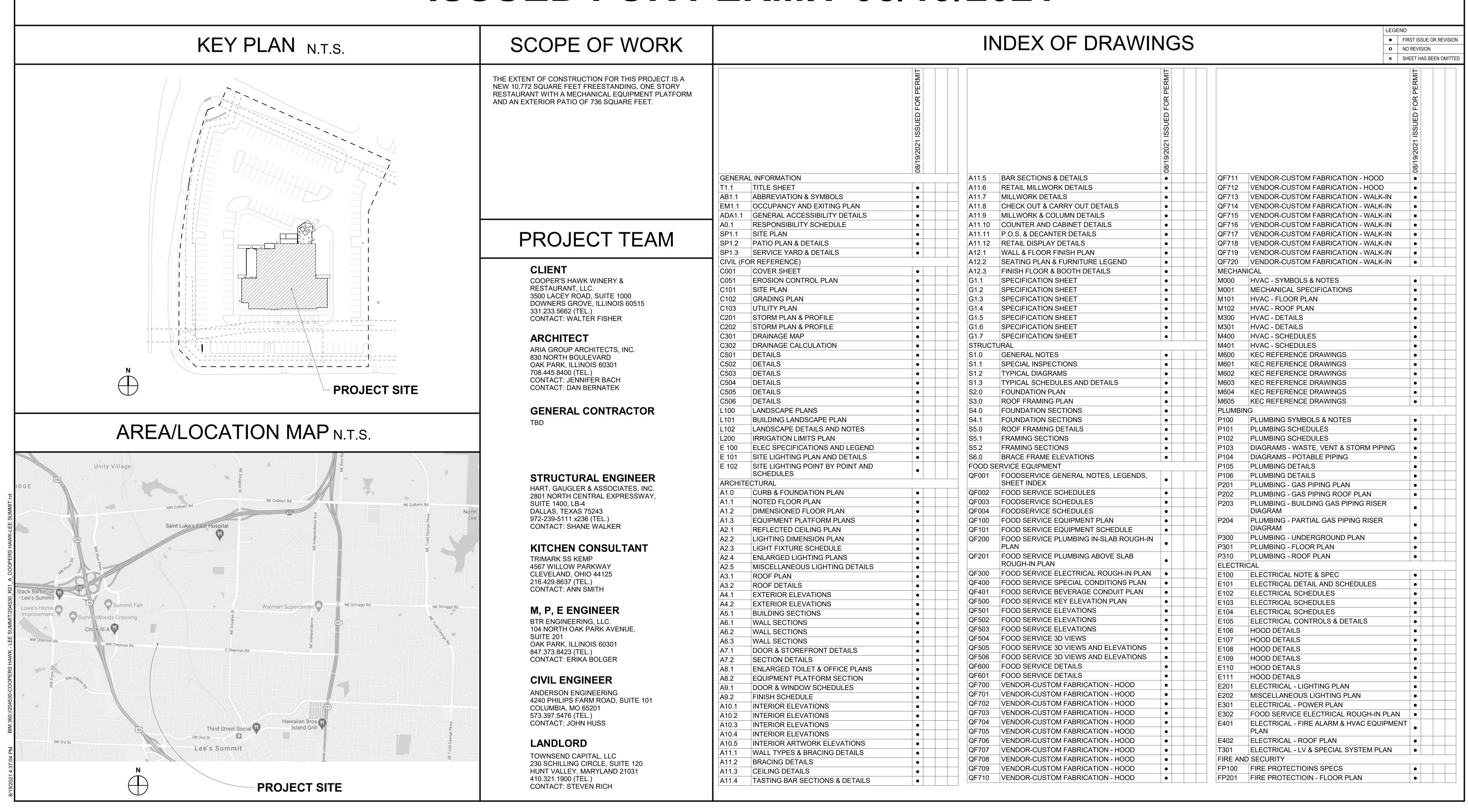


COOPER'S HAWK

WINERY & RESTAURANT

NEW FREESTANDING BUILDING AT 540 NW CHIPMAN ROAD, LEE'S SUMMIT, MO 64086

ISSUED FOR PERMIT 08/19/2021



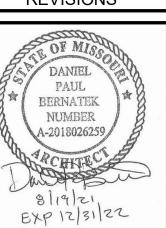
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Drawing Title

TITLE SHEET

Job No. 204530 Scale

N.T.S. Sheet No.

STANDARD ABBREVIATION

	S USED AS ABBREVIATIONS SPACING OF	L I AM	LENGTH
< CE	ENTER LINE	LAM LAV LH	LAMINATE(D) LAVATORY LEFT HAND
Ø	DIAMETER	LHR LL	LEFT HAND REVERSE LIVE LOAD
ABBREV	VIATIONS	LOC LP LT	LOCATION LOW POINT LIGHT
A/C ACT	AIR CONDITIONING ACOUSTICAL TILE	LW	LIGHTWEIGHT
ACR ADJ	ACRYLIC PLASTIC ADJACENT		METER/C)
AFF AGG ALT	ABOVE FINISHED FLOOR AGGREGATE ALTERNATE	M MAS MAU	METER(S) MASONRY MAKE-UP AIR UNIT (MECH)
AL ANOD	ALUMINUM ANODIZED	MAX MBR	MAXIMUM MEMBRANE
ARCH ASPH	ARCHITECT, ARCHITECTURAL ASPHALT	MDO MECH MED	MEDIUM DENSITY OVERLAY MECHANIC(AL) MEDIUM
AUTO	AUTOMATIC	- MFR MIN	MANUFACTURE(R) MINIMUM
B/	BOTTOM OF	MIR MISC MM	MIRROR MISCELLANEOUS MILLIMETER(S)
B.O. BD BL	BY OWNER BOARD BASE LINE	MOD MOV	MODIFIED MOVABLE
BLDG BPL	BUILDING BEARING PLATE	MR MT	MOISTURE RESISTANT MOUNT, (ED), (ING)
BRG BRK BRZ	BEARING BRICK BRONZE	MTL	METAL
BSMT	BASEMENT	– N NAT	NORTH NATURAL
C.O.	CASED OPENING	NIC NO	NOT IN CONTRACT NUMBER
CAB CB	CABINET CEMENT BOARD	NOM NTS	NOMINAL NOT TO SCALE
CG CIR	CORNER GUARD CIRCLE		
CIRC CJ CLG	CIRCUMFERENCE CONTROL JOINT CEILING	OA OC	OVERALL ON CENTER(S)
CLR CM	CLEAR, CLEARANCE CENTIMETER(S)	OD OH	OUTSIDE DIÀMETER OVERHEAD
CMU COL COMP	CONCRETE MASONRY UNIT COLUMN COMPRESS, (ED), (ION), (IBLE)	OPP. HAI ORN	ND OPPOSITE HAND ORNAMENTAL
CONC CONN	CONCRETE CONNECTION		DADALLE!
CONST CONT CONTR	CONSTRUCTION CONTINUE, CONTINUOUS CONTRACT(OR)	PAR PCF PER	PARALLEL POUNDS PER CUBIC FOOT PERIMETER
CORR CPT	CORRUGATED CARPET	PERF PRE FAB	PERFORATE(D) PREFABRICATED
CSMT CT CTR	CASEMENT CERAMIC TILE COUNTER	PRE FIN PG PL	PREFINISHED PLATE GLASS PROPERTY LINE
CTR CU.FT. CYD	CUBIC FOOT CUBIC YARD	PL PLAM PLF	PROPERTY LINE PLASTIC LAMINATE POUNDS PER LINEAR FOOT
		PLYWD PNL	PLYWOOD PANEL(ING)
DL DEMO	DEAD LOAD DEMOLISH, DEMOLITION	PRPT PSF PSI	PARAPET POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH
DTL DIAG	DETAIL DIAGONAL	PT PVC	POINT POLYVINYL CHLORIDE
DIA DIM DIV	DIAMETER DIMENSION DIVISION	PVMT	PAVEMENT
DN DS	DOWN DOWN SPOUT	QT	QUARRY TILE
OT OWR OWG	DRAIN TILE DRAWER DRAWING		
DF DW	DRINKING FOUNTAIN DUMBWAITER	R RA	RISER RETURN AIR
		RAD RB	RADIUS RUBBER BASE
E EA	EAST EACH	RD REF REFR	ROOF DRAIN REFER(ENCE) REFRIGERATOR
∃B ∃F ∃J	EXPANSION BOLT EXHAUST FAN (MECH) EXPANSION JOINT	REG REINF	REGISTER REINFORCE, (ED), (ING)
EL ELEC	ELEVATION (VERTICAL HEIGHT) ELECTRIC(AL)	REQ'D RET REV	REQUIRED RETURN REVISE, REVISION
ELEV EMER ENCL	ELEVATION (VIEW) EMERGENCY ENCLOSE, (URE)	RFL RH	REFLECT, (ED), (IVE), (OR) RIGHT HAND
EP EQ	ELECTRICAL PANEL EQUAL	RM RO ROW	ROOM ROUGH OPENING RIGHT OF WAY
EQP ESMNT EST	EQUIPMENT EASEMENT ESTIMATE	RTU	ROOF TOP UNIT (MECH)
EX(E) EXH	EXISTING EXHAUST	S	SOUTH
EXT	EXTERIOR	_ SC SCH	SOLID CORE SCHEDULE
=A	FIRE ALARM	SCUP SD SEC	SCUPPER STORM DRAIN SECTION
FD FE FEC	FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	SF SHT	SQUARE FEET SHEET
FFE FFL	FINISHED FLOOR ELEVATION FINISHED FLOOR LINE	SIM SPKR SPEC	SIMILAR SPEAKER SPECIFICATION
FIN FIXT FLR	FINISH(ED) FIXTURE FLOOR(ING)	SQ SST	SQUARE STAINLESS STEEL
FND FOC	FOUNDATION FACE OF CONCRETE	ST STCO STD	STEEL STUCCO STANDARD
FOF FOM FOS	FACE OF FINISH FACE OF MASONRY FACE OF STUDS	STOR STR	STORAGE STRUCTURAL
FRT FT	FIRE-RETARDANT FIRE TREATED	SUSP SVYD SYM	SUSPENDED SERVICE YARD SYMMETRY, (ICAL)
FTG FUR	FOOTING FURRED, (ING)	SYS	SYSTEM
		Т	TEMPERED
GA GALV GC	GAUGE GALVANIZED GENERAL CONTRACTOR	T/ T&G	TOP OF TONGUE AND GROOVE
GL GLAM	GLASS, GLAZING GLUED LAMINATE	TEL THK THR	TELEPHONE THICK(NESS) THRESHOLD
GYP BD	GYPSUM WALLBOARD	TOL TPG	TOLERANCE TOPPING
НВ	HOSE BIBB	TR TV	TRANSOM TELEVISION
HDR HDWD	HEADER HARDWOOD	TYP 	TYPICAL
HDWR HM HORZ	HARDWARE HOLLOW METAL HORIZONTAL	UC	UNDERCUT
HP HT	HIGH POINT HEIGHT	UNF UNO UTIL	UNFINISHED UNLESS NOTED OTHERWISE UTILITY
HVAC	HEATING/ VENTILATING/ AIR CONDITIONING	_	
D	INSIDE DIAMETER	VCT VERT	VINYL COMPOSITION TILE
GU NCAN	INSULATING GLAZING UNIT INCANDESCENT	VERT VNR VT	VERTICAL VENEER VINYL TILE
NCIN NCL NS	INCINERATOR INCLUDE, (ED), (ING) INSULATE, (ED), (ING)		
NT NV	INTERIOR INVERT	W WE _ W/O WI	
		WC WA	ATER CLOSET DOD
JT	JOINT	WG WIF WH WA	RE GLASS TER HEATER
	MANAGERALIT	WIN WII	ROUGHT IRON NDOW RE MESH
KO	KNOCKOUT	WP WA	TERPROOFING TER RESISTANT
		WS WA	TERSTOP ELDED WIRE FABRIC

GENERAL NOTES

- . THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCING THE WORK.
- THE GENERAL CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES AND SHALL NOTIFY ARCHITECT OF ANY AND ALL
- DISCREPANCIES PRIOR TO COMMENCING CONSTRUCTION. B. ALL WORK SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES, ORDINANCES AND ANY
- 4. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AS REQUIRED, TO ENSURE THE VERTICAL AND LATERAL STABILITY OF THE ENTIRE STRUCTURE OR A PORTION THEREOF DURING CONSTRUCTION.
- 5. THE GENERAL CONTRACTOR SHALL PROVIDE OPENINGS & CORES, NOT SPECIFICALLY SHOWN ON THE DRAWING, AS
- REQUIRED FOR MECHANICAL AND ELECTRICAL EQUIPMENT, VENTS, DUCTS, AND TYPICAL DETAILS.
- 5. THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES, INCLUDING ADVISING ALL TRADES OF FEATURES OF CONSTRUCTION AND PROVIDING BLOCKS, HOLES, DEPRESSIONS, ETC, AS REQUIRED, FOR A COMPLETE JOB. REFER TO ALL DRAWINGS FOR SLAB DEPRESSIONS, SLOPES, CURBS, DRAINS, OPENINGS, ETC.
- THE GENERAL CONTRACTOR IS TO BUILD AND MAINTAIN CONSTRUCTION BARRICADES (ALL NECESSARY LIGHTS, SIGN, ETC.) FOR THE PROTECTION OF THE PUBLIC, AS PER LOCAL ORDINANCES AND LANDLORD REQUIREMENTS.
- 8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT FOR ANY DAMAGE CAUSED BY HIM OR HIS SUBCONTRACTORS TO EXISTING WORK IN PLACE.

SHALL BE THE LEGAL AND FINANCIAL RESPONSIBILITY OF THE CONTRACTOR TO REPLACE OR REPAIR AS DIRECTED BY

- 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MISCELLANEOUS PERMITS, FEES, AND INSPECTIONS AS MAY BE REQUIRED FOR COMPLETION OF THE JOB AS PER ALL GOVERNING AGENCIES.
- 10. NO STRUCTURAL CHANGES FROM THE APPROVED PLANS SHALL BE MADE IN THE FIELD WITHOUT PRIOR WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. IF CHANGES ARE MADE WITHOUT WRITTEN APPROVAL, SUCH CHANGES
- 11. ALL CONTRACTORS SHALL PROVIDE LIABILITY INSURANCE AND WORKERS COMPENSATION BENEFITS IN ACCORDANCE WITH STATE LAW FOR ALL WORKERS AND AGENTS WHO WILL BE ON THE SITE AT ANY TIME. TENANT'S GENERAL CONTRACTOR MUST PROVIDE INSURANCE CERTIFICATE WITH COVERAGE'S AND ADDITIONAL INSURANCE AS REQUIRED
- 12. THE GENERAL CONTRACTOR SHALL REPORT ANY DEFECTS, DISCREPANCIES, PROBLEMS OR UNCERTAINTIES TO THE ARCHITECT, FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK AFFECTED.
- 13. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL BE FULLY ACQUAINTED WITH SCOPE OF THE WORK TO BE PERFORMED AND SHALL INSPECT SITE CONDITIONS PRIOR TO BID SUBMITTAL. BID SHALL INCLUDE ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THE SCOPE OF WORK.
- 14. IT IS UNDERSTOOD THAT THE OWNER MAY BE PURCHASING AND/OR INSTALLING MATERIALS, EQUIPMENT, AND FURNISHINGS UNDER SEPARATE CONTRACTS. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL COOPERATE WITH THE OWNER TO ALLOW THE DELIVERY AND INSTALLATION OF SUCH MATERIALS, EQUIPMENT, AND FURNISHINGS BY OTHER CONTRACTORS AND SUPPLIERS WHICH MAY COMMENCE PRIOR TO FINAL ACCEPTANCE OF THE REMODELED SPACE BY THE OWNER SO AS TO ASSURE THE OWNER OF THE EARLIEST POSSIBLE COMPLETION DATE
- 15. THE TERM "ARCHITECT" SHALL MEAN ARIA GROUP ARCHITECTS, INC., 830 NORTH BOULEVARD, OAK PARK, ILLINOIS 60301 TEL: 708-445-8400.
- 16. NO EXTRAS WILL BE ALLOWED FOR CLAIMS DUE TO UNFORESEEN OR UNANTICIPATED CONDITIONS WHICH COULD HAVE BEEN DISCOVERED BY THE BIDDING CONTRACTOR DURING INSPECTION OF THE SITE DURING THE BIDDING PERIOD AND PRIOR TO THE COMMENCEMENT OF THE WORK.
- 17. THESE DRAWINGS ARE NOT TO BE SCALED. IF REQUIRED DIMENSIONS OR INFORMATION CANNOT BE FOUND WITHIN THE DRAWINGS OR SPECIFICATIONS, THE ARCHITECT SHALL BE REQUESTED TO INTERPRET THE DOCUMENT, AND HIS INTERPRETATIONS SHALL BE FINAL AND BINDING.
- 18. NO SUBSTITUTIONS ALLOWED.

APPLICABLE AMENDMENTS.

THE STRUCTURAL ENGINEER.

BY LANDLORD PRIOR TO CONSTRUCTION START.

19. ALL PARTITIONS, ASSEMBLIES, DOORS, AND FRAMES, ETC., SHALL BE PROVIDED SO AS TO ACHIEVE FIRE RESISTIVE RATINGS AS INDICATED ON DRAWINGS.

HOURS OF CONSTRUCTION

HOURS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH LEASE AND GOVERNMENTAL AGENCIES AND RESTRICTIONS.

REMARKS/NOTES

- A. SPRINKLER SYSTEM PROVIDED AS DESIGN BUILD. G.C. TO PROVIDE FIRE SPRINKLER DESIGN AND SHOP DRAWINGS TO FIRE OFFICIALS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
- B. SPRINKLER MONITORING ALARM IS REQUIRED.
- C. RANGE HOOD EXTINGUISHING SYSTEM MUST BE TIED TO FIRE ALARM.

D. HVAC SMOKE DETECTORS MUST BE TIED TO FIRE ALARM.

SHOP DRAWING/SUBMITTAL PROCEDURES

PLEASE FOLLOW THE BELOW PROCEDURE FOR SUBMITTALS AND SHOP DRAWINGS.

- G.C. RECEIVES SUBMITTAL FROM SUBCONTRACTOR. THOROUGHLY REVIEWS FOR COMPLIANCE WITH PLANS AND MAKES RED MARKS ON SUBMITTAL. THE SUBMITTAL MUST BEAR G.C. REVIEW STAMP AND APPROVER SIGNATURE. IF SUBMITTALS ARE SENT DIRECTLY FROM SUB CONTRACTORS, THEY WILL BE RETURNED TO THE G.C.. ANY SHOP DRAWINGS THAT ARE COPIES OF THE CONSTRUCTION DOCUMENTS WILL BE IMMEDIATELY RETURNED WITHOUT REVIEW
- G.C. SENDS ELECTRONIC SHOP DRAWING COPY IN 24-BIT COLOR PDF FORMAT (OR 300 DPI MINIMUM IF SCANNED), CLEAR AND TO-SCALE WITH TRANSMITTAL TO THE ARCHITECT. G.C. TRANSMITTAL MUST CONTAIN DUE DATE. EACH SUBMITTAL MUST BE ATTACHED AS A SEPARATE FILE AND NAMED ACCORDINGLY. DO NOT SET PERMISSION RESTRICTIONS ON ATTACHMENTS. WHENEVER POSSIBLE, CREATE DIGITAL FILES FROM ORIGINALS FOR CLARITY. UNREADABLE OR ILLEGIBLE SUBMITTALS WILL BE REJECTED.
- . THE ARCHITECT FORWARDS THE ELECTRONIC PDF COPY TO THE APPROPRIATE CONSULTANT(S) WITH COPY OF G.C.
- 4. THE CONSULTANT MAKES COMMENTS AND RETURNS ONE ELECTRONIC PDF COPY TO THE ARCHITECT FOR FINAL
- ARCHITECT MAKES FINAL COMMENTS AND SENDS ELECTRONIC PDF COPY TO G.C. AND RETAINS ONE RECORD FILE
- COPY FOR THE ARCHITECT. 6. FOR MATERIAL SAMPLE SUBMITTALS, A MINIMUM OF 3 ACTUAL SAMPLES IN THE COLOR, PATTERN, TEXTURE, FINISH, ETC. SPECIFIED ARE REQUIRED TO BE SENT TO THE ARCHITECT FOR REVIEW. SAMPLES SHALL BE OF A SIZE TO
- SAMPLES TO THE G.C. AND RETAIN ONE RECORD COPY. ONE COPY OF BOOTH DRAWINGS WITH A FABRIC SAMPLE INDICATING THE DIRECTION OF THE FABRIC OFF THE BOLT IS

CLEARLY ILLUSTRATE THE FULL RANGE OF COLOR, TEXTURE AND PATTERN. THE ARCHITECT WILL RETURN TWO

- SENT TO THE ARCHITECT BY THE BOOTH MANUFACTURER. THE ARCHITECT SENDS FINAL COMMENTS TO THE BOOTH MANUFACTURER AND COPIES OWNER.
- 3. FAILURE TO SUBMIT SHOP DRAWINGS BEFORE THE WORK IS FURNISHED & INSTALLED WILL MAKE THE G.C. RESPONSIBLE FOR COST OF REPLACEMENT OF WORK AS WELL AS ALL OVERTIME COSTS, SO AS NOT TO DELAY THE PROJECT SCHEDULE. BELOW IS A LIST OF SHOP DRAWINGS THAT REQUIRE EXTENDED REVIEW TIMES. G.C. TO SUBMIT IN A TIMELY MANNER TO AVOID DELAY. REVIEW TIME REQUIRED IS FROM THE DATE OF RECEIPT BY ARCHITECT.

SUBMITTAL LIST

ELECTRICAL PANELS

CUT SHEETS)

DOOR HARDWARE

WALK-IN COOLER

STAINLESS STEEL

FIRE PROTECTION

HOODS

ROLL DOWN SHADES

PLUMBING FIXTURES

LIGHT FIXTURE CUT SHEETS

DUCT SHOP DRAWING

NOTE: IF ANY SUBMITTAL IS RECEIVED THAT IS NOT ON THE SUBMITTAL LIST NOTED BELOW THE SUBMITTAL WILL BE RETURNED WITHOUT BEING REVIEWED.

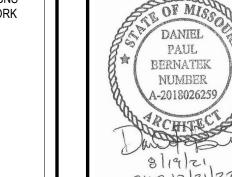
ALLOW A MINIMUM OF 5 WORKING DAYS FOR REVIEW

- STOREFRONT/ GLAZING MISCELLANEOUS METALS
- BOOTH SHOPS MUST INCLUDE FABRIC SAMPLE SHOWING PATTERN DIRECTION CARPET SAMPLES TILE SAMPLES
 - COUNTERTOP SAMPLES PLASTER SAMPLES BRICK SAMPLES PAINT & STAIN DRAW DOWNS(COLOR CHIPS
- FROM MANUFACTURER WILL NOT BE ACCEPTED AS SAMPLES TOILET ACCESSORIES
- ROOFING INFORMATION FIRE ALARM **HVAC CONTROLS & SENSORS**
- HVAC BALANCER & BALANCING REPORT GAS PIPING & ACCESSORIES
- ELECTRICAL BOXES, RACEWAYS & FITTINGS ELECTRICAL CONDUCTORS & GROUNDING WIRING DEVICES ELECTRICAL DISTRIBUTION EQUIPMENT LIGHTING CONTROL DEVICES
- FINAL DOCUMENTATION (MANUALS, ETC.)

ALLOW A MINIMUM OF 7 WORKING DAYS FOR REVIEW WORKING DAYS FOR REVIEW ELECTRICAL SWITCH GEAR

STRUCTURAL STEEL REBAR LAYOUT MECHANICAL EQUIPMENT CONCRETE MIX DESIGNS (INC. DIFFUSER / REGISTER MILLWORK & CASEWORK

SPRINKLER SHOPS



ABBREVIATION &

GROUP

830 North Blvd.

Oak Park, Illinois

708-445-8400

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ARIA GROUP ARCHITECTS, INC.

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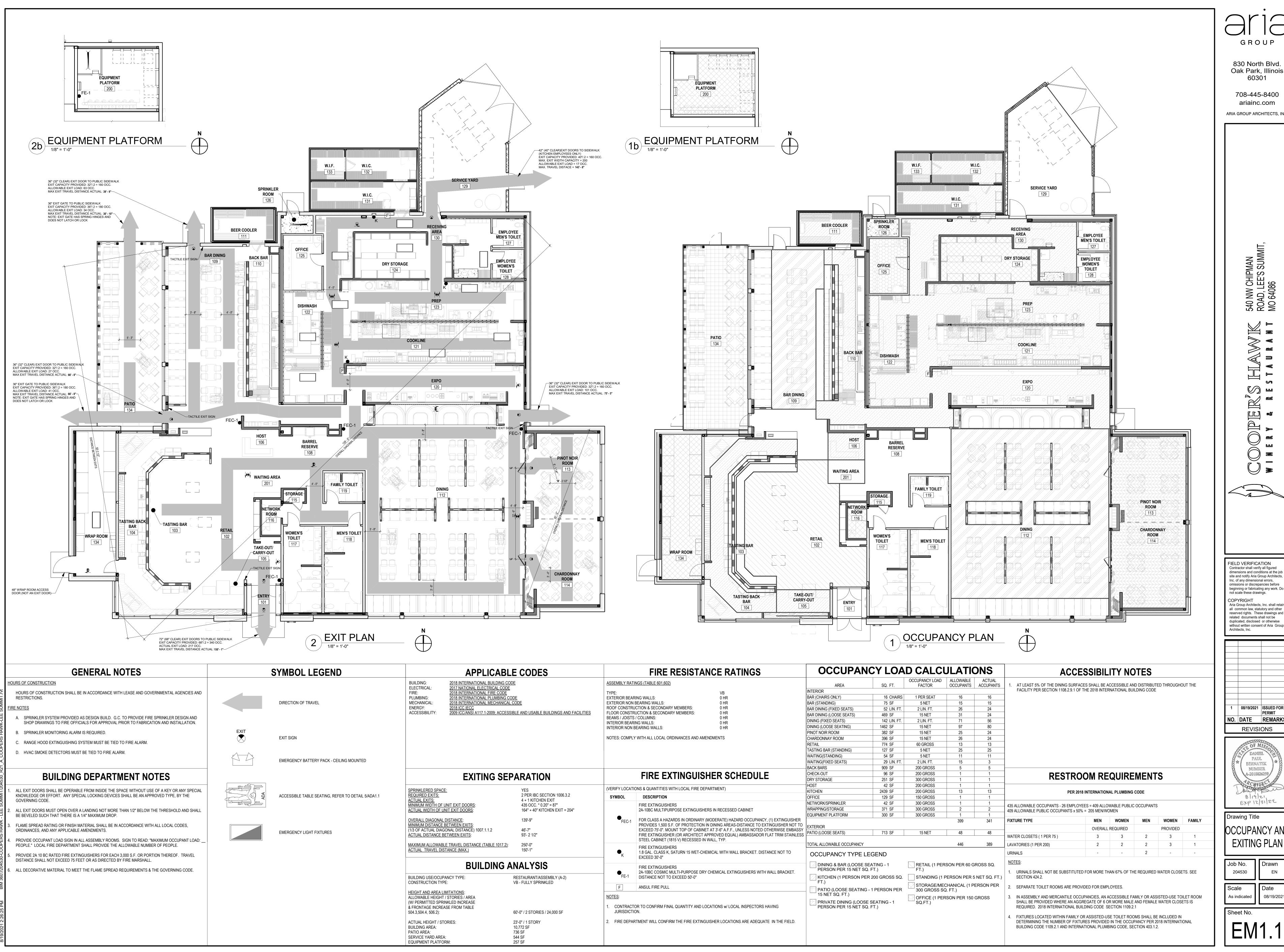
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204530

Sheet No.

08/19/2021

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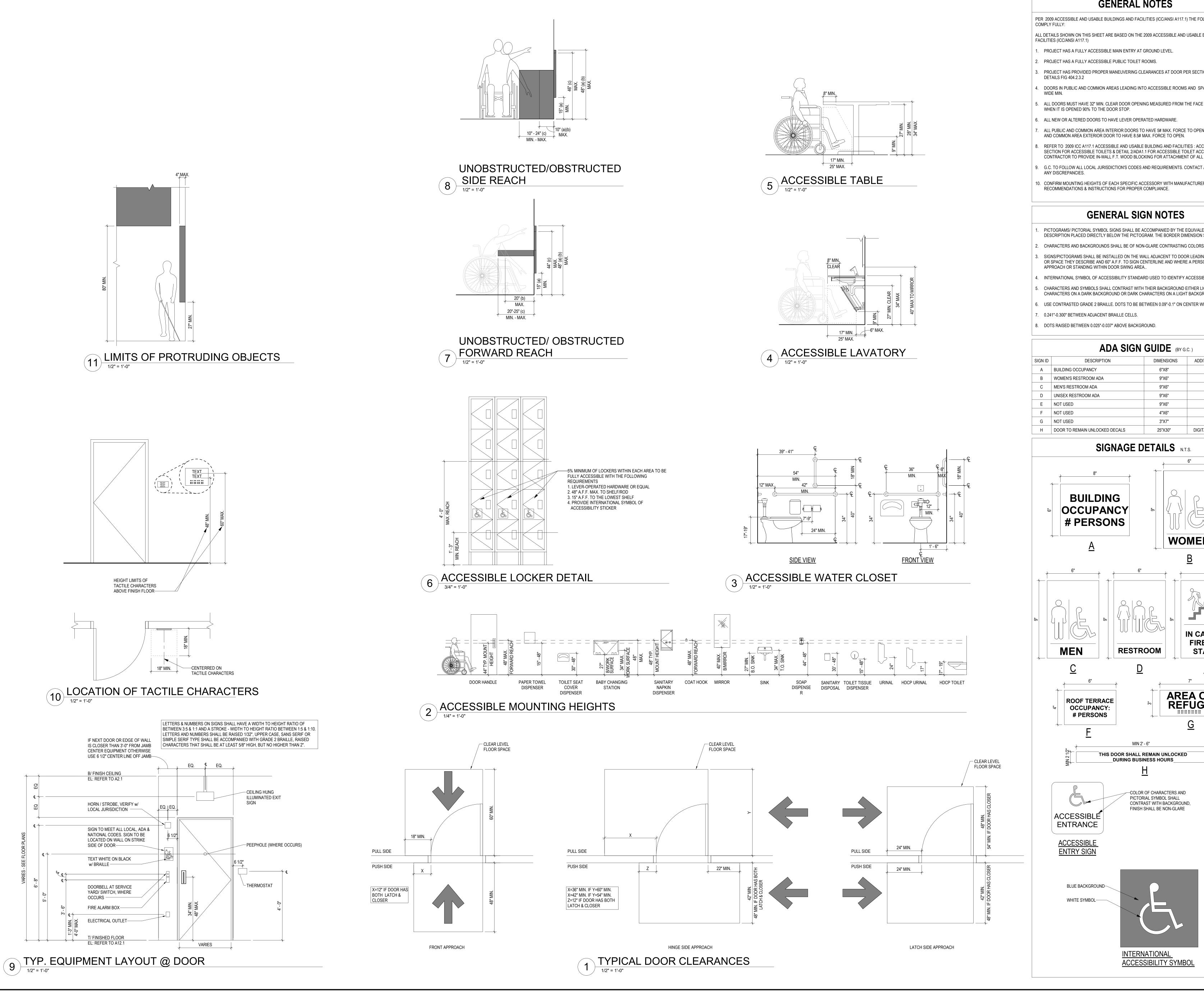
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> **REVISIONS** PAUL BERNATEK NUMBER A-2018026259

Drawing Title

Job No. Drawn 204530

Scale 08/19/2021 As indicated



GENERAL NOTES

PER 2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ICC/ANSI A117.1) THE FOLLOWING

ALL DETAILS SHOWN ON THIS SHEET ARE BASED ON THE 2009 ACCESSIBLE AND USABLE BUILDINGS AND

- PROJECT HAS PROVIDED PROPER MANEUVERING CLEARANCES AT DOOR PER SECTION 404.2.2 &
- DOORS IN PUBLIC AND COMMON AREAS LEADING INTO ACCESSIBLE ROOMS AND SPACES TO BE 3'-0"
- ALL DOORS MUST HAVE 32" MIN. CLEAR DOOR OPENING MEASURED FROM THE FACE OF THE DOOR
- 6. ALL NEW OR ALTERED DOORS TO HAVE LEVER OPERATED HARDWARE.
- ALL PUBLIC AND COMMON AREA INTERIOR DOORS TO HAVE 5# MAX. FORCE TO OPEN. ALL PUBLIC
- REFER TO 2009 ICC A117.1 ACCESSIBLE AND USABLE BUILDING AND FACILITIES: ACCESSIBILITY SECTION FOR ACCESSIBLE TOILETS & DETAIL 2/ADA1.1 FOR ACCESSIBLE TOILET ACCESSORIES.
- CONTRACTOR TO PROVIDE IN-WALL F.T. WOOD BLOCKING FOR ATTACHMENT OF ALL ACCESSORIES. G.C. TO FOLLOW ALL LOCAL JURISDICTION'S CODES AND REQUIREMENTS. CONTACT ARCHITECT WITH
- 10. CONFIRM MOUNTING HEIGHTS OF EACH SPECIFIC ACCESSORY WITH MANUFACTURER'S

GENERAL SIGN NOTES

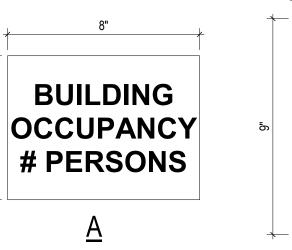
PICTOGRAMS/ PICTORIAL SYMBOL SIGNS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION SHALL BE 6" MIN.

- SIGNS/PICTOGRAMS SHALL BE INSTALLED ON THE WALL ADJACENT TO DOOR LEADING TO THE ROOM OR SPACE THEY DESCRIBE AND 60" A.F.F. TO SIGN CENTERLINE AND WHERE A PERSON MAY APPROACH OR STANDING WITHIN DOOR SWING AREA..
- INTERNATIONAL SYMBOL OF ACCESSIBILITY STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.
- CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND
- 6. USE CONTRASTED GRADE 2 BRAILLE. DOTS TO BE BETWEEN 0.09"-0.1" ON CENTER WITHIN EACH CELL.
- 0.241"-0.300" BETWEEN ADJACENT BRAILLE CELLS.
- 8. DOTS RAISED BETWEEN 0.025"-0.037" ABOVE BACKGROUND.

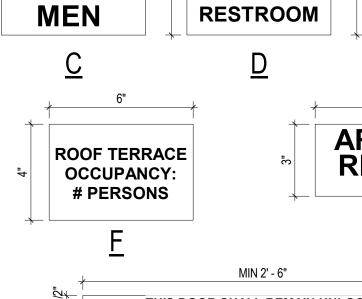
ADA SIGN GUIDE (BY G.C.

SIGN ID	DESCRIPTION	DIMENSIONS	ADDITIONAL NOTES
Α	BUILDING OCCUPANCY	6"X8"	PVC
В	WOMEN'S RESTROOM ADA	9"X6"	PVC
С	MEN'S RESTROOM ADA	9"X6"	PVC
D	UNISEX RESTROOM ADA	9"X6"	PVC
Е	NOT USED	9"X6"	PVC
F	NOT USED	4"X6"	PVC
G	NOT USED	3"X7"	PVC
Н	DOOR TO REMAIN UNLOCKED DECALS	25"X30"	DIGITAL PRINT VINYL



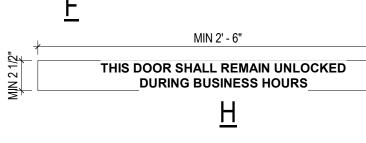


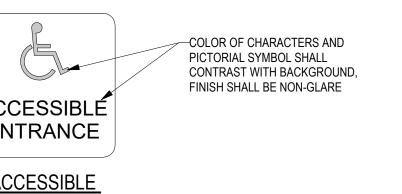
WOMEN IN CASE OF FIRE USE

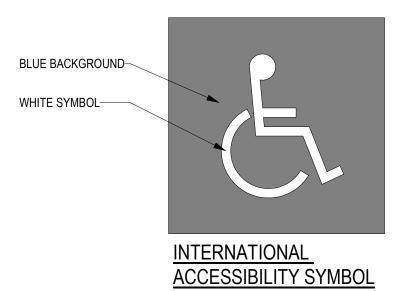


AREA OF REFUGE

STAIRS







ACCESSIBILITY DETAILS 204530

Scale

AS NOTED 08/19/2021 Sheet No.

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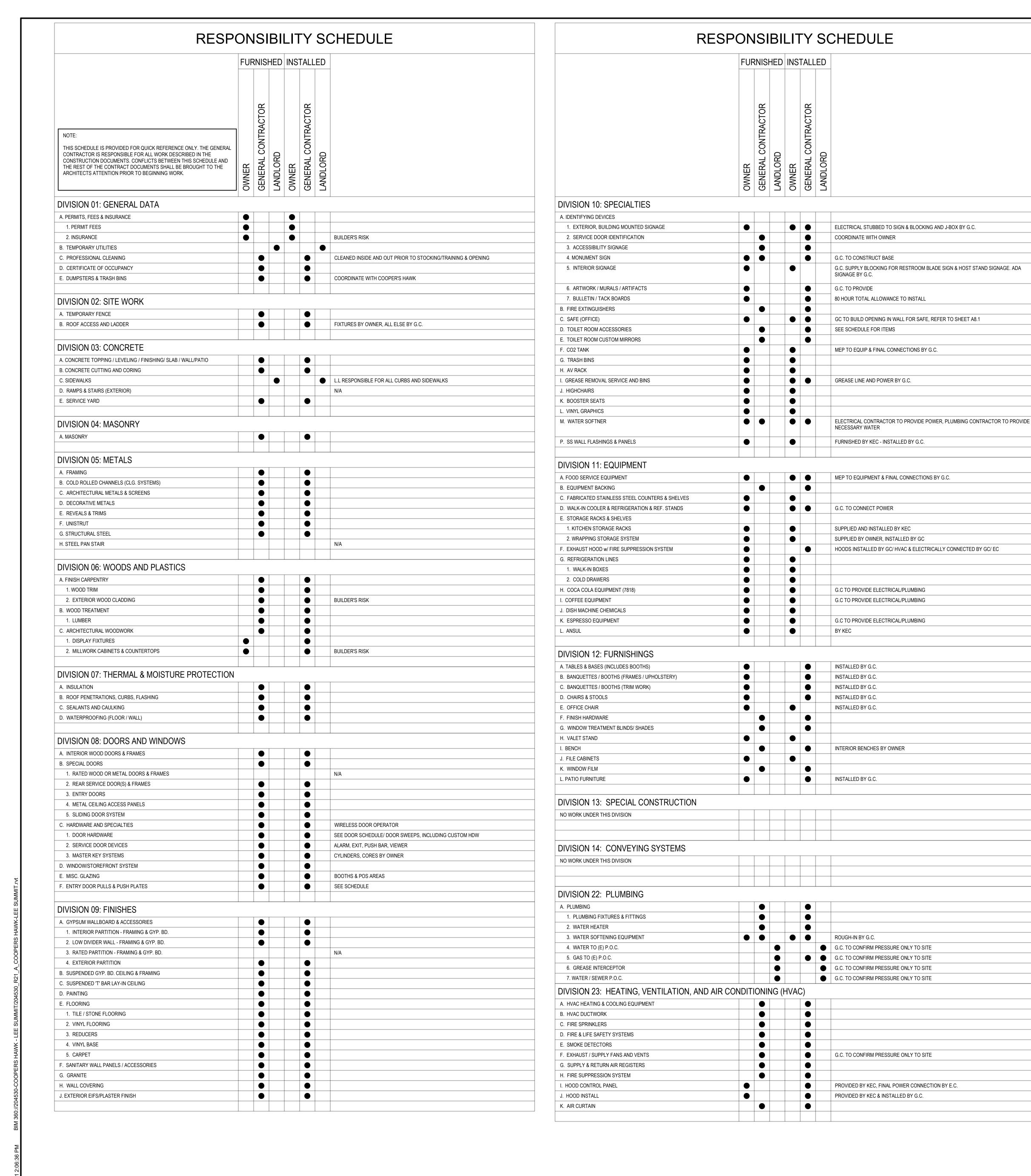
REVISIONS

DANIEL PAUL

Drawing Title GENERAL

BERNATEK

NUMBER



1 \			ווטו			<u> </u>	CHEDULE
	FU	RNIS	HED	INS	TALL	.ED	
	OWNER	GENERAL CONTRACTOR	LANDLORD	OWNER	GENERAL CONTRACTOR	LANDLORD	
DIVISION 26: ELECTRICAL							
A. LIGHTING SYSTEMS (LIGHTING FIXTURES)	•				•		
1. EXTERIOR LIGHTING	•						
2. GENERAL / DECORATIVE					-		
3. TOILET ROOM LIGHTS 4. EXIT & EMERGENCY LIGHTING 5. CHOTOM LIGHTING	•				•		
5. CUSTOM LIGHTING							LIGHTING CUIDDLIED TO DROWIDE 400/ ATTIC CTCC// PLOID FOR COLUMN DID
6. LAMPS / BULBS FOR ALL FIXTURES P. DOWED SYSTEMS							LIGHTING SUPPLIER TO PROVIDE 10% ATTIC STOCK IN BID FOR ALL BULB TYPES
B. POWER SYSTEMS 1. ELECTRIC (E) TO PRIMARY P.O.C.							L.L. RESPONSIBLE FOR TRANSFORMER TO P.O.C
2. MAIN SERVICE CONDUIT							FROM TRANSFORMER TO BUILDING, REFER TO PLANS FOR LOCATION
MAIN SERVICE WIRING							TROW TRANSFORMER TO BUILDING, REFER TO FEARS FOR ESCATION
4. TEMP. DISTRIBUTION PANEL							
5. OUTLETS, SWITCHES, CONDUITS							INCLUDING WIRING
6. FINAL FIXTURE CONNECTIONS		•			•		
C. LOW VOLTAGE							
1. LOW VOLTAGE OUTLETS & PULL WIRE							
2. LOW VOLTAGE CONDUITS & PULL WIRE					•		
D. SECURITY SYSTEM		<u> </u>					
1. CONDUITS AND PULL STRINGS		•					
2. EQUIPMENT AND HOOK-UP	•						COOPER'S HAWK DEVELOPMENT TO COORDINATE
E. A/V SYSTEMS 1. CONDUITS AND PULL STRINGS							
2. STEREO, SPEAKERS & TV'S							
3. CABLING 4. SOUND SYSTEM	•	•		•	•		G.C. TO COORDINATE OPENINGS, REFER TO SHEET T300 CABLING, CONDUIT AND TERMINATIONS, SPEAKER RINGS BY G.C. SPEAKER INSTALL TESTING ETC. BY OWNER
F. P.O.S. EQUIPMENT							
1. EQUIPMENT	•			•			
2. CABLING		•			•		
3. RECEPTACLES		•			•		
4. CONDUIT		•			•		
G. FIRE SYSTEM							
CONDUIT FOR ANSUL SYSTEM w/ PULL STRING FIRE ALARM							CONDUIT W/ PULL STRING BY ELECTRICAL CONTRACTOR
H. TELEPHONE							OUNDOIT WITH OUR DI ELECTRICAL CONTRACTOR
1. TELEPHONE OUTLETS & PULL WIRE							
TELEPHONE CONDUITS AND PULL WIRE							
3. TELEPHONE SYSTEMS	•			•			COOPER'S HAWK DEVELOPMENT TO COORDINATE
I. FANS (PATIO)	•				•		
J. HEATERS (PATIO)	•				•		
K. BUG LIGHTS	•						ELECTRICAL BY G.C.

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/ CHIPMAN LEE'S SUMMIT, 186

COOPER'S HAWK

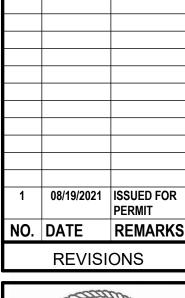
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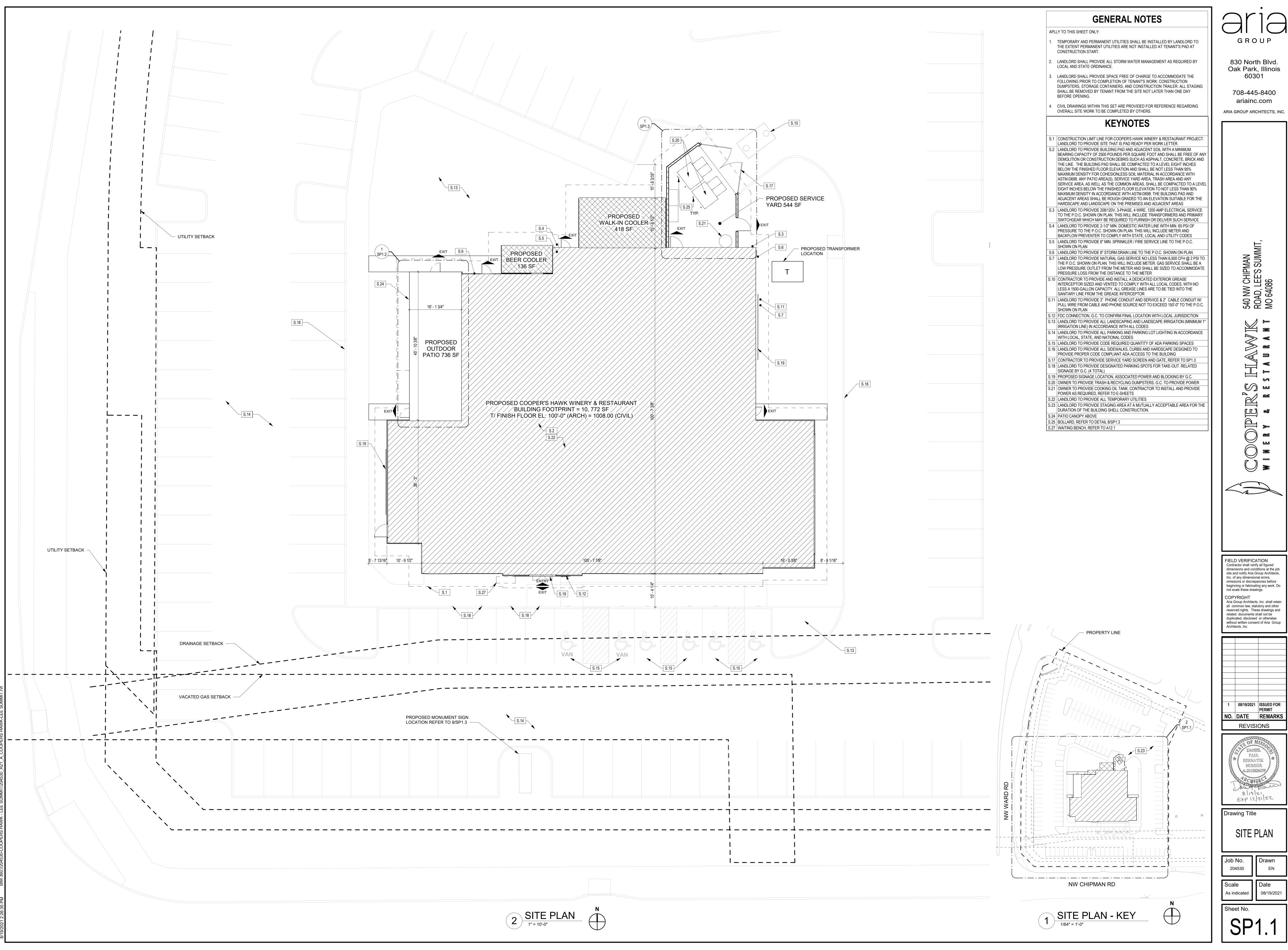
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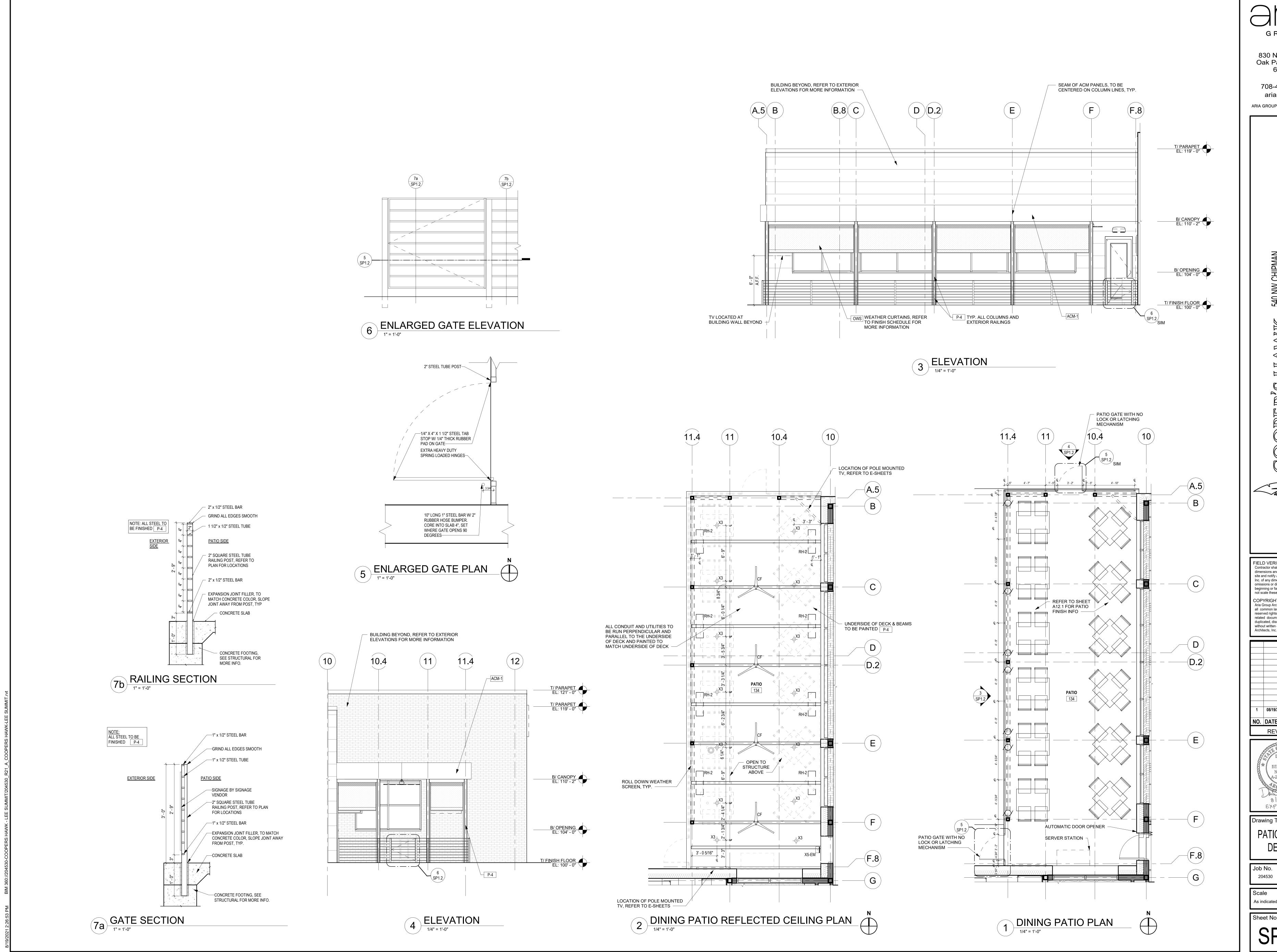
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SITE PLAN

204530

As indicated



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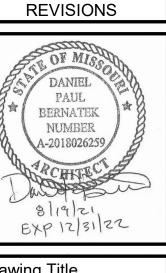
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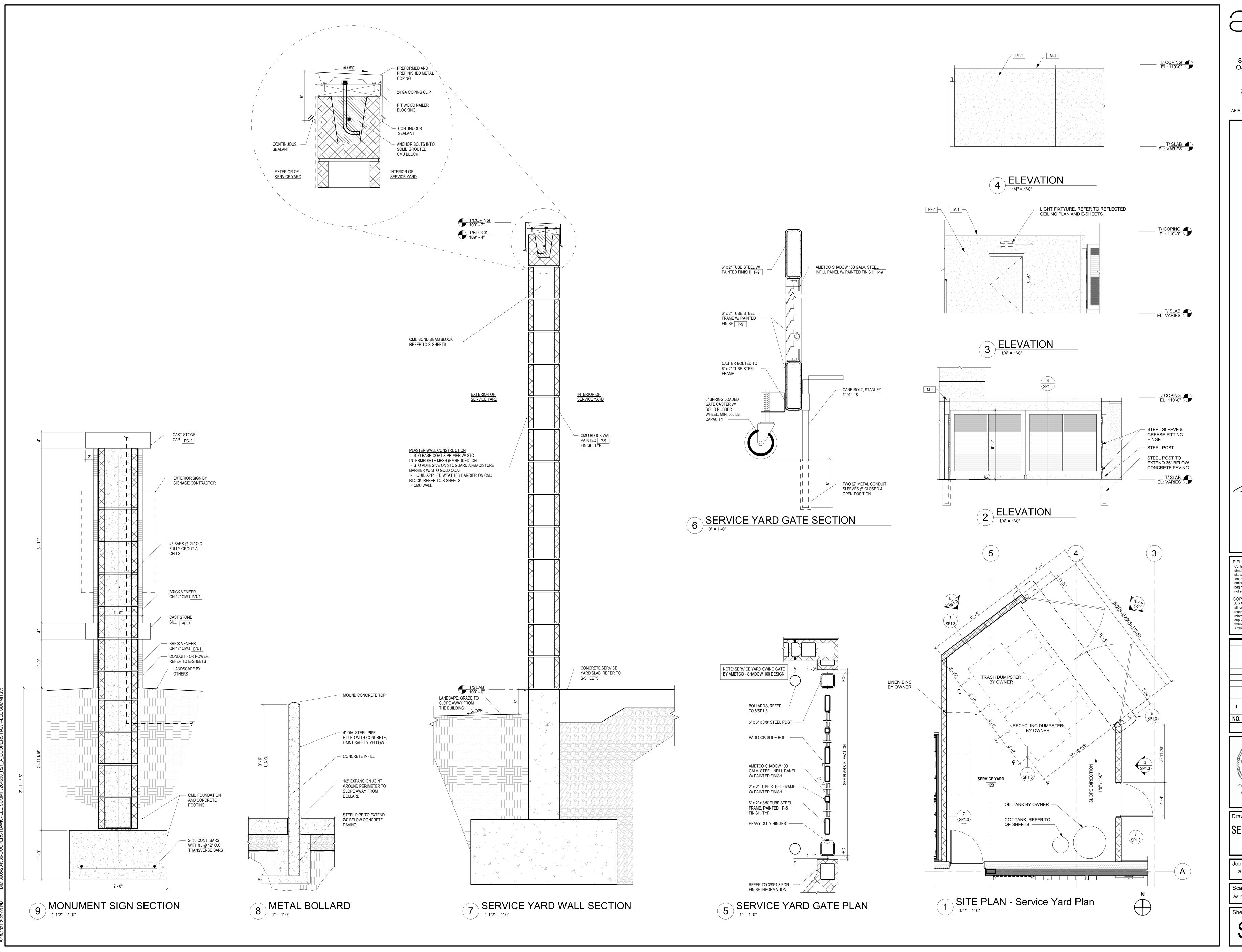


Drawing Title PATIO PLAN & **DETAILS**

204530

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Sheet No. SP1.2



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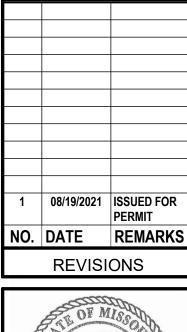
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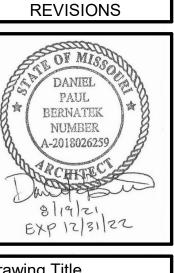
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DETAILS

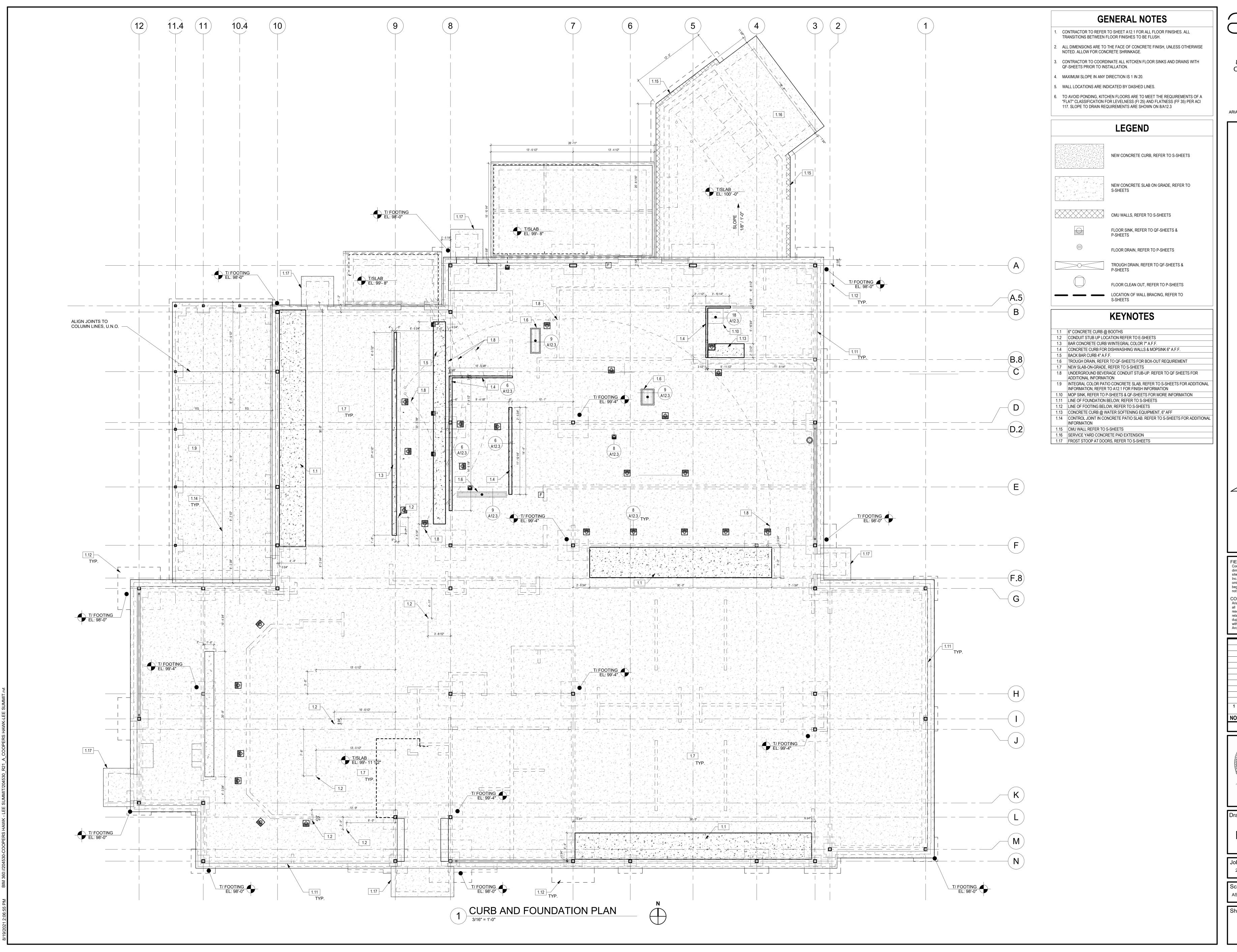
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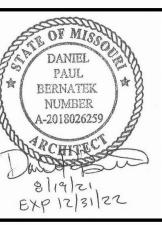
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CURB & FOUNDATION PLAN

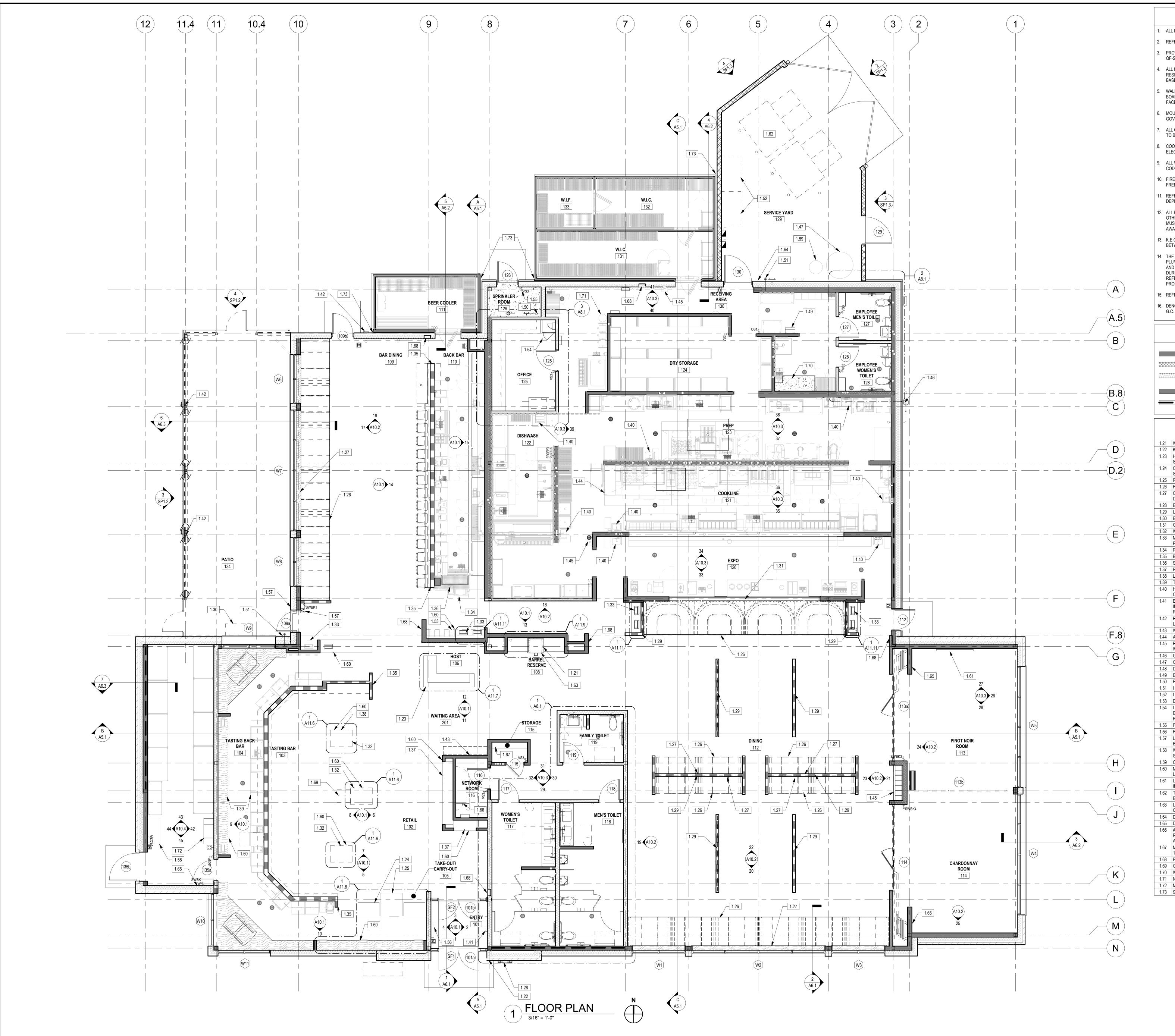
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A1.0



GENERAL NOTES

- . REFER TO QF-SHEETS FOR ROUGH-IN REQUIREMENTS OF KITCHEN EQUIPMENT.
- PROVIDE IN-WALL BLOCKING FOR MILLWORK, SHELVING, PANELS, ETC. REFER TO
- 4. ALL NEW PARTITIONS WITH SINKS AND/OR "WET EQUIP." TO HAVE "WATER RESISTANT GYPSUM BOARD" UNLESS NOTED OTHERWISE, WITH "CEMENT BOARD
- BASE TO 12" A.F.F. . WALLS IN KITCHEN AREAS AND TOILET ROOMS TO HAVE 12" BASE OF 5/8" CEMENT

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dimensions and conditions at the job

site and notify Aria Group Architects,

beginning or fabricating any work. Do

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related documents shall not be

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- BOARD, 4" CEMENT BOARD BASE AT TOILET ROOM WALLS WITH BASE TILE ONLY. FACE OF CEMENT BOARD TO BE FLUSH WITH FACE OF GYPSUM BOARD.
- GOVERNING CODES AND A.D.A. REQUIREMENTS.
- 7. ALL CONTRACTORS TO VERIFY EXISTING SITE CONDITIONS BEFORE ANY WORK IS TO BEGIN, NOTIFY ARCHITECT OF DISCREPANCIES (TYPICAL).
- 8. COORDINATE OUTLETS AT MILLWORK (PHONE, ETC.) WITH MILLWORKER AND ELECTRICAL DRAWINGS. PROVIDE SHOP DRAWINGS FOR REVIEW.
- CODES AND ORDINANCES (TYPICAL).
- 10. FIRE TAPE ONLY "WATER RESISTANT" GYP. BD. BEHIND WALK-IN COOLERS AND
- 11. REFER TO QF-SHEETS AND CURB AND FOUNDATION PLAN FOR FLOOR DRAINS AND DEPRESSION LOCATIONS.
- 12. ALL EXPOSED WATER SUPPLY PIPES, WASTE LINES, ELECTRICAL CONDUIT AND OTHER LIKE ITEMS THAT ARE NOT ABLE TO BE CONCEALED WITHIN WALL VOIDS
- MUST BE INSTALLED A MINIMUM OF SIX INCHES ABOVE THE FLOOR AND ONE INCH AWAY FROM THE WALL, INCLUDING THOSE AT THE BOTTOM OF THE EQUIPMENT.
- BETWEEN COOLER BOX AND WALL CONDITIONS. 14. THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CONSULTANT DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS OR SKETCHES AS MAY BE ISSUED
- REFERRED TO THE SUPERINTENDENT AND ARIA GROUP ARCHITECTS, INC. BEFORE PROCEEDING WITH ANY WORK.
- 16. DENOTES OWNER HANDLING LIST ITEMS, PROVIDED BY OWNER & INSTALLED BY

WALL LEGEND

NEW PARTITION WALL

NEW CMU WALL

NEW PARTITION WALL W/ SOUND ATTENUATION BATTS OR THERMAL INSULATION

NEW LOW HEIGHT PARTITION WALL OR BAR DIE

LOCATION OF WALL BRACING, REFER TO

KEYNOTES

- 1.21 WINE BARREL AND KEG SYSTEM
- 1.22 KNOX KEY BOX TO BE INSTALLED AS REQUIRED BY THE LOCAL AUTHORITY 1.23 HOST STAND BY MILLWORK CONTRACTOR REFER TO SHEET A1.0 FOR ELECTRICAL
- STUB-OUT LOCATIONS. REFER TO SHEET A2.4 FOR LIGHTING REQUIREMENTS 1.24 CARRY-OUT AND CHECK-OUT COUNTERS, BY MILLWORK CONTRACTOR. REFER TO
- 1.25 REFRIGERATED CASE BY KEC, REFER TO QF-SHEETS 1.26 FIXED SEATING, TYP., REFER TO SHEET A12.2
- 1.27 | CONTRACTOR TO PROVIDE IN WALL BLOCKING FOR TABLE SUPPORT, REFER TO
- DETAILS 10 & 11/A12.3 1.28 EXTERIOR ILLUMINATED MENU BOARD
- 1.29 LOW WALL GLASS SCREEN, REFER TO INTERIOR ELEVATIONS 1.30 EXTERIOR STAINLESS STEEL SERVICE STATION, BY KEC, REFER TO QF DRAWINGS
- 1.31 GLASS SCREEN WALL AT EXPO LINE 1.32 WINE DISPLAY CABINETS BY MILLWORK CONTRACTOR
- 1.33 MILLWORK POS BY MILLWORK CONTRACTOR, REFER TO INTERIOR ELEVATIONS. PROVIDE 2" GROMMET HOLES AT ALL P.O.S. COUNTERTOPS
- 1.34 REACH THROUGH BIN @ BAR PICK-UP, REFER TO QF-SHEETS 1.35 BAR DIE WALL AND COUNTERTOP TO HAVE FINISHED EDGE
- 1.36 STAINLESS STEEL CORNER DRAIN BOARD, REFER TO QF-SHEETS
- 1.37 RETAIL DISPLAY BY MILLWORK CONTRACTOR 1.38 LUX WINE DISPLAY, REFER TO INTERIOR ELEVATIONS
- 1.39 TASTING BAR, REFER TO INTERIOR ELEVATIONS 1.40 HANDSINK BY KITCHEN CONTRACTOR WITH TOWEL AND SOAP DISPENSER BY
- OWNER, REFER TO QF-SHEETS 1.41 EASEL BOARD PROVIDED BY MILLWORKER, INSTALLED BY CONTRACTOR PROVIDE
- IN WALL BLOCKING AS REQUIRED. REFER TO E-SHEETS FOR POWER REQUIREMENTS 1.42 ROOF DRAIN & OVERFLOW DRAIN LOCATION, COORDINATE ANY CLEANOUT
- LOCATIONS W/ ARCHITECT. REFER TO DETAIL 9/A3.2 1.43 WAITING BENCH
- 1.44 ANSUL FIRE SYSTEM, TO BE COORDINATED W/ KITCHEN 1.45 REMOTE ANSUL FIRE PULL STATION, REFER TO QF-SHEETS, CONFIRM LOCATIONS
- W/ FIRE INSPECTOR PRIOR TO INSTALLATION, TO BE COORDINATED W/ KITCHEN 1.46 GAS METER PROVIDED BY LANDLORD, REFER TO SP1.1
- 1.47 OIL TANK, BY OWNER, INSTALLED BY G.C. REFER TO SP1.3 AND P-SHEETS
- 1.48 DECANTER DISPLAY 1.49 | EQUIPMENT PLATFORM ACCESS LADDER, REFER TO SHEET A3.2
- 1.50 FIRE RISER LINE, REFER TO P-SHEETS 1.51 HOSE BIBB, REFER TO P-SHEETS
- 1.52 LAUNDRY BINS LOCATED IN SERVICE YARD, REFER TO SP1.3
- 1.53 DECANTER COUNTER & STORAGE CABINET 1.54 LOCATION OF GARDALL OFFICE SAFE (HINGED RIGHT, LOAD RIGHT). COORDINATE
- EXACT LOCATION & HEIGHT OF DROP-OFF WINDOW IN WALL W/ SAFE LOCATION. REFER TO SHEET A8.1
- 1.55 FIRE ALARM CONTROL PANEL, REFER TO E-SHEETS 1.56 FIRE ALARM ANNUNCIATOR PANEL, REFER TO E-SHEETS
- 1.58 WRAPPING COUNTER, CONTRACTOR TO PROVIDE IN-WALL BLOCKING, REFER TO SHEET 7/A11.10
- 1.59 CO2 TANK BY OWNER, INSTALLED BY G.C 1.60 MILLWORK DISPLAY TO HAVE INTEGRATED LIGHTING, REFER TO MISCELLANEOUS
- LIGHTING DETAILS ON SHEET A2.4 FOR ADDITIONAL INFORMATION 1.61 LOCATION OF TV, REFER TO INTERIORS ELEVATIONS & E-SHEETS FOR ADDITIONAL
- 1.62 TRASH COMPACTORS IN SERVICE YARD, BY OWNER, REFER TO SP1.3 AND
- 1.63 LINE LOCATION FROM NITROGEN TANK TO BARREL RESERVE, REFER TO
- QF-SHEETS & P-SHEETS. TERMINATE INSIDE CABINET @ 36" AFF 1.64 DOOR BUZZER LOCATION. REFER TO E-SHEETS FOR MORE INFORMATION
- 1.65 DIMMER SWITCH BANK, REFER TO E-SHEETS 1.66 AV EQUIPMENT BY OWNER, REFER TO E-SHEETS FOR POWER AND DATA
- REQUIREMENTS. G.C. TO KEEP ALL PLUMBING AND ROOF PENETRATIONS FROM ABOVE OR BELOW THIS AREA 1.67 MARKETING, TOILET & HIGHCHAIR STORAGE. REFER TO DETAILS 6/A11.10 &
- 1.68 FIRE EXTINGUISHER CABINET, REFER TO EM1.1 1.69 GIFT DISPLAY BY OWNER
- 1.70 WATER SOFTENING EQUIPMENT, REFER TO P-SHEETS
- 1.71 NITROGEN TANK BY OWNER, INSTALLED BY G.C.
- 1.72 METAL CART WORK STATION BY OWNER
 1.73 STAINLESS STEEL INSIDE ANGLE CORNER GUARDS AT EXTERIOR COOLERS

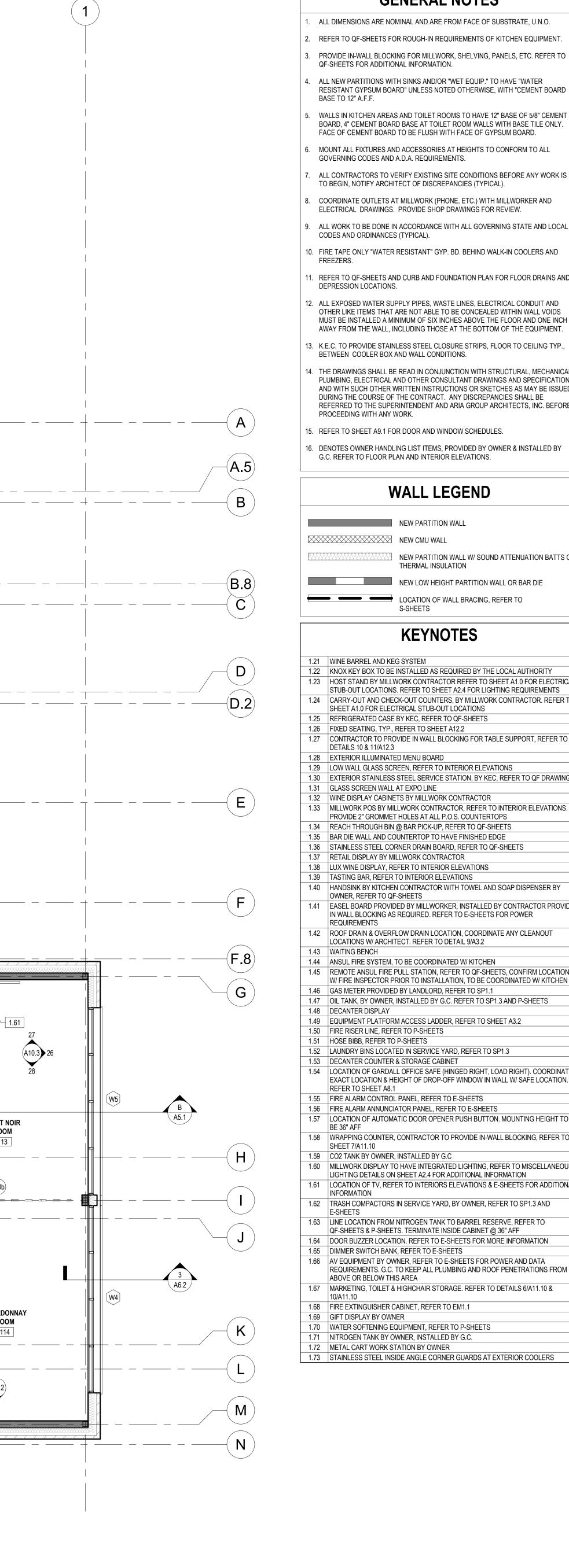
NOTED FLOOR PLAN

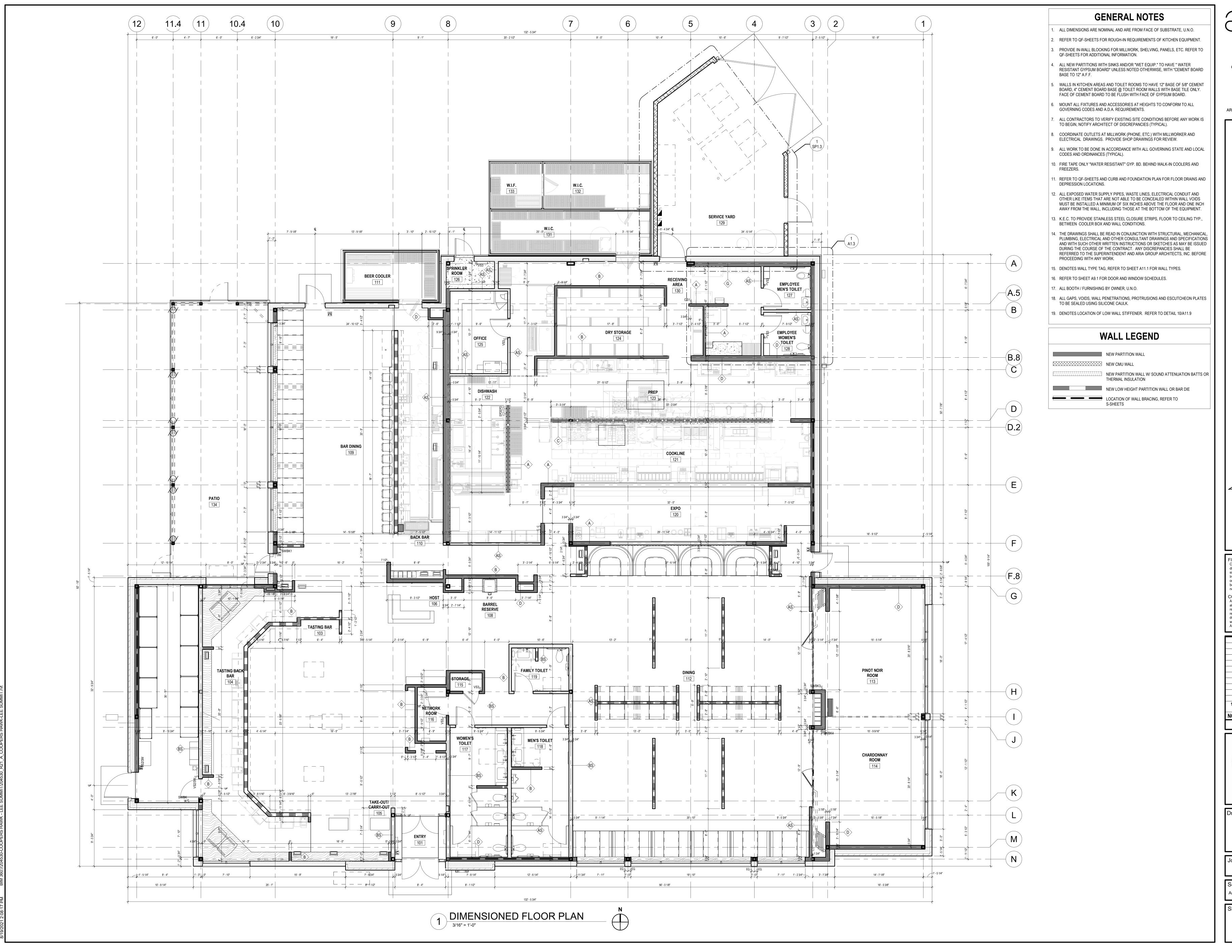
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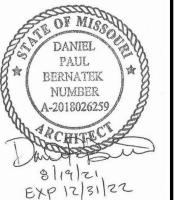
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FLOOR PLAN

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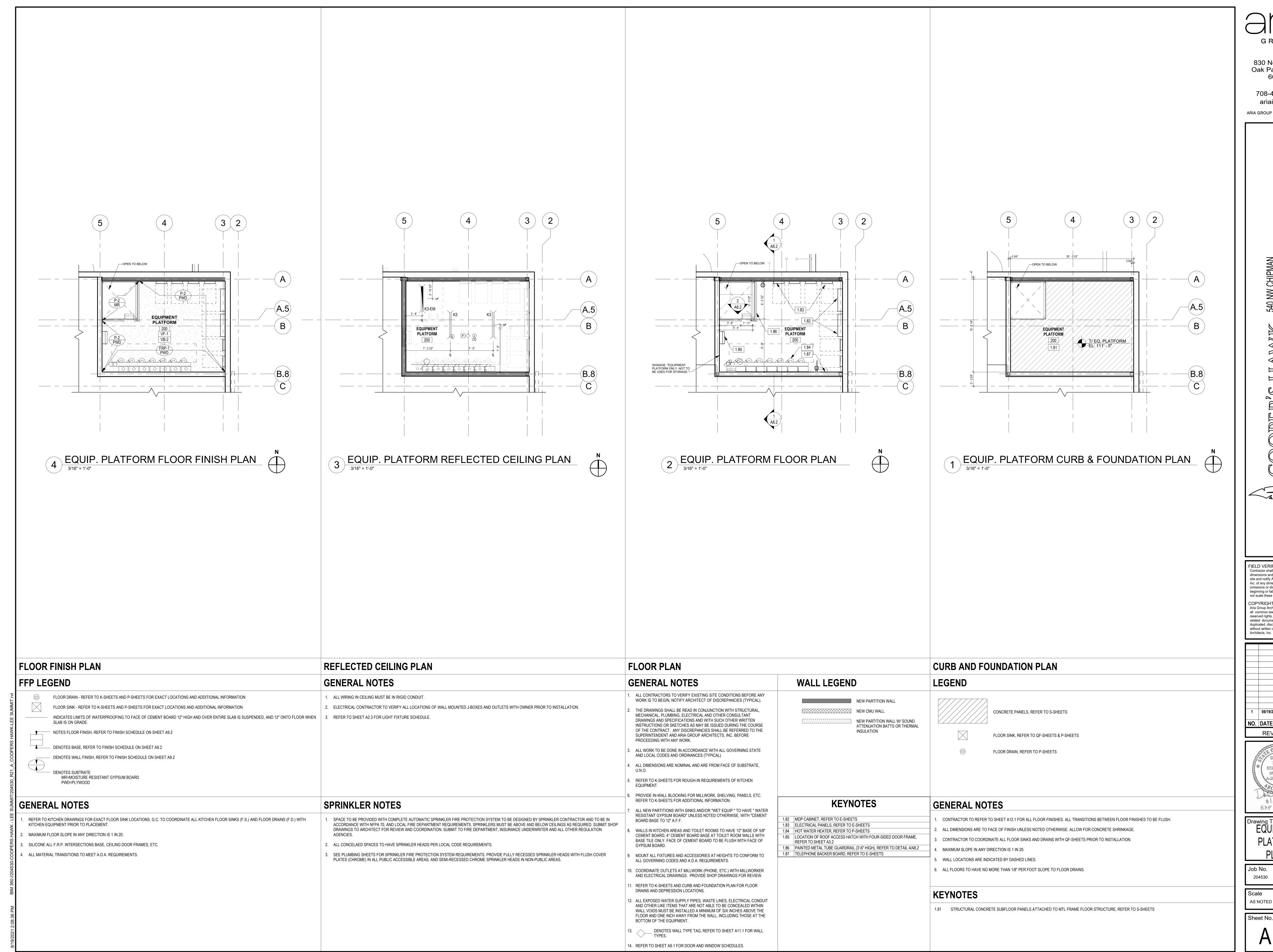
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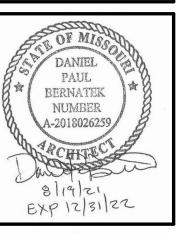
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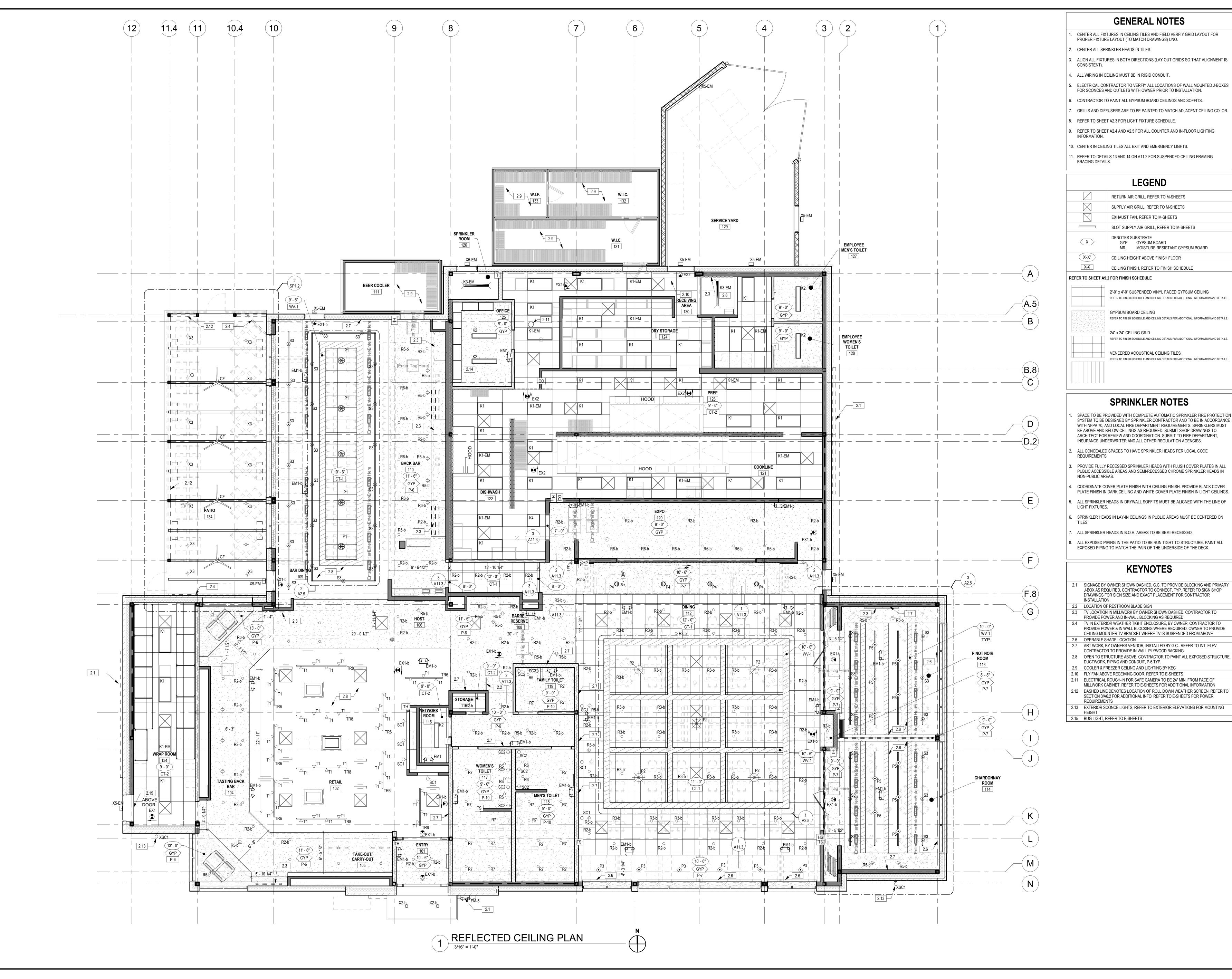
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- . CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERFIY GRID LAYOUT FOR
- 3. ALIGN ALL FIXTURES IN BOTH DIRECTIONS (LAY OUT GRIDS SO THAT ALIGNMENT IS
- 5. ELECTRICAL CONTRACTOR TO VERFIY ALL LOCATIONS OF WALL MOUNTED J-BOXES
- 6. CONTRACTOR TO PAINT ALL GYPSUM BOARD CEILINGS AND SOFFITS.

- 11. REFER TO DETAILS 13 AND 14 ON A11.2 FOR SUSPENDED CEILING FRAMING

RETURN AIR GRILL, REFER TO M-SHEETS
SUPPLY AIR GRILL, REFER TO M-SHEETS
EXHAUST FAN, REFER TO M-SHEETS

2'-0" x 4'-0" SUSPENDED VINYL FACED GYPSUM CEILING REFER TO FINISH SCHEDULE AND CEILING DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

REFER TO FINISH SCHEDULE AND CEILING DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

REFER TO FINISH SCHEDULE AND CEILING DETAILS FOR ADDITIONAL INFORMATION AND DETAILS.

- SYSTEM TO BE DESIGNED BY SPRINKLER CONTRACTOR AND TO BE IN ACCORDANCE WITH NFPA 70, AND LOCAL FIRE DEPARTMENT REQUIREMENTS. SPRINKLERS MUST BE ABOVE AND BELOW CEILINGS AS REQUIRED. SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND COORDINATION. SUBMIT TO FIRE DEPARTMENT,
- ALL CONCEALED SPACES TO HAVE SPRINKLER HEADS PER LOCAL CODE
- 3. PROVIDE FULLY RECESSED SPRINKLER HEADS WITH FLUSH COVER PLATES IN ALL PUBLIC ACCESSIBLE AREAS AND SEMI-RECESSED CHROME SPRINKLER HEADS IN
- 4. COORDINATE COVER PLATE FINISH WITH CEILING FINISH. PROVIDE BLACK COVER PLATE FINISH IN DARK CEILING AND WHITE COVER PLATE FINISH IN LIGHT CEILINGS.
- 5. ALL SPRINKLER HEADS IN DRYWALL SOFFITS MUST BE ALIGNED WITH THE LINE OF
- 6. SPRINKLER HEADS IN LAY-IN CEILINGS IN PUBLIC AREAS MUST BE CENTERED ON

- 8. ALL EXPOSED PIPING IN THE PATIO TO BE RUN TIGHT TO STRUCTURE. PAINT ALL
- 2.1 SIGNAGE BY OWNER SHOWN DASHED, G.C. TO PROVIDE BLOCKING AND PRIMARY J-BOX AS REQUIRED, CONTRACTOR TO CONNECT, TYP. REFER TO SIGN SHOP DRAWINGS FOR SIGN SIZE AND EXACT PLACEMENT FOR CONTRACTOR
- 2.4 TV IN EXTERIOR WEATHER TIGHT ENCLOSURE, BY OWNER. CONTRACTOR TO PROVIDE POWER & IN WALL BLOCKING WHERE REQUIRED. OWNER TO PROVIDE CEILING MOUNTER TV BRACKET WHERE TV IS SUSPENDED FROM ABOVE
- ART WORK, BY OWNERS VENDOR, INSTALLED BY G.C.. REFER TO INT. ELEV.
- 2.8 OPEN TO STRUCTURE ABOVE, CONTRACTOR TO PAINT ALL EXPOSED STRUCTURE,
- 2.11 ELECTRICAL ROUGH-IN FOR SAFE CAMERA TO BE 24" MIN. FROM FACE OF
- 2.12 DASHED LINE DENOTES LOCATION OF ROLL DOWN WEATHER SCREEN. REFER TO
- 2.13 EXTERIOR SCONCE LIGHTS, REFER TO EXTERIOR ELEVATIONS FOR MOUNTING

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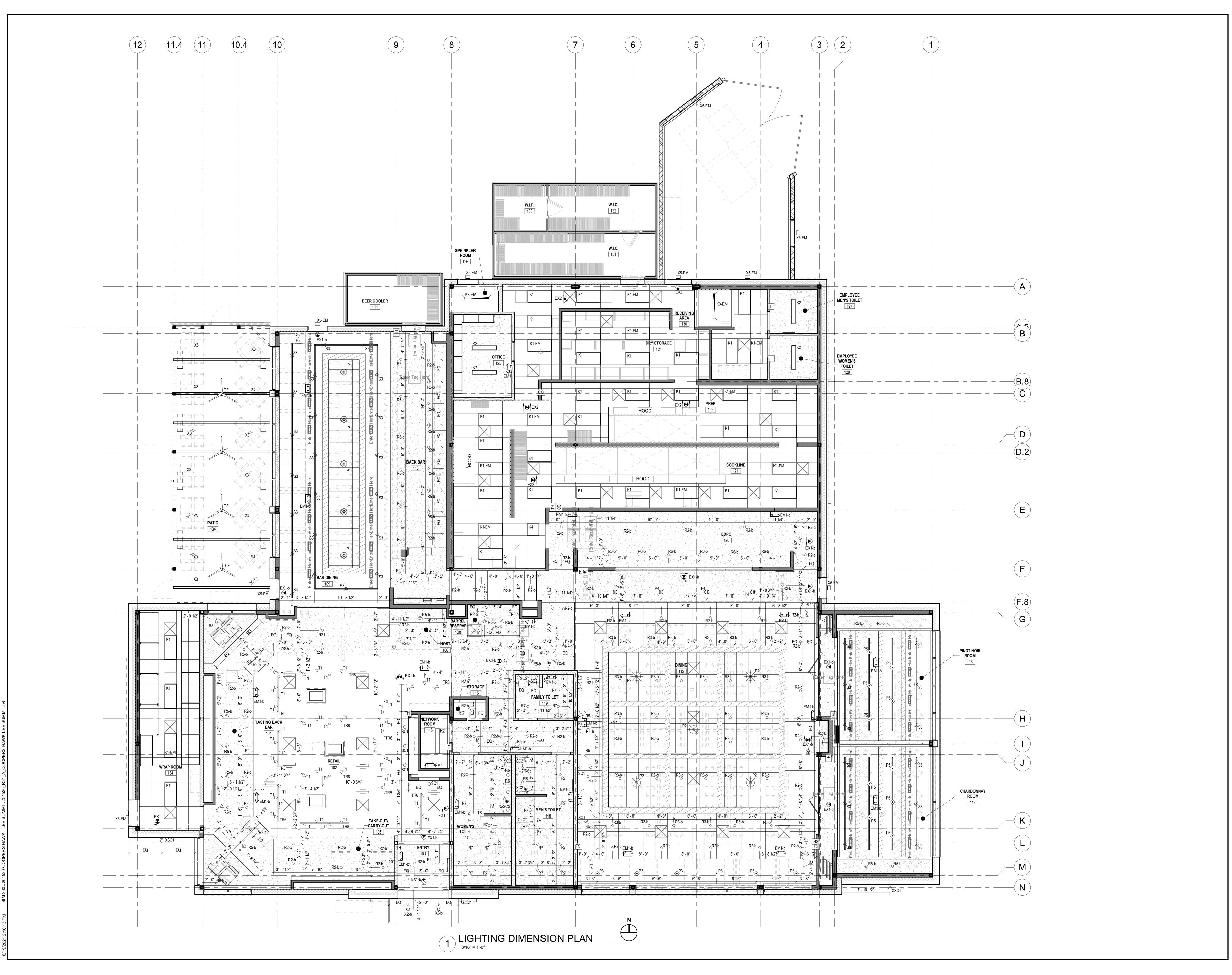
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CEILING PLAN

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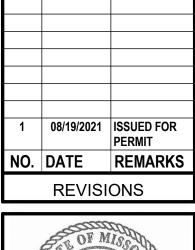
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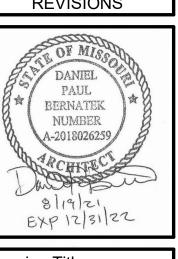
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Drawing Title

LIGHTING

DIMENSION PLAN



204530 GM

Scale
3/16" = 08/19/2

GENERAL NOTES
1. BLACK TRIM RINGS TO BE FACTORY PAINTED SHERWIN WILLIAMS CARBIDE BLACK POLANE T (RAL# F63B12), AND ARE NOTED BY A -b IN THE FIXTURE TAG.
2 ALL LAMPS SHALL RE SVI VANIA PHILIPS SATCO OR TCP LINLESS NOTED OTHERWISE AND PROVIDED BY G.C.

2. ALL LAMPS SHALL BE SYLVANIA, PHILIPS, SATCO, OR TCP, UNLESS NOTED OTHERWISE AND PROVIDED BY G.C.

3. ALL INTERIOR AND EXTERIOR SURFACE AND RECESSED LIGHT FIXTURES SHALL BE LABELED "U.L. LISTED."

4. BATTERY PACKS PROVIDED FOR ALL EXIT SIGNS AND EMERGENCY EGRESS FIXTURES SHALL BE RATED FOR MINIMUM 90 MINUTE OPERATION AT FULL OUTPUT.

5. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND/OR THE MISCELLANEOUS LIGHTING DETAIL SHEETS FOR EXACT LOCATIONS OF LIGHT FIXTURES.
 6. FOR ALL LIGHTOLIER/DAYBRITE/GARDCO/PHILIPS/CHLORIDE LIGHTING FIXTURES, CONTACT JULIE BLANKENHEIM, 630-488-7403.

			ARCHITEC	UKALI		FIXTURE SCHEDULE	
TYPE		MANUFACTURER / MODEL #	LAMP	VOLTAGE	WATTS	VA DESCRIPTION	QUANT
		DAYBRITE OF VOCAL LIBOUARIAN (DIM	INTEGRAL LED	UNIVERSAL	55	2'X4', RECESSED 3000K LED TROFFER, PRISMATIC LENS AND ELECTRONIC BALLAST,	29
		2EVG54LH8304DUNVDIM				@ B.O.H.	
-E		DAYBRITE	INTEGRAL LED	UNIVERSAL	55		11
		2EVG54LH8304DUNVDIM-EMLED				BATTERY PACK FOR TWO LAMPS RATED FOR 1100 TO 1400 LUMENS, @ B.O.H.	
,		DAYBRITE	(2) 14WTLED PHILIPS	UNIVERSAL	28	4'-0", STANDARD STRIP WITH 2-LAMP T8, AND ELECTRONIC BALLAST,	2
	\equiv	T232-UNV-1/2-EB-IOP232-LWN-FKR-126-CG-4 INSTANT START BALLAST	INSTANT FIT- 3000K			WITH WIRE GUARD AND CHAIN HANGER KIT	
i-E		DAYBRITE TOOL OF THE PLAN OF T	(2) 14WTLED PHILIPS	UNIVERSAL	28	4'-0", STANDARD STRIP WITH 2-LAMP T8, AND ELECTRONIC BALLAST AND EMERGENCY BATTERY	2
		T232-120-1/2-EB10R-E5-FKR-126-CG-4 INSTANT START BALLAST &	INSTANT FIT- 3000K			PACK, WITH WIRE GUARD AND CHAIN HANGER KIT	
		EMERGENCY BATTERY PACK DAYBRITE	(2) 14WTLED PHILIPS	UNIVERSAL	28	2'X2', RECESSED DIMMABLE 3000K LED @ B.O.H.	1
	7	2EVG30L830-2-D-UNV-DIM	INSTANT FIT- 3000K				
51		NOVA FLEX NF-PRO-0-120-24V-2700K	WARM WHITE LED, LAMP INTEGRAL	12V	PER DRIVER	DIMMING COMPATIBILITY TO BE VERIFIED BY PROJECT, 0-10V AND MLV DIMMING DRIVERS ARE AVAILABLE.	45
						REFER TO RCP & MISC. LIGHTING DETAIL SHEETS FOR QUANTITY/LOCATION. LED TAPE LIGHT. SURFACE MOUNTED w/ LOW PROFILE CHANNEL (CONCEALED). CLEAR PANEL USE	D
						FOR TASK LIGHTING AND AND SOFT PANEL USED FOR MILLWORK & SUSPENDED BARREL LIGHTING	
3		ONMILIGHT FIXTURE: GEN-27-SHO-CC	2700K LED	24V	5.3 / FT	DIMMING COMPATIBILITY TO BE VERIFIED BY PROJECT, 0-10V AND MLV DIMMING DRIVERS ARE AVAILABLE.	6
		LEADER:- DRIVERS AS REQUIRED PER PLAN				REFER TO RCP & MISC. LIGHTING DETAIL SHEETS FOR QUANTITY/LOCATION. STRIP LIGHT AT MILLWORK WINE DISPLAYS	
?-b		LIGHTOLIER FRAME: 4RN	2700K LED	120V	11	4" LED RECESSED DOWNLIGHT - DIMMABLE WITH 0-10V DIMMER (INTERNAL LENS STANDARD IS APPROVED FOR OVER FOOD SERVICE)	76
)	ENGINE: C4L10827MZ10U TRIM: C4RDLCL - PAINT BLACK				BLACK FLANGE. MEDIUM SPREAD BEAM. 1000 LUMENS - USE FOR CEILING HEIGHTS BETWEEN 9' AND 12'	
3-b		LIGHTOLIER FRAME: 3RN	2700K LED	120V	13	3" RECESSED ADJUSTABLE PINHOLE APERTURE DOWNLIGHT - DIMMABLE WITH 0-10V DIMMER PINHOLE SPOT LIGHT. BLACK FLANGE	32
)	ENGINE: C3RA10927NSZ10U TRIM: C3RAPBKBK - PAINT BLACK				1000 LUMENS - USED TO LIGHT TABLES	
5		LIGHTOLIER FRAME: 3RN	2700K LED	120V	13	3" RECESSED ADJUSTABLE APERTURE 1,000 LUMEN LED ACCENT LIGHT. DIMMABLE WITH 0-10V DIMMER	11
		ENGINE: C3RA10927FLZ10U TRIM: C3RACL				WHITE FLANGE WIDE FLOOD-USED FOR CEILING HEIGHTS 10'-12'	
5-b		LIGHTOLIER FRAME: 3RN	2700K LED	120V	13	3" RECESSED ADJUSTABLE APERTURE 1,000 LUMEN LED ACCENT LIGHT. DIMMABLE WITH 0-10V DIMMER	17
C	\supset	ENGINE: C3RA10927FLZ10U TRIM: C3RACL - PAINTED BLACK				BLACK FLANGE WIDE FLOOD-USED FOR CEILING HEIGHTS 10'-12'	
3		LIGHTOLIER LYTECASTER	2700K LED	120V		RECESSED ADJUSTABLE LED DOWNLIGHT WITH PINHOLE APERTURE. DIMMABLE WITH 0-10V	6
		FRAME-IN-KIT: L3NZ10U LIGHT ENGINE: L308927NF ROUND TRIM: L3RAPW				DIMMER WHITE FLANGE USED FOR CEILING HEIGHTS BETWEEN 8'-10'	
6-b		LIGHTOLIER LYTECASTER	2700K LED	120V		RECESSED ADJUSTABLE LED DOWNLIGHT WITH PINHOLE APERTURE. DIMMABLE WITH 0-10V	12
C	\supset	FRAME-IN-KIT: L3NZ10U LIGHT ENGINE: L308927NF				DIMMER BLACK FLANGE	
,		ROUND TRIM: L3RAPW - PAINTED BLACK LIGHTOLIER	2700K LED	120V	21	USED FOR CEILING HEIGHTS BETWEEN 8'-10' 4" ROUND DOWNLIGHT	18
		FRAME IN KIT: 4RN LIGHT ENGINE: P4RDL20827CLZ10U				WHITE FLANGE USED IN RESTROOMS	
		LUCIFER LIGHTING COMPANY PUKLED LPK SEMI-RECESSED LED	4.3W AC LED	120V/12V	4.3	SEMI-RECESSED PUK LIGHT WITH BLACK TRIM RING. PROVIDE WITH REMOTE POWER SUPPLY. REFER TO RCP & MISC. LIGHTING DETAIL SHEETS FOR QUANTITY/LOCATION AND INSTALLATION	21
		LPK-1-80L-02A-27-B				TYPE. USED FOR MILLWORK LIGHTING	
3-b		JUNO - TRAC MASTER AVANT GARDE CYLINDRA T254L 27K 80CRI PDIM SP B	2700K 80 CRI 15W LED SP	120V	15	SURFACE MOUNTED MONOPOINT WITH CANOPY AND ELV TRANSFORMER	34
						- = MONOPOINT W/ NO STEM a = MONOPOINT W/ 12" STEM	
						b = MONOPOINT W/ 18" STEM c = MONOPOINT W/ 24" STEM	
-¢	} -					* NOTE: STEMS CAN BE COMBINED FOR ADDITIONAL LENGTHS AND ARE NOTED BY TWO LETTERS SURFACE MOUNTED MONOPOINT WITH CANOPY AND ELV TRANSFORMER	
						- = MONOPOINT W/ NO STEM	
						a = MONOPOINT W/ 12" STEM b = MONOPOINT W/ 18" STEM	
						c = MONOPOINT W/ 24" STEM	
						* NOTE: STEMS CAN BE COMBINED FOR ADDITIONAL LENGTHS AND ARE NOTED BY TWO LETTERS	
	7	LIGHTOLIER MODEL: LT08RNF827BKVA/6074BK	2700K LED	120V	9	LED TRACK HEAD, 2700K IN BLACK NARROW FLOOD DISTRIBUTION, ELV DIMMING BLACK FINISH. 18" STEM.	43
\vee	/						
R6 TR4	∇	LIGHTOLIER 6006NBK 6' TRACK				LIGHTOLIER BASIC LYTESPAN SINGLE CIRCUIT TRACK BLACK FINISH	7
		6048NBK LIVE END				REFER TO PLAN FOR TRACK HEADS	
R8 TR4 _{\(\tau\)}	∇	LIGHTOLIER 6008NBK 8' TRACK			-	LIGHTOLIER BASIC LYTESPAN SINGLE CIRCUIT TRACK BLACK FINISH	4
V		6048NBK LIVE END				REFER TO PLAN FOR TRACK HEADS	

	EXTERIOR LIGHT FIXTURE SCHEDULE									
TYPE	MANUFACTURER / MODEL #	LAMP	VOLTAGE	WATTS	VA	DESCRIPTION	QUANTITY			
CF	FANIMATION SPITFIRE (DAMP RATED) MODEL: MA6721BK BLADES: B6720	-	120V			MOTOR ASSEMBLY: MATTE GREIGE FAN ASSEMBLY BLADES: 60" SWEEP SPITFIRE NATURAL WOOD BLADE SET W/ FAN CONTROL BY LUTRON MODEL #DVFSQ-F-BL	4			
RH-2	SOLAIRA ICR SERIES MODEL: SICR4024OB-SMART34-DV-SM-WSD		208V	3,000		ELECTRIC HEATER AT PATIO, SOLAIRA SMART 16A DUAL VOLTAGE VARIABLE CONTROL, 34.5"L x 10"W x 4.33"D DUAL VOLTAGE DIGITAL CONTROLLER: SMART34-DV WALL SWITCH FOR SMART34-DV: SM-WSD BLACK FINISH MOUNT HEATER AT 45 DEGREE ANGLE W/ STANDARD FACTORY BRACKET	8			
X2-b	Y079GKHWVB MODEL#: SJ1DL6D-18W30		110V	18W		RECESSED LED DOWNLIGHT. UL WET LOCATION LISTED. BLACK FLANGE USED FOR EXTERIOR CANOPY DOWNLIGHTING PROVIDED BY CANOPY MANUFACTURER	2			
X3	RAB LIGHTING LFP16B	(1) 7 WATT TCP LED7P1627KFL	120V	60		LAMP BEAM ANGLE TO BE 30 DEGREE SPREAD BLACK FINISH SURFACE LIGHTING USED AT REGULAR HARD LID PATIO CANOPIES	20			
X5-E M ·	GARDCO 121-16L-700-WW-G4-3-EBPC-120-BK	LED	120V			SURFACE MOUNTED 2 LAMP LED WALL PACK WITH MEDIUM THROW CUT OFF OPTICS AND EMERGENCY BATTERY OPTION. BLACK FINISH	9			
XSC1	DECORATIVE SCONCE MFR: WAC LIGHTING STYLE: MRUBIX DOUBLE WALL MOUNT MODEL: WS-W2505-BK	3000K LED	120V	30W		FINISH: BLACK SIZE: 5" W X 5" H X 6-1/2"D LOCATION: EXTERIOR WALL REFER TO ELEVATIONS FOR MOUNTING HEIGHT	4			

	TYPE	MANUFACTURER / MODEL #	LAMP	VOLTAGE	WATTS VA	DESCRIPTION	QUANTITY
EM1		EXITRONIX LED-90	LED	120V	12	EMERGENCY LIGHTING FOR FRONT OF HOUSE. WHITE HOUSING	2
EM1-b		EXITRONIX LED-90BL	LED	120V	12	EMERGENCY LIGHTING FOR FRONT OF HOUSE. BLACK HOUSING	21
EM5		PHILIPS - CHLORIDE FUSION III F3-N-B-31KIC	T-5 WEDGE BASE TUNGSTEN LAMP	120V	5.4	RECESSED DECORATIVE ARCHITECTURAL EMERGENCY LIGHT, UL DAMP LOCATION LISTED BLACK FINISH	1
EX1	\otimes	PHILIPS - CHLORIDE CALIBER SERIES CN6RWW21C	LED INCLUDED WITH UNIT	120V	3.8	SINGLE-SIDED, WALL OR CEILING MOUNTED, EDGE-LIT, LED EXIT SIGN TO BE USED IN FRONT OF HOUSE. WHITE FINISH	1
EX1-b	\otimes	PHILIPS - CHLORIDE CALIBER SERIES CN6RWB21C	LED INCLUDED WITH UNIT	120V	3.8	WALL OR CEILING MOUNTED, EDGE-LIT, LED EXIT SIGN TO BE USED IN FRONT OF HOUSE BLACK FINISH	13
EX2	\otimes	PHILIPS CHLORIDE VE SERIES VERWEM	LED INCLUDED WITH UNIT	120V	3.62	LED EXIT SIGN WITH THERMOPLASTIC HOUSING AND 2 STENCIL FACES TO BE USED IN BACK OF HOUSE WHITE FINISH	5

DECORATIVE LIGHT FIXTURE SCHEDULE									
TYPE	MANUFACTURER / MODEL #	LAMP	VOLTAGE	WATTS	VA	DESCRIPTION	QUANTITY		
1	DECORATIVE PENDANT MFR: KUZCO LIGHTING STYLE: DECO MODEL: PD61412-CL/BK	3000K INTEGRAL LED DIMMABLE	120V	29W		FINISH: BLACK/CLEAR SIZE: 17.75" W X 14" H LOCATION: BAR MOUNT AT 7'-6" A.F.F.	5		
2	DECORATIVE PENDANT MRF: TROY LIGHTING STYLE: ELLIOT MODEL: F6223	(8) SATCO S2954T 4W DIMMABLE LED / G9 WEDGEBASE XENON / 2700K	120V	32W		FINISH: TEXTURED BLACK SIZE: 44" DIA x 25" H LOCATION: DINING, MOUNT AT 8'-0" A.F.F.	5		
(DECORATIVE PENDANT MRF: TROY LIGHTING STYLE: RAEF MODEL: F6313	(1) MAXLITE T8 JA8 4W DIMMABLE LED / 2700K	120V	4W		FINISH: TEXTURED BRONZE BRUSHED BRASS SIZE: 7"W x 15"H LOCATION: DINING ROOM PULLMAN BOOTHS, REFER TO INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS	6		
♦	DECORATIVE PENDANT MRF: TROY LIGHTING STYLE: BERLIN MODEL: F5852	(1) 14W LED / BULB INCLUDED	120V	14W		FINISH: GUN METAL SIZE: 15.5"W x 13.75"H LOCATION: DINING ROOM U-BOOTHS, REFER TO INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS	4		
♦	DECORATIVE PENDANT MRF: TROY LIGHTING STYLE: DISTRICT MODEL: F5571	(1) SATCO S9582 6.5W DIMMABLE LED / T9 (8") / E26 / CLEAR / 2700K	120V	6.5W		FINISH: SATIN BLACK/TOPAZ GLASS SIZE: 8"W x 15.75"H LOCATION: PRIVATE DINING ROOM, REFER TO ENLARGED PLAN FOR MOUNTING HEIGHTS	10		
5 1	WALL SCONCE MFR: ONE FOURTY THREE STYLE: WALLACE LAMP MODEL:	(1) SATCO S9564 6.5W DIMMABLE LED E25 / CLEAR /2700K	120V	6.5W		FINISH: BLACK LAMP W/ BRASS SHADE/BRASS HARDWARE SIZE: 5" PLATE X 17" H X 12" D LOCATION: RETAIL	7		
5	WALL SCONCE MFR: MITZI STYLE: BELINDA MODEL: H415101A-OB	(1) SATCO S9564 6.5W DIMMABLE LED E26 / CLEAR / 2700K	120V	6.5W		FINISH: OLD BRONZE SIZE: 6" W X 14" W X 7" H LOCATION: BATHROOMS	9		
L1	TABLE LAMP MFR: PAGE ONE LIGHTING STYLE: CENTURY LED TABLE LAMP MODEL:	3000K INTEGRAL LED DIMMABLE	120V	7W		FINISH: SATIN FARK GRAY WITH SMOKE GLASS SIZE: 5.9" DIA X 17.6" H LOCATION: HOST STAND	1		

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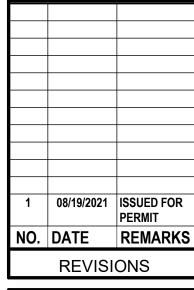
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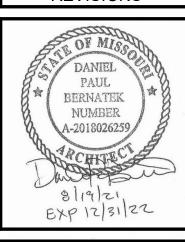
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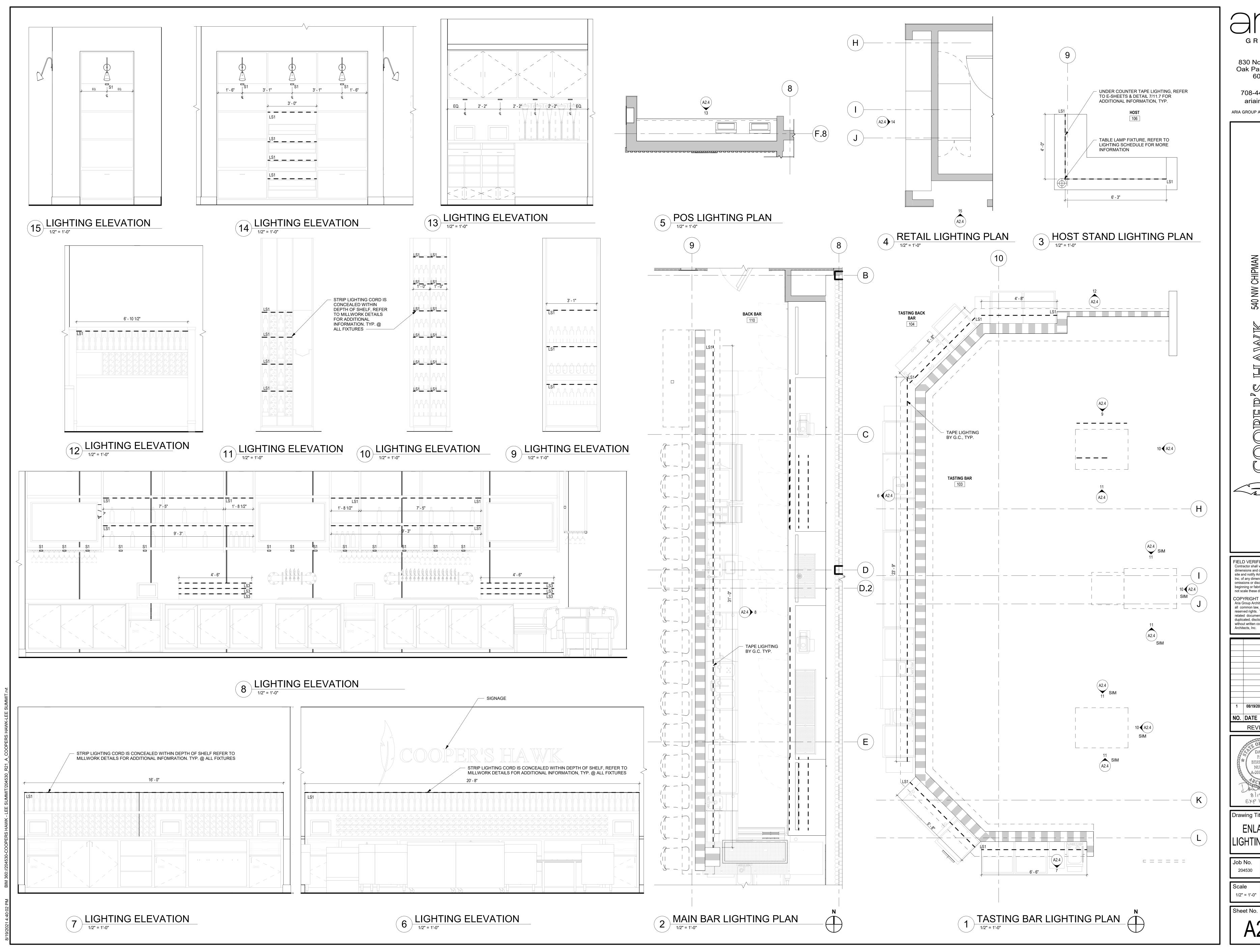
LIGHT FIXTURE
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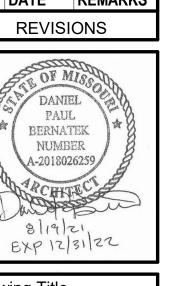
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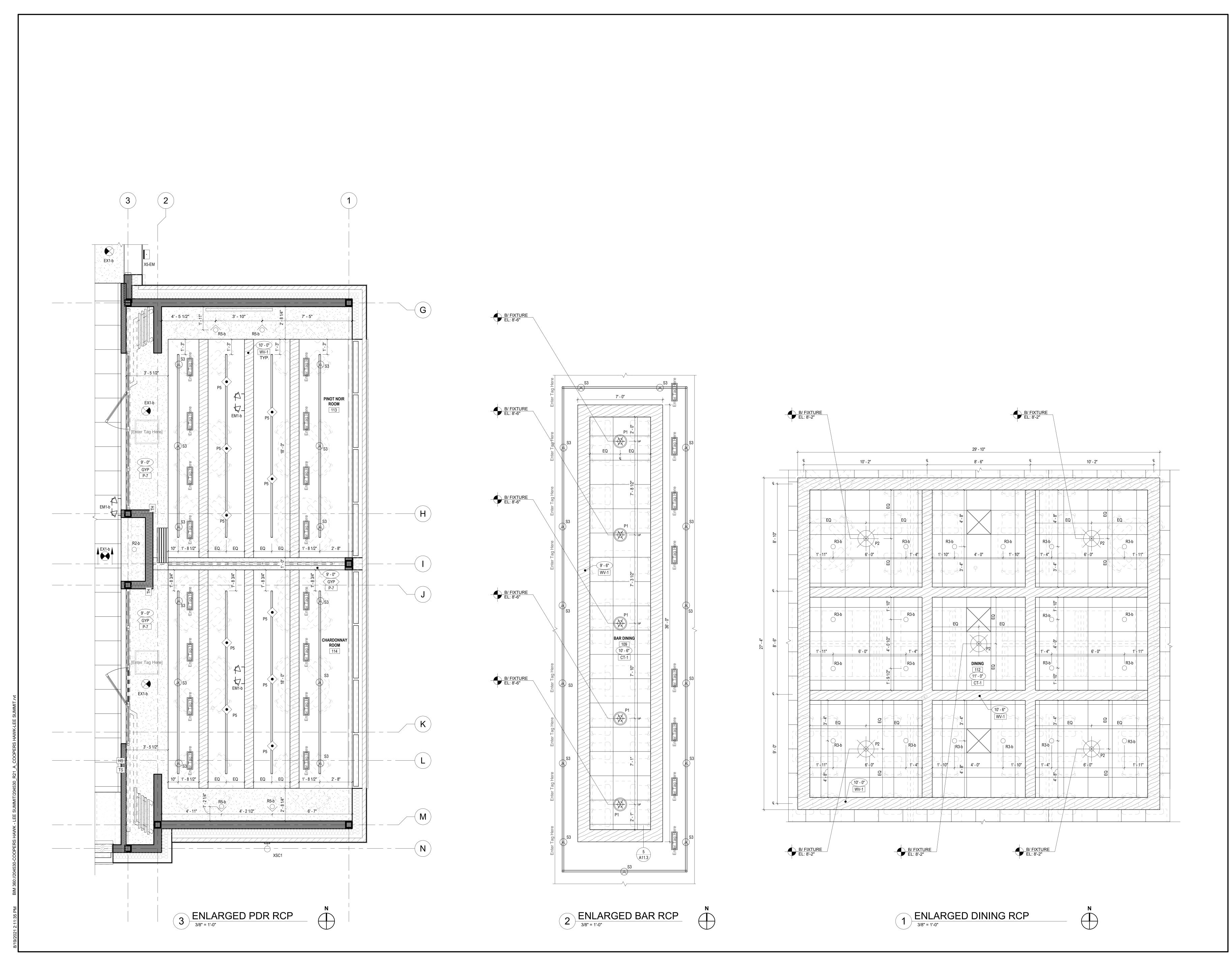
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1/2" = 1'-0" 08/19/2021

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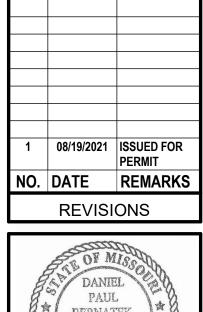
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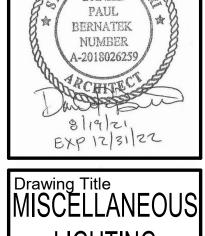
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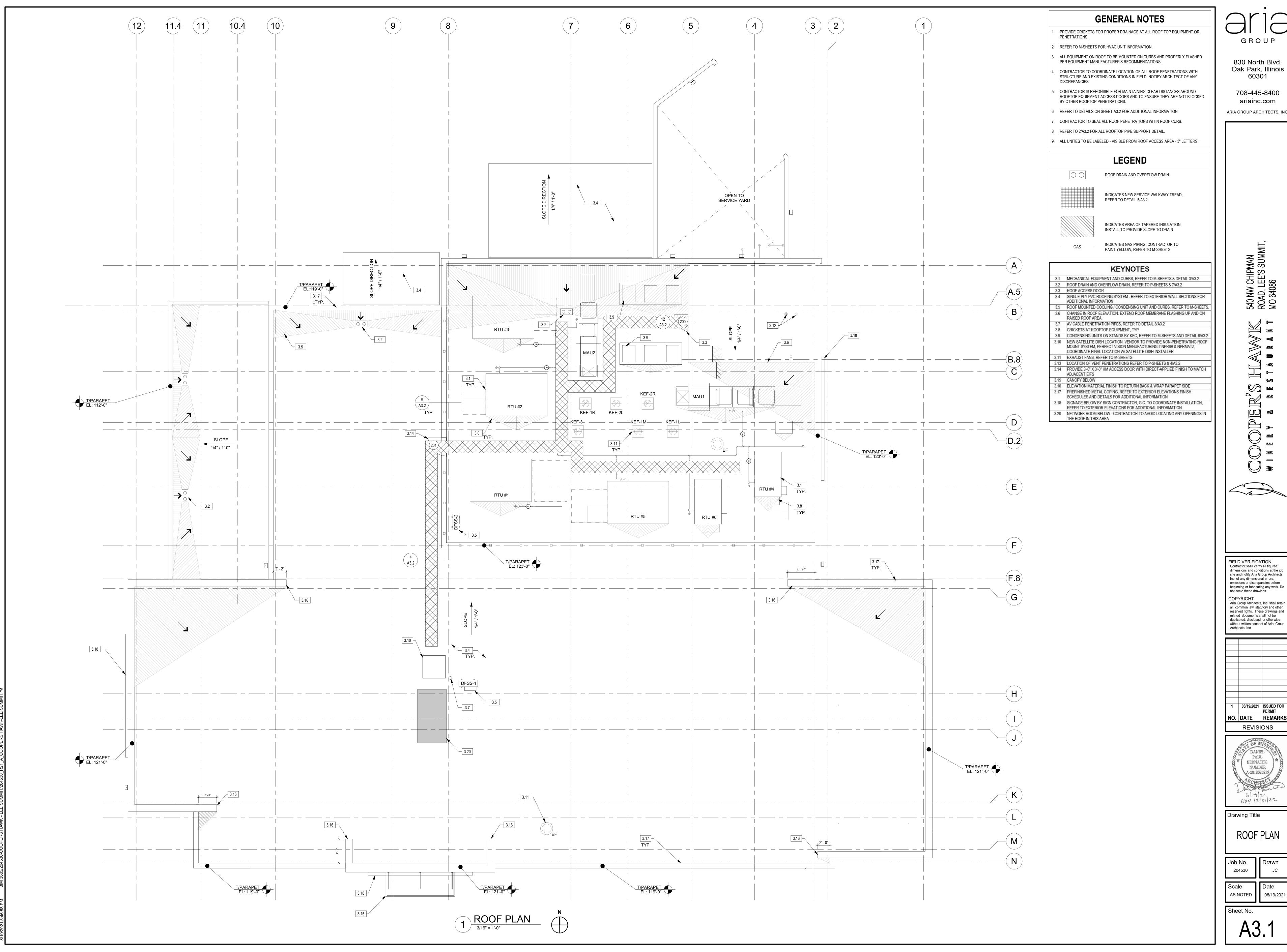
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Scale
3/8" = 1'-0"

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08/19/2021

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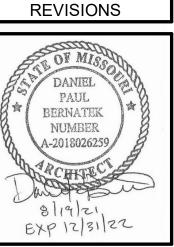
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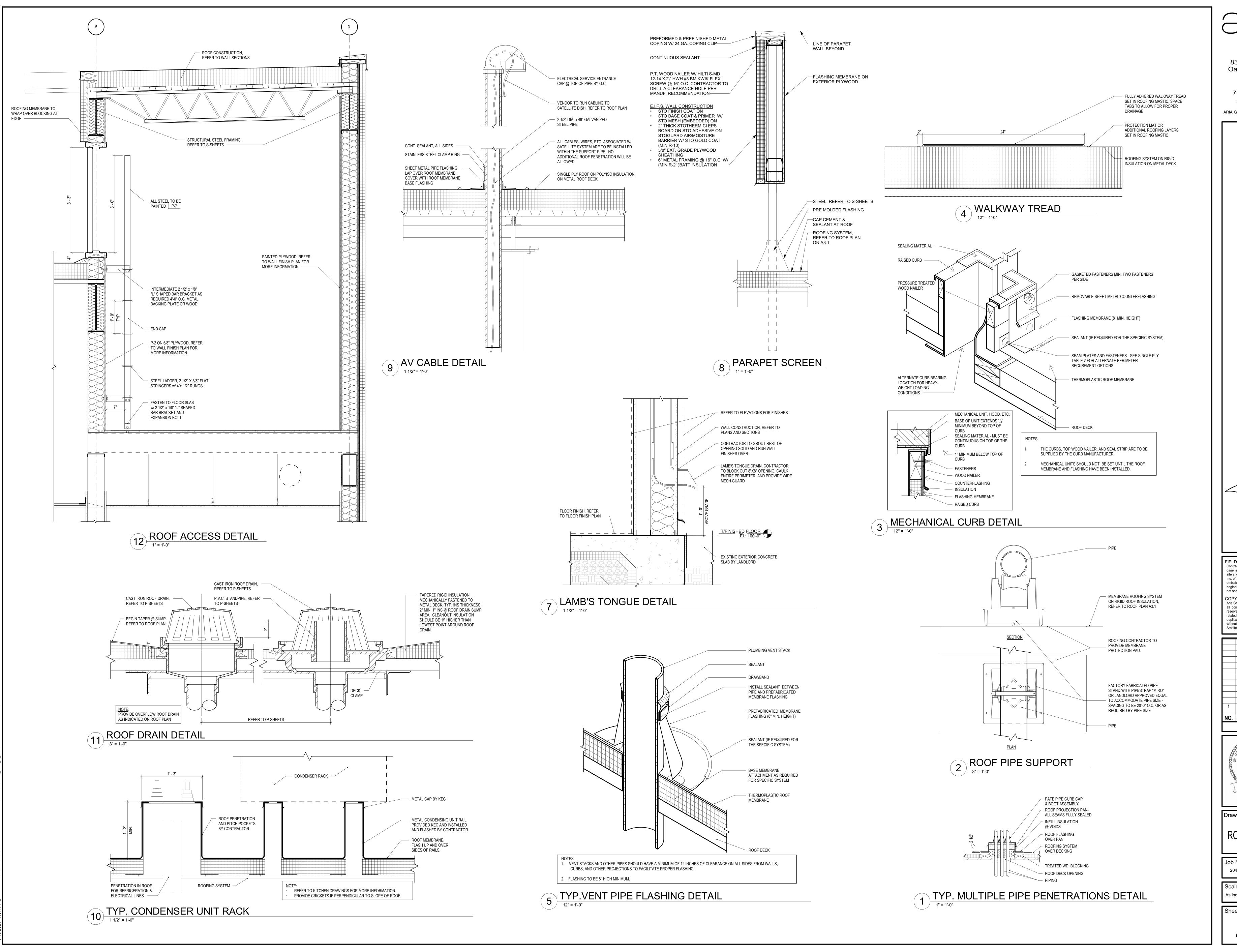
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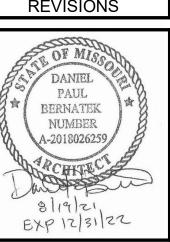
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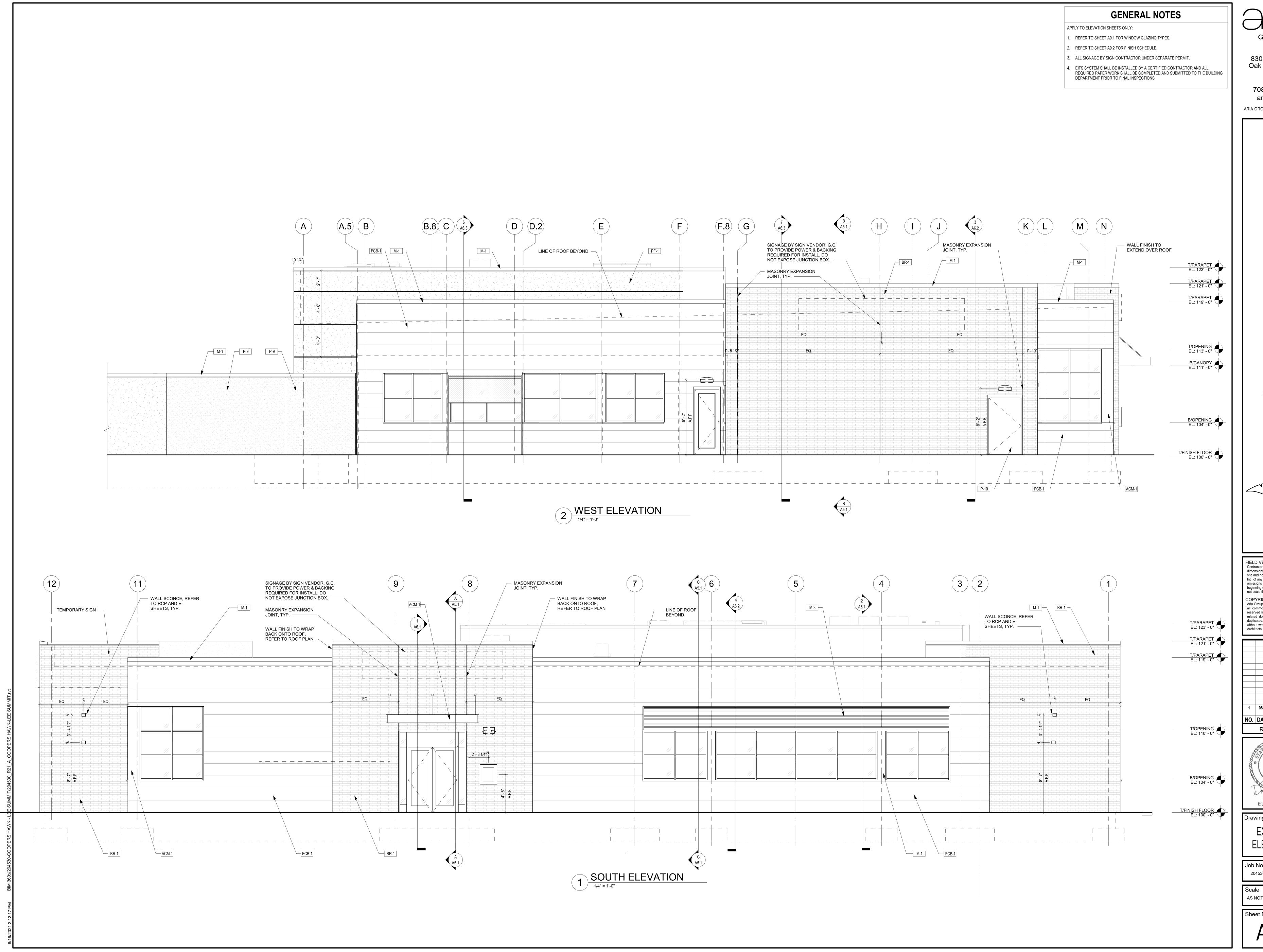
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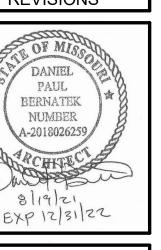
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EXTERIOR
ELEVATIONS

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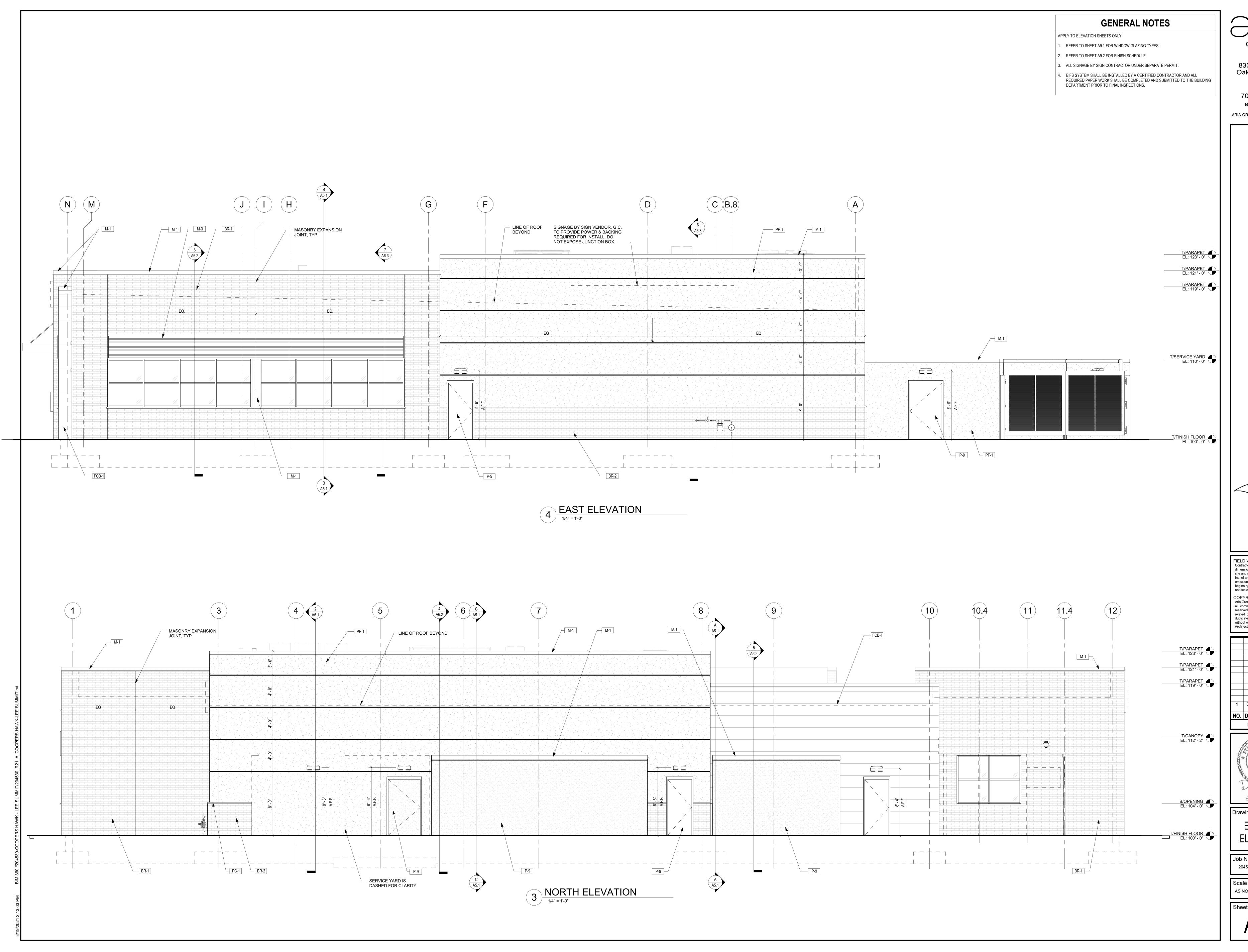
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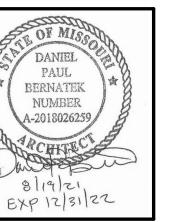


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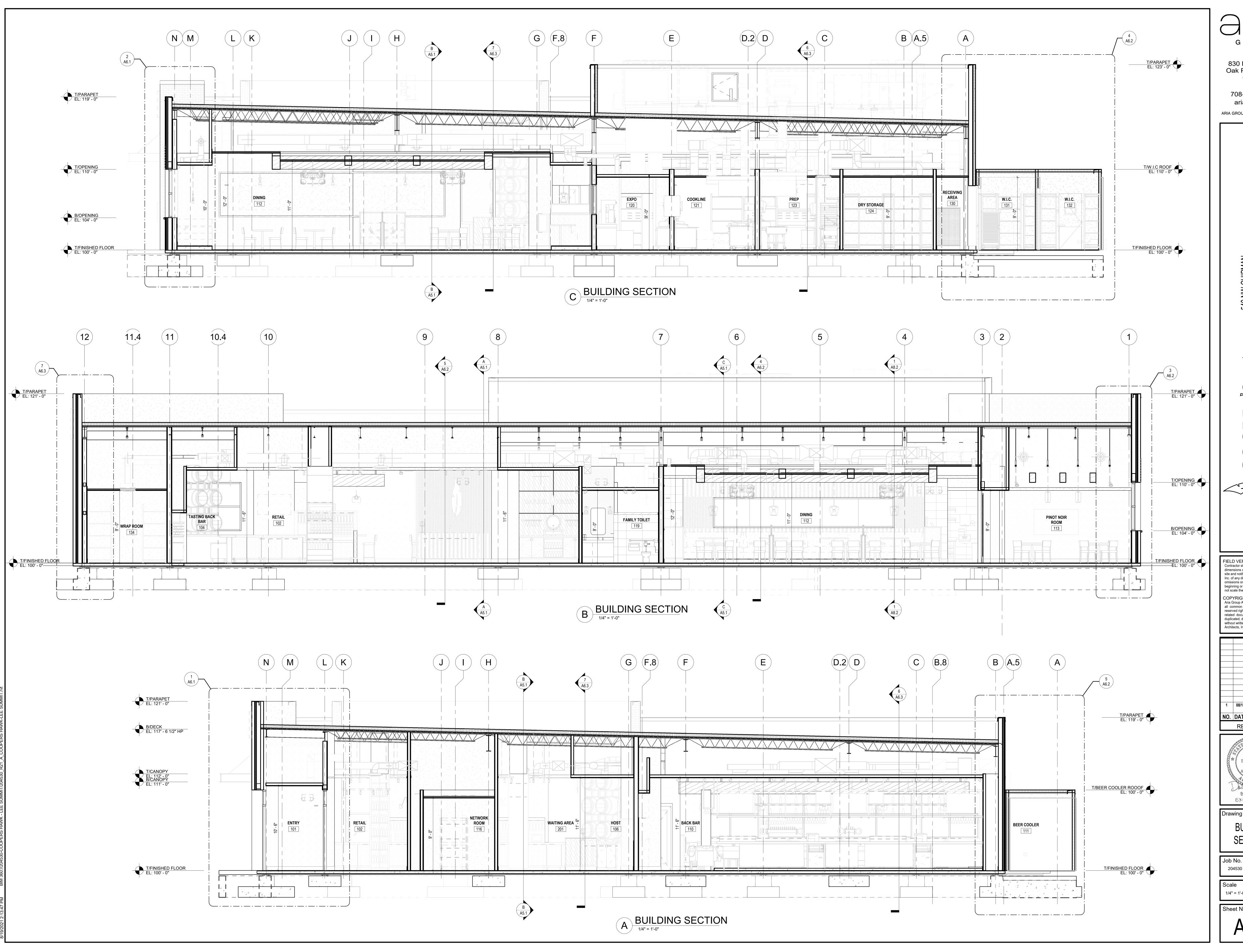


EXTERIOR ELEVATIONS

204530

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A4.2



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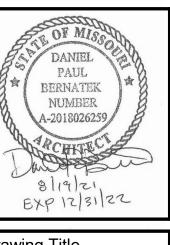
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Drawing Title

BUILDING

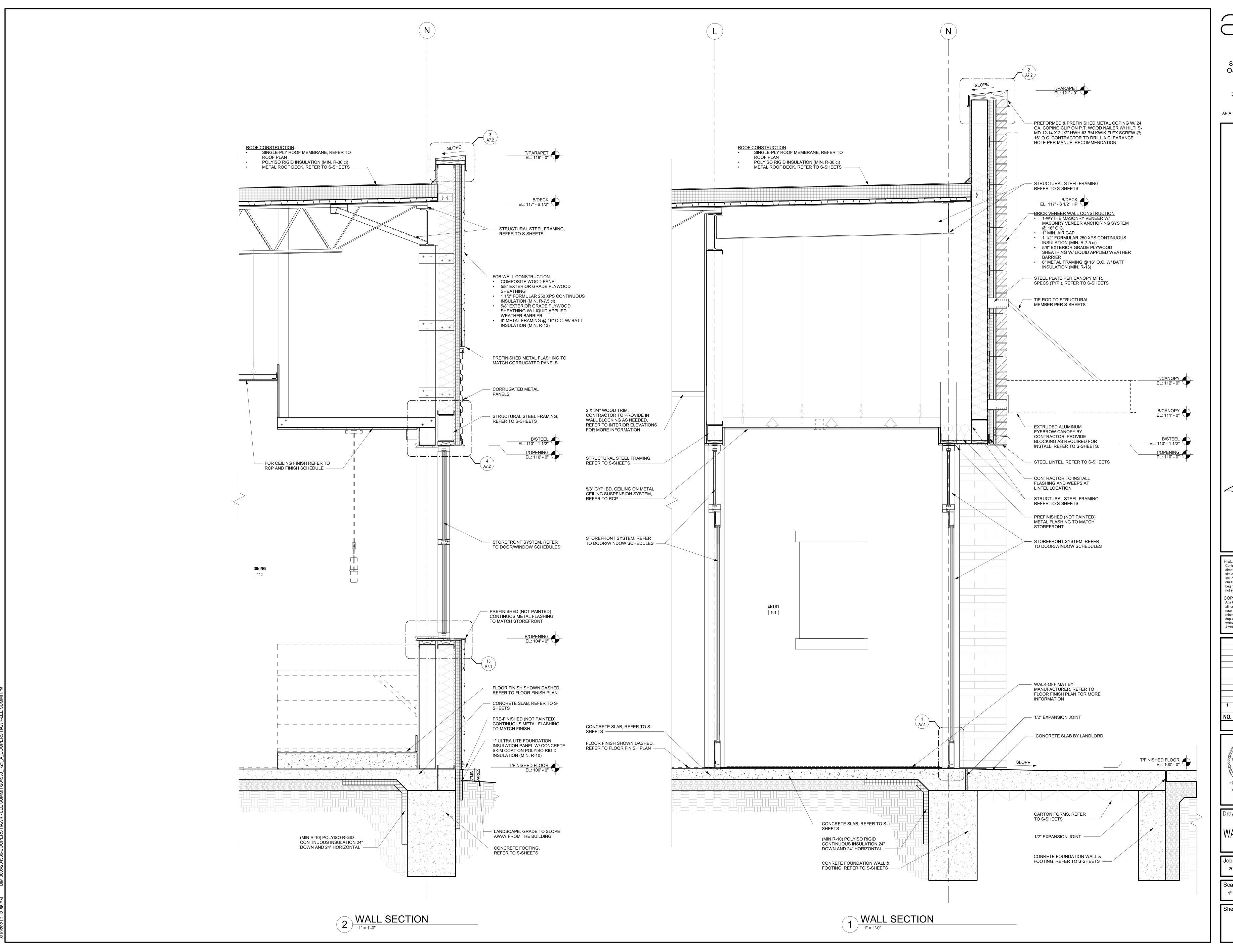
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Scale
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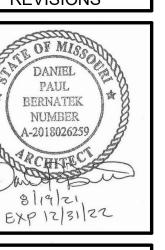
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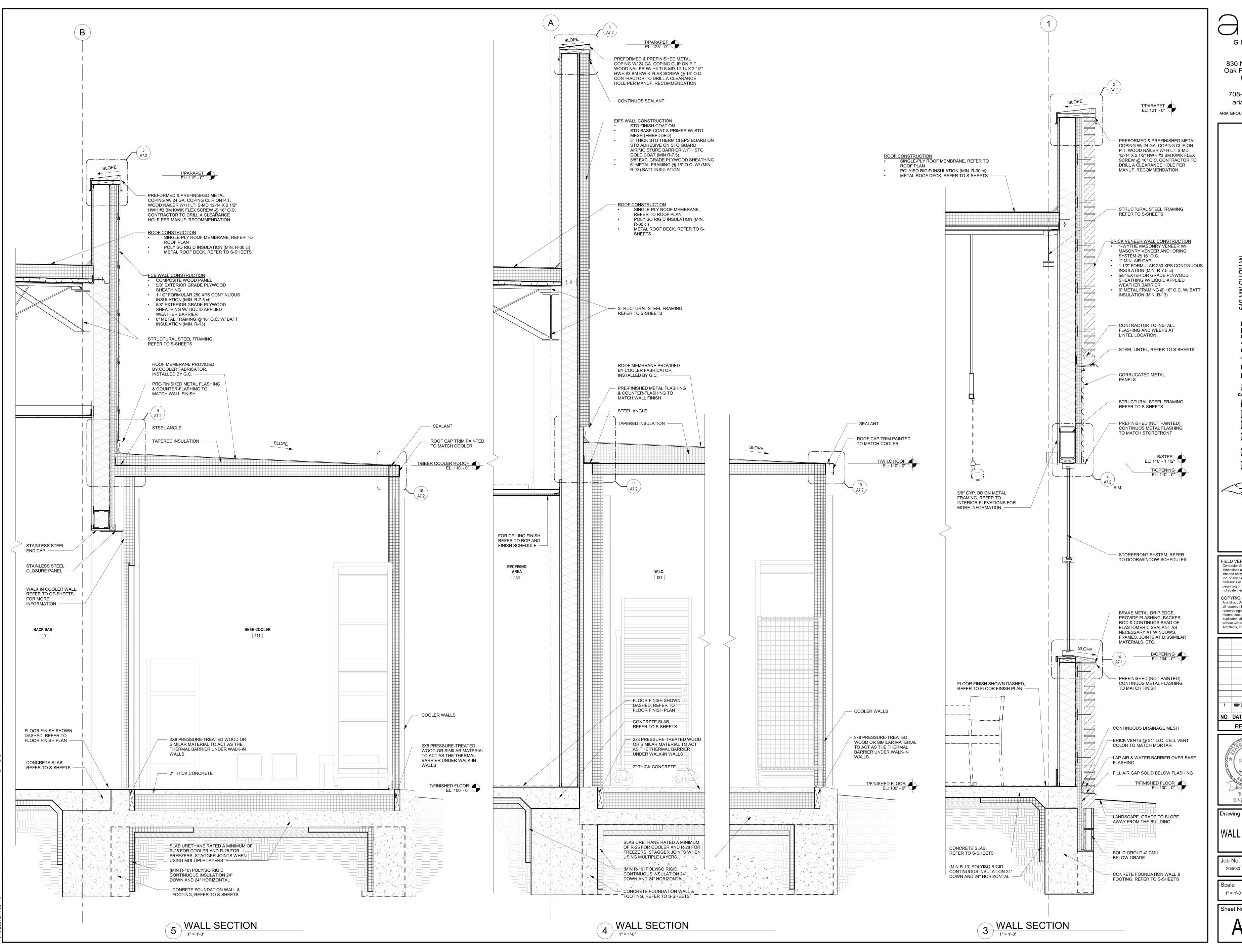
WALL SECTIONS

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DJ

Scale Date

Scale
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Sheet No.

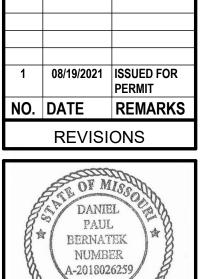


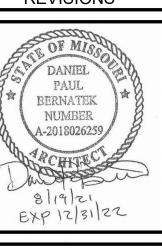
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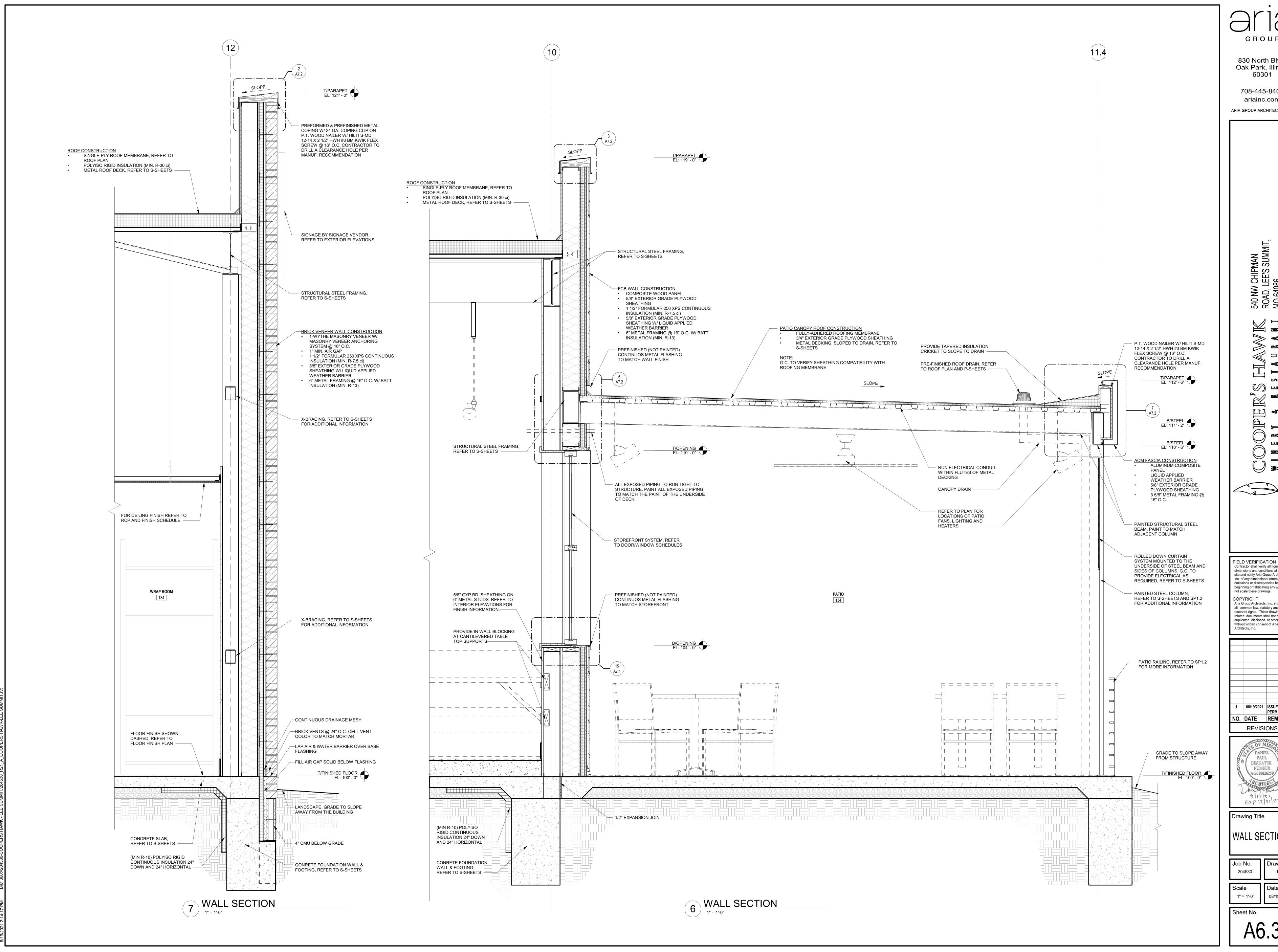


Drawing Title WALL SECTIONS

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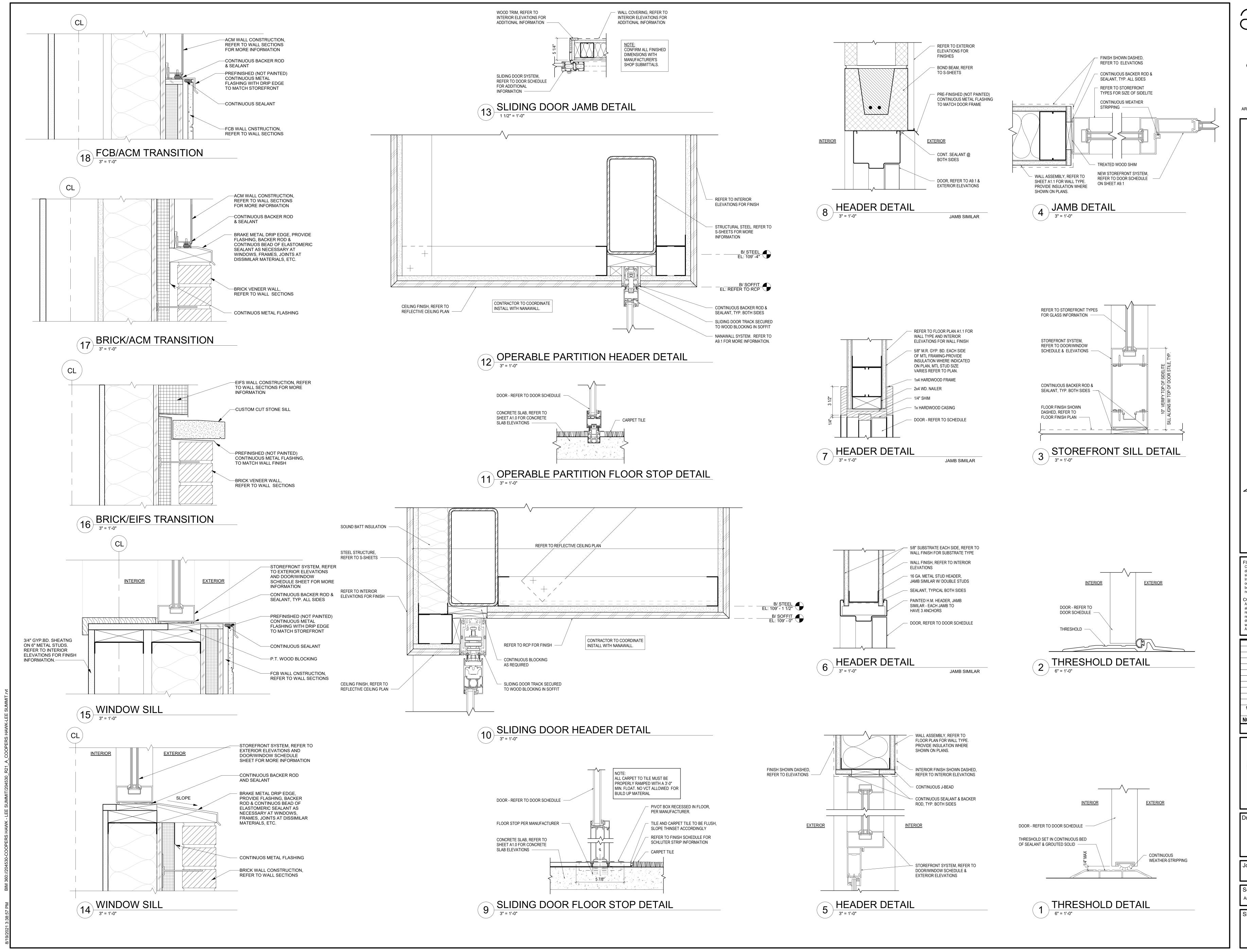
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Drawing Title WALL SECTIONS

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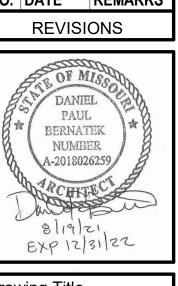
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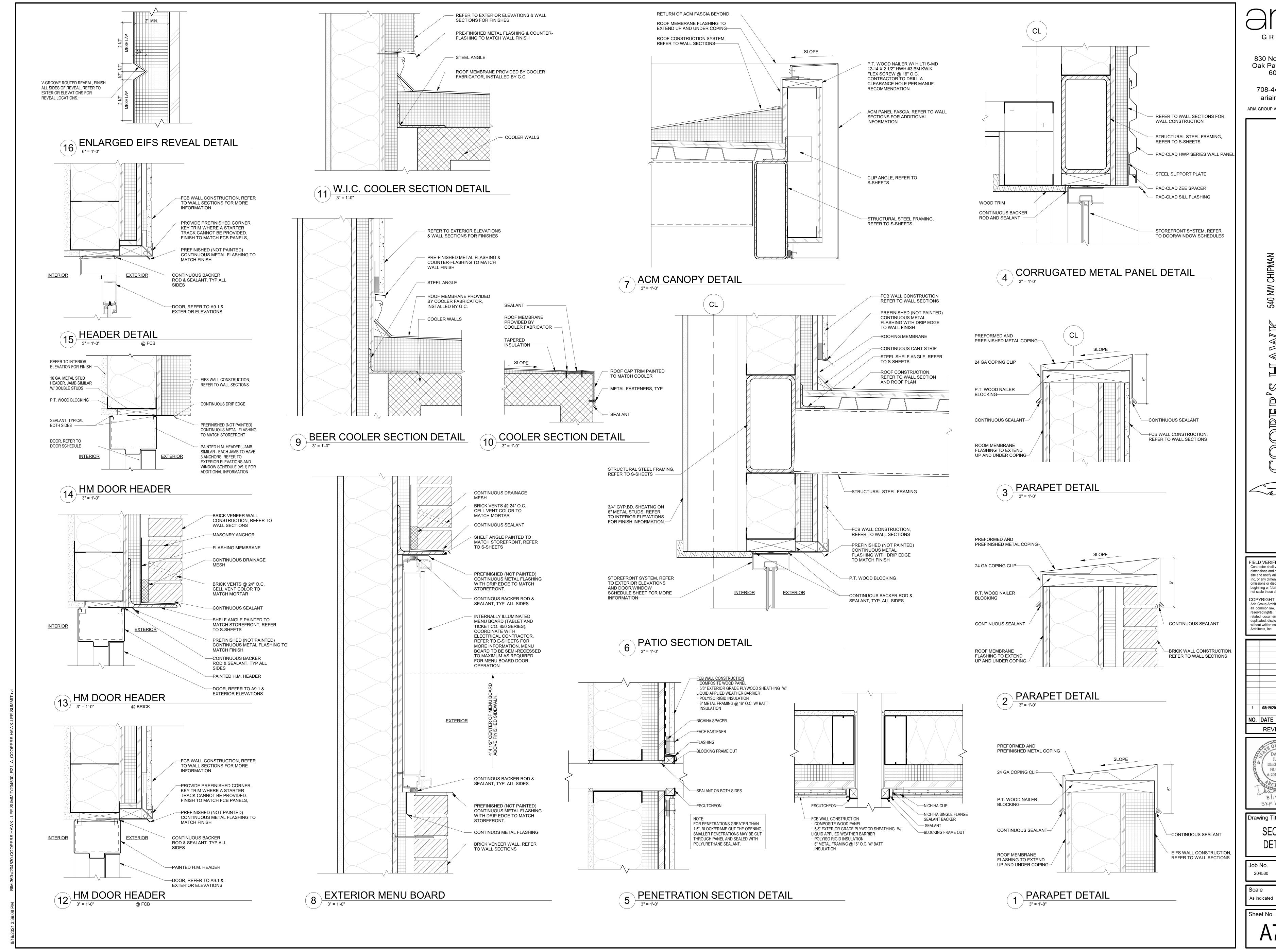
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STOREFRONT
DETAILS

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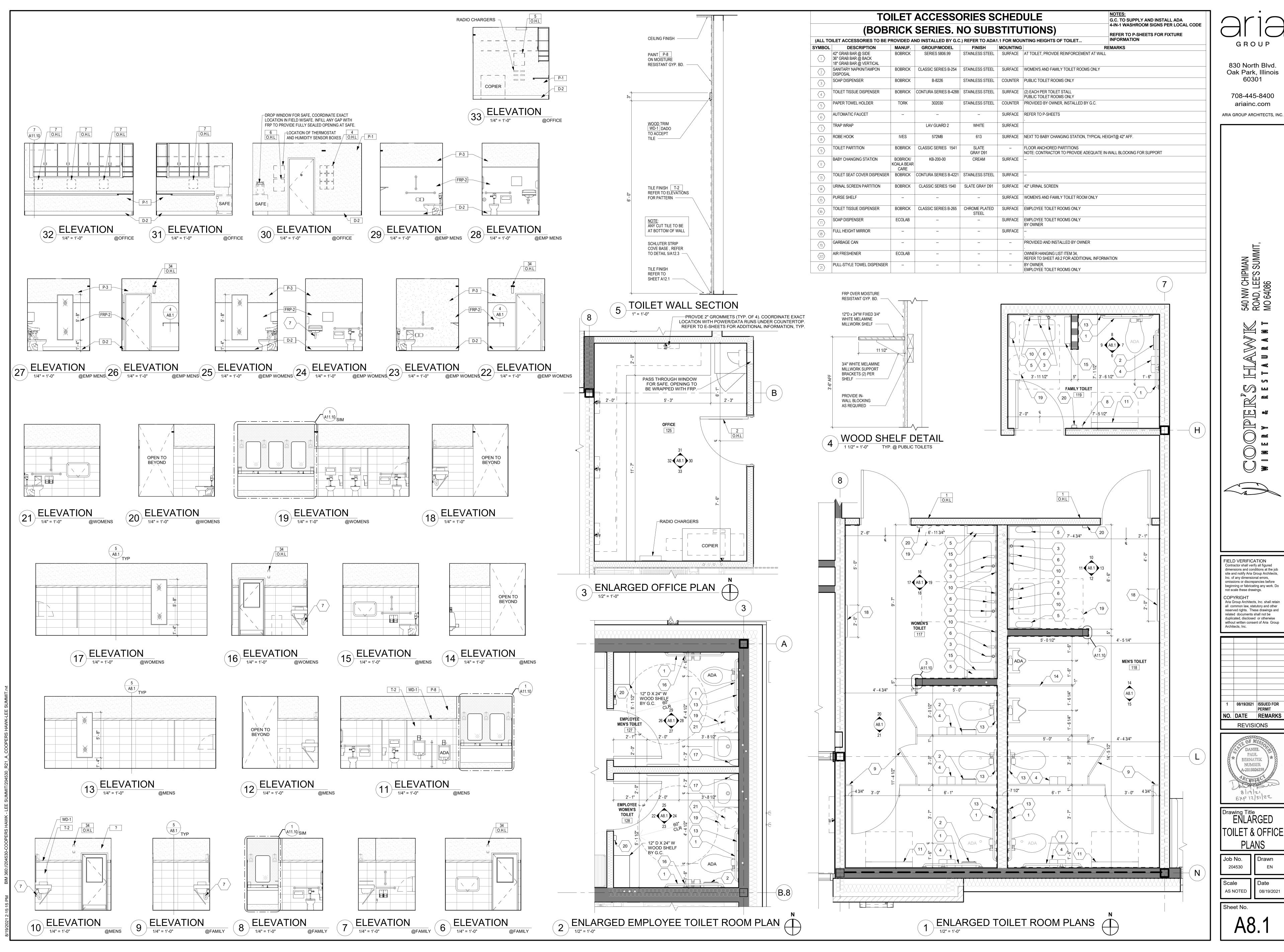


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As indicated 08/19/2021

A7.2



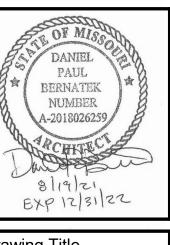
830 North Blvd. Oak Park, Illinois

708-445-8400 ariainc.com

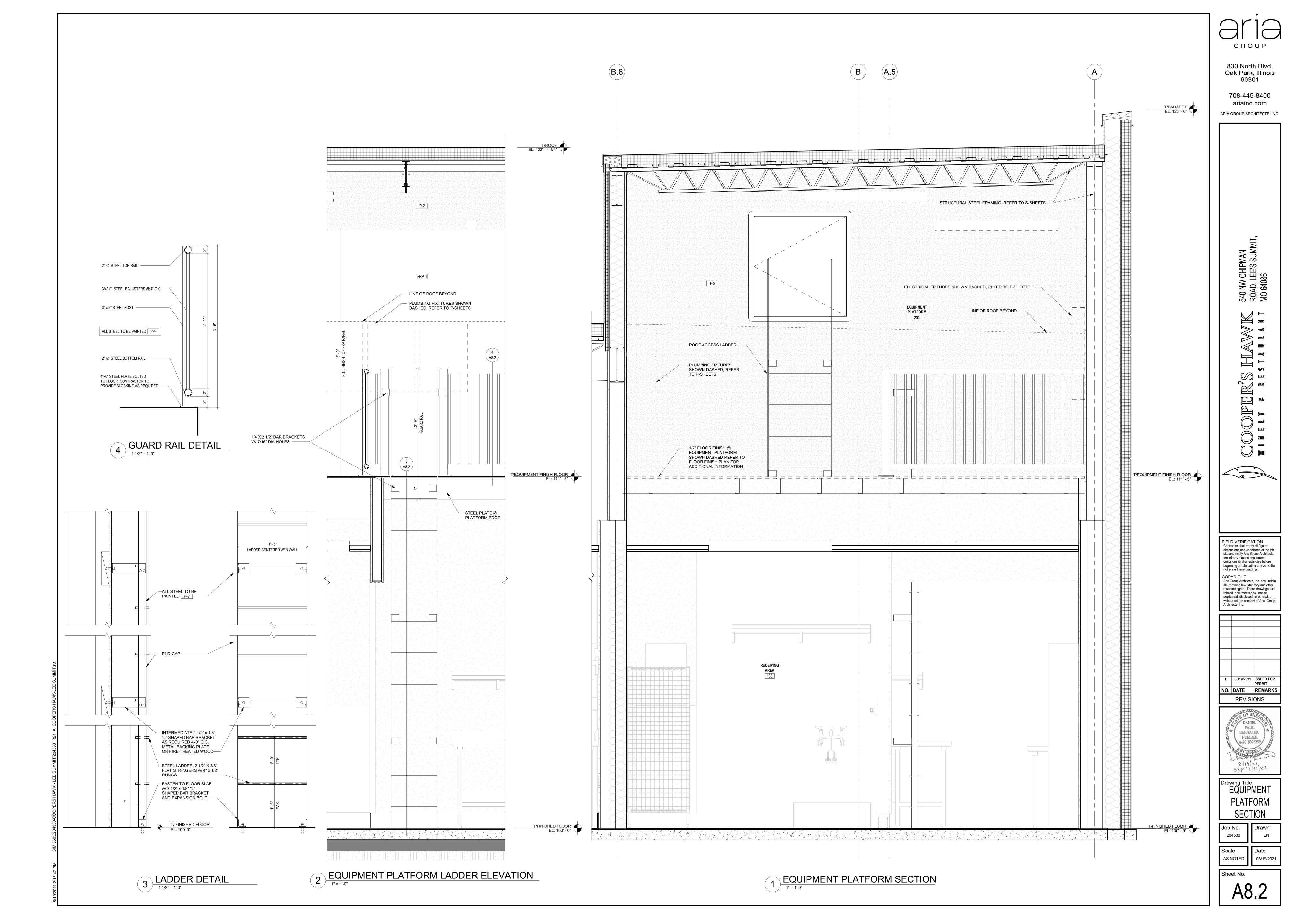
540 NW CHIPMAN ROAD, LEE'S SUMMIT, MO 64086

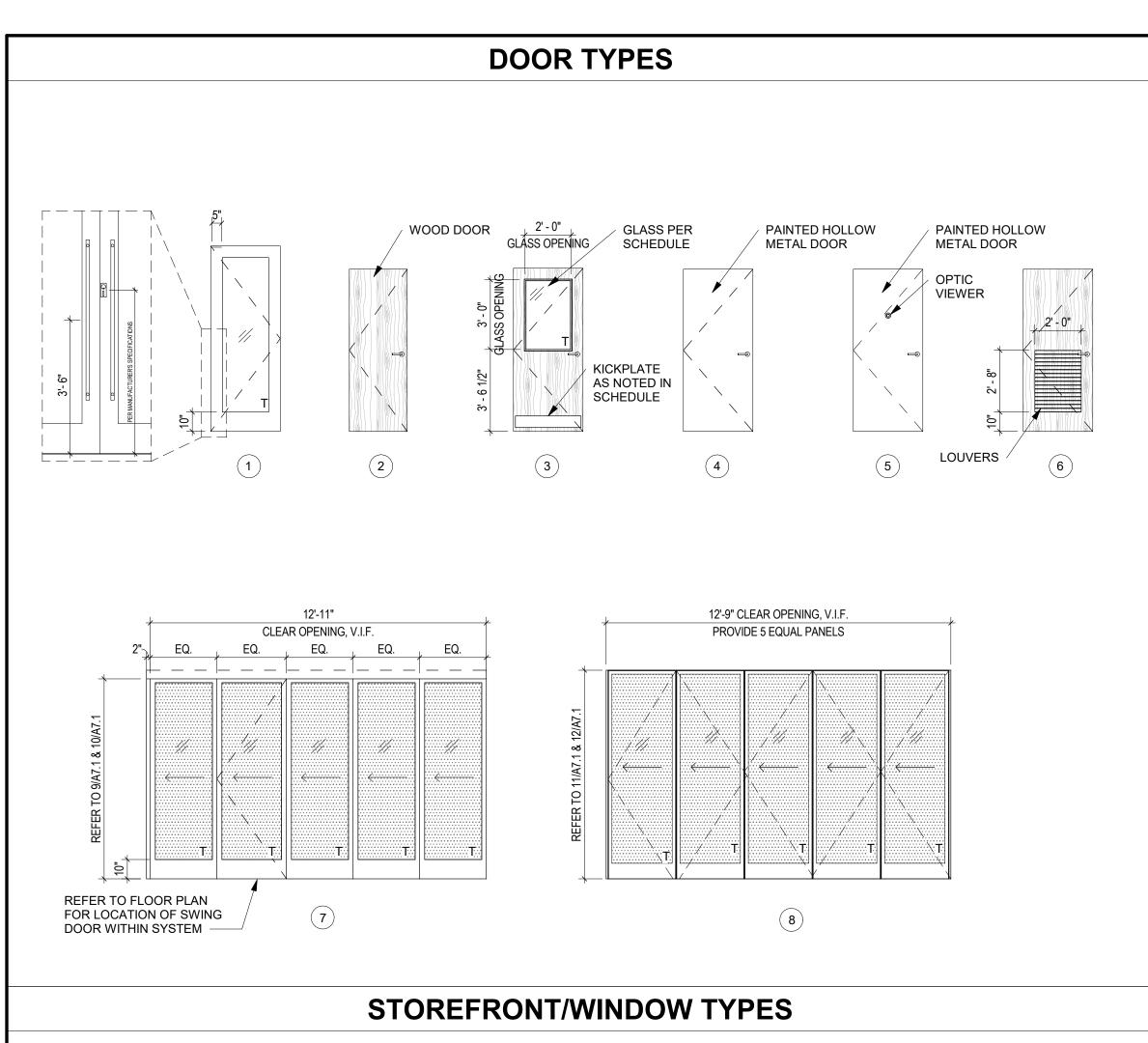
Contractor shall verify all figured dimensions and conditions at the job site and notify Aria Group Architects, without written consent of Aria Group

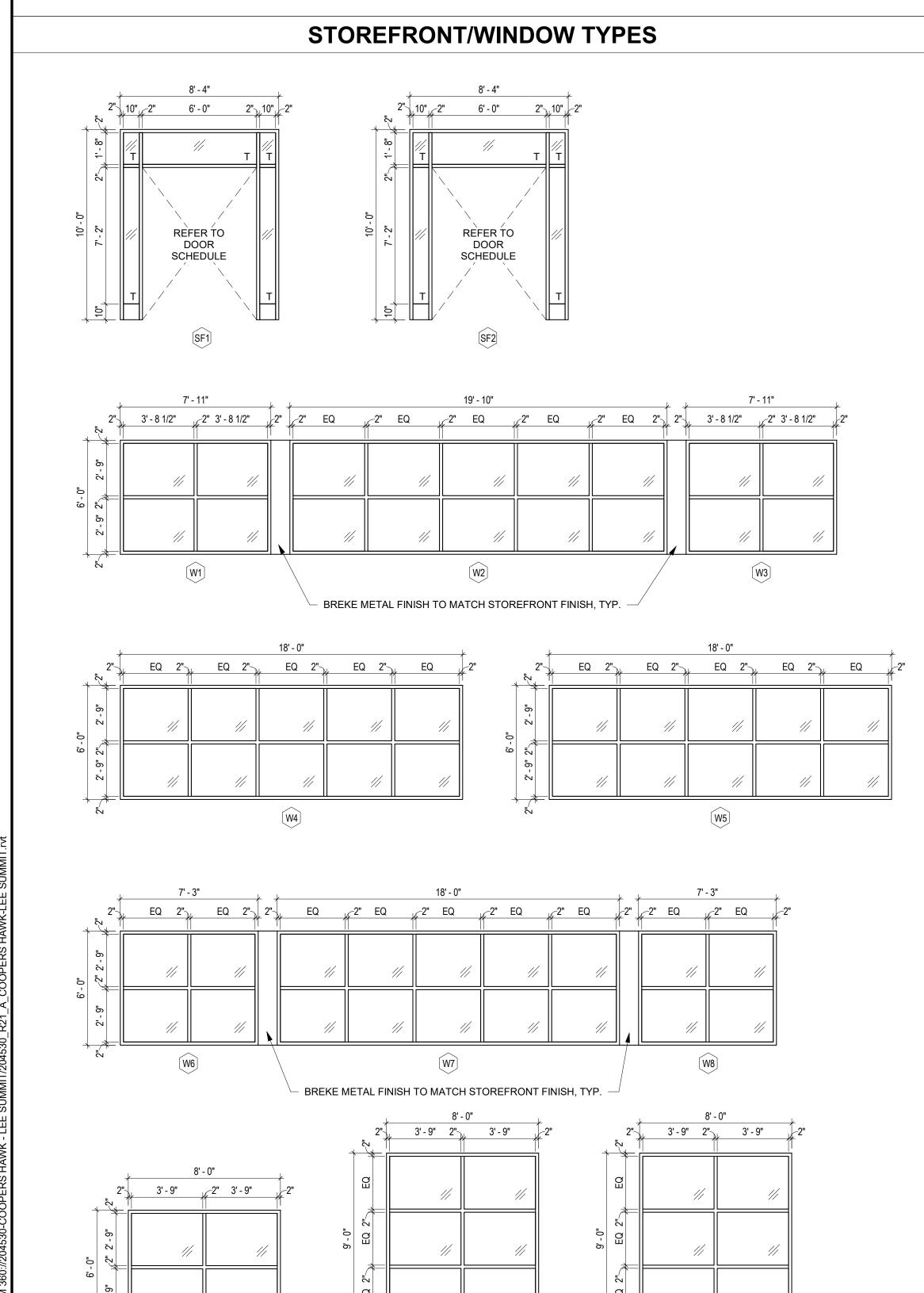
08/19/2021 ISSUED FOR NO. DATE REMARKS



TOILET & OFFICE







	DOOR SCHEDULE													
DOOR NUMBER	SIZE	LOCATION	TYPE	THICKNESS	CONSTRUCTION	FINISH	FRAME	THRESHOLD	GLASS	HEAD DETAIL	JAMB DETAIL	U.L. LABEL - HOURS	HARDWARE	REMARKS
101a	(2) 3'-0" X 8'-0"	ENTRY VESTIBULE - EXTERIOR	1	1 3/4"	ANOD	BLK	ANOD	1/A7.1	G2	1/A6.1	4/A7.1		AA	3,4
101b	(2) 3'-0" X 8'-0"	ENTRY VESTIBULE - INTERIOR	1	1 3/4"	ANOD	BLK	ANOD		G1	5/A7.1	4/A7.1		BB	3,7
109a	3'-0" X 8'-0"	BAR DINING	1	1 3/4"	ANOD	BLK	ANOD	1/A7.1	G2	5/A7.2 SIM	4/A7.2 SIM		RR	2,3,4
109b	3'-0" X 8'-0"	BAR DINING	4	1 3/4"	НМ	P-2	НМ	1/A7.1		6/A7.1	6/A7.1 SIM		RR	3,4
112	3'-0" X 8'-0"	DINING	4	1 3/4"	НМ	P-9	HM	1/A7.1		6/A7.1	6/A7.1 SIM		RR	3,4
113a	SEE DOOR TYPE	PINOT NOIR ROOM	7	2 1/4"	ANOD	BLK	BLK	9/A7.1	G5	10/A7.1	13/A7.1		PER MFG	1
113b	SEE DOOR TYPE	PINOT NOIR/CHARDONNAY ROOMS	8	2 1/4"	ANOD	BLK	BLK	11/A7.1		12/A7.1			PER MFG	6
114	SEE DOOR TYPE	CHARDONNAY ROOM	7	2 1/4"	ANOD	BLK	BLK	9/A7.1	G5	10/A7.1	13/A7.1		PER MFG	1
115	3'-0" X 7'-0"	STORAGE	2	1 3/4"	SC	STN-1	WD			7/A7.1	7/A7.1 SIM		HH	1
116	3'-0" X 7'-0"	NETWORK ROOM	6	1 3/4"	SC	STN-1	WD			7/A7.1	7/A7.1 SIM		EE	7
117	3'-0" X 7'-0"	WOMEN'S TOILET	3	1 3/4"	SC	STN-1	WD		G4	7/A7.1	7/A7.1 SIM		CC	7
118	3'-0" X 7'-0"	MEN'S TOILET	3	1 3/4"	SC	STN-1	WD		G4	7/A7.1	7/A7.1 SIM		CC	7
119	3'-0" X 7'-0"	FAMILY TOILET	3	1 3/4"	SC	STN-1	WD		G4	7/A7.1	7/A7.1 SIM		DD	7
125	3'-0" X 7'-0"	OFFICE	5	1 3/4"	НМ	P-2	HM			6/A7.1	6/A7.1 SIM		FF	7
126	3'-0" X 7'-0"	SPRINKLER ROOM	4	1 3/4"	НМ	P-9	HM	2/A7.1		6/A7.1	6/A7.1 SIM		LL	4
127	3'-0" X 7'-0"	EMPLOYEE MEN'S TOILET	4	1 3/4"	НМ	P-2	НМ			6/A7.1	6/A7.1 SIM		GG	7
128	3'-0" X 7'-0"	EMPLOYEE WOMEN'S TOILET	4	1 3/4"	НМ	P-2	HM			6/A7.1	6/A7.1 SIM		GG	7
129	3'-6" X 8'-0"	SERVICE YARD	4	1 3/4"	HM	P-9	HM			6/A7.1	6/A7.1 SIM		NN	
130	3'-6" X 7'-0"	RECEIVING AREA	4	1 3/4"	НМ	P-9	HM	1/A7.1		6/A7.1	6/A7.1 SIM		JJ	3,4
135a	3'-0" X 7'-0"	WRAP ROOM (INTERIOR)	4	1 3/4"	HM	P-11	НМ			6/A7.1	6/A7.1 SIM		PP	7
135b	4'-0" X 7'-0"	WRAP ROOM (EXTERIOR)	4	1 3/4"	НМ	P-10	НМ	1/A7.1		6/A7.1	6/A7.1 SIM		KK	3,4
200	3'-0" X 3'-0"	ROOF ACCESS - EQUIPMENT PLATFORM	4	1 3/4"	НМ	P-2	НМ	11/A3.2		11/A3.2	11/A3.2 SIM		MM	
201	3'-0" X 5'-0"	ROOF TOP	4	1 3/4"	НМ	P-2	НМ			6/A7.1	6/A7.1 SIM		MM	8

DOOR SCHEDULE REMARKS NEW DOOR AND SLIDING GLASS PARTITION: NANAWALL, HSW60, WITH INCORPORATED SWING DOOR AND HARDWARE BY MANUFACTURER INCLUDING FLOOR SOCKET PLUGS, MAGNETIC TOOL AND CENTER DOOR FILLER. CONTACT NICK WNENK: 708-603-1013 MIN. 15 WEEKS BEFORE G.C. GETS QUOTE REQUIRED INSTALL DATE SIGNED AGREEMENT IS REQUIRED ALONG WITH 20% DEPOSIT FOR PRODUCT DRAWINGS 2 WEEKS (SINGLE TRACK PRODUCTION OF CUSTOM DRAWINGS STARTS SLIDING SYSTEMS) AN ORDER IS PLACED ONCE THE FULL 50% DEPOSIT AND SIGN OFFS ON THE FINAL NANAWALL ORDER AND PRODUCT DRAWINGS VARIES ARE RECEIVED. LEAD TIME STARTS WHEN THE ORDER IS PLACED. 10-12 WEEKS AIR FREIGHT WILL DECREASE THE LEAD TIMES FOR BOTH ORDERS FROM 10-12 WEEKS DOWN TO

NOTE: ENSURE @ STACKING AREA, LENGTH OF TRACK IS HELD OFF WALL 3", V.I.F. DUE TO HINGES

2. PUSH BUTTON AUTOMATIC DOOR OPENER. MFR: POWER ACCESS, ACTUATOR # 4495SQ (INTERIOR USE) & #4495SQWR (EXTERIOR USE), OPERATOR #4300 AND RADIO RECEIVER #4470 CONTACT: 800-344-0088 3. EXTERIOR DOORS: MAX. 8 POUNDS OF OPERATING PRESSURE, INTERIOR DOORS: MAX 5 POUNDS OF OPERATING PRESSURE.

EXCEEDING ONE-QUARTER (1/4") IN HEIGHT SHALL HAVE A 1:2 BEVEL. 5. PROVIDE HARDWARE WITH KNURLED HANDLES. 6. SLIDING STOREFRONT SYSTEM: NANAWALL, SL45L, 1L-2LR-2LR, NO REBATES, FLUSH

4. THRESHOLD SHALL NOT EXCEED ONE-HALF INCH (1/2") IN HEIGHT. THRESHOLDS

SILL, W/ HARDWARE BY MANUFACTURER. CONTACT NICK WNENK 708-603-1013. REFER TO NANAWALL TIMELINE CHART UNDER DOOR SCHEDULE REMARKS NOTE #1. 7. UNDERCUT ALL DOORS AS REQUIRED TO PROVIDE MIN. 3/8" CLEARANCE ABOVE

S DOOR - REFER TO A3.1 FOR MORE INFORMATION.

8.	ROOFTOP SCREEN WALL ACCESS D
	PROVIDE PASSAGE LOCKSET.

FINISH FLOOR U.N.O.

STORE	FRONT/WINDOW S	CHEDULE
NOMINAL SIZE	FRAME	DETA

STOREFRONT			NOMINAL SIZE		FR/	ME		DETAILS			
NUMBER	LOCATION	DOOR	(W X H)	MATERIAL	FINISH	THICK	GLASS	HEAD	JAMB	SILL	REMARKS
SF1	ENTRY VESTIBULE	101a	8' - 4" X 10' - 6"	ANOD	BLK	0'- 4 1/2"	G2	1/A6.1	1/A6.1 SIM	3/A7.1	1,2,3,4
SF2	ENTRY VESTIBULE	101b	8' - 4" X 10' - 6"	ANOD	BLK	0'- 4 1/2"	G1	5/A7.1	4/A7.1	3/A7.1	1,2,3,4
W1	DINING		7' - 11" X 6' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1	
W2	DINING		19' - 10" X 6' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1	
W3	DINING		7' - 11" X 6' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1	
W4	CHARDONNAY ROOM		18' - 0" X 6' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1	
W5	PINOT NOIR ROOM		18' - 0" X 6' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1	
W6	BAR DINING		7' - 3" X 6' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1	
W7	BAR DINING		18' - 0" X 6' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1	
W8	BAR DINING		7' - 3" X 6' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1	
W9	TASTING BAR		8' - 0" X 6' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1	
W10	TASTING BAR		8' - 0" X 9' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1 SIM	
W11	TASTING BAR		8' - 0" X 9' - 0"	ANOD	BLK	0'- 4 1/2"	G2	6/A7.2 SIM	4/A7.1 SIM	15/A7.1 SIM	

NOTES:

AND WALL CONFLICTS.

- 1. REFER TO HARDWARE SCHEDULE FOR HARDWARE SPECIFICATIONS
- 2. TEMPERED GLASS REQUIRED IF GLAZING I SLESS THAN 18" A.F.F. OR ADJACENT TO DOORS AND AS REQUIRED PER APPLICABLE CODES
- 3. ALL ALUMINUM STOREFRONT SYSTEM DOORS TO HAVE 10" BOTTOM RAILS (U.N.O.)
- 4. FOR ALL TRANSOM DIMENSIONS, SEE ELEVATIONS

DOOR/STOREFRONT SCHEDULE LEGEND

<u>BREVIATI</u>	ONS:	GLASS	TYPES:
DD (- ALUMINUM - ANODIZED ALUMINUM - BLACK - FACTORY FINISH - HOLLOW METAL	GI G2	- 1/4" CLEAR TEMPERED - 1" INSULATING (TEMPERED PER CODE), OB: 1/4" PPG SOLARBAN 60 ON CLEAR, LOW-E#2 AS: 1/2" AIR SPACE IB: 1/4" CLEAR
.M V	- PLASTIC LAMINATE - LESS DOOR WIDTH - PAINT, REFER TO FINISH (SCHEDULE ON SHEET A9.2) - SOLID CORE DOOR - STEEL (GALVANIZED) - TEMPERED GLAZING - WOOD - STAINLESS STEEL	G3 G4 G5 G6	 - 1" INSULATED GLAZING WITH SPANDREL PANE - 1/4" FROSTLITE LAMINATED GLASS (TEMP) WITH FILM TO BE APPLIED ON #2 AND #3 FAC - 1/4" CLEAR LAMINATED, TEMPERED WITH FILM TO BE APPLIED ON PRIVATE DINING SIDE - 1/4" SPANDREL GLASS
I C	- STAIN FINISH - POWDER COAT		

			RDWARE SCHED		
GROUP	QTY.	DESCRIPTION	MODEL NUMBER	FINISH	MANUFACTURER
	1 EA. 1 EA.	CONTINUOUS HINGES DOOR CLOSER	SL11-LL 	315 MATCH DOOR FINISH	SELECT HINGES BY STOREFRONT MANUFACTURER
	1 EA. 1 EA.	CONCEALED VERTICAL ROD EXIT DEVICE	9947NL-OP	315	VON DUPRIN
	1 EA.	WEATHER STRIPPING	PER STOREFRONT MANUFACTURER		
	1 EA. 1 EA.	DOOR SWEEP THRESHOLD	PER STOREFRONT MANUFACTURER 255	 D	 PEMKO
AA	1 EA. 1 EA.	CUSTOM PULL HANDLE (DOOR #101A ONLY)	 	MATCH DOOR FINISH	
_ ^_	. =	(2007, 11, 10, 11, 11, 11, 11, 11, 11, 11, 11			CONTACT: COURTNEY COX
					(P) 954-419-9918
	1 EA.	PULL HANDLE (NOT DOOR #101A)	39-IG	315	(E) courtneyx@fiihardware.com BURNS
	I LA.	AUTOMATIC DOOR OPENER (PATIO DOORS ONLY)	REFER TO DOOR SCHEDULE		POWER ACCESS
		,	REMARKS		
	1 1/2 EA.	PAIR BB BUTT HINGES (HEAVY DUTY)	BB-119 (4.5" x 4.5")	US10B	HAGER
	1 EA.	DOOR CLOSER `	'	MATCH DOOR FINISH	BY STOREFRONT MANUFACTURER
ВВ	1 EA.	NO LOCK OR HATCH PUSH BAR	 422	 315	 BURNS
	1 EA.	PULL HANDLE	39-IG	315	BURNS
	1 EA.	DOOR STOP - FLOOR	FS13	US32D	IVES
		PAIR BB BUTT HINGES (HEAVY DUTY)	BB-1199 (4.5" x 4.5")	US32D	HAGER
	1 EA. 1 EA.	DOOR CLOSER PULL PLATE	REGULAR ARM 7500 8305 (4" x 16". 8" CENTERS)	689 US32D	NORTON IVES
СС	1 EA. 1 EA.	PUSH PLATE	8200 (4" x 16"	US32D	IVES
	1 EA.	KICK PLATE	190S (10" x 2" LDW)	US32D	HAGER
	1 EA.	"MEN'S" OR "WOMEN'S" SIGN (BY OWNER) HDCP.	 NAC 407 COV (407 4/0)		
	1 EA.	DOOR STOP - WALL	WS407CCV (407-1/2)	US32D	IVES
	1 1/2 EA. 1 EA.	PAIR BB BUTT HINGES (HEAVY DUTY) DOOR CLOSER	BB-1199 (4.5" x 4.5") REGULAR ARM 7500	US32D 689	HAGER NORTON
	1 EA. 1 EA.	LOCKSET (CORRIDOR)	ND73PD-ATH	US26D	SCHLAGE
DD	1 EA.	KICK PLATE	190S (10" x 2" LDW)	US32D	HAGER
	1 EA. 1 EA.	"FAMILY" SIGN (BY OWNER) HDCP. DOUBLE ROBE HOOK	 572	 US15	IVES
	1 EA. 1 EA.	DOOR STOP - WALL	FS13	US26D	IVES
		PAIR BB BUTT HINGES (STANDARD DUTY)	BB-1279 (4.5" x 4.5")	US26D	HAGER
EE	1 EA.	DOOR CLOSER	REGULAR ARM 7500	689	NORTON
	1 EA.	LOCKSET (STOREROOM)	ND80PD-ATH	US26D	SCHLAGE
	1 EA.	DOOR STOP - WALL	WS407CCV (407-1/2)	US26D	IVES
	1 1/2 EA. 1 EA.	PAIR BB BUTT HINGES (STANDARD DUTY) DOOR CLOSER	BB-1279 (4.5" x 4.5") REGULAR ARM 7500	US26D 689	HAGER NORTON
	1 EA.	LOCKSET (STOREROOM)	ND80PD-ATH	US26D	SCHLAGE
FF	1 EA.	KICK PLATE	190S (10" x 2" LDW)	US32D	HAGER
	1 EA. 1 EA.	VIEWER DOOR STOP - WALL	595 WS407CCV (407-1/2)	US26D US26D	PEEKO IVES
		PAIR BB BUTT HINGES (STANDARD DUTY)	BB-1279 (4.5" x 4.5")	US26D	HAGER
	1 EA.	DOOR CLOSER	REGULAR ARM 7500	689	NORTON
GG	1 EA.	LOCKSET (PRIVACY/BATH)	ND40S-ATH	US26D	SCHLAGE
66	1 EA.	KICK PLATE	190 (10" x 2" LDW)	US32D US26D	HAGER IVES
	1 EA. 1 EA.	DOUBLE ROBE HOOK (PLACED ON DOOR @ 54" A.F.F.) DOOR STOP - FLOOR	572 FS13	US26D	IVES
	1 1/2 EA.	PAIR BB BUTT HINGES (STANDARD DUTY)	BB-1279 (4.5" x 4.5")	US26D	HAGER
	1 EA.	DOOR CLOSER (HOLD OPEN)	REGULAR ARM 7500	689	NORTON
HH	1 EA.	LOCKSET (PASSAGE) (KNURLED HANDLE WHERE NOTED)	ND10S-ATH	US26D	SCHLAGE
	1 EA. 1 EA.	KICK PLATE DOOR STOP - WALL	190S (10" x 2" LDW) WS407CCV (407-1/2)	US32D US26D	HAGER IVES
	1 EA.	CONTINUOUS HINGE	SL11-HD	CLEAR	SELECT HINGES
	1 EA.	DOOR CLOSER (NO HOLD OPEN)	PARALLEL ARM CLP-7500	689	NORTON
	1 EA. 1 EA.	PANIC EXIT DEVICE	25-R-510L-NL-DANE	US26D DIAMOND TREAD	FALCON HAGER
JJ	1 EA. 1 EA.	ARMOR PLATE VIEWER	220S (34" x 2" LDW) 595	US26D	PEEKO
	1 EA.	WEATHER STRIPPING	S88-GR	GRAY	PEMKO
	1 EA. 1 EA.	DOOR SWEEP	750S 520S	US32D MILL	HAGER HAGER
		THRESHOLD (BUMPER)			
	1 EA. 1 EA.	CONTINUOUS HINGE DOOR CLOSER (NO HOLD OPEN)	SL11-HD PARALLEL ARM P-7500	CLEAR 689	SELECT HINGES NORTON
	1 EA.	LOCKSET (STOREROOM)	ND80PD-ATH	US26D	SCHLAGE
KK	1 EA.	ARMOR PLATE	190S (34" x 2" LDW)	US32D	HAGER
	1 EA. 1 EA.	WEATHER STRIPPING DOOR SWEEP	S88-GR 750S	GRAY US32D	PEMKO HAGER
	1 EA.	THRESHOLD (BUMPER)	520S	MILL	HAGER
		PAIR BB BUTT HINGES (STANDARD DUTY)	BB-1279 (4.5" x 4.5")	US26D	HAGER
	1 EA.	DOOR CLOSER (NO HOLD OPEN)	REGULAR ARM 7500	689	NORTON
1.1	1 EA. 1 EA.	LOCKSET (CLASSROOM) ARMOR PLATE	ND70PD-ATH 190S (34" x 2" LDW)	US26D US32D	SCHLAGE HAGER
LL	1 EA. 1 EA.	WEATHER STRIPPING	S88-GR	GRAY	PEMKO
	1 EA.	DOOR SWEEP	750S	US32D	HAGER
	1 EA.	THRESHOLD (BUMPER)	520S	MILL	HAGER
		PAIR BB BUTT HINGES (STANDARD DUTY) DOOR CLOSER	BB-1279 (4.5" x 4.5")	US26D	HAGER NORTON
MM	1 EA. 1 EA.	LOCKSET (STORE)	REGULAR ARM P-7500 ND66PD-ATH	689 US26D	NORTON SCHLAGE
	1 EA.	WEATHER STRIPPING	S88-GR	GRAY	PEMKO
	1 EA.	CONTINUOUS HINGE	SL11-HD	CLEAR	SELECT HINGES
	AS BEO'D	HINGE REINFORCEMENT	10 GA. GALVANNEAL STEEL		
NN	REQ'D 1 EA.	PANIC EXIT DEVICE LEVER	SERIES 2000R SERIES 200 - KIL PASSAGE	US32D US32D	DESIGN HARDWARE DESIGN HARDWARE
1 11 1	1 EA.	ARMOR PLATE	220S (34" x 2" LDW)	DIAMOND TREAD	HAGER
	1 EA.	DOOR CLOSER (HOLD OPEN)	REGULAR ARM 7500 H	US26D	NORTON
	1 EA.				
	1 1/2 EA. 1 EA.	PAIR BB BUTT HINGES (STANDARD DUTY) DOOR CLOSER (HOLD OPEN)	BB-1279 (4.5" x 4.5") REGULAR ARM 7500 H	US26D 689	HAGER NORTON
PP	1 EA. 1 EA.	LOCKSET (STOREROOM) (KNURLED HANDLE WHERE NOTED)		US26D	SCHLAGE
	1 EA.	ARMOR PLATE	190S (10" x 2" LDW)	US32D	HAGER
	1 EA.	DOOR STOP - WALL	WS407CCV (407-1/2)	US26D	IVES
			BB-1279 (4.5" x 4.5")	US26D	HAGER
QQ	1 EA. 1 EA.	LOCKSET (STOREROOM) (KNURLED HANDLE WHERE NOTED) KICK PLATE	ND80PD-ATH 190S (10" x 2" L <u>NOT USED</u>	US26D US32D	SCHLAGE HAGER
પ્પ	1 EA. 1 EA.	DOOR STOP - WALL	WS407CCV (407-1/2)	US26D	IVES
	1 EA.	FLUSHBOLT	282D	US26D	HAGER
	1 EA.	CONTINUOUS HINGES	SL11-LL	DARK BRONZE	SELECT HINGES
	1 EA.	DOOR CLOSER	 0047E0		BY STOREFRONT MANUFACTURER
	1 EA. 1 EA.	CONCEALED VERTICAL ROD EXIT DEVICE (NO TRIM) WEATHER STRIPPING	9947EO PER STOREFRONT MANUFACTURER	313	VON DUPRIN
RR	1 EA.	DOOR SWEEP	PER STOREFRONT MANUFACTURER		
	1 EA.	THRESHOLD	255	DARK BRONZE	PEMKO
	1 EA.	PULL HANDLE	39-IG	DARK BRONZE POWDER COAT	BURNS
L		1			l .

HARDWARE REMARKS

HARDWARE SETS ARE DESCRIBED FOR SINGLE DOORS. WHERE A PAIR OF DOORS IS LISTED IN THE DOOR SCHEDULE, DOUBLE THE QUANTITY OF EACH ITEM LISTED IN THE HARDWARE SCHEDULE, UNLESS NOTED OTHERWISE.

1. WHEN A DOOR IS OVER 7'-6" TALL, PROVIDE 2 PAIR HINGES PER DOOR, U.N.O.

DARK OXIDIZED SATIN BRONZE, OILED RUBBED

HARDWARE SUPPLIER VERIFY w/ FLOOR PLANS ON MOUNTING LOCATION FOR DOOR STOP, I.E. FLOOR OR WALL.

3. FURNISH DOOR SILENCERS FOR ALL DOOR FRAMES, IVES SR64 AT METAL, SR65 AT WOOD FRAMES.

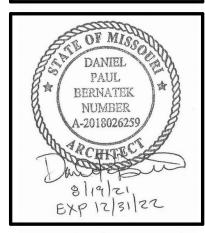
4. ALL LOCKSETS TO BE PROVIDED WITH STANDARD CYLINDERS.

HARDWARE FINISH NOTES

626 / US26D SATIN CHROME STAINLESS STEEL 630 / US32D SATIN NICKEL 619 / US15 ALUMINUM

BLACK ANODIZED

08/19/2021 ISSUED FOR NO. DATE REMARKS REVISIONS



Contractor shall verify all figured dimensions and conditions at the job site and notify Aria Group Architects,

omissions or discrepancies before beginning or fabricating any work. Do

Aria Group Architects, Inc. shall retain

duplicated, disclosed or otherwise without written consent of Aria Group

Inc. of any dimensional errors,

not scale these drawings.

GROUP

830 North Blvd. Oak Park, Illinois

708-445-8400

ariainc.com

ARIA GROUP ARCHITECTS, INC.

DOOR & WINDOW SCHEDULES

A9.1

EAD TIMES		•	Y. TILE CONTRACTOR WILL BE FULLY RESPONSIBLE INFO		EDITE ORDERS	FINISH SCI	HEDULE			
KEY	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	FINISH	SIZE	LOCATION	LEADTIME	NOTES	CONTACT
	BRICK BRICK	ARRISCRAFT ARRISCRAFT	GEORGIA ARCHITECTURAL LINEAR SERIES BRICK ARCHITECTURAL LINEAR SERIES BRICK	K WHITE PEARL OBSIDIAN	INSTALL - SMOOTH FACE	3-3/4"D X 2-1/8"H X RANDOM LENGTHS 3-3/4"D X 2-3/8"H X RANDOM LENGTHS	REFER TO EXTERIOR ELEVATIONS REFER TO EXTERIOR ELEVATIONS	4-6 WEEKS	INSTALL: RUNNING BOND 50% OFFSET. MORTAR COLOR: SPECMIX SM800 - BLACK INSTALL: RUNNING BOND 50% OFFSET. MORTAR COLOR: SPECMIX SM800 -	JACQUIE JOYCE 331-254-0996 jacquie.joyce@generalshale.com JACQUIE JOYCE 331-254-0996
	PRECAST STONE		ARCHITECTURAL LINEAR SERIES ARCHITECTURAL LINEAR SERIES	OBSIDIAN	N/A	3-5/8"H X RANDOM L X 6"D	REFER TO EXTERIOR ELEVATIONS	4-6 WEEKS	BLACK	jacquie.joyce@generalshale.com
	PRECAST STONE PLASTER FINISH	CUSTOM CAST STONE STO	ARCHITECTURAL CAST STONE STO THERM	MATCH BR-1 PAINT TO MATCH P-9 SW7674	SMOOTH ESSENCE MEDIUM SAND	REFER TO DETAILS	REFER TO DETAILS REFER TO EXTERIOR ELEVATIONS		PROVIDE SAMPL.E OF EACH FOR ARCHITECT APPROVAL. PROVIDE IMPACT	
PET	CARPET TILE	IMPACT SPECIALTIES	PEDITRED G4	7325 WROUGHT IRON		3/4" THICK RECESSED TAPERED ANGLE	VESTIBULE	N/A	RESISTANT FINISH BELOW 4'-0" VINYL ON TOW SIDES ONLY (INDIRECTION) OF TRAVEL) SUPPORTS 1000LB	MSTEPHENSON@NICHIHA.COM S NICK COUSE 888-424-6287 ncouse@c-sgroup.com
<u>)</u>		MILLIKEN	BRUSHED METAL - THERMAL, MAGNETIC FIELD -			FRAME 10"X39"	DINING & PDR	3-4 WEEKS	ROLLING LOAD, *TYP SPEC INSTALL: VERTICAL ASHLAR	KAREN ISLEY 630-222-8091 KAREN.ISLEY@MILLIKEN.
NG TILE	ACOUSTIC BOARD	ROCKFON	THERMAL COLOR-ALL	BLACK #08	N/A	2'X2'X3/4" SQUARE TEGULAR	REFER TO RCP	IN STOCK	WITH 15/16" GRID IN FLAT BLACK #88	ALENA MORRISSEY 312-785-8255
	VINYL FACED	GENESIS	SMOOTH PRO 74500	WHITE	N/A	2'X4'	REFER TO RCP	IIV OTOOK	WHITE ALUMINUM COATED STEEL GRID	alena.morrisey@rockfon.com MARSHA PAVOLA 630-248-1317
	GYPSUM TILE ACOUSTICAL INSULATION	ECOSE TECHNOLOGY	BLACK ACOUSTICAL INSULATION	BLACK	N/A	ROLL	APPLIED TO UNDERSIDE OF METAL DECK		CUT TO VARIED LENGTHS	marshapavola@acpideas.com WILLIAM COMBS 317-442-4373 WILLIAM.COMBS@KNAUFINSULATION.COM
RETE		BUTTERFIELD	INTEGRAL COLORED CONCRETE	GULLGRAY	STAINED AND POLISHED WITH LOW VOC	-	FIELD FLOOR, REFER TO FFP		3 LBS PER 100 LBS OF CONCRETE, TRANSITION STRIPS: CERAMIC TOOL	KEITH BOUDART 630-849-7626 keith@butterfieldcolor.co
		BUTTERFIELD	INTEGRAL COLORED CONCRETE	CHARCOAL	CLEAR SEALER BROOM FINISH WITH LOW VOC SEALER		PATIO		COMPANY CTC14 REDUCER DARK BRONZE AT CARPET TRANSITIONS CONTACT: 800-236-5230 3 LBS PER 100 LBS OF CONCRETE	KEITH BOUDART 630-849-7626 keith@butterfieldcolor.cc
	COLORED CONCRETE INTEGRAL	BUTTERFIELD	INTEGRAL COLORED CONCRETE	GULL GRAY	TROWEL FINISH WITH LOW VOC CLEAR		CURB @BAR AND RAISED BOOTHS		3 LBS PER 100 LBS OF CONCRETE	KEITH BOUDART 630-849-7626 keith@butterfieldcolor.cc
	COLORED CONCRETE		INTEGRAL GOLONES GONONETE	OULE GIVAT	SEALER SEALER		COND @BAINAIND IVAICED BOOTHIO		SEBSTER 100 EBS OF GONORETE	TETTT BOODFILT 000-040-7020 Kollingsulletheldeolor.ee
Y FLOO	R / VINYL FLOOR / V QUARTZ FLOORING	/INYL BASE SILIKAL	HIGH TEMP EPOSY FLOOR COATING	GRAY QUARTZ BLEND #4	TOP R81 RESIN		BACK BARS, WRAPPING ROOM, REFER TO FLOOR FINISH PLAN		SYSTEM: R61-CQ, LESS THAN 7 G/L VOC	MIKE MICHAUD 989-820-6211 mikemichaud@silikalamerica.com
	QUARTZ FLOORING	SILIKAL	HIGH TEMP EPOSY FLOOR COATING	GRAY QUARTZ BLEND #1	TOP R81 RESIN		KITCHEN, REFER TO FFP		SYSTEM: R17-CQ	MIKE MICHAUD 989-820-6211 mikemichaud@silikalamerica.com
	QUARTZ FLOORING VINYL BASE	SILIKAL JOHNSONITE	COLOR QUARTZ MANDALAY	TO MATCH D-2 40 BLACK		6"H	BOH, AROUND TILT SKILLET DRAIN ONLY AND PASTA COOKER MILLWORK AND BOOTH BASE, REFER TO DETAILS		SYSTEM: R17-CQ#1	MIKE MICHAUD 989-820-6211 mikemichaud@silikalamerica.com ENZA SCIANNA 312-405-3970
	VINYL BASE	ARMSTRONG FLOORING	COLOR INTEGRATED WALL BASE	60 JET BLACK		6"H	EQUIPMENT PLATFORM, NETWORK ROOM			ENZA.SCIANNA@CARKOTT.COM KIM MATRANGA 224-287-1509
	HOMOGENEOUS SHEET FLOORING	ARMSTRONG FLOORING	MEDINTECH/ MEDINTONE	GREY LIGHT H5301		0.080" THICK	EQUIPMENT PLATFORM			KAMANTRANGA@ARMSTRONG FLOORING.COM KIM MATRANGA 224-287-1509 KAMANTRANGA@ARMSTRONG FLOORING.COM
	OOW FILM / WINDOW GLASS	V SHADES LOCAL SOURCE	CLEAR TEMPERED GLASS			1/4" THICK	KITCHEN EXPO AND LOW WALLS		LOW IRON	
		GLASS WAREHOUSE SOLYX	STAINLESS STEEL FRAMED RADIUS CORNER VANITY MIRROR W/ BLACK FINISH SGV-6613	FROSTED STRIE	BLACK	22"X40" 48"	TOILET ROOM SLIDING DOORS TO PDR	1 WEEK	INSTALL: VERTICALLY	AARON LOTINSKY 888-657-5224 custom@decorativefilm
	WINDOW FILM	SOLYX 3M	SH2EMWG PRESTIGE SERIES	WEAVE PEARL + DARK GRAY PR70		48" WIDE VARIES BETWEEN 36", 48", 60" AND 72"	LOW WALLS IN DINING ROOM	1 WEEK		DONALD SHEDOR, 708-927-5514 shedor@comcast.net
	WINDOW SHADES	ROLL-A-SHADF	4" SQUARE FASCIA SYSTEM	FASCIA: COLOR TO MATCH	FABRIC: STYLE 2500 V22 CHARCOAL/GRAY	CONTRACTOR TO DETERMINE PROPER WIDTH VARIES BETWEEN 36",48",60" & 72"	REFER TO INTERIOR PERSPECTIVES AND RCP		PROVIDE STAINLESS STEEL CORD, OPERATION: MANUAL,	JAY GONZALEZ 951-245-5077 jay.gonzalez@rollashade.
LS				STOREFRONT	1% BY SHEER WEAVE BY PHIFER	With Ed SETTE E1700 , 10 ,00 d 72			THOUSE OF MINELESS OF ELECTRICITY. HIS WIND AL,	
1	ALUMINUM COMPOSITE PANELS	PAC-CLAD	REYNOBOND FR	DEEP BLACK			REFER TO EXTERIOR ELEVATION			TONY RAPISARDA, 773-791-7096 TONY.RAPISARDA@ALCOA.COM
	METAL COPING & SILLS		LINATO DANIELO	MATTE BLACK			REFER TO EXTERIOR ELEVATION			MIRIAM DEMICHAEL 847-228-7150 MDEMICHAEL@AMERICANPRODUCTS.COM
		PAC-CLAD AMERICAN PRODUCTS INC	HWP PANELS . ATLANTIS G-GUTTER CANOPY W/FLAT DECK	BLACK ALUMINUM BLACK	POWDERCOATED	REFER TO REFLECTED CEILING PLAN AND ELEVATIONS	REFER TO EXTERIOR ELEVATIONS ENTRY CANOPY	TBD	HANGER ROD SUPPORTS, 12" C CHANNEL FASCIA, AND INTEGRAL RECESSED LIGHTING, REFER TO A2.3	MICHAEL CALDERONE 813-925-1244 mcalderone@americanproducts.com
LLANE		MARLITE	STANDARD PEBBLED SURFACE	P100 WHITE	PROVIDE OUTSIDE TRIM PIECES AT CORNERS, INSIDE CORNERS, SEAMS AND	4'X10'X3/32"				TIM PINNOW 330-260-7631 TPINNOW@MARLITE.COM
!	REINFORCED	MARLITE	STANDARD PEBBLE	P430N - MEDIUM GRAY	END PIECES AS REQUIRED. CLASS C. PROVIDE OUTSIDE TRIM PIECES AT	4'X10'X3/32"	EMPLOYEE RESTROOMS			TIM PINNOW 330-260-7631 TPINNOW@MARLITE.COM
	PANELS OUTDOOR	ROLL-A-SHADE	MOTORIZED EXTERIOR ZIP SHADE 150	BLACK	CORNERS, INSIDE CORNERS, SEAMS AND END PIECES AS REQUIRED. CLASS C. SOLTIS FERARRI HORIZON 86	WIDTH: 105"	PATIO	IN STOCK	86-51176	JAY GONZALEZ 951-245-5077 jay.gonzalez@rollashade.c
	WEATHER SHADE SYSTEM	THOLE IT OF IT IS	MOTORIEES EXTERIOREM OF MISE 100		OSETIO I EI WWW. I I I I I I I I I I I I I I I I I	William Too	.,,,,,	III O TOOK	oc cine	orth corrections and agreement agree
T / STAIN	PAINT	SHERWIN WILLIAMS SHERWIN WILLIAMS	SW 7641 SW 7024	COLLONADE GRAY FUNCTIONAL GRAY	EG-SHEL SEMI-GLOSS		FOH STORAGE,OFFICE, BOH REFER TO RCP BOH, HOLLOW METAL DOOR FRAMES REFER TO			JESSICA NEWELL 224-223-5180 jessica.newell@sherwin. JESSICA NEWELL 224-223-5180 jessica.newell@sherwin.
	PAINT	SHERWIN WILLIAMS	SW 6222	RIVERWAY	EG-SHEL		EXTERIOR ELEVATIONS EMPLOYEE RESTROOMS, REFER TO INTERIOR ELEVATIONS			JESSICA NEWELL 224-223-5180 jessica.newell@sherwin
	PAINT	SHERWIN WILLIAMS	SW 6258	TRICORN BLACK	EXTERIOR - SEMI GLOSS		EXTERIOR REFER TO EXTERIOR ELEVATIONS		PRO INDUSTRIAL ENAMEL TO BE USED FOR ALL EXTERIOR APPLICATIONS, PRIMED PER MFR RECOMMENDATIONS	JESSICA NEWELL 224-223-5180 jessica.newell@sherwir
		PORTOLA PAINTS SHERWIN WILLIAMS	SW 7069	DRY GROUND IRON ORE	LIME WASH FLAT		TASTING BAR SOFFIT, REFER TO INTERIOR ELEVATIONS & RCP CEILINGS & SOFFITS REFER TO RCP AND			JESSICA NEWELL 224-223-5180 jessica.newell@sherwir
		SHERWIN WILLIAMS	SW 7019	GAUNTLET GRAY	FLAT		INTERIOR ELEVATIONS CEILINGS & SOFFITS REFER TO INTERIOR			JESSICA NEWELL 224-223-5180 jessica.newell@sherwin
		SHERWIN WILLIAMS SHERWIN WILLIAMS	SW 7031 SW 7674	MEGA GREIGE PEPPERCORN	EG-SHEL SEMI GLOSS AT EXTERIOR DOORS, COOLER	2	RESTROOM WALLS REFER TO EXTERIOR ELEVATIONS		EXTERIOR EXIT DOORS, SERVICE YARD WALLS & SERVICE YARD DOORS.	JESSICA NEWELL 224-223-5180 jessica.newell@sherwir JESSICA NEWELL 224-223-5180 jessica.newell@sherwir
	I / divi	OTIETOWING WILLIAMS		I EN ENGONY	- SW MACROPOXY 646-100 FC PRIMER + SW 2K WATER BASED CRAFITTI COATING IN SATIN		THE EXTERNOLULATION OF THE PROPERTY OF THE PRO		REFER TO EXTERIOR ELEVATIONS	SESSION THE TREE ZET ZES STOO JOSSIGGINONOI (@GTOTHII)
	PAINT	SHERWIN WILLIAMS	SW 6071	POPULAR GRAY	INTERIOR - FLAT EXTERIOR - SEMI-GLOSS		REFER TO EXTERIOR ELEVATIONS AND RCP		PRO INDUSTRIAL ENAMEL TO BE USED FOR ALL EXTERIOR APPLICATIONS, PRIMED PER MFR RECOMMENDATIONS	JESSICA NEWELL 224-223-5180 jessica.newell@sherwin
	LIGHT STAIN	SHERWIN WILLIAMS CUSTOM TO MATCH ARCHITECT'S SAMPLE	SW 7048	URBANE BRONZE	EG-SHEL		REFER TO INTERIOR PERSPECTIVES	_	REFER TO SPECIFICATION SHEET FOR ALL WOOD SEALER REQUIREMENTS, PROVIDE SAMPLE FOR ARCHITECT'S REVIEW	JESSICA NEWELL 224-223-5180 jessica.newell@sherwir
!	MEDIUM STAIN	CUSTOM TO MATCH ARCHITECT'S SAMPLE							REFER TO SPECIFICATION SHEET FOR ALL WOOD SEALER REQUIREMENTS, PROVIDE SAMPLE FOR ARCHITECT'S REVIEW	
TIC LAM		CUSTOM TO MATCH ARCHITECT'S SAMPLE							REFER TO SPECIFICATION SHEET FOR ALL WOOD SEALER REQUIREMENTS, PROVIDE SAMPLE FOR ARCHITECT'S REVIEW	
LAIV	PLASTIC	WILSONART	1573-60	FROSTY WHITE	TEXTURED		OFFICE CABINETS, COUNTER			ROMANA MILLS 614-477-4932 romana.mills@wilsonart.c
	PLASTIC LAMINATE	WILSONART	D91	SLATE GRAY	MATTE		RESTROOM PARTITIONS			ROMANA MILLS 614-477-4932 romana.mills@wilsonart.c
	PLASTIC LAMINATE	WILSONART	1595-60	BLACK	TEXTURED		HOST STAND, POS STATIONS, BAR, CANDY CASE, REFER TO INTERIOR ELEVATIONS AND DETAILS			ROMANA MILLS 614-477-4932 romana.mills@wilsonart.c
	PLASTIC LAMINATE PLASTIC	EGGER FENIX INTERIORS	H3791 ST12 J0720	AUBURN CARINI WALNUT NERO INGO	N/A	5' X 9' SHEETS 5'X12'	REFER TO INTERIOR PERSPECTIVES MAIN BAR DIE, REFER TO INTERIOR	IN STOCK		KATHY WALKER 630-995-1557 kathy@paxtonwood.com MINDY.SINZHEIMER 773-209-6400
Ξ	LAMINATE		JUL 20				PERSPECTIVES			MINDY.SINZHEIMER@FORMICA.COM
	QUARTZ COUNTERTOP QUARTZ	CAESARSTONE CAESARSTONE		PEBBLE 4030 STARUARIO NUVO	POLISHED POLISHED	2CM SLAB	TASTING BAR, CHECK OUT COUNTER, & BATHROOMS HOST STAND, AND MAIN BAR	IN STOCK		KATHLEEN HAYES 312-493-5976 KATHLEEN.HAYES@CAESARSTONEUS.COM KATHLEEN HAYES 312-493-5976
	COUNTERTOP QUARTZ	DALTILE		ABSOLUTE BLACK	HONED (SEAL PER SPECS)	2 CIM 2CM SLAB	POS STATIONS AND DECANTER STATIONS	3100N		KATHLEEN.HAYES@CAESARSTONEUS.COM ALLISON SANTAROSSA 812-340-2035
	GRANITE COUNTERTOP	MSI	RSL-FORTALEZA			3CM			SEAL PER SPECS	A.SANTAROSSA@DALTILE.COM
		ATLAS CONCORDE USA	RIFT - PORTLAND	PORTLAND	MATTE	12" x 24"	REFFER TO INTERIOR ELEVATIONS	2-3 WEEKS	INSTALL: STACKED VERTICALLY, GROUT: MAPEI 11 SAHARA BEIGE	DARLENE COZZI 847-561-9582 darlene.cozzi@virginiati
									MORTAR: MAPEI ULTRA FLEX LFT, CONTACT KATHLEEN MCGINLEY 630-808-9944 SCHLUTER STRIP: JOLLY (SATIN NICKEL) AT OUTSIDE CORNERS	
	PORCELIAN TILE	EMSER	CASSERO	МОКА	MATTE	12"X24"	RESTROOM WALL TILE	1-2 WEEKS	INSTALL: STACKED VERTICALLY, GROUT: MAPEI 11 SAHARA BEIGE MORTAR: MAPEI ULTRA FLEX LFT, CONTACT KATHLEEN MCGINLEY 630-808-9944 SCHLUTER STRIP: JOLLY (SATIN NICKEL) AT OUTSIDE	KATIE CALLAHAN 224-254-0071 katiecallahan@transceramica.com
	PORCELAIN TILE	MID AMERICA TILE	PENNY ROUND SERIES	ISL2630	GLOSSY	~1"DIAMETER	RESTROOM WALL TILE	2-3 WEEKS	CORNERS GROUT: MAPEI 10 CHARCOAL 1/8" JOINT SIZE MORTAR: MAPEI ULTRA FLEX	JORDAN HANGGE 847-560-3127
		MID AMERICA TII F	TIME 2.0	BLACK	NATURAL	6"X24"X10MM	WALL BASE IN PUBLIC AREAS, REFER TO	7-10 DAYS	LFT, CONTACT KATHLEEN MCGINLEY 630-808-9944 SCHLUTER STRIP: JOLL' (BRUSHED GRAPHITE ANODIZED ALUMINUM) AT OUTSIDE CORNERS GROUT: MAPEI 47 CHARCOAL 1/8" JOINT SIZE MORTAR: MAPEI ULTRA FLEX	Y jhangee@midamericantile.com
	PORCEI AINI TII E	MID AWILINGA TILE	DIVINITY	HORIZON	MATTE	6 X24 XTUMIM 24"X24"	INTERIOR PERSPECTIVES ENTRY, REFER TO FINISH FLOOR PLAN	2 WEEKS	LFT, CONTACT KATHLEEN MCGINLEY 630-808-9944 SCHLUTER STRIP: JOLL' (TRENDLINE DARK ANTRACITE) AT OUTSIDE CORNERS GROUT: MAPEI 11 SAHARA BEIGE MORTAR: MAPEI ULTRA FLEX LFT,	y jhangee@midamericantile.com JORDAN HANGGE 847-560-3127
	PORCELAIN TILE	MID AMERICA TILE			<u>-</u>		TAN TO THRIDITI LOOK FLAN	\\	CONTACT KATHLEEN MCGINLEY 630-808-9944 SCHLUTER STRIP: JOLLY (SATIN NICKEL) AT OUTSIDE CORNERS	jhangee@midamericantile.com
	PORCELAIN TILE	MID AMERICA TILE							(OMMINIONEE) MI OUTOIDE OUTWERO	
	PORCELAIN TILE NG WALL COVERING	MAHARAM	HONOR WEAVE HONOR WEAVE	HAZE COAI		52" 52"	REFER TO INTERIOR PERSPECTIVES REFER TO INTERIOR PERSPECTIVES	4 WEEKS	(GATHANONEE)/AT GOTOBE GOTALERO	
	PORCELAIN TILE NG WALL COVERING WALL COVERING WALL COVERING	MAHARAM MAHARAM	HONOR WEAVE HONOR WEAVE ARDLEY COVE	HAZE COAL CHARCOAL		52" 52" 52"	REFER TO INTERIOR PERSPECTIVES REFER TO INTERIOR PERSPECTIVES PRIVATE DINING	4 WEEKS 4 WEEKS 3-4 WEEKS	(GATHAMONEE) AT GOTOIDE GOTANERO	TYLER OFFUTT 630-776-9410 TOFFUTT@MAHARAM.C TYLER OFFUTT 630-776-9410 TOFFUTT@MAHARAM.C JACKIE RUSH 312-343-1670 JACKIE.RUSH@WOLFGORDON.COM
) / WOC	PORCELAIN TILE NG WALL COVERING WALL COVERING WALL COVERING D VENEER LIGHT WOOD	MAHARAM MAHARAM	HONOR WEAVE ARDLEY COVE WHITE OAK, CHARACTER GRADE	COAL CHARCOAL STN-1	ULTRA-MATTE, LOW VOC SEALER	52" 52" VARIES	REFER TO INTERIOR PERSPECTIVES PRIVATE DINING MILLWORK, REFER TO INTERIOR PERSPECTIVES	4 WEEKS	TO MATCH ARCHITECT'S SAMPLE	TYLER OFFUTT 630-776-9410 TOFFUTT@MAHARAM.C JACKIE RUSH 312-343-1670
D / WOC	PORCELAIN TILE NG WALL COVERING WALL COVERING WALL COVERING D VENEER	MAHARAM MAHARAM	HONOR WEAVE ARDLEY COVE	COAL CHARCOAL	ULTRA-MATTE, LOW VOC SEALER ULTRA MATTE, LOW VOC ULTRA MATTE, LOW VOC SEALER ULTRA-MATTE, LOW VOC SEALER	52" 52"	REFER TO INTERIOR PERSPECTIVES PRIVATE DINING	4 WEEKS		TYLER OFFUTT 630-776-9410 TOFFUTT@MAHARAM JACKIE RUSH 312-343-1670

G R O U P

830 North Blvd. Oak Park, Illinois 60301

708-445-8400 ariainc.com

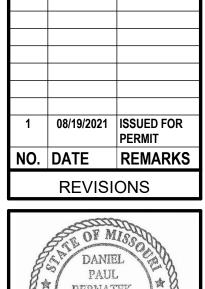
ARIA GROUP ARCHITECTS, INC.

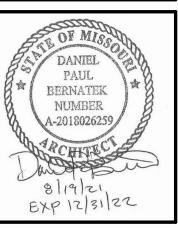
540 NW CHIPMAN ROAD, LEE'S SUMMIT, MO 64086

COOPER'S HAWK

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Drawing Title
FINISH
SCHEDULE

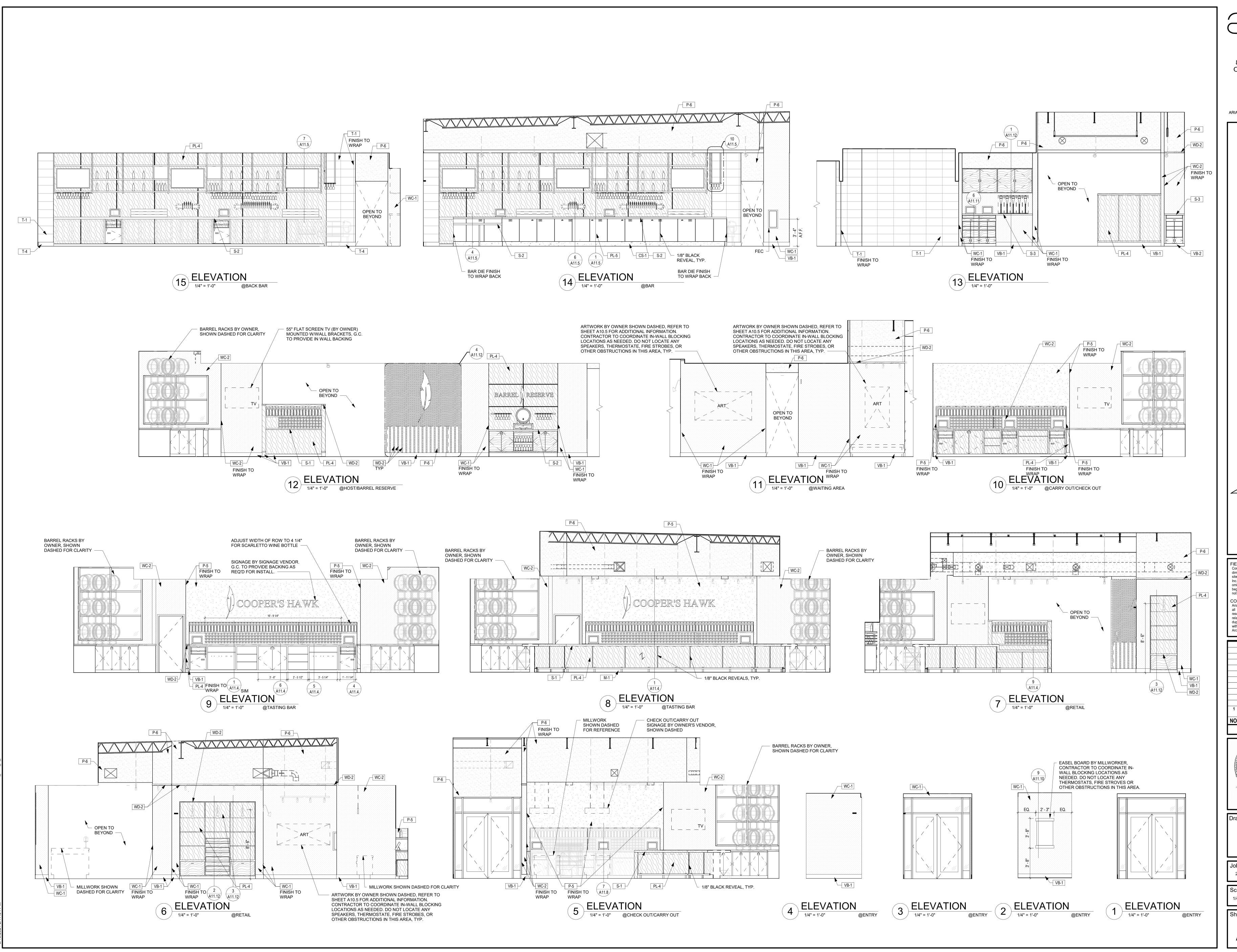
Job No.
204530 Drawn
Author

Scale Date

N.T.S. 08/19/2021

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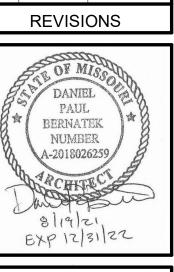
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REVISIONS

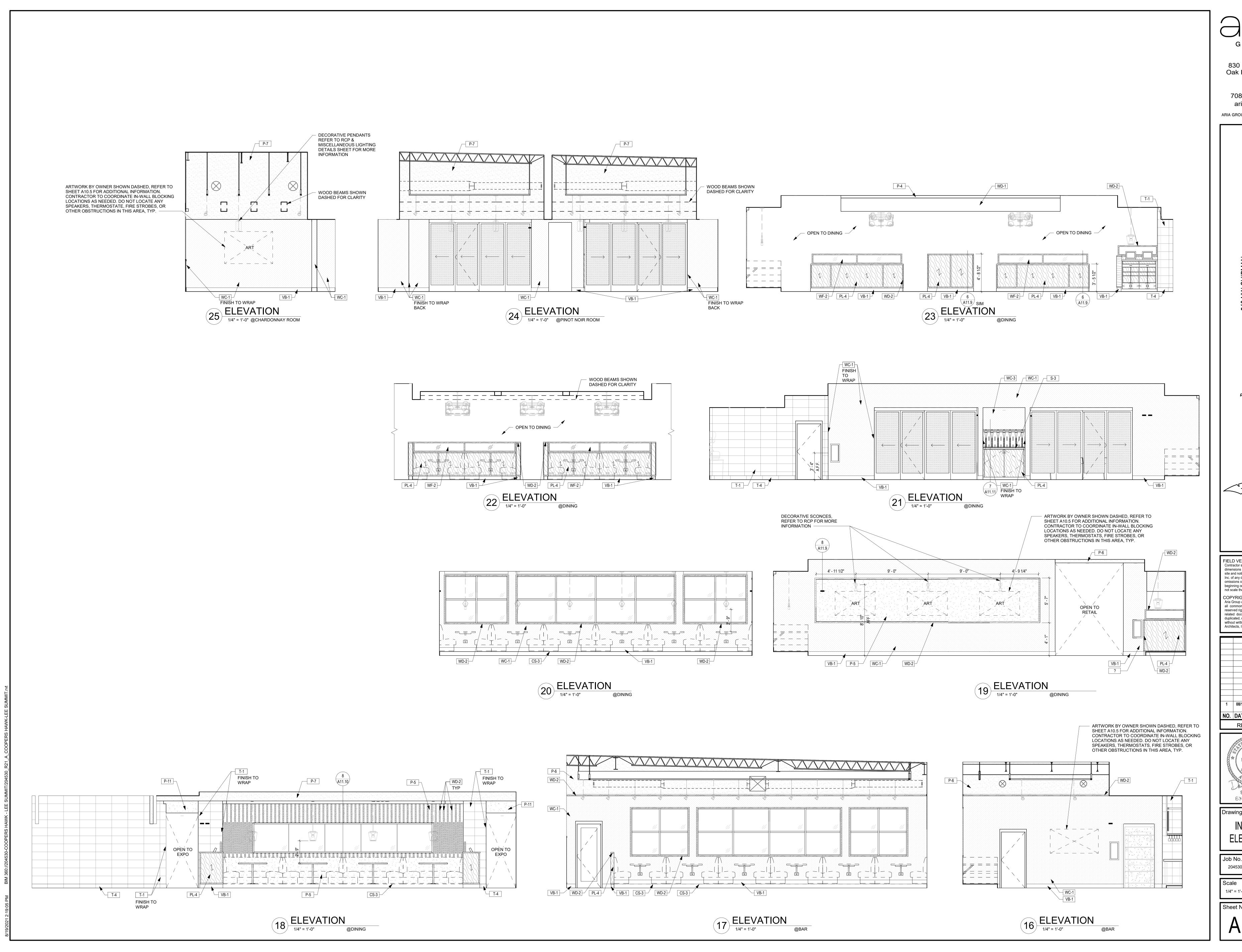


Drawing Title
INTERIOR
ELEVATIONS

No.
Drawn
JC/EN

Job No. 204530 Drawn JC/EN

Scale 1/4" = 1'-0" Date 08/19/2021



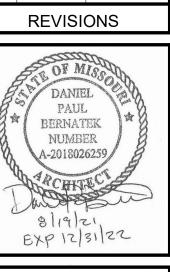
830 North Blvd. Oak Park, Illinois 60301

708-445-8400 ariainc.com ARIA GROUP ARCHITECTS, INC.

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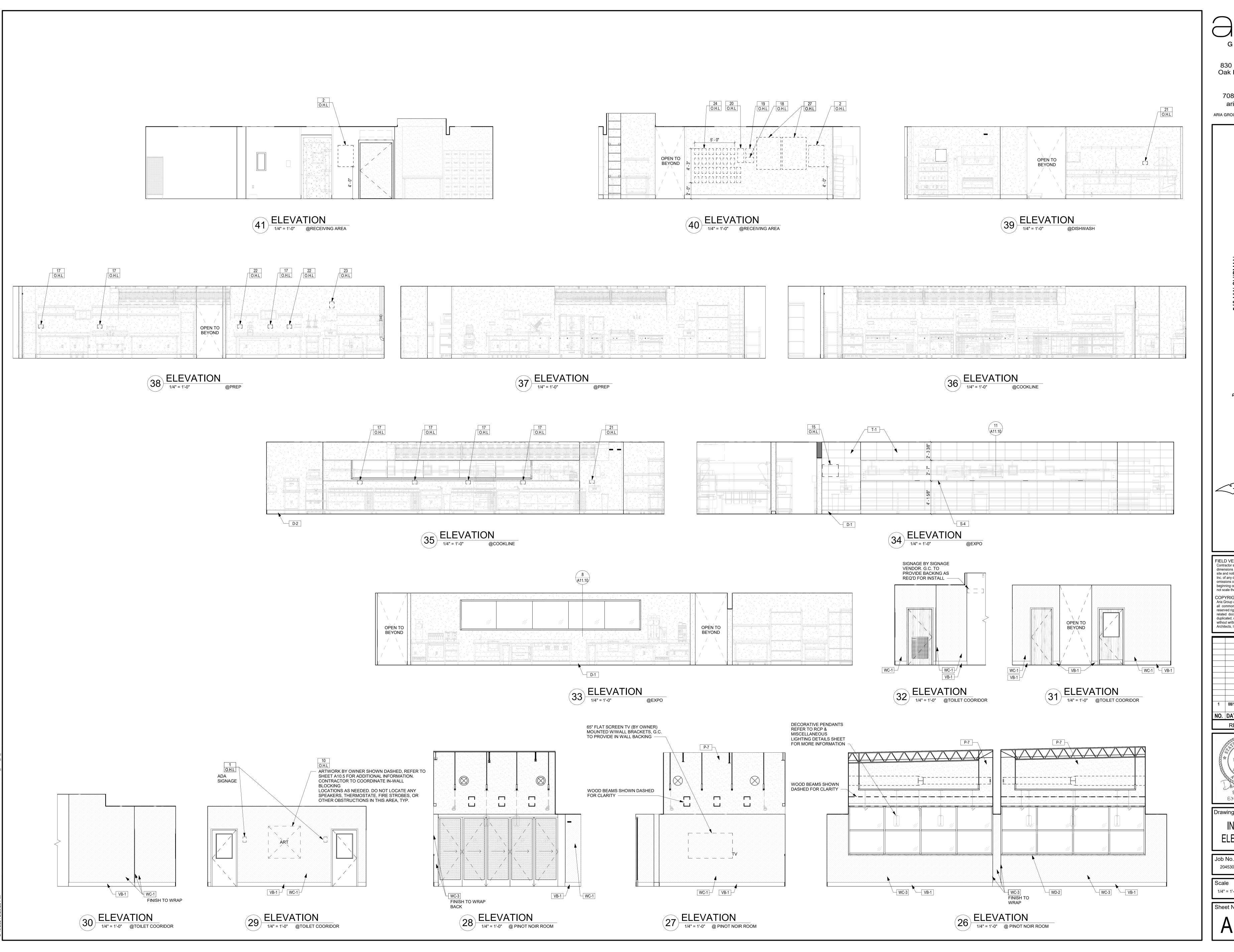
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Drawing Title INTERIOR **ELEVATIONS**

204530 1/4" = 1'-0" 08/19/2021



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A GROUP ARCHITECTS

540 NW CHIPMAN ROAD, LEE'S SUMMIT, I I MO 64086

COOPERS HAWK

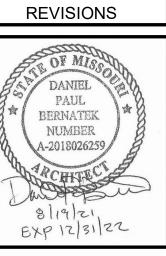
FIELD VERIFICATION
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Drawing Title

INTERIOR

ELEVATIONS

No. Drawn

Job No. 204530 Drawn

Scale Date

1/4" = 1'-0" 08/19/20

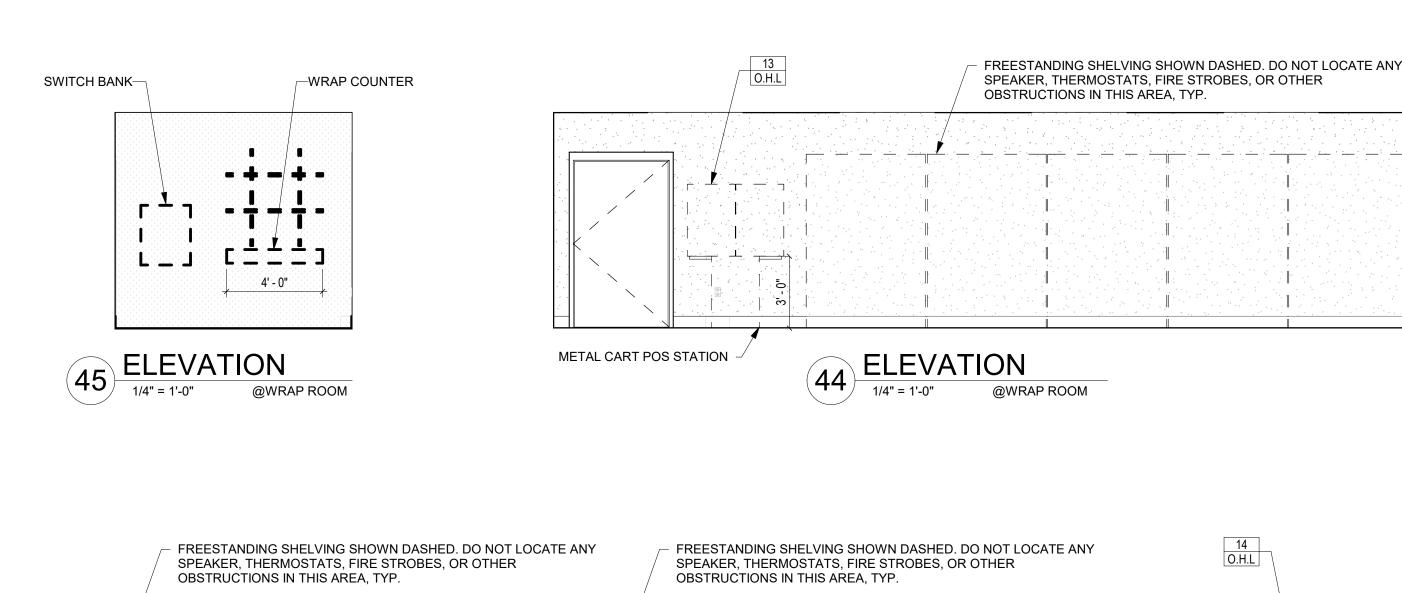
1/4" = 1'-0" 08/19/2021

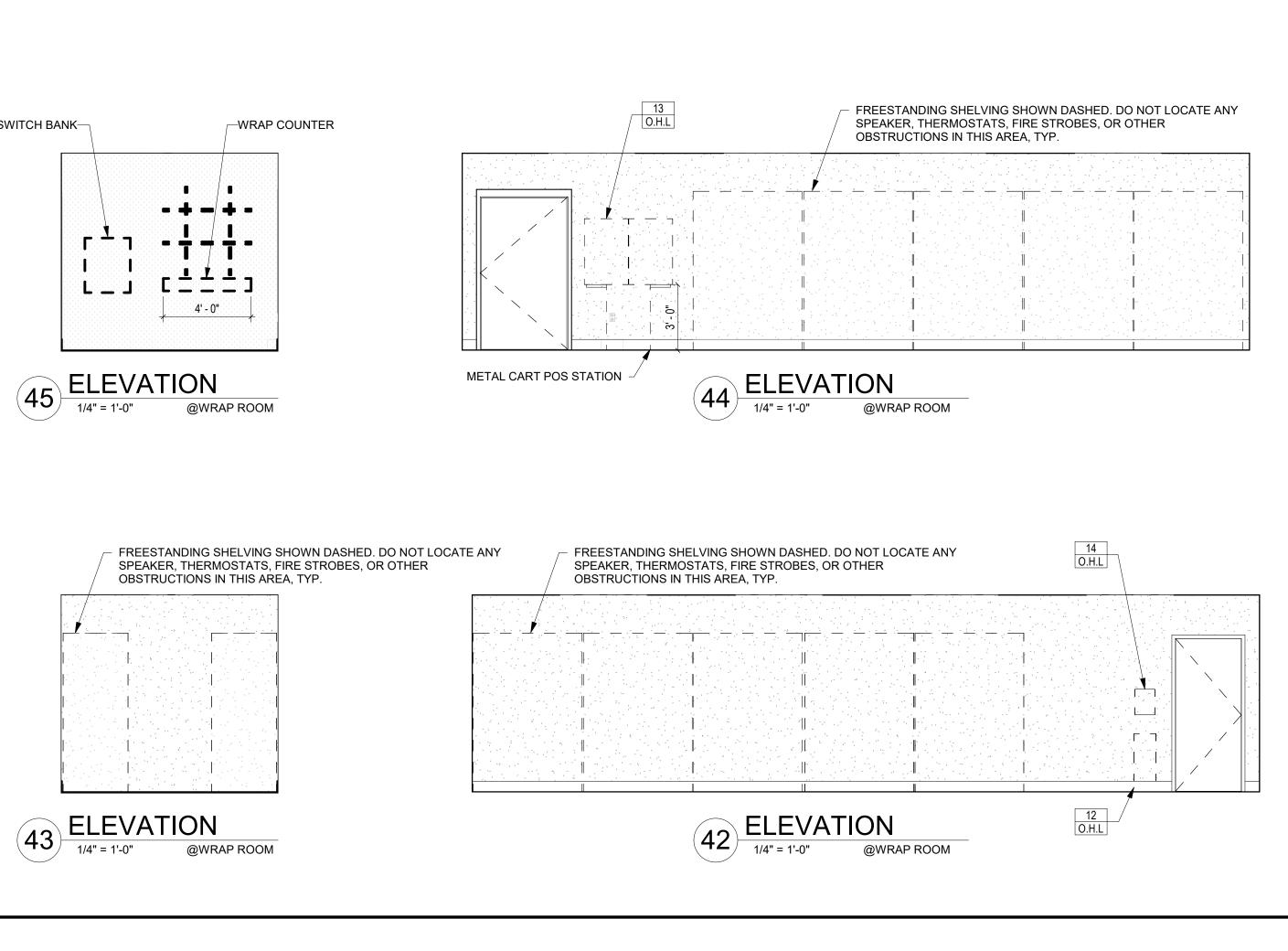
Sheet No.

			GING LIS	
TAG	LOCATION	ACTION	DRAWING ACTION	NOTES
ADA SIGNAGE	EMPLOYEE RESTROOMS	INSTALL ADA RESTROOM SIGNAGE	REFER TO A8.1	GC TO PROVIDE
OHL				
SIGNAGE	EMPLOYEE	INSTALL "WE	REFER TO NOTED	WILL BE IN STORAGE
2 OHL	BREAK AREA, BACK DOOR & OFFICE DOOR BELOW OPTIC VIEWER	CREATE COMMUNITY" SIGNAGE	FLOOR PLAN & A8.1	CONTAINER
HANG SCREWS FO	OR (6) CLIP BOARD			
4 OHL	OFFICE	HANG SCREWS FOR CLIP BOARDS	REFER TO SHEET A8.1	1 SCREW PER CLIPBOARD, WILL BE IN STORAGE CONTAINER
FIRST AID KIT				
5 OHL	OFFICE	MOUNT FIRST AID KIT	REFER TO SHEET A8.1	WILL BE IN STORAGE CONTAINER
KEY CABINET				<u> </u>
6 OHL	OFFICE	INSTALL KEY BOX	REFER TO SHEET 18.1	WILL BE IN STORAGE CONTAINER
BLACK MESH 3-TII	ER BASKET (4 TOTA OFFICE @EACH	AL) HANG 3-TIER	REFER TO SHEET	WILL BE IN STORAGE
OHL	COMPUTER STATION	BASKET	A8.1	CONTAINER
ARTWORK	EVERYWHERE	ARTWORK	REFER TO INTERIOR	SUPPLIED BY
IO OHL	LVERTWIILIKE	ANTWONK	ELEVATIONS	OWNER, ASK PM
YELLOW TUBE FO	 PR FLOOR SIGNAGE			
I2 OHL	PREP, TASTING AREA, BAR, BATHROOM STORAGE, EXPO, WRAP ROOM	HANG WET FLOOR TUBES	REFER TO NOTED FLOOR PLAN & INTERIOR ELEVATIONS	PROVIDED BY OWNER
24 X 36 CORK BOA	. , ,	LIANO CODIC	DEEED TO INTERIOR	WILL DE IN OTODACE
I3 OHL	WRAPPING ROOM	HANG CORK BOARD	REFER TO INTERIOR ELEVATIONS	WILL BE IN STORAGE CONTAINER
11 X 14 DRY ERAS	1			
I4 OHL	WRAPPING ROOM	WRAPPING ROOM	REFER TO INTERIOR ELEVATIONS	PROVIDED BY OWNER
18 X 24 DRY ERAS	1	LIANO OS DOADO	DEEED TO INTERIOR	WILL DE IN OTODACE
I5 OHL	EXPO	HANG 86 BOARD	REFER TO INTERIOR ELEVATIONS	WILL BE IN STORAGE CONTAINER
UTILITY HOOK				
16 OHL	PREP LINE	HANG TURBO COOP HOOK	REFER TO INTERIOR ELEVATIONS	BEHIND STAND MIXER, 48" AFF
SS GLOVE DISPEN	1	,,,,,,	DEEE2 = 2 ::	
	COOKLINE, EXPO, RECEIVING, PREP	HANG GLOVE DISPENSER HOLDER	REFER TO INTERIOR ELEVATIONS & NOTED FLOOR PLAN	ASK PM
RECTANGLE BLAC	1	LIANO	DEFED TO INTERIOR	WILL DE IN OTODACE
I8 OHL	BY EMPLOYEE BREAK AREA	HANG RECTANGLE BASKET	REFER TO INTERIOR ELEVATIONS	WILL BE IN STORAGE CONTAINER
1 SCREW ANCHOR	RED INTO WALL FO			
19 OHL	BY EMPLOYEE BREAK AREA	HANG SCREWS FOR CLIP BOARDS	REFER TO INTERIOR ELEVATIONS	WILL BE IN STORAGE CONTAINER
CLEAR PLASTIC B	ROCHURE HOLDER	<u> </u>		
20 OHL	BY EMPLOYEE BREAK AREA	HANG CLEAR PLASTIC BROCHURE	REFER TO INTERIOR ELEVATIONS	WILL BE IN STORAGE CONTAINER
WHITE CAGE FOR	SANITIZER WIPES			
21 OHL	COOKLINES (2) DISH (1) BACK DOOR (1)	HANG HAND SANITIZER CAGES	REFER TO INTERIOR ELEVATIONS & NOTED FLOOR PLAN	ASK PM
INSTALL 3 SCREW		S INTO WALL WITH		
22 OHL	PREP KITCHEN	HANG SCREWS FOR CLIPBOARD	REFER TO INTERIOR ELEVATIONS	WILL BE IN STORAGE CONTAINER

CLOCKS

			GING LIS	
REFER TO	NOTES FOR WHO	PROVIDES, GENEF	RAL CONTRACTOR TO IN	NSTALL U.N.O.
TAG 23	PREP KITCHEN	ACTION HANG TWO CLOCKS	ACTION REFER TO NOTED FLOOR PLAN	NOTES WILL BE IN STORAG CONTAINER
OHL		NAME AND THE ANGLE		
24 OHL	RECEIVING	WALL WITH ANCHO INSTALL SCREWS FOR CLIP BOARDS	REFER TO INTERIOR ELEVATIONS	WILL BE IN STORA CONTAINER
BLACK MESH BAS	KET RECEIVING	HANG MESH	REFER TO NOTED	WILL BE IN STORA
25 OHL	REGEIVING	BASKET	FLOOR PLAN	CONTAINER
OCKING MAIL BO	X			
26 OHL	RECEIVING	INSTALL LOCKING INVOICE BOX	REFER TO NOTED FLOOR PLAN	WILL BE IN STORAGE CONTAINER
86 X 48 CORK BOA	RDS (2) EMPLOYEE	INSTALL	REFER TO INTERIOR	WILL BE IN STORAG
27 OHL	BREAK AREA	EMPLOYEE COMMUNICATION BOARDS	ELEVATIONS	CONTAINER
HOOKS (3 TOTAL)	LEFTOVER	HANG HOOKS	REFER TO NOTED	WILL BE IN STORA
28 OHL	STATION	OVER LEFTOVER STATION	FLOOR PLAN	CONTAINER - 15' ABOVE COUNTER
ICENSE PICTURE	FRAMES HOST STAND	HANG LICENSE	REFER TO NOTED	COMES FROM PM
29 OHL	AREA & TASTING AREA	FRAMES	FLOOR PLAN	
CAN OPENER	PREP AREA	INSTALL CAN	REFER TO INTERIOR	INSTALLED BY KE
30 OHL	PREPAREA	OPENER ON COUNTER	ELEVATIONS	ASK PM
KNIFE RACK	PREP AREA	INSTALL KNIFE	REFER TO INTERIOR	INSTALLED BY KE
3I OHL	FREFAREA	HOLDERS	ELEVATIONS	ASK PM
PADDLE HOLDER	ICE MACHINE	HANG ICE	REFER TO NOTED	COME WITH ICE
32 OHL	WALL	PADDLE HOLDER	FLOOR PLAN	MACHINE SUPPLIE BY OWNER, ASK P
BROOM RACK	MOP AREA	HANG MOP RACK	REFER TO NOTED	SUPPLIED BY KEO
33 OHL			FLOOR PLAN	GC TO COORDINA ASK PM
AIR FRESHENERS	TEST STRIPS, MSI	DS BOOKS		
34 OHL	DISH ROOM, BATHROOMS, MOP SINK	ECO LAB TO HANG ITEMS: TEST STRIPS IN DISH MACHINE, MSDS BOOK @ MOP SINK & AIR FRESHENERS IN	REFER TO SHEET A8.1 & NOTED FLOOR PLAN	ECO LAB TO SUPP BY OWNER, ASK F





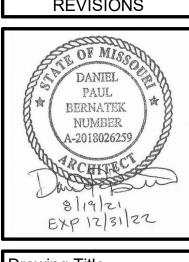
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Drawing Title **ELEVATIONS**

Job No.

204530 Scale 1/4" = 1'-0" 08/19/2021

GENERAL NOTES

ALL ARTWORK TO BE INSTALLED WITH SECURITY HARDWARE.

G R O U P

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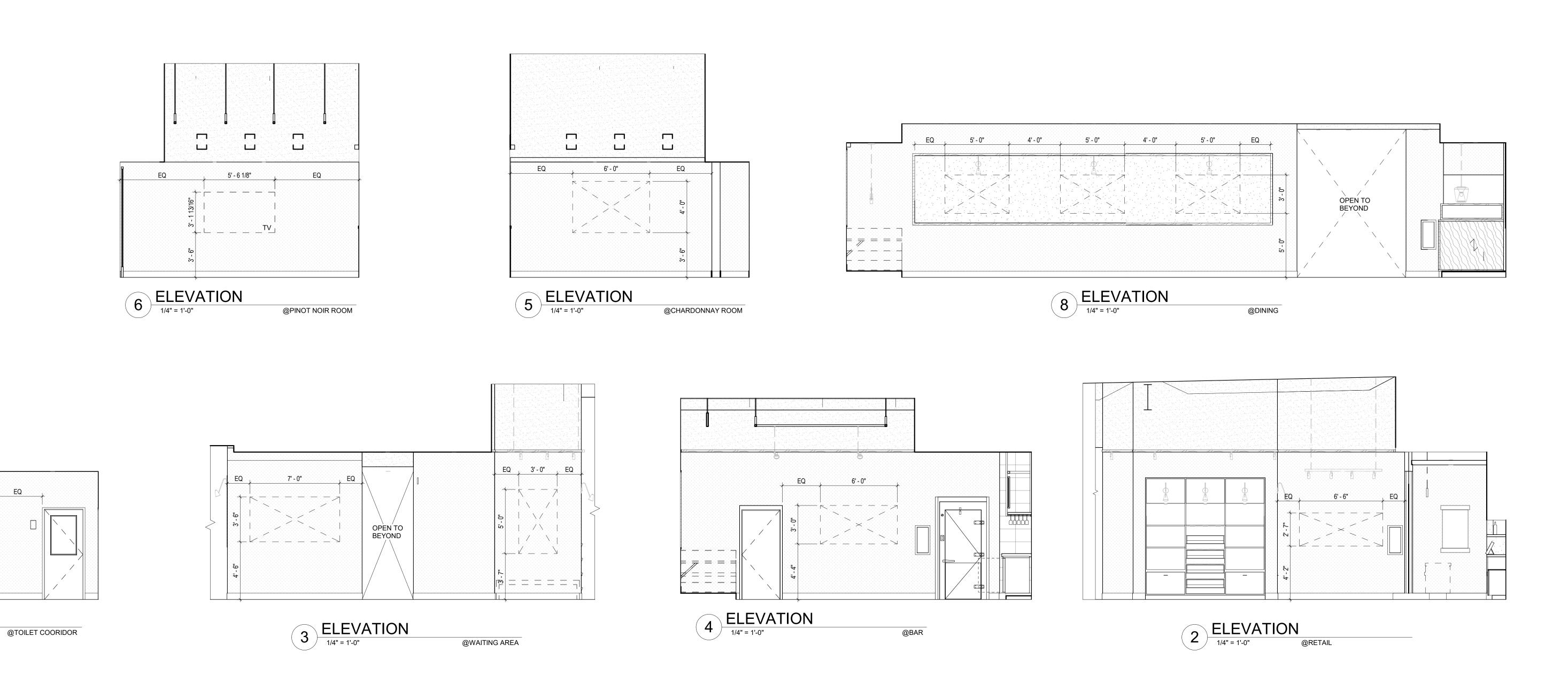
DANIEL
PAUL
BERNATEK
NUMBER
A-2018026259
8 1 9 12 | 31 | 22

Drawing Title
INTERIOR
ARTWORK
ELEVATIONS

204530 E
Scale Date

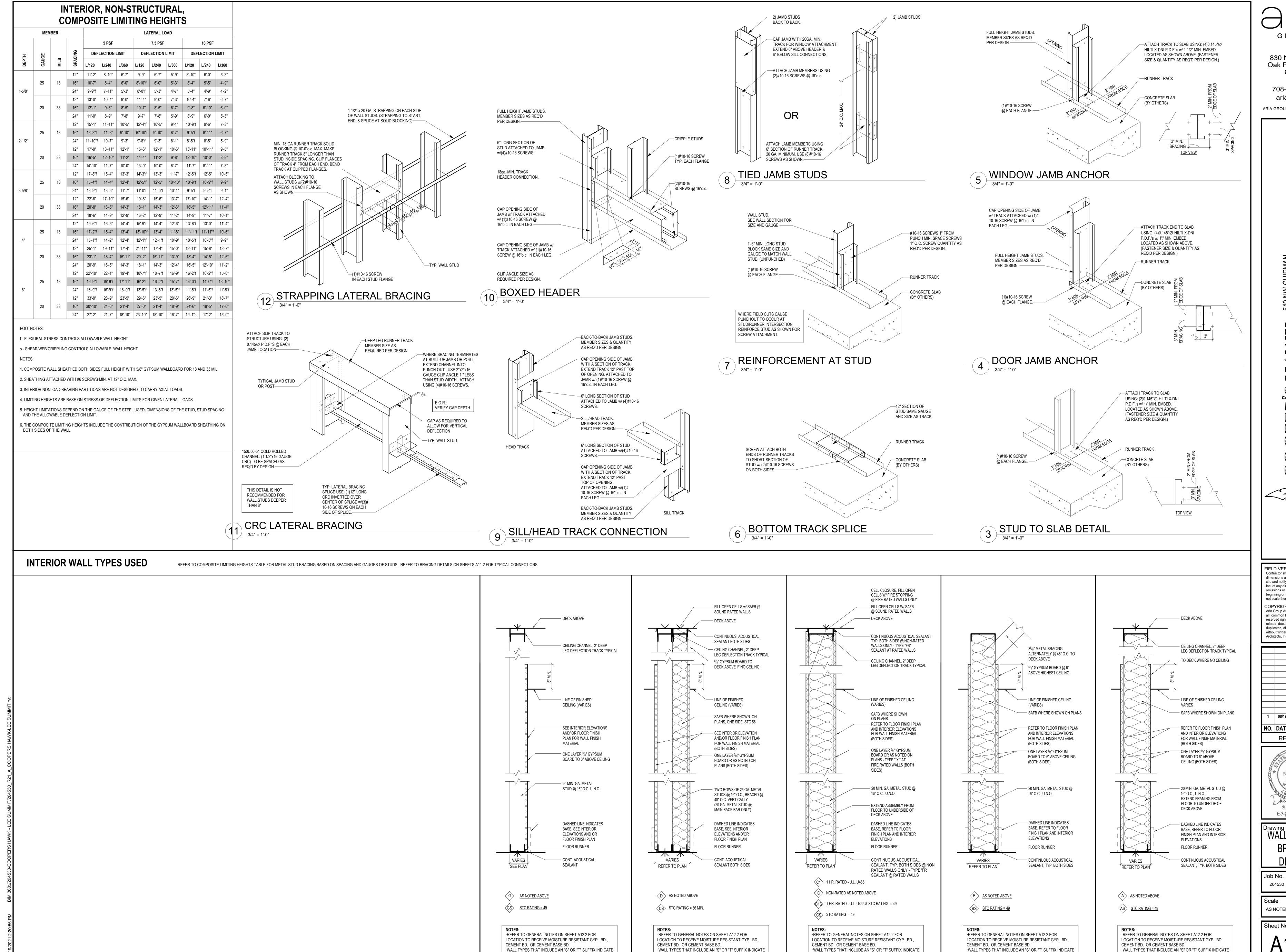
AS NOTED 08/

Sheet No.



7 ELEVATION
1/4" = 1'-0"

	ARTWORK SCHEDULE										
IMAGE	TAG	Location	WEBSITE	IMAGE NAME	IMAGE NUMBER	SIZE	MEDIA	NOTES	ARCH SHEETS		
	DA-1	RETAIL		THE PROCESS OF WINEMAKING		6'-6"W X 2'-7"H	1.5" STRETCH CANVAS W/ ACOUSTIC INFILL	ARTWORK TO BE REVISED BY OWNER TO BE ON A SINGLE CANVAS; IMAGE SHOWN IS A PLACEHOLDER	REFER TO ELEV. 6 ON SHEET A10.1		
Stock Stock Str	DA-2	BAR DINING	ISTOCK	SCENIC TUSCANY LANDSCAPE AT SUNRISE	488356904	6'W X 3'H	1.5" STRETCH CANVAS W/ ACOUSTIC INFILL	OWNER PROVIDED IMAGE / IMAGE CROPPED	REFER TO ELEV. 16 ON SHEET A10.2		
ck is fock ist	DA-3	WAITING	ISTOCK	THE WINE CELLAR PATH	494899718	3'W X5'H	1.5" STRETCH CANVAS W/ ACOUSTIC INFILL	OWNER PROVIDED IMAGE / IMAGE CROPPED	REFER TO ELEV. 11 ON SHEET A10.1		
	DA-4	RESTROOM CORRIDOR	SHUTTERSTOCK	AUTUMN IN NORTHERN ITALY REGION CALLED LANGHE WITH COLORFUL VINEYARDS	511847734	4'W X 4'H	1.5" STRETCH CANVAS W/ ACOUSTIC INFILL	OWNER PROVIDED IMAGE / IMAGE CROPPED	REFER TO ELEV. 29 ON SHEET A10.3		
	DA-5	BARREL RESERVE		CUSTOM PRINTED WINEBELT ARTWORK		7'W X 3'-6"H	3MM DIBOND		REFER TO ELEV. 11 ON SHEET A10.		
	DA-6	DINING AREA	DEPOSITPHOTOS	TUSCANY LANDSCAPE PANORAMA	99899770	5'W X 3'H	1.5" STRETCH CANVAS W/ ACOUSTIC INFILL	OWNER PROVIDED IMAGE / IMAGE CROPPED	REFER TO ELEV. 19 ON SHEET A10.2		
and the second s	DA-7	DINING AREA	DEPOSITPHOTOS	TUSCANY LANDSCAPE PANORAMA	99899770	5'W X 3'H	1.5" STRETCH CANVAS W/ ACOUSTIC INFILL	OWNER PROVIDED IMAGE / IMAGE CROPPED	REFER TO ELEV. 19 ON SHEET A10.2		
N	DA-8	DINING AREA	DEPOSITPHOTOS	TUSCANY LANDSCAPE PANORAMA	99899770	5'W X 3'H	1.5" STRETCH CANVAS W/ ACOUSTIC INFILL	OWNER PROVIDED IMAGE / IMAGE CROPPED	REFER TO ELEV. 19 ON SHEET A10.2		
Stock Stock Stock	DA-9	PRIVATE DINING	ISTOCK	VINEYARD SUNSET	978754758	6'H X 4'H	1.5" STRETCH CANVAS W/ ACOUSTIC INFILL	OWNER PROVIDED IMAGE / IMAGE CROPPED	REFER TO ELEV. 25 ON SHEET A10.2		
	DA-10								REFER TO ELEV. 27 ON SHEET A10.		



A SOUND BATT OR THERMAL BATT AS SHOWN IN PLAN

A SOUND BATT OR THERMAL BATT AS SHOWN IN PLAN

A SOUND BATT OR THERMAL BATT AS SHOWN IN PLAN

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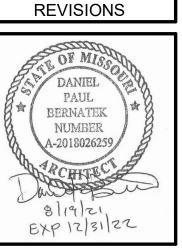
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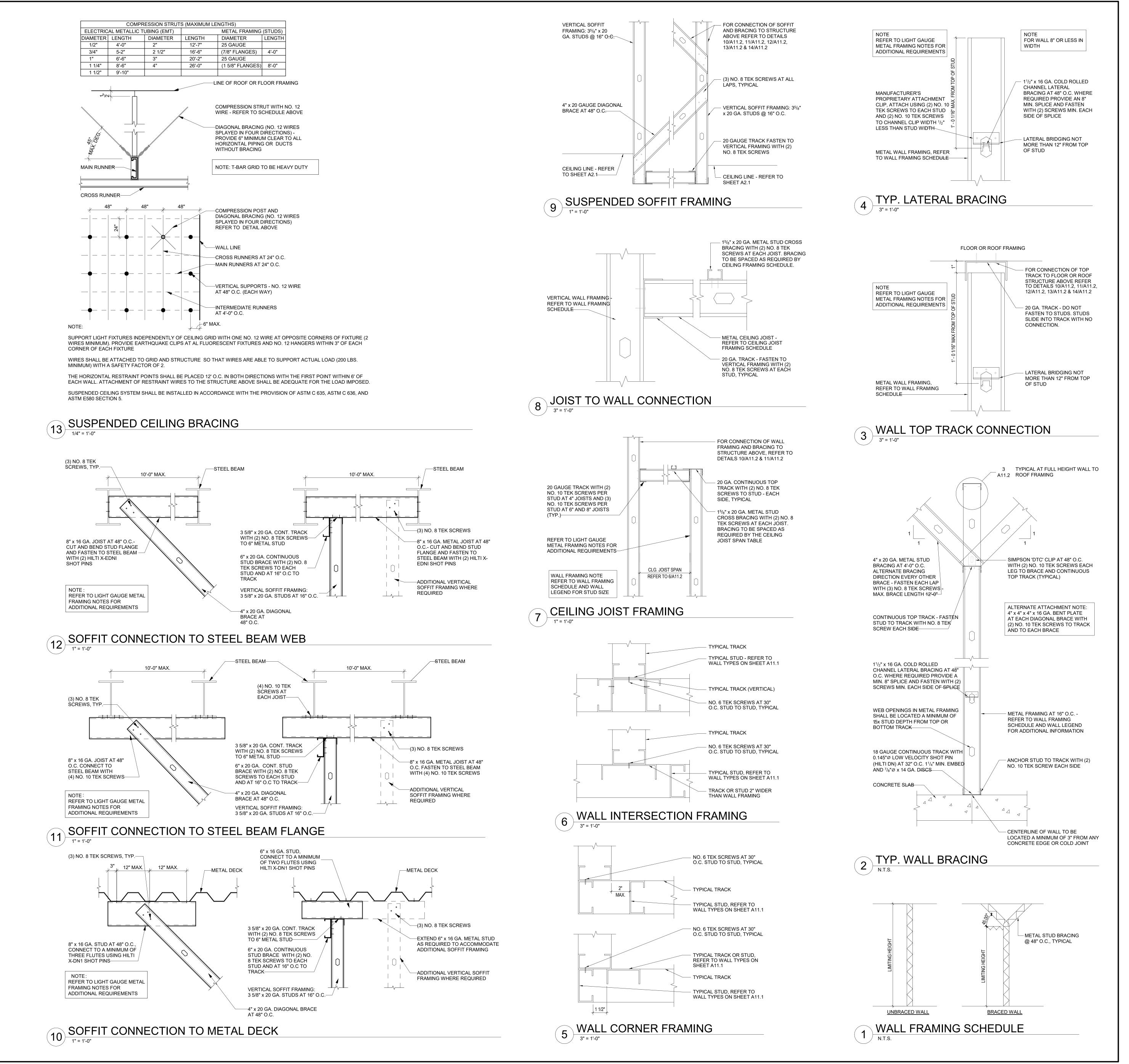


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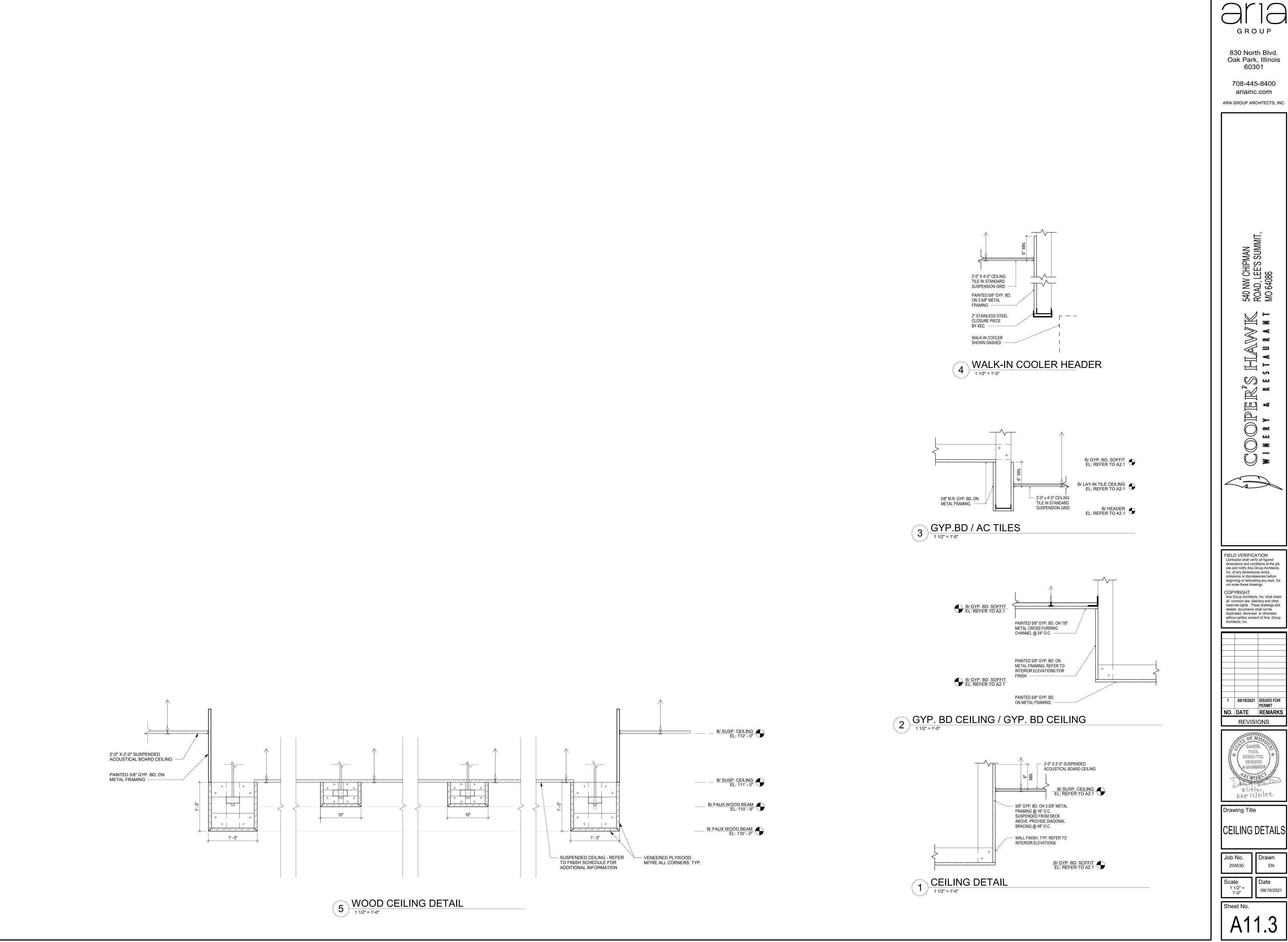
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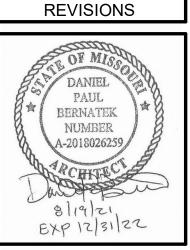
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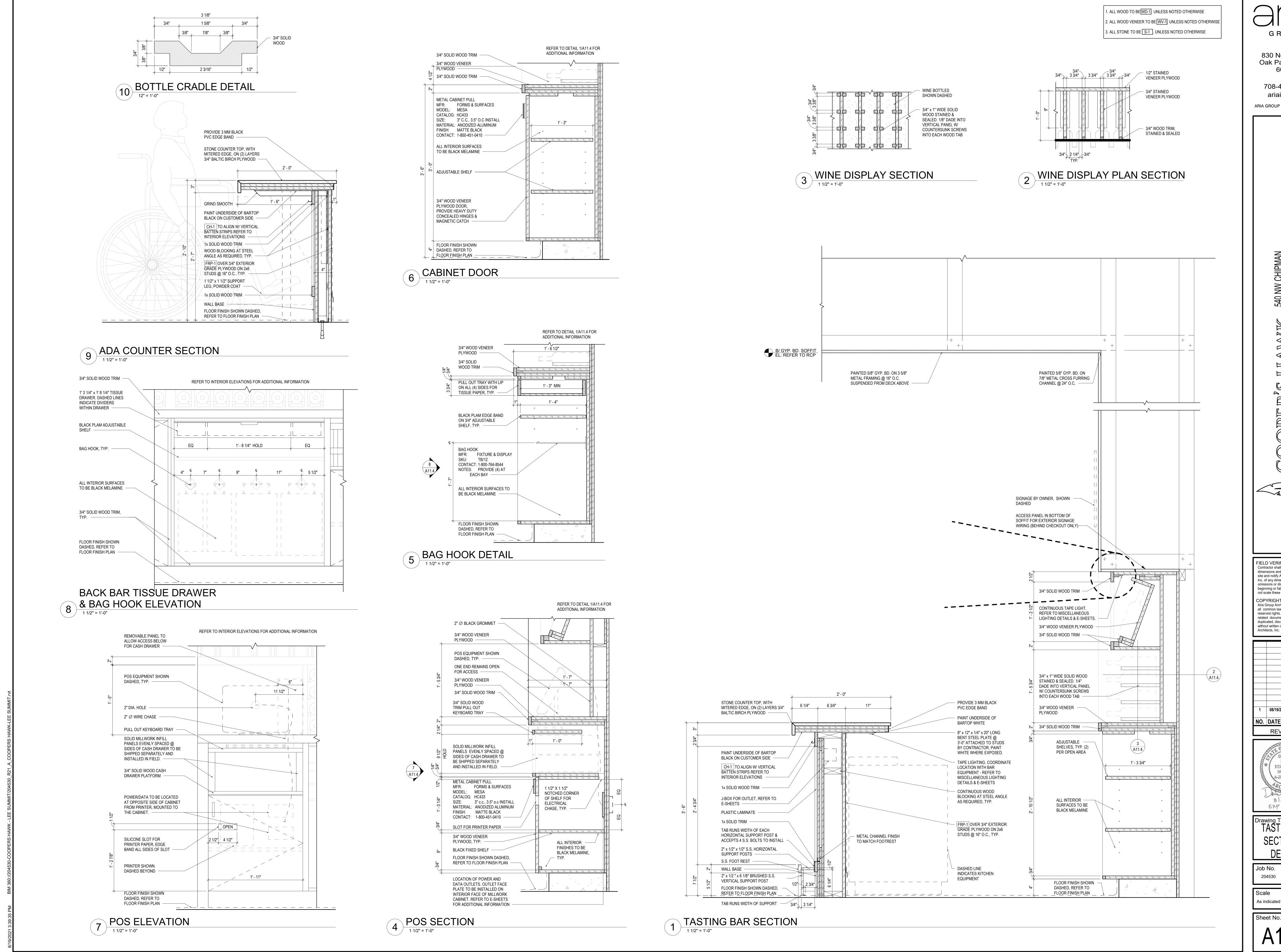
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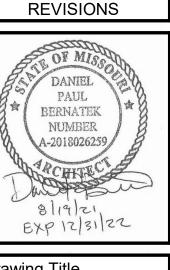


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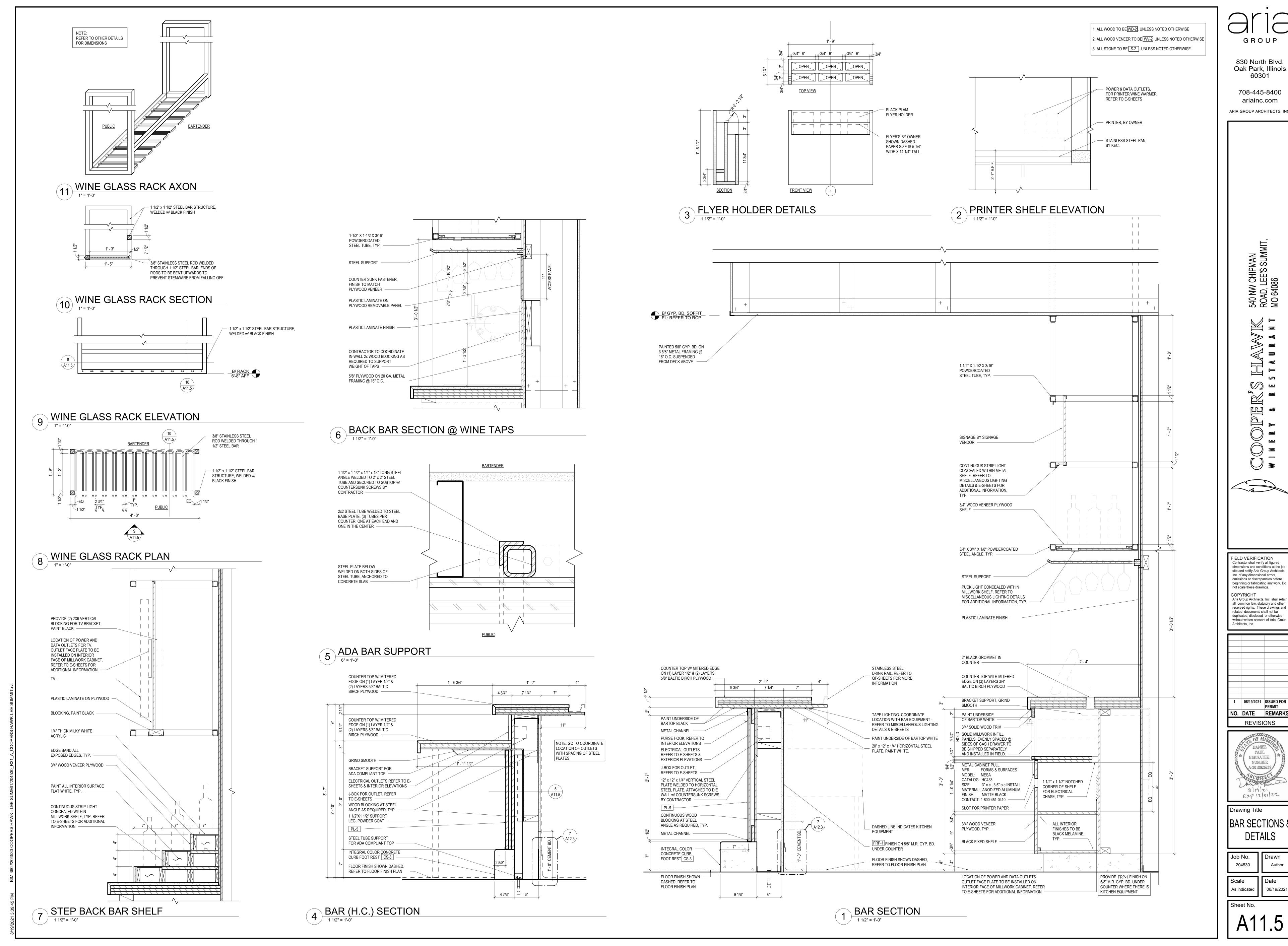
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TASTING BAR **DETAILS**

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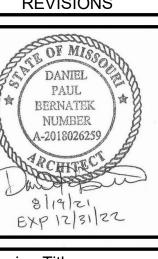
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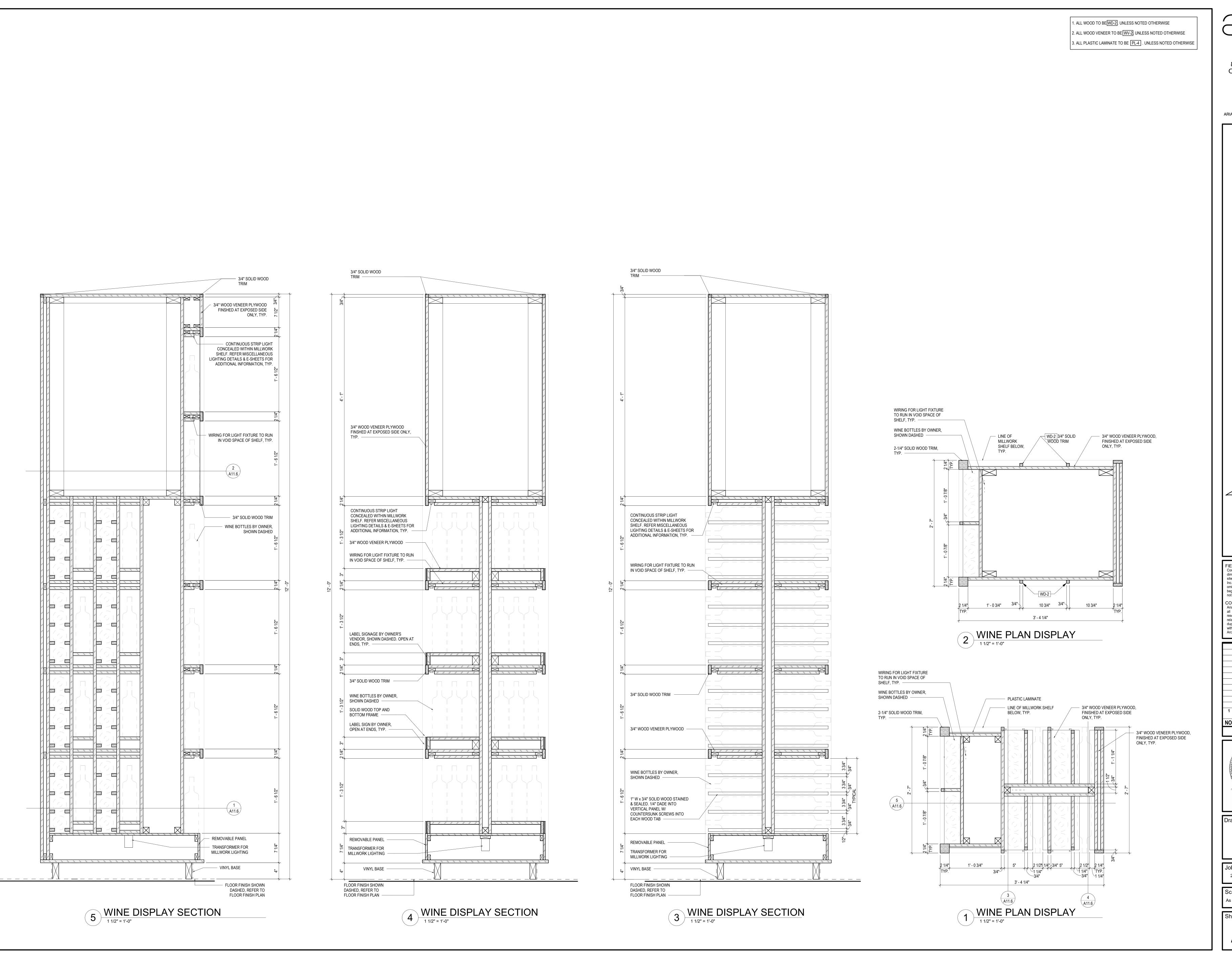
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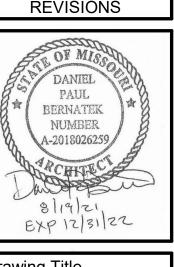
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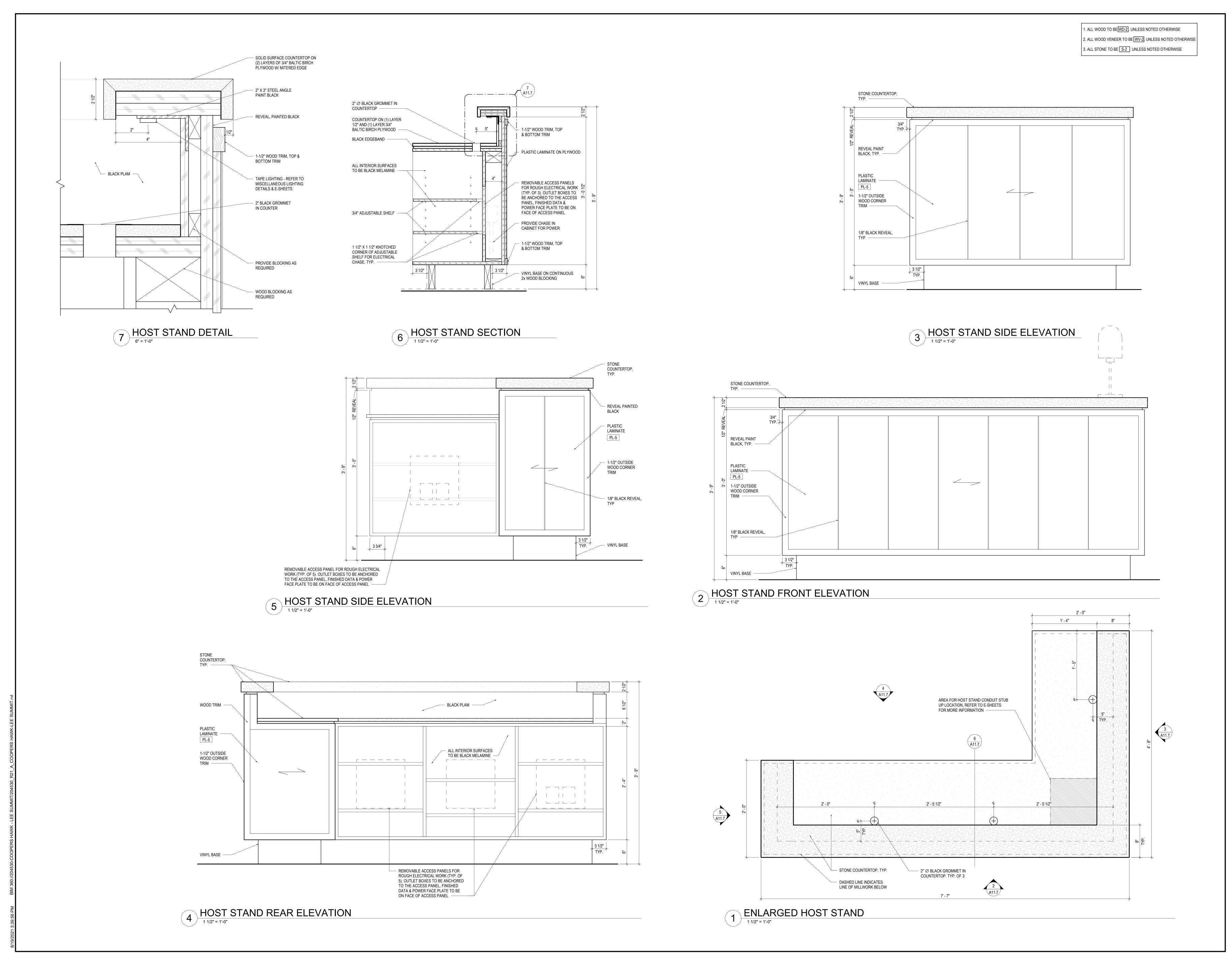


RETAIL
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DETAILS

Job No. 204530 Drawn AZ

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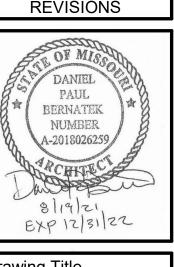
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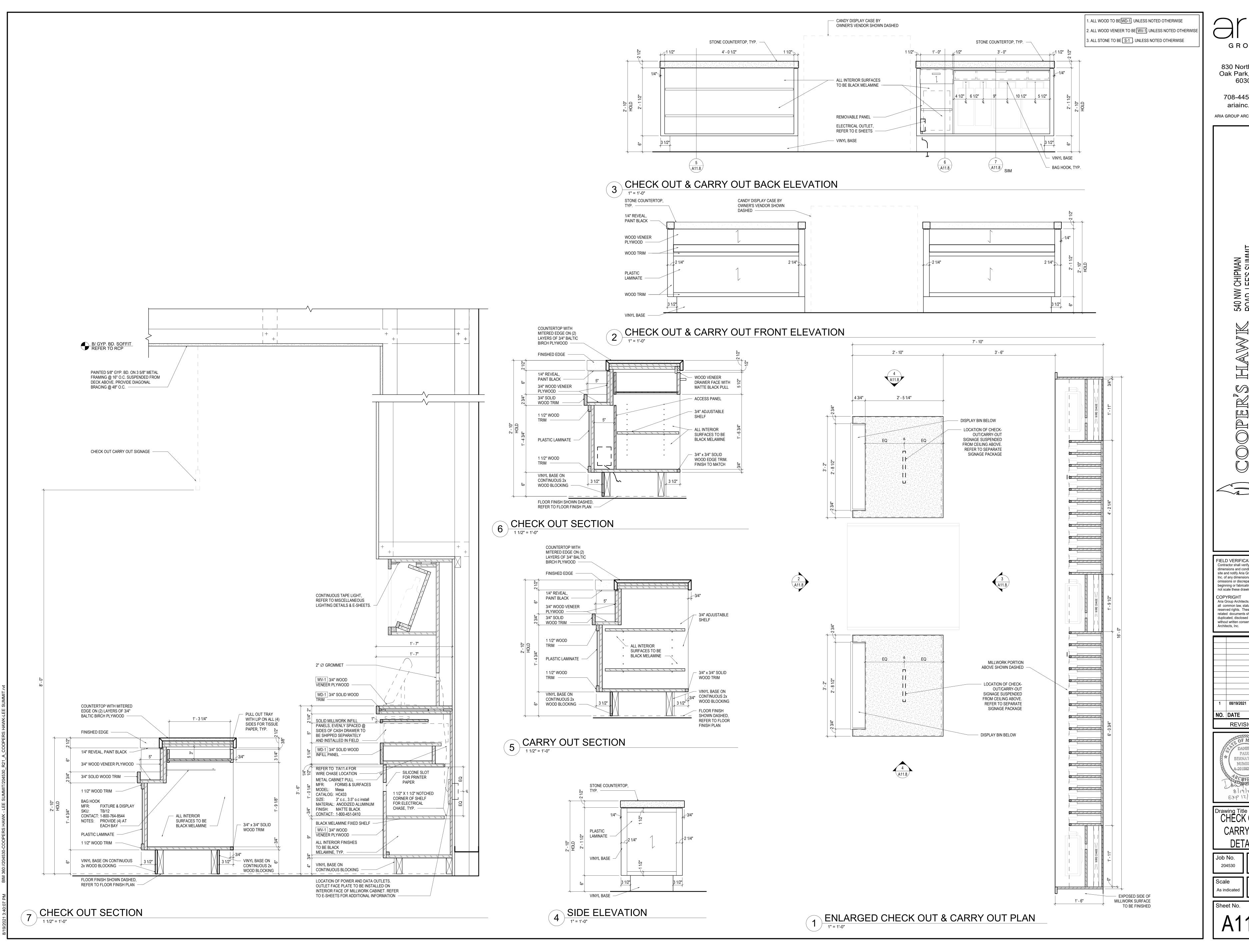
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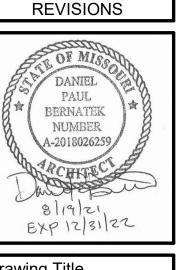
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Drawing Title
CHECK OUT & CARRY OUT DETAILS

Drawn Author

08/19/2021

1' - 4 1/2"

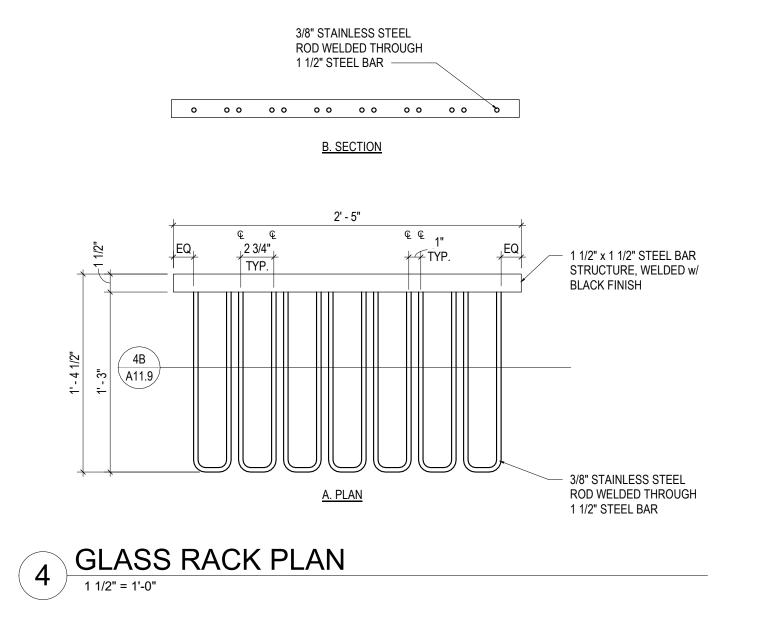
1' - 11"

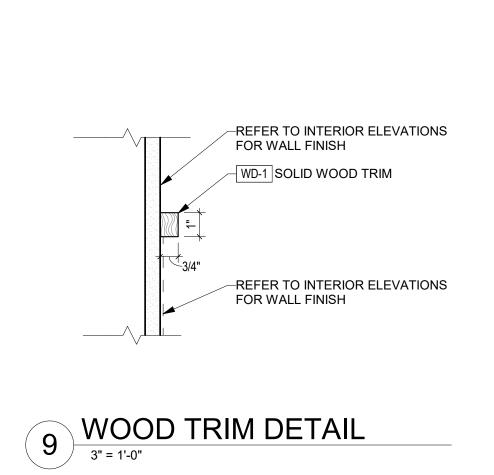
| ALL INETRIOR —

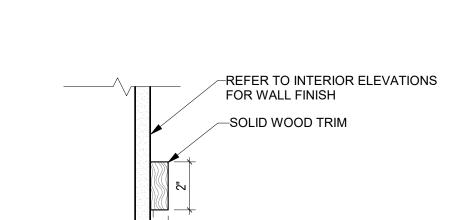
SURFACES TO BE

1' - 8"

— BLACK MELAMINE

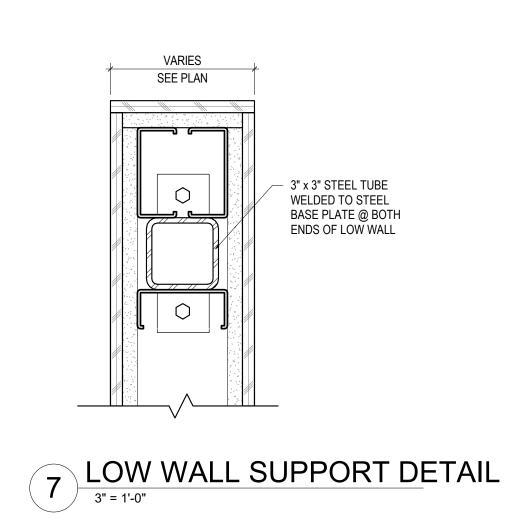


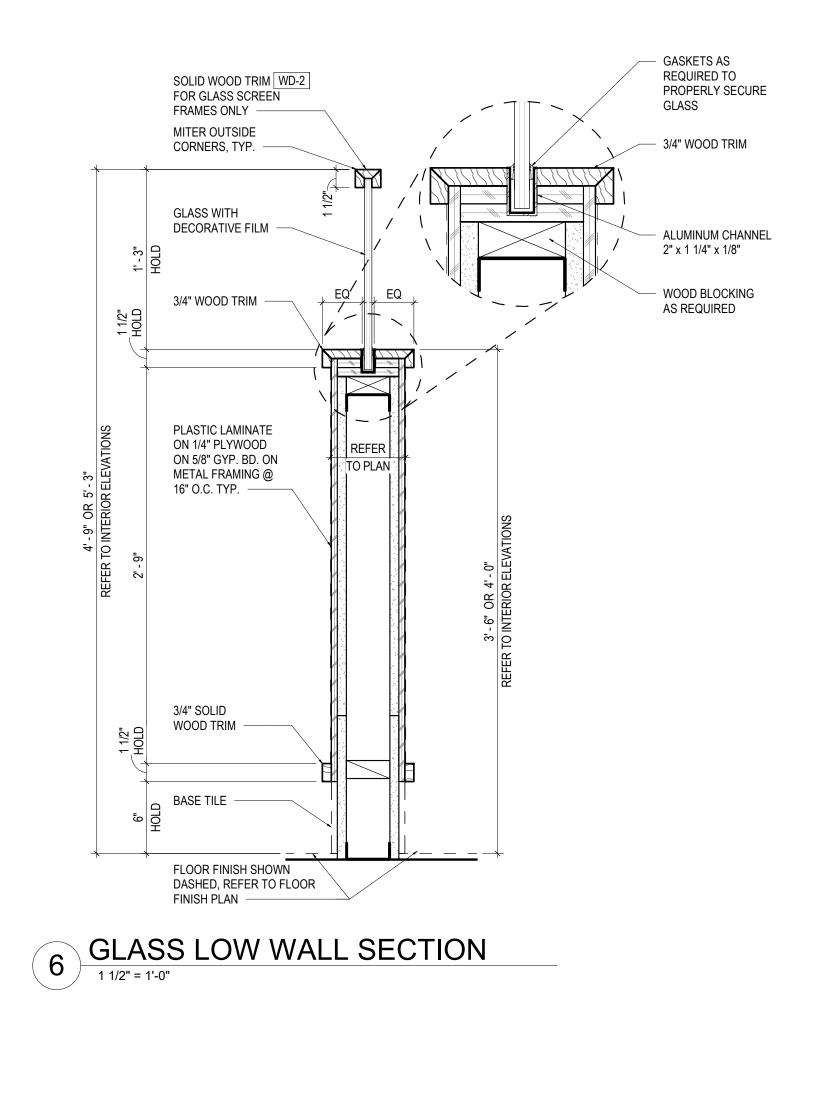


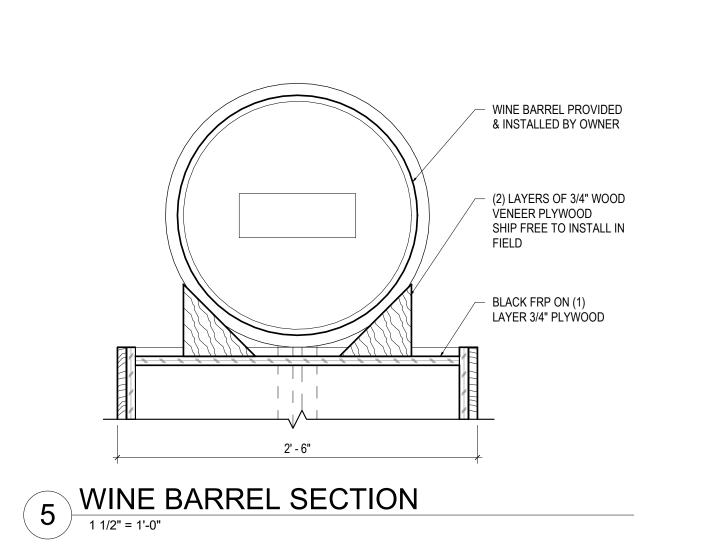


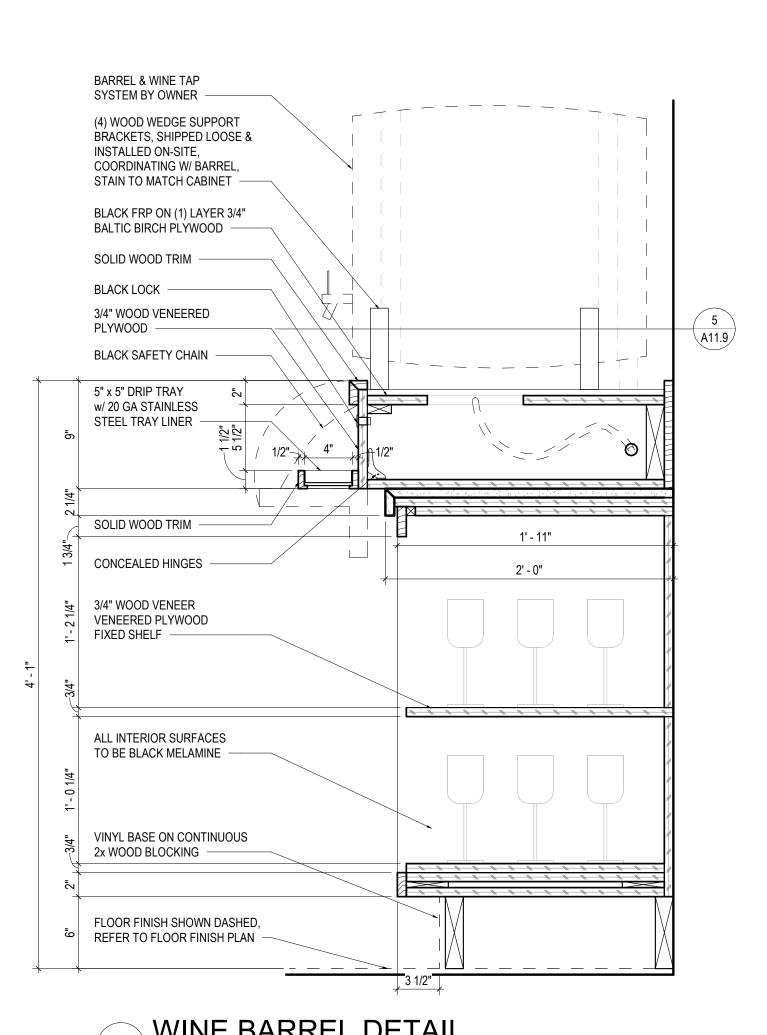
REFER TO INTERIOR ELEVATIONS FOR WALL FINISH



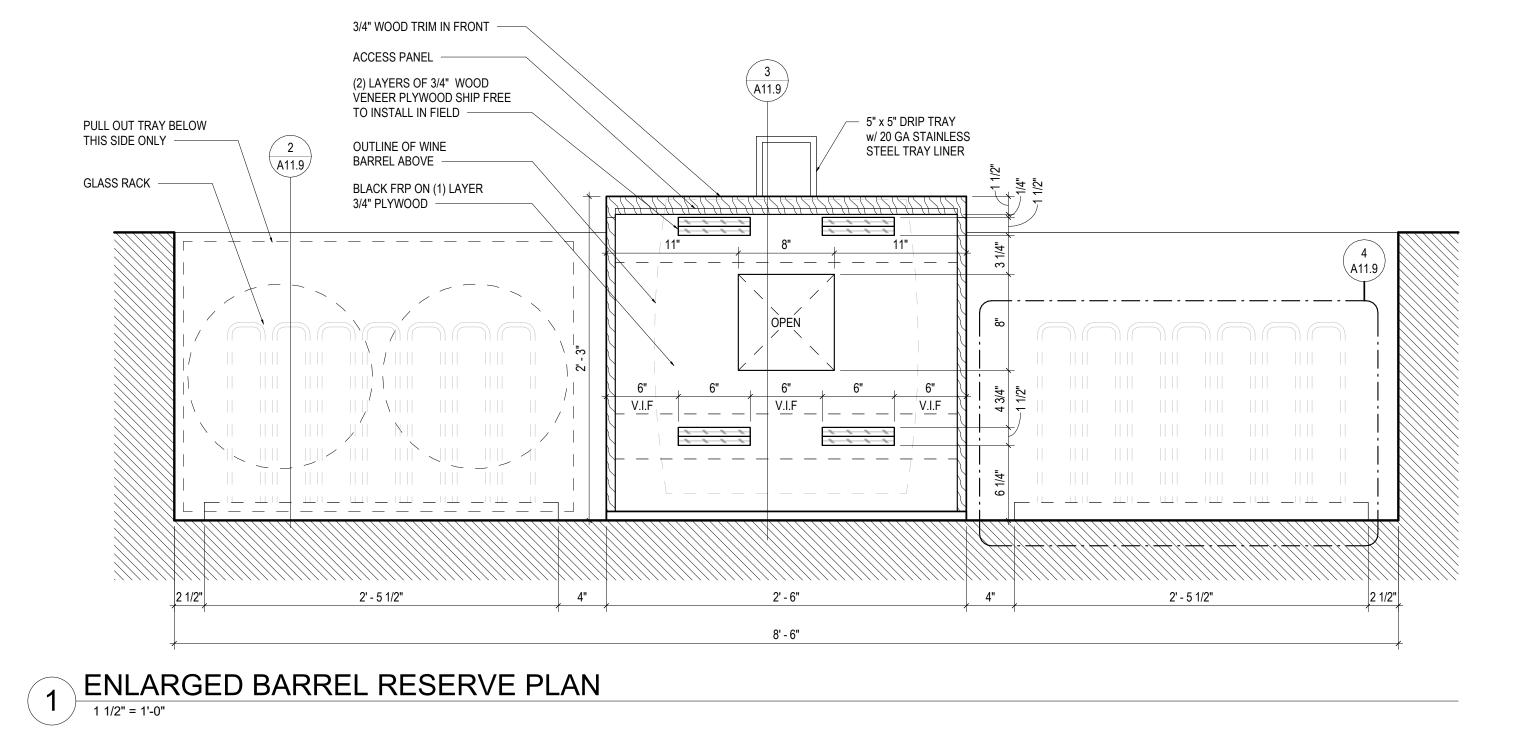












2 CABIN 1 1/2" = 1'-0"

IN WALL BLOCKING AS REQUIRED, TYP.

NOTE: ONLY ONE SIDE/DOOR RECEIVES TRAY FOR KEGS. SAME SIDE WITH

KEGS RECEIVES NITROGEN LINE STUBS.

3/8" STAINLESS STEEL ROD WELDED

BARREL BEYOND

COUNTER TOP w/ MITERED

EDGE ON (1) LAYER 3/4"

BALTIC BIRCH PLYWOOD.

1x SOLID WOOD TRIM

METAL CABINET PULL

CATALOG: HC4CC

CABINET LOCK -

MFR: FORMS + SURFACES
MODEL: MESA

SIZE: 3" c.c, 3.5" WIDTH MATERIAL: ANODIZED ALUMINUM

3/4" WOOD VENEER PLYWOOD DOOR, PROVIDE HEAVY DUTY CONCEALED

HINGES & MAGNETIC LATCH (WHERE

FINISH: MATTE BLACK

CONTACT: 1-800-451-0410

SHOWN ON ELEVATION)

S.S. CLAD SLIDING PULL-OUT SHELF w/ METAL 3/4" x 3/4" x 3/4" STEEL REINFORCING CHANNEL AT

BALTIC BIRCH PLYWOOD -

VINYL BASE ON CONTINUOUS

FLOOR FINISH SHOWN DASHED,

REFER TO FLOOR FINISH PLAN

1x SOLID WOOD TRIM

2x WOOD BLOCKING —

2 1/2" CONTINUOUS EDGE, ON 3/4"

WINE KEG BY OWNER -

THROUGH 1 1/2" STEEL BAR. ENDS OF RODS TO BE BENT UPWARDS TO

PREVENT STEMWARE FROM FALLING OFF

ONE TO BE S-2. UNLESS NOTED OTHERWISE

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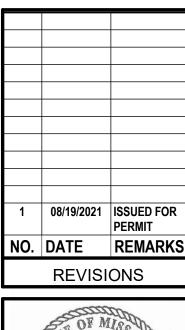
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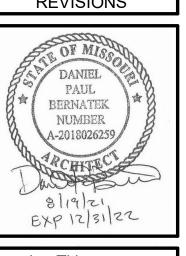
COOPER'S HAWK

WINERY & RESTAURANT

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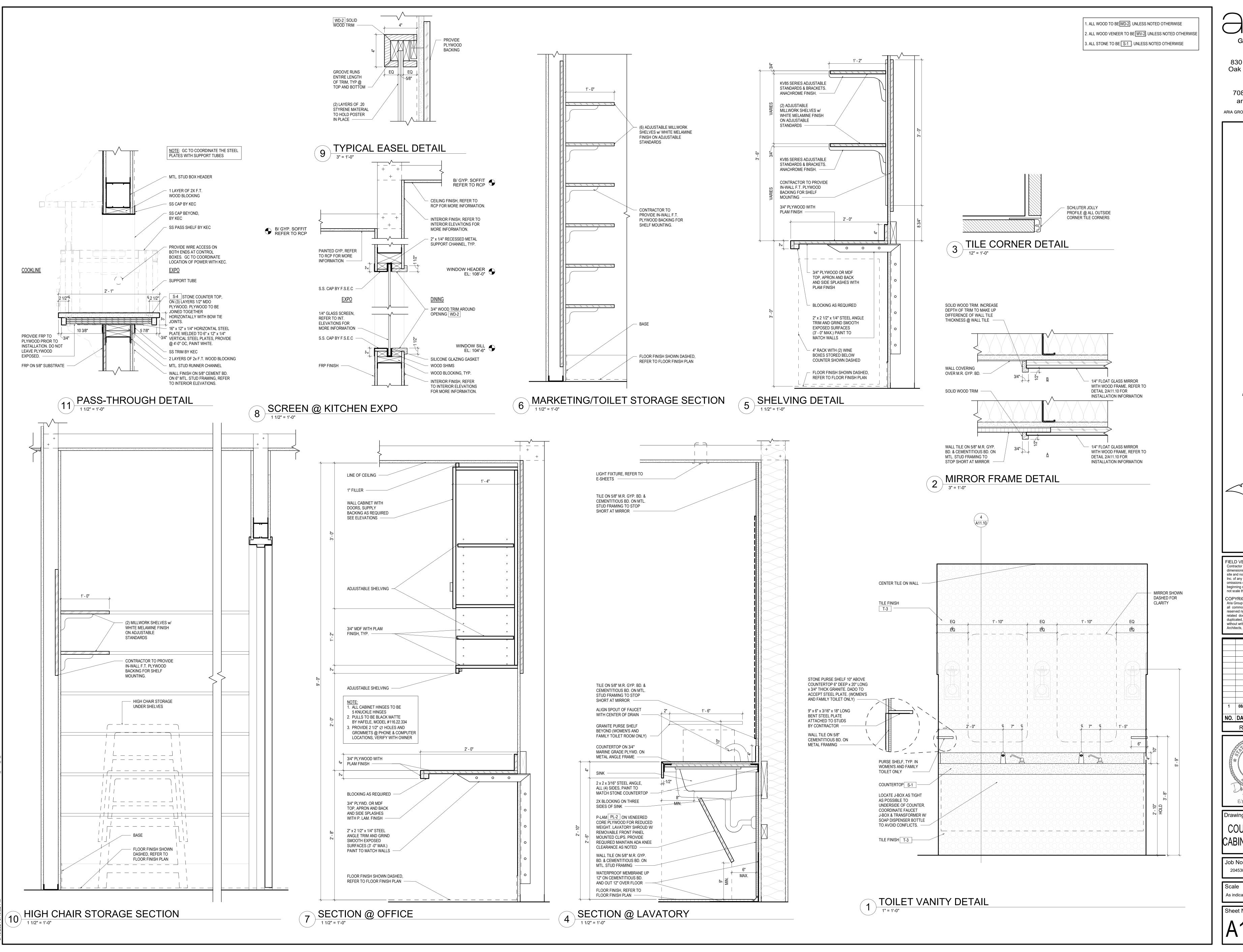
Drawing Title

MILLWORK &

COLUMN DETAILS

Job No.
204530 Drawn
Author

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COOPERS HIAWK RESTAURANT M

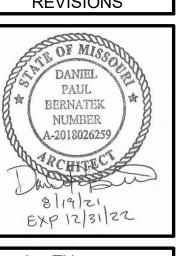
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COUNTER AND

CABINET DETAILS

Job No.

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Author

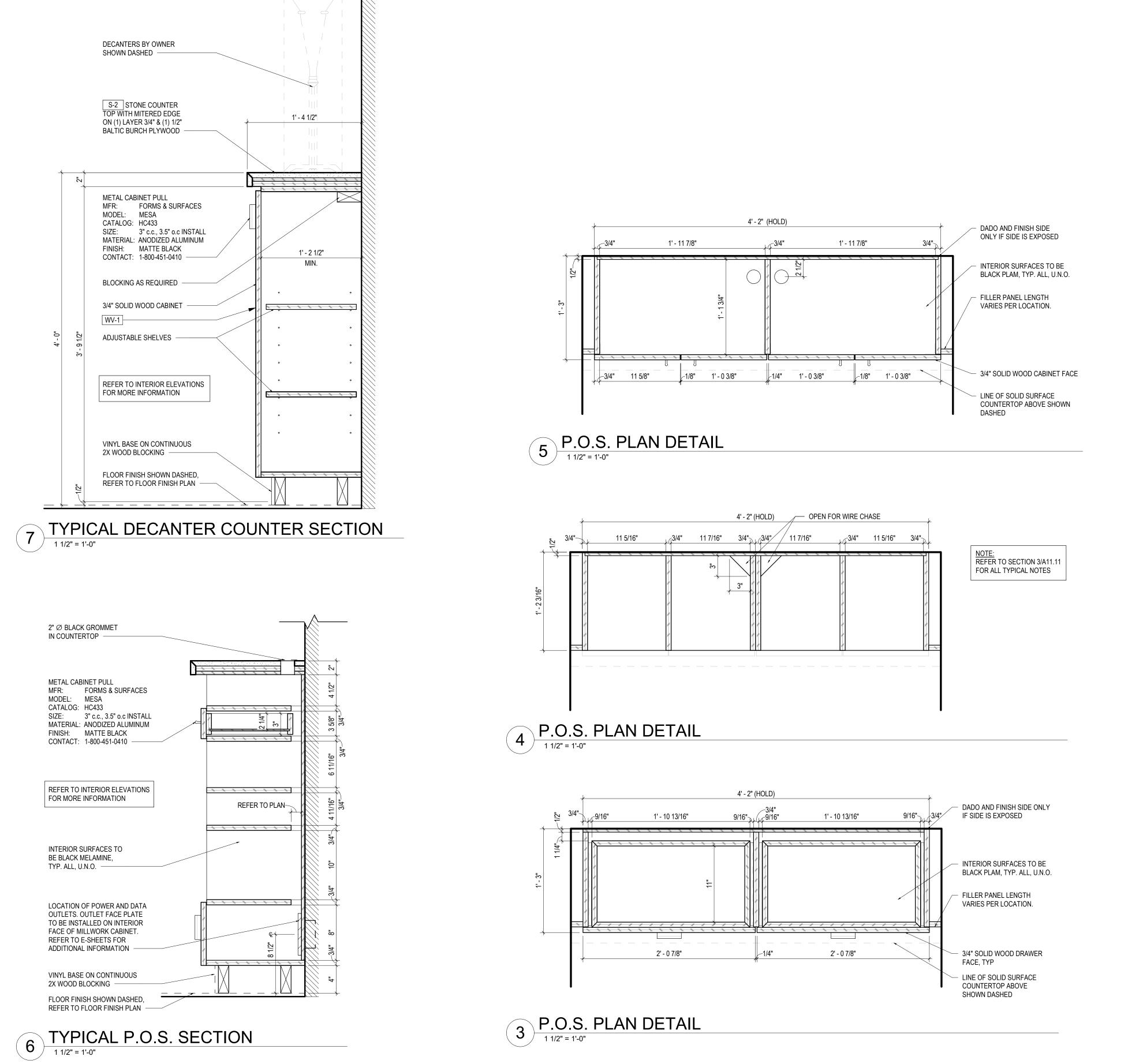
Scale
As indicated

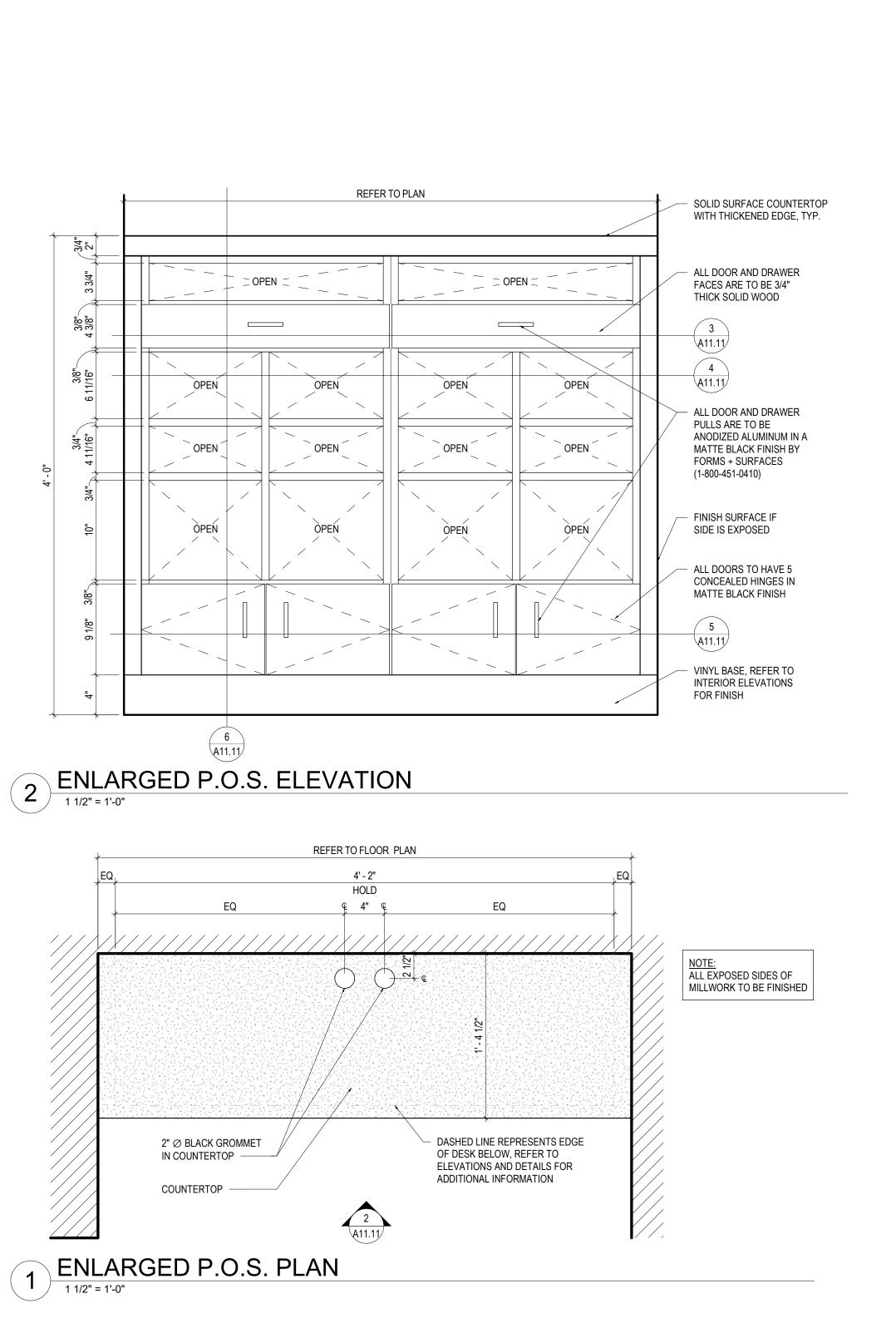
Author

Date
08/19/2021

Sheet No.
A11.10

1. ALL WOOD TO BEWD-2. UNLESS NOTED OTHERWISE
2. ALL WOOD VENEER TO BEWV-2 UNLESS NOTED OTHERWISE
3. ALL STONE TO BE S-3. UNLESS NOTED OTHERWISE





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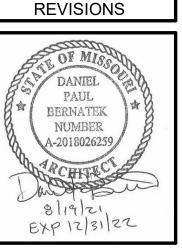
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1 08/19/2021 ISSUED FOR PERMIT

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REVISIONS



P.O.S. &
DECANTER
DETAILS

Job No.
204530 Drawn
Author

204530 Author

Scale Date
As indicated 08/19/2021

1. ALL WOOD TO BEWD-2. UNLESS NOTED OTHERWISE 2. ALL WOOD VENEER TO BE WV-2 UNLESS NOTED OTHERWISE 3. ALL STONE TO BE S-3. UNLESS NOTED OTHERWISE

GROUP

830 North Blvd. Oak Park, Illinois 60301

708-445-8400 ariainc.com ARIA GROUP ARCHITECTS, INC.

1' - 4 1/2"

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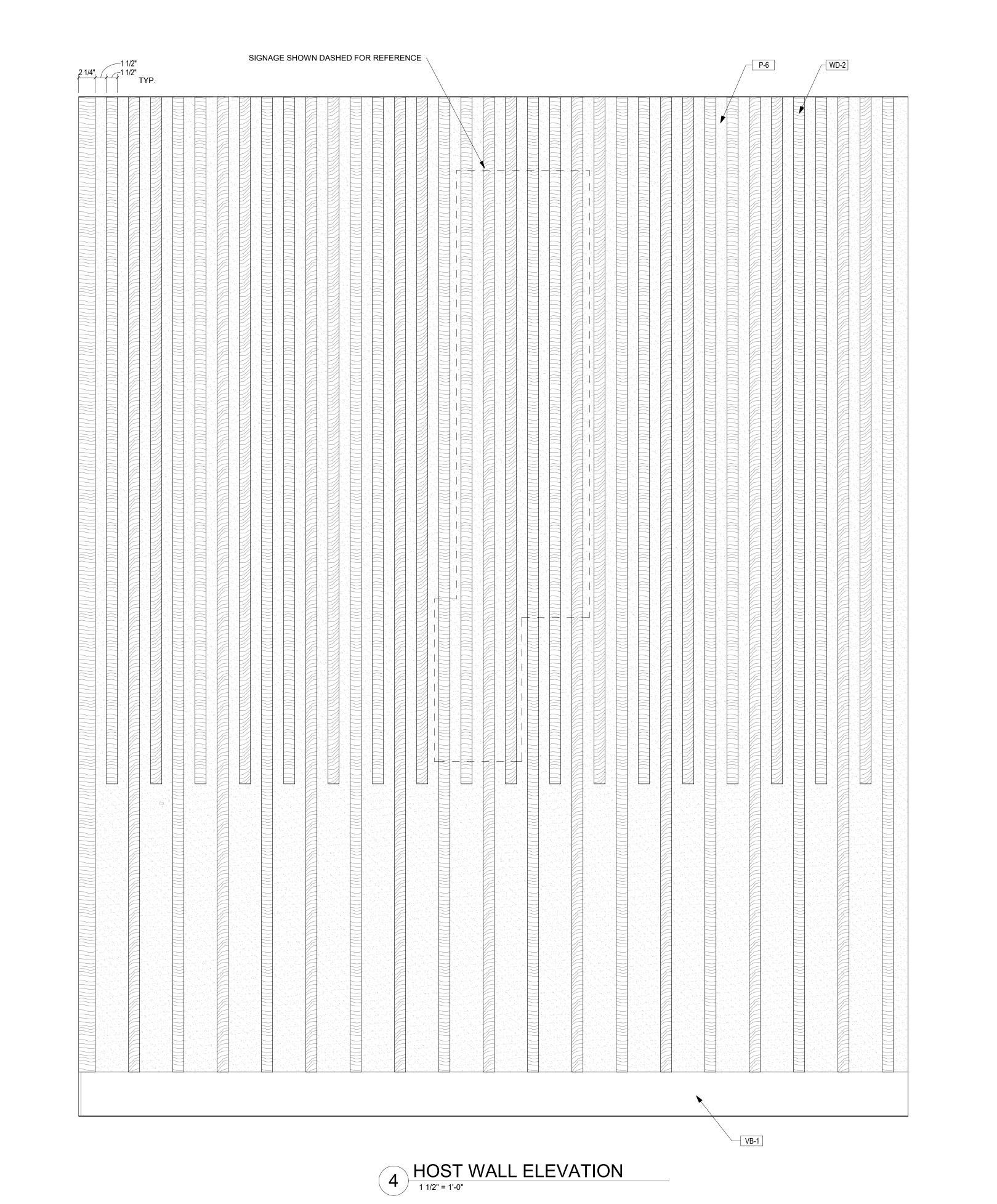
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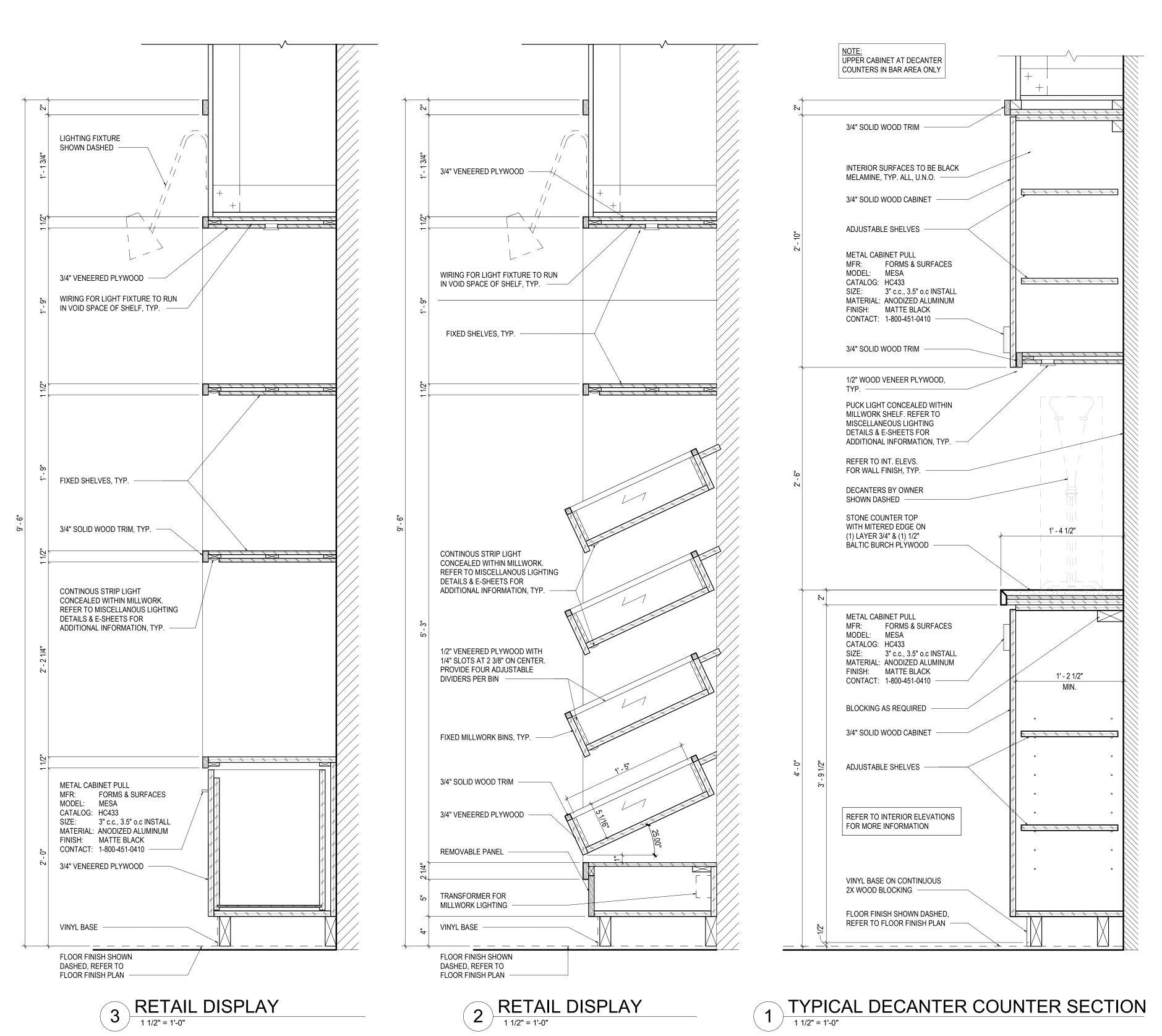
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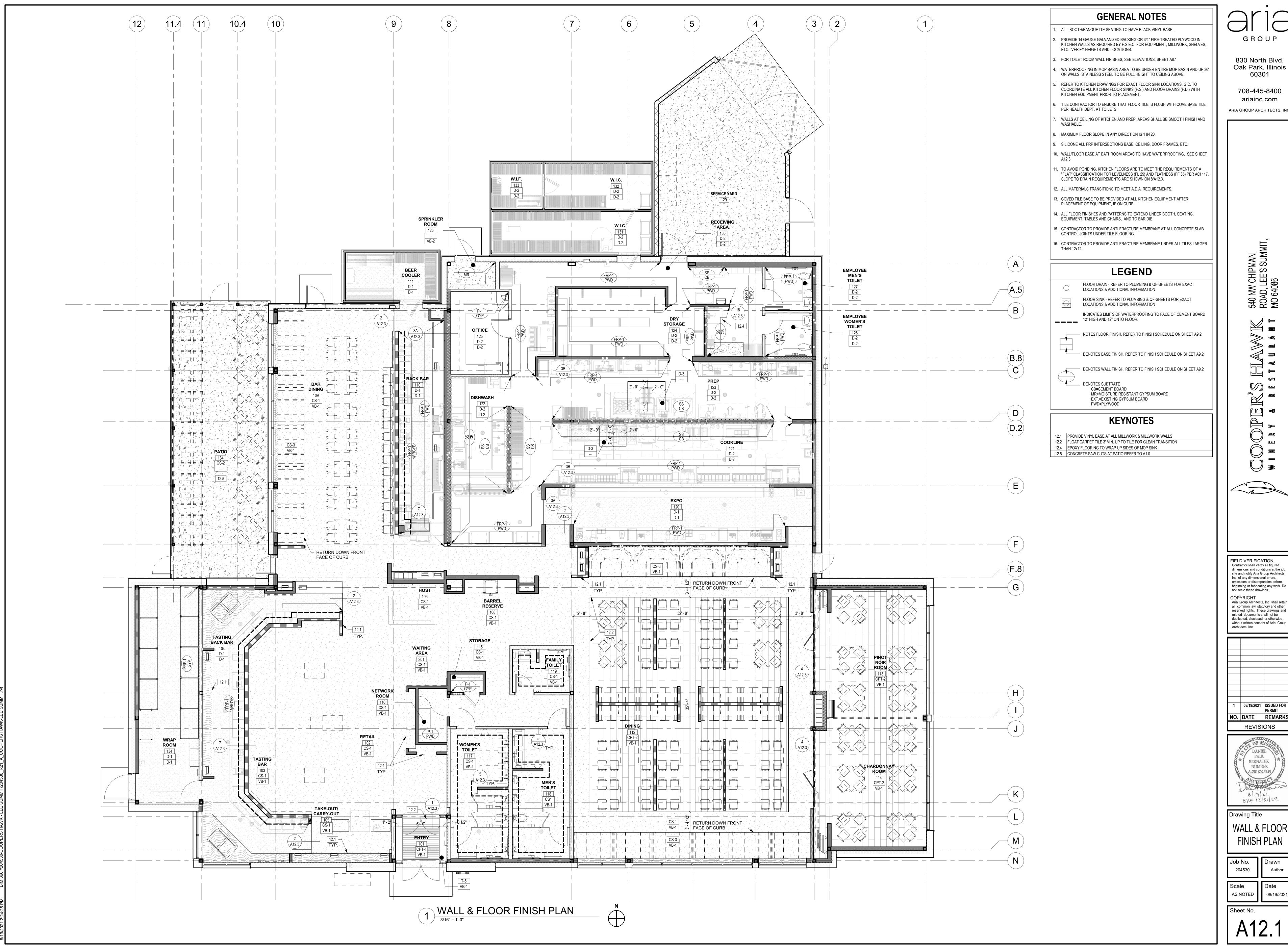
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Job No. 204530 Scale 08/19/2021

As indicated



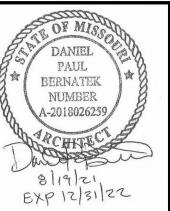




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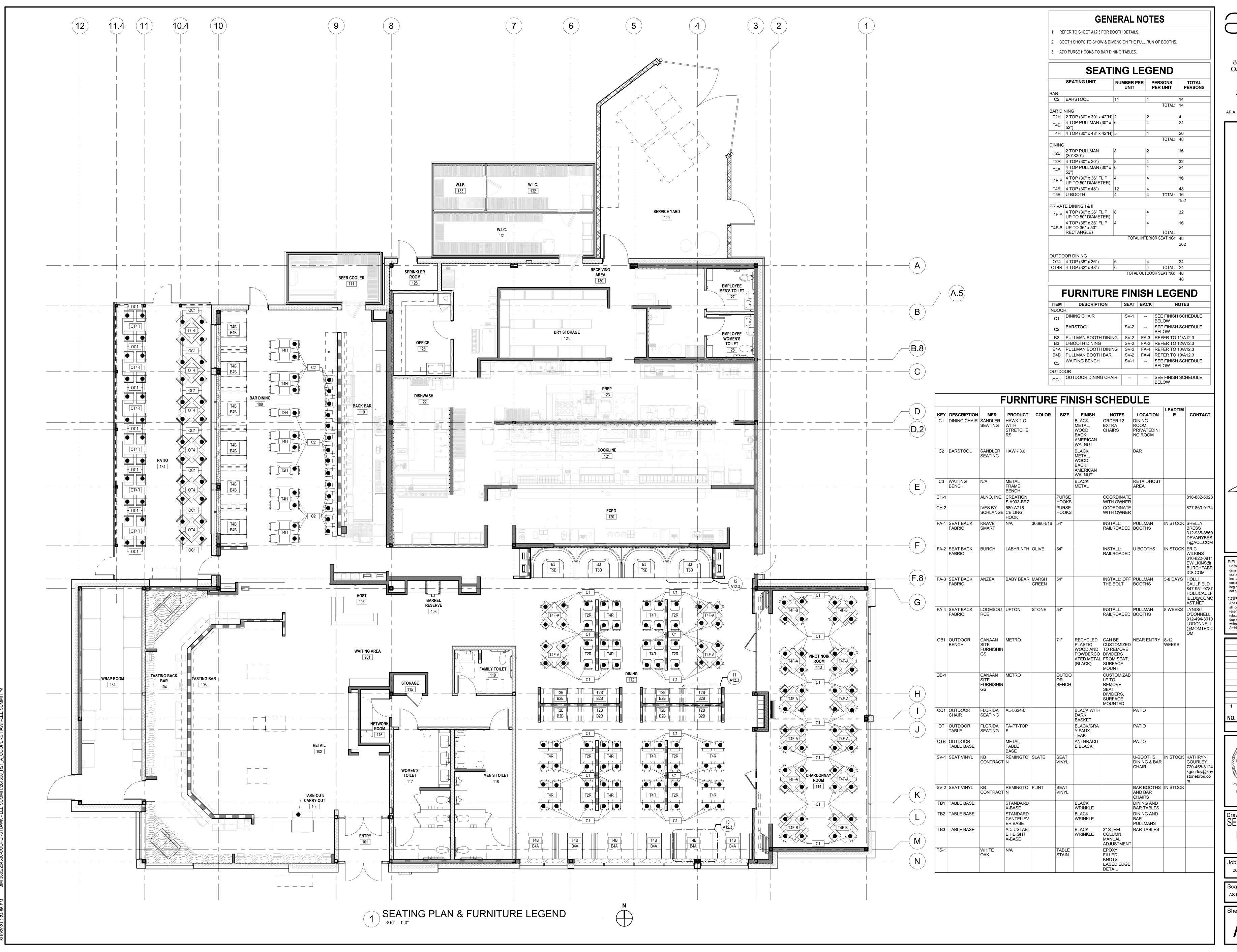
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WALL & FLOOR FINISH PLAN

204530 AS NOTED



G R O U P

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SSHANN S40 NW CHIPMAN ROAD, LEE'S SUMMIT, ROAD, LEE'S SUMMIT, MO 64086

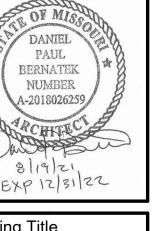
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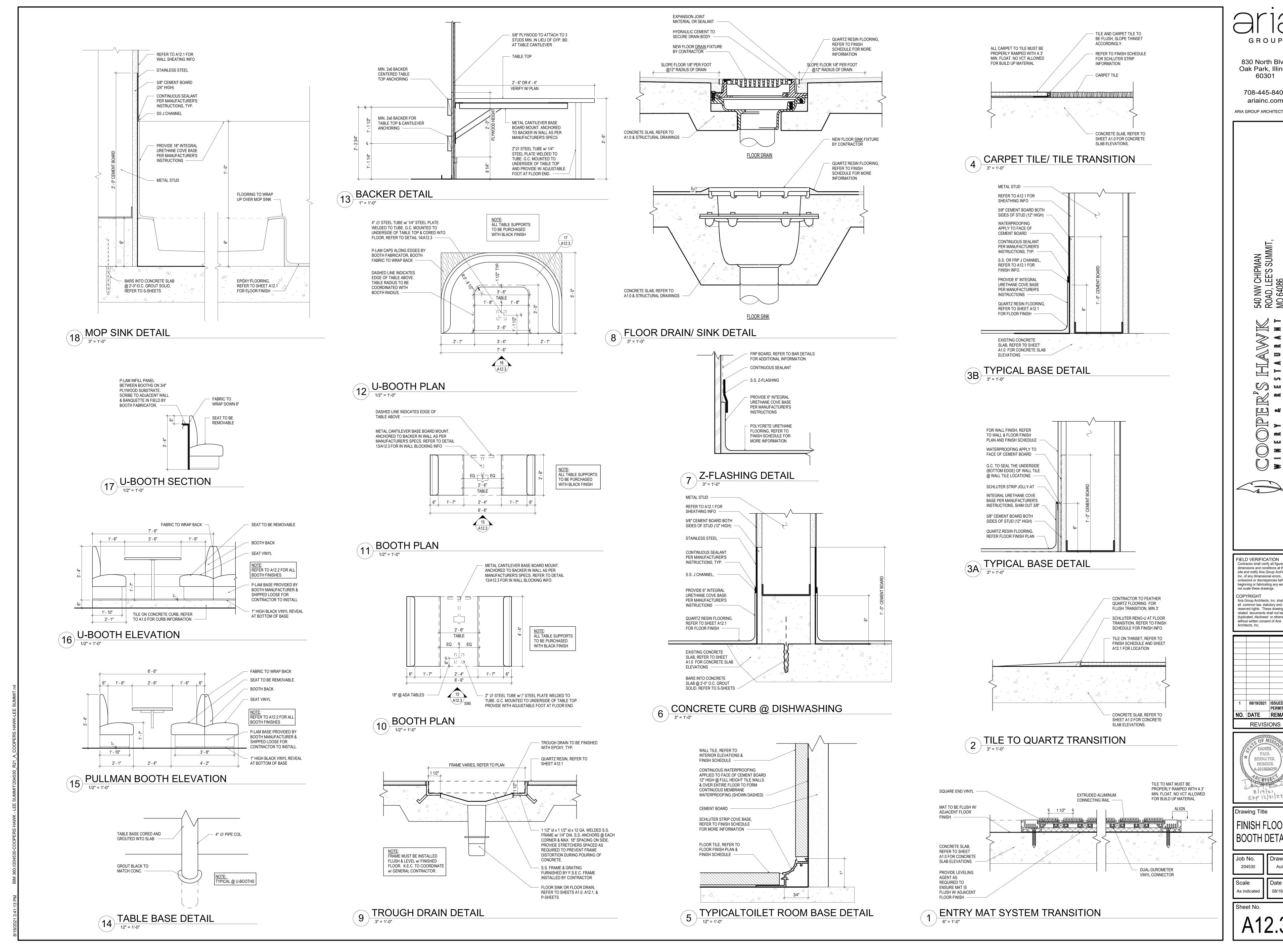


Drawing Title
SEATING PLAN &
FURNITURE
LEGEND

Job No. 204530 Drawn Author

204530 Author

Scale Date
AS NOTED 08/19/202



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DANIEL PAUL BERNATEK NUMBER A-2018026259

FINISH FLOOR & **BOOTH DETAILS**

08/19/2021

A. The AIA Document A201 2007 Edition General Conditions of the Contract for Construction are incorporated as part of the construction documents. These General Conditions are available from the

B. The contract documents shall consist of agreement between Owner and Contractor, conditions of contract, drawings, specifications, and addenda

C. The AIA "Instructions to Bidders" document A701 latest edition is to be used

D. The AIA "Performance and Payment Bond" document A312 - latest edition, in the amount of 100% of contract amount to be delivered simultaneously with executed contract

SECTION 00750 - INSURANCE REQUIREMENTS

1.1

GENERAL

A. Owner

B. Owner Representative: C. By Owner- Supplied by Owner, installed by General Contractor

D. N.I.C. - Not in Contract - work not in general contractor's scope of work but provided and installed by separate contractor or vender hired independently by Owner. Coordination by General Contractor as necessary.

E. Landlord - Base building Owner

F. Architect - Aria Group Architects Inc.

G. General Contractor / Contractor - The prime contractor that will execute the work described in these contract documents

H. Sub-Contractor - Any contractor, vendor, or entity who enters into a contract with the General Contractor / Contractor to execute a portion of the work described in these contract documents

CERTIFICATE OF INSURANCE

A. The contractor shall purchase liability insurance as required by article 11.1 of the AIA document A201 "General Conditions of the Contract for Construction". No work will be permitted on the project site until all required insurance certificates have been delivered to the Landlord/Owner. The contractor's liability insurance will be paid for and maintained by the contractor for the duration of the project and will contain all provisions described in this specification section.

B. Provide for additional insured for the following:

 Owner Aria Group Architects, Inc.

Landlord

4. Anyone employed directly or indirectly by any of the above.

Worker's compensation and statuary limits, as required by the state where work is being performed and Employer's Liability with limits no less than \$500,000 each accident or occupational

Comprehensive General Liability including Premises Operations, Products and Completed Operations Liability, Independent Contractors Liability, Contractors Liability and Broad Form Property Damage Liability with limits no less than: Bodily Injury and Property Damage Liability

> \$2,000,000 Each Occurrence \$2,000,000 General Aggregate \$2,000,000 Product & Completed Operations Aggregate

\$3,000,000 Umbrella Each Occurrence/Aggregate Option 2: \$1,000,000 Each Occurrence \$2,000,000 General Aggregate \$2,000,000 Product & Completed Operations Aggregate

\$3,000,000 Umbrella Each Occurrence/Aggregate

Such insurance shall provide coverage as described in article 11.1 of the AIA document A201

"General Conditions of the Contract for Construction" F. Comprehensive Automobile Liability Insurance including the ownership, maintenance and operation of any automobile equipment owned, hired and non-owned including the loading and

1. Bodily Injury Liability and Property Damage Liability \$2,000,000 each accident

2. Umbrella Liability Insurance covering all operations of Contractor and with no less than Bodily Injury and Property Damage Liability

3. (See option 1 and option 2 listed previously)

unloading thereof in the following minimum amounts:

G. Builder's Risk Insurance to be provided by and maintained by the owner

SECTION 01000 - GENERAL REQUIREMENTS

GENERAL

1.1 GENERAL REQUIREMENTS

A. Contractor shall coordinate use of premises w/owner, including but not limited to:

 Storage Staging

Parking Refuse

Other required uses

. The following specifications are general in nature and allow Contractor to select manufacturers for materials on the basis of cost and availability of such materials unless preselected manufacturers are indicated and items indicated as supplied by Owner

It is understood that the Owner may be purchasing and/or installing materials, equipment and furnishings under separate contract. This Contract shall cooperate with the Owner to allow the delivery and installation of such materials, equipment and furnishings by other Contractors and suppliers which commence prior to final acceptance of the remodeled space by Owner so as to assure the Owner of the earliest possible completion date.

D. The Contract Documents are intended to include either directly or by implication all items required for the proper execution and completion of the work. The General Contractor shall provide all labor, material and equipment to complete the work as shown and specified in the contract documents.

The Contractor is solely responsible for the complete coordination of the work and required trades so that no part of the work shall be left in an unfinished state as a result of lack of coordination, disagreements between the parties performing the work, or any other reason

The Contractor shall be solely responsible for obtaining access to the site to determine and verify the existing conditions, materials, systems, sizes, dimensions, quantities, layouts, locations, and potential limitations for the performance of the work completed herein

G. These drawings are not to be scaled. If the required dimensions or information cannot be found herein, the Architect shall be requested to interpret the documents, and his interpretations shall be

final and binding.

H. The General Contractor shall be solely responsible for all trash removal from the demised

premises at the end of working day. Coordinate with Owner and Landlord.

him or his Sub-Contractors to existing work in place The General Contractor is responsible for providing temporary bracing, as necessary to ensure the vertical and lateral stability of the entire structure or a portion thereof during construction as

The General Contractor shall be responsible for repair or replacement for any damage caused by

necessary including but not limited to design, inspection, and certification

1.2 NOTES REGARDING INSPECTION OF EXISTING SPACES/BUILDING A. While the size and location of new work and equipment in the existing building has been

indicated on the drawings as accurately as possible, the Contractor shall adjust his work as required to avoid existing ducts, pipes, conduits, structural members and the like not shown on the plans. Contractor shall adapt his work to meet all actual conditions on the site and in the existing building without additional cost to the Tenant.

Contractor shall inspect the premises and make a detailed examination of all locations where new work is to be installed. Contractor shall verify location of all utilities and shall notify Architect of any discrepancies prior to commencing work. The Contractor shall be responsible for any damages to underground utilities encountered in areas where excavations are indicated and shall repair any such damage at his own expense. Where utility lines must be maintained under building, they shall be properly sleeved through foundation walls.

After inspecting the premises and examining the drawings, the Contractor shall notify the Engineer and Architect of any defects, discrepancies, problems, uncertainties or clearances required for the installation of new work. Contractor shall await resolution prior to proceeding with the work and will be responsible for all changes necessary without additional cost to the Owner if he neglects to notify the Architect.

D. No extras will be allowed for claims due to unforeseen or unanticipated conditions which could have been discovered by each Contractor during inspection of the site, during bidding period and prior to the commencement of the work

1.3 REGULATORY REQUIREMENTS

A. All work is to be performed and installed in compliance with governing local building codes and regulations. The Contractor shall be responsible for obtaining any required building permits for the performance of this work. Permit fees shall be reimbursed by Owner.

The General Contractor is to build and maintain construction barricades (all necessary lights, sign, etc.) for the protection of the public, as per local ordinances and Landlord requirements and obtain all required permits

1.4 BASE BUILDING COORDINATION A. All new Construction is to be properly integrated with the existing perimeter walls, structural framing, roofing, plumbing, electrical, and other building components as applicable

Owner's General Contractor shall consult and coordinate with the Landlord's Construction Coordinator in all matters of workmen parking, delivery and storage of materials, safety protection,

trash removal, use of temporary facilities and other such operations in advance

The General Contractor shall provide blocks, openings, cores, etc. not specifically shown on the drawings as necessary for mechanical and electrical equipment, vents, ducts, and typical details. All cores and penetrations are to be approved by Landlord's structural engineer.

Any alterations, additions, reinforcements, or modifications to Landlord's structure, piping, conduit, or ductwork to accommodate Owner's work, including slab infill, shall not be performed without in each instance Owner obtaining Landlord's prior written approval. Owner shall leave Landlord's structure as strong as or stronger than the original design and with finishes unimpaired. Landlord may require that approved structural or mechanical/electrical modifications be performed by Landlord's contractor under contract to Owner at Owner's expense and Landlord may further required that engineering analysis, review, or design be performed by Landlord's engineer at Owner's expense. If changes are made without written approval, such changes shall be the legal and financial responsibility of the Contractor to replace or repair as directed by the Landlord's structural engineer.

Extra care must be taken to control dust, noise and safety of workmen, patrons, tenants, etc. General Contractor shall properly protect work for public safety and against accident, weather or any other hazard with lights, guard rails, etc. as necessary (temporary barricade if needed). Any damage between construction line & temporary barricade shall be repaired or replaced at G.C.'s expense.

1.5 SELECTIVE DEMOLITION

Work included: Contractor to provide all work, labor, materials, and equipment to complete all the demolition as specified herein or shown on these drawings and notes

B. Summary: Demolish and remove selected portions of building, demolish and remove selected site elements, demolish and remove below grade abandoned building foundation as required for new construction, disconnect, cap, or seal utilities prior to demolition

C. Patch and repair damaged surfaces caused by selective demolition operations. Demolished materials become Contractor's property, unless noted otherwise. Dispose of demolished materials off site at a government approved dumping site.

SECTION 01330 - SUBMITTAL PROCEDURES GENERAL

1.1 SUMMARY

This section outlines requirements for submittals during the construction process. Refer to individual specification section for specific submittals required for each section.

1.2 PROCEDURES A. Submittals:

1. Identify project, contractor, subcontractor, major supplier

2. Identify deviations from Contract Documents 3. Provide space for Contractor and Architect review stamps

4. Contractor: Thoroughly review and stamp submittals from subcontractors prior to submitting to

a. Thoroughly review submittals and indicate where conflicts occur with Contract

Documents and with work of other subcontractors

b. Return submittals which may vary significantly from Contract Documents

Cursory review and stamping of subcontractor submittal by Contractor shall not be

d. When emailing the submittal, the contractor shall copy more than one Aria team member on the email

e. The Architect takes no responsibility for emailed submittals that have technological incompatibilities

After Architect review of submittal, revise and resubmit as required and identify changes made

since previous submittal

CONSTRUCTION PROGRESS SCHEDULES

Submit one (1) electronic copy of the construction progress schedule with separate item for each major trade and operation, identifying first day of each week within fourteen (14) days after the award of contract, and at least ten (10) business days prior to submitting applications of payment

SHOP DRAWINGS

Submit electronic shop drawing copy in 24-bit color pdf format (or 300 dpi minimum if scanned), clear and to scale with transmittal to the Architect. Transmittal must contain due date. Each submittal must be attached as a separate file and named accordingly. Do not set permission restrictions on attachments. Whenever possible, create digital files from originals for clarity. Unreadable or illegible submittals will be rejected.

After General Contractor review, distribute.

Shop Drawing to be presented in a clear and thorough manner. Title each drawing with Project name and number; identify each element of drawings by reference to sheet number and detail, schedule or room number of contract documents. Identify field dimensions, show relation to adjacent or critical features or work or products.

SAMPLES

Submit full range of manufacturer's standard colors, textures, and patterns except when more restrictive requirements are specified for Architect's selection

Submit a minimum of three (3) samples unless otherwise specified; Architect will retain one sample; maintain one set of approved samples at Project Field Office

PRODUCT DATA Submit only pages which are pertinent in electronic format. Mark each page to identify pertinent products referenced to project manual section and article number. Show reference standards,

MATERIAL SAFETY DATA SHEET (MSDS)

finishes dimensions and required clearances.

Submit a MSDS that states all physical properties of the specific product or assembly that is submitted. If the V.O.C. value is not explicitly shown on the MSDS submit additional information as required to vary the V.O.C. quantities of the product or assembly.

performance characteristics and capacities, wiring and piping diagrams and controls component parts

MOCK-UPS

A. Erect field samples and mock-ups on site in accordance with requirements where included in Specification section or where referenced in finish schedule. SCHEDULE OF VALUES

The general contractor shall submit one (1) electronic copy of the schedule of values within 14 days after the award of contract, and at least 10 business days prior to submitting applications for Show a line item for each section used in this specification that is subdivided into material, labor,

and overhead and profit. Contractor to provide percentage of total completion and percentage of completion achieved for each progress payment. Provide unit costs for material and labor.

For each line item show all Sub contractors, material suppliers and the amounts to become due Itemized separate line item costs for each of the following general costs:

1. Performance and Payment Bonds Field supervision

3. Temporary utilities and controls 4. Temporary construction

Daily cleaning

General contractor overhead and profit

7. List allowances separately 1.10 APPLICATION FOR PAYMENT

A. Submit application at least ten (10) days before the date established for each progress payment per Article 9 of the AIA document A201"General Conditions of the Contract for Construction"

B. Submit an adjusted schedule of values for each line item where payment is requested showing

1. Monetary amounts requested for the progress payment

2. Percentage of completion achieved for the progress payment

3. Total percentage of completion at the date of progress payment request C. Monetary amount of payment requested to match percentage of completion achieved for progress payment on the date of submission of application for payment

D. Submit all other data as required by other sections of this specification

SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS

 GENERAL 1.1 ELECTRICITY AND LIGHTING

A. Provide electrical service required for construction operations, with branch wiring and distribution boxes located to allow service and lighting by means of construction-type power cords

B. Provide lighting for construction operations

Permanent lighting may be used during construction; maintain lighting and relamp prior to

HEAT AND VENTILATION A. Provide temporary heat and ventilation as required to maintain specified conditions for construction operation, to protect materials and finishes from damage due to temperature and

B. Do not use the permanent HVAC system for temporary heat & ventilation unless written approval from the owner is granted

C. Seal all registers, grills, diffusers and transfer ducts completely until final building flush out has started and all other construction has ceased

D. Replace all unit filters with new before turnover WATER AND SANITARY FACILITIES

A. Provide water service required for construction operations; extend branch piping with outlets located so water is available by use of hoses

B. Provide and maintain sanitary facilities and enclosures as required by applicable authorities

1.4 A. Provide barriers as required to prevent public entry to construction areas and to protect adjacent properties from damage from construction operations

1. Fence: Provide minimum of 6'-0" high commercial grade chain link or painted solid wood fence around construction site; equip with gates with locks

2. Interior demising barriers: Construct interior demising barriers in compliance with Landlord's B. Where potentially in danger of damage by construction operations, provide barriers around trees

and plants designated to remain CLEANING DURING CONSTRUCTION A. Control accumulation of waste materials and rubbish; dispose of off-site at intervals approved by

Architect, landlords' rep and other applicable authorities B. Clean interior areas prior to start of finish work, maintain areas free of dust and other contaminants during finishing operations

SECTION 01632 - SUBSTITUTIONS

GENERAL

SUBSTITUTIONS 1.1

A. Requests will be considered only when a product becomes unavailable due to no fault of Contractor. More than one request for substitution will be considered if necessary.

B. Provide identification with manufacturer's literature and samples where applicable

Itemize comparison of proposed substitution with product specified and list significant variations

D. Note effect of substitution on other work, products, or separate contracts Substitutions will not be considered for acceptance when:

1. They are indicated or implied on submittals without a formal request from Contractor

2. They are requested directly by a subcontractor or supplier 3. Acceptance will require substantial revision of Contract Documents

F. Substitute products shall not be ordered without written acceptance of Architect Architect will determine acceptability of proposed substitutions and reserves the right to reject

proposals due to insufficient information 1.2 CONTRACTOR'S REPRESENTATION

A. Requests constitute a representation that Contractor: 1. Has investigated proposed product and determined it meets or exceeds, in all respects, specified

2. Will provide same warranty for substitution as for specified product 3. Will coordinate installation and make other changes which may be required for work to be

complete in all respects 4. Waives claims for additional costs which subsequently become apparent 5. Will pay costs of changes to drawings, details and specifications required by accepted

SECTION 01741 - WARRANTIES

GENERAL

not fabricated, installed or completed

1.1 CONSTRUCTION WARRANTY General Contractor to warranty all work and materials from defects for one year from date of

Substantial Completion. Construction Warranty to have to following provisions during the duration of the warranty: 1. Contractor shall promptly correct work rejected by Architect as defective or as failing to conform to Contract Documents whether observed before or after Substantial Completion and whether or

2. Contractor shall bear costs of correcting such rejected work, including compensation for Architect's additional services made necessary because of corrections

3. Period of correction shall be one year after Date of Substantial Completion of Work or designated portion of Work, or within such longer period as prescribed by law and by terms of special warranties required in Contract Documents

MANUFACTURE WARRANTY

A. Standard product warranties are preprinted written warranties published by the individual manufacturers for particular products and are specifically endorsed by the manufacturer to the Owner Special warranties are written warranties required by or incorporated in the Contract Documents,

either to extend time limits provided by standard warranties or to provide greater rights for the Owner

Disclaimers and Limitations: Manufacturer's disclaimers and limitations on product warranties do not relieve the Contractor of the Warranty on the Work that incorporates the products. Manufacturer's disclaimers and limitations on product warranties do not relieve suppliers, manufacturers, and subcontractors required to countersign special warranties with the Contractor.

D. Related Damages and Losses: When correcting failed or damaged warranted construction, remove and replace construction that has been damaged as a result of such failure or remove and replace to provide access for correction of warranted construction

Reinstatement of Warranty: When work covered by a warranty has failed and been corrected by

replacement or rebuilding, reinstate the warranty by written endorsement. The reinstated warranty

shall be equal to the original warranty with an equitable adjustment for depreciation.

Replacement Cost: Upon determination that Work covered by a warranty has failed, replace or rebuild the Work to an acceptable condition complying with requirements of the Contract Documents. The contractor is responsible for the cost of replacing or rebuilding defective Work regardless of whether the Owner has benefited from use of the Work through a portion of its anticipated useful

G. Owner's Recourse: Expressed warranties made to the Owner are in addition to implied warranties and shall not limit the duties, obligations, rights, and remedies otherwise available under the law. Expressed warranty periods shall not be interpreted as limitations on the time in which the Owner can enforce such other duties, obligation, rights, or remedies.

. Rejection of Warranties: The Owner reserves the right to reject warranties and to limit selection to products with warranties not in conflict with requirements of the Contract Documents

H. When the Contract Documents require the Contractor, or the Contractor and a subcontractor supplier or manufacturer to execute a special warranty, prepare a written document that contains appropriate terms and identification, ready for execution by the required parties. Submit a draft to the Owner, through the Architect, for approval prior to final execution.

SECTION 01770 - CLOSEOUT PROCEDURES

 GENERAL SUBSTANTIAL COMPLETION

When work is substantially complete and ready for a walk through, submit written certification

1. In the Statement for Payment that coincides with, or first follows, the date Substantial Completion is claimed, show 100 percent completion for the Work claimed as substantially complete. Advise the Owner of pending insurance changeover requirements.

2. Submit specific warranties, workmanship bonds, maintenance agreements, final certifications, and similar documents 3. Submit record drawings, maintenance manuals, property surveys, and similar final record

4. Deliver tools, spare parts, extra stock, and similar items 5. Changeover locks and transmit keys to the Owner

filters. Touch up and repair and restore marred, exposed finishes.

Remove temporary facilities, mockups, construction tools, and similar elements. 7. Complete final cleanup requirements, including touch-up painting and change-out of equipment

6. Complete startup testing of systems and instruction of operation and maintenance personnel.

completed, submit written certification indicating: 1. Work has been inspected for compliance with Contract Documents

2. Work has been completed in accordance with Contract Documents and have deficiencies listed

When comments and work from the review at substantial completion are resolved and

with Certificate of Substantial Completion have been corrected 3. Equipment and systems have been tested in presence of Owner's representative and are

4. Work is complete and ready for final inspection FINAL CLEANING

A. Execute final cleaning prior to final inspection Clean interior and exterior surfaces exposed to view; remove temporary labels, stains and foreign substances; polish transparent and glossy surfaces; vacuum soft surfaces

2. Clean equipment and fixtures to a sanitary condition, clean filters of mechanical equipment, replace filters where cleaning is impractical

3. Clean site; sweep paved areas 4. Remove waste, surplus materials and rubbish from Project and site

PROJECT RECORD DOCUMENTS Indicate actual work on as-built Drawings; indicate actual products used in Project Manual, including manufacturer, model number and options At Contract close-out submit documents with transmittal letter containing date, Project title,

Contractor's name and address, list of documents, and signature of Contractor Affidavits A.I.A. G706, G706A, G707 OPERATION AND MAINTENANCE DATA

Provide data for:

1. Electrically operated items Mechanical equipment and controls 3. Electrical equipment and controls

4. Submit two sets prior to final inspection, bound in 8½" by 11" three-ring binders and systems, using operation and maintenance data as basis of instruction SYSTEMS DEMONSTRATION Instruct owner's personnel in operation, adjustment, and maintenance of equipment and systems,

required by each individual section per "Section 01741 - Warranties"

using operation and maintenance data as basis of instruction WARRANTIES Submit written warranties to the Architect prior to the date stated for Substantial Completion as

Bind warranties in heavy-duty, commercial-quality, durable 3-ring, vinyl-covered loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2 - by - 11 inch 1. When warranted construction requires operation and maintenance manuals provide additional

copies of each required warranty, as necessary, for inclusion in each required manual

SECTION 03301 - CAST IN PLACE CONCRETI

GENERAL

SUMMARY Provide all labor, material, work and equipment necessary to complete all Cast-In-Place

Concrete as shown on the drawings or specified herein, including but not limited to: 1. Cast-in-place concrete-not shown on the structural drawings 2. Vapor retarder (same as vapor barrier)

3. Steel reinforcement bars, & accessory ties, anchors, supports, etc.

4. Steel reinforcement wire fabric, & accessories Floor sealer/hardener

Mix design description

Flatwork control joints SUBMITTALS A. Submit product data for each product used:

Mix design testing reports for each mix used 3. Cold weather placement procedures 4. Warm Weather placement procedures

Submit shop drawing showing the following Steel reinforcing detailing and fabrication Location of control and expansion joints

DESIGN REQUIREMENTS

Concrete materials and workmanship shall be in accordance with the latest edition of the American Concrete Institute's publications unless more stringent requirements are specified on the contract drawings or these specifications:

4. ACI 302 - Recommended practice for Concrete Floor and Slab Construction

5. ACI 304 - ACI manual for Concrete Inspection 6. ACI 311 - Recommended Practice for Measuring, Mixing, Transporting and Placing Concrete

7. ACI 315 - Details and Detailing of Concrete Reinforcement

9. ACI 347 - Recommended Practice for Concrete Form Work

8. ACI 318 - Building Code Requirements for Reinforced Concrete

1. ACI 117 - Tolerances for Concrete Construction

3. ACI 301 - Specifications or Structural Concrete

2. ACI 201.2 - Guide to Durable Concrete

PRODUCTS

A. Portland Cement: Conforming to ASTM C150 in types as recommended by the ACI for the specific project conditions to which the concrete will encounter during curing and after installation

B. Fly Ash: If fly ash is used it must conform to ASTM C618, Class C or F

1. Fine and coarse aggregates for normal weight structural and non-structural concrete: ASTM C33

2. Aggregates for lightweight structural and non-structural concrete: ASTM C330

3. Alkali Silicate Reactivity: Expansion of fine aggregate tested per ASTM C1260 shall not exceed 4. If fly ash or other pozzolans are used to reduce shrinkage to meet this requirement, expansion of Fine aggregate tested per ASTM C1260 without fly ash or other pozzolans shall not exceed

5. Coarse aggregates shall not contain quartzite or gneiss D. Water: Potable, clean, and free from deleterious amounts of acids, alkalies or organic materials

E. Admixtures:

2. Water Reducing Admixtures: ASTM C494, Type A and free from chlorides and added lignin 3. High-Range Water-Reducing Admixture (Superplasticizer): ASTM C494, Type F or G, free from

4. Prohibited Admixtures: Calcium chloride, thiocyanates or admixtures containing more than .05% chloride ions

A. Under slab vapor barrier: Provide under slab vapor retarder as show on construction drawings per "Section 07191 - Under Slab Vapor Retarders"

F. Splash Blocks: Poured-in-place, factory precast, or job site cast

B. Expansion joint and isolation joint filler: Preformed, resilient, non-extruding asphalt impregnated cane fiber, ASTM D1751 C. Reinforcing Steel: ASTM A615 or ASTM A996

1. Air Entraining Admixture: ASTM C260

chlorides and added lignin

D. Welded Wire Fabric: ASTM A185 E. Sheet Materials for Curing Concrete: ASTM C171

 A. Submit concrete mix design for each type of concrete at least 14 days prior to the proposed start of placement. Mix designs must be reviewed prior to pouring concrete. Review is for conformance with specification requirements only. Contractor is responsible for performance.

B. Concrete shall conform to the requirements of ASTM C94 (Option A) unless other requirements of this project specification are more stringent. Establish mix proportions according to the procedure

C. Concrete Materials and Mixing for fiber-reinforced concrete: ASTM C1116 alternative number 2,

D. Provide concrete with workability such that it will fill the forms, without voids or honeycombs,

when properly vibrated, without permitting materials to separate or excess water to collect on the E. Provide mixes meeting the following minimum requirements:

performance level 1, and toughness index I5

Exterior Concrete:

Minimum 28 day compressive strength: 3,000 psi Maximum water to cement ratio: 0.45

Minimum Cement Content: 564 lb./cu. yd. Air-entrainment by volume: 6%-8% depending upon size of aggregate used

Exterior Concrete Flat Work: Minimum 28 day compressive strength: 3,000 psi Maximum water to cement ratio: 0.45

Air-entrainment by volume: 6%-8% depending upon size of aggregate used 3. Interior Concrete Slab on Grade:

Minimum 28 day compressive strength: 3,000 psi Maximum water to cement ratio: 0.45

doors, loading docks, etc.; exterior walls, piers, columns, etc.

Air-dry density to be 70 pcf, Determine weights per ASTM C567

EXECUTION

Minimum Cement Content: 564lb./cu. yd.

Minimum Cement Content: 564 lb./cu. yd.

d. Air-entrainment by volume: 2%-3% depending upon size of aggregate used Substitution of fly ash for Portland Cement shall not exceed 30% by weight of cement for footings and 25% by weight of cement for other concrete

G. Exterior concrete includes: exterior sidewalks, aprons and slabs; semi-exterior slabs at overhead

H. Structural lightweight concrete shall have an air-dry unit weight, per ASTM C567, of 115 pcf ±3 I. Lightweight non-structural concrete topping shall have a freshly mixed weight of 80 pcf ±3 pcf,

3.1 INSTALLATION A. Formwork: Design, construct, erect, shore, brace, and maintain formwork according to ACI 301

drawings. Compact aggregate fill later to 100% Standard Proctor.

E1643; place sheets in position with the longest dimension parallel with direction of pour

B. Graded Aggregate Fill: Install minimum 4" thick layer of number 57 stone, clean and washed

sand or clean river rock under slab unless noted otherwise in these specifications or the contract

D. Steel Reinforcement: Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement

1. Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before placing

Vapor Retarder: Install, protect, and repair under slab vapor retarder sheets according to ASTM

E. Joints: Install expansion and control joints as indicated on drawings and as required to control cracking and allow for normal thermal expansion and contraction F. Concrete Placement: Comply with recommendations in ACI 304R for measuring, mixing,

1. Do not add water to concrete during delivery, at Project site, or during placement

Tolerances: Comply with ACI 117, "Specifications for Tolerances for Concrete Construction and H. General: Protect freshly placed concrete from premature drying and excessive cold or hot

2. Consolidate concrete with mechanical vibrating equipment

temperatures. Comply with ACI 306.1 for cold-weather protection, and follow recommendations in ACI 305R for hot-weather protection during curing. I. Curing Methods: Cure formed and unformed concrete for at least seven days by moisture curing, moisture-retaining-cover curing, curing compound, or a combination of these

A. Provide integral and dry shake color finish for cast-in-place concrete, with curing and finishing B. Materials: Materials for special concrete finishes shall each come from a single source, and shall

<u>SECTION 03351 - INTEGRAL STAINED CONCRETE</u>

GENERAL

EXECUTION

3.1 APPLICATION

transporting, and placing concrete

PRODUCTS MATERIALS

not be changed throughout Project

A. See Finish Legend sheet on drawings B. Broom Finish at Exterior Smooth hard-troweled interior floor finish required, use of textures not acceptable

A. Apply dry-shake coloring and curing materials in process conforming with coloring material

manufacturer recommendations and instructions as required to match approved samples and

B. Apply two coats of specified sealer in accordance with manufacturer's recommendations and application instructions and as required to match approved samples and mock-up

SECTION 04200 - UNIT MASONRY

GENERAL

1.1 SUMMARY A. Furnish and Install: All masonry work indicated on the drawings and specified, including but not limited to the following:

1. Decorative cut concrete unit masonry 2. Concrete masonry units (CMU)

Clay masonry units (Common Brick or Face Brick)

and/or reinforcement

4. Furnish and install control joints as indicated on the drawings 5. Installation of steel lintels and other built-in miscellaneous metal items and required accessories

B. The price for all work specified in this Section shall be included in the total price indicated by the Bidder in General Contract Work

1.2 QUALITY ASSURANCE A. Certification:

> and shall have successfully completed comparable work. The Architect reserves the right to approve the mason selected. B. Materials:

1. Competence: The approved mason must have a reputation for doing satisfactory work on time

1. Masonry Units: Obtain masonry units from one manufacturer cured by one process and of

uniform texture and color, for each type required for each continuous area and visually related

4. Do not use metal reinforcing, or ties having loose rust or other coating, including ice, which will

areas. Whenever concrete units are shown or scheduled to be painted, provide fine textured

2. Mortar: Do not change source or brands of masonry mortar materials during the course of the 3. Decorative Cut Masonry Units: Uniform texture, color and tolerances

reduce or destroy bond C. Codes: Comply with the applicable requirements of governing authorities and codes for the types of masonry construction shown

D. Coordination: Review installation procedures and coordinate with other work that must be integrated with masonry E. Cut stone workmanship and fabrication shall comply with quality standards and practices of Indiana Limestone Institute

 A. Submit product data for each product used PRODUCTS

1.3

SUBMITTALS

Masonry Units A. Concrete Masonry Units (CMU): Nom. Size, 8in x 8in x 16in or 4in x 8in x 16in

1. Hollow load-bearing units: ASTM C90, Grade N, Type I, normal weight

2. Provide for lintels and bull nose corners as indicated on drawings

2. Facing brick, unglazed, ASTM C216, Grade SW, Type FBS

B. Clay Masonry Units (Common Brick or Face Brick): 1. Building (common) brick, ASTM C62, Grade SW

> Mortar & Grout A. Mortar: ASTM C270, Type N, color to match color selected by architect from manufacture's full range of colors

B. Portland Cement: ASTM C150, Type I, non-staining, without air entrainment. Use Type III

C. Masonry Cement: ASTM C91, Type II, non-staining, except with 12% maximum air content by

D. Hydrate Lime: ASTM C207, Type S, special finishing hydrated lime, non-air entrained

blended to decrease shrinkage and increase moisture resistance

volume, not acceptable for exterior applications

Aggregate for Mortar: Sand, ASTM C144

high-early strength as required for laying masonry in cold weather.

F. Water: Clean potable water free of deleterious materials which would impair strength or bond G. Commercial Cement Grout: Proprietary compound of Portland cement and additives, factory

1. Products offered by manufacturers to comply with the requirements and include the following: a. Hydroment Joint Filler; Upco Chem/USM

c. SAC; Syracuse

b. L & M Acid-R Grout; L & M-Surco

H. Fine Aggregate for Grout; Sand, ASTM C404, size No 1 Coarse Aggregate for Grout: ASTM C404, size No. 8 or size No. 89 STEEL REINFORCEMENT BARS: Steel Bars complying with ASTM A615, Grade 60 unless

2.4 Masonry Accessories A. Manufactures: Provide products that comply with the project requirements and are manufactured by the following

Dur-O-Wal

2. AA Wire Products

intersecting masonry

otherwise specified by structural engineer

3. Masonry Reinforcing Corp of America 4. Heckmann Building Products Inc. B. Single Wythe Joint Reinforcement: To consist of ladder type joint reinforcement manufactured

per ASTM A951 from hot dip galvanized steel per ASTM A153

C. Multi-Wythe Adjustable Joint Reinforcement: To consist of adjustable ladder type joint reinforcement equal to Dur-O-Wal's Ladder-Eye- DA3600 system manufactured per ASTM A951 from hot dip galvanized steel per ASTM A153 D. Wire mesh ties: Wire mesh ties or hardware cloth used to anchor non load-bearing partitions to

1. Manufacture from at least 15-guage zinc or copper-coated steel wire, have a ½ in mesh and be

1. Channel anchor slot manufactured from galvanized sheet steel per either ASTM A153 nor ASTM

A653. Channel anchor should be equal to Dur-O-Wal # DA901 Channel Anchor Slot.

G. Wall Flashing: The product supplied shall be marked with the manufacturer or brand name

Adjustable Wall Ties- Metal Stud Back-up: l. Veneer Anchor Screw on Plates: Hot dip galvanized steel per ASTM A153. Plat should be equal to Dur-O-Wal # DA210 veneer anchor screw on plate

Adjustable Wall Ties- Structural Steel Back-up:

H. Compressible Filler: Expanded polyethylene.

at least 12 in. long. The width should be 1 in. less than the wall thickness.

2. Triangular Wall Tie: 3/16" diameter Hot dip galvanized steel per ASTM A153

factory's applied at frequent intervals, permitting easy identification. The Contractor has the option of installing any one of the types of materials listed below.

creped craft paper. Copper Armored Sisalkraft, Sandell, Wasco or equal, 3 oz. psf. 2. Non-reinforced, homogeneous, waterproof, impermeable sheeting compound of elastomeric substances which have been reduced to a thermoplastic state and extruded into continuous sheeting approximately 0.02" thick and weighing approximately 22 ounces per square yard. Nervastral, Sandell Nu-Flex, or equal.

1. Copper reinforced with inter-lacing sisal fibers and bonded with two layers of asphalt to heavy

I. Control Joint: Install masonry control joint in walls as indicated on plans and elevations or as required. Joint material fabricated of PVC with a hardness of 70 durometer. Vinylex type CJ-A, or Dur-O-Wal. Provide full bond break at all control joints.

Mortar Net: Dur-O-Wal, DA1008 Mortar Net or equal installed in at base of all cavities where a

A. General: Do not lower the freezing point by use of admixtures or anti-freeze agents. Do not use

cell vent is installed K. Cell Vent: Dur-O-Wall, DA1006 Cell Vent or equal as install as shown on drawings

calcium chloride in mortar or grout. B. Mortar for Unit Masonry: Comply with ASTM C270, Proportion Specifications for Type 'N' Mortar, except where indicated otherwise

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REVISIONS

PAUL

BERNATEK

NUMBER

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TAP DANIEL

Drawing Title **SPECIFICATION**

Job No. Drawn 204530 Author 08/19/2021

1. All materials for mortar or grout shall be measured by volume. Combine and mix cement, lime water and aggregates for a minimum of 5 minutes in a mechanical batch mixer. For mortar, add as much water as is required for workability. Mortar may be re-tempered by adding water and remixing, as required for workability. Do not use mortar or grout which has begun to set or if more than 2-1/2 hours or 1-1/2 hours if the temperature is 80 degrees, has elapsed after initial

2. Mix grout to have a slump of 10" plus or minus 1" at time of placement

3. Do not add air-entraining agents or other admixtures 4. Add tint to mortar as recommended by manufacture to ensure uniformity from batch to batch

INSULATION (where noted on drawings)

 A. Rigid Insulation - see Section 07210 for products B. Zonolite vermiculite loose fill in all CMU block core

EXECUTION

3.1 EXAMINATION

A. General: Build masonry construction to the full thickness shown

2. Examine conditions, with installer present, for compliance with requirements, for installation tolerances, for site specific conditions, and other conditions affecting performance of unit

3. Examine rough-in and built-in construction to verify actual locations prior to installation

4. Start of work will indicate acceptance of conditions

INSTALLATION

A. Basic Requirements:

1. Comply with ACI 530.1, the "Recommended Practices & Guides Specifications for Severe (Cold-Hot) Weather, Masonry Construction", all local codes and regulations, and this specification

2. Build chases and recesses as shown or required for the work of other trades. Provide not less than 8" of masonry between chases or recess and jamb of openings, and between adjacent chases and recesses.

3. Leave openings for equipment to be installed before completion of masonry work. After installation of equipment, complete masonry work to match work immediately adjacent to the

4. Build chases and recesses as shown or required for the work of other trades. Provide not less than 8" of masonry between chases or recess and jamb of openings, and between adjacent

5. Cut masonry units using motor driven saws to provide clean, sharp unchipped edges. Cut units as required to provide pattern shown and to fit adjoining work neatly. Use full-sized units without cutting wherever possible.

6. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint widths and to properly locate openings, movement type joints, returns and offsets. Avoid the use of less than half-size units at corner, jambs and wherever possible at other locations.

7. Lay-up walls plumb and true to comply with specified tolerances, with courses level, accurately spaced and coordinated with other work

8. Set decorative cut stone per "Section - 04851 Manufactured Masonry Veneer" and cast stone sections per "Section 04720- Cast Stone" of this specification

9. Lay exposed masonry in running bond with vertical joint in each course centered on units in courses above and below. Lay concealed masonry with all units in a wythe bonded by lapping not less than 2". Bond and interlock each course of each wythe at corners. Do not use units with less than 4" horizontal face dimensions at corners and jambs.

B. Construction Tolerances:

1. Variation from Plumb: For lines and surfaces of columns, walls and arises, do not exceed 1/4" in 10' or 3/8" in a story height of 20' maximum. Except for external corners, expansion joints and other conspicuous lines do not exceed 1/4" in any story or 20' maximum.

2. Variation from level: For lines of exposed lintels, sills, parapets, horizontal grooves and other conspicuous lines, do not exceed 1/4" in any bay or 20' maximum, nor 3/4" in 40' or more

3. Variation of Linear Building Lines: For position shown in plan related portion of columns, walls and partitions, do not exceed 1/2" in any bay or 20' maximum, nor 3/4" in 40' or more

4. Variation in Cross Sectional Dimensions of Multi-Width Elements: For columns and thickness of walls, from dimensions shown, do not exceed minus 1/4" nor plus 1/2"

5. Variation in Plans: Do not exceed 1/16" offset, unit to unit at joint

6. Comply with ACI 530.1, section 2.3.3.2

C. Setting - Stone:

1. All decorative cut stone units shall be set accurately in strict accordance with the contract and

2. All caststone units shall be set accurately in strict accordance with the contract and shop

D. Composite Walls:

1. Fill the vertical, longitudinal joint between withes (collar joint) solidly with mortar by parging the in-place wythe and shoving units into the parging 2. Provide weepholes in exterior applications located immediately above ledges and flashing,

spaced maximum 2'-0" O.C.

3. Use 12" lengths of 1/4" cotton rope (sash cord) cut flush with face of wall E. Cavity Walls:

1. Keep cavity clean of mortar droppings and other materials during construction

2. Tie exterior wythe to back up with continuous horizontal joint reinforcement as specified

3. Provide rope wicks and cell vents in head joints of exterior wythe of cavity wall located immediately above ledges and flashing, spaced maximum 2'-0" O.C. Recess cell vents 1/8" from face of masonry. Cut rope wicks flush with face of wall.

4. At rigid cavity wall insulation, install rope wicks so that the back of the rope wick comes in contact with the drainage plane of the rigid cavity wall insulation

5. Remove mortar from face of CMU prior to installation of liquid applied air barrier per Division 7 of this specification. Ensure direct contact of back of the ridged cavity wall insulation.

6. Cut insulation units to fit tight to each other. Fit courses of insulation between wall ties and other confining obstructions in cavity, with edges butted tightly in all directions. Press units firmly

against inside of wythe. F. Mortar Bedding and Jointing:

1. Lay hollow concrete masonry units with full mortar coverage on horizontal and vertical face shells. Bed webs in mortar in starting course on footings and foundation walls and in all courses of piers, columns and pilasters, and where adjacent to cells or cavities to be reinforced or filled with concrete or grout.

2. Maintain joint widths shown, except for minor variations required to maintain bond alignment. If not shown, lay walls with 3/8" joints.

3. Tool exposed joints slightly concave, except as otherwise shown or required to match existing

4. Cut joints flush for masonry walls, which are to be concealed or to be covered by other materials

5. Remove masonry units disturbed after lying; clean and reset in fresh mortar. Do not pound corners at jambs to fit stretcher units which have been set in position. If adjustments are required, remove units, clean off mortar, and reset in fresh mortar.

Stopping and Resuming Work:

1. Rack back 1/2 masonry unit length in each course; do not tooth. Clean exposed surfaces of set masonry, wet units lightly (if required) and remove loose masonry units prior to laying fresh

H. Built-In Work: 1. As the work progresses, build-in items specified under this and other sections and as required to

2. Fill space between hollow metal frames and masonry solidly with mortar

complete the project. Fill in solidly with masonry around built-in items.

3. Where built-in items are to be embedded in cores of hollow masonry units, place a layer of metal lath in the joint below and rod mortar or grout into core

I. Horizontal Joint Reinforcing and Structural Bonding:

1. Provide continuous horizontal joint reinforcing at 16" O.C. vertically. Fully embed longitudinal side rods in mortar for their entire length with a minimum cover of 5/8" on exterior side walls and 1/2" at other locations. Lap reinforcement a minimum of 6" at ends of units. Do not bridge control and expansion joints with reinforcing except at wall openings.

2. Provide continuity at corners and wall intersections by use of pre-fabricated "L" and "T" sections. Cut and bed units as directed by manufacturer for continuity at returns, offsets, column fireproofing, pipe enclosures, and other special conditions.

3. Reinforce masonry openings greater than 1'-0" wide, with horizontal joint reinforcing placed in two horizontal joints approximately 8" apart, immediately above the lintel and immediately below the sill. Extend reinforcing a minimum of 2'-0" beyond jambs of the opening, bridging control joints where provided.

a. In addition to wall reinforcing, provide additional reinforcing at openings as required to comply with the above

b. For exterior walls, use truss type reinforcing for interior partitions; use either truss type or ladder type reinforcing Anchoring Masonry Work:

1. Anchor masonry to structural members where masonry abuts or faces such member to comply

a. Provide compressible filler not less than 1" thickness between masonry and structural b. Provide expansion filler under all shelf angles and at face brick vertical masonry

expansion joints c. Anchor masonry to structural members with metal ties embedded in masonry joints and attached to structure. Provide anchors with flexible tie sections.

Space anchors as shown but not more than 16" O.C. vertically or 16" O.C. horizontally

e. Weld veneer anchor plates to steel

2. Anchor single wythe masonry veneer to metal studs with masonry veneer anchors to comply with the following requirements:

a. Fasten each anchor section through sheathing and air barrier to studs with self-sealing anti corrosive fastener to ensure a weather tight seal b. Embed tie section in masonry joints. Provide not less than 1-1/2" Air space between

back of masonry veneer wythe and face of sheathing

c. Locate anchor section relative to course in which tie section is embedded to allow maximum vertical differential movement of tie up or down d. Space anchors as shown but not more than 16" O.C. vertically or 16" O.C. horizontally

K. Flashing of Masonry Work:

1. Provide flashing at masonry work, whether shown or not shown, at shelf angles, lintels, ledges, and other obstructions to interrupt the downward flow of water in the wall so as to divert such

2. Prepare masonry surfaces to be smooth, level, and free from projections, which might puncture

3. Seal flashing penetrations with mastic before covering with mortar 4. At lintels and shelf angles, install shelf adhering flexible flashing directly on steel surface

5. Extend flashing beyond edge of lintels and walls at least 8" and turn up edge on sides to form pan to direct moisture to the exterior

6. Install flashings in accordance with manufacturer's instructions

7. Install reglets and nailers for flashing and other related work where shown to be built into

8. Copper reinforced flashing: Extend flashing through the exterior face of the masonry wall and terminate flashing 1/2" from face of wall. Turn down to form drip edge unless otherwise shown.

a. Overlap flashing joints 4" minimum and provide flat locked seams set in mastic. Extend flashing beyond edge of lintels, sills and end terminations and turn up edges on sides to form end dam pan to direct moisture to the exterior.

9. Non-Reinforced, Homogeneous, Waterproof, Sheet Flashing: Remove Dust from contact surfaces. Prime as recommended by manufacture when surfaces are too dirty or dusty for good adhesion at initial touch and at temperatures below 40 degrees Fahrenheit.

a. Install 2" stainless steel drip edge by extending 1-3/4" under the edge of exterior face of masonry wall, 1-3/4" over the edge of concrete at top of foundation walls, and 1-3/4" over edge of steel lintels or shelf angles. Edge of stainless steel drip edge to be bent down 1/4" at (45 degrees) to form drip. At foundation set 2" stainless steel drip edge in either bed of mastic or strip of self-adhering flexible flashing.

Install the sheet flashing with the edge of the sheet set 1-1/2" onto the 1-3/4" horizontal portion of the 2" stainless steel drip edge. Overlap and press seams tight to provide a water

Install preformed boots at inside, outside corners, and at end dams at end terminations. Install sheet flashing 4" minimum over preformed boots. At end dams extend sheet flashing to exterior face of masonry and cut flush. In all cases overlap and press seam tight to achieve a water tight seal. d. In cavity wall construction where a concrete masonry unit back up wall abuts horizontal

or vertical members of a structural frame, cover joint with a continuous sheet of rubberized asphalt flashing

Remove and replace masonry units which are loose, chipped, broken, stained or otherwise damaged, or if units do not match adjoining units and install in fresh mortar or grout, pointed to eliminate evidence of replacement

B. During the tooling of joints, enlarge any voids or holes, except weep holes, and completely fill

C. Point up all joints at corners, openings and adjacent work to provide a neat, uniform appearance, properly prepared for application of caulking or sealant compounds

CLEANING

Cleaning exposed, unglazed masonry surfaces: Wipe off excess mortar as the work progresses. Dry brush at the end of each day's work.

1. After mortar is thoroughly set and cured, clean sample wall area of approximately 20 square feet. Obtain Architect's acceptance of sample cleaning before proceeding to clean rest of masonry

2. Prior to cleaning, remove all stains and graffiti using Sure-Klean Stand-Off Graffiti Remove, per manufacturer's instructions

3. Clean new concrete masonry surfaces with a product recommended by Sure-Klean or Process Solvent Company for the type of substrate. Conform to cleaning product manufacturer's

4. Acid cleaning of masonry will not be permitted

5. Other specially formulated masonry cleaning products will be acceptable Sealer at Exterior Masonry: Provide sealer as noted on drawings or compatible with finished

 GENERAL SUMMARY

SECTION 04720 - CAST STONE

A. Provide all labor, materials and equipment to provide Cast Stone as shown on contract drawings and as described in this specification

SUBMITTALS

A. Submit product data for each product

B. Submit shop drawings that include the following:

Cross-sections Reinforcement

Exposed faces 5. Arrangement of all joints

Anchoring methods 7. Anchors

8. Annotation of stone types and details in their location in plan Length of each cast stone piece

Submit samples for each product Submit manufacturer's written maintenance instructions

QUALITY ASSURANCE

B. Installer shall have completed at least ten (10) projects of similar scope and have at least ten (10) years' experience as an installer of cast stone products C. Both the manufacturer and installer must be a member in good standing with the Cast Stone

ten (10) years' experience as a manufacture of cast stone products

A. Manufacturer shall have completed at least ten (10) projects of similar scope and have at least

D. Follow the recommendations of the Cast Stone Institute for storage and handling of materials. Stained products will either not be accepted or will require cleaning per the recommendations of the

1. Cleaning: The cleaning of a product does not release that cast stone product from the color uniformity requirements of this specification. Non-conformance to those standards is grounds for rejection and replacement of each rejected cast stone product at the contractor's expense.

PRODUCTS

ARCHITECTURAL CAST STONE

A. Physical Properties: Cast Stone shall be in the sizes, shapes, and quantities as indicated on the contract drawings complying with ASTM C1364 and the following physical requirements:

1. Compressive Strength: 6,500 psi after 28 days, per ASTM C1194 2. Absorption: 6% max by the cold water method or 10% maximum by the boiling method for

products at 28 days 3. Air Content: 4%-8% as tested per ASTM C1364

4. Freeze-Thaw: The Cumulative Percentage Weight Loss (CPWL) shall be less than 5% after 300

cycles of freezing and thawing 5. Linear Shrinkage: Shall not exceed 0.065% per ASTM C426

6. Colors: Refer to the drawings

CAST STONE RAW MATERIALS A. Portland Cement: Type I, white and/ or grey, conforming to ASTM C150 B. Coarse Aggregates: Granite, quartz, or limestone conforming to ASTM C33

C. Fine Aggregates: Manufactured or natural sands conforming to ASTM C33 D. Colors: Inorganic iron oxide pigments conforming to ASTM C979. Carbon black pigments shall not be used. Refer to "Finish Legend" for colors.

E. Admixtures: Comply with the following: 1. Air-entraining Admixtures: Comply with ASTM C260

2. Types (A-G) for Water Reducing, Retarding, Accelerating, and High Range Admixtures: Comply with ASTM C494/C495M 3. Other Admixtures: Integral water repellents and other chemicals for which no ASTM standard exist must be shown suitable by proven field performance or through verifiable third party

laboratory testing MANUFACTURING TOLERANCES

A. Manufacturing tolerances are as follows: B. Cross section dimensions shall not deviate by more than +/- 1/8"

C. Length of unit's shall not deviate by more than (length/360) or +/- 1/8" whichever is greater

D. Warp Bow or twist of units shall not exceed (length/360) or +/- 1/8" whichever is greater E. Maximum Length: The maximum length of any Cast Stone unit is to be no more than 8ft in length

2.4 COLOR AND FINISH OF CAST STONE

Color: Refer to "Finish Legend" for specified color B. Color Uniformity: Units shall exhibit a texture approximately equal to the approved sample when

viewed under direct daylight illumination at a 10ft. distance 1. All colors must conform to the following requirements as measured by ASTM D2244 for permissible variation in color between units of comparable age subjected to similar weathering

a. Total color difference - not greater than 6 units b. Total hue difference - not greater than 2 units

C. Surface Uniformity: All surfaces intended to be exposed to view shall have a fine-grained texture similar to natural stone, with no air voids in excess of 1/32 inch. The density of such voids shall be less than 3 occurrences per any 1 inch. Voids shall not be obvious under direct daylight illumination at a 5ft. distance.

1. Units shall show no evidence of crazing REINFORCEMENT

1. Minimum reinforcing shall be 0.25 percent of the cross section area

Cast Stone Units to be reinforced as required to ensure safe handling and structural stress after

B. Reinforcing Bars: Deformed steel bars complying with ASTM A615/A615M 1. Epoxy Coating: ASTM A775/A775M

2. Galvanized Coating: ASTM A767/A767M C. Welded Wire Fabric: Conforming to ASTM A185

EXECUTION

GENERAL

1.1 SUMMARY

MISCELLANEOUS MATERIALS A. Mortar: Type N, conforming to ASTM C270

B. All anchors, dowels and other anchoring devices and shims shall be fabricated from stainless steel complying with ASTM A276 or ASTM A666, Type 304 C. Sealants and Joint Materials: Provide either one-part "moisture cure" or "air cure". Two part

system conforming to ASTM C920 and the following requirements:

1. Allowance for thermal and other movement to be within 25% of the joint size 2. Provide a Two component, polyurethane sealant or Silicon sealant that will ensure a weather

tight seal and allow for thermal expansion and contraction for ten years or more without failure 3. Color: To match Cast Stone unless noted otherwise on contract drawings

EXAMINATION A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of cast stone

B. Proceed with installation only after unsatisfactory conditions have been corrected C. Installing contractor shall check Cast Stone materials for fit and finish prior to installation. Do not

set unacceptable units. INSTALLATION A. Set cast stone as indicated on contract drawings and per the recommendations of the manufacturer. Install anchors, supports, fasteners, and other attachments indicated or necessary to secure units in place. Set units accurately in locations indicated with edges and faces aligned

according to established relationships and indicated tolerances. B. Setting Tolerances: Comply with tolerances described in the Cast Stone Institute Technical

Manual and the following: 1. Set cast stone units 1/8inch or less, within the plane of adjacent units

2. Joints, plus-1/16" minus-1/8" C. Install all expansion and sealant joints as shown on shop drawings. All joints shall comply with the recommendations of the Cast Stone Institute.

REPAIR, CLEANING, AND PROTECTION Repair any chips with touchup materials furnished by manufacturer Saturated or stained units to be cleaned prior to setting with a manufacturer recommendations

Protect installed products from staining or chipping throughout the duration of construction

3.4 INSPECTION AND ACCEPTANCE A. All installed units not conforming to the visual requirements of this specification will be rejected and replaced at the contractor's expense

B. Do not field apply water repellent until repair, cleaning, inspection, and acceptance is completed

SECTION 04851 - MANUFACTURED MASONRY VENEER

1.2 SUBMITTALS A. Submit product data for each product per "Section - 01330 Submittals"

A. Provide all work associated with the installation of manufactured stone veneer as shown on the

B. Submit samples for each product per "Section - 01330 Submittals"

Submit manufacturer's written maintenance instructions per "Section 01700 Close-Out Procedures"

QUALITY ASSURANCE Manufacturer must have at least 5 years' experience manufactured stone veneer Installer must have at least five (5) years' experience installing manufactured stone veneer in

projects similar in scope to that of this project

Must meet the minimum requirements for adhered precast veneer stone as set forth in the local building code WARRANTIES

A. Provide a manufacturer's standard fifty (50) year warranty for all exterior manufactured stone veneer materials installed PRODUCTS

MANUFACTURERS Refer to Finish Legend located on the contract drawings for acceptable manufacturers

 No Substitutions MANUFACTURED STONE MATERIALS Refer to Finish Legend for color and style of manufactured stone veneers

A. In exterior applications provide one of the following: 1. A weather barrier per "Section 07270-Sheet Membrane Waterproofing for Plaster Cladding"

2. No. 15 non-perforated asphalt saturated organic felt conforming to ASTM D226 B. Fasteners: Galvanized staples, nails or screws of size, spacing, and type as recommended by manufactured stone veneer manufacturer

C. Mortar and Grout . Materials:

SETTING ACCESSORIES

a. Cement: ASTM C150 Type 1 b. Mortar: ASTM C270Type N mortar with additional bonding agents per manufacturer's

c. Masonry sand, complying with ASTM C144 2. Color: Refer to Finish Legend located on the contract drawings EXECUTION

A. Examine substrates which manufactured veneer stone is to be applied and ensure that substrates conform to the installation requirements of the manufacturer B. Correct any non-conforming substrates prior to installation

C. Commencement of installation of manufactured stone products shall indicate acceptance of substrate conditions INSTALLATION

Install manufactured stone veneer products in accordance with manufacturer's written

SECTION 05400 - COLD-FORMED METAL FRAMING

SYSTEM DESCRIPTION

SUMMARY Section Includes:

GENERAL

recommendations

1. Exterior steel-stud wall framing for cladding system per drawings 2. Interior steel stud partition framing gypsum wallboard assemblies

B. Protect finished work from rain for 48 hours following installation

AISI "Specifications": Calculate structural characteristics of cold-formed metal framing according to AISI's "Load and resistance Factor Design Specification for Cold-Formed Steel Structural Members" Structural Performance: Engineer, fabricate and erect cold-formed metal framing to withstand

design loads within limits and under conditions required 1. Design framing systems to withstand design loads without lateral deflections greater than 1/240 of the wall height

2. Exterior Framing; Wind Loads: Uniform pressure (velocity pressure of 40 lb per sq. ft. within 20 feet each building corner), acting inwards or outwards 3. Interior Framing: Design loads for interior framing shall be 5 lbs per sq. ft.

4. Design framing systems to provide for movement of framing members without damage or

strain on fasteners and anchors, or other detrimental effects when subject to a maximum ambient temperature change (range) of 120 deg F (67 deg C) 5. Design framing system to accommodate deflection of primary building structure and construction tolerances, and to maintain clearances at opening

overstressing, exterior insulation and finish system component failure, connection failure, undue

Design exterior nonload-bearing framing to accommodate lateral deflection without regard to contribution of exterior finish system D. Engineering Responsibility: Engage a fabricator who assumes undivided responsibility for engineering cold-formed metal framing by employing a Registered Structural Engineer in the State

which the project occurs to prepare design calculations, shop drawings, and other structural data SUBMITTALS

B. Shop drawings showing layout, spacing, sizes, thicknesses, and types of cold-formed metal framing, fabrication, fastening and anchorage details, including mechanical fasteners. Show reinforcing channels, opening framing, supplemental framing, strapping, bracing, bridging, splices, accessories, connection details and attachments to other units of Work.

1. For cold-formed metal framing indicated to comply with certain design loadings, include structural

Submit product data for each type of cold-formed metal framing, accessory, and product

analysis data sealed and signed by a Registered Structural Engineer in the State which the project occurs who was responsible for its preparation

QUALITY ASSURANCE Welding Standards: Comply with applicable provisions of AWS D1.1 "Structural Welding CodeSteel" and AWS D1.3 "Structural Welding CodeSheet Steel"

Directory", or by Warnock Hersey or another testing and inspecting agency acceptable to authorities having jurisdiction C. Structural Engineer Qualifications: A structural Engineer legally authorized to practice in the State where the project occurs and experienced in providing engineering services of the kind indicated that have resulted in the installation of cold-formed metal framing similar to this Project in

B. Fire-Resistance Ratings: As indicated by design designations listed in UL "Fire Resistance

material, design, and extent and that have a record of successful in-service performance PRODUCTS

MATERIALS A. For Exterior Framing; Galvanized-Steel Sheet: ASTM A446, zinc coated according to ASTM A525, and as follows:

2. Grade: As required by structural performance Galvanized Steel Studs: Manufacturer's standard C-shaped steel studs of web depths indicated, with lipped flanges, and complying with the following:

1. Coating Designation: G 60

1. Design Uncoated-Steel Thickness:

2. Web: Punched

a. 0.0358 inch (20-gauge) b. 0.0474 inch (18-gauge) c. 0.0598 inch (16-gauge)

For Interior Wall framing; Prime-Painted Steel Sheet: ASTM A570 or ASTM A611, cleaned, pretreated, and primed with manufacturer's baked-on, lead-and chromate-free, rust-inhibitive primer conforming to the performance requirements of FS TT-P-664

Steel Studs: Manufacturer's standard C-shaped steel studs of web depths indicated, with lipped

flanges, and complying with the following: 1. Design Uncoated-Steel Thickness: a. 0.0358 inch (20-gauge)

b. 0.0474 inch (18-gauge)

c. 0.0598 inch (16-gauge)

1. Grade: As required by structural performance

Web: Punched

E. Galvanized Steel Track: Manufacturer's standard U-shaped steel track, unpunched, of web depths indicated, with straight flanges, and complying with the following:

1. Design Uncoated-Steel Thickness: Matching steel studs 2. Flange Width: Manufacturers standard deep flange deflection track where indicated, standard flange elsewhere

EXECUTION

3.1 INSTALLATION A. Cold-formed metal framing may be shop or field fabricated for installation, or it may be field

B. Install cold-formed metal framing and accessories plumb, square, true to line, and with connections securely fastened, according to manufacturer's recommendations and the requirements

1. Cut framing members by sawing or shearing; do not torch cut 2. Fasten cold-formed metal framing members by welding or screw fastening, as standard with fabricator. Wire tying of framing members is not permitted.

welds, and methods used in correcting welding work b. Locate mechanical fasteners and install according to cold-framed metal framing manufacturer's instructions with screw penetration joined members by not less than 3 exposed screw threads

E. Fasten reinforcement plate over web penetrations that exceed size of manufacturer's standard

a. Comply with AWS requirements and procedures for welding, appearance and quality of

C. Install framing members in one-piece lengths, unless splice connections are indicated for track or D. Provide temporary bracing and leave in place until framing is permanently stabilized

punched openings F. Erection Tolerances: Install cold-formed metal framing to a maximum allowable tolerance variation from plumb, level, and true to line of 1/8 inch in 10 feet and as follows:

1. Space individual framing members no more than plus or minus 1/8 inch from plan location. Cumulative error shall not exceed minimum fastening requirements of sheathing or other finishing materials. 3.2 INSTALLATION (EXTERIOR WALL)

supporting structure as indicated. B. Squarely seat studs against webs of top and bottom tracks. Fasten both flanges of studs to top and bottom track unless otherwise indicated. Space studs as follows:

A. Install continuous tracks sized to match studs. Align tracks accurately and securely anchor to

 Stud spacing: See contract documents C. Set studs plumb except as needed for diagonal bracing or required for nonplumb walls or warped surfaces and similar requirements

1. Connect studs with vertical slide clips to continuous angles or supplementary framing anchored Install horizontal bridging in curtainwall studs, spaced in rows not more than 48 inches apart. Fasten at each stud intersection.

D. Isolate steel framing form building structure at locations indicated to prevent transfer of vertical

loads while providing lateral support

curtainwall-framing system

surfaces and similar requirements

even, true-to-line joints

solid blocking to stud webs or flanges. Install miscellaneous framing and connections, including stud kickers, web stiffeners, clip angles, continuous angles, anchors, fasteners, and stud girts, to provide a complete and stable

1. Bridging: Combination of flat, steel-sheet strips of width and thickness indicated and stud-track

blocking of width and thickness matching studs. Fasten flat straps to stud flanges and secure

1. Maximum variation in plane and true position between prefabricated assemblies should not exceed 1/16 inch 3.3 INSTALLATION (INTERIOR WALL)

G. Erection Tolerances: Bolt or weld framing at horizontal and vertical junctures to produce flush,

greater 24 inches for power-driven anchors B. Squarely seat studs against webs of top and bottom tracks. Fasten both flanges of studs to top and bottom track. Space studs as indicated on drawings.

C. Set studs plumb except as needed for diagonal bracing or required for nonplumb walls or warped

Install continuous top and bottom tracks sized to match studs. Align tracks accurately and

securely anchor at corners and ends, and at spacing recommended by the manufacturer, but not

D. Isolate steel framing from building structure at locations indicated to prevent transfer of vertical loads while providing lateral support Install supplementary framing, blocking, and bracing in stud framing indicated to support fixtures, equipment, services, casework, heavy trim, furnishings, and similar work requiring attachment to

F. Install miscellaneous framing and connections, including supplementary framing, web stiffeners,

clip angles, continuous angles, anchors, and fasteners, to provide a complete and stable wall-framing

3.4 REPAIRS Galvanizing Repairs: Prepare and repair damaged galvanized coatings on fabricated and installed cold-formed metal framing with galvanizing repair paint according to ASTM A780 and the manufacturer's instructions

B. Touchup Painting: Wire brush, clean, and paint scarred areas, welds, and rust spots on

1. Touchup painted surfaces with same type of shop paint used on adjacent surfaces 3.5 FIELD QUALITY CONTROL

fabricated and installed prime-painted, cold-formed metal framing

A. Testing and Inspection Laboratory: A qualified Independent Testing and Inspection Laboratory employed and paid by Owner will perform field quality-control testing B. Field and shop welds will be subject to inspection and testing C. Testing laboratory will report test results promptly and in writing to Contractor and Architect

Additional testing will be performed to determine compliance of corrected Work with specified requirements PROTECTION A. Provide final protection and maintain conditions in a manner acceptable to manufacturer and

Installer to ensure that cold-formed metal framing is without damage or deterioration at the time of

Remove and replace Work that does not comply with Specified requirements

Substantial Completion

SECTION 05700 - ORNAMENTAL METALS

1.2 SUBMITTALS

A. Steel Shapes, Plates and Bars: ASTM A36

for exterior use or where built into exterior walls

required for design loading

where exposed

with design of structure

 GENERAL 1.1 SUMMARY A. Metal fabrications includes items made from iron and steel shapes, plates, bars, strips, tubes,

pipes and castings which are not a part of structural steel or metal systems specified elsewhere

A. Submit shop drawings for each fabrication and product data for each material PRODUCTS MATERIALS

C. Steel Pipe: ASTM A53, Type S seamless, grade as selected by fabricator and as required for design loading; minimum standard weight, STD or Schedule 40 D. Steel tubing: Cold formed ASTM A500; or hot rolled, ASTM A501; minimum Grade B; seamless

B. Structural Steel Sheet: Hot rolled, ASTM A570; or cold rolled, ASTM A611, Class 1; of grade

F. Grind exposed welds continuous, smooth and flush with adjacent finished surfaces, and ease exposed edges to approximate 1/32" uniform radius G. Exposed Mechanical Fastenings: Flush countersink fasteners unobtrusively located, consistent

H. Ladders: Comply with ANSI A14.3 and Cal/OSHA; finishes as selected by Architect from

E. Fasteners and Rough Hardware: Type required for specific usage; provide zinc-coated fasteners

manufacturers full range of available finishes 1. Roof Ladder: Fixed aluminum access ladder with roof hatch. O'Keefe Precision L.L.C. or equal. (Mill finish) Contractor responsible to determine correct length, platform return configuration, and attachment detail. All ladders to comply with O'Keefe specification #05510.

I. Finishes: Unless otherwise scheduled, galvanize and prime paint exterior steel work and prime paint interior work 1. Provide minimum ASTM A123 or A924 and A653 G90 galvanized coating; iron and steel

hardware galvanized conforming with ASTM A153 EXECUTION INSTALLATION

A. Field bolt and weld to match standard of shop bolting and welding; hide bolts and screw whenever possible, where not hidden, use flush countersunk fastenings

B. Perform field welding in accordance with AWS D1.1

SECTION 05721 - ORNAMENTAL RAILINGS

1.2 QUALITY ASSURANCE

 GENERAL SUMMARY 1.1 A. Provide ornamental items including attachment devises and accessories, as required for complete, finished installation

A. Structural Performance: Engineer, fabricate, and install steel stairs to withstand the following structural loads unless more stringent requirements are required by the local governing code 1. Railing assembly shall withstand a single concentrated load of 200 pounds applied in any

2. Railing assembly shall withstand a minimum uniform load of 50 lbs per linear ft applied in any direction at any point along the top, and transfer this load through the supports to the structure

direction at any point along the top, and transfer this load through the supports to the structure

3. Glass used in handrail assemblies shall comply with safety glazing requirements of ANSI Z97.1 and also be able to with stand the Railing assembly loads stated above

1.3 SUBMITTALS A. Submit shop drawings samples and product data for each product

PRODUCTS

MATERIALS A. Comply with following standards for forms and types of brass 1. Seamless Tubing: ASTM B135

2. Sheet, Plate and Bar: ASTM B36

Castings: ASTM B176

B. Copper: ASTM B370, cold rolled or soft temper, minimum 16 oz (0.0216" thick); finish NAAMM Specular, M22, buffed finish C. Stainless steel: Grade 304 stainless steel or where severe corrosion conditions exist, Grade 316

1. Finish: BHMA 630 (US32D) or NAAMM Number 4, satin directional polished stainless steel

behind finished surfaces without distortion or discoloration on exposed side; dress exposed and

C. Exposed Mechanical Fastenings: Flush countersink fasteners unobtrusively located, consistent

Seamless Tubing: ASTM A269 3. Sheet and Plate: ASTM A666 4. Bar Stock: ASTM A666

D. Steel Components: ASTM A36

with design of structure

SECTION 06100 - ROUGH CARPENTRY

GENERAL

shall be provided

A. Hand Railings: Comply with applicable codes and ADAAG and with requirements of NAAMM "Pipe Railing Manual"; welded construction; cap exposed ends B. Comply with AWS for recommended practices in welding each type of material; provide welds

D. Separate dissimilar materials with bituminous paint where concealed, with preformed separators, or similar method to prevent corrosion

SUMMARY 1.1 A. This section includes minimum grading and quality standards for rough carpentry. Review local codes for additional requirements.

QUALITY ASSURANCE

Wood Association (APA)

B. WWPA: Western Wood Products Association C. WCLIB: West Coast Lumber Inspection Bureau Standard Grading Rules No.17

PRODUCTS MATERIALS A. Provide rough dimensional that is seasoned to have a moisture content of no more than 19% and

is marked either "S-DRY" per the WCLIB or "KD or S-DRY" per the WWPA

the WWPA or Construction or Standard grades per the WCLIB

E. RIS: Red Wood Inspection Service, Standard Specifications for Grades of California

A. All wood provide must be grade marked by one of the following associations or standards

D. Plywood Standard: Comply with PS-1 (ANSI A199.1) and grade marked by the Engineered

B. Provide dimensional lumber per the National Grading Rule for Dimensional Lumber 1. Structural Light Framing: Douglas Fir - Hemlock, No.1 grade per the WWPA and WCLIB not to exceed design values described in the WWPA Product Use Manual

2. Light Framing: Douglas Fir - Hemlock, Standard & Better(STAND & BTR) and STUD grade, per

3. Sills on Concrete or Blocking in Exterior Assemblies: Pressure Treated Douglas Fir - Hemlock No.2 grade or better per the WWPA that complies with AWPA standards for pressure impregnation containing no Urea-Formaldehyde, or Redwood, Merchantable Heart Grade

4. Fire Retardant Treatment (F.T.): Comply with AWPA standards for pressure impregnation

containing no Urea-Formaldehyde to achieve flame spread rating of not more than 25 in

C. Provide APA rated plywood in the thickness described on the contract drawings and as required by code. Grades and locations will be as follows unless noted otherwise. 1. Exterior Walls, Roofs, and Subflooring: APA Structural I Rated Sheathing, EXP 1, C-D

D. Nails, Spikes, and Staples: Galvanized and conforming to requirements of ASTM F1667 and article 2303.6 - IBC 2009. Provide size and type to suite application. Bolts, Nuts, Washers, Lags, Pins, and Screws - Medium Carbon Steels; galvanized; size and type to suit application

INSTALLATION

current printed instructions

accordance with ASTM E84 or UL723

2. Marine Grade Plywood: APA Marine EXT, A-B

Provide wood nailers of size, shape where indicated, required Fasten securely to substrate with appropriate fasteners. Use expansion-type anchors at masonry or concrete, self-tapping screws at steel. Use corrosive resistant fasteners for roofing applications or where otherwise exposed to moisture.

Install work that is component of the roofing system according to roofing material manufacturer's

Install blocking for windows, storefront and entrances according to approved Shop Drawings.

Blocking shall be continuous the width or height of rough openings, unless otherwise shown on

Drawings. Install sill sealer under windowsill blocking as detailed E. Install blocking for finish materials, such as windows and sheet metal fascias, with minimum number of joints, plumb and level, true and straight with no distortions. Discard materials which are

unsound, warped, bowed, twisted, improperly treated, and not adequately seasoned.

SECTION 06200 - FINISHED CARPENTRY GENERAL

EXECUTION

SUMMARY

A. This section includes performance and installation criteria for finished carpentry elements SUBMITTALS

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JAP DANIEL

PAUL

BERNATEK

NUMBER

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Drawing Title

Job No. 204530 Scale 08/19/2021

B. Provide a minimum 5 year warrant from date of substantial competition.

untreated specimens: Concrete Masonry Units, Clay Masonry Units, Stone.

C. Absorption: Provide a 90% reduction of absorption after 24 hours in comparison of treated and

4. Rigid Insulation: As indicated on the contract drawings

SUBMITTALS

Architectural casework includes furring, blocking, shims, and hanging strips for installing

casework items unless concealed within other construction prior to casework installation

2.1

1.4

2.1

Plastic laminate interior surfaces shall be of colors standard as described for the exterior surfaces

b. Board Length Maximum, Class PB: 120 inches

c. Board Thickness Minimum, Class PB: ¾ inch

a. Board Width Maximum, Class PB: 48 inches

b. Board Length Maximum, Class PB: 120 inches

c. Board Thickness Minimum, Class PB: 5/8 inch

Primers: shall be as required by the system manufacturer

G. Finish Coat: Refer to finish schedule for type, color, and texture

as required by (EIFS) manufacturer to provide weather tight seal

E. Base Coat: shall be compatible with the insulation board and reinforcing mesh

H. Mechanical Fasteners: The mechanical fasteners shall be as required by the (EIFS)

tensile and shear strength, when installed to resist design loads upon the system

other materials of the system

J. Water: Clean and potable

(528) quarts of sand

under 5x magnification

FIRE PERFORMANCE

IMPACT PERFORMANCE TEST

stated below whichever is more stringent:

INSTALLATION

are used (minimum slope 1:2)

SECTION 07243 - PORTLAND CEMENT PLASTER (STUCCO)

Submit product data for each product

Submit samples for each product

ENVIRONMENTAL REQUIREMENTS

QUALITY ASSURANCE

STUCCO MATERIALS

locations of stucco finishes

than 8% unhydrated oxides

reinforcement and accessories

permeance of 5 perms in the following applications:

ACCESSORIES

Exterior Locations

Wet Interior Locations

as follows for each metal:

Galvanized Steel:

1. Expanded Polystyrene Insulation Board: Type I per ASTM C578 and per dimensions listed

a. Board Width Maximum, Class PB: 48 inches

3. When plaster will be sprayed applied

a. Corner Beads: 0.0172"

b. Cashing Beads: 0.0172"

c. Weep Screeds: 0.0172"

d. Control Joints: 0.0172"

ASTM C897

SUMMARY

SUBMITTALS

EXECUTION

GENERAL

PRODUCTS

1.1

1. 40 lbs. per sq. ft. in the normal plan of the wall

ASTM E2570, or as required by code over the substrate

PERFORMANCE CHARACTERISTICS

local building codes for addition requirements.

when viewed under 5x magnification

2. Polyisocyanurate (Polyiso) Insulation Board: Type II per ASTM C1289 and per dimensions listed

D. Reinforcing Mesh: Shall be balanced, open weave glass fiber fabric treated for compatibility with

manufacturer; fabricated from corrosion-resistant materials; and shall have the necessary pull-out,

I. Flashing and Accessories: Provide flashing and accessories as shown on contract drawings and

A. Durability: The following are minimum performance criteria for the (EIFS) wall system. Consult

B. Abrasion Resistance: ASTM D968, No cracking, checking or loss of film integrity at 500 liters

C. Accelerated Weathering: ASTM G153/G 152 or G 154, No deleterious effects after 2000 hours

D. Freeze / Thaw Resistance: ASTM E2485, No deleterious effects after 60 cycles when viewed

E. Mildew Resistance: ASTM D3273, No growth supported during 28-day exposure period

F. Salt Spray Resistance: ASTM B117, No deleterious effects at 300 hour exposure period

G. Tensile Adhesion: ASTM C297, No failure for tested values of 103Kpa (15 psi) or less

Water Resistance: ASTM D2247, No deleterious effects at 14 day exposure

A. Surface Burning: ASTM E84, Insulation board and reinforced coating system shall each

separately have a flame spread of 25 or less and a smoke developed of 450 or less

B. Fire Endurance: ASTM E119, Maintain fire resistance of known rated wall assembly

1. Level 1: 2.83 - 5.54J (25-49in-lb), for all surfaces 10 feet above grade

2. 45 lbs. per sq. ft. within 20 feet of building corners acting inwards or outwards

current published instructions, the applicable building code, and project requirements

D. Insulation board thickness shall not be less than 3/4 inch in the bottom of a reveal

F. The finish coat shall be mixed and applied according to the specifications of the (EIFS)

manufacturer. Only clean potable water shall be added to achieve the desired workability.

A. Provide all labor, materials, and equipment associated with the installation of Portland Cement

A. Installer's qualification: Documented five (5) years' experience as installer of portland cement

A. Do not apply stucco when the ambient temperature is 40 degrees Fahrenheit or lower or when a

drop in temperature below 40 degrees Fahrenheit is expected within 48 hours after application

A. Colored Stucco Finish: Refer to the "Finish Legend" and the contract drawings for colors and

B. Portland Cement: Shall conform to ASTM C150, Type I Use Type II for applications over brick,

Hydrate Lime: Provide Type S conforming to ASTM C206, hydrate lime must not contain more

D. Sand: Sand aggregate for job-mixed base coat and job mixed finish coat stucco shall conform to

E. Water: should be clean and free from deleterious amounts of oils, acids, alkalies, salts, and

organic substances that could adversely affect proper hydration or cause corrosion of metal

Expanded Metal Lath: As specified in ASTM C847, lath shall be fabricated from hot dipped

galvanized steel with a minimum G60 zinc coating. Provide backing paper with a min vapor

B. Plaster Trim: Shall be fabricated from hot dipped galvanized steel, with a G60 Coating as

specified in ASTM B69 or zinc alloy as Specified in ASTM B69. The min, thickness of trim pieces is

concrete masonry units, or in applications where resistance to sulfate attack is needed

plaster wall systems of at least 10 projects of similar size and complexity to this project

Plaster Systems as described in the contract drawings and these specifications

Submit manufacturer's written maintenance instructions

B. (EIFS) with Drainage: Install a water-resistive barrier that complies with IBC Section 1404.2.

H. Water Penetration: ASTM E331, No water penetration beyond the base coat/insulation board

interface after 2 hours at 299 Pa (6.24 psf), or 20% of positive wind pressure, whichever is greater

Alkali Resistance of Reinforcing Mesh: ASTM E2098, 21 dN/cm (120 pil) retained tensile strength

Impact Resistance: EIMA 101.86, Provide (EIFS) wall system that meets the following minimum

Wind Load: ASTM E330, Withstand negative and positive wind loads as required by code or as

Installation shall be performed in accordance with this specification, the (EIFS) manufacturer's

Window corners and similar reentrant corners shall be cut out of a single insulation board. Board

joints shall not be aligned at corner with head, sill, or jambs of windows, doors, similar openings and

E. Positive drainage toward the building exterior shall be provided when horizontal configurations

2. Level 3: Greater than 10.2-17J (90-150in-lb), for all surfaces less than 10 feet above grade

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NUMBER A-2018026259

Drawing Title **SPECIFICATION**

Job No. 204530 Scale

Sheet No.

08/19/2021

3.1

1.1

1.3

2.2

1.1

1.2

vapor barrier in exterior wall assemblies.

the structure.

PERFORMANCE REQUIREMENTS

such locations, changes in substrate and perimeter conditions.

2. Assembly shall not displace adjacent materials under full load.

variations and creep, and anticipated seismic movement.

Submit product data for each product

manufactured by primary manufacturer.

Provide all work associated with the installation of water-resistant self-adhering sheet air and

Material Performance: Provide materials which have an air permeance not to exceed 0.004

cubic feet per minute per square foot under a pressure differential of 0.3 in. water (1.57 pounds per

E2178, and a vapor permeance of 0.1 perms or less when tested according to ASTM E96.

B. Assembly shall perform as a liquid drainage plane flashed to discharge condensation or water

penetration to the exterior. Assembly shall accommodate movements of building materials by

providing expansion and control joints as required, with accessory air and vapor seal materials at

1. Assembly shall be capable of withstanding positive and negative combined design wind, fan and

3. Assembly shall be joined in an airtight and flexible manner to the air barrier material of adjacent

assemblies, allowing for the relative movement of assemblies due to thermal and moisture

1. Submit letter from primary materials manufacturer indicating approval of products not

2. Include statement that materials are compatible with adjacent materials proposed for use.

square foot) (0.02 liters per second per square meter at 75 Pascals) when tested according to ASTM

7. Connect air and vapor barrier in exterior wall assembly continuously to the air barrier of the roof, to concrete below-grade structures, to windows, curtain wall, storefront, louvers, exterior doors and other intersection conditions and perform sealing of penetrations, using accessory materials and in accordance with the manufacturer's recommendations 8. At changes in substrate plane, provide transition material (bead of sealant, mastic, extruded silicone sealant, membrane counterflashing or other material recommended by manufacturer) under membrane to eliminate all sharp 90 degree inside corners and to make a smooth transition 9. Provide mechanically fastened non-corrosive metal sheet to span gaps in substrate plane and to make a smooth transition from one plane to the other. Membrane shall be continuously supported by substrate or as recommended by the manufacturer. 10. At through-wall flashings, provide an additional 6 inch wide strip of manufacturer's recommended membrane counterflashing to seal top of through-wall flashing to membrane or as recommended by manufacturer. Seal exposed top edge of strip with bead of mastic or as recommended by 11. Do not allow materials to come in contact with chemically incompatible materials 12. Do not expose membrane to sunlight longer than as recommended by the manufacturer 13. Inspect installation prior to enclosing assembly and repair punctures, damaged areas and inadequately lapped seams with a patch of membrane lapped as recommended by manufacturer A. Protect air and vapor barrier assemblies from damage during application and remainder of construction period, according to manufacturer's written instructions B. Coordinate with installation of materials which cover air and vapor membrane, to ensure

> manufacturer SECTION 07280 - WATER RESISTIVE BARRIERS

> > PERFORMANCE REQUIREMENTS

MANUFACTURERS

SUMMARY

GENERAL

1.1

E2178, and a vapor permeance of 0.1 perms or less when tested according to ASTM E96 B. Assembly shall perform as a liquid drainage plane flashed to discharge condensation or water

Provide all work associated with the installation of water-resistant fluid applied air and vapor

Material Performance: Provide materials which have an air permeance not to exceed 0.004

cubic feet per minute per square foot under a pressure differential of 0.3 in. water (1.57 pounds per

square foot) (0.02 liters per second per square meter at 75 Pascals) when tested according to ASTM

penetration to the exterior. Assembly shall accommodate movements of building materials by providing expansion and control joints as required, with accessory air and vapor seal materials at such locations, changes in substrate and perimeter conditions.

Assembly shall be capable of withstanding positive and negative combined design wind, fan and stack pressures on the envelope without damage or displacement, and shall transfer the load to the structure 2. Assembly shall not displace adjacent materials under full load

assemblies, allowing for the relative movement of assemblies due to thermal and moisture variations and creep, and anticipated seismic movement

3. Assembly shall be joined in an airtight and flexible manner to the air barrier material of adjacent SUBMITTALS

Submit product data for each product 1. Submit letter from primary materials manufacturer indicating approval of products not

SUMMARY

barrier in exterior wall assemblies

PERFORMANCE REQUIREMENTS

manufactured by primary manufacturer 2. Include statement that materials are compatible with adjacent materials proposed for use

1.3 SUBMITTALS A. Submit product data for each product used A. Provide a ten (10) year manufacturer warranty on all materials installed PRODUCTS

C. Clean spillage and soiling from adjacent construction using cleaning agents and procedures

A. Provide all work associated with the installation of water resistive barriers in exterior wall

ASTM E1677. ≤0.04 cfm/ft2 at 75 Pa, when tested in accordance with ASTM E2357

B. Water Vapor Transmission: 28 perms, when tested in accordance with ASTM E96, Method B.

C. Water Penetration Resistance: Minimum 280 cm when tested in accordance with AATCC Test

D. Air Resistance: Air infiltration at >1500 seconds, when tested in accordance with TAPPI Test

E. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84.

A. Air Penetration: 0.001 cfm/ft2 at 75 Pa, when tested in accordance with ASTM E2178. Type I per

recommended by manufacturer of affected construction and acceptable to the primary material

A. Provide water resistive barriers and accessories from one of the following manufacturers: Dupont (Tyvek) Owens Corning VaproShield 4. Dow MATERIALS Basis of Design: Spunbonded polyolefin, non-woven, non-perforated, weather barrier is based upon DuPont™ Tyvek® CommercialWrap® and related assembly components B. PHYSICAL REQUIREMENTS 1. Basis Weight: Minimum 2.7 oz/yd2, when tested in accordance with TAPPI Test Method T-410 2. Tensile Strength: Minimum 38/35 lbs/in., when tested in accordance with ASTM D882, Method A 3. Tear Resistance: 12/10 lbs., when tested in accordance with ASTM D1117 ACCESSORIES A. Provide and install accessories as required by manufacturer to guaranty a weather tight barrier over exterior sheathing EXECUTION **EXAMINATION** Verify substrate and surface conditions are in accordance with weather barrier manufacturer recommended tolerances prior to installation of weather barrier and accessories

INSTALLATION Install weather barrier Install in accordance with manufacturer's instruction over exterior sheathing. Seal joints and penetrations through weather resistant barrier with specified tape and fasteners prior to installation of finish material. Air infiltration barrier shall be air-tight and free from holes, tears, and punctures. All window and door penetrations are to be taped per manufacturer instruction.

SECTION 07412 - EXTERIOR COMPOSITE ALUMINUM WALL PANELS GENERAL Minimum performance requirements for the Composite Aluminum Wall Panel System installed SUBMITTALS Submit product data for each product Submit samples

C. Submit shop drawings WARRANTIES A. Provide manufacturer's standard and material warranty that the panels will not delaminate for no less than five (5) years Provide manufacturer's standard and material warranty of no less than twenty (20) years for the

PRODUCTS MANUFACTURERS Provide Composite Aluminum Wall Panels manufactured with aluminum sheet alclad alloy 3003 or 3004 per ASTM B209, with temper to suit forming operations by one of the following: Alucobond

Southern Aluminum Finishing Company Petersen Aluminum Co. 4. Citadel Architectural Products MATERIALS

A. General: Wall panels shall be of sizes, thickness, color, and system types as shown on drawings B. Composite Panel Thickness: Achieve a minimum thickness of 0.12 inches (3mm) Bond Integrity: There shall be no evidence of delaminating when the panels are tested by

simulating 2 million cycles of positive and negative pressurization L/180. Test must be performed by a third party independent testing agency. Finish Type: Refer to Finish Schedule for color. Unless otherwise noted on the drawings the

finish type shall be factory applied and as follows: Exterior Locations: a. Kynar 500, per AAMA 2605 b. Anodized Architectural Aluminum, Class I Clear/Class I Color, per AAMA Specification

Interior Locations a. Baked Enamel, per AAMA 2603 Anodized Architectural Aluminum, Class II Clear/Class II Color, per AAMA Specification

Fasteners: Galvanized Self-tapping screws, bolts, nuts, self-locking rivets and bolts, end-welded studs, and other suitable fasteners designed to withstand design loads. All fasteners to be concealed.

FIRE PERFORMANCE Surface Burning: ASTM E84, have a flame spread index of less than 25 and a smoke developed

Fire Endurance: ASTM E119, Maintain fire resistance rating of known rated walls SYSTEM PERFORMANCE Water Penetration: ASTM E331, No water penetration after 2 hrs at 299 Pa (6.24 PSF)

B. Air Infiltration: ASTM 283-73, Air infiltration shall not exceed .03 cfm per square foot when tested as a static pressure of 1.56 psf (equivalent to 25MPH wind)

Wind Load: System must withstand negative and positive wind load as required by local code and shall be within the limits as specified by AISC and ACI as measured per ASTM E330

All structural systems and support systems shall be inspected for proper alignment and tolerances. Building tolerances shall be within those limits specified by AISC or ACI INSTALLATION

EXECUTION

INSPECTION

A. Comply with panel fabricator and material manufacturer's instructions and recommendations for installation. Anchor panels and other components of the work securely in place with provisions for thermal/structural movement. 1. Field cutting of exterior panels is not permitted

2. Install panels with concealed fasteners Install waterproofing and flashing to prevent air and moisture penetration. Install gaskets, joint

fillers and sealants where indicated and where required for weatherproof performance of panel system. Provide types of gaskets and sealants fillers indicated or, if not indicated, types recommended by panel manufacturer.

SECTION 07541 - POLYVINYL CHLORIDE (PVC) MEMBRANE ROOFING

PERFORMANCE CRITERIA

 GENERAL WORK INCLUDED A. PVC Adhered membrane roofing system. Base Sheet.

> General: Installed roofing membrane and base flashing systems shall remain watertight; and resist specified wind uplift pressures, thermally induced movement, and exposure to weather without Material Compatibility: Roofing materials shall be compatible with one another under conditions of service and application required, as demonstrated by roofing system manufacturer based on

Wind Uplift Performance: Roofing system shall be identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist wind uplift pressure calculated in accordance with ASCE-7.

SUBMITTALS Product Data: Manufacturer's product data sheets for each product to be provided.

Maintenance Data: Refer to manufacturer's latest published documents

roofing membrane. 2. Verify field strength of seams a minimum of twice daily and repair seam sample areas.

3. Remove and repair any unsatisfactory sections before proceeding with Work.

membrane in place with clamping ring. Install roofing membrane and auxiliary materials to tie in to existing roofing.

WALKWAY INSTALLATION

adhesive and heat weld walkway products to substrate according to roofing system manufacturer's written instructions. - PVC B. Roof-Paver Walkways: Install walkway roof pavers according to manufacturer's written

adjacent roof pavers.

A. Testing Agency: Owner will engage a qualified independent testing and inspecting agency to perform roof tests and inspections and to prepare test reports.

Repair or remove and replace components of roofing system where test results or inspections indicate that they do not comply with specified requirements.

SECTION 07620 - FLASHING AND SHEET METAL

1.1 WORK INCLUDED A. Provide flashing and accessories as required for complete weather tight installation of exterior envelope assemblies

B. The information in this section is intended for general flashing products and does not override flashing requirements described in other sections

PERFORMANCE

1. Impervious to moisture penetration

4. Formability so that the flashing can be worked to the correct shape and retain this shape after SUBMITTALS 1.3

A. Submit product data for each product used noting the application and location for each product as part of the submittal QUALITY ASSURANCE

 Sheet Metal and Air Conditioning Contractors National Associations, Inc. 2. NRCA Roofing Manuals, latest version

and color as sheet membrane. 3. Bonding Adhesive: Manufacturer's standard bonding adhesive for membrane, and solvent-based WARRANTIES bonding adhesive for base flashings.

4. Slip Sheet: Manufacturer's recommended slip sheet, of type required for application. 5. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, termination reglets, cover

2. Sheet Flashing: Manufacturer's sheet flashing of same material, type, reinforcement, thickness,

strips, sealants, and other accessories. WALKWAYS 2.3

Flexible Walkways: Factory-formed, nonporous, heavy-duty, slip-resisting, surface-textured walkway pads sourced from membrane roofing system manufacturer. EXECUTION

C. Guarantees: Special guarantees specified in this Section.

source roofing system manufacturer issuing the guarantee.

A. Installer Qualifications: Qualified firm that is approved, authorized, or licensed by roofing system

C. Testing Agency Qualifications: Independent testing agency with the experience and capability to

D. Source Limitations: Obtain all components from the single source roofing system manufacturer

guaranteeing the roofing system. All products used in the system shall be labeled by the single

E. Fire-Test-Response Characteristics: Roofing materials shall comply with the fire-test-response

[FMG], or another testing and inspecting agency acceptable to authorities having jurisdiction.

characteristics indicated as determined by testing identical products per test method below by UL,

Materials shall be identified with appropriate markings of applicable testing and inspecting agency.

1. Exterior Fire-Test Exposure: Class <u>C</u> ASTM E 108, for application and roof slopes indicated.

2. Fire-Resistance Ratings: ASTM E 119, for fire-resistance-rated roof assemblies of which roofing

A. Provide manufacturer's system guarantee equal to Johns Manville's Peak Advantage No Dollar

1. Single-Source special guarantee includes roofing plies, base flashings, liquid applied flashing,

roofing membrane accessories, [roof insulation], [fasteners], [cover board], [substrate board],

[vapor retarder], [walkway products], [manufacturer's expansion joints], [manufacturer's edge

metal products], and other single-source components of roofing system marketed by the

Installer's Guarantee: Submit roofing Installer's guarantee signed by Installer, covering Work of

this Section, including all components of roofing system, for the following guarantee period:

A. PVC Sheet: ASTM D 4434, Type III, fabric reinforced that contains KEE (Elvaloy) to reduce

plasticizer migration. Basis of Desithri:PVC, Duro-Last, Carlisle, or architect pre approved equal

1. If the membrane does not contain KEE, then a post installation coating is required to mitigate

2. Certification, by letter, stating that the formulation has a minimum 15 years of performance

4. Minimum three-year aged solar reflectance of 0.55 and three-year aged thermal emittance of 0.75

A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and

1. Liquid-type auxiliary materials shall meet VOC limits of authorities having jurisdiction

2. Guarantee Period: 15 years from date of Substantial Completion.

1. Guarantee Period: Five Years from date of Substantial Completion.

B. Manufacturer Qualifications: Qualified manufacturer that has UL listing for roofing system

conduct the testing indicated, as documented in accordance with ASTM E 548.

manufacturer to install manufacturer's product and is eligible to receive the specified manufacturer's

1.4 QUALITY ASSURANCE

identical to that used for this Project.

system is a part.

Limit Roofing System Guarantee.

manufacturer.

2.1 Polyvinyl-Chloride Roofing Membrane - PVC

plasticizer migration..

history in North America.

2.2 AUXILIARY Roofing Materials - Single Ply

compatible with membrane roofing.

3. Thickness: 60 mils (1.52 mm), nominal

1.5 GUARANTEES

PRODUCTS

3.1 EXAMINATION A. Examine substrates, areas, and conditions for compliance with requirements affecting performance of roofing system. B. Proceed with installation only after unsatisfactory conditions have been corrected. 3.2 PREPARATION

A. Clean and remove from substrate sharp projections, dust, debris, moisture, and other substances detrimental to roofing installation in accordance with roofing system manufacturer's written

B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction.

C. Prime surface of concrete deck with asphalt primer at a rate recommended by roofing manufacturer and allow primer to dry. Proceed with installation only after unsatisfactory conditions have been corrected.

ROOFING MEMBRANE INSTALLATION, GENERAL Install roofing membrane in accordance with roofing system manufacturer's written instructions, applicable recommendations of the roofing manufacturer and requirements in this Section.

B. Start installation of roofing membrane in presence of roofing system manufacturer's technical

C. Where roof slope exceeds 1/2 inch per 12 inches (1:24, contact the membrane manufacturer for

installation instructions regarding installation direction and backnailing D. Cooperate with testing and inspecting agencies engaged or required to perform services for

installing roofing system. E. Coordinate installing roofing system so insulation and other components of the roofing membrane system not permanently exposed are not subjected to precipitation or left uncovered at the

end of the workday or when rain is imminent. 3.4 ADHERED ROOFING MEMBRANE INSTALLATION

Install roofing membrane over area to receive roofing in accordance with membrane roofing system manufacturer's written instructions. Unroll roofing membrane and allow to relax before 1. Install sheet in accordance with ASTM D 5036 and roofing system manufacturer's written

B. Start installation of roofing membrane in presence of membrane roofing system manufacturer's technical representative.

Accurately align roofing membrane and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps. Bonding Adhesive: Apply solvent-based bonding adhesive to substrate and underside of roofing membrane at rate required by manufacturer and allow to partially dry before installing roofing

membrane. Do not apply bonding adhesive to splice area of roofing membrane. E. Bonding Adhesive: Apply water-based bonding adhesive to substrate at rate required by

manufacturer and immediately install roofing membrane. Do not apply bonding adhesive to splice area of roofing membrane. F. Urethane Membrane Adhesive: Apply 2-Part Urethane Adhesive substrate at rate required by manufacturer and install fleece-backed roofing membrane. Do not apply bonding adhesive to splice

Mechanically fasten roofing membrane securely at terminations, penetrations, and perimeter of

H. Apply roofing membrane with side laps shingled with slope of roof deck where possible. I. Adhesive Seam Installation: Clean both faces of splice areas, apply splicing cement, and firmly

roll side and end laps of overlapping roofing membranes according to manufacturer's written instructions to ensure a watertight seam installation. Apply lap sealant and seal exposed edges of roofing membrane terminations.

1. Apply a continuous bead of in-seam sealant before closing splice if required by membrane roofing system manufacturer.

J. Seams: Clean seam areas, overlap roofing membrane, and hot-air weld side and end laps of roofing membrane according to manufacturer's written instructions to ensure a watertight seam

1. Test lap edges with probe to verify seam weld continuity. Apply lap sealant to seal cut edges of

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related documents shall not be

duplicated, disclosed or otherwise

dimensions and conditions at the job

4. Repair tears, voids, and lapped seams in roofing membrane that do not meet requirements.

K. Spread sealant or mastic bed over deck drain flange at deck drains and securely seal roofing

Proceed with installation only after unsatisfactory conditions have been corrected.

Flexible Walkways: Install walkway products in locations indicated. Adhere with compatible

instructions in locations indicated, to form walkways. Leave 3 inches (75 mm) of space between C. Proceed with installation only after unsatisfactory conditions have been corrected.

FIELD QUALITY CONTROL

B. Final Roof Inspection: Arrange for roofing system manufacturer's Registered Roof Observer (RRO) to inspect roofing installation on completion and submit report to Architect.

GENERAL

A. All flashing materials must possess the following properties:

2. Resistant to corrosion caused by exposure to the atmosphere or by caustic materials in adjacent

3. Resistant to puncture, abrasion and other damage during installation

A. Conform to the most stringent of the recommendations of the following publications except as

A. Provide a three (3) year warranty covering flashing assemblies for water tightness and from PRODUCTS METAL FLASHING

1. Aluminum is subject to attack by the caustic alkalis present in fresh, in hardened mortar. Dry seasoned mortar will not affect aluminum however corrosion can occur is the adjacent mortar becomes wet. Therefore aluminum should not be used by itself as masonry or stone wall flashing. If aluminum must be used it must be coated complete to protect it from contact with mortar]

A. Aluminum Sheet Metal: ASTM B209, Alloy 3003 with a thickness greater than 0.019 inches thick and have a 16,000 psi tensile strength

B. Extruded Aluminum: ASTM B221, Alloy 6063 1. Base, valley, gable end, other flashings, gravel stops, downspouts, and some other flashings should weigh between 20 and 24oz/sg. ft depending upon their use. Consult the Copper Development Association's CDA publication "Copper, Brass, Bronze Design Handbook, Sheet Copper Applications"]

C. Sheet Copper: ASTM B37, with a weight greater than 16oz/sq. ft. Galvanized sheet steel will corrode when in contact with fresh mortar and may even corrode when in contact with cured mortar. Therefore it should not be used in masonry or stone when possible. If galvanized sheet steel must be used than it should be

Galvanized sheet steel will also eventuality corrode when in contact with air unless coated with a bituminous coating or paint]

D. Galvanized Sheet Steel: ASTM A653, with a thickness greater than 0.0396 inches Stainless steel used for masonry wall flashing should be ASI Type 304 with a No. 2B finish. It should be specified by number

and not the generic term alone.] E. Stainless Sheet Steel: AISI Type 302/304, ASTM A666, with a thickness greater than 0.0156

inches with a 2B finish F. All metals to arrive to the job site with a factory finish in the color that is specified on the contract documents

FLEXIBLE FLASHING A. Concealed Though-Wall Flashing: Combination Sheet flashing consisting of at least one (1) 7oz copper sheet laminated between 2 layers of bituminous impregnated Kraft paper or saturated fabric

ACCESSORIES

Solder: Use solder conforming to ASTM B32 that is compatible with the metal being installed

B. Fasteners: Noncorrosive metal compatible and in the same finish as the metal being installed

Asphalt Mastic: SSPC-Paint 12, asbestos free, solvent type D. Mastic Sealant: Polyisobutylene; non-hardening, non-skinning, non-drying, non-migrating sealant

Elastomeric Sealant: As specified by "Section - Joint Sealants & Joint Fillers" F. Epoxy Seam Sealer: 2 part noncorrosive seam cementing compound compatible with the

flashing material being installed G. Adhesives: Type recommended for waterproof and weather resistant seaming and adhesion

H. Clips, Straps, Anchoring Devices, and Similar Accessories: Noncorrosive metal compatible with the metal being installed Paper Slip Sheet: 5lb/square red rosin, sized building paper conforming to FS VV-B-790, Type I,

EXECUTION INSPECTION

Verify that substrates are smooth and clean to extent needed for flashing work Verify that cants and blocking to receive flashing material are installed and free of concrete and

C. Do not start flashing work until conditions are satisfactory INSTALLATION A. Install work water-tight, without waves, warps, buckles, fastening stresses or distortion, allowing

for expansion and contraction B. Install pre-manufactured sheet metal systems in compliance with manufacturer's ecommendations, except where more stringent requirements are specified herein

C. Protect metals from galvanic action of dissimilar materials

D. Protect materials from deterioration or corrosion caused by exposure to caustic materials in adjacent materials

E. Hem all exposed Edges F. Angle bottom edges of exposed vertical surfaces to form drips

G. Provide a 4 inch minimum over lap when splicing flashing materials

SECTION 07811 - SPRAY FIRE-RESISTIVE MATERIALS

 GENERAL WORK INCLUDED

A. Furnish and install sprayed-fiber and cementitious sprayed fire-resistive materials

Drawing Title SPECIFICATION

Job No.

Sheet No.

204530 08/19/2021

1. Cementitious Sprayed Fire-Resistive Material: a. Carboline Co, Fireproofing Products Div b. Grace & Co Conn, Construction Products Div c. Isolatek International Corp, Cafco Products 2. Sprayed-Fiber Fire-Resistive Material:

a. Isolatek International Corp, Cafco Products ACCESSORIES 2.2

General: Provide auxiliary fire-resistive materials that are compatible with sprayed fire-resistive materials and substrates and are approved by UL or of another testing and inspecting agency acceptable to authorities having jurisdiction for use in fire-resistive designs indicated

EXECUTION 3.1 INSTALLATION: GENERAL

A. Comply with fire-resistive material manufacturer's written instruction for mixing materials application procedures and types of equipment used to convey and spray on fire-resistive material, as applicable to particular conditions of installation and as required to achieve fire-resistance ratings

B. Cover other work subject to damage from fall out or over spray of fire-resistive materials during application Provide temporary enclosures as required to confine spraying operations, protect the environment, and ensure maintenance of adequate ambient conditions of temperature and ventilation

Apply fire-resistive material in thicknesses and densities indicated, but not less than those required to achieve fire-resistance ratings designated on contract documents Where sealers are used, apply products that are tinted to differentiate them from the sprayed

fire-resistive material over which they are applied FIELD QUALITY CONTROL Testing Agency: Contractor will engage a qualified independent testing and inspecting agency to

perform field tests and inspections and to prepare test reports 1. Testing and inspecting agency will interpret tests and state in each report whether tested work

complies with or deviates from requirements B. Testing and inspecting of completed applications of sprayed fire-resistive material will take place in successive stages, in areas of extent and using methods as follows: Do not proceed with application of fire-resistive material for the next area until test result for previously completed applications of fire-resistive material show compliance with requirements

C. Remove and replace applications of fire-resistive material where test results indicate that they do not comply with specified requirements of cohesion and adhesion or for density & thickness, or both

CLEANING AND PROTECTION A. Cleaning: Immediately after completing spraying operations in each containable area of Project, remove material overspray and fallout from surfaces of other construction and clean exposed

surfaces to remove evidence of soiling B. Cure exposed cemetitious sprayed fire-resistive material according to product manufacturer's

written recommendations to prevent premature drying

C. Repair or replace work that has not been successfully protected

SECTION 07842 - FIRE RESISTIVE JOINT SYSTEMS GENERAL 1.1

A. This section contains general performance criteria for fire resistive joint systems for this project

QUALITY ASSURANCE

A. Fire resistive system installation must meet requirements of ASTM E814, UL 1479 or UL 2079 For those fire resistive joint applications that exist for which no UL tested system is available

through a manufacturer, a manufacturer's engineering judgment derived from similar UL system designs or other tests will be submitted to local authorities having jurisdiction for their review and approval prior to installation Engineer judgment drawing must follow requirements set forth by the International Fire Stop Council

PRODUCTS 2.1 GENERAL

Provide fire resistive system composed of components that are compatible with each other, the substrates forming openings, and items, if any, penetrating the fire resistive system under conditions of service application, as demonstrated by the fire resistive system manufacturer based on testing and flied experience

B. Use only components specified by the fire resistive system manufacturer and approved by the qualified testing agency for designated fire-resistance -rated systems

MANUFACTURERS

Manufacturers are subject to compliance with through penetrations fire stop systems (XHEZ) and joint systems (XHBN) listed in Volume II of the UL Fire Resistance Directory for all systems and products provided

MATERIALS

A. Use only fire resistive products that have been UL 1479, ASTM E814, or UL 2079 tested for specific fire-rated construction conditions conforming to construction assembly type, penetrating item type, annular space requirements, and fire-rating involved for each separate instance

B. Provide a fire resistive system with an "F" rating as determined by UL 1479 or ASTM E814 which

is equal to the time rating of construction being penetrated Provide a fire resistive system with an assembly rating as determined by UL 2079 which is equal to the time rating of construction being penetrated

EXECUTION INSTALLATION

Install fire resistive materials in accordance with the UL Fire Resistance Directory & manufacturer's instructions for installation of through-penetration and construction join materials

SECTION 07920 - JOINT SEALANTS & JOINT FILLERS

 GENERAL SUMMARY

Provide sealants and caulking materials indicated on contract drawings and described in the contract specifications

PERFORMANCE REQUIREMENTS

A. Provide sealants and caulking material in joints fitting descriptions and locations listed below and complying with C920

1. Joints on exterior of building and joints on interior of building in horizontal (traffic) surfaces such as: concrete, metal, mortar & concrete to precast concrete: Multi-Part Pourable Urethane

2. Exposed metal to metal joints: One-Part Non-Acid Curing Silicone 3. Joints on interior of building in vertical and overhead surfaces, top of partitions, unless otherwise indicated, and joints subject to maximum movement of plus or minus 12.5 percent: Acrylic

4. Non-moving joints on interior of building in vertical and overhead surfaces at perimeter of elevator door frames, hollow metal door frames, and other metal frames, gypsum drywall, and other interior locations, unless otherwise indicated: Acrylic-emulsion

5. Joints in Toilet Rooms and other wet areas, and perimeter of hot pipes through non-fire-rated floors or walls: One-Part Mildew-Resistant Silicone

6. Acoustical Sealant: Concealed acoustical sealed joints in interior partition construction and at perimeter of interior partition which abut other materials: 7. Acoustical non-drying, non-hardening, non-skinning, non-staining, gunnable synthetic rubber

sealant recommended for sealing interior concealed joints to reduce transmission of airborne B. Joint Seals and Fillers: Provide the following joint seals and fillers:

1. Joint fillers in exterior concrete paving

Reticulated filter foam 3. Cellular foam fillers for non-fire-rated interior drywall partitions

Provide warranty that the exterior sealant installation will remain weather tight or will not lose adhesion to its sealed surfaces for a period of five (5) years

PRODUCTS

MATERIALS, MISCELLANEOUS A. Compatibility: Provide sealants, joint fillers and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience

B. Standard Colors: Provide color of exposed joint sealers as selected by Architect from manufacturer's standard color

General: Provide sealant backings of material and type which are non-staining and are compatible with joint substrates, sealants, primers and other joint fillers

EXECUTION INSTALLATION

SECTION 08110 - HOLLOW METAL DOORS AND FRAMES

Submit shop drawings, samples and product data

Manufacturers, NAAMM, as set forth in these specifications

surface defects. Face sheets shall not be less than 18 gauge.

1. The testing specimen shall be a 3'-0" x 7'-0" normal size 1 3/4" door

SUMMARY

SUBMITTALS

the manufacturer

QUALITY ASSURANCE

HOLLOW METAL DOORS

doors (1,000,000 cycles)

HOLLOW METAL FRAMES

requires maximum pressure of 300lbs

860 and conform to the requirements of SDI-100

860 and with the following additional requirements

Refer to wall thickness for throat thickness

for 200 hours and which is fully cured prior to shipment.

B. All doors and frames to be field painted. Refer to Door Schedule for color.

FINISHING REQUIREMENTS

EXECUTION

INSTALLATION

Refer to Door Schedule for types, size, and finish of frame

GENERAL

PRODUCTS

Surface Cleaning of Joints: Clean out joints immediately before installing joint sealers to comply with recommendations of joint sealer manufacturer

B. Joint Priming: Prime joint substrates where indicated or where recommended by joint sealer manufacturer based on preconstruction joint sealer-substrate tests or prior experience

This section includes performance criteria for work and material for hollow metal doors and

Manufacturer Qualifications: Minimum 5 years' experience in manufacturing similar systems

Fabrication methods and product quality shall meet the standards set by the Hollow Metal

Interior doors shall be made of commercial quality, level cold rolled steel conforming to ASTM

A366, or hot rolled, pickled and oiled steel conforming to ASTM A569 and free of scale, pitting or

constructed in accordance with The Performance test for Steel Doors and Hardware Reinforcing's

2. The specimen shall be tested in a accordance with the ANSI A 151.1 procedure for the level A

3. The specimen shall be tested in accordance with the ANSI A151.1 procedure for twist test which

Doors shall be designed and constructed per the recommendations NAAMM Standard HMMA

A. Interior Openings: Frames shall be, either commercial grade cold-rolled steel conforming to

thickness shall be not less than 16 gauge for frames that receive hollow metal doors.

ASTM A366 or commercial grade hot-rolled and pickled steel conforming to ASTM A569. Metal

Frames shall be designed and constructed per the recommendations NAAMM Standard HMMA

After fabrication, all tool marks and surface imperfections shall be removed, and exposed faces

adhesion and shall be coated on all accessible surfaces with a rust inhibitive primer which meets or

exceeds ASTM B117 salt spray for 150 hours, and ASTM D1735 water fog test for organic coatings

of all welded joints shall be dressed smooth. Frames shall be treated to insure maximum paint

A. Store and protect material according to the recommendations of NAAMM Standard HMMA 860

B. Refer to door schedule for types, sizes, and finish of doors to be provided and shall as be

Manufacturers Associations, HMMA, a Division of the National Association of Architectural

Installer Qualifications: Minimum 2 years' experience installing similar systems and acceptable to

Masking Tape: Use masking tape to prevent contact of sealant with adjoining surfaces Install all materials as recommended by manufacture for application and materials indicated

B. Door Frames: Self-mortising, non-handed, and reversible. Throat openings as required. All fasteners concealed except in finish hardware. Windows / Frames: Factory fabricated and complete per manufacturer's standard extrusion

details. Coordinate with glass provided as work of another specification section. D. Reinforcement: Reinforce frames for field-installed exposed hardware items. Provide frames

B. Prior to installation all frames must be checked and corrected for size, swing, squareness,

D. Any grout or other bonding material shall be cleaned off the frames or doors immediately

C. Plaster guards and junction boxes are intended to protect hardware mortises and tapped holes

from masonry grout of 4" maximum slump consistency which is hand troweled in place. If a light

consistency grout (greater than 5" slump) is to be used, special precautions must be taken in the field

following installation. Hollow metal surfaces shall be kept free of grout, tar, or other bonding material

E. Maintain proper clearances and tolerances as defined by recommendations of NAAMM Standard

F. Exposed field welds shall be ground smooth and touched up with a rust inhibitive primer prior to

A. Manufacturer Qualifications: Minimum 5 years' experience in manufacturing similar systems

B. Installer Qualifications: Minimum 2 years' experience installing similar systems and acceptable to

A. Submit a written three (3) year manufacturer's warranty executed by the manufacturer agreeing

1. Structural failures including excessive deflection, excessive leakage or air circulation

3. Deterioration of metals, metal finishes and other materials beyond normal weathering

A. Aluminum for framing members and door: Alloy and temper recommended by the manufacturer

for strength, corrosion resistance, and application of required finish indicated, complying with the

A. Door Frames: Provide tubular and channel frame entrance door frame assemblies, as indicated,

with welded or mechanical joints in accordance with manufacturer's standards. Reinforce as

B. Stile and Rail Type Doors: Provide tubular frame members, fabricated with mechanical joints

1. Door Glazing: Fabricate doors to facilitate replacement of glass or panels, without disassembly

of stiles and rails. Provide snap-on extruded aluminum glazing stops, with exterior stops

2. Door Design: Provide 1-3/4 inch thick doors of design indicated. Provide ADA compliant bottom

C. Door Hardware: Refer to "Section 08710 - Door Hardware" and the Hardware Schedule in the

Exterior Framing System: Provide inside-outside matched resilient flush-glazed storefront

framing system with provisions for glass replacement. Shop-fabricate and preassemble frame

F. Weather-Stripping: For exterior doors and where indicated, EPDM or vinyl blade gasket

G. At interior doors and other locations without weather-stripping, provide neoprene silencers on

A. General: Factory-fabricate assemblies to greatest extent possible, assuring that installed units

weather-stripping in bottom door rail, adjustable for contact with threshold

will be without warp, twist, bow, or other defect in appearance or function

using heavy inserted reinforcing plates and concealed tie rod or j-bolts

to repair or replace units that fail in materials or workmanship with in the specified warranty period.

A. This section contains performance criteria for aluminum doors and frames

A. Submit shop drawings, samples and product data

alignment, twist and plumbness

SECTION 08125 - ALUMINUM DOORS AND FRAMES

GENERAL

1.1 SUMMARY

1.2 SUBMITTALS

1.3 QUALITY ASSURANCE

the manufacturer

PRODUCTS

MATERIALS

WARRANTY

Failures included but are not limited to:

requirements of the standards indicated below:

3. Extruded Structural Pipe and Tubes: ASTM B429

Sheets and Plate: ASTM B209

ALUMINUM DOORS

2. Aluminum Extrusions: ASTM B221

necessary to support required loads.

anchored for non-removal.

components where possible.

FABRICATION

E. Thermally Broken, Framing Systems

stops to prevent metal-to-metal contact

3. Exterior Doors are to be thermally broken

by the installation contractor to protect the aforementioned.

non-handed, Self-Mortising and Reversible, for placement of Hinges and Strike Plates in the field. E. Thermal-Break Construction: Fabricate exterior door and framing systems with integrally

concealed, low conductive thermal barrier, located between exterior materials and exposed interior members to eliminate direct metal-to-metal contact. Use manufacturer's standard construction that has been in use for similar projects for period of not less than 3 years.

FINISHES

A. Finish all exposed aluminum with manufacturer's standard system in the finishes described in the contract drawing complying with the following performance standards:

1. Interior Pigmented Organic Coating: Baked Enamel compliant with the performance standards set forth in AAMA 2603 2. Exterior High Performance Organic Coating: 50% Kynar 500/Hylar 5000 compliant with the

performance standards set forth in AAMA 2604

3. Exterior High Performance Andoic Finish: Class I anodized architectural aluminum compliant with the performance standards set forth in AAMA 611

4. Interior / Light Exterior Anodic Finish: Class II anodized architectural aluminum compliant with the performance standards set forth in AAMA 611

EXECUTION INSTALLATION

A. Install in accordance with manufacturer's instructions B. General: Install aluminum frames and accessories to comply with manufacturer's

recommendations C. Comply with detailed installation requirements of final shop drawings

D. Frame Installation: 1. General: Adhere to manufacturer's recommendations

2. Place pre-finished frames after wall finishing is complete, braced securely to achieve plumb, planar installation. Remove braces after anchorages have achieved final set, leaving frames in smooth, undamaged condition. 3. Anchors: Use screws, per manufacturer's standard installation instruction, for secure attachment

to wall conditions PROTECTION After installation, adequately protect from damage by grinding and polishing machines, plaster, lime, acid, cement or other harmful compounds per the recommendations of the manufacturer

A. Remove protective materials and clean materials per the manufacturer's recommendations, being careful to use materials which will not damage frame or glazing material

SECTION 08211 - WOOD DOORS GENERAL

1.1 WORK INCLUDED A. Provide interior flush solid core, exterior flush solid core and stile and rail doors as indicated on

the contract drawings and in these specifications 1.2 SUBMITTALS A. Submit project data for each type of product

Submit shop drawings indicating location, size, and elevation of kind of door including construction details location and extent of hardware blocking and cutouts

C. Submit samples of finished wood product QUALITY ASSURANCE

Wood Flush Doors: Conform to requirements of NWWDA Standard I.S.1-A

Stile and Rail Doors: Conform to requirements of NWWDA Standard I.S.6 Manufacture: Obtain doors from a single manufacturer

Wood products and assemblies must not contain any urea-formaldehyde resins DELIVERY STORAGE AND HANDLING

Door Protection: Protect Doors during transit, storage and handling to prevent damage, soiling, and deterioration. Comply with requirements of referenced standards and manufacturer's instructions.

Doors shall be stored on leveled supports. Protect all door faces. Protect all doors from exposure to light.

All doors shall be inspected by contractor for color match, face grade and visual defects prior to

A. Provide manufacturer's standard warranty which warrants products for a period of two (2) years after substantial completion from any defects PRODUCTS

DOORS Premium grade is intended for natural or stain finish, standard or custom grade is intended for opaque (paint) finish]

A. Stile and Rail Doors: Provide [premium grade] [standard grade] stile and rail doors in the style,

sizes, and species indicated on the contract drawings conforming to WDMA I.S.6

Use of wood doors on the exterior of a building is not recommended unless the doors are well protected from the weather]

Exterior Flush Solid Core Doors: Provide Type I solid wood core door in the style, sizes, and species indicated on the contract drawings conforming to WDMA I.S.1-A

Interior Flush Solid Core Doors: Provide Type II solid wood core door in the style, sizes, and species indicated on the contract drawings conforming to WDMA I.S.1-A

Fire Doors: Install fire doors in accordance with NFPA 80. Do not paint over labels.

ACCESSORIES & FABRICATION A. Door Louvers: Provide louvers with a minimum of 35 percent free air. Mount louvers on doors

as indicated in the contract drawings. Preservative Treatment: Treat doors scheduled for restrooms, janitor closets and other possible wet locations including exterior doors with a water-repellent preservative treatments at the manufacturer's plant in accordance with WDMA I.S.4

Adhesives and Bonds: In accordance with WDMA I.S.1-A use type I bond for exterior doors and Type II bond for interior doors. Provide a non-staining adhesive on doors with natural finish.

D. Pre-fitting: Provide factory pre-fitted doors for the specified hardware, door frame and door swing indicated. Machine and size doors at the factory by the door manufacturer in accordance with all applicable standards.

EXECUTION **EXAMINATION**

A. Examine door frames after installation and doors prior to their hanging

Verify that frames comply with indicated requirements for type, size, location, and swing characteristics and have been installed with plumb jambs and level heads Reject doors with defects

Do not install doors until unsatisfactory conditions have been corrected INSTALLATION

Install doors to comply with manufacturer's instructions and of referenced standards and as indicated Install fire-rated doors in corresponding fire rated frames in accordance with requirements of

NFPA 80 ADJUSTING AND PROTECTION

Re-hang or replace doors which do not swing to operate freely

Refinish or replace doors damaged during installation damaged at time of Substantial Completion

Protect doors as recommended by door manufacturer to assure that wood doors are without

SECTION 08311 - ACCESS DOORS AND FRAMES

 GENERAL 1.1 SUMMARY A. This Section includes the following:

1. Wall access doors and frames PRODUCTS

MANUFACTURERS Manufacturers: Subject to compliance with requirements, provide access doors by one of the

 J. L. Industries, Inc. Larsen's Manufacturing Company Nystrom Building Products Co

Architect approved equal ACCESS DOORS AND FRAMES Flush Access Doors and Trimless Frames: Fabricated from metallic-coated steel sheet

1. Locations: Gypsum board wall and ceiling surfaces

2. Door: Minimum 0.060 inch thick sheet metal, set flush with surrounding finish surfaces,

complying with ASTM A653 3. Frame: Minimum 0.060 inch thick sheet metal with drywall bead

Hinges: Spring-loaded concealed pin type

5. Latch: Screwdriver-operated cam latch

B. General: Provide access door assemblies manufactured as integral units ready for installation

EXECUTION INSTALLATION

Comply with manufacturer's written instructions for installing access doors and frames

Install access doors with trimless frames flush with adjacent finish surfaces or recessed to receive finish material

SECTION 08411 - ALUMINUM ENTRANCES AND STOREFRONTS

SUMMARY

This section includes description of all work associated with the installation of all aluminum storefronts and aluminum doors and frames as shown on the contract drawings and as specified

SYSTEM PERFORMANCE CRITERIA A. General: Provide aluminum entrance and storefront assemblies that comply with performance characteristics specified, as demonstrated by testing the manufacturer's corresponding stock

assemblies according to test methods indicted. B. Thermal Movement: Design the aluminum entrance and storefront framing systems to provide for expansion and contraction of the component materials without buckling, failure of joint seals, undue stress on structural elements, damaging loads on fasteners, reduction of performance, stress on glass, or other detrimental effects. Entrance doors shall function normally over the specified temperature range.

Temperature change range: Metal surface temperature range of 180 degrees F. Wind loads: Provide aluminum storefront entrance and storefront assemblies capable of

withstanding wind pressures of 40psf inward and 40psf outward acting normal to the plane of the wall. 1. Deflection Normal to the Plane of the Wall: Deflection shall not exceed 1/175 of the clear span, when subjected to uniform load deflection test.

2. Deflection Parallel to the Plane of the Wall: Test pressures shall be equal to 1.5 times the wind pressures specified above. Deflection shall not exceed an amount that will reduce glass bite below 75 percent of the design dimension

a. The clearance between the member and the fixed panel, glass or other fixed members above to less than 1/8 inch

b. The clearance between the member and an operable door or window shall be at least

Structural Performance: Conduct tests for structural performance in accordance with ASTM E330. At the conclusion of these tests there shall be no glass breakage or permanent damage to fasteners, anchors, hardware or actuating mechanism. Framing members shall have no permanent deformation in excess of 0.2 percent of their clear span.

F. Air Infiltration: Provide aluminum entrance and storefront framing system with an air infiltration rate of not more than 0.06 cfm per square foot of fixed area (excluding operable door edges) when tested in accordance with ASTM E283 at an inward test pressure differential of 1.57 psf.

G. Water Penetration: Provide framing systems with no uncontrolled water penetration (excluding operable door edges) as defined in the test method when tested in accordance with ASTM E331 at an inward test pressure differential of 6.24 pounds per square foot.

1.3 SUBMITTALS

A. Submit shop drawings that show complete layout, elevations, key plans, dimension, details of typical member, peripheral conditions, anchorage, and complete hardware information.

B. Submit samples for each finish specified.

Submit product data for each product used.

1.4 QUALITY ASSURANCE A. Subcontractor: The storefront subcontractor shall have been regularly engaged in this work for the past 5 years and employ skilled craftsmen for this work completely familiar with the methods and materials specified. He shall be an approved installer of one of the specified manufacturers, whose materials he proposes to furnish.

B. Manufacturer's Qualifications: Provide aluminum entrances and storefront systems produced by a firm experienced in manufacturing systems that are similar to those indicated for this project and that have a record of successful in-service performance.

C. Single Source Responsibility: Obtain aluminum entrance and storefront systems from one

source and from a single manufacturer. D. Design Criteria: The drawings indicate the size, profile and dimensional requirements of aluminum entrance and storefront works required and are based on the specific types and models indicated. Aluminum entrance and storefront by other manufacturers may be considered, provided deviations in dimensions and profiles are minor and do not change the design concept as judged by the Architect. The burden of proof of equality is on the proposer.

DELIVERY STORAGE AND HANDLING

A. Deliver aluminum entrance and storefront components in the manufacturer's original protective

B. Store aluminum components in a clean dry location away from uncured masonry or concrete.

Cover components with waterproof paper, tarpaulin or polyethylene sheeting in a manner to permit

C. Stack framing components in a manner that will prevent bending and avoid significant or

permanent damage. 1.6 WARRANTY

A. Submit a written three (3) year manufacturer's warranty executed by the manufacturer's agreeing to repair or replace units that fail in materials or workmanship with in the specified warranty period. Failures included but are not limited to:

1. Structural failures including excessive deflection, excessive leakage or air circulation Faulty operation

3. Deterioration of metals, metal finishes and other materials beyond normal weathering PRODUCTS 2.1 MANUFACTURERS

A. Aluminum storefronts and aluminum doors and frames to be comprised from compatible components of one of the following manufacturers unless noted otherwise on the contract documents:

1. Kawneer Company, INC EFCO Corporation Tubelite Architectural Systems

2.2 MATERIALS Aluminum for framing members: Alloy and temper recommended by the manufacturer for strength, corrosion resistance, and application of required finish indicated, complying with the

requirements of the standards indicated below: 1. Sheets and Plate: ASTM B209 2. Aluminum Extrusions: ASTM B221

3. Extruded Structural Pipe and Tubes: ASTM B429 B. Steel Reinforcement: Comply with ASTM A36 fir structural shapes, plates, and bars, ASTM A611 for cold-rolled sheet and strip; or ASTM A570 for hot-rolled sheet and strip.

Fasteners: Provide fasteners of aluminum, nonmagnetic stainless steel, or other materials warranted by the manufacturer's to be noncorrosive and compatible with aluminum components, hardware, anchors and other components. 1. Exposed Fasteners: Except where unavoidable for application of hardware, do not use exposed

fasteners. For the application of hardware, use fasteners that match the finish of member or

hardware being fastened. Provide Phillips flat-head machine screws for exposed fasteners D. Concealed Flashing: Use manufacture's recommended standard corrosion-resistant,

non-staining non-bleeding flashing, compatible with adjacent materials E. Brackets and Reinforcements: Provide manufacturer's recommended standard corrosion-resistant reinforcements that are compatible with adjacent materials. Provide non-staining nonferrous shims for aligning stem components.

F. Concrete and Masonry Inserts: Provide cast iron, malleable iron or hot dip galvanized steel

inserts complying with ASTM A123 G. Compression Weather-Stripping: Manufacturer's standard replaceable compressible weather-stripping gaskets of molded neoprene complying with ASTM C2000 or molded PVC complying with ASTM D2287

H. Sliding Weather-Stripping: Manufacturer's standard replaceable weather-stripping of wool,

as necessary to support required loads.

anchored for non-removal.

polypropylene or nylon woven pile, with nylon fabric or aluminum strip backing, complying with AAMA 2.3 STOREFRONT DOORS Entrance Door Frames: Provide tubular and channel frame entrance door frame assemblies, as indicated, with welded or mechanical joints in accordance with manufacturer's standards. Reinforce

B. Stile and Rail Type Entrance Doors: Provide tubular frame members, fabricated with mechanical joints using heavy inserted reinforcing plates and concealed tie rod or j-bolts 1. Door Glazing: Fabricate doors to facilitate replacement of glass or panels, without disassembly of stiles and rails. Provide snap-on extruded aluminum glazing stops, with exterior stops

2. Door Design: Provide 1-3/4 inch thick doors of design indicated. Provide ADA compliant bottom 3. Exterior Doors are to be thermally broken C. Door Hardware: Refer to the Hardware Schedule in the contract drawings

D. Storefront Framing System: Provide inside-outside matched resilient flush-glazed storefront framing system with provisions for glass replacement. Shop-fabricate and preassemble frame components where possible. 1. Thermally Broken, Framing Systems

E. Weather-Stripping: For exterior doors and where indicated, EPDM or vinyl blade gasket

weather-stripping in bottom door rail, adjustable for contact with threshold F. At interior doors and other locations without weather-stripping, provide neoprene silencers on stops to prevent metal-to-metal contact 2.4 FABRICATION

A. General: Fabricate aluminum entrance and storefront components to designs, sizes and

thicknesses indicated and to comply with indicated standards and manufacturer's specifications. Sizes and profile requirements are indicated on the drawings. B. Pre-Fabrication: Complete fabrication, assembly, finishing, hardware application and other work to the greatest extent possible before shipment to the project site. Disassemble components only as

necessary for shipment and installation. C. Thermal-Break Construction: Fabricate storefront framing systems with integrally concealed, low conductive thermal barrier, located between exterior materials and exposed interior members to eliminate direct metal-to-metal contact. Use manufacturer's standard construction that has been in use for similar projects for period of not less than 3 years.

D. Welding: Comply with AWS recommendations. Grind exposed welds smooth to remove weld spatter and welding oxides. Restore mechanical finish.

E. Welding behind finished surfaces shall be performed in such a manner as to minimize distortion and discoloration on the finished surface.

F. Dissimilar Metals: Separate dissimilar metals with bituminous paint or a suitable sealant or a non-absorptive plastic or elastomeric tape or a gasket between the surfaces. Do not use coatings

G. Fasteners: Conceal fasteners accept as otherwise approved.

FINISHES A. Finish all exposed aluminum with manufacturer's standard system in the finishes described in the contract drawing complying with the following performance standards:

1. Interior Pigmented Organic Coating: Baked Enamel compliant with the performance standards set forth in AAMA 2603 2. Exterior High Performance Organic Coating: 50% Kynar 500/Hylar 5000 compliant with the

4. Interior / Light Exterior Anodic Finish: Class II anodized architectural aluminum compliant with

performance standards set forth in AAMA 2604 3. Exterior High Performance Andoic Finish: Class I anodized architectural aluminum compliant with the performance standards set forth in AAMA 611

the performance standards set forth in AAMA 611 EXECUTION

INSTALLATION

A. Comply with manufacturer's instructions and recommendations B. Install all elements plumb, straight, square and level and at proper elevation and in alignment with other work. All joints between interior metal and masonry and between interior glass framing and mullion members shall be caulked tightly in order to secure a watertight job. All materials shall be screwed in place using backing, masonry plugs or anchor straps as required. Thresholds are to be set in full bed of sealant.

C. Where moldings are joined, they shall be cut and fitted accurately to result in a tightly closed joint D. Metal Protection: Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape recommended by manufacturer for this purpose. Where aluminum will contact concrete protect against corrosion by

E. Adjust doors, windows and hardware to function properly and for tight fit

painting contact surfaces with bituminous paint.

A. Remove protective materials and clean materials per the manufacturer's recommendations,

being careful to use materials which will not damage frame or glazing material

A. After erection, adequately protect from damage by grinding and polishing machines, plaster, lime,

acid, cement or other harmful compounds per the recommendations of the manufacturer

SECTION 08710 - DOOR HARDWARE

GENERAL

SUMMARY A. Section Includes: 1. Door Hardware, including electric hardware

SUBMITTALS A. Submit a hardware schedule and Organize schedule into "Hardware Sets" with index of doors and headings, indicating complete designations of every item required for each door or opening. Include the following information:

1. Type, style, function, size, quantity and finish of hardware items 2. Use BHMA Finish codes per ANSI A156.18

3. Name, part number and manufacturer of each item

4. Fastenings and other pertinent information 5. Location of hardware set coordinated with floor plans and door schedule

6. Explanation of abbreviations, symbols, and codes contained in schedule 7. Mounting locations for hardware

8. Door and frame sizes, materials and degrees of swing

9. List of manufacturers used and their nearest representative with address and phone number Catalog cuts

11. Manufacturer's technical data and installation instructions for electronic hardware Bid and submit manufacturer's updated/improved item if scheduled item is discontinued

C. Furnish as-built/as-installed schedule with closeout documents, manufacturer's installation, adjustment and maintenance information, and supplier's final inspection report

1.3 QUALITY ASSURANCE: Hardware supplier must be a recognized architectural finish hardware supplier, with warehousing facilities, who has been furnishing hardware in the project's vicinity for a period of not less than 2 years who is or who employs an experienced architectural hardware consultant who is available, at reasonable times during the course of the Work, for consultation about project's hardware

1. Responsible for detailing, scheduling and ordering of finish hardware B. Hardware: New, free of defects, blemishes and excessive play. Obtain each kind of hardware

requirements to Owner, Architect and Contractor

C. Exit Doors: Operable from inside with single motion without the use of a key or special knowledge or effort

(latch and locksets, exit devices, hinges and closers) from one manufacturer.

non-flaming door closers and approved-bearing hinges. Furnish openings complete. E. Pre-Installation Meetings: Prior to start of hardware installation, contractor shall schedule and conduct pre-installation meeting with hardware supplier, lock, exit device, and door closer manufacturers' representative(s), installer and related trades, to coordinate materials and techniques, and sequence complex hardware items and systems installation. Proper and correct installation and adjustment of hardware is to be reviewed, and criteria for punch list review will be established. Convene at least one week prior to commencement of related work.

D. Fire-Rated Openings: In compliance with NFPA 80. Provide proper latching hardware,

SEQUENCING AND COORDINATION: Reinforce walls for wall stops

interfacing. Point-to-point wiring diagrams plus riser diagrams to related trades. D. Furnish manufacturer templates to door and frame fabricators E. Use hardware consultant to check Shop Drawings for doors and entrances to confirm that

C. Conduit and raceways as needed for electrical hardware items. Fire/life-safety system

Coordinate finish floor materials and floor-mounted hardware

adequate provisions will be made for proper hardware installation WARRANTY: Provide manufacturer's warranty for the following items:

1. Closers; Ten years mechanical, two years electrical Locksets: Two Years 3. Exit Devices: Three years

4. Hinges: Life of Building

5. Other Hardware: Two years PRODUCTS

MATERIALS Refer to the Hardware Schedule and Door Schedule for the following items:

Hardware styles and finishes 4. Hardware quantities and locations EXECUTION

Hardware sets

Hardware types

INSTALLATION A. Ensure that walls and frames are square and plumb before hardware installation Locate hardware per SDI-100 and applicable building, fire, life-safety, accessibility, and security

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Oak Park, Illinois

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ARIA GROUP ARCHITECTS, INC.

FIELD VERIFICATION Contractor shall verify all figured dimensions and conditions at the job site and notify Aria Group Architects Inc. of any dimensional errors. omissions or discrepancies before beginning or fabricating any work. Do not scale these drawings.

Aria Group Architects, Inc. shall retain

all common law, statutory and other

reserved rights. These drawings and

without written consent of Aria Group

related documents shall not be

duplicated, disclosed or otherwise

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NO. DATE REMARKS

REVISIONS

DANIEL PAUL BERNATEK NUMBER A-2018026259

Job No.

204530

08/19/2021 Sheet No.

Metal Framing Erection: Erect metal framing in accordance with ASTM C754 and manufacturer's

1. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior

1. Isolate suspension systems from building structure where they abut or are penetrated by building

walls, install isolation strip between studs and exterior wall

recommendations

SECTION 09300 - TILE

GENERAL

B. Ceiling Framing Installation: Erect in accordance with ASTM C754 and manufacturer's

structure to prevent transfer of loading imposed by structural movement

D. Finishing: Comply with Gypsum Association (GA) "Levels of Gypsum Board Finish"

Provide flush, smooth joints and surfaces ready for applied paint finishes.

Gypsum Board Installation: Install in accordance with ASTM C840 and manufacturer's

1. GA Level 4, three coat finishing and sanding is required for surfaces indicated to be painted.

3.2

1.1

1.3

others surfaces they will contact. Compatibility with other materials must be verifiable via acceptable

Silicone Glazing Sealant: Correct type, grade, class, and use silicone sealant as recommended

in writing by manufacturers for application indicated and complying with ASTM C920

C. Glazing tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; non-staining and

non-migrating in contact with nonporous surfaces; with or without spacer rod as recommended in

Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive

Dense Compression Gaskets: Molded or extruded gaskets of profile and hardness required as

recommended in writing by manufacturers for application indicated to maintain watertight seal, made

on both surfaces; as recommended in writing by manufacturers for application indicated and

writing by manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800

3rd party test results.

complying with AAMA 800

1. Neoprene complying with ASTM C864

2. EPDM complying with ASTM C864

3. Silicone complying with ASTM C1115

4. Thermoplastic polyolefin rubber complying with ASTM C1115

WORK INCLUDED A. Provide tile installations with accessories, as required for complete installation 1. Tile work includes various types of stone, quarry, and ceramic floor and wall tile SUBMITTALS A. Submit samples and product data for each product WARRANTY A. Provide manufacturer's standard warranty for each product specified PRODUCTS MATERIALS 2.1 A. Tile: Comply with ANSI A137.1 Specifications for Ceramic Tile for types of grades of tiles. Furnish tile complying with Standard Grade requirements unless otherwise indicated. 1. Acceptable Manufacturers: Refer to Finish Legend located on the drawings 2. Color, Style and Pattern: As indicated on Finish Legend and conforming to Architect approved 3. Floor Tile: Provide non-slip units with minimum wet and dry value of 0.60 coefficient of friction when tested in accordance with ASTM C1028. Contractor shall notify Architect if any floor material listed in the Finish Legend does not comply with this standard. 4. Base and Trim: Provide matching trim pieces, coordinated with sizes and coursing of adjoining flat tile as directed by Architect; types as indicated, as selected by Architect where not indicated B. Latex Portland Cement Mortar-Thin Set: (All areas except guarry tile). Thinset bond coat. consisting of latex-cementitious mortar conforming to ANSI A118.4 to be compatible with liquid C. Water Cleanable, Chemical Resistant, Tile-Setting Epoxy Adhesive: (At all guarry tile and if noted in the Finish Legend) conform to ANSI A118.3 to be compatible with liquid applied waterproofing Color: Match specified epoxy grout color D. Latex - Portland Cement Grout (At Latex-Thin Set): ANSI A118.7 latex-cementitious type, uniform in color, resistant to shrinkage Color: See Finish Legend E. Chemical Resistant 100% Solids, Nonsagging Epoxy Grout system (at epoxy adhesive and if noted on the Finish Legend): Conform to ANSI A118.3 F. Concrete Slab-On-Grade Sealer: Creteseal (800-278-4273)/CS2000 curing, hardener, sealer G. Applied Waterproofing: Refer to "Section 07141 - Waterproofing" A. Mix and proportion cementitious materials for site-made leveling coats, setting beds and grout as recommended by the TCNA Handbook for Ceramic Tile Installation most current edition B. Mix and proportion pre-mixed setting beds and grout materials in accordance with manufacturer's recommendations EXECUTION PREPARATION A. Prior to installing tile, ensure surfaces are level 1. Substrate Tolerances: maximum surface variation of 1/8" in 10'-0" and 1/16" in 1'-0" from the required plane B. Ensure surfaces are clean and well cured Do not commence work until surface conditions are within tolerances required for proper installation; apply latex leveling material where necessary to meet required tolerances D. Slab-on-Grade Sealer: Apply curing, hardener, sealer in accordance with manufacturer recommendations and application instructions to prevent damage to epoxy set floors from water intrusion from beneath slab E. Cementitious Backer Units: Install units in accordance with ANSI A108.11, manufacturer's recommendations, and as required to provide fire ratings indicated on drawings INSTALLATION A. Install tile in accordance with referenced ANSI Standards and TCNA recommendations for type of substrate and indicated setting method 1. Latex-Cement Thin Set Floors over Concrete: TCNA F113 2. Epoxy Thin Set Floors over Concrete: TCNA F131, with epoxy grout 3. Latex-Cement Thins Set Wall Tile over Cementitious Backer Units: TCNA W244 4. Exterior Thin Set Tile over EIFS: TCNA W202, with highly modified latex-cement mortar B. Place tile in accordance with patterns indicated on Drawings or as directed by Architect; carefully plan tile layouts, ensure pattern is uninterrupted from one surface to the next and through doorways Apply latex thin set to back of tile where necessary to ensure 100% bond between bond coat and substrate; replace tiles which break due to voids between tile and substrate Neatly cut tile around fixtures and drains; accurately form corners, base, intersections and returns E. Locate expansion joints, control joints, contraction joints, and isolation joints where indicated; where not indicated, provide as recommended by TCNA Handbook and as approved by Architect F. Ensure tile joints are uniform in width, subject to normal variance in tolerance allowed in tile size; ensure joints are watertight, without voids, cracks, excess mortar or grout G. Sound tile after setting, remove and replace hollow sounding units H. Allow tile to set for a minimum 48 hours prior to grouting I. Grout tile to comply with recommendations of TCNA and as specified. (Trowel grout FLUSH to quarry tile in Food Prep. Areas). J. Leave completed installation free of broken, damaged and faulty tile K. Back-butter 100% all tiles at exterior and all interior large format tiles. Use non-sag mortars for all large format tiles. CLEANING AND SEALING A. Clean tile surfaces free of foreign matter upon completion of grouting B. Seal and grout surfaces where recommended by manufacturer for materials and applications involved. Comply with manufacturer's recommendations. C. Install grout sealer at all tile SECTION 09511 - ACOUSTICAL PANEL CEILINGS GENERAL 1.1 SUBMITTALS A. This section includes performance criteria for all work associated with suspended vinyl-face gypsum (VGT) ceiling systems and suspended acoustical ceiling tile (ACT) systems 1.2 SUBMITTALS A. Submit product data for each product used 1.3 QUALITY ASSURANCE Surface-burning characteristics of acoustical panels comply with ASTM E1264 for Class A materials as determined by testing identical products per ASTM E84

QUALITY ASSURANCE

WARRANTY

1.5

PRODUCTS

each designation in the Finish Legend

A. Submit standard manufacturer's written warranty

 GENERAL B. Use carpet adhesives that comply with the following limits for VOC content per (SCAQMD) rule B. Products are identified with appropriate markings of applicable testing and inspecting agency C. Back of house ceiling systems must be acceptable to USDA for food processing areas A. Products: Subject to compliance with requirements, provide one of the products indicated for B. Carpet Materials: B. Metal Suspension System: Manufacturer's standard direct-hung suspension system complying with applicable ASTM C635 requirements and with requirements indicated in the Finish Schedule C. Surface-burning characteristics of acoustical panels comply with ASTM E84 for Class A materials D. Finishes and Colors for Metal Suspension System, General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes. Provide manufacturer's standard factory-applied finish for type of system

tested all carpet and provided written certification that all carpet construction meets or exceeds each

All carpet installed in the building interior shall meet the testing and product requirements of the

Manufacturers: Refer to "Finish Legend" located in the drawings for acceptable manufacturers.

5. All carpet installed shall have a TARR rating of greater than equal to 3.5 for extra heavy/severe

6. Dye Lots: Yarns of each designated color for each area shall be from a single dye lot

1168 when calculated according to 40 CFR 59, Subpart D (EPA method 24) or ASTM D3960

minimum requirement of the project specifications

ENVIRONMENTAL REQUIREMENTS

VOC: Limit of 50 g/L

WARRANTIES

1. Ten (10) year warranty

MATERIALS

Size: Refer to Finish Legend

No Substitutions.

Carpet and Rug Institute's Green Label Plus Program

A. Submit the following standard manufacturer's written warranties

Two (2) year material and workmanship warranty

3. Ten (10) year tuft bind and delamination warranty

2. Flammability test requirements: Finish Legend

4. Static Control: Maximum 3.5 KV, with Permanent Conductive Fiber

3. Colors and patterns: Refer to Finish Legend

7. All carpet shall be soil/stain resistant

MATERIALS 8. Carpet shall have permanent anti-microbial protection guaranteed effective for life of carpet Provide ACT ceiling system as indicated in the Finish Legend and as described in the contract 9. Colors and patterns: Refer to Finish Legend Provide VGT ceiling system as indicated in the Finish Legend and as described in the contract 10. Reinforcement: Fiberglass reinforced drawings. System must be acceptable to USDA for food processing areas. 11. Backing Thickness: 0.090 C. Adhesives: Waterproof type recommended and approved by respective carpet manufacturer for Suspension System Attachment Devices: Fabricated from corrosion-resistant materials and sized for five times design load indicated in ASTM C635, Table 1, Direct Hung, unless otherwise use with their materials under site installation conditions EXECUTION Metal suspension system: In colors and materials as described on the contract drawings. In PREPARATION areas that require VGT ceilings suspension systems must meet USDA requirements for food A. Verify that all areas scheduled for carpeting turned over to carpet installer are dry, processing areas. broom-cleaned and free of grease, oil, paint or other foreign surfaces Cast-in-Place and Post-installed Anchors in Concrete: Cast-in-place, or post-installed expansion B. Testing of the concrete slab for moisture and alkalinity to be done in advance of the installation. or chemical anchors with holes or loops for attaching hangers of type indicated and with capability to The Carpet and adhesive manufacturer are to be consulted for specific values that are acceptable for sustain, without failure, a load equal to five times that imposed by ceiling construction, as determined installation. At a minimum, a PH range of 7-9 and a moisture emission rate of 3lb/1000 sf shall be by testing per ASTM E488, conducted by a qualified testing and inspecting agency. deemed acceptable unless more stringent requirements are required by the carpet and adhesive Post-installed Powder-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory C. Ensure that subfloor is smooth, clean and free of all foreign materials before starting installation devices for attaching hangers of type indicated, and with capability to sustain, without failure, a load equal to 10 times that imposed by ceiling construction, as determined by testing per ASTM E1190, conducted by a qualified testing and inspecting agency D. Repair any floor defects and irregularities prior to installation E. Installation of materials constitutes Contractor's acceptance of previous construction items to the Wire Hangers, Braces, and Ties: Zinc-coated, carbon-steel wire complying with ASTM requirements of the carpet and adhesive manufacturers. Installation also constitutes the Contractor's A641/A641M, Class 1 zinc coating, soft temper. Size wire diameter so its stress, at three times assumption of responsibility for all unacceptable finished work caused by previous conditions. hanger design load, (ASTM C635, Table 1, Direct Hung) will be less than yield stress of wire, but provide not less than 0.106-inch diameter wire. 3.2 INSTALLATION A. Install all products in accord with manufacturer's current printed instructions and in accordance H. Sheet-Metal Edge Moldings and Trim: Type and profile indicated or, if not indicated, with CRI 104-Standard for installation of Commercial Carpet, the most stringent requirements shall manufacturer's standard moldings for edges and penetrations that fit acoustical panel edge details and suspension systems indicated; formed from sheet metal of same material and finish as that used for exposed flanges of suspension system runners B. Lay carpet in manner that: 1. Will produce a minimum number of seams EXECUTION 2. Seams that are not obvious in the finished work INSTALLATION 3. Installation is free of visual imperfections, adhesives, seam cement smears and other foreign General: Install acoustical panel ceilings to comply with publications referenced below per manufacturer's written instructions and CISCA's "Ceiling Systems Handbook" C. Upon completion of carpet work, restrict all traffic in finished areas to normal foot traffic for a 1. Standard practice for installation of metal Suspension Systems for acoustical tile and lay-in minimum of 2 days panels. Comply with ASTM C635 & ASTM C636 D. Unsatisfactory work: Work installed not in accordance with manufacturer's instructions, or in a manner unacceptable to Architect, will be deemed unsatisfactory and may result in Architect requiring 2. Standard for Ceiling Suspension Systems Requiring Seismic Restraint: Comply with ASTM E580 removal and relaying at Contractor's expense 3. CISCA's Recommendations for Acoustical Ceilings: Comply with CISCA's "Recommendations 3.3 PROTECTION for Direct-Hung Acoustical Tile and Lay-in Panel Ceilings-Seismic Zones 0-2 A. Place protection continuously with all seams lapped a minimum of 6 inches and taped. Maintain in good condition until project acceptance by Owner, or as otherwise directed. Vacuum clean all 4. CISCA's Guidelines for Systems Requiring Seismic Restraint: Comply with CISCA's "Guidelines carpet prior to placing protection. for Seismic Restraint of Direct-Hung Suspended Ceiling Assemblies-Seismic Zones 3 & 4 3.4 PROJECT CLEAN-UP 5. Install ceiling suspension system to resist seismic loads as required by State and local codes, A. Upon completion of work, thoroughly inspect entire installation. Remove all defective work and including extra hanger wires and compression supports for ceilings and light fixtures. replace with perfect materials B. Cut off and trim all loose threads. Remove all visible adhesives, seam cement and scraps. Secure ceiling hangers from suspension system members to building's structural members. Clean all carpet with an upright beater, bar-type vacuum cleaner. Install hangers plumb and free from contact with other objects within ceiling plenum. Connect C. Remove all rubbish, debris, containers and all excess materials not selected by Owner for hangers directly either to structures or to inserts, eye screws, or other devices that are secure; that are appropriate for substrate; and that will not deteriorate or otherwise fail due to age, corrosion, or retention and legally dispose of elevated temperatures. 1. Do not support ceilings directly from permanent metal forms, or floor or roof deck. Do not attach E. Leave premises in clean, acceptable condition hangers to steel deck tabs. 2. Space hangers not more than 48 inches O.C. along each member supported directly from hangers, unless otherwise indicated; and provide hangers not more than 8 inches from ends of SECTION 09651 - RESILIENT FLOOR TILE each member. GENERAL C. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where SUMMARY necessary to conceal edges of acoustical panels. Install suspension system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members. 1.2 QUALITY ASSURANCE Install acoustical panels with undamaged edges and fitted accurately into suspension system runners and edge moldings. Scribe and cut panels at borders and penetrations to provide a neat, compatible with each other and the vinyl composition tile (VCT) provided 1.3 SUBMITTALS Submit product data, samples and maintenance data for each product SECTION 09580 - CARPET EXTRA MATERIALS protective covering for storage and identified with labels describing contents A. The work consists of all labor, material, and equipment necessary and required to complete all carpet and padding as shown on the drawings and specified herein. SUBMITTALS A. Submit the following product data pattern of wall base installed Adhesives PRODUCTS Protection 2.1 VINYL COMPOSITE TILE (VCT) Installation A. Vinyl composition tile (VCT) Standard: ASTM F1066 Carpet Padding type of tile to be provided Manufacturer's Qualifications B. Manufacturing Classification: Class-2 (through-pattern tile) Installer's Qualifications C. Thickness: 0.125 inch Submit the following samples for each product D. Fire Test Response Characteristics: 1. Carpet: 12 inches by 12 inches Padding: 12 inches by 12 inches Edge Stripping: 12 inches long 2.2 RESILIENT WALL BASE Submit manufacturer's written maintenance instructions QUALITY ASSURANCE Manufacturer's qualifications: Documented five (5) years' experience as a manufacturer and a type of tile to be provided member in good standing with the Carpet and Rug Institute (CRI) B. Unless otherwise noted provide the following styles in the areas described Installer's qualification: Documented five (5) years' experience as installer of at least 10 projects C. Cove Wall Base- For tile area of similar size and complexity to this project. Installer must be approved by carpet manufacturer. D. Butt -To-Wall: For carpeted areas C. Source quality control: Prior to carpet being shipped to project, ensure that manufacturer has

D. Repair all damage resulting from carpet work. Clean, repair or replace all damage as directed A. This section contains performance criteria for the vinyl composition tile (VCT) and accessories A. Provide flooring accessories, leveling and patching compounds, and adhesives that are all A. Furnish extra materials described below that match products installed and that are packaged with B. Floor Tile: Furnish 1 box for every 50 boxes of each type, color, and pattern of floor tile installed C. Resilient Wall Base: Furnish 10 linear feet for every 500 linear feet of each type, color, and 1. Refer to finish schedule in Finish Legend for manufacturer, type, color, pattern, and size of each E. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm per ASTM E648 Wall Base: Provide thermoplastic rubber (TPR) wall base meeting performance criteria of ASTM 1. Refer to finish schedule in Finish Legend for manufacturer, type, color, pattern, and size of each E. Flexibility: Meet ASTM F137 requirements F. Staining; Wall base to contain no ingredient that will cause staining of finished surfaces adjacent to wall based per ASTM F1861 G. Resistance to Light: Meet ASTM F1515 requirements Resistance to Chemicals: Meet ASTM F925 requirements 2.3 TRANSITION AND REDUCING STRIPS A. Description: Cap for cove carpet, carpet edge for glue down applications, nosing for carpets, nosing for resilient floor covering, reducer strip for resilient floor covering, joiner for tile and carpet(s) required for each application 1. Refer to finishes schedule in Finish Legend for size material, and color for each product provided 2.4 ADHESIVES AND LEVELING COMPOUNDS A. Adhesives: Water resistance type recommended by manufacturer that is compatible with substrate and resilient products. All adhesives used must meet SCAQMD Rule 1168 requirements B. Leveling Compounds: Manufacturer recommended Latex-modified, Portland cement based or blended hydraulic cement based formulation that is compatible with all other products used ENVIRONMENTAL REQUIREMENTS EXECUTION A. All wall covering systems to be comprised of products that are GREENGUARD certified for low emissions A. Examine substrates with installer present, for compliance with requirements for installation 1.5 WARRANTY tolerances, moisture content, and other conditions affecting performance A. Submit the manufacturer's standard written warranty B. Prepare substrates according to manufacturer's written recommendations to ensure adhesion of PRODUCTS MATERIALS C. Lay out tiles as they are shown on the Floor Finish Plan A. Manufacturers: Refer to Finish Legend located on the contract drawings for acceptable manufacturers. No Substitutions.

On irregular substrates, fill voids with manufacturer's recommended adhesive filler material

throughout length of each piece. Install reducer strips at edges of floor covering that would otherwise

E. Transition and reducer strips: Butt to adjacent materials and tightly adhere to substrates

F. Perform the following operations immediately after completing resilient product installation

G. Remove adhesive and other blemishes from exposed surface

B. The system shall have the color and texture as specified by the Owner with a nominal thickness of 1/4 inch. It shall be applied to the prepared area(s) as defined in the plans strictly in accordance with the Manufacturer's recommendations. C. Cove base (if required) to be applied where noted on plans and per manufacturer's standard details unless otherwise noted SUBMITTALS Submit product data, samples and maintenance data for each product QUALITY ASSURANCE A. The Manufacturer shall have a minimum of 5 years' experience in the production, sales, and technical support of cementitious urethane and related materials B. The Applicator shall have been approved by the flooring system manufacturer in all phases of surface preparation and application of the product specified C. System shall be in compliance with requirements of United States Department of Agriculture (USDA), Food, Drug Administration (FDA), and local Health Department WARRANTY A. Submit standard manufacturer's written warranty PRODUCTS RESINOUS FLOOR SYSTEM Refer to Finish Legend on the contract drawings for manufacturer, type, color, pattern, and thickness of each product to be provided PHYSICAL REQUIREMENTS A. Compressive Strength: 7,300 psi, per ASTM C579 B. Tensile Strength: 800 psi, per ASTM C307 Impact Resistance: No visible damage or deterioration at a min. of 160in-lb, per ASTM D2794 D. Flexural Strength: 1,800 psi, per ASTM C580 E. Water Absorption: less than 0.1%, per ASTM C413 F. Abrasion Resistance: 0.07g lost after 1,000 cycles from a CS-17 wheel, per ASTM D4060 G. Adhesion: 100% concrete failure at 400 psi, per ASTM D4541 H. Coefficient of Friction: 0.7 VOC Content: 0 g/l Resistance to Elevated Temperatures: No Flow of Softening, per MIL-D-3134 K. Chemical Resistance: At a minimum, no effect when exposed to the following regents for 7 days when tested per ASTM D413 1. Acetic Acid: 5% Solution 2. Ammonium Hydroxide: 10% Solution 3. Citric Acid: 5% Solution 4. Urea: 6.6% Solution 5. Tri Sodium Phosphate: 5% Solution Coffee EXECUTION PROJECT CONDITIONS Site Requirements: Application may proceed while air, material and substrate temperatures are within the acceptable values as defined by the manufacturer's written recommendations B. Conditions of new concrete to be coated with cementitious urethane material 1. Concrete shall be moisture cured for a minimum of 7 days and have fully cured for 14 days in accordance with ACI-308 prior to the application of the coating system pending moisture tests. Outside of these parameters, manufacturer shall be consulted. 2. Concrete shall have a flat rubbed finish, float or light steel trowel finish (a hard steel trowel finish is neither necessary nor desirable) 3. Sealers and curing agents should not to be used 4. Concrete surfaces on grade shall have been constructed with a vapor barrier to protect against the effects of vapor transmission and possible delamination of the system INSPECTION Examine substrates, areas, and conditions for compliance with manufacturer's written instructions and requirements to ensure that the conditions and substrates are satisfactory for flooring installation INSTALLATION Install resinous floor per the written instructions and recommendations of the manufacturer for the specific floor system and conditions indicated CLEANING AND PROTECTION Cure flooring material in compliance with manufacturer's directions, taking care to prevent their contamination during stages of application and prior to completion of the curing process B. Remove masking. Perform detail cleaning at floor termination, to leave cleanable surface for subsequent work of other sections SECTION 09720 - WALLCOVERINGS GENERAL SUMMARY Provide all labor, materials and equipment associated with the installation of Wall Covering Systems as described in the contract drawings and these specifications SUBMITTALS A. Submit the product data for each product including the following: Manufacturer's Qualifications 2. Installer's Qualifications B. Submit the samples for each product Submit manufacturer's written maintenance instructions QUALITY ASSURANCE Manufacturer's qualifications: Documented five (5) years' experience as a manufacturer of commercial wall coverings similar to those specified Installer's qualification: Documented five (5) years' experience as installer of at least 10 projects of similar size and complexity to this project. Installer must be approved by wall covering

B. Wall Covering Material Properties

2. Compliance: Fed. Spec. CCC-W-408D, Type II

4. Finished Total Weight: 20oz/per linear yard or greater

1. Color & Style: Refer to Finish Legend located on the contract documents

3. Fabric Type: Refer to Finish Legend located on the contract documents

H. Sweep and vacuum surfaces thoroughly

recommended by manufacturer.

SYSTEM DESCRIPTION

construction period

SECTION 09671 - RESINOUS FLOORING

1.1 SUMMARY

GENERAL

I. Damp-mop surfaces to remove marks and soil. Do not wash surfaces until after time period

J. Use protection methods recommended in writing by the manufacturer for the remainder of the

A. Provide all labor, materials and equipment associated with the installation of Resinous Flooring

The work shall consist of preparation of the substrate, the furnishing and application of a trowel

applied cementitious urethane based seamless flooring system with a urethane topcoat

System as described in the contract drawings and these specifications

830 North Blvd. Oak Park, Illinois

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FIELD VERIFICATION Contractor shall verify all figured dimensions and conditions at the job site and notify Aria Group Architects Inc. of any dimensional errors. omissions or discrepancies before beginning or fabricating any work. Do not scale these drawings.

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NO. DATE REMARKS REVISIONS



Drawing Title SPECIFICATION

Job No. 204530

Scale 08/19/2021

5. Surface Burning Characteristics: Refer to Finish Legend for required class of materials A. General: Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items already installed that are not to be painted. If removal is impractical or impossible because of the size or weight of the item, provide surface-applied protection before 6. Corner Burn Test, NFPA 286: Pass C. Provide low VOC adhesive recommended by the wallcovering manufacturer for intended 1. After completing painting operations in each space or area, reinstall items removed using application as indicated on the contract drawings workers skilled in the trades involved EXECUTION Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's 3.1 INSPECTION written instructions for each particular substrate condition and as specified A. The Contractor shall inspect all surfaces and structures to receive materials under this section and verify that conditions are acceptable by the wallcovering manufacturer for installation of the 1. Schedule cleaning and painting so dust and other contaminants from the cleaning process will wallcovering products. Commencement of application shall indicate acceptance of substrates. not fall on wet, newly painted surfaces 2. Ferrous metals: Touch up bare areas and shop applied prime coats that have been damaged 3.2 INSTALLATION prior to painting Wall covering shall be applied in strict accordance with manufacturer's printed instructions, one Materials Preparation: Mix and prepare paint materials according to manufacturer's written copy of which shall be at job-site for inspection at all times B. If pattern is not random, examine for repeat in design. Install each roll in sequence as cut from D. Tinting: Tint each undercoat a lighter shade to simplify identification of each coat when multiple roll. However, patterns, should be lined up, matched or reversed for best results. If necessary, trim coats of the same material are applied. Tint undercoats to match the color of the finish coat, but salvage deep enough to ensure color uniformity. provide sufficient differences in shade of undercoat to distinguish each separate coat. C. Always bring material around outside corners. If inside corners are straight and true, material APPLICATION may be brought around the corner, being sure to force it into the corner to avoid spanning. A. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied. D. Remove excess adhesive along finished seam immediately after each wall covering strip is applied and air pockets and wrinkles are removed. Adjacent surfaces of walls, ceilings, etc., showing 1. Paint colors, surface treatments, and finishes are indicated in the schedules evidence of adhesive residue shall be cleaned to Architect's satisfaction. 2. Apply additional coats if undercoats, stains, or other conditions show through final coat of paint until paint film is of uniform finish, color, and appearance. Give special attention to ensure that surfaces, including edges, corners, crevices, welds, and exposed fasteners, receive a dry film thickness equivalent to that of flat surfaces. SECTION 09775 - FIBER REINFORCED PLASTIC (FRP) WALL PANELS GENERAL 3. Apply materials uniformly, showing no runs, sags, "crawls", "holidays", or other defects 1.1 SECTION INCLUDES A. Furnish all labor, materials, services, equipment, and appliances required for fiberglass 4. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, reinforced plastic wall paneling (FRP) work indicated on drawings and specified herein convector covers, covers for finned-tube radiation, grilles, and similar components are in place. Extend coatings in these areas, as required, to maintain the system integrity and provide desired B. Work includes, but is not limited to, the following: 5. Finish exterior doors on tops, bottoms, and side edges the same as exterior faces as indicated Fiberglass reinforced plastic wall paneling (FRP) on contract drawings Adhesives Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or Vinyl moldings otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration 1.2 SUBMITTALS 1. Do not apply succeeding coats until the previous coat has cured as recommended by the A. Submit samples and product data for each product 2. PRODUCTS 2. Omit primer on metal surfaces that have been shop primed and touchup painted 2.1 MANUFACTURERS A. Refer to Finish Legend 3. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure 2.2 edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to A. Fiberglass reinforced plastic (FRP) 0.09" thickness, and weighing 0.7 pounds per square foot that of flat surfaces. B. Material must have USDA - Meat Inspection Division approval 4. Heated Items: Pipes containing heat shall not be painted until system is cold and remains cold until after final coat has dried C. Refer to Finish Legend in drawing set for finish and color Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators D. Class A if noted on drawings according to manufacturer's written instructions ACCESSORIES 1. Spray Equipment: If spray application is to be used, use airless spray equipment with orifice size as recommended by the manufacturer for the material and texture required A. Adhesive: 1. C-551 Marlite FRP adhesive, or equal D. Recoat primed and sealed surfaces where there is evidence of suction spots or unsealed areas B. Vinyl Moldings: Apply moldings to all joints, corners (inside and out), and top and bottom of in first coat, to assure a finish coat with no burn-through (paint holidays) or other defects due to EXECUTION E. Block Fillers: Apply block fillers to concentrate masonry block at a rate to ensure complete coverage with pores filled 3.1 **EXAMINATION** A. Examine areas and conditions under which work of this Section will be installed. Correct F. Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by conditions detrimental to timely and proper completion of the Work. Do not proceed until the manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed unsatisfactory conditions are corrected. areas in first coat appears, to ensure a finish coat with no burn-through or other defects due to INSTALLATION Install all FRP, adhesives, and moldings in accordance with manufacturer's recommendation. Gypsum drywall surface to which paneling is to be applied shall be smooth; clean, dry, and free from G. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, defects which might lead to distortion of FRP work. Do not install with exposed fasteners. opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable. B. Securely install the selected products, setting panels straight, plumb, level, and true to lines and profiles shown on the Drawings H. Stipple Enamel Finish: Roll and redistribute paint to an even and fine texture. Leave no evidence of rolling, such as laps, irregularity in texture, skid marks, or other surface imperfections. Attach to walls and ceilings with adhesive in accordance with recommendations of the panel Completed Work: Match accepted samples of color, texture, and coverage. Remove, refinish, or D. Finish butt joints, wall juncture, wall/ceiling, and wall/curb joints with the specified sealant, tooling repaint work not complying with requirements. to a smooth finish. Provide moldings at joints and corners. CLEANING E. Promptly upon completion of this portion of the Work, clean all surfaces. Use method and materials recommended by the panel manufacturer. A. Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded B. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by SECTION 09900 - PAINTING washing and scraping. Be careful not to scratch or damage adjacent finished surfaces. GENERAL PROTECTION 1.1 A. Protect work of other trades, whether being painted or not, against damage by painting. Correct A. Surface preparation and priming in addition to shop-priming and surface treatment specified under other Sections damage by cleaning, repairing or replacing, and repainting. B. Provide "Wet Paint" signs to protect newly painted finished. Remove temporary protective Painting and finishing of exposed interior items and surfaces wrappings provided by others to protect their work after completing painting operations. Painting and finishing of exposed exterior items and surfaces 1.2 SUBMITTALS At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces Submit product data and samples for each product 3.6 PAINT SCHEDULE 1.3 QUALITY ASSURANCE Exterior Work: Provide the following painting systems in the colors and sheens as indicated on Single-Source Responsibility: Provide primers and undercoat paint produced by the same manufacturer as the finish coats ENVIRONMENTAL REQUIREMENTS 1. Concrete, Stucco, and Masonry: 1.4 A. For interior applications use paints and coating that comply with the following limits for VOC a. Flat or Low-Luster Acrylic: Two coats over primer content when calculated according to 40 CFR 59, Subpart D (EPA method 24) or ASTM D 3960 for b. Semi-gloss or Full-Gloss Acrylic Enamel: Two coats over primer the following standards: 2. Concrete Masonry Units: 1. Green Seal Standard GS-11, Paints, 1 st Edition, May 20, 1993 a. Flat or Low-Luster Acrylic: Two coats over block filler and primer a. Flat Paints and Coatings: VOC content not more than 50 g/L Semi-gloss or Full-Gloss Acrylic Enamel: Two coats over block filler and primer b. Non-Flat Paints and Coatings: VOC content not more than 150 g/L 2. Green Seal Standard GS-03, Anti-Corrosive Paints, 2 nd Edition, January 7, 1997 3. Mineral-Fiber-Reinforced Cement Panels: a. Anti-Corrosive Coatings: VOC content not more than 250g/L a. Flat Acrylic: Two coats over primer 3. SCAQMD Rule 1113, Architectural Coatings, rules in effect January 1, 2004 Exterior Gypsum Soffit Board: a. Varnishes and Sanding Sealers: VOC content not more than 350g/L a. Flat or Low-Luster Acrylic: Two coats over primer b. Stains: VOC content not more than 250g/L b. Semi-gloss or Full-Gloss Acrylic Enamel: Two coats over primer 4. Aromatic Compounds: Paints and coatings shall not contain more than 1.0 percent by weight Smooth Wood: total aromatic compounds (hydrocarbon compounds containing one or more benzene rings) a. Flat or Low-Luster Acrylic: Two coats over primer Semi-gloss or Full-Gloss Acrylic Enamel: Two coats over primer PRODUCTS MANUFACTURER c. Full-Gloss Alkyd Enamel: Two coats over primer Refer to Finish Legend located on the contract drawings for acceptable manufacturers Wood Trim: a. Medium-Shade, Semi-gloss, or Full-Gloss Acrylic Enamel: Two coats over primer No Substitutions Medium-Shade or Full-Gloss Alkyd Enamel: Two coats over primer Material Compatibility: Provide block fillers, primers, finish coat materials, and related materials Deep-Color, Full-Gloss, Acrylic Enamel: Two coats over primer that are compatible with one another and the substrates indicated under conditions of service and d. Deep-Color, Full-Gloss, Alkyd Enamel: Two coats over primer 7. Wood Shakes and Rough Siding: B. Provide colors and finishes as indicated on contract drawings. Colors must be pure, non-fading, a. Flat Acrylic Enamel: Two coats over primer applicable types to suit substrates and service indicated. b. Flat Alkyd Enamel: Two coats over primer EXECUTION Plywood: 3.1 EXAMINATION a. Flat or Low Luster Acrylic Enamel: Two coats over primer A. Examine substrates, areas, and conditions, with the Applicator present, under which painting will be performed for compliance with paint application requirements Stained Wood:

a. Flat Acrylic: One coat semitransparent, waterborne, penetrating wood stain

a. Flat, Semi-gloss or Full-Gloss Acrylic Enamel: Two coats over rust-inhibiting primer

b. Flat Alkyd: One coat semitransparent, alkyd, penetrating wood stain

10. Ferrous Metal:

B. Do not begin to apply paint until satisfactory conditions have been corrected and surfaces

C. Start of painting will be construed as the Applicator's acceptance of surfaces and conditions

receiving paint are thoroughly dry

within a particular area

PREPARATION

b. Low Luster Acrylic: Two coats over rust-inhibiting primer Full-Gloss or Deep-Color Full-Gloss Alkyd Enamel: Two coats over rust-inhibiting 11. Zinc-Coated Metal: a. Low Luster: Two coats over galvanized metal primer b. Semi-gloss or Full-Gloss Acrylic Enamel: Two coats over galvanized metal primer c. Full-Gloss Alkyd Enamel: Two coats over galvanized metal primer 12. Aluminum: a. Semi-gloss or Full-Gloss Acrylic Enamel: Two coats over primer Full-Gloss Alkyd Enamel: Two coats over prime B. Interior Work: Provide the following painting systems in the colors and sheens as indicated on the contract drawings Concrete and Masonry: a. Flat Acrylic: Two coats over primer b. Flat Alkyd: Two coats over primer c. Semi-gloss Alkyd Enamel: Two coats over primer 2. Concrete Masonry Units: a. Flat Acrylic: Two coats over block filler and primer b. Low-Luster or Semi-gloss, Acrylic Enamel: Two coats over block filler and primer c. Semi-gloss Alkyd Enamel: Two coats over block filler and primer 3. Mineral-Fiber-Reinforced Cement Panels: a. Flat Acrylic: Two coats over primer Gypsum Board: a. Flat Acrylic: Two coats over primer b. Low-Luster, Semi-gloss, or Full-Gloss Acrylic Enamel: Two coats over primer c. Semi-gloss or Full-Gloss Alkyd Enamel: Two coats over primer Plaster: a. Flat Acrylic: Two coats over primer b. Flat Alkyd: Two coats over primer c. Low-Luster or Full-Gloss Acrylic Enamel: Two coats over primer Semi-gloss Acrylic Enamel: One coat over undercoat and primer e. Semi-gloss Alkyd Enamel: One coat over undercoat and primer f. Full-Gloss Alkyd Enamel: Two coats over primer 6. Acoustical Plaster: a. Flat Acrylic Latex: Two coats 7. Woodwork and Hardboard: a. Low Luster or Semi-gloss Acrylic Enamel: Two coats over primer b. Semi-gloss or Full-Gloss Acrylic Enamel: Two coats over wood undercoat c. Semi-gloss Alkyd Enamel: Two coats over primer d. Full-Gloss Alkyd Enamel: Two coats over wood undercoat Stained Woodwork: Alkyd- Base, Satin Varnish: Two coats clear-satin varnish over sealer and wood stain Waterborne, Satin Varnish: Two coats clear-satin varnish over sealer and wood stain Water-Based Stain, Full Gloss, Varnish: Two coats full-gloss varnish over sealer and Alkyd-Based Stain, Wax Polished Finish: Three coats paste wax over sealer and wood 9. Natural-Finish Woodwork: Alkyd-Based, Satin Varnish: Two coats clear-satin varnish over sealer Waterborne, Satin Varnish: Two coats clear-satin varnish over sealer c. Water-Based, Full-Gloss, Varnish: Two coats full-gloss varnish over sealer d. Wax-Polished Finish: Three coats paste wax over sealer 10. Ferrous Metal: a. Flat Acrylic: Two coats over primer b. Low-Luster or Full-Gloss Acrylic Enamel: Two coats over primer c. Semi-gloss Acrylic Enamel: One coat over undercoat and primer d. Semi-gloss Alkyd enamel: One coat over undercoat and primer e. Full-Gloss, Alkyd Enamel: Two coats over primer Zinc-Coated Metal: a. Flat Acrylic: Two coats over primer b. Low-Luster, Semi-gloss, or Full Gloss Acrylic Enamel: Two coats over primer c. Semi-gloss, or Full-Gloss Alkyd Enamel: One cost over undercoat and primer SECTION 10520 - FIRE EXTINGUISHERS AND ACCESSORIES 1.1 SUMMARY A. Section includes performance criteria for fire extinguishers, fire extinguisher cabinets, and fire extinguisher mounting brackets 1.2 SUBMITTALS A. Submit product data for each product 1.3 QUALITY ASSURANCE A. NFPA Compliance: Fire extinguishers shall comply with NFPA-10 B. UL-Listed Products: Fire extinguishers shall be UL listed with UL Listing Mark for type, rating, and classification of extinguisher C. FM-Listed Products: Fire extinguishers approved by Factory Mutual Research Corporation for type, rating, and classification of extinguisher PRODUCTS MATERIALS A. Fire Extinguishers: Provide fire extinguishers for locations as indicated on the drawing set and as maybe additionally required by authorities having jurisdiction. Types as described below: 1. Multi-purpose Dry Chemical: Type 2-A, UL-299, Rated for Class-A fires 2. Dry Chemical: Type -K, UL-299, Rated for Class-B fires involving combustible cooking media. 3. Carbon Dioxide: Type-C, UL-154, Rated for Class-C fires, fire extinguish shall contain agents that are nonconductive to electricity 4. Fire Extinguisher Cabinets: Size suitable for housing fire extinguishers to ensure fit and function of types and capacities indicated B. Construction: Enameled steel box, trim, frame door, and hardware to suit cabinet type, trim style and door style as indicated. Weld joints and grind smooth. Miter and weld perimeter door frames. 1. Fire-Rated Cabinets: UL listed with UL Listing Mark with rating of wall where it is installed 2. Cabinet Mounting: Fully recessed in walls of sufficient depth to suit trim style 3. Trim Style: Trim-less with hidden flange of same metal and finish as box that overlaps surrounding wall finish and is concealed from view by overlapping door 4. Door Material and Construction: Manufacturer's standard enameled steel

5. Door Hardware: Provide door-operating hardware of proper type for cabinet type. Provide

6. Steel Cabinet Finishes: Baked enamel finish selected by architect from manufacturer's standard

7. Identification: Complying with authorities having jurisdiction, identify the bracket mount fire extinguisher with the words "FIRE EXTINGUISHER" using letter decals applied to the door

C. Mounting Brackets: Manufacturer's standard galvanized steel, designed to secure fire

extinguisher to wall or structure

friction latch. Provide concealed hinge permitting door to open 180 degrees.

1. Identification: Complying with authorities having jurisdiction, identify the bracket mount fire extinguisher with the words "FIRE EXTINGUISHER" using letter decals applied to mounting EXECUTION INSTALLATION Install per manufacturer's written instructions B. Install at heights indicated, or if not indicated at heights to comply with applicable regulations of governing authorities

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Drawing Title

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