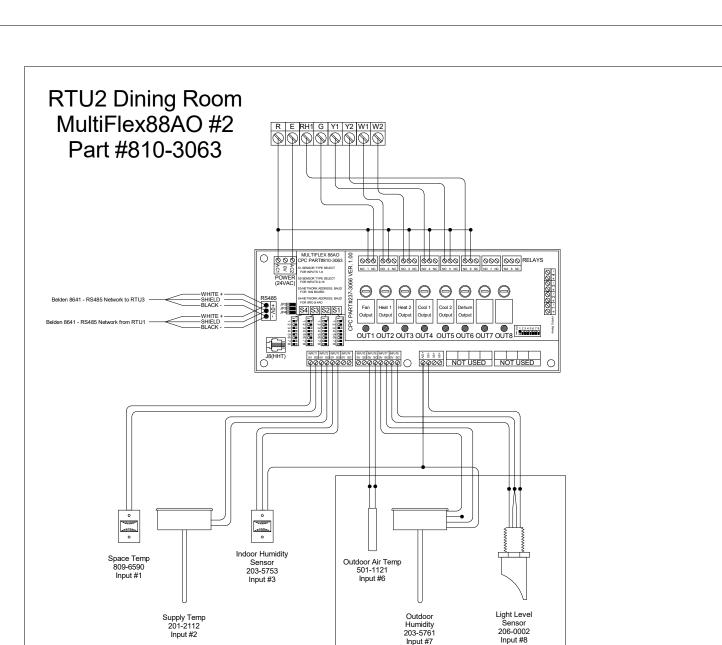
Belden 8641 - RS485 Network to RTU2

—WHITE + SHIELD BLACK - -

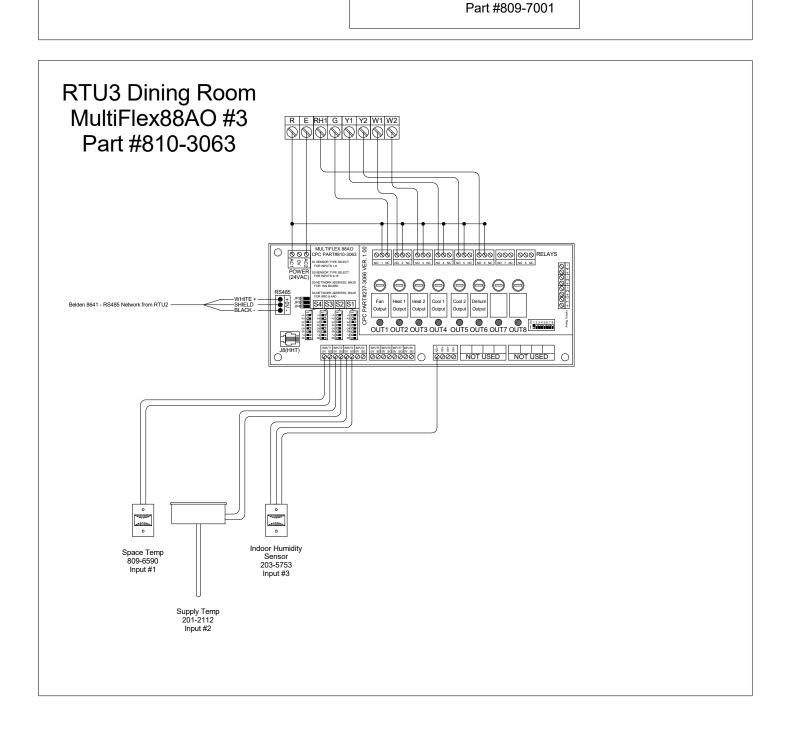
Space Temp 809-6590 Input #1

CONTROL SYSTEM DIAGRAM

CPC Lighting Relay Panel



CPC E2 Controller



WeatherStation

LEGEND WALL MOUNTED SPACE TEMP SENSOR (809-6590) DISCHARGE AIR TEMP SENSOR - 12" INSERTION PROBE W/ HANDY BOX (201-2112) RETURN AIR TEMP SENSOR- 12" INSERTION PROBE W/ HANDY BOX (201-2112) RETURN AIR HUMIDITY TRANSDUCER (203-5771) "BULLET" TYPE TEMP SENSOR W/ 10' GREEN LEADS AND "QUICK CONNECT" MOLEX PLUG (501-1134) OUTDOOR LIGHT LEVEL TRANSDUCER (206-0002) (INSTALLED ON WEATHER STATION BACK-PLATE) OUTDOOR AIR HUMIDITY TRANSDUCER (203-5761) (INSTALLED ON WEATHER STATION BACK-PLATE) "BULLET" TYPE OUTDOOR AIR TEMP SENSOR (501-1121) (INSTALLED ON WEATHER STATION BACK-PLATE) E2 CONTROLLER. MOUNTED FLUSH IN THE MANAGER'S OFFICE AT 5' AFF TO CENTER. INDOOR TEMPERATURE AND HUMDITY SENSOR. REFER TO MECH PLANS FOR EXACT LOCATION. "BMS-x-y" DENOTES THE I/O POINT DESCRIPTION FOR THE SENSOR, WHERE "X" IS THE CONTROLLER ADDRESS AND "Y" IS THE POINT

	BMS KEYED NOTES
1>	USE BELDEN 8641 OR EQUIVALENT (24GA - 2COND - SHIELDED).
2	USE BELDEN 8771 OR EQUIVALENT (22GA - 3COND - SHIELDED).
3	USE BELDEN CABLE OR EQUIVALENT (18GA - 8COND).
4	NOT USED.
5	MOUNT IN SUPPLY AIR RISER NO MORE THAN 6 FEET FROM HVAC UNIT.
6	NOT USED.
\(\frac{1}{7} \)	MOUNT "WEATHER STATION" BACK-PLATE TO A SECTION OF 1-1/4" EMT APPROXIMATELY 6 FEET ABOVE ROOF TO CLEAR PARAPET. "WEATHER STATION" BACK-PLATE <u>MUST</u> FACE TRUE NORTH.
8	ENSURE PROPER POLARITY ON HUMIDITY AND LIGHT LEVEL SENSORS.
9	DRILL 1/4" HOLE THROUGH CEILING OF WALK IN DIRECTLY HALFWAY BETWEEN THE EVAPORATOR AND THE WALL AND CENTERED ON THE EVAPORATOR. PUSH SENSOR TIP DOWN THROUGH HOLE FROM ABOVE AND SECURE SENSOR USING 2 SELF TAPPING SHEET METAL SCREWS.
10	CUT THE 335-2300 TEMP SENSOR EXTENSION CABLE IN HALF AND ATTACH THE FEMALE END TO THE BELDEN 8641. FEED THE CABLE THROUGH A 1/2" STRAIN RELIEF CONNECTOR SIMILAR TO THE TYPE USED FOR "SO" AND "SJ" CORD TO PREVENT DAMAGE TO THE CABLE.
11	INSTALL THE 501-1134 10' GREEN TEMP SENSOR ON THE DISCHARGE SIDE OF THE EVAPORATOR IN THE 3 DOOR SELF CONTAINED COOLER, ADJACENT TO THE TEMP PROBE FOR THE UNIT'S ELECTRONIC THERMOSTAT.
12	SURFACE MOUNT E2 CONTROLLER IN THE MANAGER'S OFFICE.
(13)	INSTALL THE "ONBOARD I/O" CARD (603-0500) IN THE E2 PER THE ENCLOSED INSTRUCTIONS.
(14)	NOT USED.
15>	RETURN AIR SENSOR SHALL BE LOCATED BEHIND THE EVAPORATOR IN THE PATH OF THE RETURN AIR FLOW.

ALL CONTROL SYSTEM COMPONENTS INCLUDING SENSORS, CONTROLLERS AND SOFTWARE ARE FURNISHED BY WHATABURGER. CONTRACTOR (OR DESIGNATED SUB) SHALL PROVIDE ALL CONDUIT AND POWER/CONTROL WIRING REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM AS DESCRIBED BY E5.1 AND RELATED NOTES & SCHEDULES. HVAC UNITS ARE PROVIDED WITH AUDIO-VISUAL ALARMS AS DESCRIBED IN MECHANICAL PLANS.

CONTROL SETPOINTS

TEMPERATURE AND HUMIDITY CONTROL COOLING/HEATING DINING: 74°F DB, 55% RH / 72°F DB

COOLING/HEATING KITCHEN: 74°F DB, 55% RH / 70°F DB DEADBAND: +/- 5°F

COOLING/HEATING SETBACK: 85°F / 60°F DB (SET-BACK 1-HR PRIOR TO OCCUPANCY IS ADJUSTED TO 80°F / 65°F DB).

ECONOMIZER WILL UTILIZE DIFFERENTIAL ENTHALPY CONTROL. ECONOMIZERS ARE CONTROLLED BY THE PRODIGY CONTROLLER ON THE LENNOX UNITS.

T) BMS-2-6 (1) 7 WALK-IN FREEZER R/A SMOKE DETECTORS FACTORY INSTALLED IN OH) BMS-2-7 (2) 7 8 BMS-1-7 RA 1 9 15 BMS-2-8 (2) 7 (8) - HVAC UNITS 5 1 DA BMS-1-2 WEATHERSTATION WALK-IN COOLER BACKPLATE <u>KEF-1</u> (809-7001) RA 1 9 15 BMŠ-3-1-BMS-3-3-KEF-2 BMS-1-1— 8 2 BMS LIGHTING RELAY PANEL

CONTROL SYSTEM FLOOR PLAN

ms consultants, inc. engineers, architects, planners 2221 Schrock Road

Columbus, Ohio 43229 p 614.898.7100 f 614.898.7570 www.msconsultants.com

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NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



01/06/21 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

DESCRIPTION	DATE
	DESCRIPTION

Project No.: 62-40497 - 21 Client Project No.:

Drawing Title:

CONTROL SYSTEMS PLAN

Phase: PERMIT SET 06.29.2022 Date: Designed: JPF Drawing No.:

Drawn: JPF Checked: KFF

E5.3

	EM	COLE	L215				
	F	TARGETTI	DL-1				
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	TAG	(AMP/VOLTAGE/POLE/					
		DISCO	NNFC				
	COOLER CU (28)		P/NF/				
	COOLER UC (28)	30A/1	P/NF/				
	EF-1		-				
	EWH-1		3P/NF				
	FREEZER CU (28)		P/NF/				
	FREEZER UC (28)	30A/2	P/NF/				
	KEF-1		-				
	KEF-2		-				
	RTU-1		-				
	RTU-2		-				
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	UH-1	30A/	2P/NF				
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			LIGHTING FIXTURE SCHEDULE						
PE MANUF	JFACTURER	MODEL	DESCRIPTION	LAMP	VOLTAGE	LUMENS	WATTS	MOUNTING	COMMENTS
A LIT	THONIA	2GTL 2 20L GZ10 LP840	2'X2' RECESSED TROFFER (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	2366	18	CEILING	
2 LIT	THONIA	2GTL 2 48L GZ10 LP840 ABC	GASKETED 2'X2' RECESSED TROFFER (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	5112	42	CEILING	
2E LIT	THONIA	2GTL 2 48L GZ10 LP840 E10WLCP ABC	GASKETED 2'X2' RECESSED TROFFER WITH 90 MINUTE BATTERY PACK (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	5112	42	CEILING	
E LIT	THONIA	2GTL 2 20L GZ10 LP840 E10WLCP	2'X2' RECESSED TROFFER WITH 90 MINUTE BATTERY PACK (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	2366	18	CEILING	
3 LIT	THONIA	LDN4SQ 40/10 LS4AR LSS MVOLT GZ10	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	877	11	CEILING	
1 LIT	THONIA	LDN4SQ 40/15 LS4AR LSS MVOLT GZ10	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	1268	18	CEILING	
1E LIT	THONIA	LDN4SQ 40/15 LS4AR LSS MVOLT GZ10 E10WCP	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR WITH 90 MINUTE BATTERY PACK (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	1268	18	CEILING	
E LIT	THONIA	LDN4SQ 40/10 LS4AR LSS MVOLT GZ10 E10WCP	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR WITH 90 MINUTE BATTERY PACK (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	877	11	CEILING	
E LIT	THONIA	CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI E10WLCP	48" INDUSTRIAL STRIP WITH 90MIN BATTERY BACKUP (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	2101	16	SURFACE	
O N	MARK	SL4L LOP 4FT FLP TG 80CRI 40K 600LMF MIN1 120 ZT	4' LINEAR RECESSED SLOT (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	2227	24	CEILING	
)1 N	MARK	SL4L OPP [LENGTH] FLP FL 80CRI 40K 600LMF MIN1 120 ZT (90DEG CORNERS)	LINEAR RECESSED SLOT, LENGTH AS INDICATED ON DRAWINGS (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	600/FT		CEILING	6 WATTS PER LINEAR FOOT
2 N	MARK	SL4L LOP 9FT FLP FL 80CRI 40K 600LMF MIN1 120 ZT	LINEAR RECESSED SLOT, LENGTH AS INDICATED ON DRAWINGS (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	600/FT	54	CEILING	6 WATTS PER LINEAR FOOT
3 N	MARK	SL4L LOP 11FT FLP FL 80CRI 40K 600LMF MIN1 120 ZT	LINEAR RECESSED SLOT, LENGTH AS INDICATED ON DRAWINGS (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	600/FT	66	CEILING	6 WATTS PER LINEAR FOOT
И С	COLE	L2156W-HO-2-J-B-EM	EMERGENCY STEP LIGHT WITH 90 MIN BATTERY BACKUP	LED	120 V	1290	22	WALL	WIRE AS EM LIGHT ONLY
TAF	ARGETTI	DL-120-A-35K-SC-B / DL120-JCVR65 / PRAP-U / KTPRU-CL	FLEXIBLE LINEAR LIGHT STRIP FOR CONTINUOUS CONSTANT COLOR (3500K COLOR TEMPERATURE)	LED	120 V	390/FT		SURFACE	4 WATTS PER LINEAR FOOT
KA	KASON	KASON 481-C (FIXTURE PROVIDED BY WALK-IN SUPPLIER)	VAPOR TIGHT LED FIXURE	LED	120 V		36	SURFACE	
-2	CHLITE	CTL-N-20L-T220.000 LUMEN TYPE 3 LED	POLE MOUNTED SITE LIGHTING (4100K COLOR TEMPERATURE)	LED	208 V	35000	150	POLE	FIXTURE MOUNTED AT 27'-6"
-3 TEC	CHLITE	CTL-N-20L-T220,000 LUMEN TYPE 3 LED CTL-N-35L-T335,000 LUMEN TYPE 3 LED	POLE MOUNTED SITE LIGHTING (4100K COLOR TEMPERATURE)	LED	208 V	35000	207	POLE	FIXTURE MOUNTED AT 27'-6"
SS TEC	CHLITE	CTL-N-35L-T3-S21530,000 LUMEN TYPE 3 LED	POLE MOUNTED SITE LIGHTING (4100K COLOR TEMPERATURE)	LED	208 V	35000	207	POLE	FIXTURE MOUNTED AT 27'-6"
4STUTE	CHLITE	CTL-N-30L-13-32-13-30,000 LOIMEN TIFE 3 LLD	CTL-N-20L-T420,000 LUMEN TYPE 4 LED - POLE MOUNTED SITE LIGHTING	LED	208 V	40000	150	POLE	FIXTURE MOUNTED AT 27'-6"
5-3 TEC	CHLITE	CTL-N-35L-T5W35,000 LUMEN TYPE 5 LED	POLE MOUNTED SITE LIGHTING (4100K COLOR TEMPERATURE)	LED	208 V	35000	882	POLE	FIXTURE MOUNTED AT 27'-6"
2 B	BEGA	99 777 SLV / 84/623 SLV	LED BOLLARD. (4000K COLOR TEMPERATURE)	LED	120 V	768	34	BOLLARD	
3 LIT	THONIA	DSXW1 10C 530 40K T3M MVOLT DDBXD	FAÇADE EXTERIOR WALL PACK. (4000K COLOR TEMPERATURE)	LED	120 V	2010	19	WALL	WALL MOUNTED 12'-0" ABOVE GRADE
LIT	THONIA	TWX1 LED P2 40K MVOLT DDBXD	ROOFTOP MAINTENANCE LIGHT LOCATED BEHIND RTU SCREEN WALL(4000K COLOR TEMPERATURE)	LED	120 V	2950	22	WALL	TOP OF FIXTURE, WALL MOUNTED 1'-0" BELOW SCREEN WALL
i LIT	THONIA	OLBF 8 30K DDB	LED FLAG POLE BULLET FLOOD LIGHT (3000K COLOR TEMPERATURE)	LED	120 V	592	11	FLOOD	
LIT	THONIA	LDN4SQ 40/15 LS4AR LSS MVOLT GZ10	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR (4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	1516	18	CEILING	
E LIT	THONIA	LDN4SQ 40/15 LS4AR LSS MVOLT GZ10	4" RECESSED SQUARE LED DOWNLIGHT CLEAR, SEMI-SPECULAR REFLECTOR WITH 90 MINUTE REMOTE BATTERY PACK(4000K COLOR TEMPERATURE, 80 CRI)	LED	120 V	1516	18	CEILING	REMOTE BATTERY PACK PS1055CPFMC
(LIT	THONIA	LRP 1 RC 120/277 EL N	EXIT SIGN	LED	120 V	5	2	CEILING	

TAG	DISCONNECT RATING (AMP/VOLTAGE/POLE/FUSE/NEMA RAITING)	HP	kW	FLA	STARTER TYPE	VOLTAGE/POLES	LOAD	CIRCUIT NUMBER	WIRE & CONDUIT	COMMENTS
COOLER CU (28)	30A/2P/NF/NEMA 3R	1	-	15	-	208 V/2	3120 VA	MDP-36,38	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS
COOLER UC (28)	30A/1P/NF/NEMA 3R	-	-	1.6	-	120 V/1	192 VA	L1-46	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS
EF-1	-	1/8	-	-	-	120 V/1	400 VA	L1-4	2#12, #12 GND IN 3/4"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
EWH-1	60A/3P/NF/NEMA 1			41.6		208 V/3	14987 VA	MDP-20,22,24	3#6, #10 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS
FREEZER CU (28)	60A/2P/NF/NEMA 3R	3	-	25	-	208 V/2	5200 VA	MDP-32,34	2#8, #10 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS
FREEZER UC (28)	30A/2P/NF/NEMA 3R	-	-	9.8	-	208 V/2	2038 VA	L1-53,55	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS
KEF-1	-	-	-	11.6	-	208 V/2	2413 VA	MDP-37,39	2#12, #12 GND IN 3/4"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
KEF-2	-	-	-	6.5	-	208 V/2	1352 VA	MDP-41,43	2#12, #12 GND IN 3/4"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
RTU-1	-	5	-	146	-	208 V/3	67869 VA	MDP-31,33,35	3#1/0, #6 GND IN 1-1/2"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
RTU-2	-	3	-	92	-	208 V/3	61371 VA	MDP-25,27,29	3#3, #8 GND IN 1"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
RTU-3	-	3	-	92	-	208 V/3	61371 VA	MDP-19,21,23	3#3, #8 GND IN 1"C	INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER
UH-1	30A/2P/NF/NEMA 1	-	1.5	-	-	208 V/2	1500 VA	MDP-40,42	2#12, #12 GND IN 3/4"C	REFER TO EQUIPMENT MANUFACTURER FOR ALL INSTALLATION/CONNECTION REQUIREMENTS

		DISC. MEAN / MOUNTING								
	DESCRIPTION	HEIGHT	HP	kW	FLA	VOLTAGE/POLES	LOAD 960 VA	CIRCUIT NUMBER	WIRE & CONDUIT	UNDER COUNTER COMMENTS
	DUAL SIDED DRINK DISPENSER DRIVE THRU DRINK DISPENSER	5-20R / - 5-20R / 24"	-	-	-	120 V/1 120 V/1	960 VA 624 VA	L1-25 L1-17	2#12, #12 GND IN 3/4"C 2#12, #12 GND IN 3/4"C	UNDER COUNTER
	ICE MANAGER	5-20R / 96	_		5	120 V/1	600 VA	L1-17	2#12, #12 GND IN 3/4"C	
	ICE MAKER EVAPORATOR UNIT	5-20R / 66"	-	-	6	120 V/1	720 VA	L1-73	2#12, #12 GND IN 3/4"C	
	ICE MAKER EVAPORATOR UNIT	5-20R / 66"	-	-	6	120 V/1	720 VA	L1-77	2#12, #12 GND IN 3/4"C	
	ICE MAKER CONDENSING UNIT	30A/3P/NF/NEMA 3R / -	-	-	14	208 V/3	5044 VA	MDP-50,52,54	3#10, #10 GND IN 3/4"C	30A/3P/NF/NEMA 3R
	ICE MAKER CONDENSING UNIT	30A/3P/NF/NEMA 3R / -	-	-	14	208 V/3	5044 VA	MDP-44,46,48	3#10, #10 GND IN 3/4"C	30A/3P/NF/NEMA 3R
	MULTIPLEX REFRIGERATION UNIT	30A/3P/NF/NEMA 1 / 72"	-	-	25.2	208 V/3	9079 VA	L1-79,81,83	3#10, #10 GND IN 3/4"C	COA/ODINICINICAA OD
	MULTIPLEX CONDENSER UNIT	30A/2P/NF/NEMA 3R / -	-	-	1.3	208 V/2 120 V/1	270 VA	MDP-45,47	2#12, #12 GND IN 3/4"C	30A/2P/NF/NEMA 3R
	BEVERAGE PUMP REACH IN FREEZER	5-20R / 60" 5-20R / 76"	1/2	-	11.3	120 V/1	720 VA 1040 VA	L1-61 L1-26	2#12, #12 GND IN 3/4"C 2#12, #12 GND IN 3/4"C	+60"
	REACH IN REFRIGERATOR	5-20R / 76"	1/3		8.5	120 V/1	644 VA	L1-70	2#12, #12 GND IN 3/4"C	
	REACH IN REFRIGERATOR	5-20R / 76"	1/3	-	8.5	120 V/1	644 VA	L1-16	2#12, #12 GND IN 3/4"C	
	REACH IN REFRIGERATOR	5-20R / 76"	1/3	-	8.5	120 V/1	644 VA	L1-66	2#12, #12 GND IN 3/4"C	
	REACH IN REFRIGERATOR	5-20R / 76"	1/3	-	8.5	120 V/1	644 VA	L1-68	2#12, #12 GND IN 3/4"C	
	SUPER COOLER	L14-20R / 76"	1	-	11	208 V/2	1830 VA	L1-42,44	2#12, #12 GND IN 3/4"C	
	UNDER COUNTER REFRIGERATOR	-1-	1/6	-	4	120 V/1	480 VA	K2-25	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	UNDER COUNTER REFRIGERATOR	- / - 5-20R /	1/6	-	4	120 V/1 120 V/1	480 VA 480 VA	K2-19 L1-8	- 2#12. #12 GND IN 3/4"C	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	UNDER COUNTER REFRIGERATOR PITCO FRYER	5-20R / 6-50R / -	1/6	-	39.7	120 V/1 208 V/2	480 VA 8258 VA	L1-8 K1-1,3	2#12, #12 GND IN 3/4 C	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	PITCO FRYER	6-50R / -	-		39.7	208 V/2	8258 VA	K1-1,3	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	PITCO FRYER	15-60R / -	-	-	54.6	208 V/3	19670 VA	K4-1,3,5	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	PITCO FRYER	15-60R / -	-	-	47.2	208 V/3	17004 VA	K4-2,4,6	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	FOOD WARMER	-1-	-	-	12	120 V/1	1440 VA	K1-7	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	FOOD WARMER	-1-	-	-	8.5	120 V/1	1032 VA	K1-11	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	FOIL HEATER	-/-	-	-	2	120 V/1	240 VA	K1-8	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	COMPACT FREEZER UNDER COUNTER REFRIGERATOR	5-20R / - 5-20R / -	-	-	3.5	120 V/1 120 V/1	960 VA 420 VA	K1-17 K1-19	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER. PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	PITCO FRYER	5-20R / - 15-60R / -	-	-	54.6	208 V/3	19670 VA	K1-19 K1-14,16,18	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER. PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	MICROWAVE	5-20R / 24"	-	1.6	14	120 V/1	19070 VA	L1-34	2#12, #12 GND IN 3/4"C	TREWINES STRITOFIER EQUITIVIER INFINITIONER.
	HALF-SIZED CONVECTION OVEN	15-30R / -	-	7.8	22.1	208 V/3	7800 VA	L1-72,74,76	3#10, #10 GND IN 3/4"C	
	GRAVY WARMER	5-20R / 24"	-	-	10	120 V/1	1200 VA	L1-36	2#12, #12 GND IN 3/4"C	
	HOT FOOD WELL	5-20R / -	-	-	5	120 V/1	600 VA	K2-11	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	HEATED TOP	5-20R / -	-	-	7.2	120 V/1	864 VA	K2-1	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	HOT FOOD WELL	5-20R / -	-	-	5	120 V/1	600 VA	K2-13	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	COLD RAIL DUKE WARMING BIN	5-20R / - L6-15R / -	-	1.8	8.7	120 V/1 208 V/2	960 VA 1810 VA	K2-29 K2-7,9	- 2#12, #12 GND IN 3/4"C	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	DUKE WARMING BIN	L6-15R / - L6-15R / -	-	1.8	8.7	208 V/2 208 V/2	1810 VA 1810 VA	K2-7,9 K2-15,17	2#12, #12 GND IN 3/4 C 2#12, #12 GND IN 3/4"C	
	BUN TOASTER	-/-	-	-	16	208 V/2	3328 VA	K2-13,17		PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	BUN TOASTER	-/-	-	-	16	208 V/2	3328 VA	K2-6,8	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
_	6' GRILL	-1-	-	-	50	208 V/3	18013 VA	K2-14,16,18	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	6' GRILL	-1-	-	-	50	208 V/3	18013 VA	K2-20,22,24	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	6' GRILL	-/-	-	-	50	208 V/3	18013 VA	K3-1,3,5	-	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	6' GRILL	-/-	-	-	50	208 V/3	18013 VA	K3-2,4,6	- 01140 1140 0215 111 0417	PREWIRED BY KITCHEN EQUIPMENT MANUFACTURER.
	GRILL TIMERS	-/- 5.20D./42"	-	-	-	120 V/1	180 VA	L1-59	2#12, #12 GND IN 3/4"C	
	PIE CABINET SHAKE MACHINE	5-20R / 42" 6-20R / 24"	-	-	13	120 V/1 208 V/2	504 VA 2704 VA	L1-32 L1-49,51	2#12, #12 GND IN 3/4"C 2#12, #12 GND IN 3/4"C	
	COFFEE BREWER	6-20R / 24 L14-30R / 24"	-	5.1	- 13	208 V/2 208 V/2	5100 VA	L1-49,51 L1-56,58	2#10, #10 GND IN 3/4"C	
	TEA BREWER	5-20R / 24"	-	1.65	-	120 V/1	1650 VA	L1-33	2#10, #10 GND IN 3/4 C	
	MOBILE GREASE CADDY	5-20R / -	1/4		5.8	120 V/1	696 VA	L1-19	2#12, #12 GND IN 3/4"C	
	GREASE TANK	5-20R / 66"	-	-	-	120 V/1	500 VA	L1-64	2#12, #12 GND IN 3/4"C	
		HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-10	2#12, #12 GND IN 3/4"C	
		HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-10	2#12, #12 GND IN 3/4"C	
		HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-10	2#12, #12 GND IN 3/4"C	
	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-10	2#12, #12 GND IN 3/4"C	
	FLAT SCREEN MONITOR FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / - HUBBELL IG4700A DRIG / -	-	-	-	120 V/1 120 V/1	180 VA 180 VA	L2-14 L2-14	2#12, #12 GND IN 3/4"C 2#12, #12 GND IN 3/4"C	
		HUBBELL IG4700A DRIG / -	-	-	-	120 V/1 120 V/1	180 VA 180 VA	L2-14 L2-13	2#12, #12 GND IN 3/4"C 2#12, #12 GND IN 3/4"C	
		HUBBELL IG4700A DRIG / -	-		-	120 V/1	180 VA	L2-13 L2-15	2#12, #12 GND IN 3/4 C	
		HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-15	2#12, #12 GND IN 3/4"C	
		HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-15	2#12, #12 GND IN 3/4"C	
	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-15	2#12, #12 GND IN 3/4"C	
	FLAT SCREEN MONITOR	HUBBELL IG4700A DRIG / -	-	-	-	120 V/1	180 VA	L2-21	2#12, #12 GND IN 3/4"C	
	FLAT SCREEN MONITOR	5-20R / 24"	-	-	-	120 V/1	180 VA	L2-13	2#12, #12 GND IN 3/4"C	
	WALL MOUNTED HOT HOLD	5-20R / 24"	-	-	13	120 V/1	1500 VA	L1-30	2#12, #12 GND IN 3/4"C	

LIGHTING SCHEDULE NOTE

ELECTRICAL CONTRACTOR BIDDERS MUST CONTACT CORPORATE ACCOUNTS @ ALA FOR ALL LIGHTING AND LIGHTING CONTROLS BIDS AT 214-658-9000, CORPORATEACCOUNTS@ALATX.COM WHATABURGER IS A REGISTERED NATIONAL ACCOUNT (NA) VIA ARCHITECTURAL LIGHTING ALLIANCE (ALA) AND HORTON CONTROLS GROUP (HCG).



ms consultants, inc. engineers, architects, planners

2221 Schrock Road Columbus, Ohio 43229 p 614.898.7100 f 614.898.7570 www.msconsultants.com

AND ST HW 150 / YWOOD

PROTOTYPE: PT20M NWQ HW YHOLLYWC



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11/25/19 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

08/03/22
-

Project No.: 62-40497 - 21 Client Project No.:

ELECTRICAL SCHEDULES

Phase: PERMIT SET Date: 06.29.2022 Designed: JPF Drawing No.:

Drawn: JPF Checked: KFF

1. PER NEC ARTICLE 220

	Pane	1: N	IDP)										
\$	Location: DRY STORAGE 111 Supply From: Mounting: SURFACE			Volts: 12 Phases: 3 Wires: 4	0/208 Wye			Mains Ty _l Bus Ratir		A.I.C. Rating: 65,000				
СКТ	Circuit Description	Trip	Poles			I	В	()	Poles			Description	СКТ
1	PANEL 'L1'	225 A	3	21786 VA	2700 VA					3	60 A	XFMR T1 (PANE	L 'L2')	2
3						20123	3420 VA	47004344	4000144					4
5	PANEL IICAI			40705 \ / 4	40005 \ / 4			17901 VA	1980 VA					6
7	PANEL 'K1'	200 A	3	12785 VA	18665 VA	4.404.4	45400			3		PANEL 'K2'		8
9						14814	15482	13278 VA	404071/4					10
11	PANEL 'K3'	 125 A	3	12000 \/A	12225 VA			13276 VA	16497 VA	3	 105 A	PANEL 'K4'		12 14
13 15	PAINEL NO	125 A		12009 VA	12223 VA	12009	12225			ى 	125 A	PAINEL N4		16
17		 				12009	12225	12009 VA	12225 \/Δ					18
19	RTU-3	175 A	3	20457 VA	4996 \/A			12003 VA	IZZZJ VA	3	60 A	EWH-1		20
21				20407 77	4000 V/ C	20457	4996 VA							22
23						20107	1000 171	20457 VA	4996 VA					24
25	RTU-2	175 A	3	20457 VA	1300 VA					3	30 A	TRASH COMPA	CTOR	26
27						20457	1300 VA							28
29								20457 VA	1300 VA					30
31	RTU-1	225 A	3	22623 VA	2600 VA					2	40 A	FREEZER COND	DENSER	32
33						22623	2600 VA							34
35								22623 VA	1560 VA	2	20 A	COOLER COND	ENSER	36
37	KEF-1	20 A	2	1206 VA	1560 VA									38
39						1206 VA	750 VA			2	20 A	UH-1		40
41	KEF-2	20 A	2					676 VA	750 VA					42
43				676 VA	1681 VA					3	25 A	ICE MAKER COI	NDENSING UNIT (14d)	
45	MULTIPLEX CONDENSER UNIT (17b)	20 A	2			135 VA	1681 VA							46
47								135 VA	1681 VA					48
49	BUSSED SPACE			0 VA	1681 VA	0.14	1001111			3	25 A	ICE MAKER COI	NDENSING UNIT (14c)	
51	BUSSED SPACE					0 VA	1681 VA	0.1/4	40041/4					52
53	BUSSED SPACE SPD	 60 A		180 VA	0 VA			0 VA	1681 VA			BUSSED SPACE	-	54 56
55 57	350		3	100 VA	UVA	180 VA	0 VA					BUSSED SPACE		58
59						100 VA	UVA	180 VA	0 VA			BUSSED SPACE		60
33			Load:	15958	R7 \/Δ	1561	1 36 VA	15038				DOGGED OF ACE	_	
I oad C	Classification	Total		nected Loa		esign Fa		Estimated				Panel	Totals	
HVAC	, addition			00176 VA		100.00%		200176				T dilei	Totalo	
	Equipment			18922 VA		65.00%		142299			To	otal Conn. Load:	Λ66106 \/Δ	
Lighting				8993 VA		125.00%		11241				al Est. Demand:		
	ontinuous			2130 VA		125.009		2663				Conn. Current:		
	ontinuous on-Continuous			15467 VA		125.009		15467		Tota		emand Current:		
Recept				9540 VA		100.009		9540		iola	ı Lət. D	emanu Current:	1009 A	
Refrige				10910 VA		100.007		10910						
Notes:				. 55.5 7/1		. 55.557	-	10010	• • • •					

	Pane	el: L	.2											
Location: DRY STORAGE 111 Supply From: MDP Mounting: SURFACE			P	Volts: 12 Phases: 3 Wires: 4	20/208 Wy	e		Mains Ty Bus Rati MCB Rat	ng: 100 A		A.I.C. Rating: 10,000			
СКТ	Circuit Description	Trip	Poles		A		В		c	Poles		Circuit Description	CI	
1	POINT OF SALE (DRIVE THRU-3) [4]	20 A	1	180 VA	360 VA					1	20 A	POINT OF SALE (DINING)	2	
3	POINT OF SALE (DRIVE THRU-3) [4]	20 A	1			180 VA	360 VA			1	20 A	POINT OF SALE (DINING)	4	
5	POINT OF SALE (DRIVE THRU-2)	20 A	1					360 VA	360 VA	1	20 A	POINT OF SALE (DINING)	(
7	POINT OF SALE (DRIVE THRU-2)	20 A	1	360 VA	0 VA					1	20 A	SPARE	8	
9	MENU BOARD	20 A	1			540 VA	720 VA			1	20 A	ORDER SCREENS (107a) [4]	1	
11	SPARE	20 A	1					0 VA	180 VA	1	20 A	FLAT PANEL DISPLAY	1	
13	ORDER SCREENS (129/107c) [4]	20 A	1	360 VA	360 VA					1	20 A	ORDER SCREEN (107b) [4]	1	
15	ORDER SCREEN (107d) [4]	20 A	1			720 VA	0 VA			1	20 A	SPARE	1	
17	POINT OF SALE (DRIVE THRU-1)	20 A	1					360 VA	360 VA	1	20 A	WAN RACK	1	
19	POINT OF SALE (DRIVE THRU-1)	20 A	1	360 VA	360 VA					1	20 A	WAN RACK	2	
21	ORDER SCREEN (107e)	20 A	1			180 VA	360 VA			1	20 A	MONITORS	2	
23	BUSSED SPACE							0 VA	360 VA	1	20 A	PHONE/PRINTER	2	
25	BUSSED SPACE			0 VA	360 VA					1	20 A	TABLETS	2	
27	BUSSED SPACE					0 VA	360 VA			1	20 A	SHELF RECEPT	2	
29	BUSSED SPACE							0 VA	0 VA			BUSSED SPACE	3	
31	BUSSED SPACE			0 VA	0 VA							BUSSED SPACE	3	
33	BUSSED SPACE					0 VA	0 VA					BUSSED SPACE	3	
35	BUSSED SPACE							0 VA	0 VA			BUSSED SPACE	3	
37	BUSSED SPACE			0 VA	0 VA							BUSSED SPACE	3	
39	BUSSED SPACE					0 VA	0 VA					BUSSED SPACE	4	
41	BUSSED SPACE							0 VA	0 VA			BUSSED SPACE	4	
		Total	Load:	270	0 VA	342	0 VA	198	0 VA					
Load (Classification		Coni	nected Lo	ad	Design Fa	ctor	Estimated	Demand			Panel Totals		
Kitche	n Equipment		:	2340 VA		65.00%	0	1521	VA					
Recep	tacle			5760 VA		100.009	%	5760	VA		To	otal Conn. Load: 8100 VA		
<u> </u>											Tot	tal Est. Demand: 7281 VA		
												I Conn. Current: 22 A		
										Tota		Demand Current: 20 A		
Notes	•									I Ola	. LJI. L	John Carrette 20 A		

ELECTICAL LOAD ANALYSIS													
WHATABURGER PT20													
BASED ON NEC TABLE 220.88													
	SYST	EM VOLTAC	SE: 208Y/120V,	3-PHASE, 4	WIRE + GRD.								
TOTAL CONNECTED 50% AMOUNT ADD 172.5 ESTIMATED 10% ESTIMATED ESTIM													
LOAD OVER 325 kVA kVA SUB-TOTAL SPARE RATING (VA) SERVICE RATING													
466106 VA	70553 VA	172500 VA	243053 VA	24305 VA	267358 VA	742.1 A							

	Pane	7 ·	1												
Ş	Location: DRY STORAGE 111 Supply From: MDP Mounting: SURFACE	71. L	P	Volts: 12 hases: 3 Wires: 4	0/208 Wye			Mains Ty Bus Ratii	pe : MLO ng: 225 A		A.I.C. Rating: 42.000				
СКТ	Circuit Description	Trip	Poles		A		В			Poles	Trip	Circui	t Description	СК	
1	EXIT LIGHTING	20 A	1	28 VA	95 VA					1	20 A	_	ERIOR BUILDING)	2	
3	BELL AND BUZZER	20 A	1			20 VA	400 VA			1	15 A	EF-1 (RESTRO	OM)	4	
5	LIGHTING (BATHROOM)	20 A	1					85 VA	132 VA	1	20 A	ROOF LIGHTING	 G	6	
7	MONUMENT RECEPTACLE	20 A	1	180 VA	480 VA					1	20 A	UNDER COUNT	ER REFRIGERATOR	8	
9	TRAINING SPACE	20 A	1			180 VA	500 VA			1	20 A	"W" SIGNAGE [3	•	10	
11	LIGHTING (SERVICE)	20 A	1					193 VA	540 VA	1			POSE RECEPTACLE	12	
13	OFFICE RECEPTACLE	20 A	1	180 VA	627 VA					1			IOPY LIGHTING [3]	14	
15	DRIVE THRU CANOPY LIGHTS [3]	20 A	1			88 VA	644 VA			1		REACH IN REF		16	
17	DRIVE THRU DRINK DISPENSER	20 A	1					624 VA	929 VA	1	20 A	LIGHTING (DINI	<i>'</i>	18	
19	MOBILE GREASE CADDY	20 A	1	696 VA	180 VA					1	20 A		CONTROL PANEL	20	
21	FIRE ALARM CONTROL PANEL [1]	20 A	1			180 VA	1080 VA			1	20 A		EPTACLES	22	
23	LIGHTING (KITCHEN)	20 A	1					883 VA	0 VA	1		SPARE		24	
25	DUAL SIDED DRINK DISPENSER	20 A	1	960 VA	1040 VA					1	20 A	REACH IN FREE		26	
27	DRIVE THRU AUDIO RECEPTACLES	20 A	1			180 VA	147 VA			1	20 A	BOLLARD/FLAC		28	
29	DRIVE THRU WINDOW	20 A	1					360 VA	1500 VA	1		HOT HOLD CAE	SINET	30	
31	HOT HOLD CABINET	20 A	1	1500 VA	504 VA					1		PIE CABINET		32	
33	TEA BREWER	20 A	1			1650 VA	1000 VA		1000111	1	20 A	MICROWAVE		34	
35	TOUCH FREE VALVES	20 A	1					100 VA	1200 VA	1	20 A	GRAVY WARME		36	
37	SPARE (EXTENDED	20 A	1	0 VA	500 VA	500 \ / 4	5001/4			2	20 A	"WHA I ABURGE	ER" PYLON SIGN [3]	38	
39	MENU BOARD LIGHTING (EXTR) [3]	20 A	1			500 VA	500 VA		0.453.44					40	
41	ICE MANAGER	20 A	1	0701/4	0.453.44			600 VA	915 VA	2	20 A	SUPER COOLE	R [4]	42	
43	HOOD HEAT SENSOR CTRL(KEF1&2)		1	270 VA	915 VA	0.1/4	400 \ / 4						0001 FD	44	
45	SPARE	20 A	1			0 VA	192 VA		0.1/4	1		COOLER UNIT	JOOLER	46	
47	LIGHTING RELAY PANEL	20 A	1	4050.1/4	0.1/4			180 VA	0 VA	1		SPARE		48	
49 51	SHAKE MACHINE [4]	20 A	2	1352 VA	0 VA	1352 VA	0 VA			1		SPARE SPARE		50	
	FREEZER UNIT COOLER					1352 VA	UVA	1019 VA	0 VA	1		SPARE		52	
53 55	FREEZER UNIT COOLER	20 A	2	1019 VA	2550 VA			1019 VA	UVA	2	30 A	COFFEE BREW		54 56	
57	SPARE	20 A		1019 VA	2000 VA	0 VA	2550 VA	\			30 A	COFFEE BREW	EK [4]	58	
59	GRILL TIMERS	20 A	1			UVA	2550 VF	180 VA	180 VA	1		LEAT TARE (CI	ASS 2 30mA GFCI) [4]		
61	BEVERAGE PUMP	20 A	1	720 VA	500 VA			100 VA	100 VA	1	20 A	`	ER" SIGNAGE [3]	62	
63	IRRIGATION CONTROLLER	20 A	1	720 VA	300 VA	180 VA	500 VA			1	20 A			64	
65	"WHATABURGER" SIGNAGE [3]	20 A	1			100 VA	300 VA	500 VA	644 VA	1		REACH IN REF		66	
67	"W" SIGNAGE [3]	20 A	1	500 VA	644 VA			300 VA	044 VA	1		REACH IN REF		68	
69	"W" SIGNAGE [3]	20 A	1	000 171	044 1/1	500 VA	644 VA			1		REACH IN REF		70	
71	SPARE	20 A	1			000 171	011 77	0 VA	2600 VA	3	30 A		TOETOTT OT	72	
73	ICE MAKER EVAPORATOR UNIT	20 A	1	720 VA	2600 VA			0 1/1	2000 171					74	
75	GENERAL PURPOSE RECEPTACLE	20 A	1	720 171	2000 171	720 VA	2600 VA	7						76	
77	ICE MAKER EVAPORATOR UNIT	20 A	1			120 171	2000 17	720 VA	0 VA	1		SPARE		78	
79	MULTIPLEX REFRIGERATION UNIT	30 A	3	3026 VA	0 VA				0 17 1	1		SPARE		80	
81	-					3026 VA	875 VA			2		PARKING LOT I	IGHTING [3]	82	
83	<u></u>							3026 VA	875 VA					84	
		Total	Load:	2178	6 VA	2012	23 VA		1 VA						
oad C	lassification		Conr	nected Loa	ad D	esign Fa	ctor	Estimated	Demand			Panel	Totals		
IVAC				400 VA		100.009	%	400 '	VA						
(itcher	Equipment		4	2963 VA		65.00%	, D	27926	S VA		To	otal Conn. Load:	59808 VA		
.ighting	<u> </u>			3993 VA		125.00%		11241				tal Est. Demand:			
	continuous			630 VA		125.00%		788				Il Conn. Current:			
	on-Continuous			480 VA		100.009		480		Tota		Demand Current:			
Recept				480 VA 3780 VA		100.009		3780		TOLA	ı LƏL. L	Jemanu Gurrent:	131 A		
Refrige				2590 VA		100.00%		2590							
verrige	iation		- 4	2000 VA		100.007	,0	2000	v /\						

GENERAL NOTES

- A. ALL FIRE ALARM CIRCUITS SHALL REQUIRE A LOCK-ON DEVICE. SHALL HAVE RED IDENTIFICATION AND IDENTIFIED AS FIRE ALARM CIRCUIT PER NEC760.41 (A) &(B) AND NFPA 72.10.6.5.3 AND NFPA 72.10.6.5.4.
- B. ALL PANELS SHALL HAVE LOCKABLE DOORS.

PANELBOARD NOTES [X]

- 1. PROVIDE LOCK-ON DEVICE.
- 2. WIRE SIZE SHOWN ON ONE-LINE.
- 3. ROUTE THROUGH LIGHTING CONTACTOR.
- PROVIDE GFCI TYPE BREAKER.
 ROUTE THROUGH LIGHTING CONTROL PANEL.
- 6. CIRCUIT SHALL BE WIRED INTO THE ANSUL SYSTEM.

ms consultants, inc. engineers, architects, planners 2221 Schrock Road Columbus, Ohio 43229 p 614.898.7100 f 614.898.7570 www.msconsultants.com

HW 150 AND
WOOD ST

PROTOTYPE: PT20N NWQ HW Y HOLLYWC



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11/25/19 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

REV	DESCRIPTION	DATE

Project No.: 62-40497 - 21

Client Project No.:

Drawing Title: ELECTRICAL PANEL

Date:	06.29.2022	Phase:	PERMIT SET

SCHEDULES

Designed: JPF
Drawn: JPF

Checked: KFF

E7.

Drawing No.:

	Pan	el: K	(1											
;	Location: DINING ROOM 100 Supply From: MDP			Volts: 20 hases: 3 Wires: 4	8Y/120V			Mains Ty Bus Rati	pe: MLO ng: 200 A		A.I.C. Rating:	22,000		
СКТ	Circuit Description	Trip	Poles		1		В		3	Poles	Trip	Circuit	Description	СКТ
1	PICTO FRYER SE14TE [6]	50 A	2	4129 VA	0 VA							BUSSED SPACE		2
3	-					4129 VA	4129 VA			2	50 A	PICTO FRYER S	E14TE [6]	4
5	ANSUL FIRE SUPPRESSION	15 A	1					600 VA	4129 VA					6
7	FOOD WARMER	20 A	1	1440 VA	240 VA					1	15 A	FOIL HEATER		8
9	OPEN HIGH LEG					0 VA	0 VA					OPEN HIGH LEG	}	10
11	FOOD WARMER	20 A	1					1032 VA	0 VA			BUSSED SPACE		12
13	BUSSED SPACE			0 VA	6557 VA					3	70 A	PICTO FRYER S	E184 [6]	14
15	OPEN HIGH LEG					0 VA	6557 VA							16
17	COMPACT FREEZER	20 A	1					960 VA	6557 VA					18
19	REFRIGERATOR	20 A	1	420 VA	0 VA							BUSSED SPACE		20
21	OPEN HIGH LEG					0 VA	0 VA					OPEN HIGH LEG	j	22
23	BUSSED SPACE							0 VA	0 VA			BUSSED SPACE		24
25	BUSSED SPACE			0 VA	0 VA							BUSSED SPACE		26
27	OPEN HIGH LEG					0 VA	0 VA					OPEN HIGH LEG	3	28
29	BUSSED SPACE							0 VA	0 VA			BUSSED SPACE		30
		Total	Load:	1278	5 VA	148	I4 VA	1327	'8 VA					
oad (Classification		Conr	nected Loa	ad [Design Fa	ctor	Estimated	Demand			Panel	Totals	
tche	n Equipment		4	0278 VA		65.00%	,	26180	VA					
isc. (Continuous			600 VA		125.00%	6	750	VA		To	otal Conn. Load:	40878 VA	
											Tot	al Est. Demand:	26930 VA	
											Tota	Conn. Current:	113 A	
										Tota	l Est. D	emand Current:	75 A	
otes	:				1					1				
HIG	R NEC ARTICLE 220 H LEG WILL BE APPROXIMATELY 200 IEL PROVIDED AND PREWIRED BY K					EG.								

	Pa	nel: K	(3											
;	Location: COOKING 117 Supply From: MDP		F	Volts: 20 Phases: 3 Wires: 4)8Y/120V			Mains Ty Bus Rati	rpe: MLO ng: 125 A				A.I.C. Rating:	22,000
СКТ	Circuit Description	Trip	Poles		A	ı	В		С	Poles	Trip	Circuit	Description	СКТ
1	72" GRIDDLE-1 [6]	70 A	3	6004 VA	6004 VA					3	70 A	72" GRIDDLE-2	[6]	2
3						6004 VA	6004 VA							4
5								6004 VA	6004 VA					6
7	BUSSED SPACE			0 VA	0 VA							BUSSED SPACE		8
9	BUSSED SPACE					0 VA	0 VA					BUSSED SPACE	Ξ	10
11	BUSSED SPACE							0 VA	0 VA			BUSSED SPACE		12
		Total	Load:	1200)9 VA	1200)9 VA	1200)9 VA					
_oad (Classification		Con	nected Lo	ad [esign Fa	ctor	Estimated	Demand			Panel	Totals	
Kitcher	n Equipment		3	36026 VA		100.00%	6	36026	6 VA					
											To	tal Conn. Load:	36026 VA	
											Tot	al Est. Demand:	36026 VA	
											Total	Conn. Current:	100 A	
										Total		emand Current:		
										1 2 300				

	Pa	nel: K	2											
\$	Location: COOKING 117 Supply From: MDP		Volts: 20 hases: 3 Wires: 4	08Y/120V			Mains Ty Bus Rati	pe : MLO ng: 200 A			A.I.C. Rating: 22,000			
СКТ	Circuit Description	Trip	Poles		A	ı	В		C	Poles	Trip	Circuit	Description	Ch
1	HEATED TOP	20 A	1	864 VA	1664 VA					2	20 A	BUN TOASTER-	1	2
3	OPEN HIGH LEG					0 VA	1664 VA							4
5	BUSSED SPACE							0 VA	1664 VA	2	20 A	BUN TOASTER-2	2	6
7	DUKE WARMING BIN [4]	20 A	2	905 VA	1664 VA									8
9						905 VA	0 VA					OPEN HIGH LEG	}	1
11	HOT FOOD WELL	20 A	1					600 VA	0 VA			BUSSED SPACE		1:
13	HOT FOOD WELL	20 A	1	600 VA	6004 VA					3	70 A	72" GRIDDLE-3 [6]	1.
15	DUKE WARMING BIN [4]	20 A	2			905 VA	6004 VA							1
17								905 VA	6004 VA					1
19	REFRIGERATOR-1	20 A	1	480 VA	6004 VA					3	70 A	72" GRIDDLE-4 [6]	2
21	OPEN HIGH LEG					0 VA	6004 VA							2
23	BUSSED SPACE							0 VA	6004 VA					2
25	REFRIGERATOR-2	20 A	1	480 VA	0 VA							BUSSED SPACE		2
27	OPEN HIGH LEG					0 VA	0 VA					OPEN HIGH LEG	3	2
29	COLD RAIL	20 A	1					960 VA	360 VA	1	15 A	ANSUL FIRE SU	PPRESSION	3
		Total	Load:	1866	55 VA	1548	32 VA	1649	7 VA					
_oad (Classification		Conr	nected Lo	ad [esign Fa	ctor	Estimated	Demand			Panel ⁻	Totals	
Kitcher	(itchen Equipment Misc. Continuous		5	0285 VA		65.00%	,	32685	5 VA					
Misc. C				360 VA		125.00%	6	450	VA		To	otal Conn. Load:	50645 VA	
											Tot	al Est. Demand:	33135 VA	
											Tota	I Conn. Current:	141 A	
										Total	Est. D	emand Current:	92 A	
Notes:										1		-		

	Par	nel: K	4											
;	Location: DINING ROOM 100 Supply From: MDP			Volts: 20 Phases: 3 Wires: 4	8Y/120V			-	vpe : MLO i ng : 125 A				A.I.C. Rating:	22,000
СКТ	Circuit Description	Trip	Poles		4		В		С	Poles	Trip	Circuit	Description	СКТ
1	PITCO FRYER SE 184 - 2 [6]	70 A	3	6557 VA	5668 VA					3	70 A	PITCO FRYER S	SE 14 [6]	2
3						6557 VA	5668 VA							4
5								6557 VA	5668 VA					6
7	SPARE	20 A	1	0 VA	0 VA					1	20 A			8
9	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE		10
11	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE		12
		Total	Load:	1222	25 VA	1222	25 VA	1222	25 VA					
Load (Classification		Coni	nected Loa	ad [Design Fa	ctor	Estimated	Demand			Panel '	Totals	
Kitche	n Equipment		3	36674 VA		100.00%	6	3667	4 VA					
											To	otal Conn. Load:	36674 VA	
											Tot	al Est. Demand:	36674 VA	
											Tota	I Conn. Current:	102 A	
										Tota	Est. D	emand Current:	102 A	
Notes										- 333				

GENERAL NOTES

- A. ALL FIRE ALARM CIRCUITS SHALL REQUIRE A LOCK-ON DEVICE. SHALL HAVE RED IDENTIFICATION AND IDENTIFIED AS FIRE ALARM CIRCUIT PER NEC760.41 (A) &(B) AND NFPA 72.10.6.5.3 AND NFPA 72.10.6.5.4.
- B. ALL PANELS SHALL HAVE LOCKABLE DOORS.

PANELBOARD NOTES [X]

- PROVIDE LOCK-ON DEVICE.
- WIRE SIZE SHOWN ON ONE-LINE.
 ROUTE THROUGH LIGHTING CONTACTOR.
- 4. PROVIDE GFCI TYPE BREAKER.
- 5. ROUTE THROUGH LIGHTING CONTROL PANEL.
- 6. CIRCUIT SHALL BE WIRED INTO THE ANSUL SYSTEM.

ms consultants, inc. engineers, architects, planners

2221 Schrock Road Columbus, Ohio 43229 p 614.898.7100 f 614.898.7570

www.msconsultants.com

PROTOTYPE: PT20M

NWQ HW 150 AND
HOLLYWOOD ST

WHATARIIDCER

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11/25/19 PROFESSIONAL OF RECORD: JASON E. CHRISTOFF No.2012002143 EXP DATE: 12/31/22

	REV	DESCRIPTION	DATE

Project No.: 62-40497 - 21

Client Project No.:

Drawing Title:

ELECTRICAL PANEL

SCHEDULES

Date: 06.29.2022 Phase: PERMIT SET

Designed: JPF Drawing No.:

Drawn: JPF
Checked: KFF

E7.2