

GENERAL NOTES

- AND FIELD INSPECT EXISTING CONDITIONS PRIOR TO BIDDING.
- 2. TAKE ALL NECESSARY CARE TO PROTECT EXISTING SITE PAVING AND FIXTURES FROM STAINING DUE TO OVERLAYMENT/SEAL COATING

1. THESE DRAWINGS ARE FOR INTENT ONLY, CONTRACTOR SHALL REVIEW

Proj. Number: BGC.37948.RR

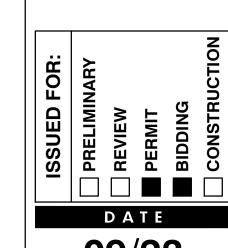
- 3. KEEP ADJACENT EXISTING PAVING AREA (WITH NO NEW WORK) AND CITY STREETS CLEAN AND FREE OF VISUAL TRACKING.
- 4. COORDINATE PARKING AREA CLOSURE WITH THE OWNER'S REPRESENTATIVE.
- 5. CONTRACTOR SHALL FIELD VERIFY THAT ALL ACCESSIBLE ROUTES AND ACCESSIBLE PARKING SPACES AND ACCESS AISLES MEET THE REQUIREMENTS FOR ACCESSIBILITY STANDARDS. IF FOUND TO BE NOT COMPLIANT, CONTRACTOR SHALL BRING PARKING SPACES AND ACCESS AISLES INTO COMPLIANCE.
- 6. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING GRADES SO THAT ALL NEW WORK MATCHES AND TIES INTO EXISTING SURFACES.
- 7. ANY SITE REQUIRED SECURITY FENCING SHALL BE COORDINATED BY THE CONTRACTOR WITH THE OWNER.
- 8. CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THE PROJECT AND SHALL PROVIDE CONSTRUCTION PER OSHA REQUIREMENTS, (LATEST), AS WELL
- 9. ALL DELIVERIES/SITE WORK CONSTRUCTION IS TO BE COORDINATED

AS OTHER APPLICABLE CODE REQUIREMENTS.

- WITH THE OWNER FOR SAFETY, ACCESS, AND SEQUENCE. 10. PROJECT CLEANLINESS: THE CONTRACTOR SHALL PROVIDE MANPOWER
- FOR JANITORIAL WORK IN ORDER TO PROVIDE PROJECT CLEANUP. TRASH, CONSTRUCTION DEBRIS, AND MUD SHALL NOT BE ALLOWED TO ACCUMULATE ANYWHERE ON THE PROJECT, WHETHER IN THE BUILDING, ON THE GROUNDS, IN THE ADJACENT AREAS OR IN THE STREETS SERVING AS DELIVERY AND HAUL OFF ROUTES.
- 11. NOISE CONTROL: EQUIPMENT LOCATIONS AND TIMING OR SEQUENCE OF WORK OPERATIONS SHALL BE COORDINATED WITH THE OWNER SO AS TO NOT CONFLICT WITH OR DISRUPT THE NORMAL DAILY OPERATIONS OF GROCERY STORE OR FUEL STATION.
- 12. UTILITY SERVICES: MAINTAIN EXISTING UTILITIES AND PROTECT AGAINST DAMAGES DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIES OR USED FACILITIES, EXCEPT WHEN AUTHORIZED BY THE OWNER.
- 13. DISPOSAL OF DEMOLISHED MATERIALS: REMOVE FROM SITE & LEGALLY DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OR NEW CONSTRUCTION OPERATIONS.
- 14. EXISTING BUILDING IS TO REMAIN OPEN & OPERABLE DURING THE CONSTRUCTION PROCESS. COORDINATE WITH THE OWNER FOR SAFETY ACCESS, AND SEQUENCE.
- 15. ALL EXISTING DISTURBED AREAS AFFECTED BY CONSTRUCTION SHALL BE HYDROMULCHED.
- 16. CONTRACTOR TO COORDINATE THE LOCATION OF STORAGE TRAILERS, MATERIAL SITE STORAGE & WORKER PARKING WITH THE OWNER'S REPRESENTATIVE.

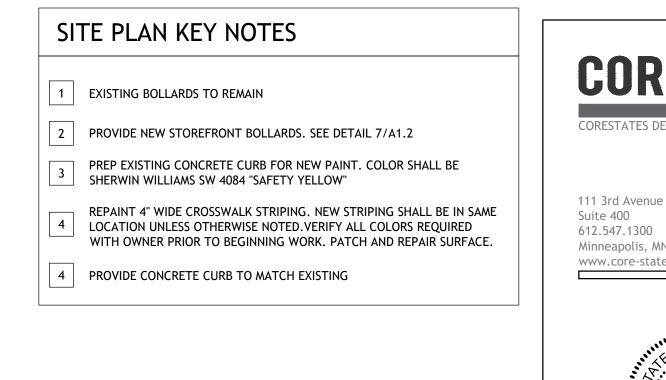
SITE PLAN KEY NOTES

- RE-PAINT EXISTING PARKING LOT AND DRIVE STRIPING, INCLUDING PARKING SPACES, ACCESSIBLE SYMBOLS, FIRE LANES, ETC. NEW STRIPING SHALL BE IN SAME LOCATION, UNLESS NOTED OTHERWISE. VERIFY ALL COLORS REQUIRED WITH OWNER PRIOR TO BEGINNING WORK. PATCH AND REPAIR SURFACE.
- 2 SITE ACCESS TO REMAIN
- ACCESSIBLE PARKING SPACE WITH EMBLEM & SIGNAGE. PARKING SPACE 3 AND ACCESS AISLE SHALL BE LEVEL WITH SURFACE SLOPSES NOT
- EXCEEDING 1:50 (2%) IN ALL DIRECTIONS, RE: DETAIL 5/A1.2 PROVIDE ACCESSIBLE PARKING SIGNAGE ON PIPE GUARD, RE: DETAIL
- 4 4/A1.2
- 5 GC TO REPAIR DOCK RAILING FENCE TO LIKE NEW CONDITION
- 6 CART CORRAL 7 WHEEL STOP, RE: DETAIL 3/A1.2
- 8 NEW PYLON SIGNAGE, SEE 8/A1.2, COORDINATE LOCATION WITH OWNER
- 9 EXISTING LANDSCAPING TO REMAIN
- 10 EXISTING PARKING LOT LIGHTS TO REMAIN
- 11 PROPERTY LINE

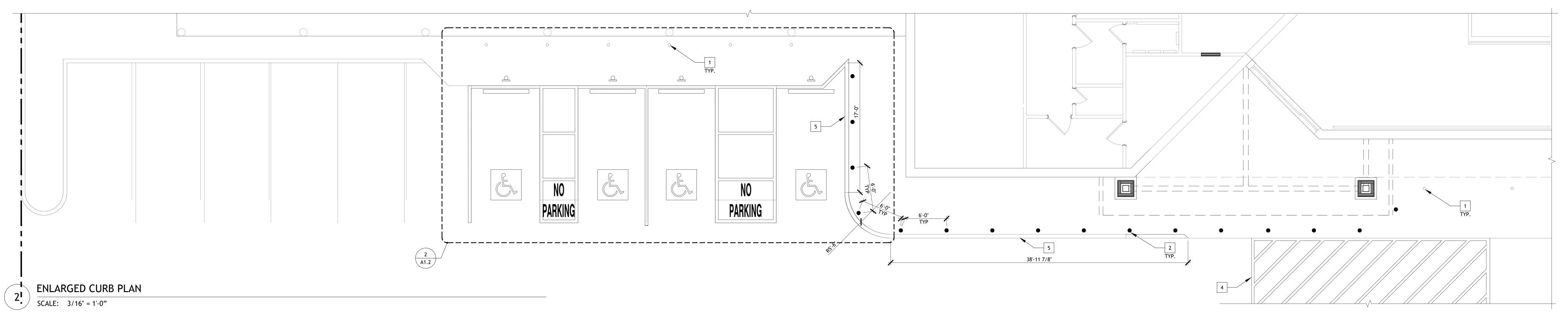


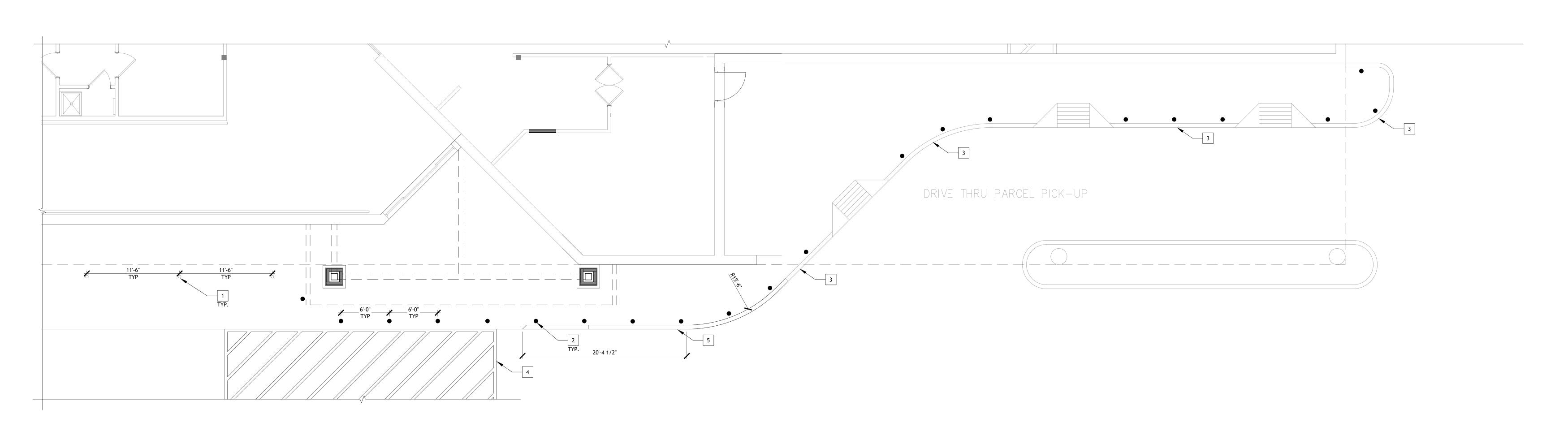
09/23
PROJECT NO. **4090200-0** 902 SHEET NO. A1.0

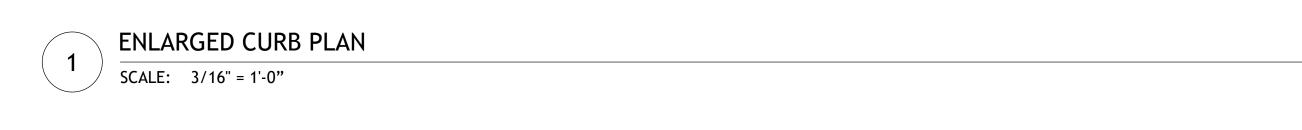
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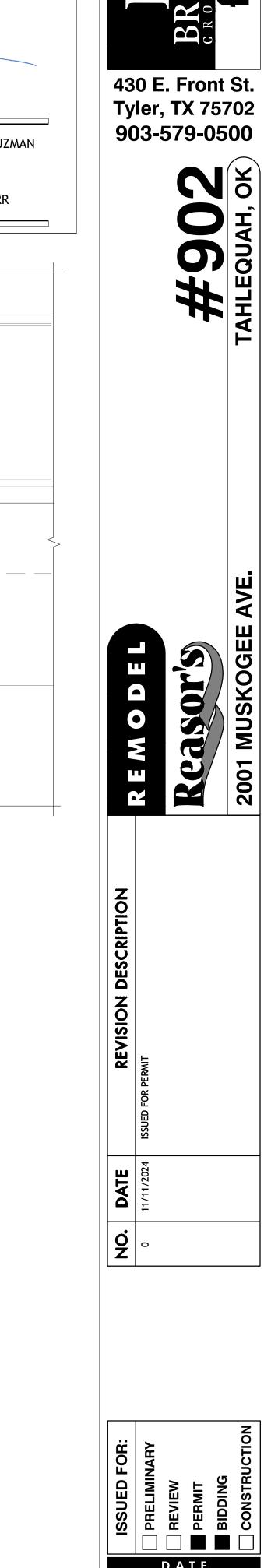




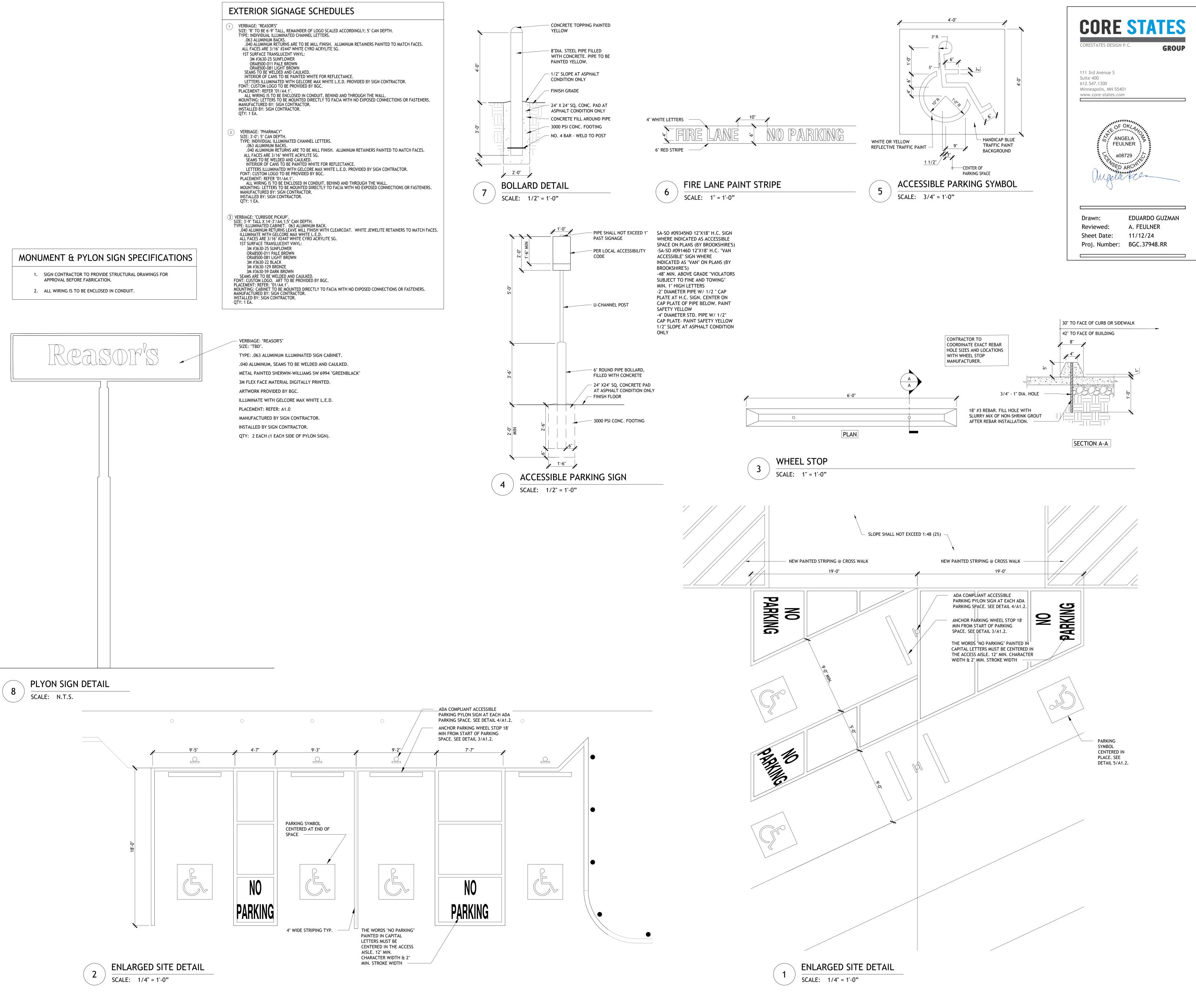












BROOKSHIIRE GROCERY COMPANY facility services

430 E. Front St. Tyler, TX 75702 903-579-0500

> #902 TAHLEQUAH, OK

Or's

Reaso

DATE REVISION DESCRIPTION
1/11/2024 ISSUED FOR PERMIT

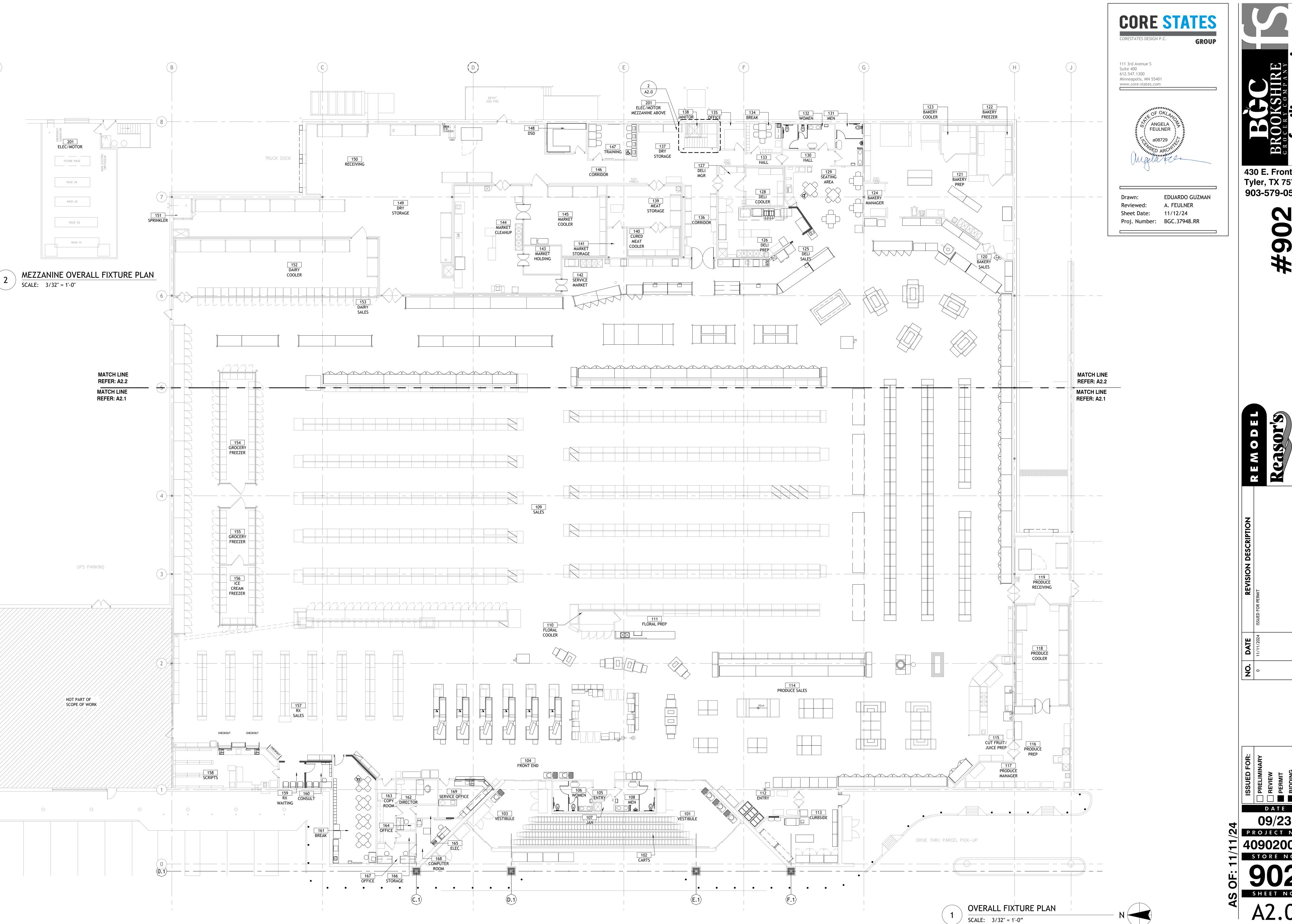
ISSUED FOR:

| PRELIMINARY
| REVIEW
| BIDDING
| CONSTRUCTION

09/23
PROJECT NO.
4090200-0
STORE NO.

4090200 STORE NO 902

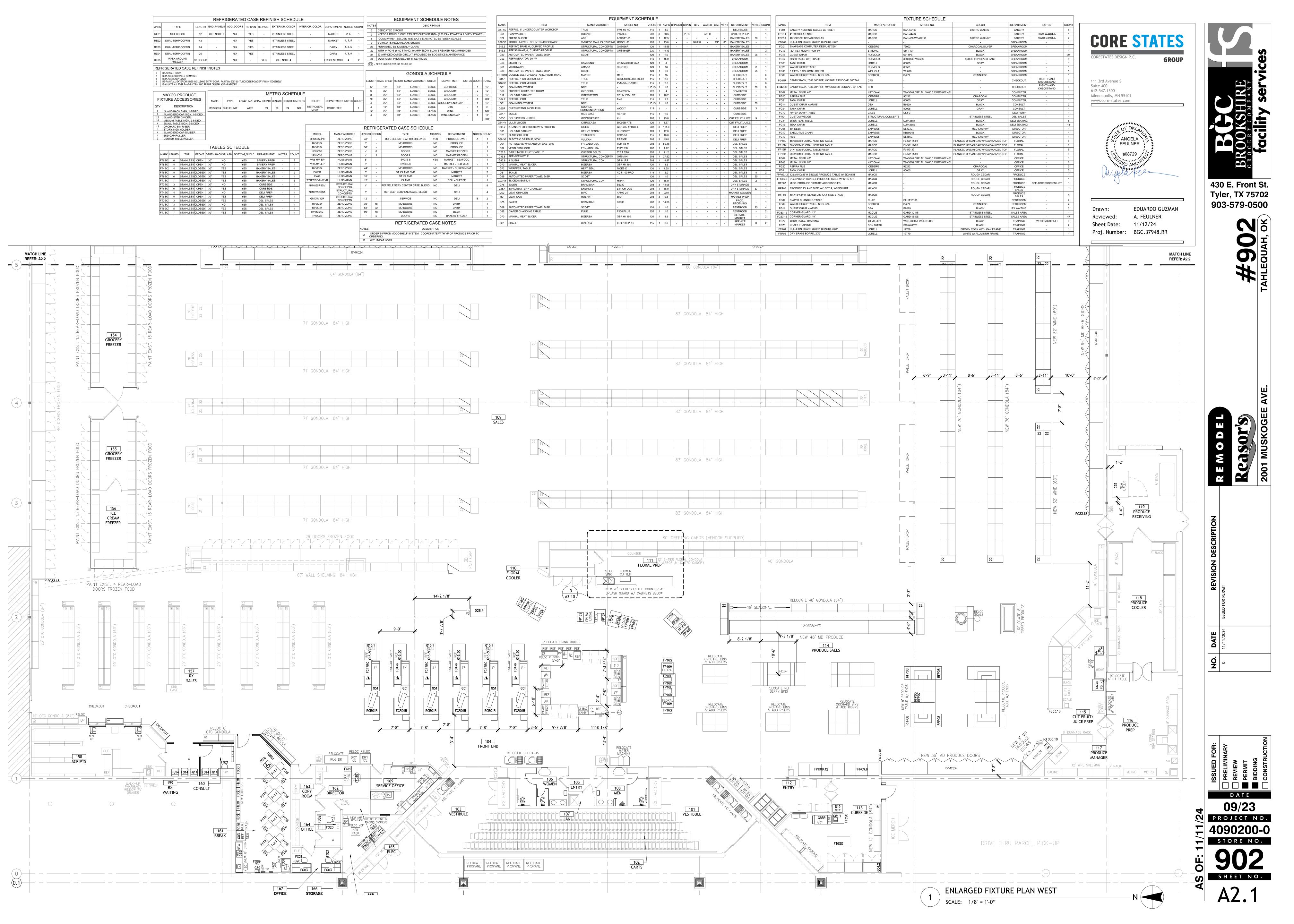
A1.2

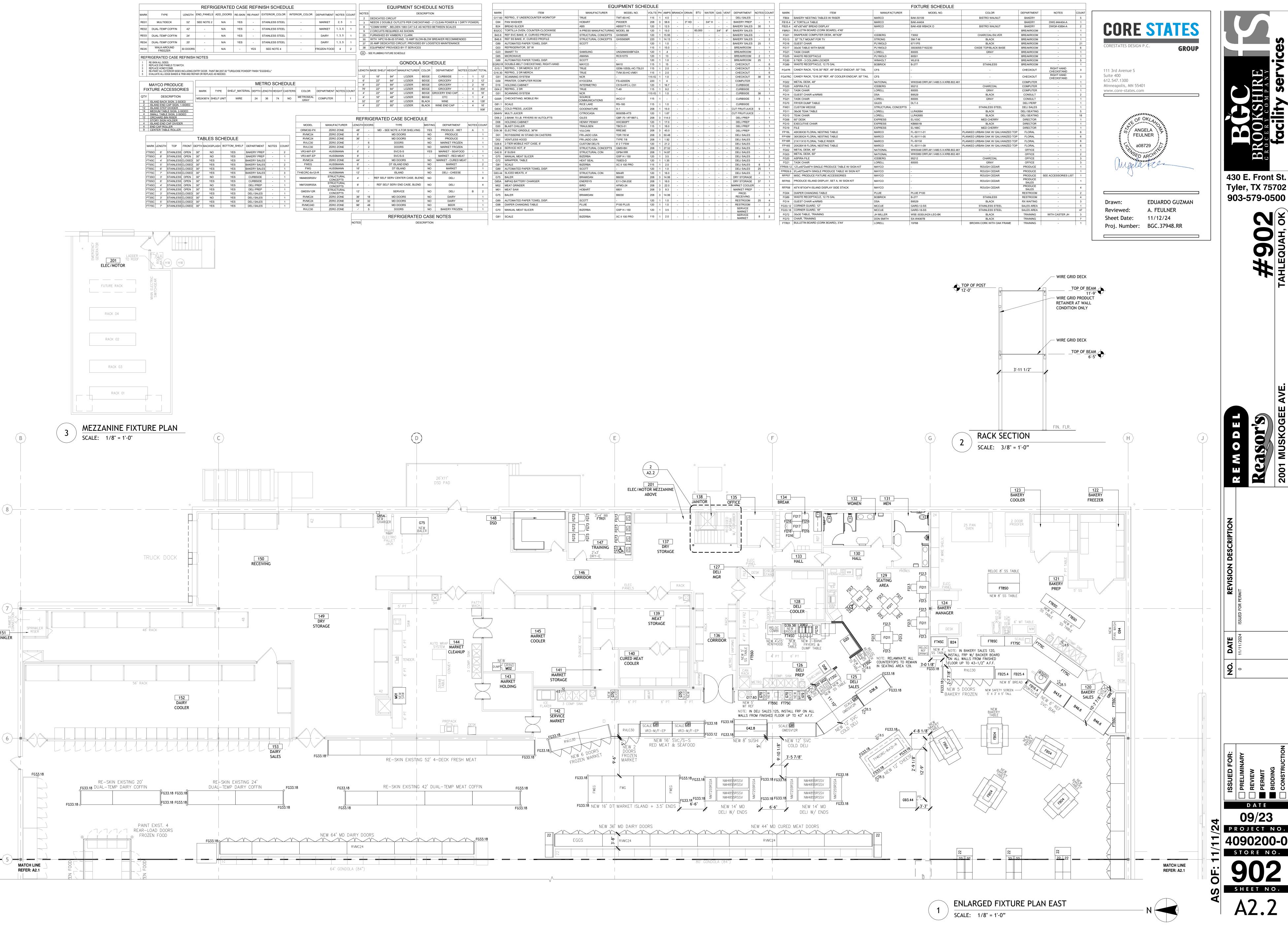


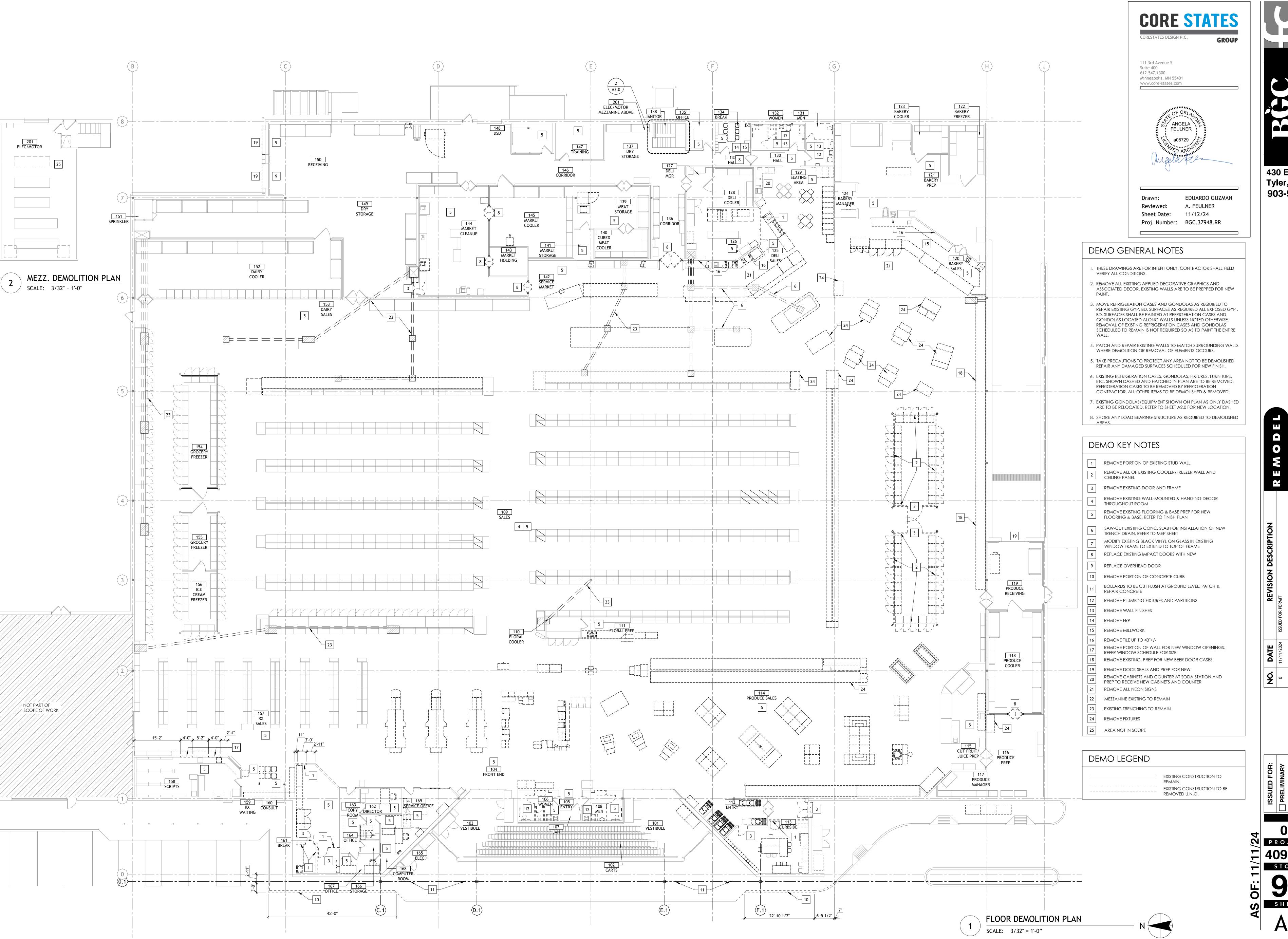
430 E. Front St. **Tyler, TX 75702** 903-579-0500

DATE

09/23 PROJECT NO. 4090200-0 STORE NO.







BROOKSHIIRE facility services

430 E. Front St. Tyler, TX 75702 903-579-0500

> #902 TAHLEQUAH, OK

Reasor's

ISSUED FOR PERMIT

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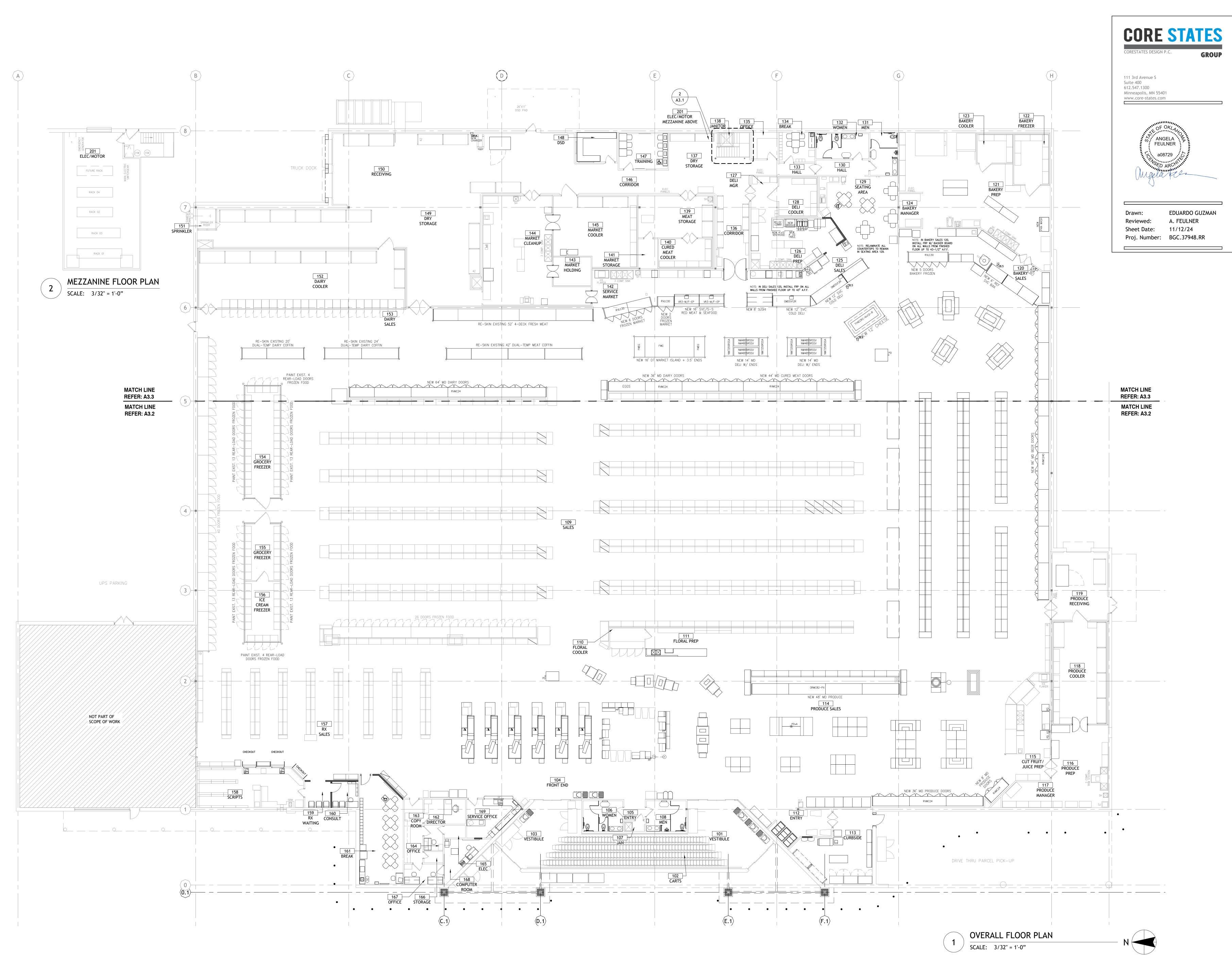
DATE

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PROJECT NO.

4090200-0
STORE NO.

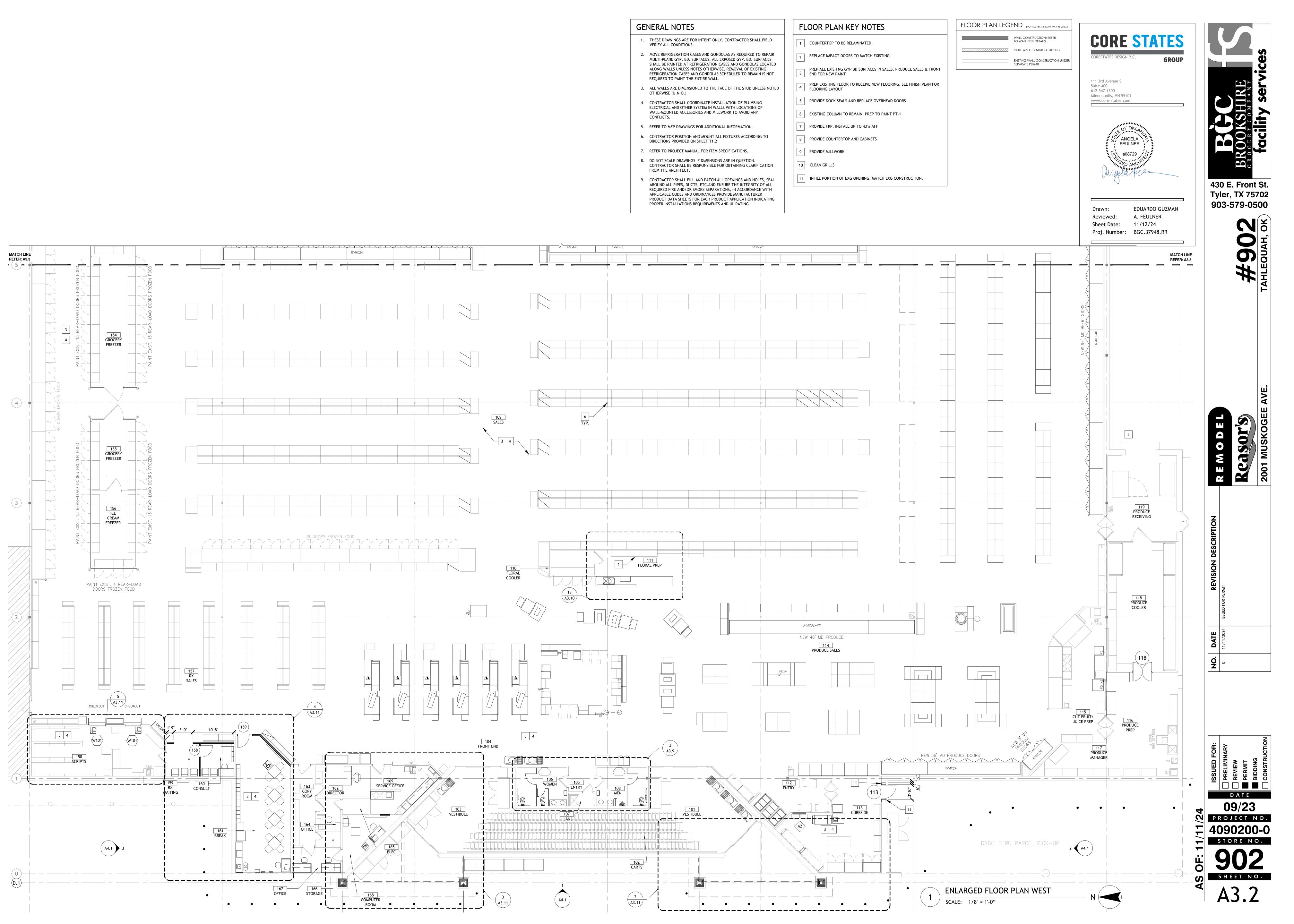
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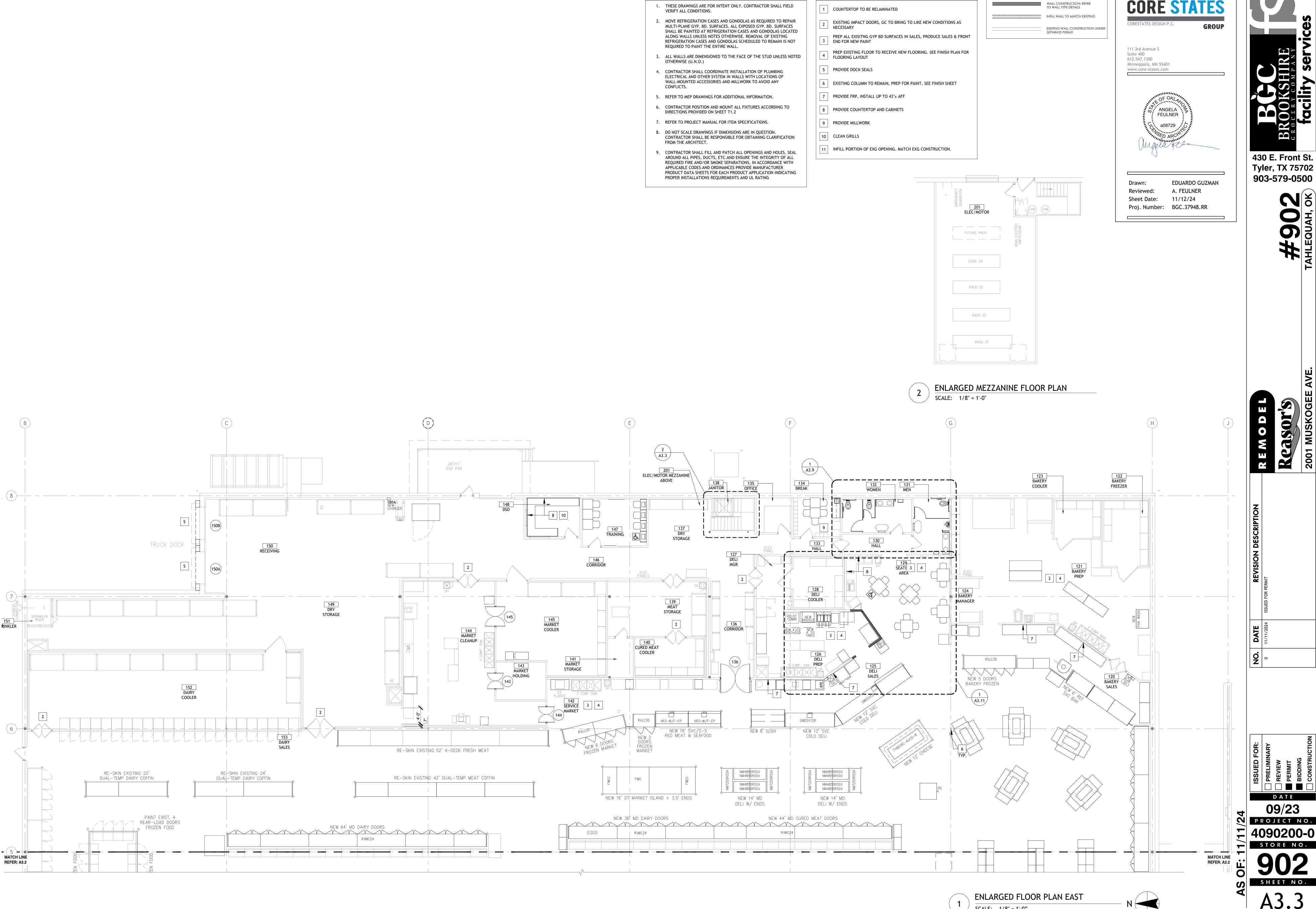
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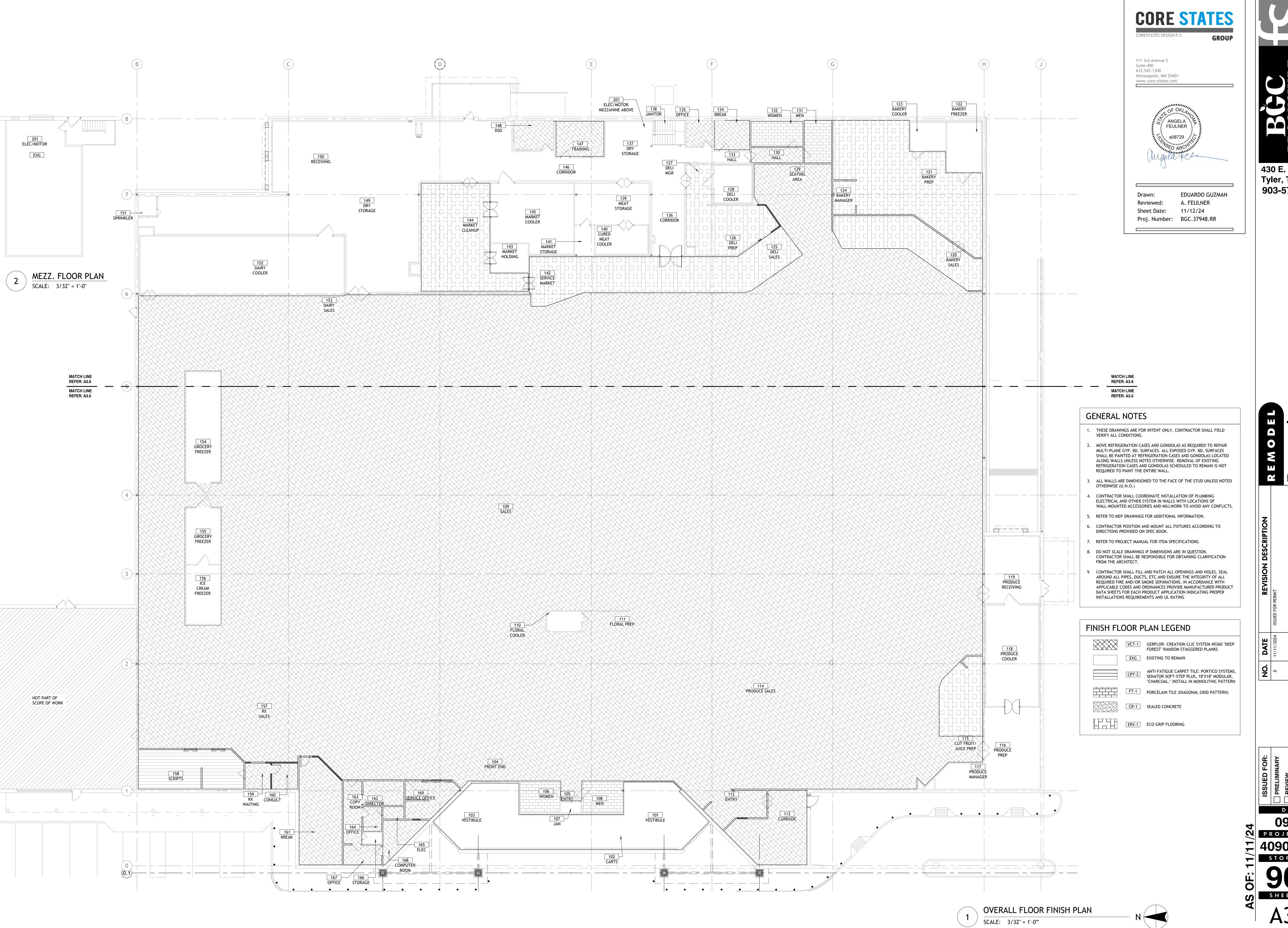
GENERAL NOTES

430 E. Front St.

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

FLOOR PLAN LEGEND (NOT ALL ITEMS BELOW MAY BE USED.)

FLOOR PLAN KEY NOTES

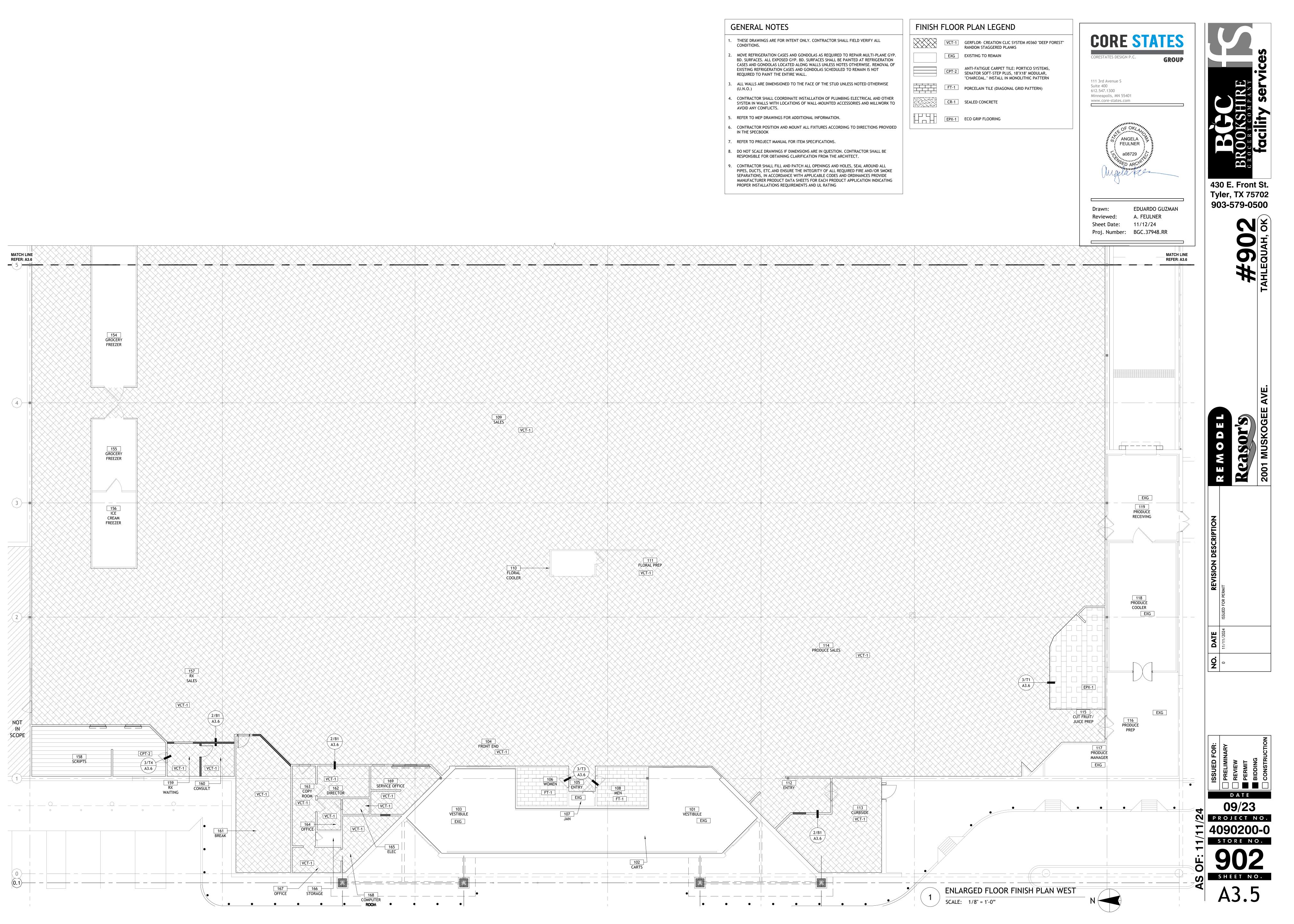


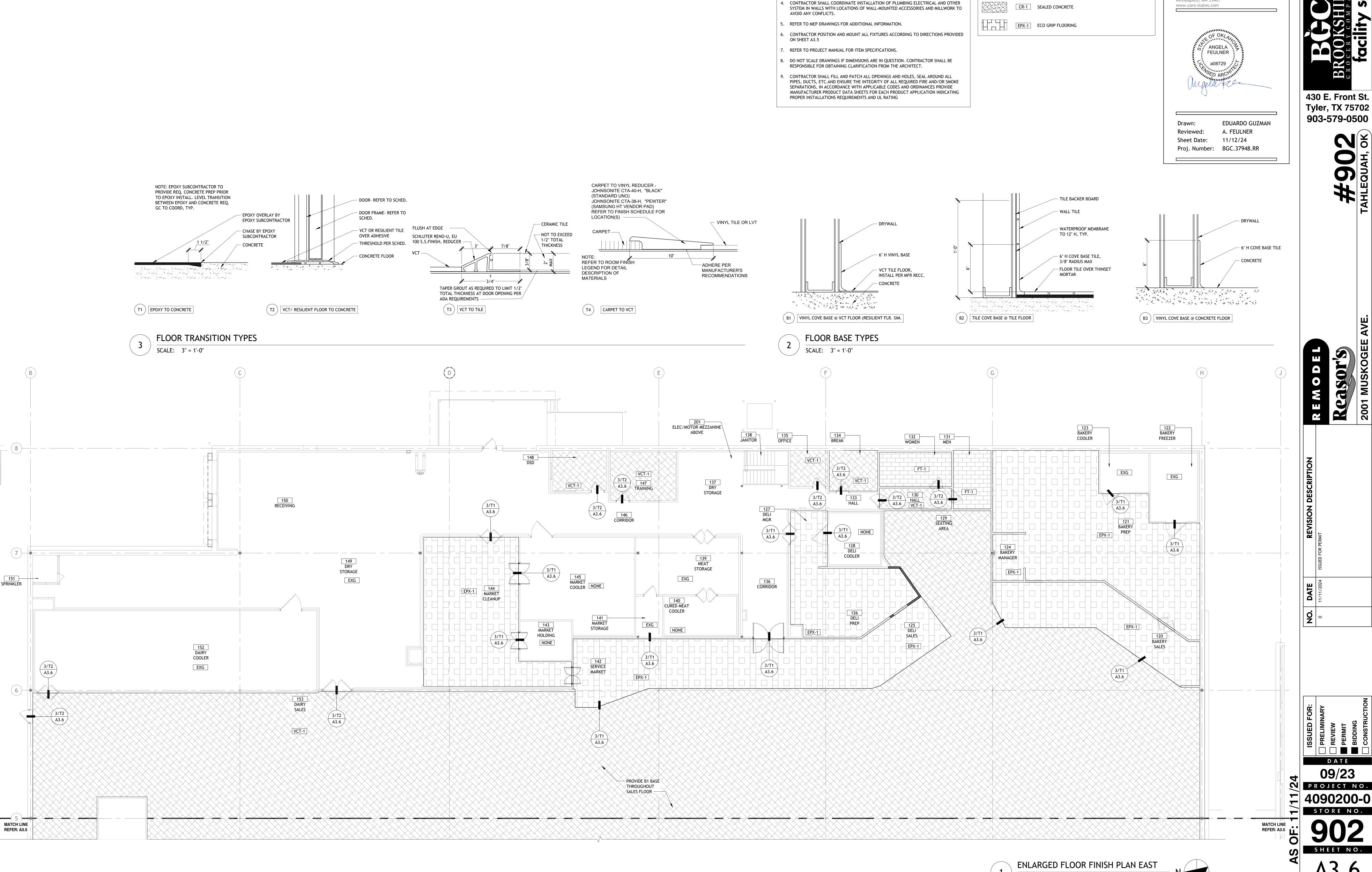
430 E. Front St.

Tyler, TX 75702 903-579-0500

Reasor

09/23
PROJECT NO. 4090200-0 STORE NO.





GENERAL NOTES

REQUIRED TO PAINT THE ENTIRE WALL.

. THESE DRAWINGS ARE FOR INTENT ONLY. CONTRACTOR SHALL FIELD VERIFY ALL

EXISTING REFRIGERATION CASES AND GONDOLAS SCHEDULED TO REMAIN IS NOT

. ALL WALLS ARE DIMENSIONED TO THE FACE OF THE STUD UNLESS NOTED OTHERWISE

MOVE REFRIGERATION CASES AND GONDOLAS AS REQUIRED TO REPAIR MULTI-PLANE GYP.

BD. SURFACES. ALL EXPOSED GYP. BD. SURFACES SHALL BE PAINTED AT REFRIGERATION CASES AND GONDOLAS LOCATED ALONG WALLS UNLESS NOTES OTHERWISE. REMOVAL OF FINISH FLOOR PLAN LEGEND

EXG EXISTING TO REMAIN

VCT-1 GERFLOR- CREATION CLIC SYSTEM #0360 "DEEP FOREST" RANDOM STAGGERED PLANKS

ANTI-FATIGUE CARPET TILE: PORTICO SYSTEMS,

"CHARCOAL." INSTALL IN MONOLITHIC PATTERN

SENATOR SOFT-STEP PLUS, 18"X18" MODULAR,

FT-1 PORCELAIN TILE (DIAGONAL GRID PATTERN)

CORESTATES DESIGN P.C.

111 3rd Avenue S

Minneapolis, MN 55401

Suite 400

612.547.1300

GROUP

430 E. Front St.

DOOR HARDWARE SCHEDULE							
HARDWARE GROUP 1 - REFER TO SPEC BOOK FOR SUPPLIER INFORMATION							
PBB-MAX NRP 4.5" SECURITY STUD HINGE	1 1/2 PR	DOO NO					
EXIT CONTROL DEVICE	1 EA						
VON DUPRIN - CX9975 EO DELAY EGRESS PANIC ALARM		113					
PS873 POWER SUPPLY W/AUX HORN TCH-458990	1 EA	118					
DORMA - ES105 POWER TRANSFER		130					
SCHLAGE LFIC MORTISE CYLINDER W/CONST. CORE	1 EA	130					
THRESHOLD	1 ST	14					
SILL SWEEP	1 EA	14					
WEATHER-STRIP SET W/ DRIP CAP	1 EA	14					
FULL LENGTH LATCH GUARD TCH-214305	1 EA	150					
HARDWARE GROUP 2 - REFER TO SPEC BOOK FOR SUF	PPLIER INFORMATION	150					
HARDWARE BY DOOR SUPPLIER APPROVED VENDOR STANLEY.		150					
HARDWARE GROUP 3 - REFER TO SPEC BOOK FOR SUF	PPLIER INFORMATION	159					
PBB-MAX NRP 4.5" SECURITY STUD HINGE	1 1/2 PR	1. RE					
KEYLOCK ENTRANCE HEAVY DUTY L-9453-J	1 EA	2. 11					
SCHLAGE LFIC MORTISE CYLINDER W/CONST. CORE	1 EA						
CLOSER	1 EA						
THRESHOLD	1 ST	G					
SILL SWEEP							
WEATHER-STRIP SET W/ DRIP CAP	1 EA	1.					
KICKPLATE 10" X 34"	1 EA	2.					
FULL LENGTH LATCH GUARD TCH-214305	1 EA	3.					
HARDWARE GROUP 4 - REFER TO SPEC BOOK FOR SUF	PPLIER INFORMATION						
HINGES (FBB179 4-1/2 X 4-1/2, 26D)	1 1/2 PR	4.					
LOCKSET - ND80JD	1 EA	5.					
CONSTRUCTION CORE	2 EA						
LCN CLOSER (1461 x RW/PA X SRT, AL)	1 EA						
WALL DOOR STOP (WS406/407-CCV, US26D)	1 EA						
180° DOOR VIEWER	1 EA						
SILENCERS (INCLUDED IN FRAME)	3 EA						
KICKPLATE 10" X 34"	1 EA						
HARDWARE GROUP #4A							
- SAME AS GROUP #4 EXCEPT PASSAGE SET D10 & NO VIEWER							
HARDWARE GROUP #4C							
- SAME AS GROUP #4 EXCEPT NO VIEWER							
HARDWARE NOTES							
1. ALL LOCKSETS TO BE SCHLAGE RHODES LEVER.							
2. HARDWARE FINISH TO BE 26D. UNLESS NOTED							

- GC IS RESPONSIBLE TO MOUNT DEVICE ON THE DOOR AND DRILL ALL RELATED HOLES FOR LOW VOLTAGE WIRING TO TAKE PLACE FOR LOADING DOCK DOOR REQUIREMENTS REFER TO SHEET E-8 FOR WIRING AND

- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MOUNT WIRE AND MOUNT TRANSFORMER AT CONVENIENT LOCATION. 10' ABOVE EACH FIRE EXIT. SPECIAL DOCK DOOR TRANSFORMER REQUIREMENTS ARE: 120V/ 1AMP. ELECTRICAL CONTRACTOR IS TO PULL BUILDING FIRE DETECTION WIRES TO EACH EXIT DOOR IN ACCORDANCE WITH LOCAL CODE. ELECTRICAL CONTRACTOR WILL ALSO PROVIDE CONDUIT PROTECTED LOW VOLTAGE WIRING FROM THE TRANSFORMER TO THE DEVICE. ELECTRICAL CONTRACTOR WALL MAKE

ALL LOW VOLTAGE CONNECTIONS. INSTRUCTIONS PROVIDED WITH PANICS. REFER TO GC.

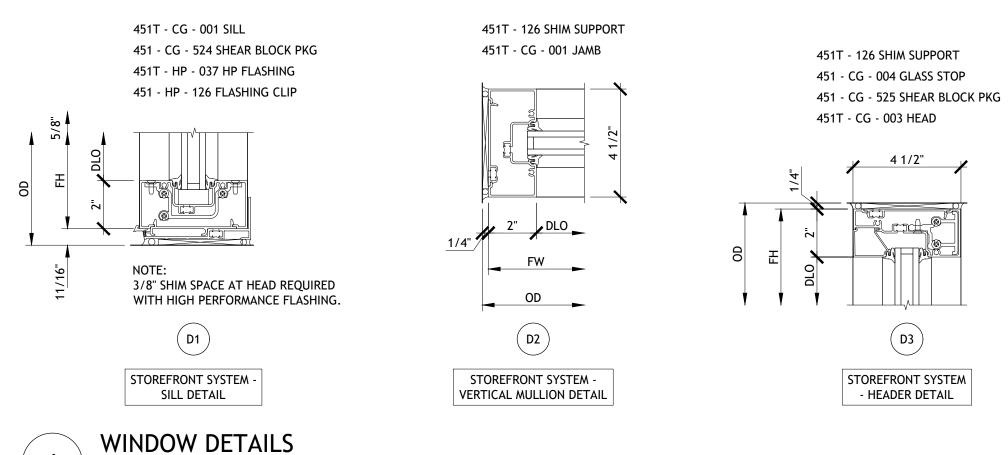
MOUNTING LOCATIONS PER DOOR TYPE.

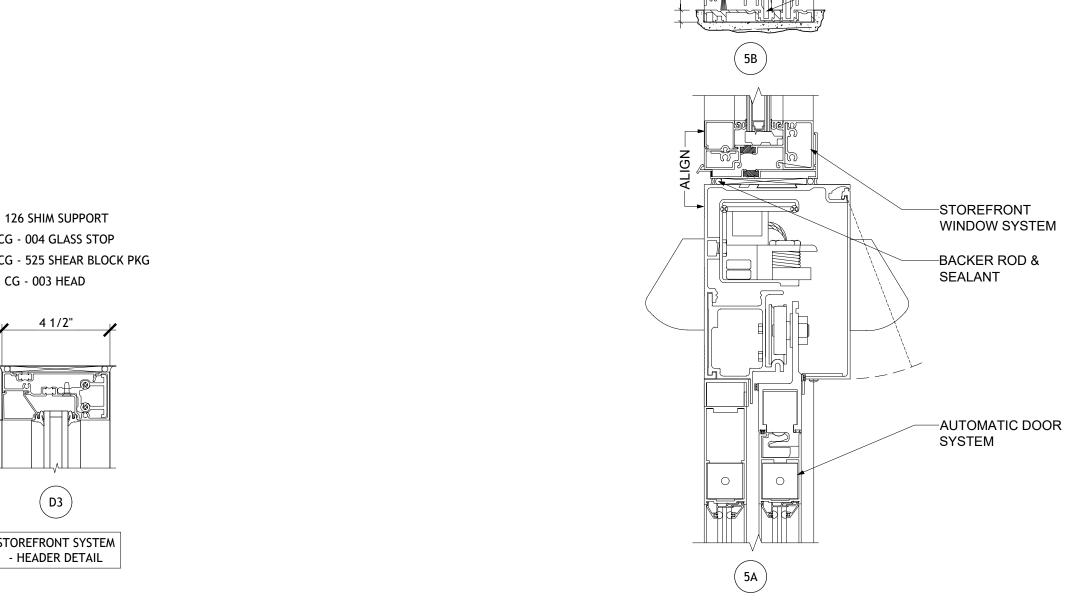
DOOR	ROOM NAME		SIZE			DOOR			AME	GLAZING	HDWR	NOTES
NO.	NOOM NAME	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	FINISH	3D 121110	SET	EXIT DOOR - PROVIDE PANIC HARDWARE
113	CURBSIDE	3'-6"	7'-0"	1 3/4"	В	STF	ALUM/GL	1	DK BRNZ	-	2	
118	PRODUCE COOLER	5'-0"	7'-0"	1 3/4"	А	STL	PT	2	PT	-	2	
136	CORRIDOR	7'-0"	8'-0"	1 3/4"	Α	STL	PT	2	PT	-	-	SEE NOTE #2 BULKHEAD AT 9'-0" AFF
139	MEAT STORAGE	4'-9"	7'-0"	1 3/4"	Α	STL	PT	2	PT	-	4A	
143	MARKET HOLDING	4'-0"	8'-0"	1 3/4"	Α	STL	PT	2	PT	-	-	SEE NOTE #2 BULKHEAD AT 9'-0" AFF
144	MARKET CLEANUP	4'-0"	8'-0"	1 3/4"	Α	STL	PT	2	PT	-	-	SEE NOTE #2 BULKHEAD AT 9'-0" AFF
145	MARKET COOLER	5'-0"	8'-0"	1 3/4"	Α	STL	PT	2	PT	-	-	SEE NOTE #2 BULKHEAD AT 9'-0" AFF
150A	RECEIVING	8'-0"	8'-0"		Е	MFR						
150B	RECEIVING	8'-0"	8'-0"		Е	MFR						
158	CONSULT	3'-0"	7'-0"	1 3/4"	С	НМ	PT	2	PT	-	4A	
159	BREAK ROOM	3'-0"	7'-0"	1 3/4"	С	НМ	PT	2	PT	-	1	

ENERAL DOOR NOTES

- ALL DOORS TO BE PRE-MORTISED & BORED FOR HARDWARE GC TO COORDINATE ALL DOOR HARDWARE WITH SECURITY CONTRACTOR FOR ALARM &
- (EYCARD ACCESS CONTRACTOR TO COORDINATE ALL HARDWARE NEEDS WITH OWNER PRIOR TO ORDERING
- DOORS. CONTRACTOR TO INSTALL. ARCHITECT TO VERIFY HARDWARE PACKAGE. CONTRACTOR TO PROVIDE, INSTALL & REINFORCE FRAMES FOR ALL DOUBLE ACTING TRAFFIC
- OORS, PER MANUF. SPECS. ENTRANCE DOOR GLAZING & ALL GLAZING ADJACENT TO & WITHIN 24" OF DOORS & WITHIN 60" OF FLOOR MUST BE IMPACT RESISTANT TEMPERED GLASS. GLAZING PANELS LARGER THAN 9 SQFT. W/ BOTTOM EDGE LESS THAN 18" ABOVE ADJACENT FLOOR OR WALKING SURFACE MUST BE IMPACT RESISTANT TEMPERED GLASS.

WINDOW SCHEDULE										
WINDOW ID ROOM NAME	FRA	AME	GLAZING			DETAILS			NOTES	
			MATERIAL	FINISH		HEAD	MULLION	JAMB	SILL	CORNER
101	SCRIPTS	ALUM	CL ANODIZED	GL-1, TMP	D3/A3.3	-	D3/A7.3	D1/A3.3	-	KAWNEER OR EQUAL
ABBREVIATIONS: GL- GLAZING, TMP- TEMPERED, ALUM- ALUMINUM, NA- NOT APPLICABLE. SEE FINISH SCHEDULE FOR GLAZING SPEC, TYP.										

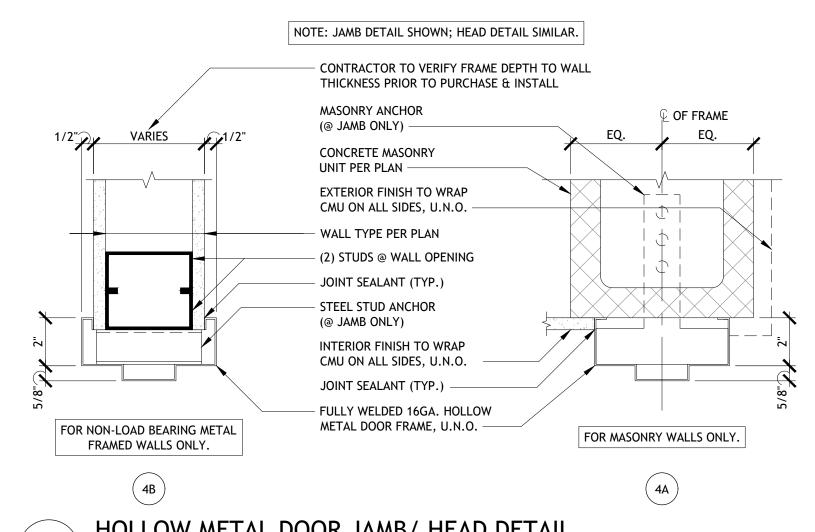




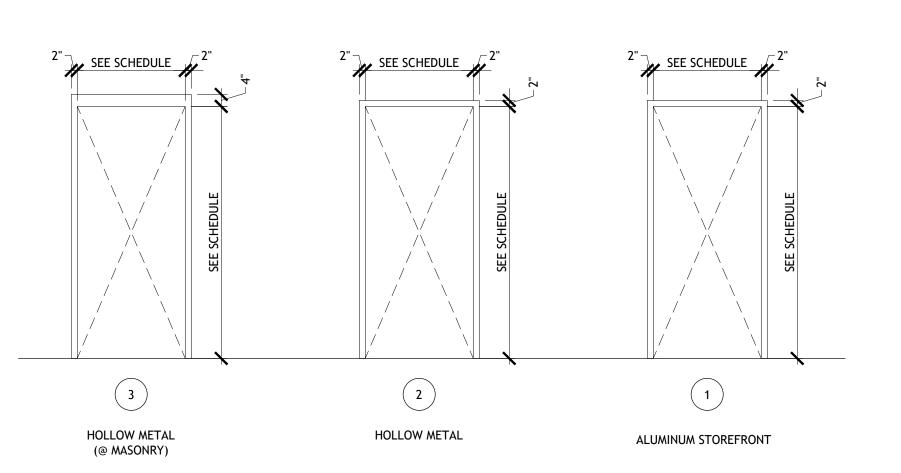


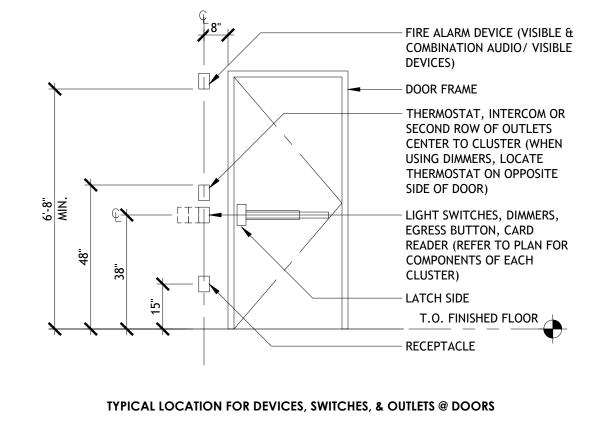
-AUTOMATIC DOOR

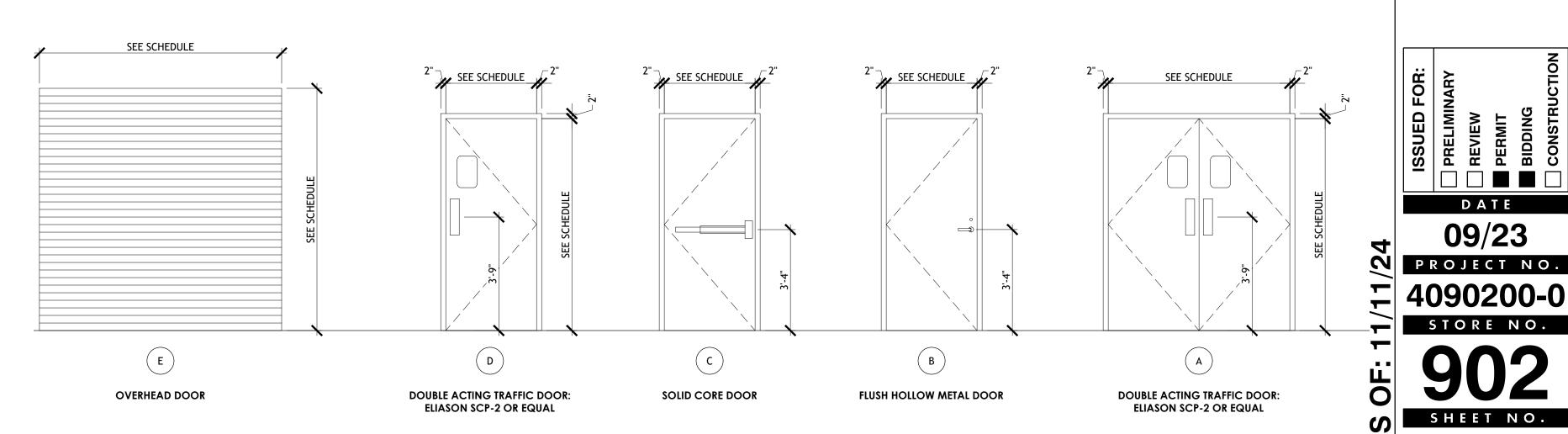
-INSET THRESHOLD IN CONCRETE FLOOR

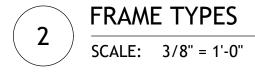




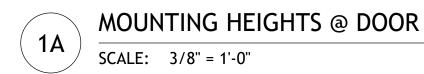




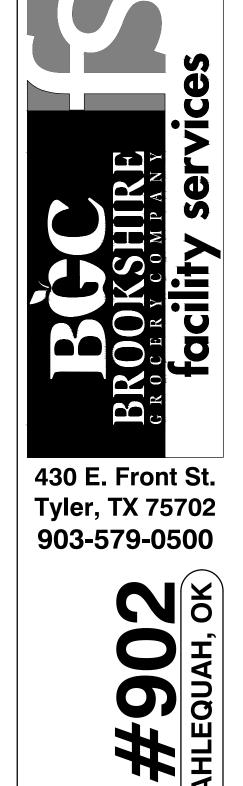




SCALE: 3" = 1'-0"







DATE

09/23

CORESTATES DESIGN P.C.

111 3rd Avenue S Suite 400 612.547.1300

Minneapolis, MN 55401 www.core-states.com

> ANGELA ' FEULNER

Sheet Date: 11/12/24

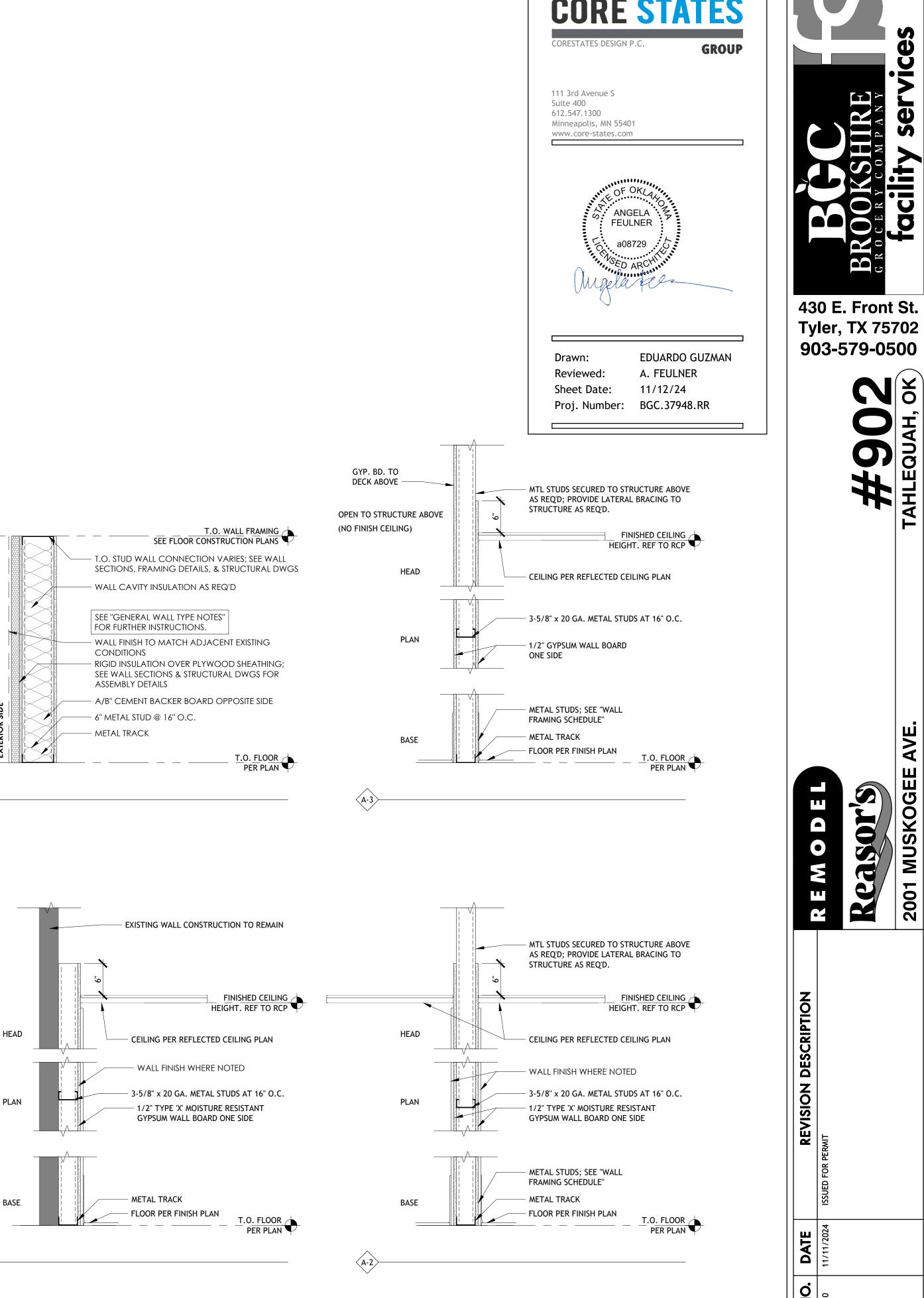
Proj. Number: BGC.37948.RR

EDUARDO GUZMAN

A. FEULNER

GROUP

A. NOT ALL WALL TYPES SHOWN ON THIS SHEET MAY BE USED; REFER TO CONSTRUCTION FLOOR					-	H SCHEDULE							
A. NOT A		SHOWN ON THIS	SHEET MAY	BE USED; REFER TO CONSTRUCTION FLOOR	ACT / ACOUS	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	l
ON SU	3STRATE &/or F ONDITION AT TH	FINISH PLAN(s) &/ HE TOP OF WALLS	or INTERIOF SHALL VAR		ACT-1 CR / CONCRE	SEE RCP	ARMSTRONG	PANELS AND GRID SYSTEM 24X48	WHITE/WHITE	А	CLEAN ROOM VL, PRELUDE ML 15/16" EXPOSED T SYSTEM		
C.1. <u>FULL HEIGHT</u> WALLS TO TERMINATE @ UNDERSIDE OF STRUCTURE ABOVE C.2. <u>PARTIAL HEIGHT</u> WALLS SHALL TERMINATE ABOVE ARCHITECTURAL CEILINGS WITH			ID CD 1	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	_		
	DIAGONAL BRACING FROM TOP PLATE OR TRACK TO UNDERSIDE OF STRUCTURE ABOVE UNLESS NOTED OTHERWISE.			CR-1	HALL FLOORING	TBD	SEALED						
D. ALL ST	RUCTURAL CON		ING SIZE/ SI	PACING, BLOCKING, ETC., SHOWN ON	ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	
ETC. S		CTURAL DRAWING		RAL DRAWINGS. INSTRUCTIONS, DETAILS, AKE PRECEDENCE & SUPERCEDE ANY	CPT-1	VESTIBULE	MATTOWRKS	REPP-TILE	ATHRACITE	2	DIAGONAL PATTERN		_
		RNATE BID FOR G RD (WHERE NOTEI		IFIC "DENSHIELD" TILE BACKER IN LEW OF	CPT-2 EPX / EPOXY	PHARMACY	PORTICO SYSTEMS	18X18 ANTIFATIGUE CARPET TILE	CHARCOAL		MONOLITHIC PATTERN		
				MING MEMBERS, UNLESS NOTED ER INFORMATION.	ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	
			•	INLESS NOTED OTHERWISE. OF STRUCTURE ABOVE @ ALL AREAS W/	FT / FLOOR 1	EPOXY FLOORING	ECOGRIP						
EXPOS	ED CEILINGS & F	FULL HEIGHT WAL	LLS.	RAMING WHERE PACK-OUT WALL	ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS INSTALL PER MANUFACTURER'S REQUIREMENTS.	
J. ALL G	PSUM WALL BO	ATED, UNLESS NO ARD IN TOILET O		WISE. ET" ROOMS IS TO BE MOISTURE & MOLD	FT-1	RESTROOMS	SPECCERAMICS	ON SQUARE 12X24"	AVORIO	A	12X24 PORCELAIN FIELD TILE	MAX 1/8" THICK MATCH #10 ANTIQUE WHITE GROUT BY CUSTOM BUILDING PRODUCTS	
RESIST	ANT.				FRP / FIBERG	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	
					FRP-1	FRP, BOH		SMOOTH	WHITE	A	SMOOTH FINISH FRP	, caryo de do	
FREEZ	ER/ CO	OLER WA	ALL TY	PE NOTES	GL / GLAZINO	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	
A. INSULA	TED COOLER/ F	FREEZER WALL PA	ANEL TO VAR	Y IN THICKNESS AS FOLLOWS:	GL-101	GLAZING STOREFRONT	VIRACON OR EQ.	LOW E GLASS VEI-48	CLEAR/TEMPERED	А	DUAL PANE WINDOW STOREFRONT SYSTEM	TEMPERED	
2. 4	1/2" THK @ "CO 1/2" THK @ "FRI	REEZER"			LAM / PLASTI	C LAMINTE - FOR REFEREN LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	
MANU	ACTURER.			BY FREEZER/ COOLER	LAM-1	PHARMACY	LAMIN-ART	VELVA-TEX FINISH	MYSTIC WOOD #3056-VT	527100	2.250.00.11011		-
	O VERIFY FREEZ CHITECT FOR AP		DRAWING ער	S WITH CONSTRUCTION & SUBMIT	LAM-2	PARTITIONS, MENS,WOMENS RR	ABET LAMINATI OR EQ.	1722 SEI DUE	MATCH 1722 SEI DUE				
	_	_			MTL / METAL	S	,,,,,,,	COPYLE CENTRAL	601.00	C1 + C -	DECCRIPTION.	DELL'EVA	
CMU ^s	SIZING SO	CHEDULE			MTL-1	STAINLESS STEEL WALL	MANUF. TBD	STYLE/FINISH	COLOR	CLASS	DESCRIPTION STAINLESS STEEL PANEL	REMARKS	
SUBTYPE	DEPTH (NOMINAL)	HEIGHT (NOMINAL)	WIDTH (NOMINAL)	NOTES		PANEL AT HOODS EXTERIOR STEEL FRAMING					MATCH ALUM. STOREFRONT FINISH		
.4 .6	4" 6"	8" 8"	16" 16"		PT / PAINTS								
.8 .10 .12 .16	8" 10" 12" 16"	8" 8" 8"	16" 16" 16" 16"	ARCHITECTURAL SPLIT FACE	PT-1	TYPICAL WALLS	MANUF. BENJAMIN MOORE OR EQ.	STYLE/FINISH EGG SHELL	MATCH SEA FROTH 2107-60	CLASS A	DESCRIPTION LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR MULTI-SURFACE APPLICATION	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	_
NOTES	1755 NOTED + D6		-p. 0./-p	DUIL DIVIS LAVOUT SUDSOUTDASTOD TO	PT-2	TYPICAL DOORS AND TRIM AT WALLS	BENJAMIN MOORE OR EQ.	SEMI-GLOSS	MATCH SEA FROTH 2107-60	А	LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	
DETERM 2. G.C. TO	 WIDTH SIZES NOTED ABOVE MAY VARY PER OVERALL BUILDING LAYOUT; SUBCONTRACTOR TO DETERMINE FINAL WIDTH TO ALIGN W/ PLAN DIMENSIONS. G.C. TO HOLD OUT-TO-OUT (EXTERIOR) DIMENSIONS OF MASONRY AS SHOWN ON PLAN. ALL OTHER INTERIOR DIMENSIONS ARE TO BE VERIFIED IN FIELD. 			PT-3	CEILING / DUCTWORK	BENJAMIN MOORE OR EQ.	EGGSHELL	MATCH CAMEO WHITE 915	A	MULTI-SURFACE APPLICATION LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR MULTI-SURFACE APPLICATION	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	ERIOR SIDE	
					PT-4	SOFFITS /TRIM	BENJAMIN MOORE OR EQ.	EGGSHELL	MATCH AC 32 PISMO DUNES	А	LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	EXTERI
\A/A	WALL FRAMING SCHEDULE			PT-5	SOFFITS /TRIM	BENJAMIN MOORE OR EQ.	SEMI-GLOSS	MATCH AC 32 PISMO	Δ.	MULTI-SURFACE APPLICATION LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS	P 2	
SUBTYPE	DEPTH	STRUCTURE	SPACING	NOTES	- -	SOFFIIS / I KIIW	BENJAMIN MOOKE OK EQ.	SEMI-GLOSS	DUNES	A	MULTI-SURFACE APPLICATION LOW VOC COMMERCIAL	APPLY PAINT PER MANUF SPECS.	B-3
.E or .0	EXISTING 1-1/2"	EXISTING 2x ON FLAT	EXISTING 16" O.C.	SUBSTRATE ONLY (AS INDICATED IN WALL TYPE) FURRING AT SPACING INDICATED IN WALL TYPE	PT-6	WOMENS RR - WALLS	BENJAMIN MOORE OR EQ.	EGGSHELL	MATCH 2148 -50 SANDY WHITE	A	INTERIOR LATEX PAINT FOR MULTI-SURFACE APPLICATION	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	
.3	2-1/2" 3 1/2"	METAL 2x4	16" O.C.	TYPICAL, DEFAULT WOOD STUD SIZE TYPICAL, DEFAULT METAL STUD SIZE	PT-7	MENS RR - WALLS	BENJAMIN MOORE OR EQ.	EGGSHELL	MATCH 2137-60 GRAY OWL	Α	LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	
.4 .5	3-A/B" 4" 5 1/2"	METAL METAL 2x6	16" O.C. 16" O.C. 16" O.C.	LOAD BEARING WALLS ONLY	EPT / EXTERI	OR PAINTS					MULTI-SURFACE APPLICATION		
.6 .7 .8	6" 7 1/4" 8"	METAL 2x8 METAL	16" O.C. 16" O.C. 16" O.C.		ID EPT-1	LOCATION	MANUF. SHERWIN-WILLIAMS	STYLE/FINISH EGG SHELL	SW CUSTOM AMARILLO WHITE	CLASS A	DESCRIPTION LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	
.9 NOTES	9 1/4"	2x10	16" O.C.		EPT-2	EXTERIOR	SHERWIN-WILLIAMS	SEMI-GLOSS	SW 2845 BUNGLEHOUSE	٨	MULTI-SURFACE APPLICATION LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS	_
1. METAL S	TUD GAUGE:	DEADING DARTIT	TIONE . OO C	AUGE LINEERS NOTED OTHERWISE	EPI-Z	EXTERIOR	SHERWIN-WILLIAMS	SEMI-GLOSS	GRAY	A	MULTI-SURFACE APPLICATION LOW VOC COMMERCIAL	APPLY PAINT PER MANUF SPECS.	_
				AUGE, UNLESS NOTED OTHERWISE. ATED IN STRUCTURAL DRAWINGS.	EPT-3	EXTERIOR	SHERWIN-WILLIAMS	EGGSHELL	SW 6335 FIRED BRICK	A	INTERIOR LATEX PAINT FOR MULTI-SURFACE APPLICATION	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	- HE
	JCTURAL DRAWI			TED IN DETAILS & SECTIONS.	EPT-4	EXTERIOR	SHERWIN-WILLIAMS	EGGSHELL	SW 3532 HILL COUNTRY	А	LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR MULTI-SURFACE APPLICATION	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	HE
4. STRUCT	JRAL DRAWINGS	S TO SUPERCEDE	GAUGE & SP	ACING INDICATED ABOVE.	EPT-5	EXTERIOR	SHERWIN-WILLIAMS	SEMI-GLOSS	SW 6994 GREENBLACK	Α	LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR MULTI-SURFACE APPLICATION	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.	PL
					ID EXC / EXTERI	OR CLADDING LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	
					EXC-1	EXTERIOR	KNOTWOOD		MUSKET GREY				
					ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	
					ROOF-101 SS / SOLID SU	METAL ROOF JRFACE	DMI METALS	TL25 PROFILE	MUSKET GREY		STANDING SEAM METAL ROOF	CONTINUOUS GUTTER	BA
					ID SS-1	LOCATION WOMEN/MENS RR - COUNTER	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	
					WB / WALL B	ASE			40.00	C: ::			B-2
					WB-1	LOCATION COVE BASE TILE, RR	MANUF. LOUISVILLE TILE	STYLE/FINISH	COLOR COTTON/GLOSSY	CLASS	DESCRIPTION 6"X12" COVE BASE TILE	REMARKS INSTALL PER MANUFACTURERS REQUIREMENT	
					WB-2	TOP SET COVE BASE - RR	LOUISVILLE TILE		COTTON/GLOSSY		6" TOP SET COVE BASE, BULLNOSE TOP	INSTALL PER MANUFACTURERS REQUIREMENT	
					WD/ WOOD F	FINISH - FOR REFERENCE O	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	
					WD-1	EXTERIOR	KNOTWOOD	HILL COUNTRY	SW3532		4" CLADDING ST. KEC150	INSTALL PER MANUFACTURERS REQUIREMENT	
					WT / WALL T	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	1
					WT-1	WALL TILE	LOUISVILLE TILE	12X24 / GLOSSY	GRAY		BRICK PATTERN	GROUT SHALL BE LATICRETE, SPECTRALOCK PRO EPOXY, #45 "RAVEN" W/ 1/8" GROUT SPACERS	
					WT-2	WALL TILE	LOUISVILLE TILE	4X12 TRIM (12X12 MOSAIC CUT IN (2)6X12 STRIPS	GRAY		3X6" SUBWAY TILE	GROUT SHALL BE LATICRETE, SPECTRALOCK PRO EPOXY, #45 "RAVEN" W/ 1/8" GROUT SPACERS	1
					WT-3	WALL TILE	LOUISVILLE TILE	12X24 / GLOSSY	LIGHT		VERTICAL PATTERN	GROUT SHALL BE LATICRETE, SPECTRALOCK PRO EPOXY, #60 "DUSTY GREY" W/ 1/8" GROUT	_ HI
												SPACERS GROUT SHALL BE LATICRETE, SPECTRALOCK PRO	
					VCT / VCT FL	WALL TILE LOORING	LOUISVILLE TILE	3X12	GRAY		BULLNOSE	EPOXY, #45 "RAVEN" W/ 1/8" GROUT SPACERS	
					ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS	Pl
					VCT-1	SEE FINISH PLAN	GERFLOR	CREATION CLIC SYSTEM 0360	DEEP FOREST	A	RANDOM STAGGERED PLANKS	INSTALL PER MANUFACTURER'S REQUIREMENTS.	



- EXISTING WALL CONSTRUCTION TO REMAIN

CEILING PER REFLECTED CEILING PLAN

- 2-1/2" x 20 GA. METAL STUDS AT 16" O.C.

T.O. FLOOR
PER PLAN

— 1/2" TYPE 'X' MOISTURE RESISTANT GYPSUM WALL BOARD ONE SIDE

----- WALL FINISH WHERE NOTED

- METAL STUDS; SEE "WALL

FRAMING SCHEDULE"

— FLOOR PER FINISH PLAN

- METAL TRACK

 $\frac{\text{DRAWING LABEL}}{\text{SCALE:}} \quad 1'-0" = 1'-0"$

FINISHED CEILING
HEIGHT. REF TO RCP

PLAN

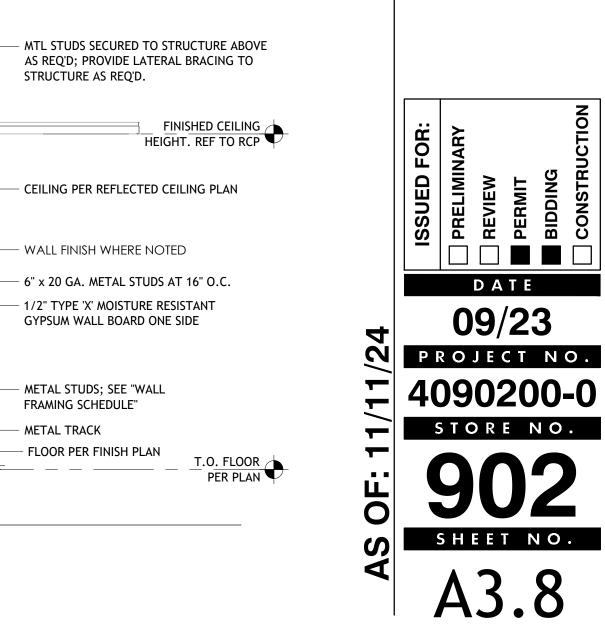
A-1

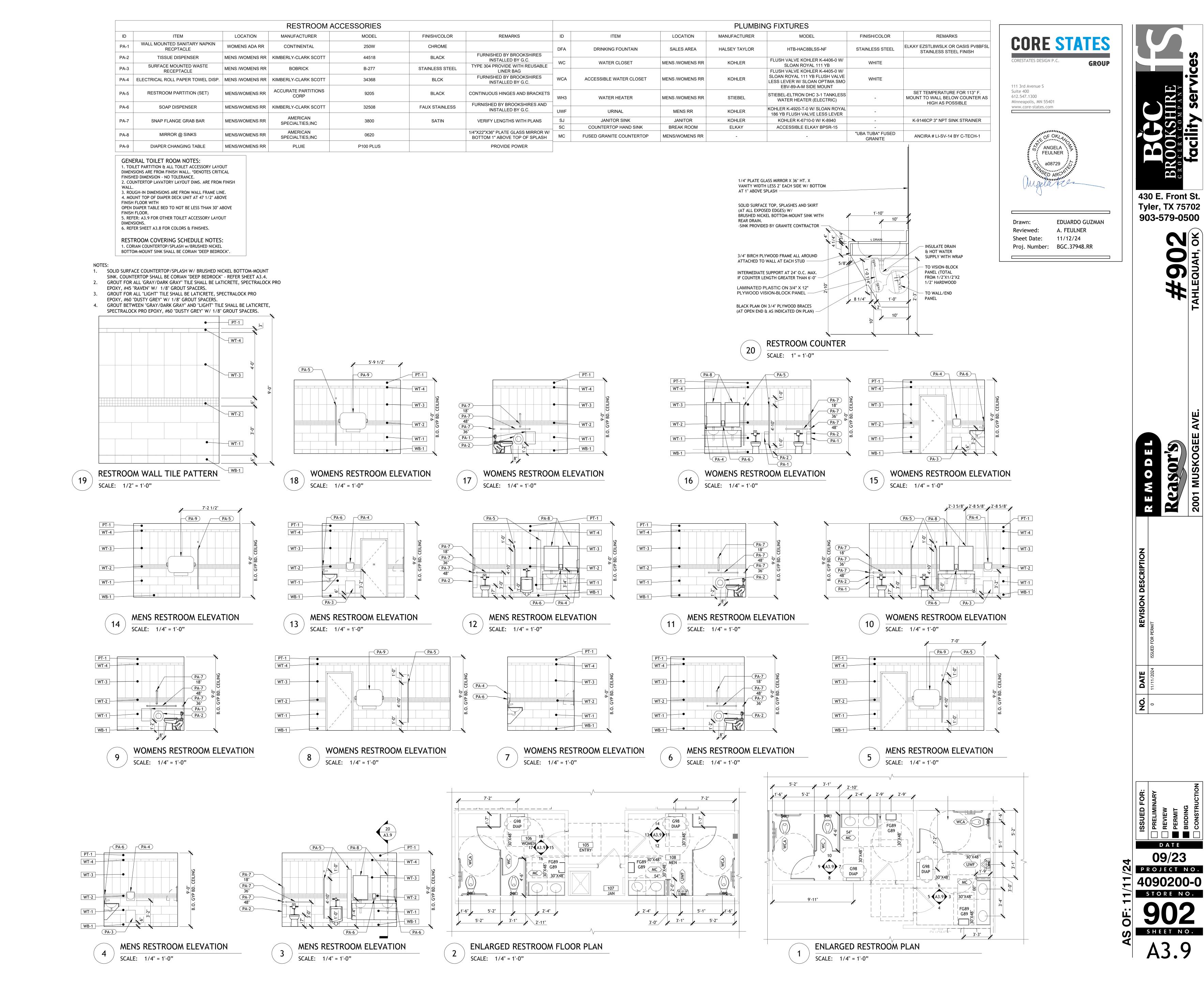
- METAL STUDS; SEE "WALL

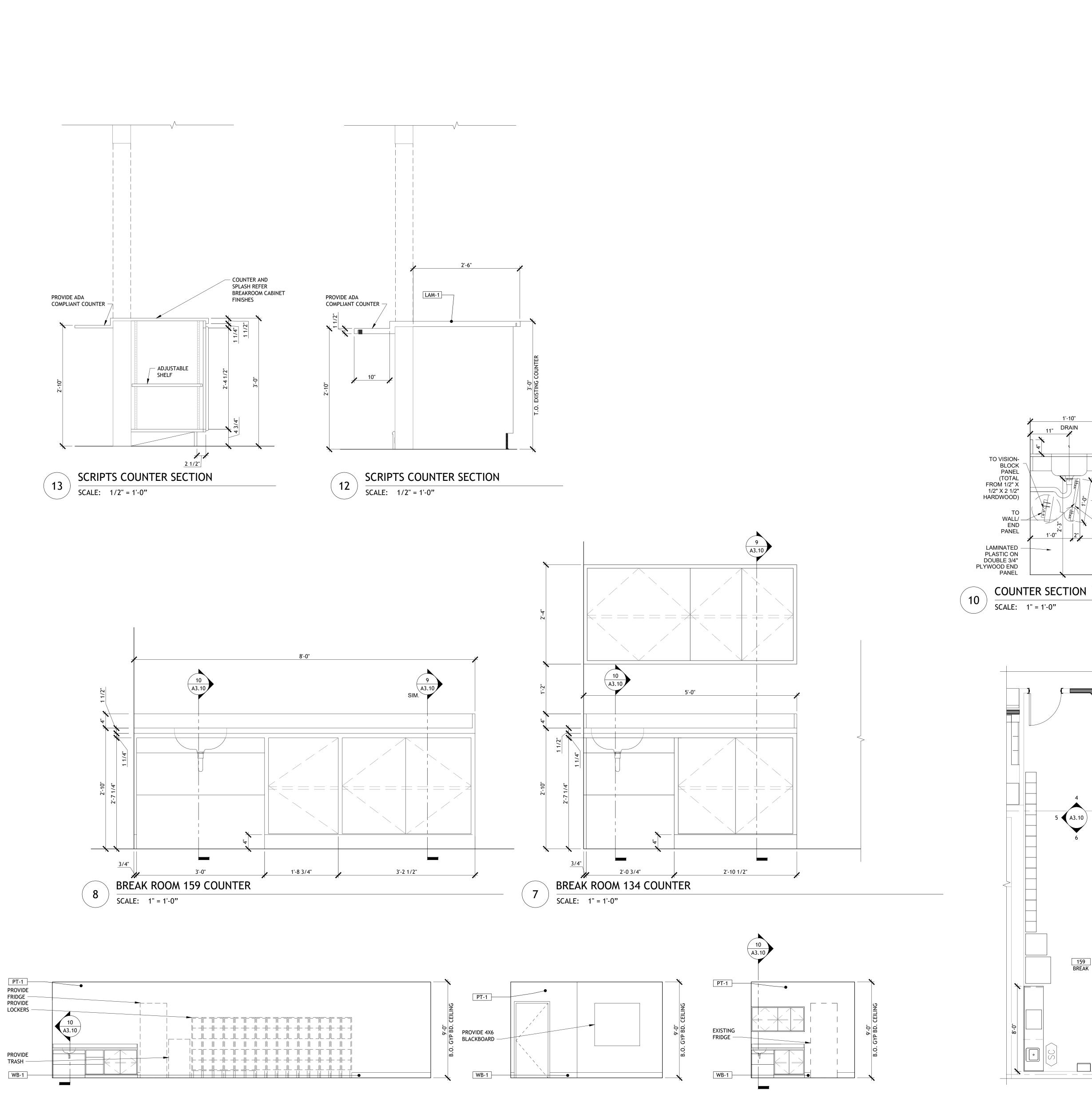
FRAMING SCHEDULE"

- METAL TRACK

FLOOR PER FINISH PLAN







BREAK ROOM 159 ELEVATION

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

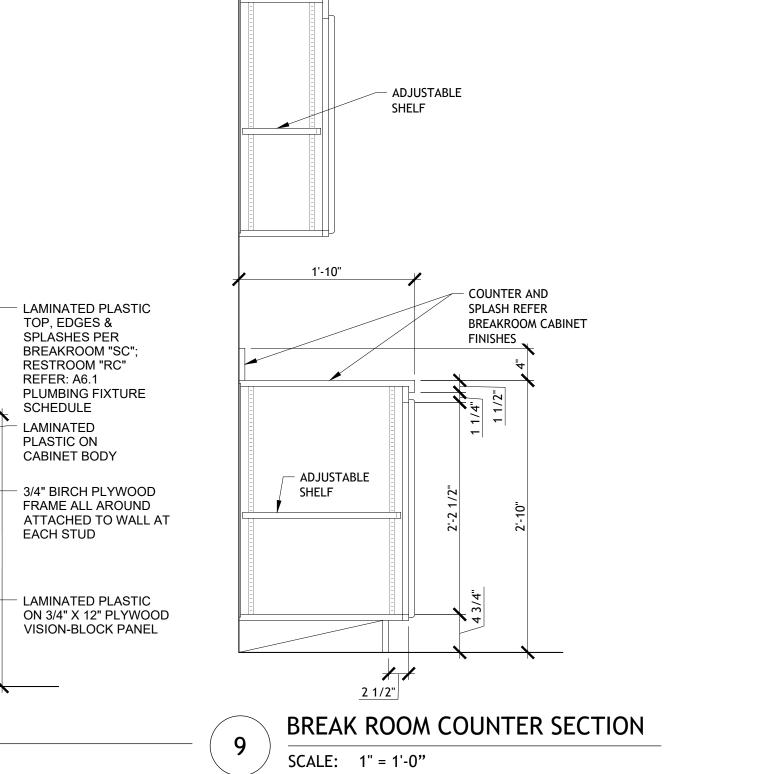
BREAK ROOM 134 ELEVATION

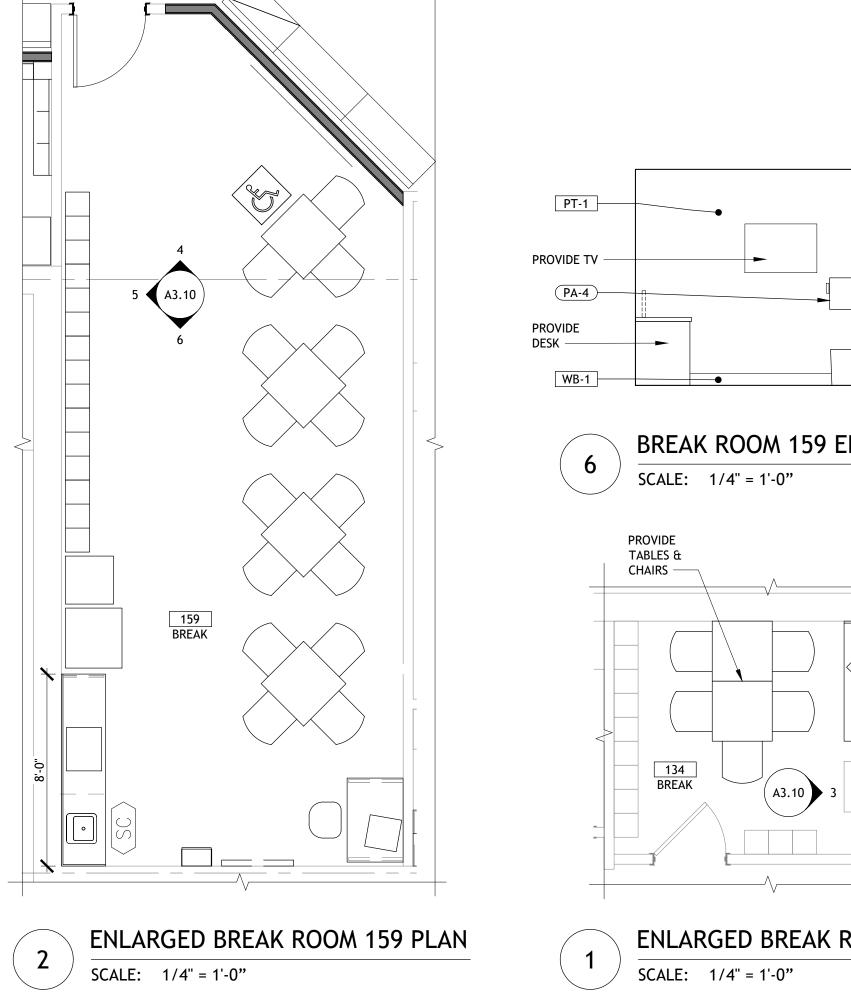
SCALE: 1/4" = 1'-0"

BREAK ROOM 159 ELEVATION

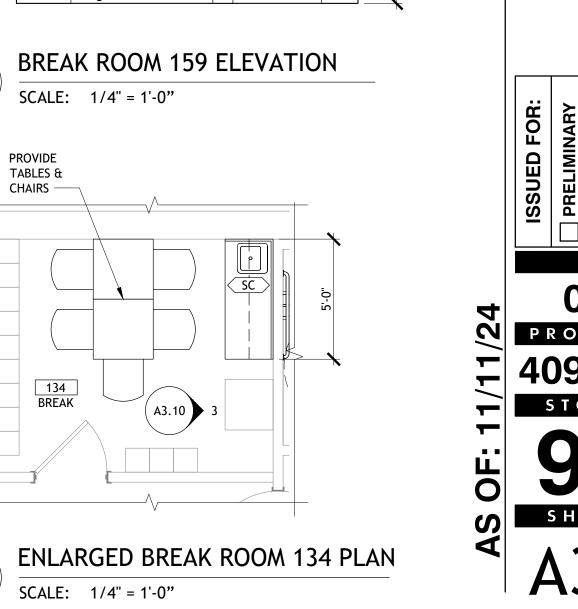
SCALE: 1/4" = 1'-0"





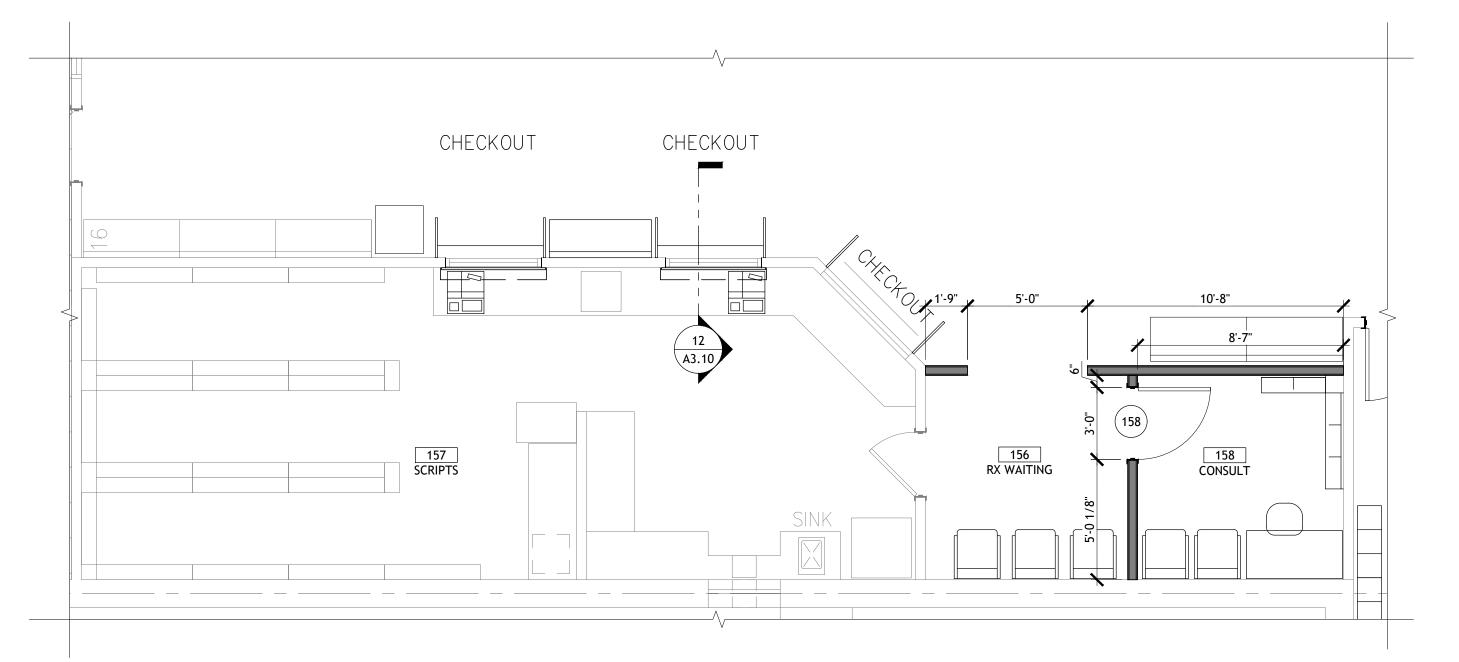


LAMINATED
PLASTIC ON
CABINET BODY



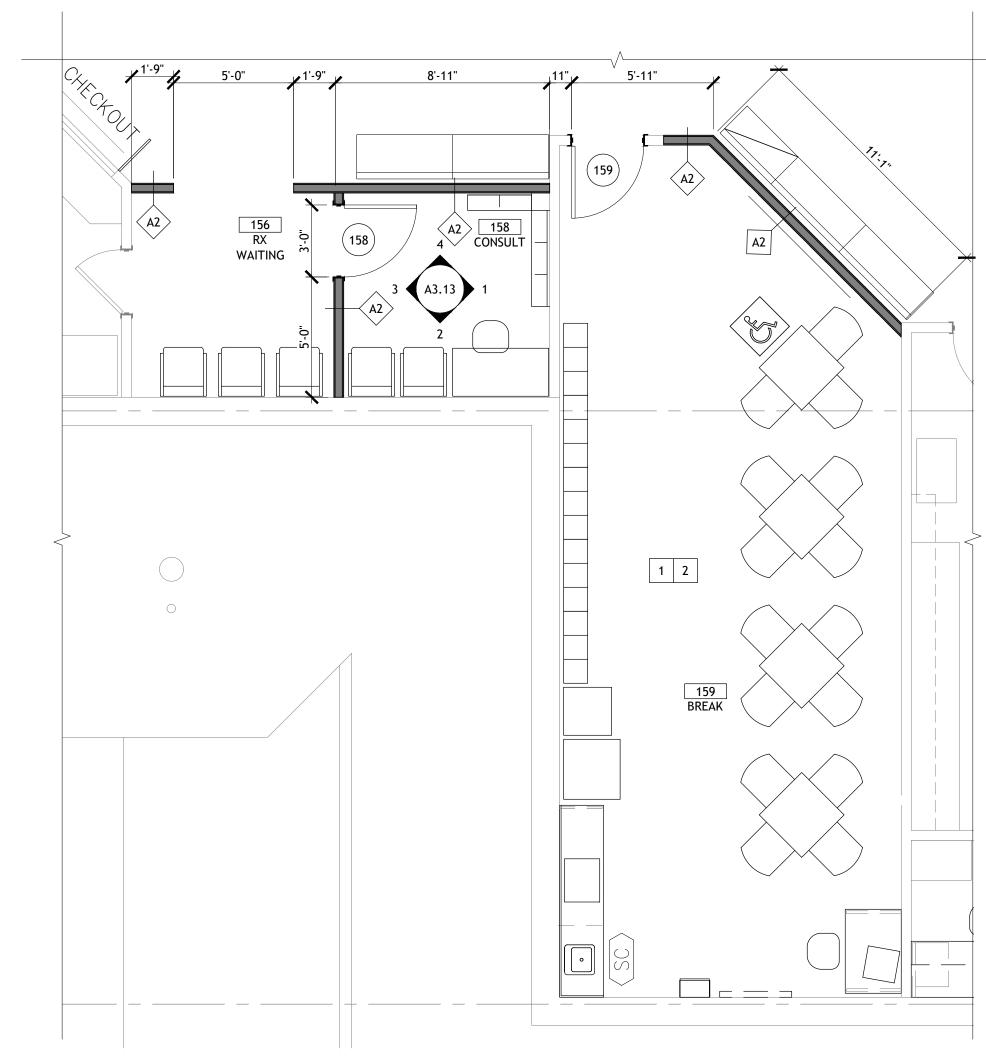
DATE 09/23
PROJECT NO. **4090200-0** STORE NO.

Reasor's



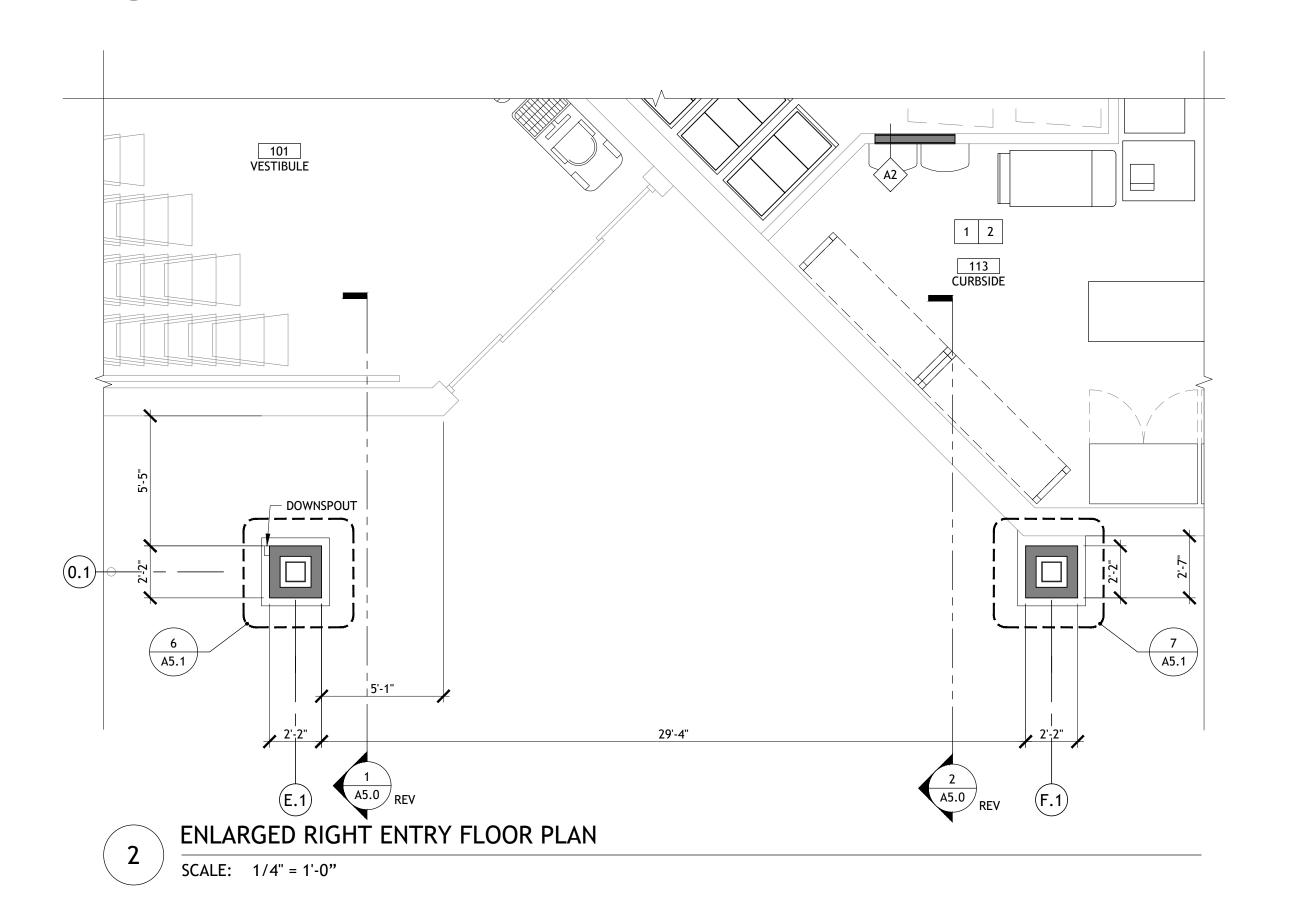
ENLARGED PHARMACY FLOOR PLAN

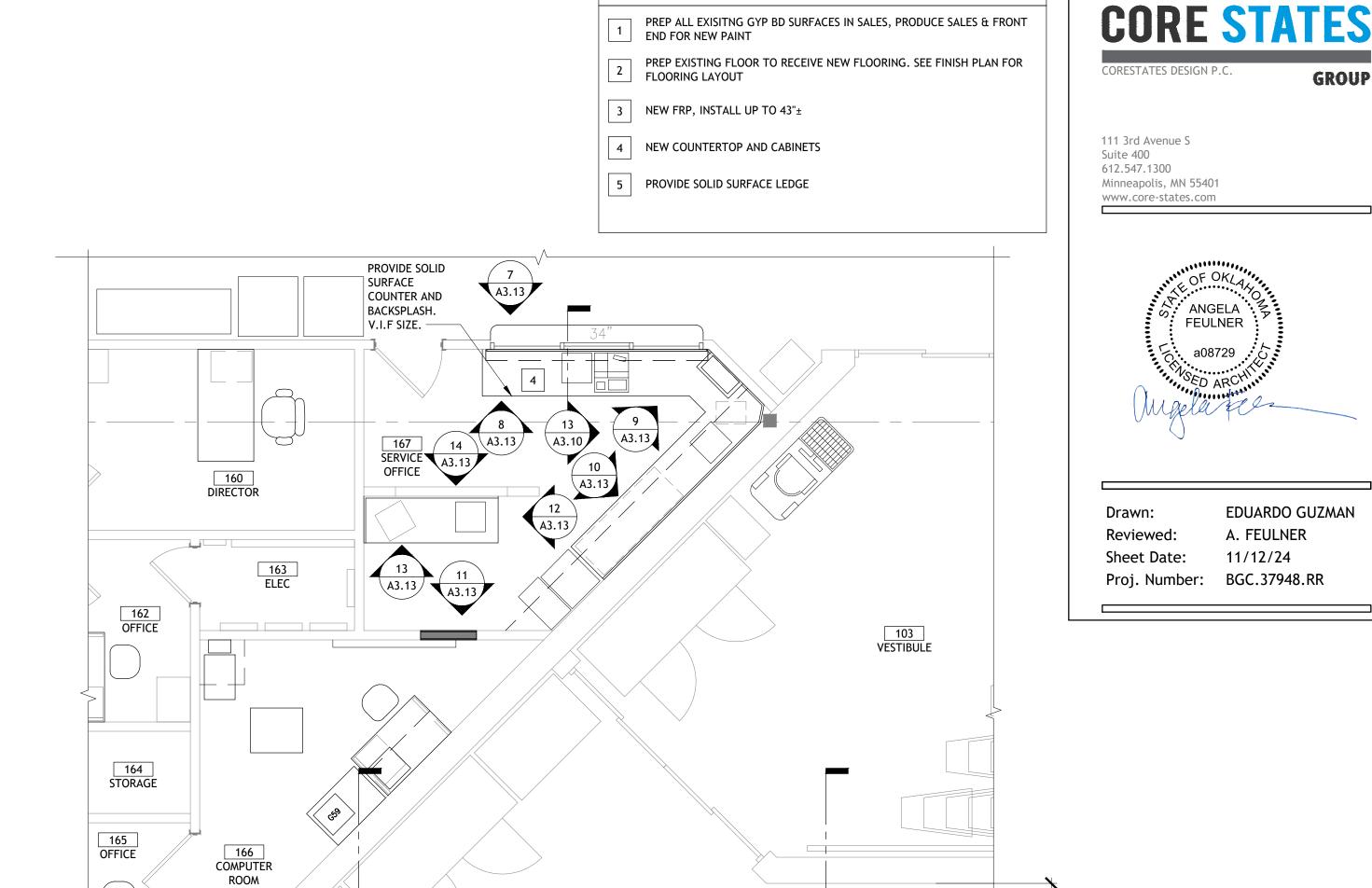
SCALE: 1/4" = 1'-0"



ENLARGED RX & BREAK ROOM FLOOR PLAN

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

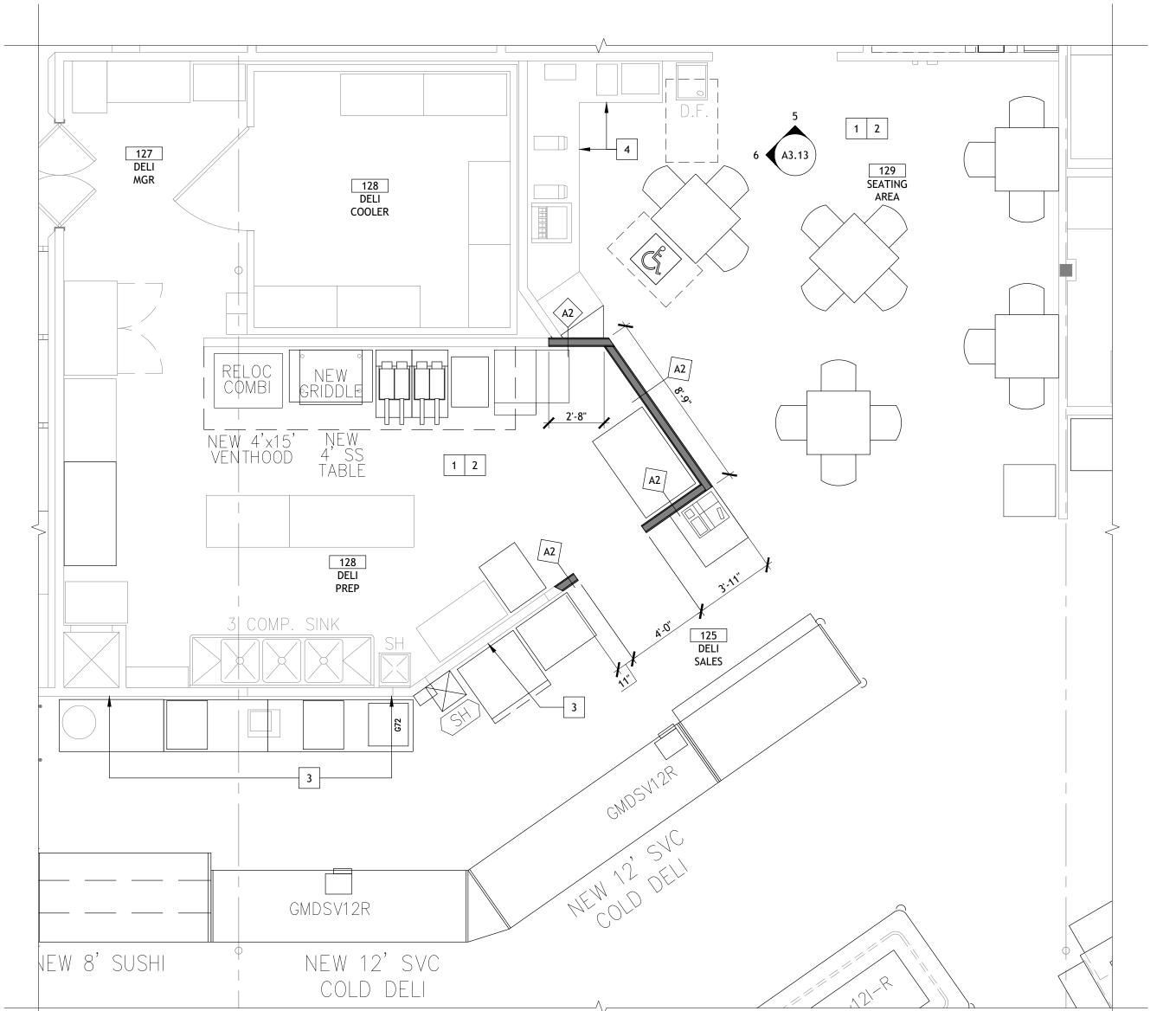


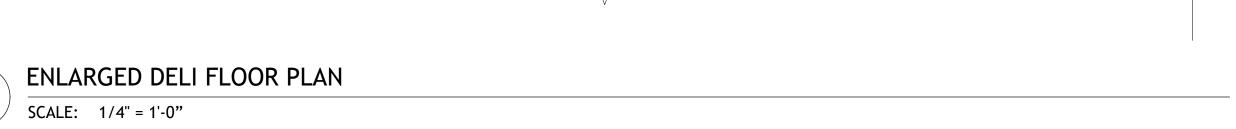


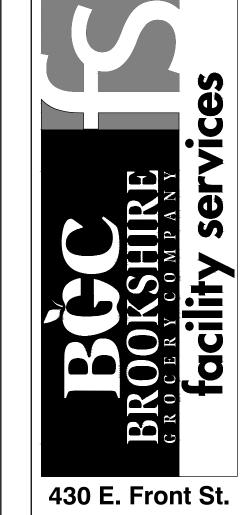
ENLARGED LEFT ENTRY FLOOR PLAN

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

FLOOR PLAN KEY NOTES







GROUP

ANGELA

EDUARDO GUZMAN

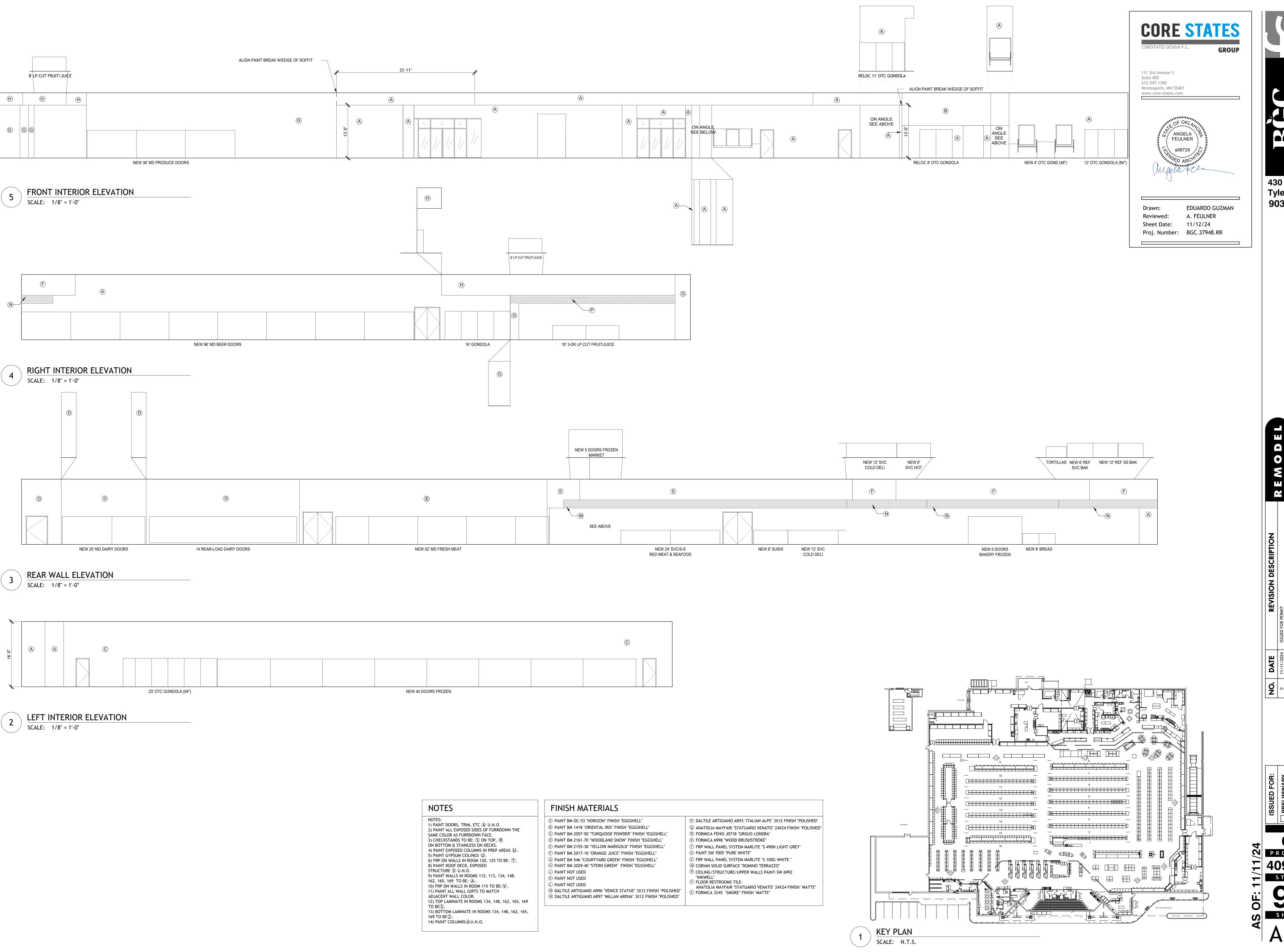
A. FEULNER

FEULNER

Tyler, TX 75702 903-579-0500

DATE
09/23
PROJECT NO. 4090200-0 STORE NO.

902 SHEET NO. A3.11



30 E. Front St.
Tyler, TX 75705

TAHLEQUAH, OK

T

Reasor's
2001 MUSKOGEE /

O. DATE REVISION DESCRIPTION
0 11/11/2024 ISSUED FOR PERMIT

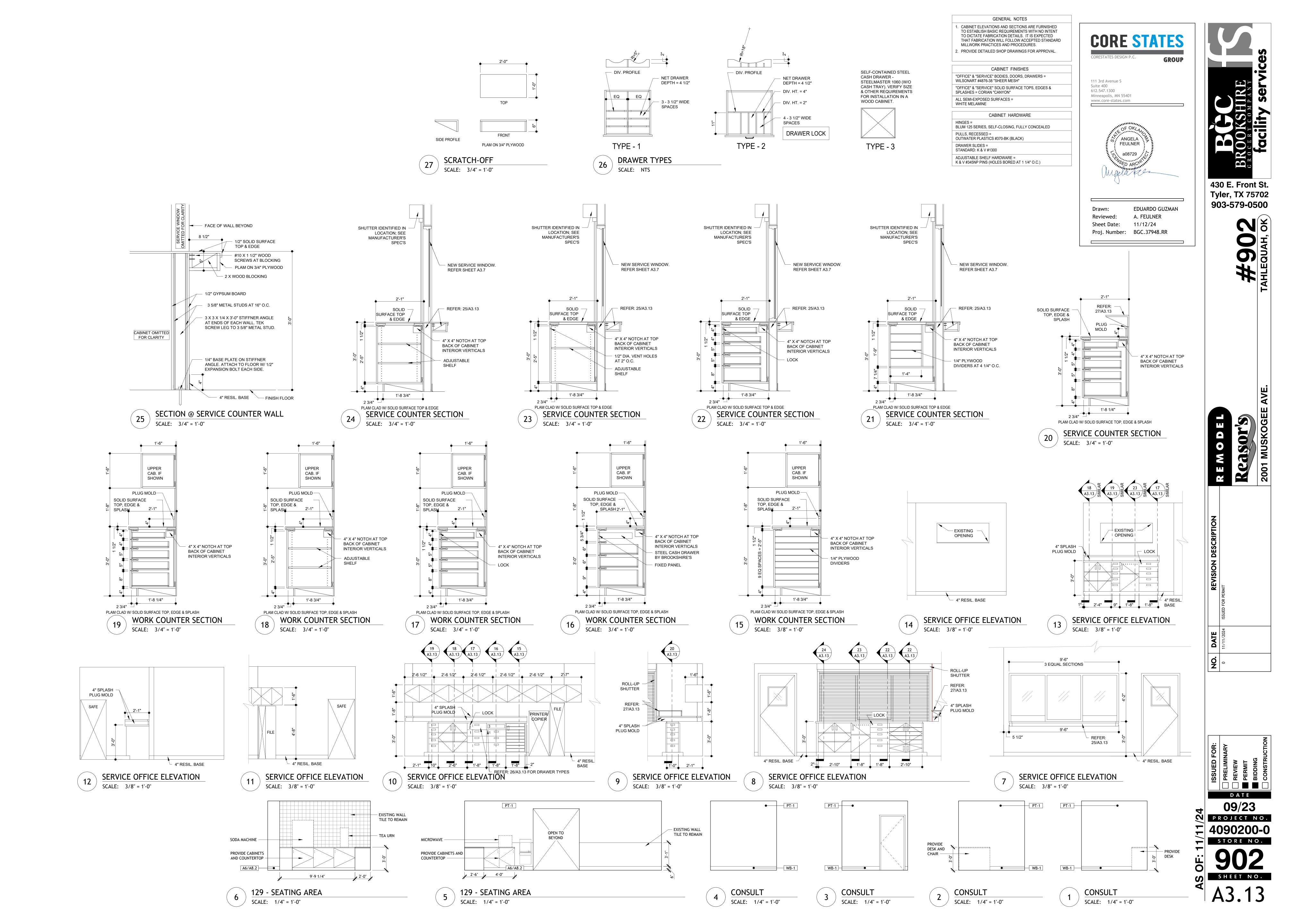
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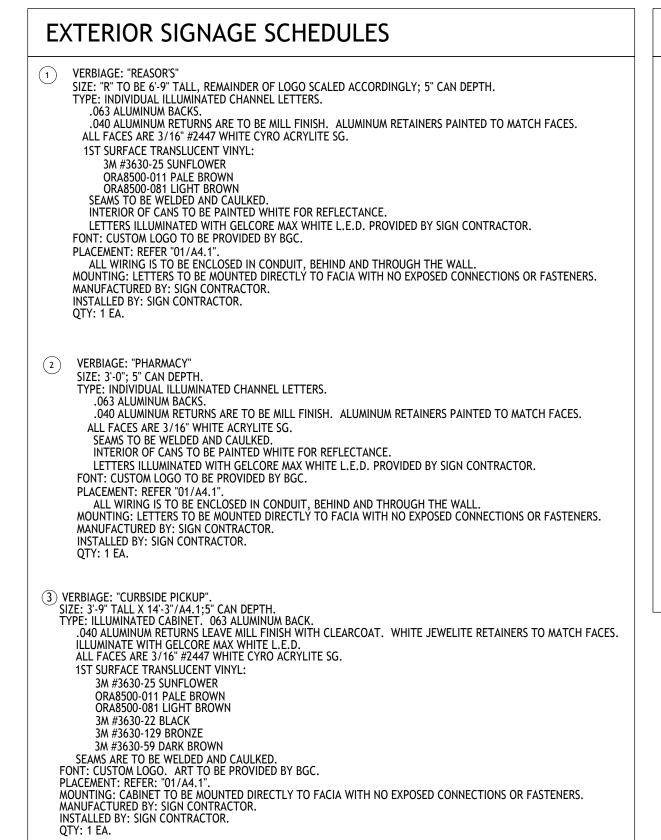
| SSUED FOR:
| PRELIMINARY
| PERMIT
| BIDDING
| CONSTRUCTION

09/23
PROJECT NO.
4090200-0
STORE NO.

902 SHEET NO.

A3.1





GENERAL NOTES 1. THESE DRAWINGS ARE FOR INTENT ONLY. CONTRACTOR SHALL FIELD

THESE DRAWINGS ARE FOR INTENT ONLY. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS.
 MOVE REFRIGERATION CASES AND GONDOLAS AS REQUIRED TO REPAIR

MULTI-PLANE GYP. BD. SURFACES. ALL EXPOSED GYP. BD. SURFACES SHALL BE PAINTED AT REFRIGERATION CASES AND GONDOLAS LOCATED

ALONG WALLS UNLESS NOTES OTHERWISE. REMOVAL OF EXISTING

- REFRIGERATION CASES AND GONDOLAS SCHEDULED TO REMAIN IS NOT REQUIRED SO AS TO PAINT THE ENTIRE WALL.

 3. ALL WALLS ARE DIMENSIONED TO THE FACE OF THE STUD UNLESS NOTED OTHERWISE (U.N.O.)
- 4. CONTRACTOR SHALL COORDINATE INSTALLATION OF PLUMBING ELECTRICAL AND OTHER SYSTEM IN WALLS WITH LOCATIONS OF WALL-MOUNTED ACCESSORIES AND MILLWORK TO AVOID ANY
- CONFLICTS.

 5. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.CONTRACTOR POSITION AND MOUNT ALL FIXTURES ACCORDING TO DIRECTIONS
- 6. REFER TO PROJECT MANUAL FOR ITEM SPECIFICATIONS.

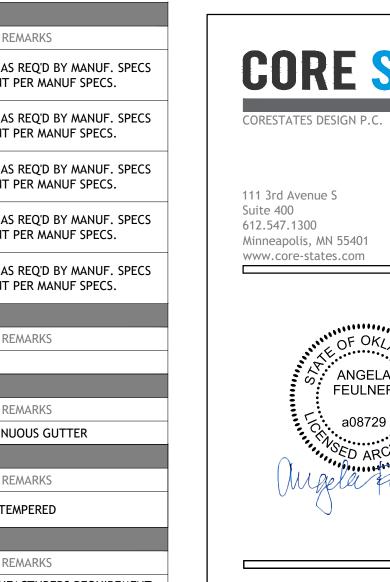
PROVIDED ON SHEET T1.2

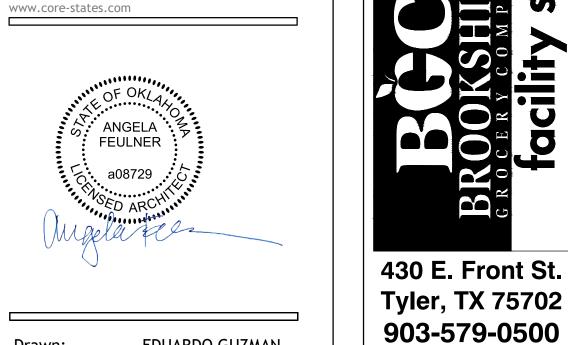
- 7. DO NOT SCALE DRAWINGS IF DIMENSIONS ARE IN QUESTION.
 CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION
 FROM THE ARCHITECT.
- 8. CONTRACTOR SHALL FILL AND PATCH ALL OPENINGS AND HOLES, SEAL AROUND ALL PIPES, DUCTS, ETC.AND ENSURE THE INTEGRITY OF ALL REQUIRED FIRE AND/OR SMOKE SEPARATIONS, IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES PROVIDE MANUFACTURER PRODUCT DATA SHEETS FOR EACH PRODUCT APPLICATION INDICATING PROPER INSTALLATIONS REQUIREMENTS AND UL RATING

FL	FLOOR PLAN KEY NOTES								
1	EIFS CLADDING ON INFILLED WALL. MATCH TEXTURE OF EXISTING ADJACENT WALL SURFACE								
2	PROVIDE AUTOMATIC ENTRANCE / STOREFRONT								
3	SHEET METAL FASCIA								
4	GLULAM TRUSS								
5	NEW SIGNAGE, SEE VERBIAGE.								
6	8" DIA STEEL PIPE FILLED W/ CONCRETE. PIPE TO BE PAINTED YELLOW. SEE DETAIL 8 ON SHEET A1.1								

7 EXISTING CANOPY TO REMAIN

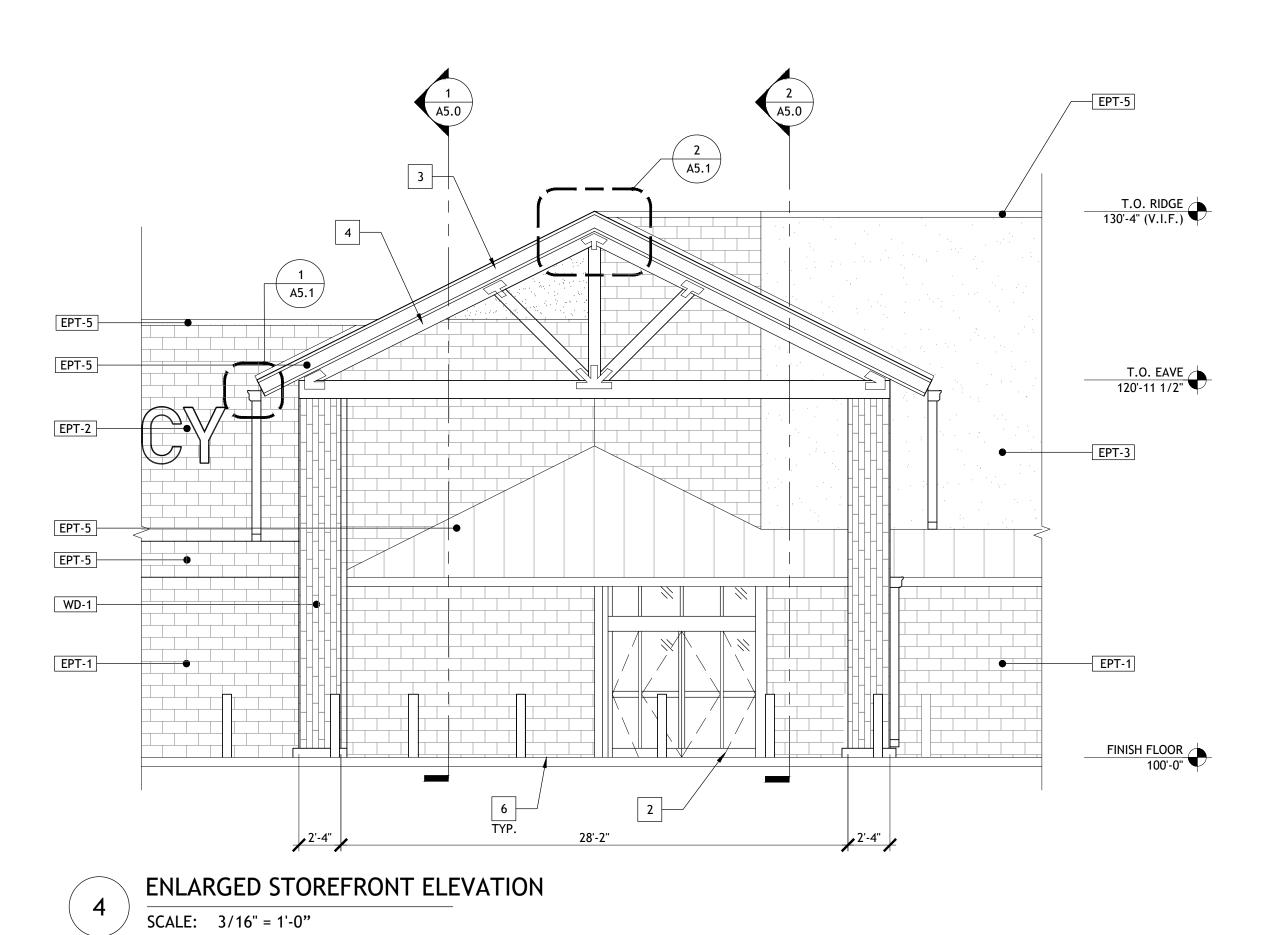
ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS
EPT-1	EXTERIOR	SHERWIN-WILLIAMS	EGG SHELL	SW CUSTOM AMARILLO WHITE	А	LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR MULTI-SURFACE APPLICATION	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.
EPT-2	EXTERIOR	SHERWIN-WILLIAMS	SEMI-GLOSS	SW 2845 BUNGLEHOUSE GRAY	А	LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR MULTI-SURFACE APPLICATION	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.
EPT-3	EXTERIOR	SHERWIN-WILLIAMS	EGGSHELL	SW 6335 FIRED BRICK	А	LOW VOC COMMERCIAL INTERIOR LATEX PAINT FOR MULTI-SURFACE APPLICATION	PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.
EPT-4	EXTERIOR	SHERWIN-WILLIAMS	EGGSHELL	SW 3532 HILL COUNTRY	A INITEDIAD I ATEV DAINIT I		PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.
EPT-5	EXTERIOR	SHERWIN-WILLIAMS	SEMI-GLOSS	SW 6994 GREENBLACK	SW 6994 GREENBLACK A INTERIOR LATEX PAINT MULTI-SURFACE APPLICA		PREP SUBSTRATE AS REQ'D BY MANUF. SPECS APPLY PAINT PER MANUF SPECS.
EXC / EXTER	IOR CLADDING						
ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS
EXC-1	EXTERIOR	KNOTWOOD		MUSKET GREY			
ROOF / ROO	F						
ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS
ROOF-101	METAL ROOF	DMI METALS	TL25 PROFILE	MUSKET GREY		STANDING SEAM METAL ROOF	CONTINUOUS GUTTER
GL / GLAZIN	G						
ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS
GL-101	GLAZING STOREFRONT	VIRACON OR EQ.	LOW E GLASS VEI-48	CLEAR/TEMPERED	А	DUAL PANE WINDOW STOREFRONT SYSTEM	TEMPERED
WD/ WOOD	FINISH - FOR REFERENCE ON	LY					
ID	LOCATION	MANUF.	STYLE/FINISH	COLOR	CLASS	DESCRIPTION	REMARKS
WD-1	EXTERIOR	KNOTWOOD	HILL COUNTRY	SW3532		4" CLADDING ST. KEC150	INSTALL PER MANUFACTURERS REQUIREMENT

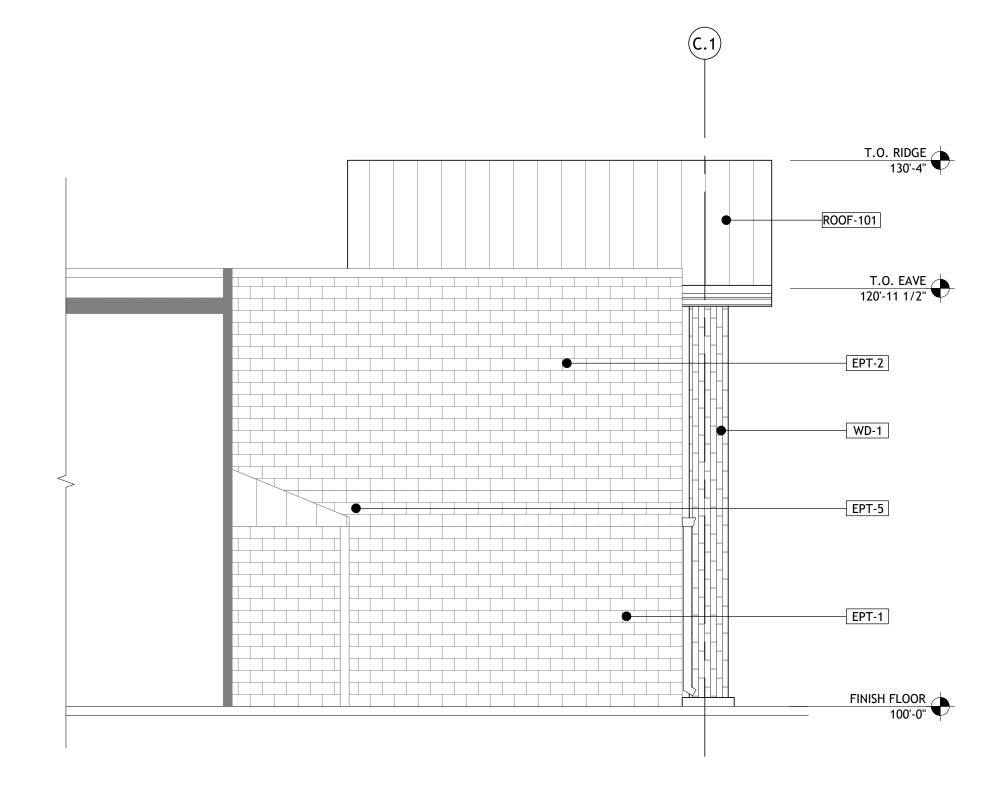


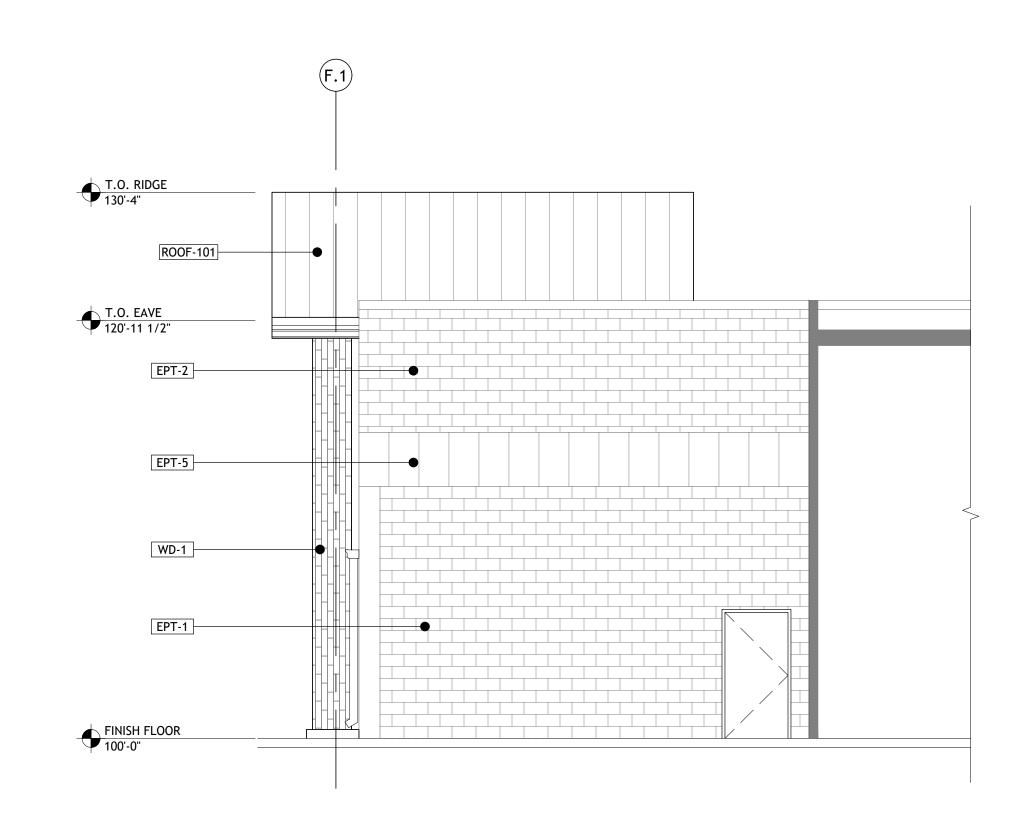


GROUP

Drawn: EDUARDO GUZMAN
Reviewed: A. FEULNER
Sheet Date: 11/12/24
Proj. Number: BGC.37948.RR



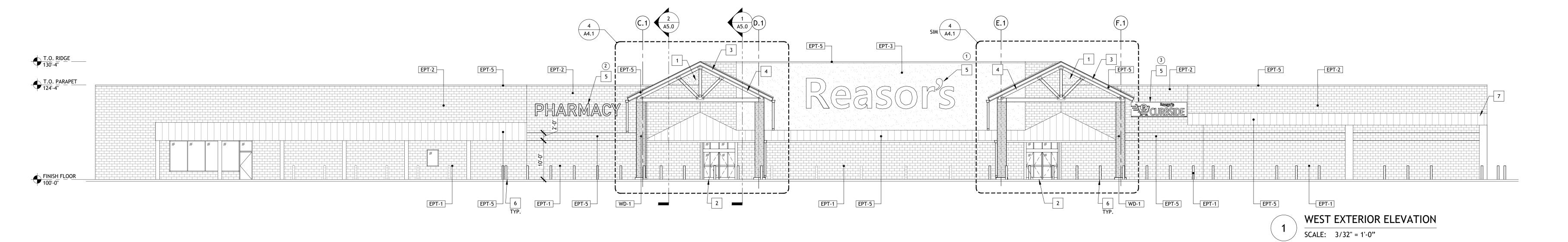




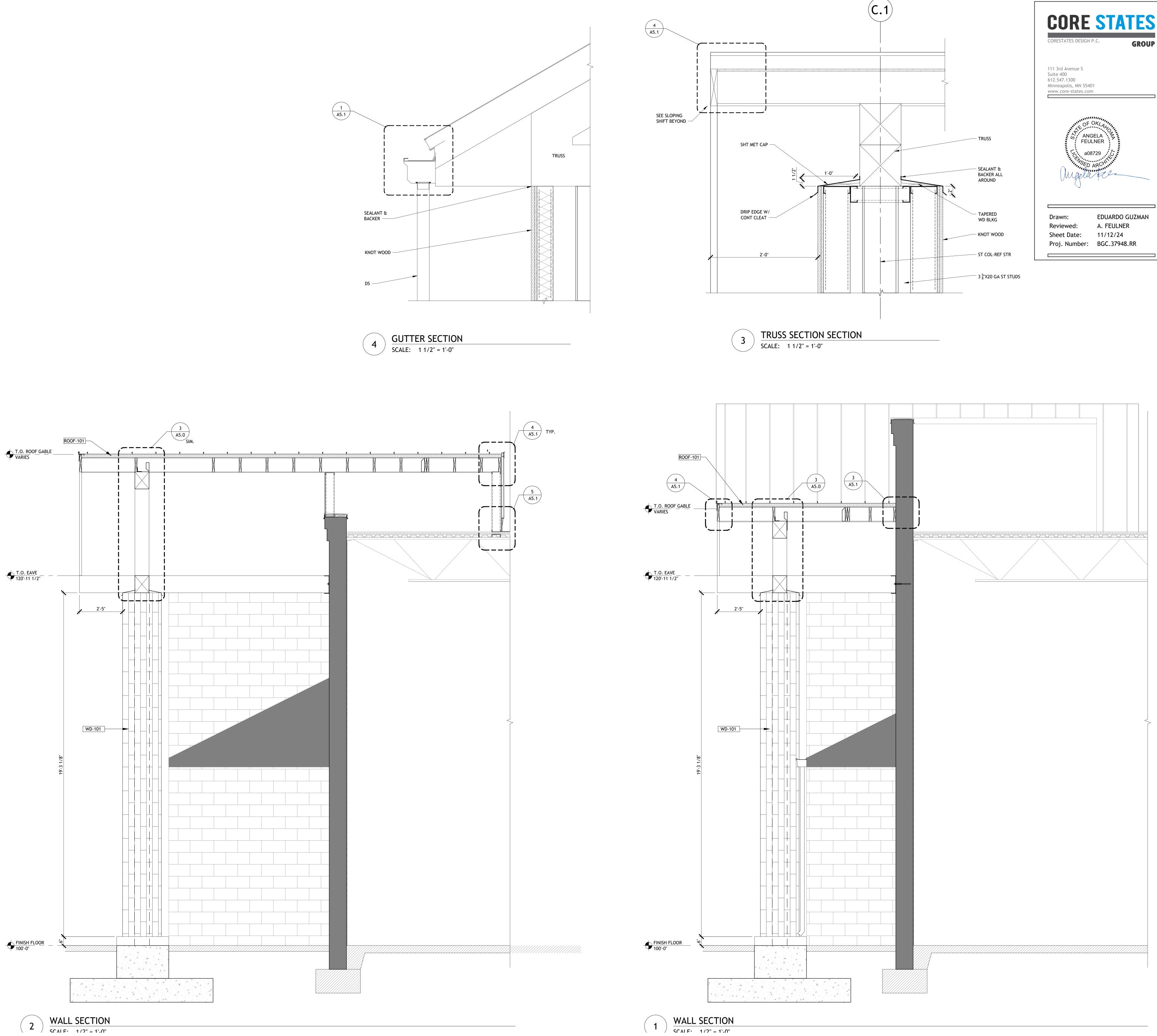
3 NORTH EXTERIOR ELEVATION

SCALE: 3/16" = 1'-0"

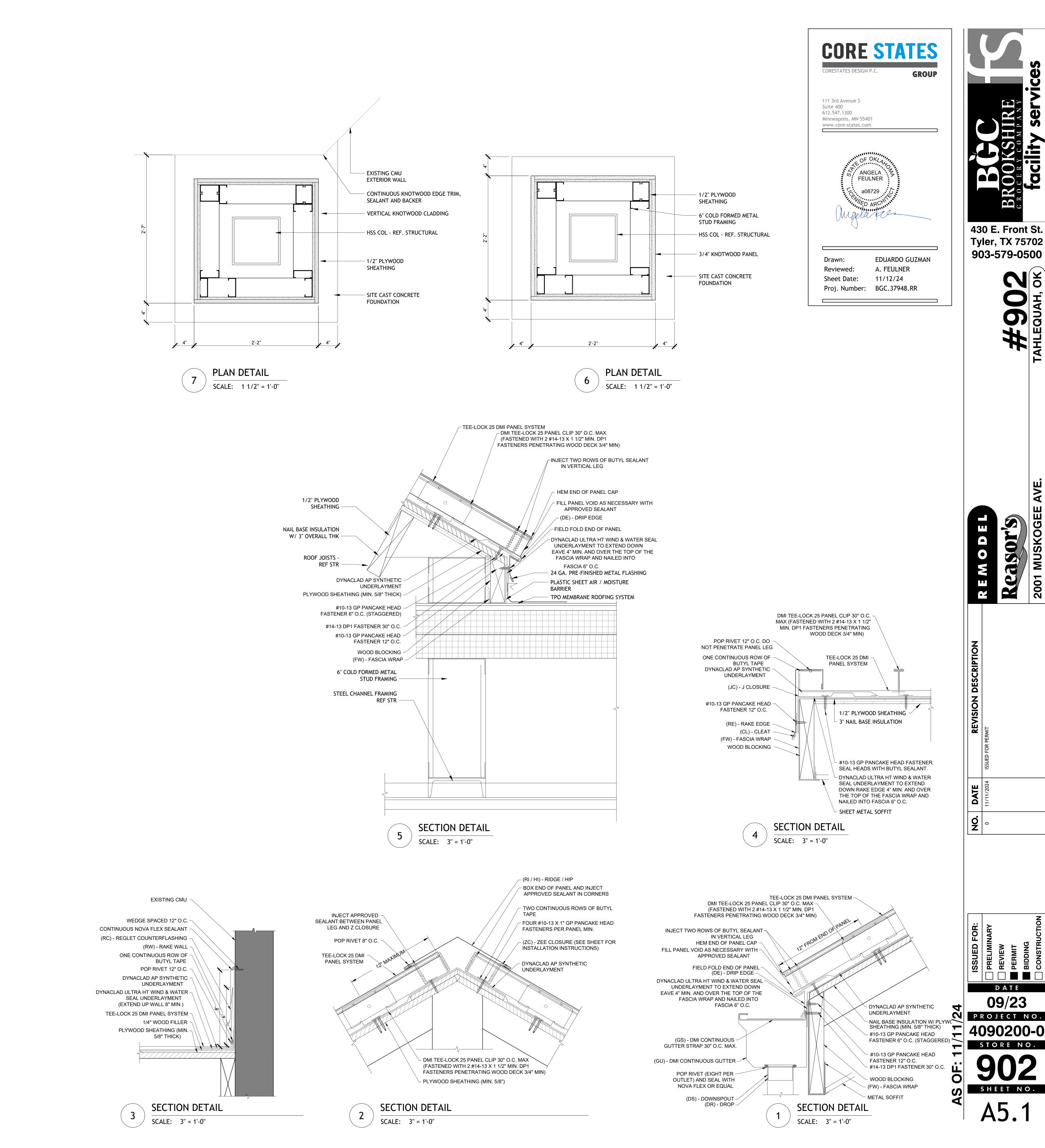
2 SOUTH EXTERIOR ELEVATION
SCALE: 3/16" = 1'-0"

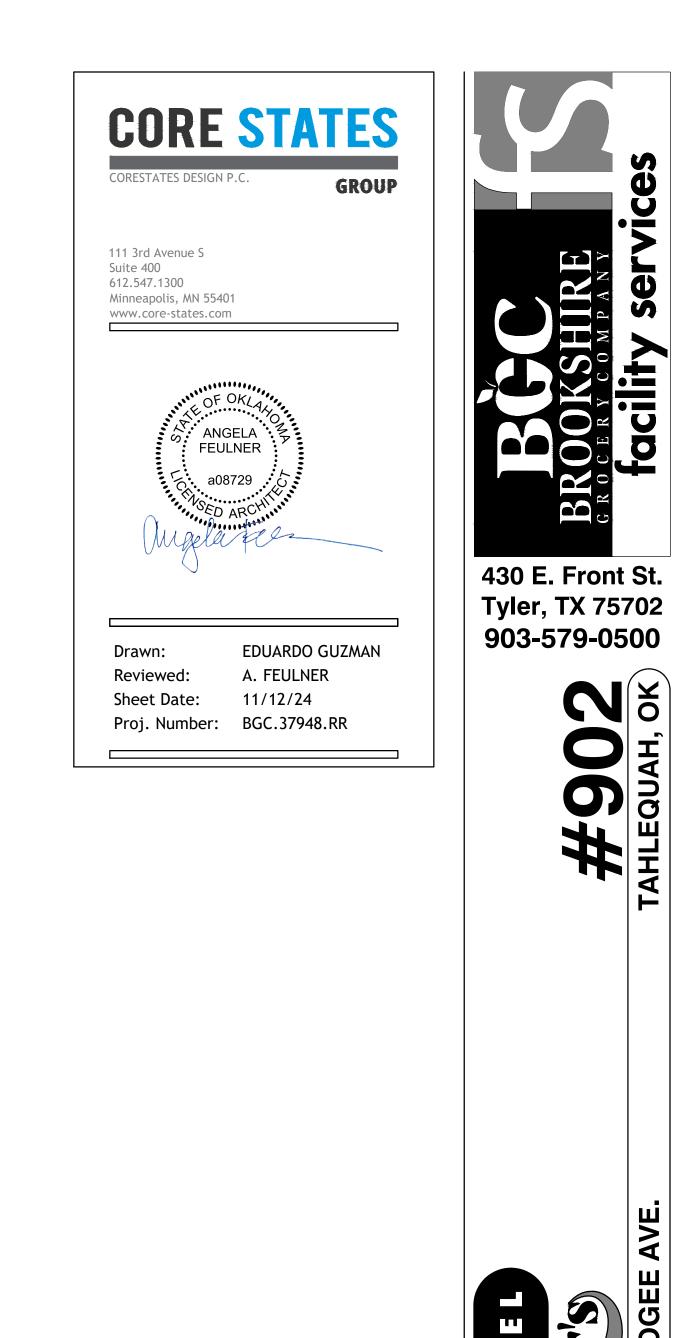


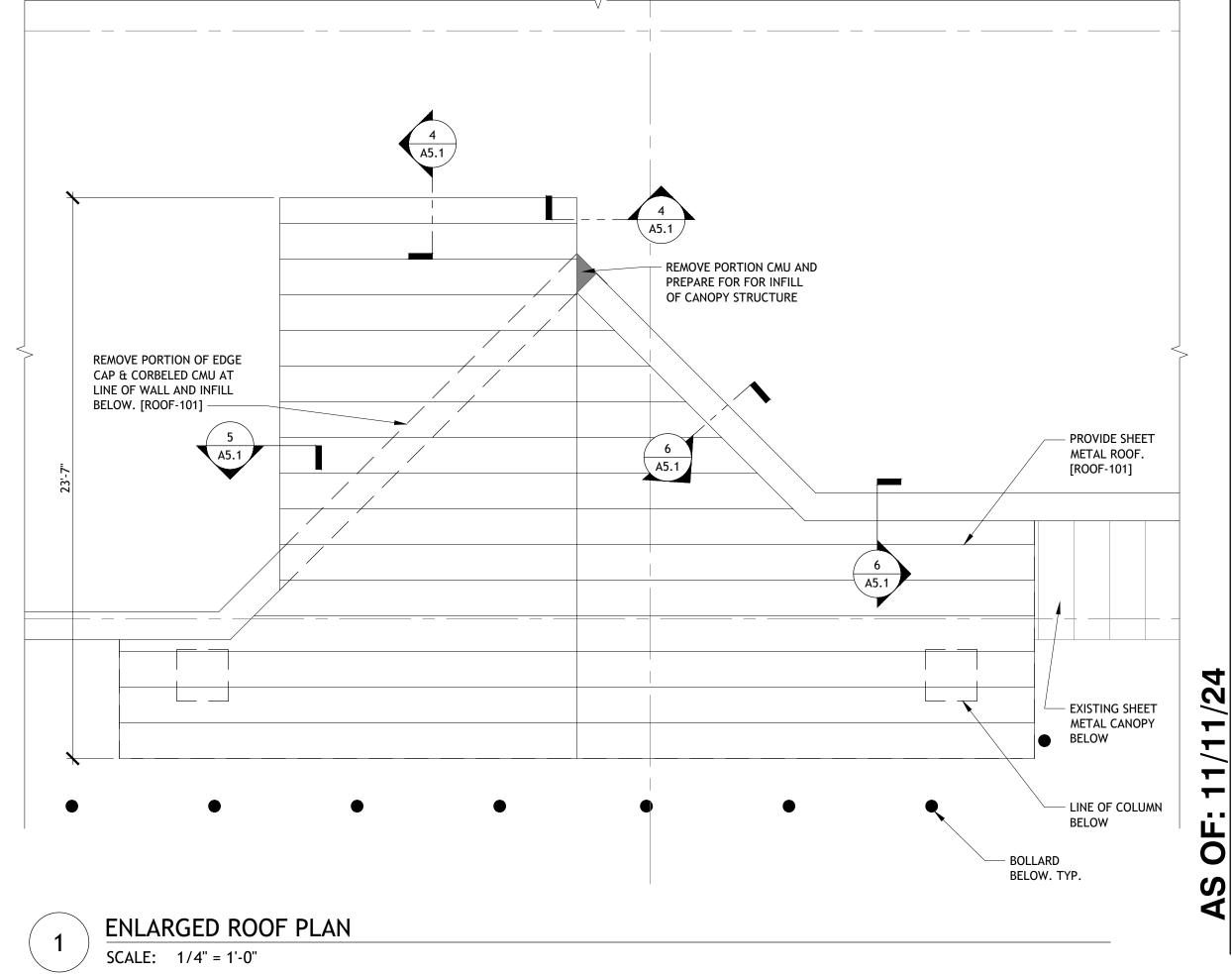




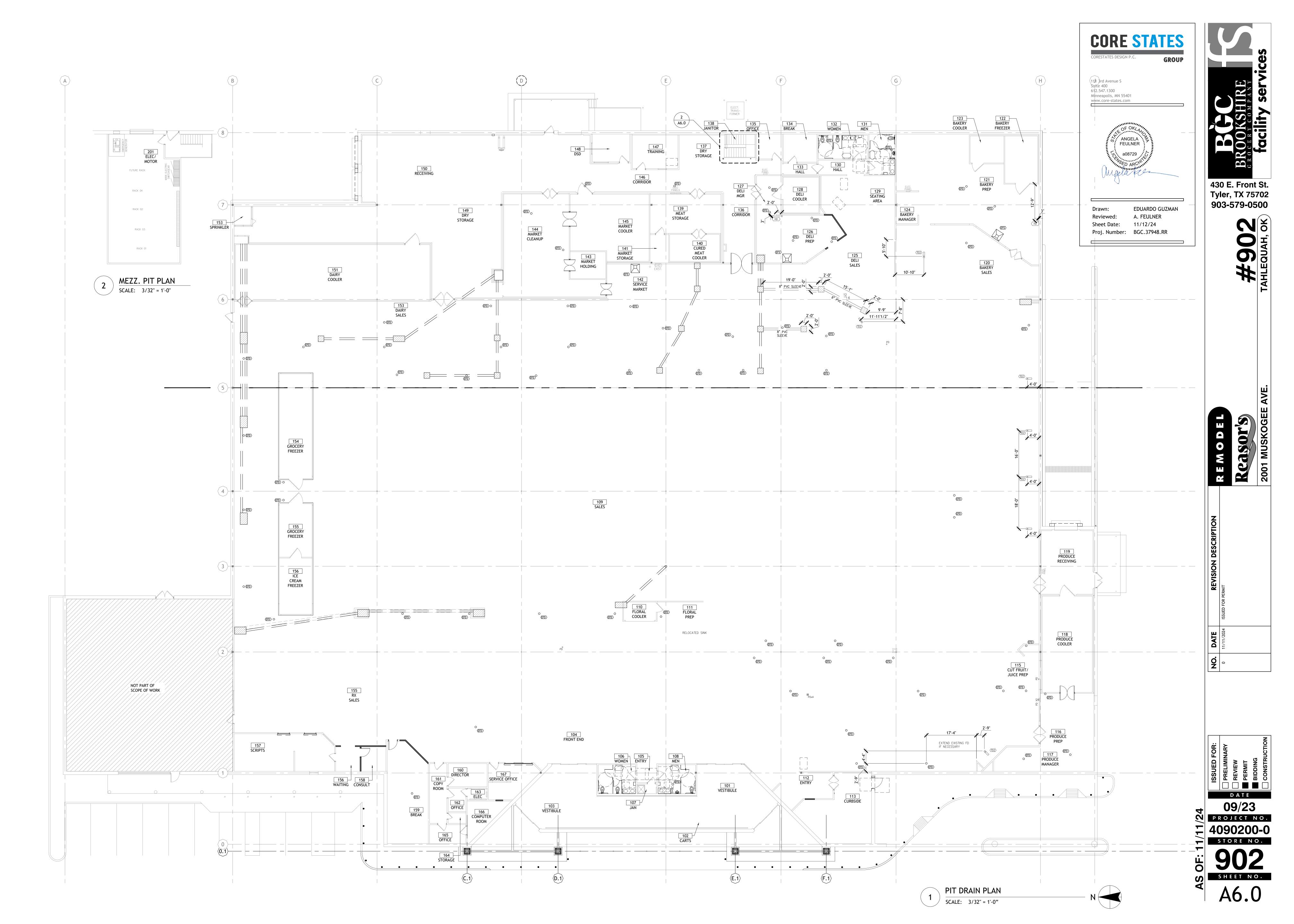
430 E. Front St. **Tyler, TX 75702** 903-579-0500

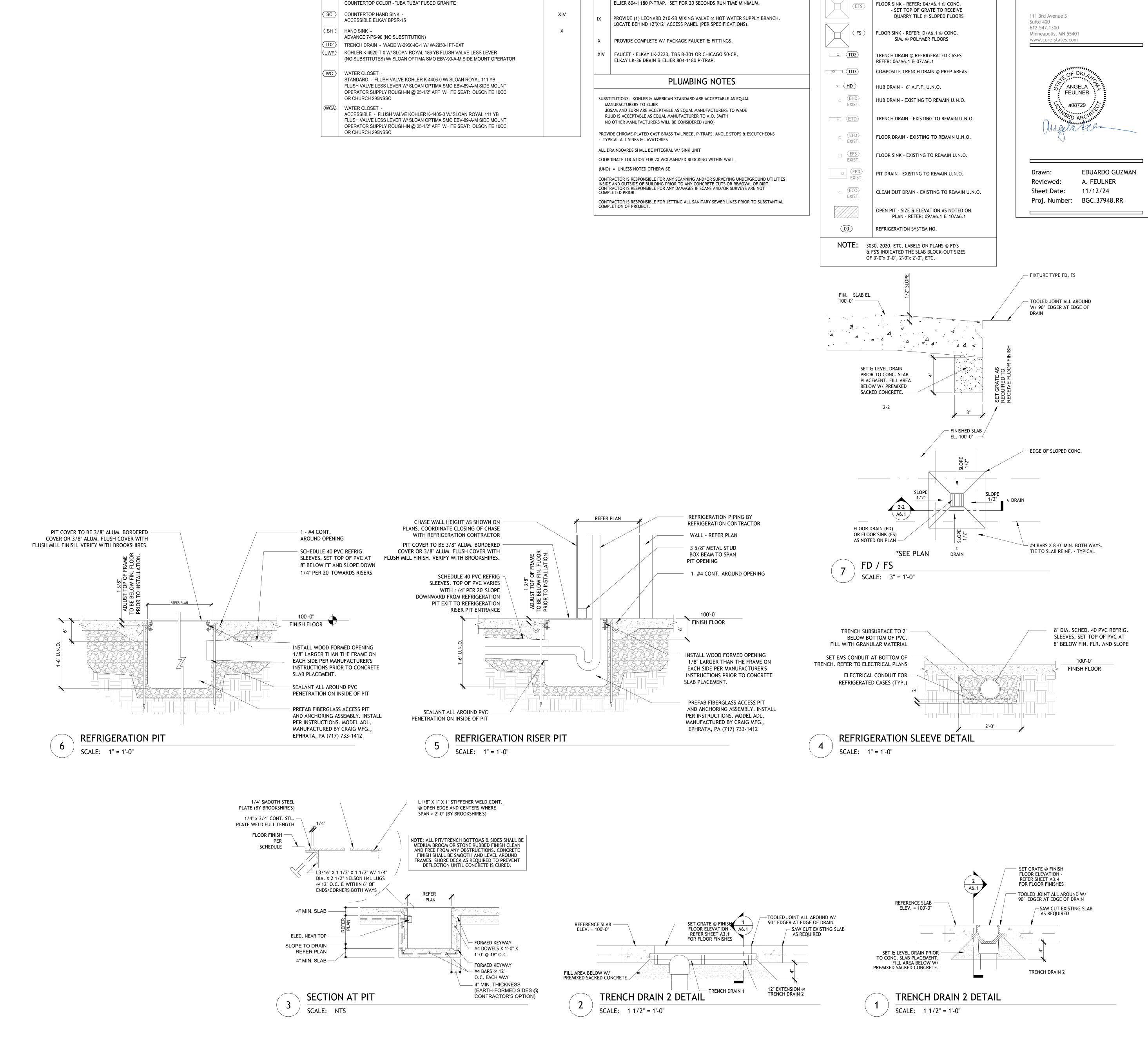






SSHEET NO. 4090200-0
STORE NO. 4090200-0
STORE NO. 5 HEET NO. 45.2





PLUMBING FIXTURES

FITTING/NOTE

DESCRIPTION

MC FUSED GRANITE COUNTERTOP, SPLASHES & SKIRTS W/ UNDERCOUNTER

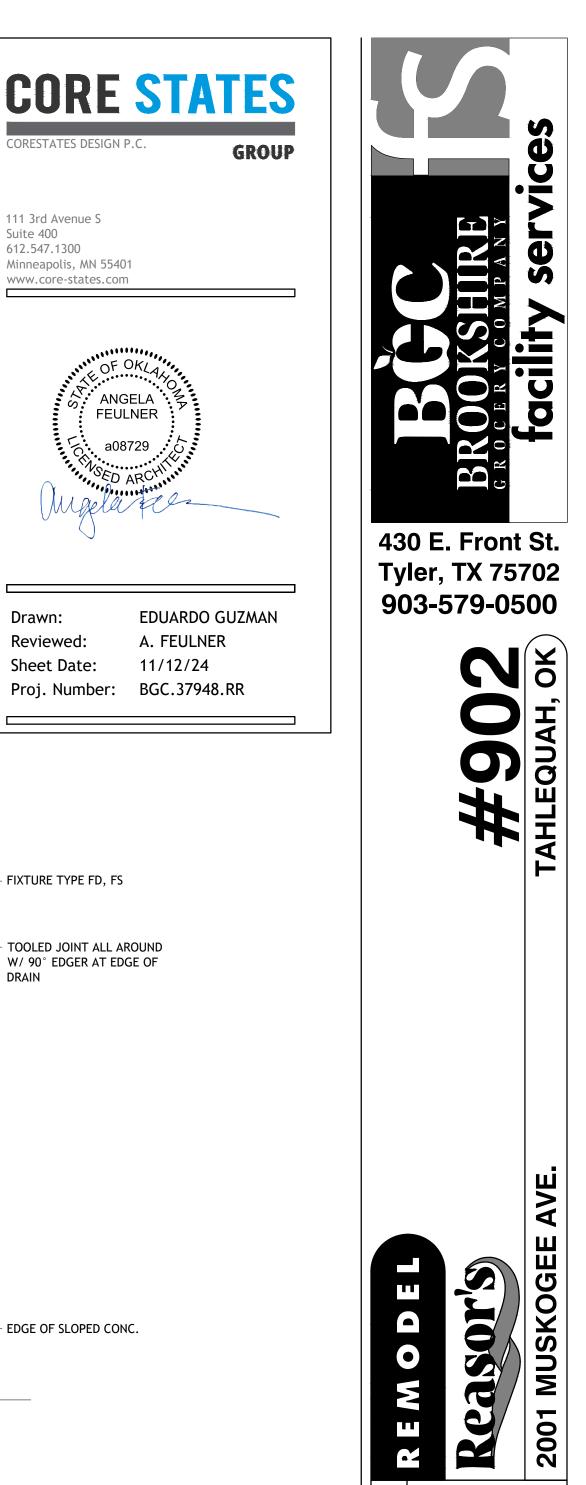
MOUNTED LAVATORY (18 GA. BRUSHED NICKEL, ANCIRA #LI-SV-14 BY

C-TECH-1 WITH REAR DRAIN) FURNISHED & INSTALLED BY COUNTERTOP

CONTRACTOR, PLUMBING CONTRACTOR TO PROVIDE & INSTALL WATTS A200

SERIES OR MIFAB M-500 SERIES TRAP PRIMER CONNECTED TO FLOOR DRAIN.

ALL FITTINGS & ACCESSORIES FURNISHED & INSTALLED BY PLBG CONTRACTOR.



SYMBOL LEGEND

FLOOR DRAIN - REFER: 04/A6.1 @ CONC.

- REFER: 05/A6.1 @ CERAMIC

- SET TOP OF GRATE TO RECEIVE

QUARRY TILE @ SLOPED FLOORS

DESCRIPTION

MARK

(EFD)

FITTING TYPES

ZURN AQUASENSE Z6950-XL-S-CWB-MV FAUCET W/ GRID STRAINER DRAIN &

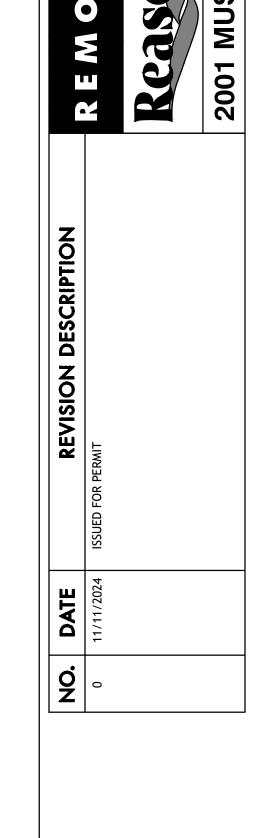
DESCRIPTION

MOP SINK FAUCET - MOUNTED 36" AFF

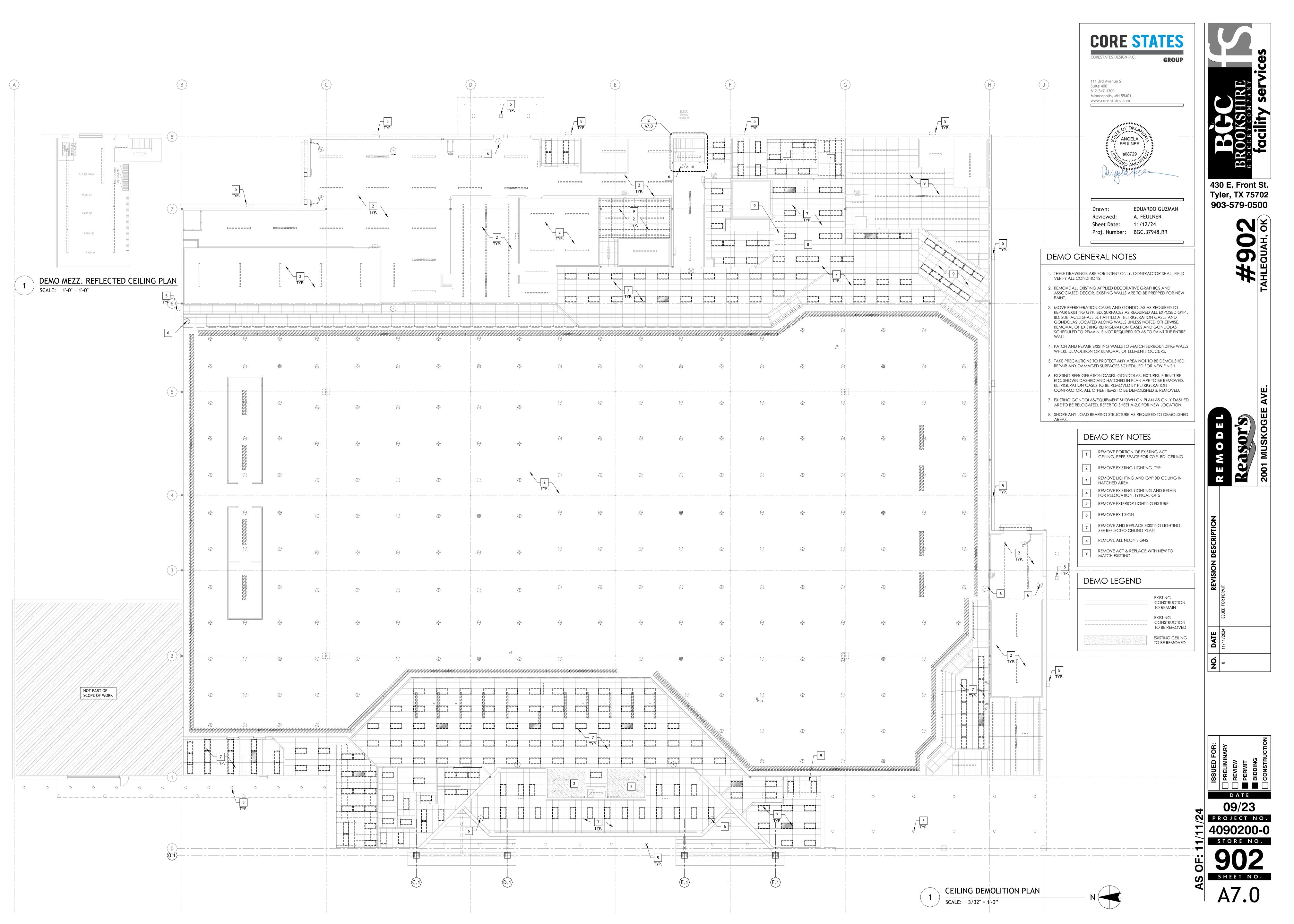
VIII LAVATORY FAUCET - ACCESSIBLE

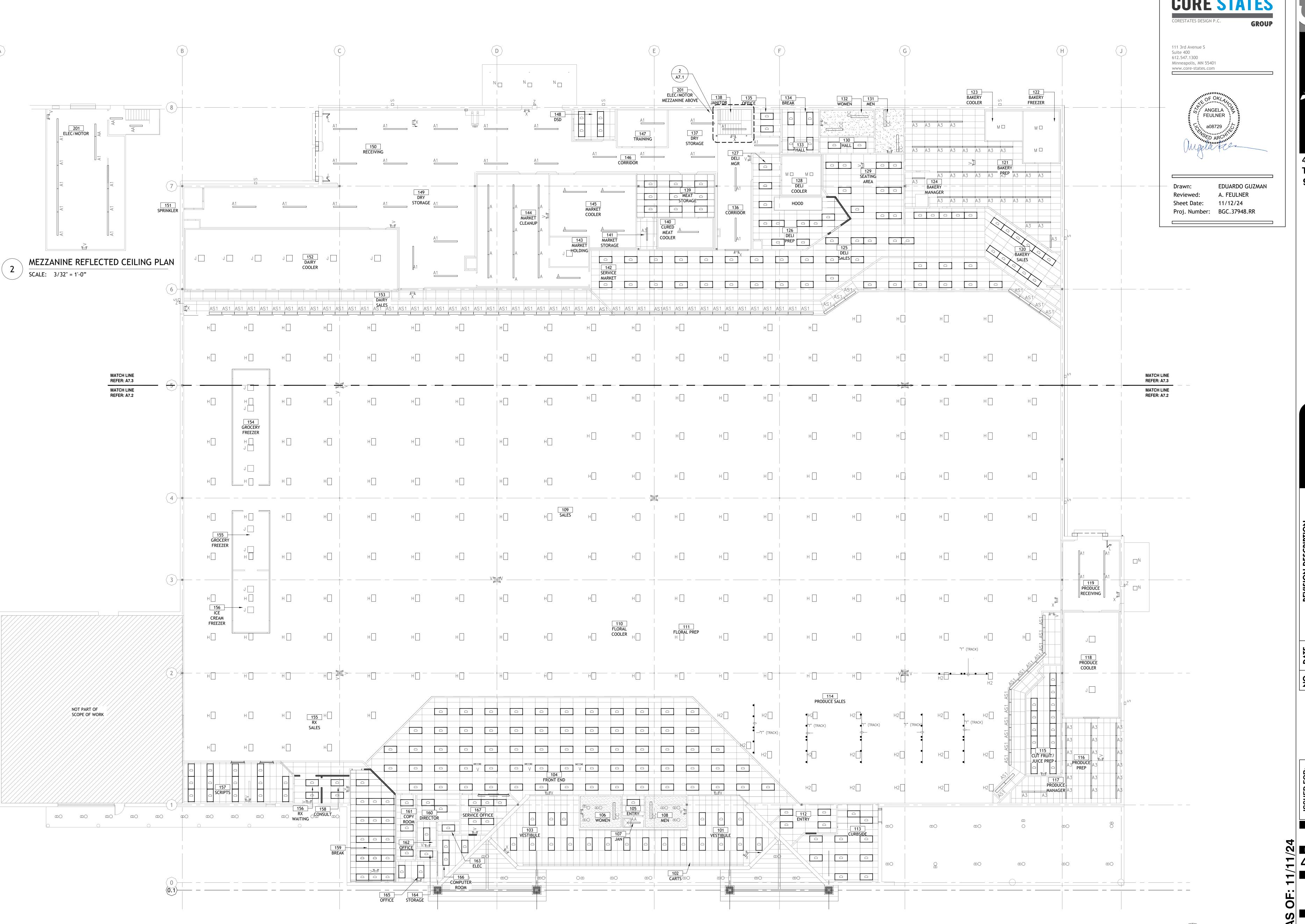
T&S B-0667-RGH, CHICAGO 897, OR ELJER 749-1200.

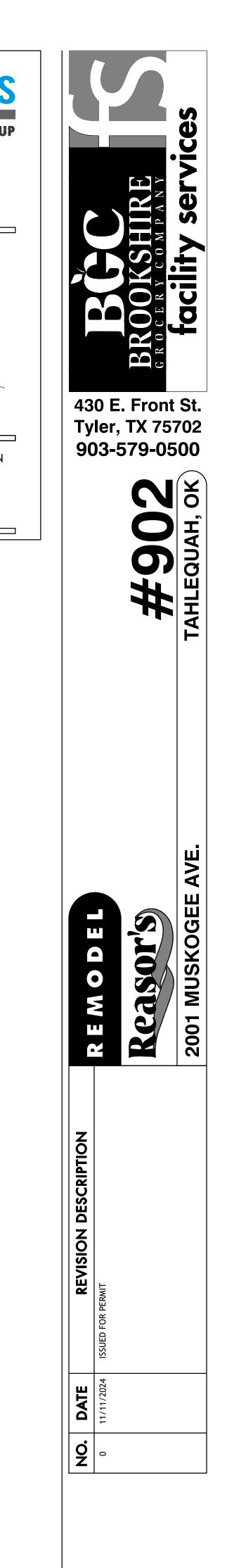
VIII, IX

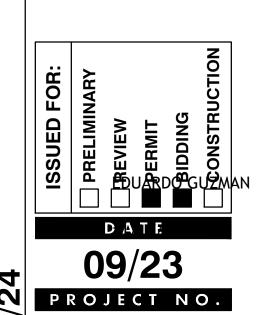






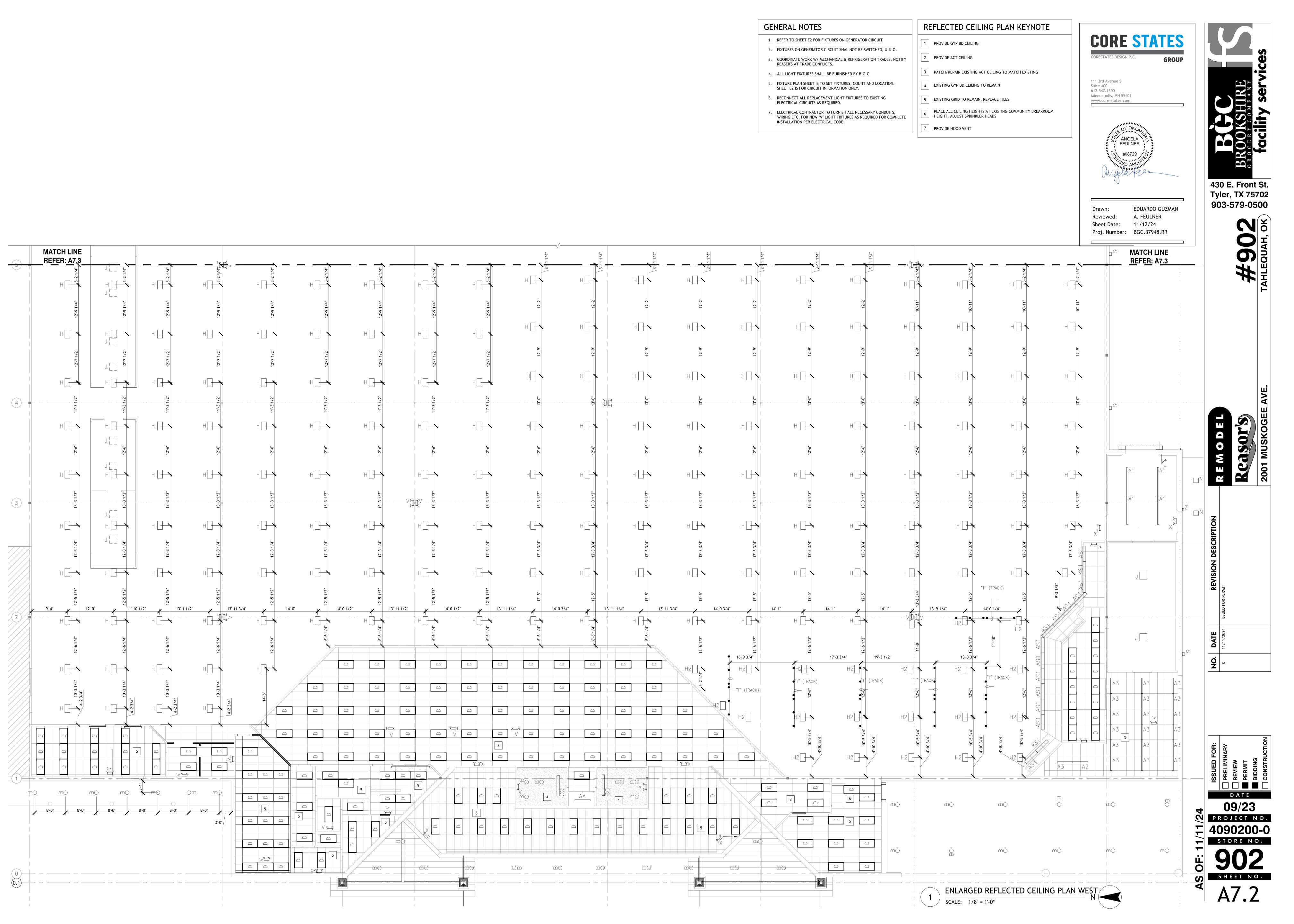


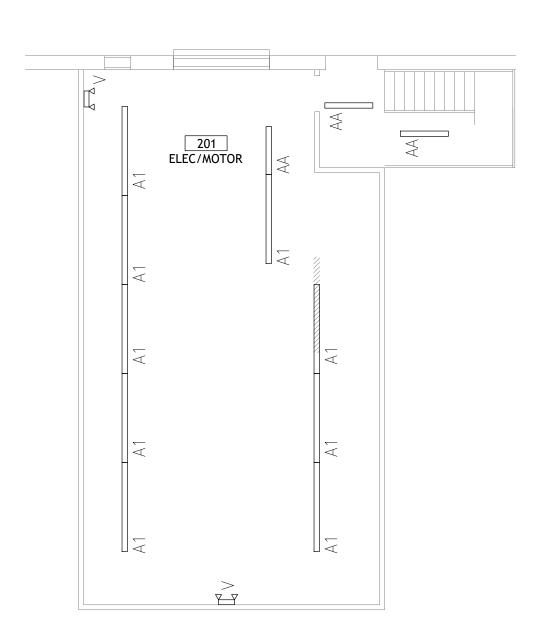




OVERALL REFLECTED CEILING PLAN

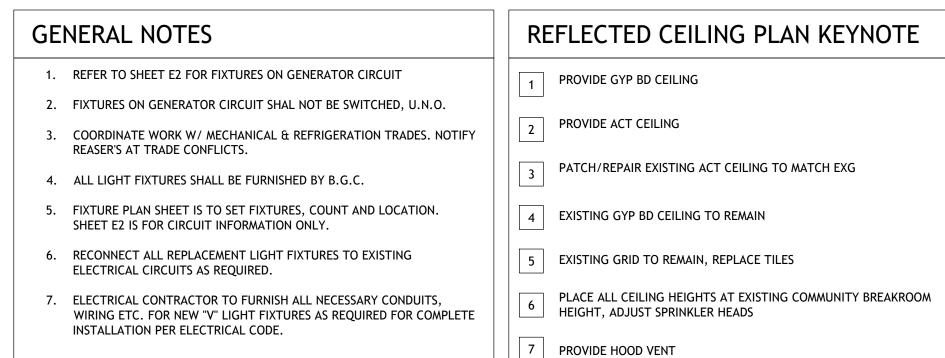
SCALE: 3/32" = 1'-0"

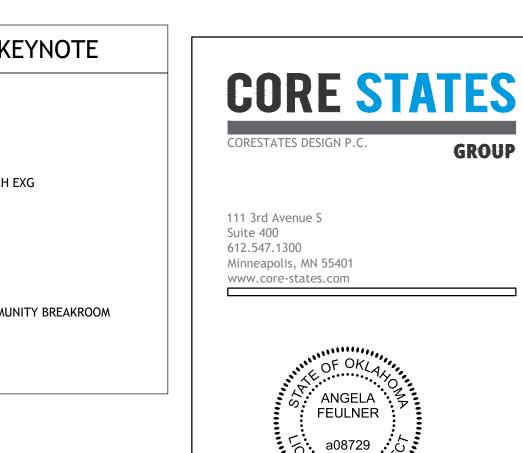




MEZZANINE REFLECTED CEILING PLAN

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





EDUARDO GUZMAN A. FEULNER 11/12/24 Sheet Date: Proj. Number: BGC.37948.RR

ELEC/MOTOR MEZZANINE\
ABOVE 09/23
PROJECT NO. **∓** 4090200-0 MATCH LINE REFER: A7.2

430 E. Front St.

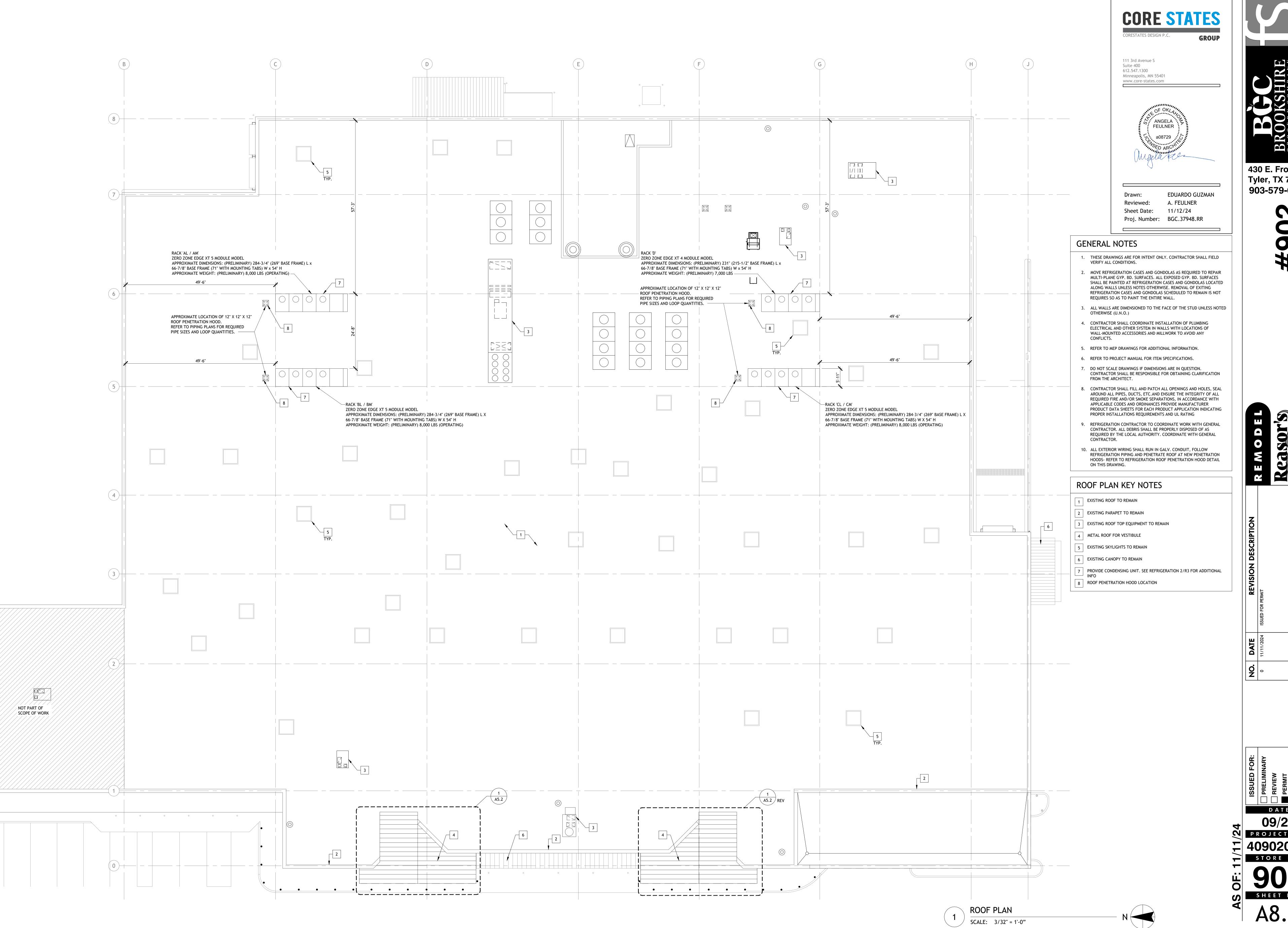
Tyler, TX 75702

903-579-0500

1 ENLARGED REFLECTED CEILING PLAN EAST SCALE: 1/8" = 1'-0"

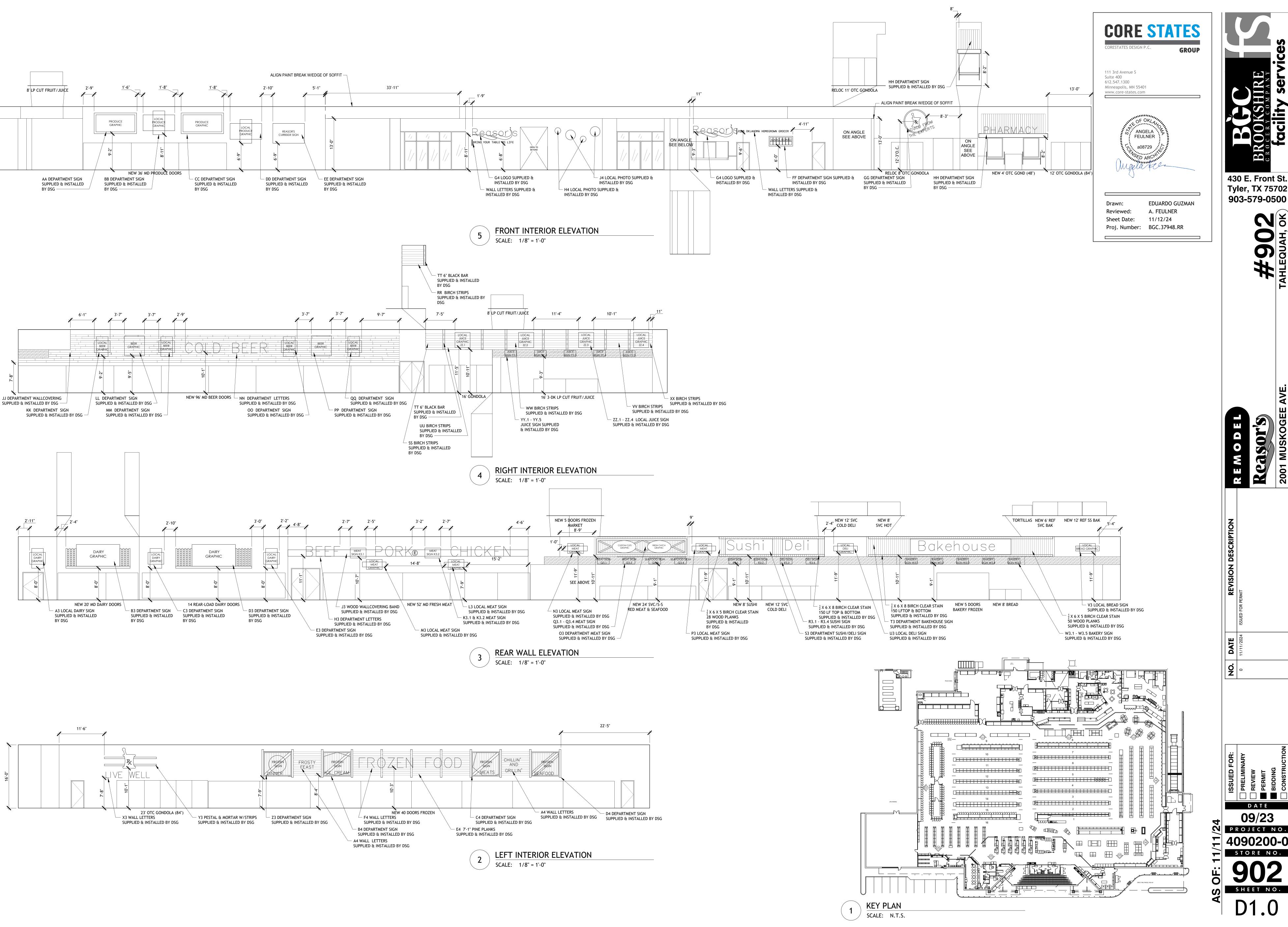
SHEET NO. A7.3

DATE



430 E. Front St. **Tyler, TX 75702** 903-579-0500

09/23
PROJECT NO.



430 E. Front St.

Tyler, TX 75702 903-579-0500

DATE 09/23 PROJECT NO.

4090200-0 STORE NO.

ELECT	RICAL SYMBOLS
(CVMPOL C ADDI	LEGEND
SYMBOLS APPL	Y ONLY WHEN USED ON DRAWINGS) DESCRIPTION
Ю 🗆 / о п	LIGHT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
0	LIGHT FIXTURE,
	VOLUMETRIC LIGHT FIXTURE
∇ Δ	TRACK LIGHTING
\bowtie / \otimes	EXIT FIXTURE (WALL MOUNTED/CEILING MOUNTED)
43 / ∞4	EMERGENCY LIGHT (WALL MOUNTED/CEILING MOUNTED) EMERGENCY LIGHT REMOTE HEADS
\$	(WALL MOUNTED/CEILING MOUNTED) SINGLE POLE SWITCH
\$3	3-WAY SWITCH
\$4 \$K	4-WAY SWITCH KEYED SWITCH
\$D	DIMMER SWITCH
\$VS \$M	VARIABLE SPEED SWITCH MANUAL MOTOR SWITCH
\$os	SINGLE POLE OCCUPANCY SENSOR SWITCH
\$0\$2	DOUBLE POLE OCCUPANCY SENSOR SWITCH
	OCCUPANCY SENSOR SWITCH, FOUR-DIRECTION SENSING
© OS	OCCUPANCY SENSOR SWITCH, ONE-DIRECTION SENSING
Ф	RECEPTACLE, DUPLEX
- Н	RECEPTACLE, DUPLEX, MOUNTED HORIZONTALLY
♦	RECEPTACLE, GFI RECEPTACLE, DUPLEX FLUSH FLOOR
	RECEPTACLE, DUPLEX FLOSH FLOOR RECEPTACLE, DUPLEX ISOLATED GROUND FLUSH FLOOR
#	RECEPTACLE, DOUBLE DUPLEX
Ф	RECEPTACLE, DUPLEX ISOLATED GROUND
<u></u>	RECEPTACLE, DOUBLE DUPLEX, ISOLATED GROUND RECEPTACLE, SIMPLEX TWIST LOCK,
+	L5-15R, UNO RECEPTACLE, SIMPLEX TWIST LOCK,
<u></u>	ISOLATED GROUND, L5-15R, UNO RECEPTACLE, DUPLEX TWIST LOCK, L5-15R, UNO
	RECEPTACLE, DUPLEX TWIST LOCK, ISOLATED GROUND, L5-15R, UNO
<u> </u>	RECEPTACLE, SPECIAL
Φ	RECEPTACLE, SIMPLEX RECEPTACLE, PLUG-MOLD
J J	JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
T	THERMOSTAT (WALL MOUNTED/CEILING MOUNTED)
A	ALARM JUNCTION BOX, (WALL MOUNTED/CEILING MOUNTED)
R	ALARM JUNCTION BOX, FOR REMOTE TEST/RESET (WALL MOUNTED/CEILING MOUNTED)
S	SMOKE DETECTOR
	NON-FUSED DISCONNECT FUSED DISCONNECT
	EQUIPMENT CONNECTION POINT (PROVIDED WITH EQUIPMENT)
	CIRCUIT, CONCEALED IN WALLS OR CEILING, E INDICATES EXISTING WIRING
	CIRCUIT, CONCEALED IN SLAB FLOOR, E INDICATES EXISTING WIRING
	CIRCUIT, EXPOSED, E INDICATES EXISTING WIRING LOW VOLTAGE WIRING
H	CONDUIT SLEEVE
_	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
777	TELEPHONE / DATA BOX FOR ISD LOW VOLTAGE CABLE
igveed	TELEPHONE, FLUSH FLOOR
	MOTOR
	TELEPOWER POLE
9	PUSH BUTTON
B SS	BUZZER SAIL SWITCH
\(\text{\tint{\text{\tin}\text{\tex{\tex	JUNCTION BOX HORN / STROBE
DH	DOOR HOLD OPEN
ABBREVIATION:	TIME CLOCK
a, b, c LOWER (CASE LETTERS INDICATE NG CONFIGURATION
	INISHED FLOOR INISHED GRADE
CCT CIRCUIT CF CEILING CW CASH WE	FAN
EC ELECTRICES EXHAUSTER EXISTING	CAL CONTRACTOR FFAN GTO REMAIN
EWC ELECTRIC	C WATER COOLER
GFEP GROUND GFI GROUND HD HAND DR	FAULT EQUIPMENT PROTECTION FAULT CIRCUIT INTERRUPTER YER
IG ISOLATEI LCU LIGHTING NL NIGHT LI	D GROUND G CONTROL UNIT GHT
NTS NOT TO S REC REFRIGE RC REFRIGE	SCALE RATION ELECTRICAL CONTRACTOR RATION CONTRACTOR
RH RADIANT SC SECURIT TR TAMPER	
TYP TYPICAL UH UNIT HEA UNO UNLESS	ATER NOTED OTHERWISE
WH WATER H WP WEATHE	

GENERAL LIGHTING NOTES

EXIT SIGN MOUNTING A. WALL FIXTURE: CENTER 12" ABOVE DOOR

- OPENING. B. CEILING FIXTURE: ON CEILING OR AT HEIGHT
- SPECIFIED ON DRAWINGS. C. PENDANT FIXTURE: MATCH HEIGHT OF EXISTING PENDANT MOUNTED EXIT SIGNS. IF STORE DOES NOT HAVE PENDANT MOUNTED EXIT SIGNS, THEN
- PENDANT MOUNT SIGN 24" BELOW BOTTOM OF BAR JOIST. VERIFY MOUNTING HEIGHT WITH AHJ. E. COORDINATE LOCATIONS OF EXIT SIGNS TO
- ENSURE STORE SIGNAGE DOES NOT OBSTRUCT THEIR VIEW. F. THE USE OF TRITIUM BASED RADIOACTIVE EXIT
- SIGNAGE IS PROHIBITED. . EMERGENCY LIGHT FIXTURE INSTALLATION A. EXIT SIGNS, EMERGENCY LIGHTS AND NIGHT

DRAWINGS.

- LIGHTS SHALL NOT BE SWITCHED. B. MOUNTING a. WALL FIXTURE: 12" BELOW FINISHED CEILING
 - OR +10'-0" IN AREAS OF EXPOSED STRUCTURE, UNLESS NOTED OTHERWISE. b. PENDANT FIXTURE: BOTTOM CHORD OF BAR JOIST OR AT HEIGHT SPECIFIED ON
- c. REMOTE HEAD FIXTURE: HEADS CENTERED ABOVE DOOR OPENING +9'-0", UNLESS NOTED OTHERWISE AND BATTERY PACK MOUNTED ON INTERIOR SIDE OF WALL 12" BELOW FINISHED CEILING OR AT BAR JOIST IN AREAS
- OF EXPOSED STRUCTURE. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS. ALLOW BATTERY TO CHARGE CONTINUOUSLY FOR A MINIMUM OF 24 HOURS
- BEFORE INITIAL TESTING. D. AFTER EMERGENCY LIGHT HAS BEEN POWERED DO NOT TURN OFF FOR EXTENDED PERIODS OF TIME.
- 3. IN AREAS OF OPEN STRUCTURE, MOUNT STRIP FIXTURE TO BOTTOM CHORD OF BAR JOIST, UNLESS NOTED OTHERWISE.
- 4. FIXTURES DENOTED WITH "ABJ" ARE TO BE FASTENED ON UNISTRUT CHANNELS MOUNTED TO THE BOTTOM SIDE OF THE TOP CHORD OF BAR JOISTS. LOCATE THE FIXTURES RUNNING PERPENDICULAR TO BAR JOISTS WITHIN BAR JOISTS WEBBING SPACES. DO NOT FASTEN FIXTURE OR UNISTRUT CHANNELS TO ROOF DECK.
- 5. CONTRACTOR SHALL PROVIDE ALL UNISTRUT AND HARDWARE NECESSARY TO SPAN BAR JOIST AS REQUIRED FOR A COMPLETE INSTALLATION OF THE LIGHTING SYSTEM.
- 6. PROVIDE SEPARATE BOXES FOR GANGED SWITCHES ON SEPARATE BRANCH CIRCUITS.
- CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE INSTALLATION OF THE LIGHTING SYSTEM AS INDICATED ON PLANS AND/OR AS MODIFIED TO ACCOMMODATE EXISTING OBSTRUCTIONS. IDENTIFY CONFLICTS PRIOR TO ROUGH-IN. WHERE CONFLICTS WITH EXISTING UTILITIES OCCUR, ADJUST FIXTURE LOCATION AS REQUIRED. FIXTURES SHALL BE INSTALLED AS NEAR AS POSSIBLE TO LOCATIONS INDICATED ON PLANS.

OCCUPANCY SENSOR NOTES

- OCCUPANCY SENSORS IN RESTROOMS SHALL BE PROGRAMMED FOR AUTOMATIC ON AND MAXIMUM AVAILABLE TIME DELAY SETTINGS.
- OCCUPANCY SENSORS IN DELI, PRODUCE, AND BAKERY PREP AREAS SHALL BE PROGRAMMED WITH MAXIMUM AVAILABLE TIME DELAY SETTINGS.
- 3. OCCUPANCY SENSORS IN WALK-IN COOLERS/FREEZERS SHALL BE LOW TEMPERATURE RATED AND CEILING MOUNTED WITH INCLUDED BRACKET. ADJUST AIMING FOR MAXIMUM COVERAGE, 10 MINUTE TIME DELAY.
- 4. ALL OTHER OCCUPANCY SENSORS SHALL BE PROGRAMMED WITH THE MINIMUM AVAILABLE TIME DELAY SETTING UNLESS NOTED OTHERWISE.
- 5. ALL SINGLE-POLE OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR MANUAL ON LIGHTING CONTROL UNLESS NOTED OTHERWISE.
- 6. ALL BI-LEVEL OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR AUTOMATIC ON LIGHTING CONTROL FOR 50% OF FIXTURES AND WITH
- WHERE TWO OCCUPANCY SENSORS ARE SHOWN IN THE SAME LOCATION WIRE FOR PARALLEL OPERATION.

MANUAL ON MODE FOR REMAINING FIXTURES.

GENERAL NOTES

- . FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, AND LABOR, FOR A COMPLETE INSTALLATION IN ALL RESPECTS, READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH NEC, NESC, STATE, AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS. PAY ALL NECESSARY FEES AND PERMITS
- A. NO CIRCUITRY SHALL BE ALLOWED TO BE ROUTED ACROSS THE ROOF OR THE EXTERIOR SIDE OF THE EXTERIOR WALLS.
- B. ALL EQUIPMENT SHALL BE UL LISTED WHERE APPLICABLE.
 C. ARRANGE ALL WORK TO MINIMIZE DISRUPTIONS TO STORE OPERATIONS. COORDINATE ALL DISRUPTIONS WITH REASORS CONSTRUCTION MANAGER AND STORE MANAGER.
- D. CONTRACTOR SHALL VERIFY ALL WALL FINISH THICKNESS
 BEFORE INSTALLING BOXES. FURNISH AND INSTALL EXTENDED BOXES OR BOX EXTENDERS WHERE REQUIRED E. CONTRACTOR SHALL VERIFY THAT ALL AFFECTED PANELBOARDS HAVE CIRCUIT BREAKER KNOCKOUTS PROPERLY COVERED AND ALL TRIM IS IN GOOD CONDITION, ALLOWING NO ACCESS TO LIVE PARTS.
- 2. PROVIDE SEALS AT RACEWAY PENETRATIONS AS FOLLOWS: A. FIRE RATED WALLS: SEAL PER SPECIFICATIONS FOR FIRE B. NEUTRALIZATION AREA: SEAL PER MECHANICAL DETAIL.
- C. FREEZER/COOLER BOXES: SEAL WITH EXPANDING FOAM D. EXTERIOR: REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT ALL EXTERIOR MOUNTED DEVICES, FIXTURES, ENCLOSURES, AND RACEWAY PENETRATIONS.
- 3. PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE PER NEC) IN PVC TYPE CONDUIT, POWER AND LIGHTING CIRCUITS, ISOLATED GROUND CIRCUITS, OR AS SHOWN ON PLANS. CONDUIT SHALL BE SIZED PER NEC BASED ON THWN 600 VOLT COPPER SINGLE CONDUCTORS, PLUS THE EQUIPMENT GROUNDING
- WIRING DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH A. SWITCHES +48" B. RECEPTACLES +18" C. VOICE/DATA +18"
- 5. WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
- 6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN UPDATED AND COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY PANELBOARD AFFECTED BY THIS PROJECT.
- NEW OVERCURRENT PROTECTIVE DEVICES INSTALLED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTIVE
- BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 20A BRANCH CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM).
- 9. WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CONDUCTORS PER NEC. 10. PROVIDE UL LISTED HANDLE TIES ON ALL MULTIWIRE BRANCH CIRCUITS PER NEC REQUIREMENTS. 1. SUPPORTS FROM STRUCTURE: NO ATTACHMENT OF ANY TYPE
- SHALL BE MADE TO BRIDGING OR JOIST WEB MEMBERS. UTILIZE ONLY THE TOP AND BOTTOM CHORDS FOR SUPPORTING THE ELECTRICAL SYSTEM INSTALLATIONS. 12. SURFACE MOUNTED CONDUIT ON COOLER/FREEZER PANELS OR IN

SPECIFICATION SECTION 16.100 FOR UNDER SLAB.

- FOOD PREP AREAS SHALL BE INSTALLED WITH GALVANIZED 1/2" STANDOFF CONDUIT HANGERS TO ALLOW FOR CLEANING. 13. ONLY FEEDER CIRCUITS NOTED ON THE ONE LINE DIAGRAM AND BRANCH CIRCUITS NOTED BY LEGEND SHALL BE INSTALLED UNDER SLAB. PROVIDE EXTERIOR COATED GRC BENDS ON ALL CONDUIT RUNS THAT HAVE 45 DEGREE BENDS OR GREATER. REFER TO
- 14. EXISTING ELECTRICAL AND ALARM: A. WHERE DEMOLITION OR NEW CONSTRUCTION INTERRUPTS EXISTING ELECTRICAL CIRCUITS FEEDING EXISTING EQUIPMENT, DEVICES, OR LIGHTING TO REMAIN, BUT NOT SHOWN ON DRAWINGS, PROVIDE LABOR AND MATERIALS TO REWORK
- CIRCUITRY, AS REQUIRED, TO MAINTAIN EXISTING OPERATION.
 B. IF DEMOLITION OR NEW CONSTRUCTION WILL DISRUPT EXISTING UNDERGROUND SERVICES (ELECTRICAL, TELEPHONE. PARKING LOT LIGHTING CIRCUITRY, ETC.) PROVIDE ALL
 MATERIALS AND LABOR AS REQUIRED TO REROUTE, SLEEVE,
 OR OTHERWISE REWORK THESE SERVICES TO MAINTAIN THEIR
- EXISTING OPERATION.

 C. EXERCISE CAUTION AROUND ALARM AND SECURITY CABLES DURING DEMOLITION AND CONSTRUCTION. PROTECT ALARM AND SECURITY CABLES FROM ACCIDENTAL DAMAGE SO THAT SYSTEMS REMAIN OPERATIONAL AT ALL TIMES.

 D. DISPOSE OF ALL REMOVED MATERIALS, UNLESS OTHERWISE
- 15. EXISTING ELECTRICAL DEMOLITION:
 A. GENERAL: REMOVE OR RELOCATE EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND CONDUCTORS AS INDICATED ON THE DRAWINGS, OR ONLY AS REQUIRED BY DEMOLITION.
- B. SALES FLOOR: REMOVE UNUSED POWER DROP CONDUIT, CONDUCTORS AND RELATED DEVICES SERVING SALES AREA GONDOLAS BEING RELOCATED OR REMOVED. EXISTING CONDUIT AND CONDUCTORS MAY BE REUSED FOR NEW POWER DROPS WHERE SIZE, RATING, AND CONDITION MEET REQUIREMENTS INDICATED ON PLANS AND ALL U.L. RATINGS. REMOVE ALL UNUSED CONDUIT AND CONDUCTORS BACK TO POINT OF ORIGIN WHENEVER FEASIBLE. IF CIRCUIT IS NOT REUSED, REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. UPDATE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR "SPARE"
- C. CONDUIT AND WIRING TO BE ABANDONED IN CEILING SPACES AND OTHER NON-PUBLIC AREAS (I.E., THROUGH STOCKROOM AREA); CUT WIRING LOOSE AND REMOVE FROM RACEWAY(S), LEAVING RACEWAY(S) IN PLACE. CONDUIT TO BE ABANDONED IN WALLS OR FLOORS SHALL BE REMOVED BACK TO FINISHED SURFACE AND CAPPED INSIDE. APPROVED ELECTRICAL ENCLOSURE REPAIR SURFACE(S) TO MATCH
- D. ALL CIRCUIT BREAKERS SERVING BRANCH CIRCUITS TO BE REMOVED SHALL ALSO BE REMOVED. REMOVE CIRCUIT BREAKER AND REPLACE WITH FILLER PLATE. UPDATE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR "SPARE".
- F. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
- ETHERNET CABLE:
 A. FURNISH AND INSTALL JUNCTION BOXES AS SHOWN ON PLANS.
 PROVIDE CONDUIT AS REQUIRED BY LOCAL CODES AND/OR ORDINANCES.
- B. ETHERNET CABLE IS FURNISHED BY OTHERS. C. ELECTRICAL CONTRACTOR SHALL INSTALL CABLE IN POWER
- D. ELECTRICAL CONTRACTOR SHALL INSTALL OTHER CABLE AS DIRECTED BY REASORS CONSTRUCTION MANAGER.

GROUP

111 3rd Avenue S Suite 400 612.547.1300 Minneapolis, MN 55401 www.core-states.com



NDQ JEG Reviewed: 02-24-2024 Sheet Date:

Proj. Number: BGC.37948.RR

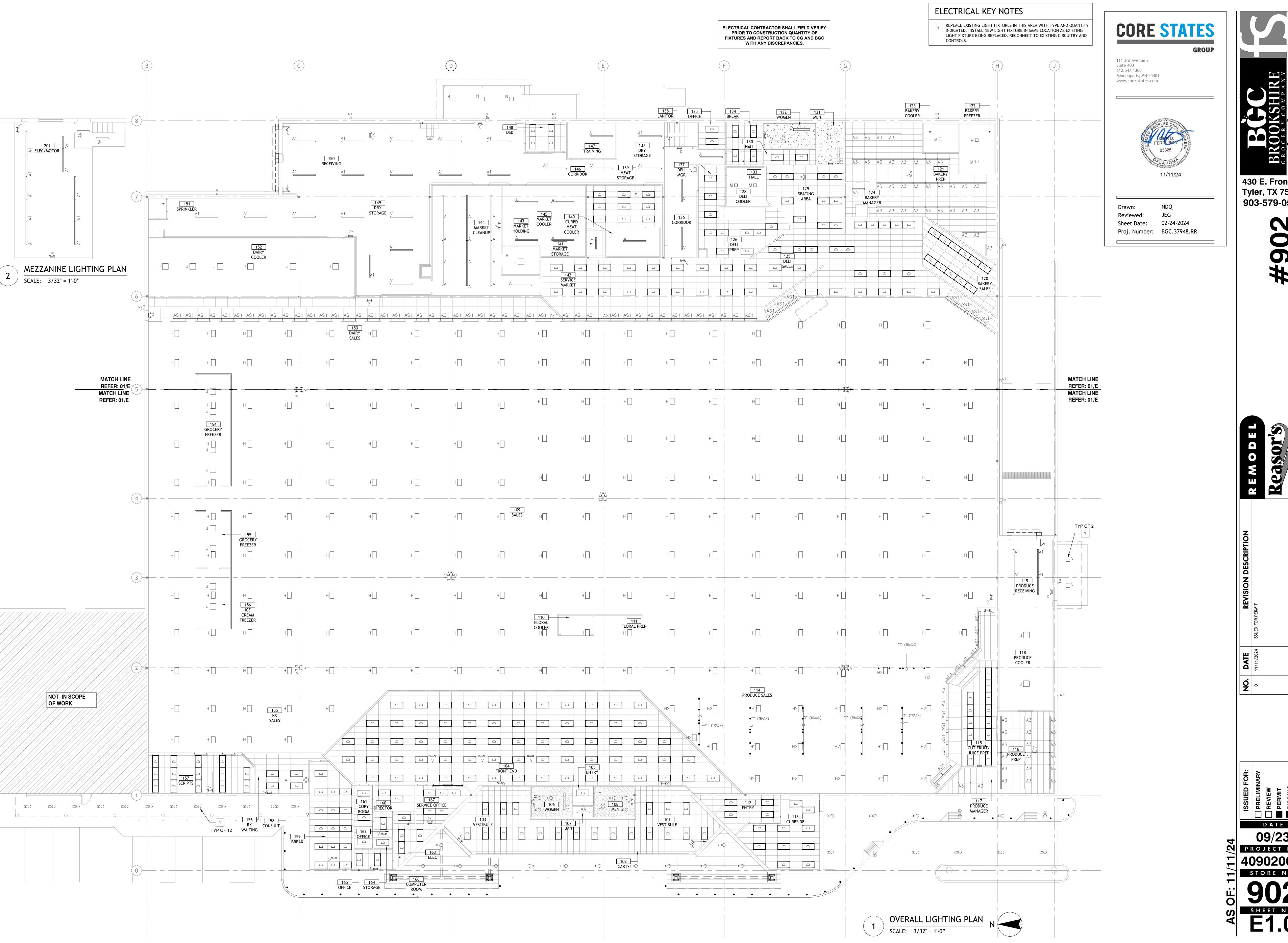
Drawn:

430 E. Front St. **Tyler, TX 75702**

903-579-0500

DATE 09/23 PROJECT NO. **4090200-0**

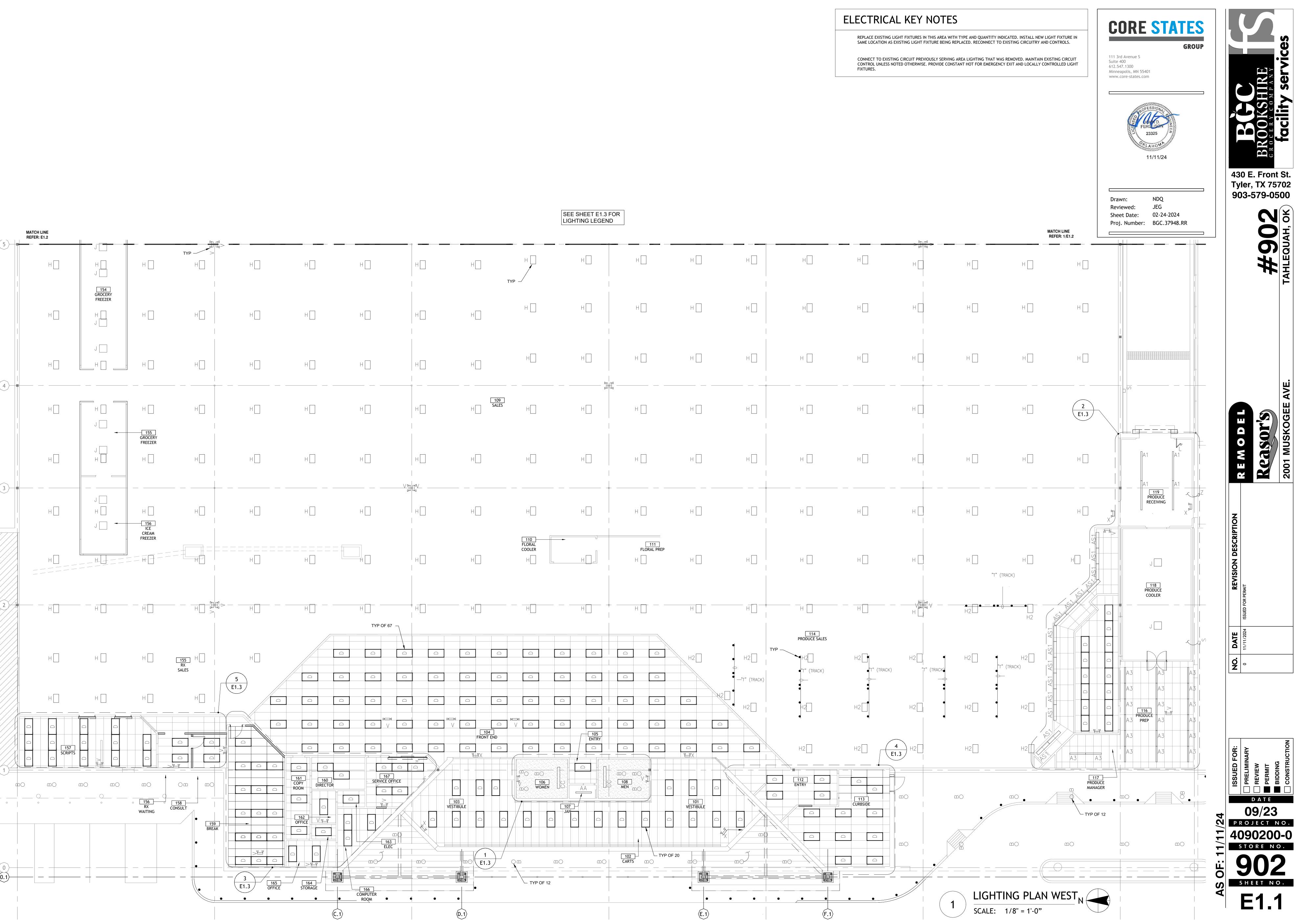




430 E. Front St. **Tyler, TX 75702** 903-579-0500

DATE

09/23
PROJECT NO. **4090200-0** STORE NO.



ELECTRICAL KEY NOTES

- REPLACE EXISTING LIGHT FIXTURES IN THIS AREA WITH TYPE AND QUANTITY INDICATED. INSTALL NEW LIGHT FIXTURE IN SAME LOCATION AS EXISTING LIGHT FIXTURE BEING REPLACED. RECONNECT TO EXISTING CIRCUITRY AND CONTROLS.
- CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING AREA LIGHTING THAT WAS REMOVED. MAINTAIN EXISTING CIRCUIT CONTROL UNLESS NOTED OTHERWISE. PROVIDE CONSTANT HOT FOR EMERGENCY EXIT AND LOCALLY CONTROLLED LIGHT FIXTURES.

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

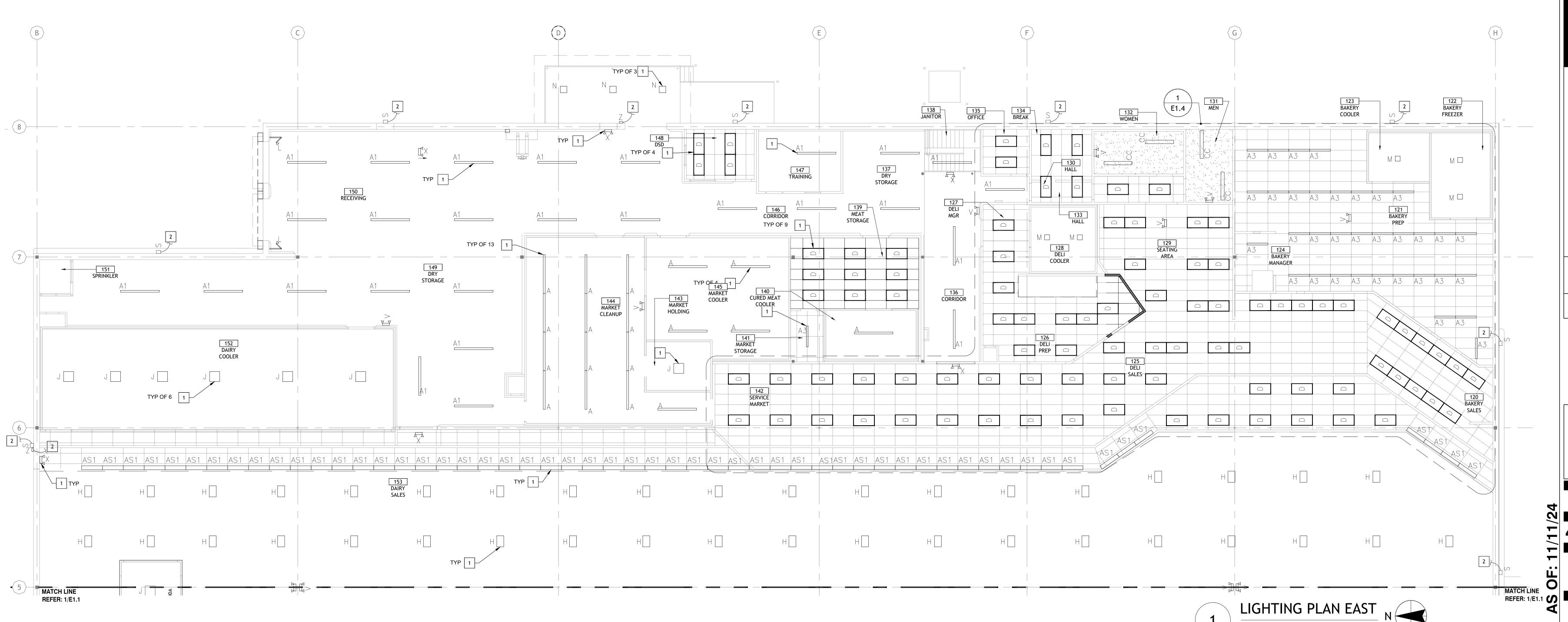
GROUP

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NDQ Drawn: JEG 02-24-2024 Sheet Date: Proj. Number: BGC.37948.RR

SEE SHEET E1.3 FOR LIGHTING LEGEND



430 E. Front St. **Tyler, TX 75702**

903-579-0500

DATE 09/23

PROJECT NO. **=** 4090200-0 STORE NO.

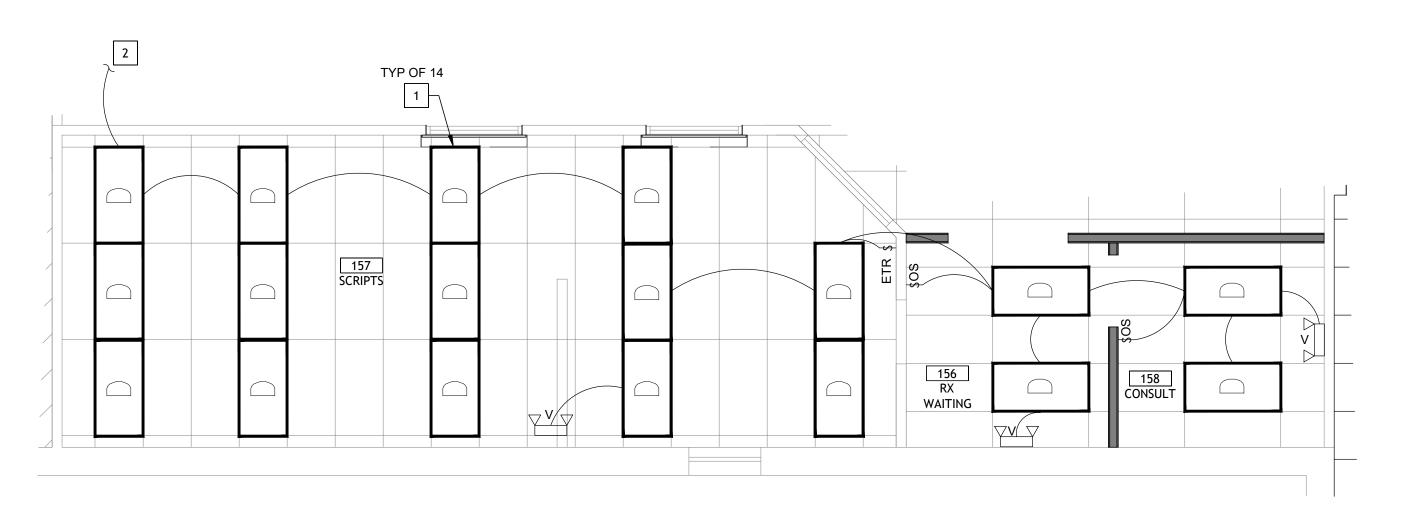
E1.2

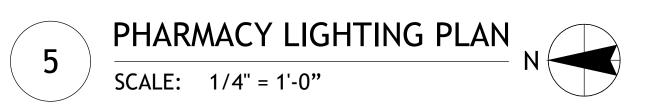
<u> </u>	NEW (7'-5 1/4") SQUARE STRIP LIGHTS, MOUNT TIGHT TO CEILING WITH MOUNTING BRACKETS. 4000K	QTY. SCT 281	65.9 WATTS	H.E. WILLIAMS 75S-8-L100/840-C2BW/ RY-315-DIM-UNV
1	EXISTING FIXTURE TO REMAIM. INSTALL 4 NEW LITE TECHNOLOGY DOUBLE-ENDED LAMPS INTO EXISTING SOCKETS(BY-PASS EXISTING BALLAST	QTY. SCT 345		LITE TECHNOLOGY HSL SVL-LT8BDGC-48L-18W- 2100L-40K
2	NEW LIGHT FIXTURE TO BE INSTALLED IN EITHER EXISTING OR NEW LOCATIONS.	QTY. SCT	18 WATTS	H.E. WILLIAMS 75S-4-L65/840-C2BW/ RY-315-DIM-UNV
3	4'-2 LAMP-T8 STRIP OR 2X4 EXISTING FIXTURE TO REMAIN. INSTALL 2 NEW LIGHTS. DOUBLE ENDED LAMPS INTO EXISTING SOCKETS (BY-PASS EXISTING BALLAST)	QTY. SCT	18 WATTS	LITE TECHNOLOGY HSL SVL-LT8BDGC-48L-18W -2100L-35K
С	SURFACE MOUNT TO GYPSUM BOARD CEILING IN EXISTING LOCATION	QTY. SCT	37.2 WATTS	H.E. WILLIAMS 39-4-L52/840-A-DRV-UNV
	LED FLAT PANEL, 2X4 LAY-IN CEILING GRID	QTY. SCT 107	38.0 WATTS	LITHONIA EPANL-2X4-4000LMHE- 80CRI-40K-MIN10-MVOLT
12	MOUNT BOTTOM OF FIXTURE EVEN WITH BOTTOM OF JOIST. ELECTRICAL CONTRACTOR TO PROVIDE AIRCRAFT CABLE W/ OVAL SLEEVES FOR INSTALLATION.	QTY. SCT	114 WATTS	LITHONIA IBG-18000LM-SEF-AFL-FD -MVOLT-GZ10-35K- 80CRI-DNA-IBGACVH.
J 🗌	COOLER/FREEZER LIGHTING, MOUNT NEW FIXTURE AT EXISTING OR NEW LOCATION.	QTY. SCT 17	92 WATTS	LSI CRUS-SM-SC-LED-SS-CW-UE-WH
S	DOCK LIGHTING MOUNT TO WALL AT 72" A.F.F.	QTY. SCT	250 WATTS	C-LITE LED DOCK LIGHT C-SPC-A-WTD-42IN-3L-57K -120V-YLW
л П	COOLER/FREEZER LIGHTING, MOUNT NEW FIXTURE AT EXISTING OR NEW LOCATION.	QTY. SCT	90 WATTS	C-LITE C-CP-B-SQ-12L-40K-WH
	INSTALL WITH CORD IN GALVANIZED CONDUIT FULL HEIGHT. MOUNT BOTTOM OF FIXTURE AT 12'-0" A.F.F.	QTY. SCT	40 WATTS	LITHONIA VCVL LED-V8-P3-35K-80CRI -TSW-MVOLT- PM-LDS108-DDBXD
S	EXTERIOR WALL PACK FOR WET LOCATIONS FIXTURE AT EXISTING OR NEW LOCATION.	QTY. SCT	120-277 WATTS	LITHONIA TWX3 LED P4 50K MVOLT DDBXD
T	SOLARIS HEAD SOLARIS TRACK (91 1/8"L) SOLARIS JOINER STRAIGHT CONNECTOR SOLARIS END CAP SOLARIS LIVE END FEED	QTY. 36 QTY. 12 QTY. 6 QTY. 6 QTY. 6	60-75 WATTS	LCS-1-NFL-940-1600-BK-J JT1-ST-8-BK JT1-ST-SJC-BK JT1-ST-ECC-BK JT1-ST-EFS-BK
	PROVIDE TRACK LENGTHS AND CONNECTION ACCESSORIES AS REQUIRED. SUSPEND TRACK LIGHTING AT 12'-0" A.F.F. WITH ALL-THREADS PAINTED TO MATCH LIGHTING.			
V	MOUNT TO BOTTOM CHORD OF JOIST AT SALES AREA, MOUNT TO CEILING AT FINISHED CEILING, MOUNT TO FACE OF INSULATED PANEL, MOUNT TO WALL W/ TOP OF FIXTURE 6" BELOW CEILING OR MOUNT BOTTOM OF FIXTURE AT 12'-0" A.F.F. IF MOUNTED AT EXPOSED STRUCTURE (U.N.O.).	QTY. SCT	14.2 WATTS	LITHONIA ELM6L-W- UVOLT-LTP
x 🖺	MOUNTED AT 9'-0" A.F.F. CENTERED ABOVE DOOR. ARROWS AS INDICATED OR REQUIRED.	QTY. 8	4.3 WATTS	LITHONIA LHQM-LED-R-M6 (CEILING OR WALL)
Z O	SET FOR "EMERGENCY ONLY" MODE. SET PATH OF EGRESS PHOTOMETRICS TO BE PARALLEL WITH WALL. INSTALL FIXTURE AT 9'-0" A.F.F. AT 1'-0" BEYOND STRIKE SIDE OF DOOR U.N.O.	QTY. SCT	3-8 WATTS	PHILIPS CHLORIDE PLEMBZ

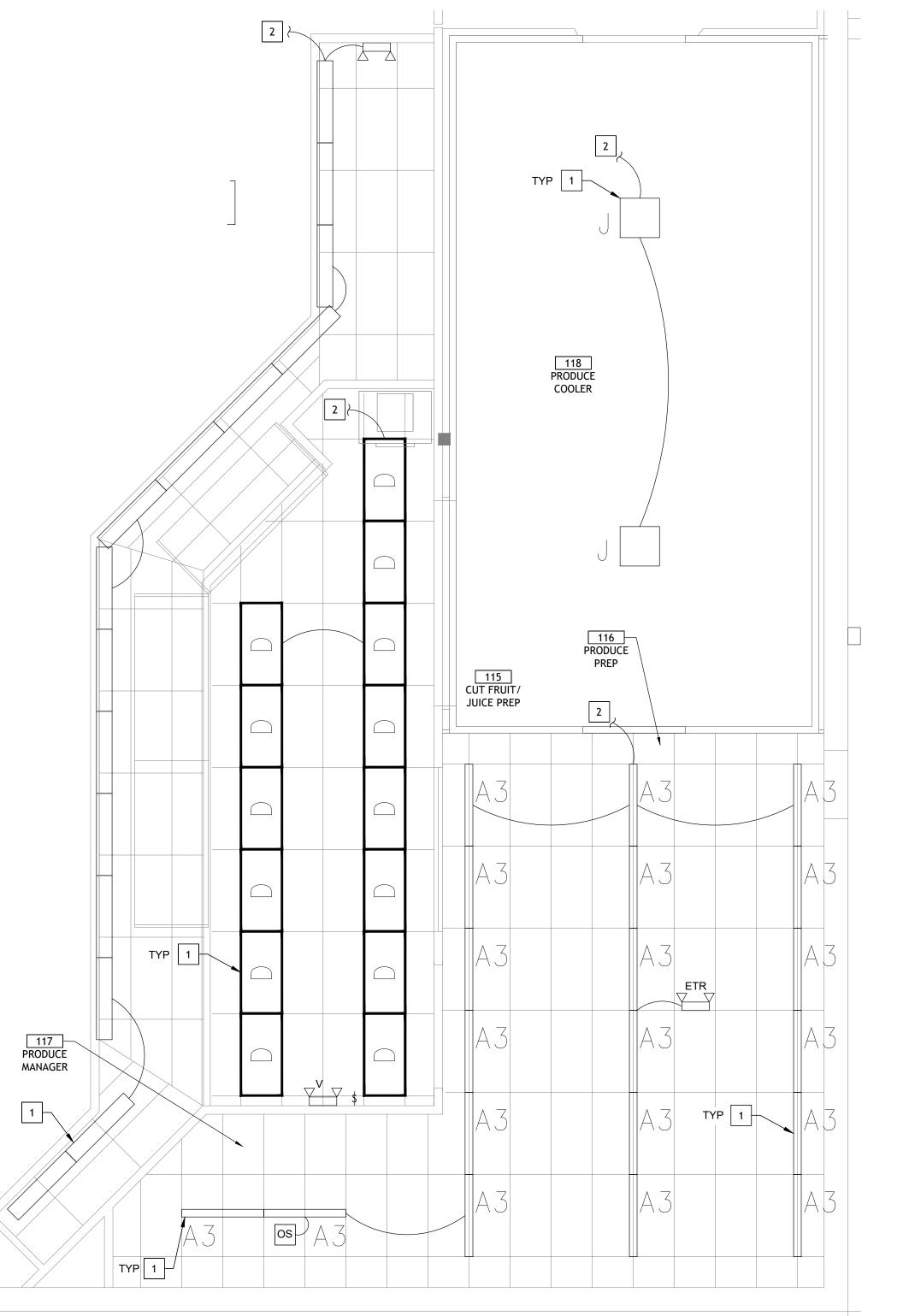
OF EGRESS PHOTOMETRICS TO BE PARALLEL WITH WALL. INSTALL FIXTURE AT 9'-0" A.F.F. AT 1'-0" BEYOND STRIKE SIDE OF DOOR U.N.O.

ELECTRICAL KEY NOTES

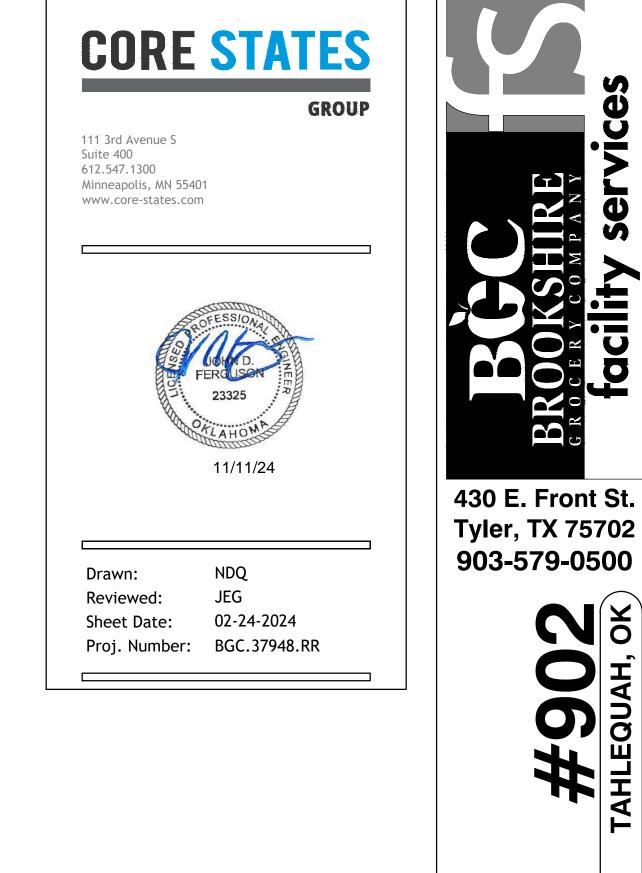
- REPLACE EXISTING LIGHT FIXTURES IN THIS AREA WITH TYPE AND QUANTITY INDICATED. INSTALL NEW LIGHT FIXTURE IN 1 | SAME LOCATION AS EXISTING LIGHT FIXTURE BEING REPLACED. RECONNECT TO EXISTING CIRCUITRY AND CONTROLS.
- CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING AREA LIGHTING THAT WAS REMOVED. MAINTAIN EXISTING CIRCUIT 2 CONTROL UNLESS NOTED OTHERWISE. PROVIDE CONSTANT HOT FOR EMERGENCY EXIT AND LOCALLY CONTROLLED LIGHT
- 3 REPLACE EXISTING LIGHT SWITCH WITH OCCUPANCY SENSOR.

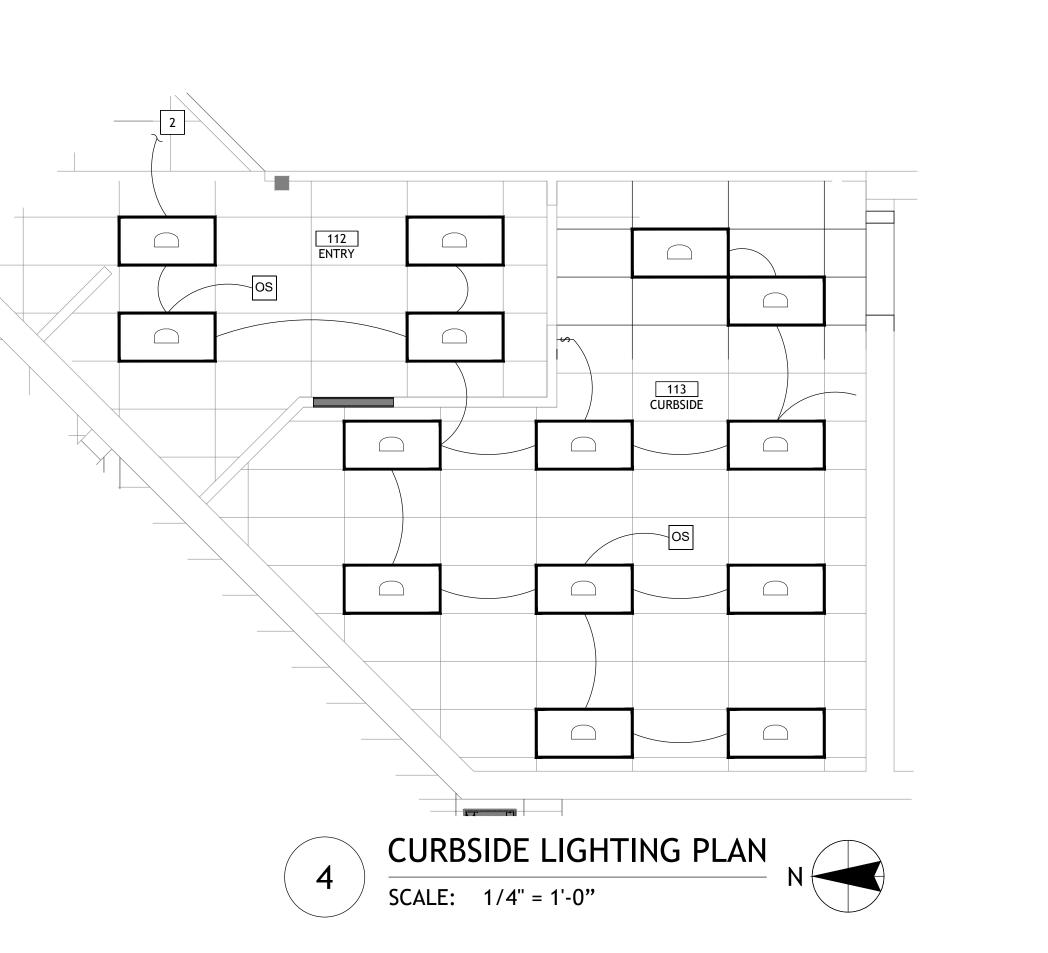


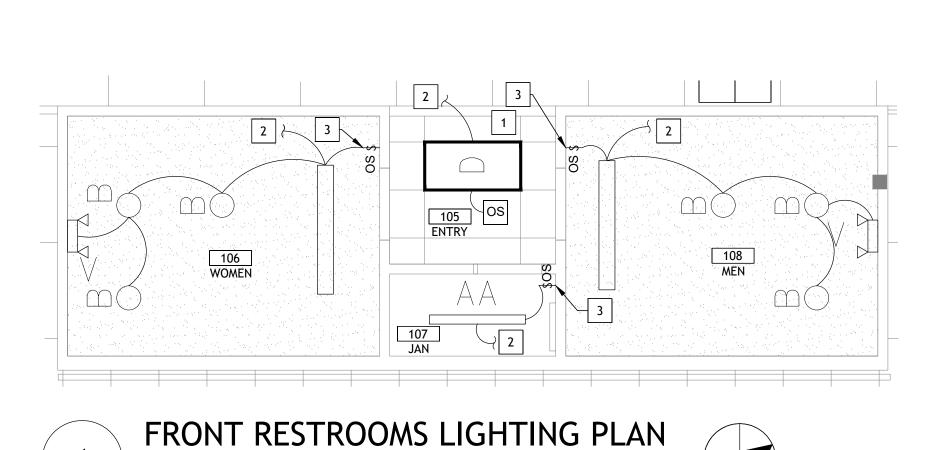




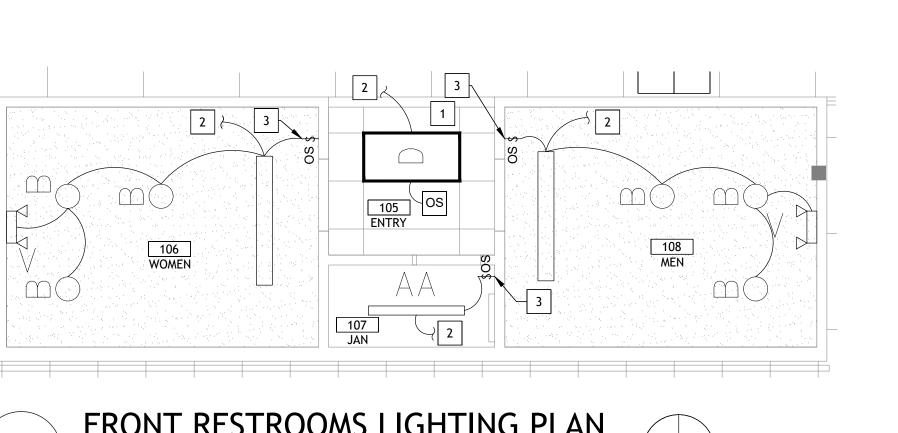












09/23
PROJECT NO. 4090200-0 STORE NO. 902
SHEET NO.
E1.3

DATE



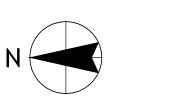
TYP OF 16 1

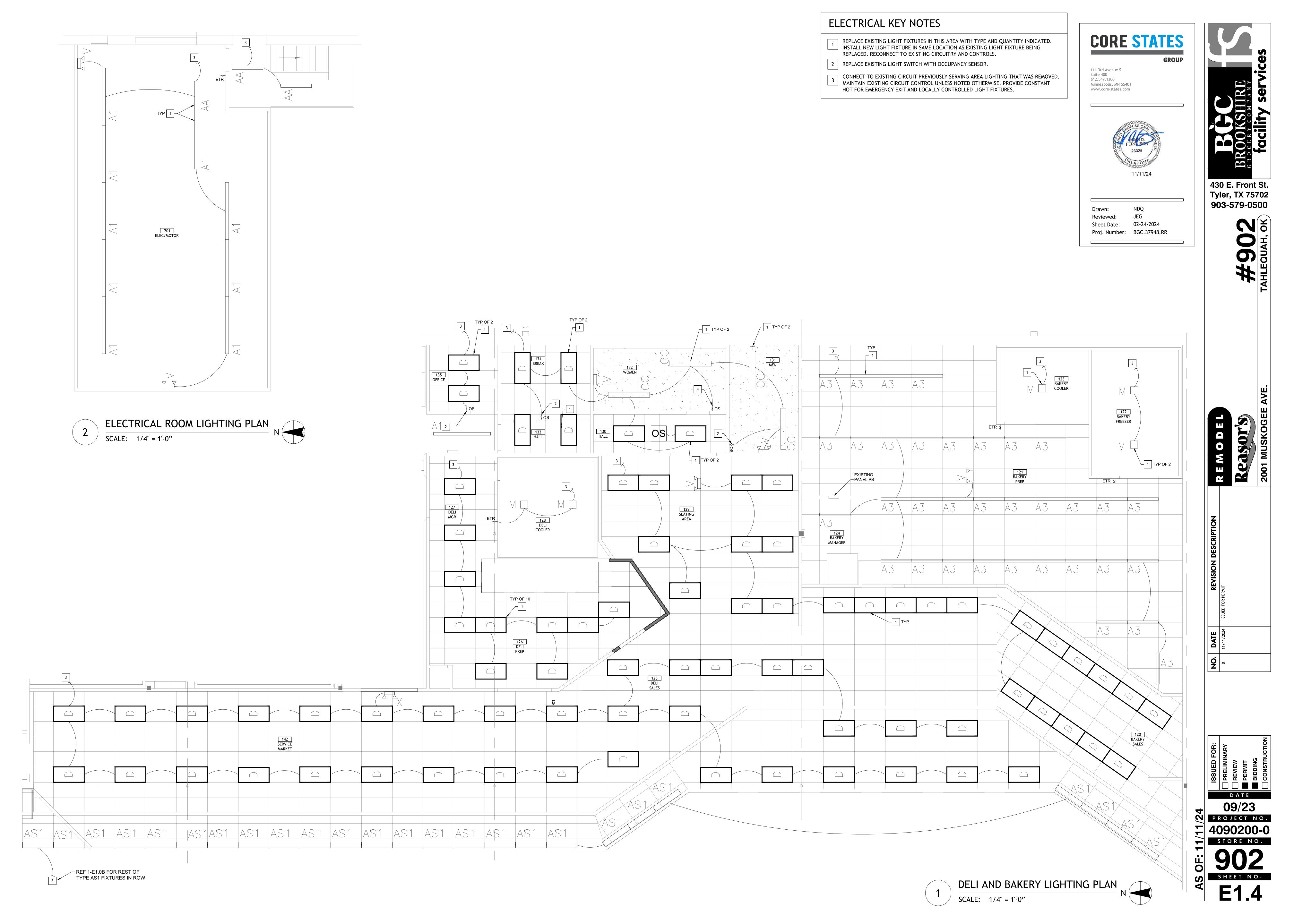
FRONT OFFICES LIGHTING PLAN N SCALE: 1/4" = 1'-0"

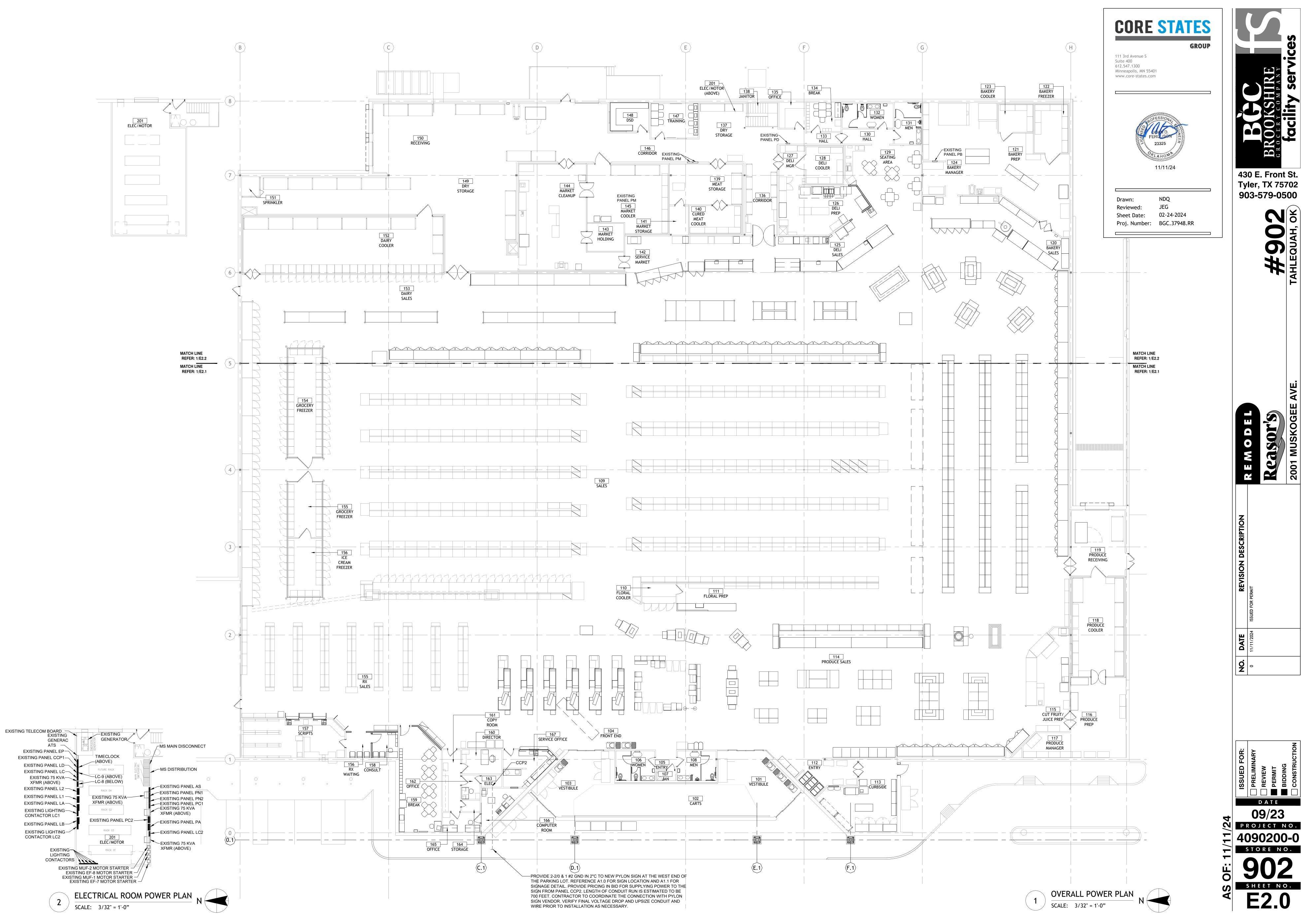


Y

167 SERVICE OFFICE

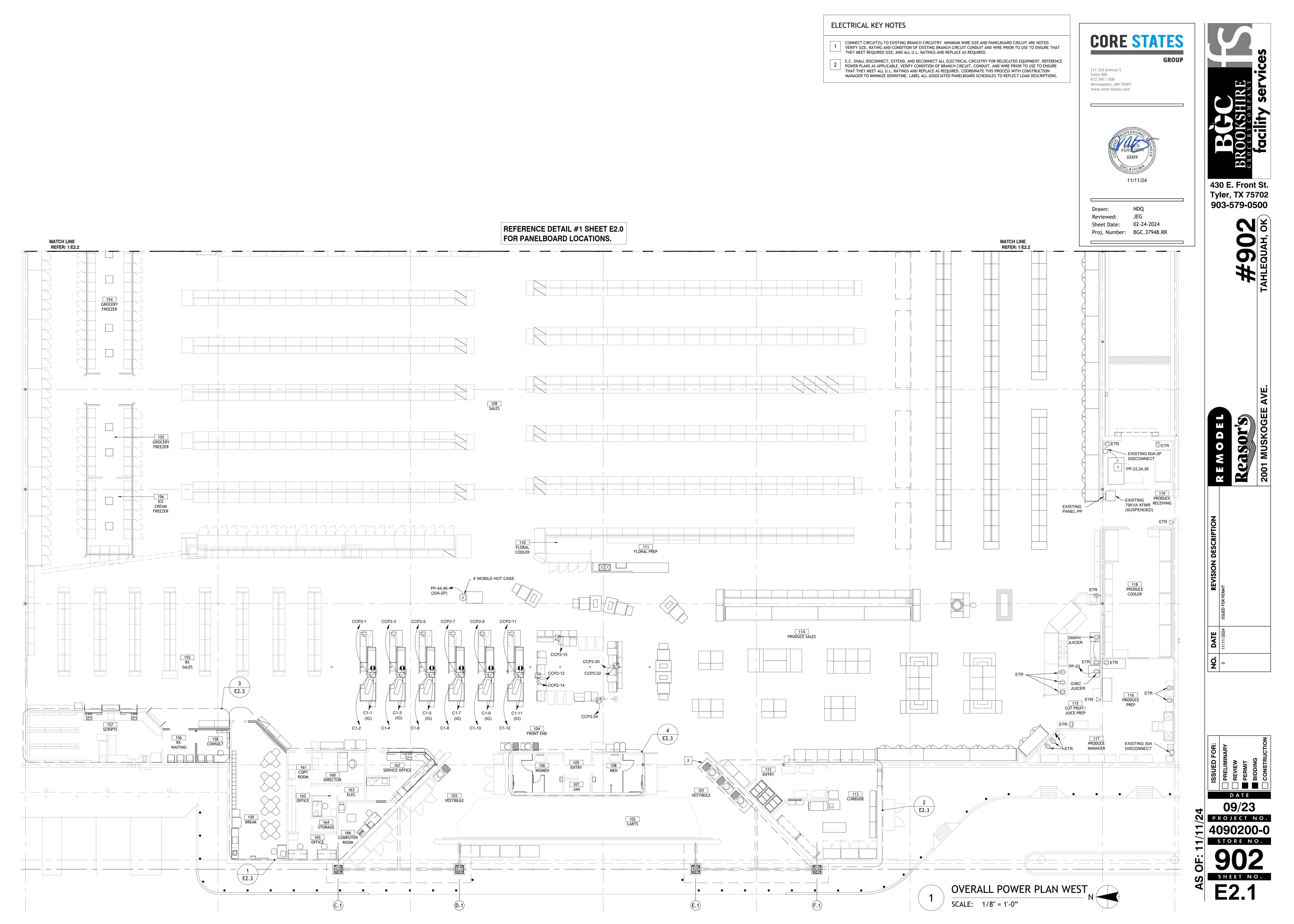






Tyler, TX 75702

PROJECT NO. STORE NO.



- CONNECT CIRCUIT(S) TO EXISTING BRANCH CIRCUITRY. VERIFY SIZE, RATING AND CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET REQUIRED SIZE, AND ALL U.L. RATINGS AND
- E.C. SHALL DISCONNECT, EXTEND, AND RECONNECT ALL ELECTRICAL CIRCUITRY FOR RELOCATED EQUIPMENT. REFERENCE POWER PLANS AS APPLICABLE. VERIFY CONDITION OF BRANCH CIRCUIT, CONDUIT, AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET ALL U.L. RATINGS AND REPLACE AS REQUIRED. COORDINATE THIS PROCESS WITH CONSTRUCTION MANAGER TO MINIMIZE DOWNTIME. LABEL ALL ASSOCIATED PANELBOARD SCHEDULES TO REFLECT LOAD DESCRIPTIONS.

CORE STATES

GROUP

430 E. Front St.

Tyler, TX 75702

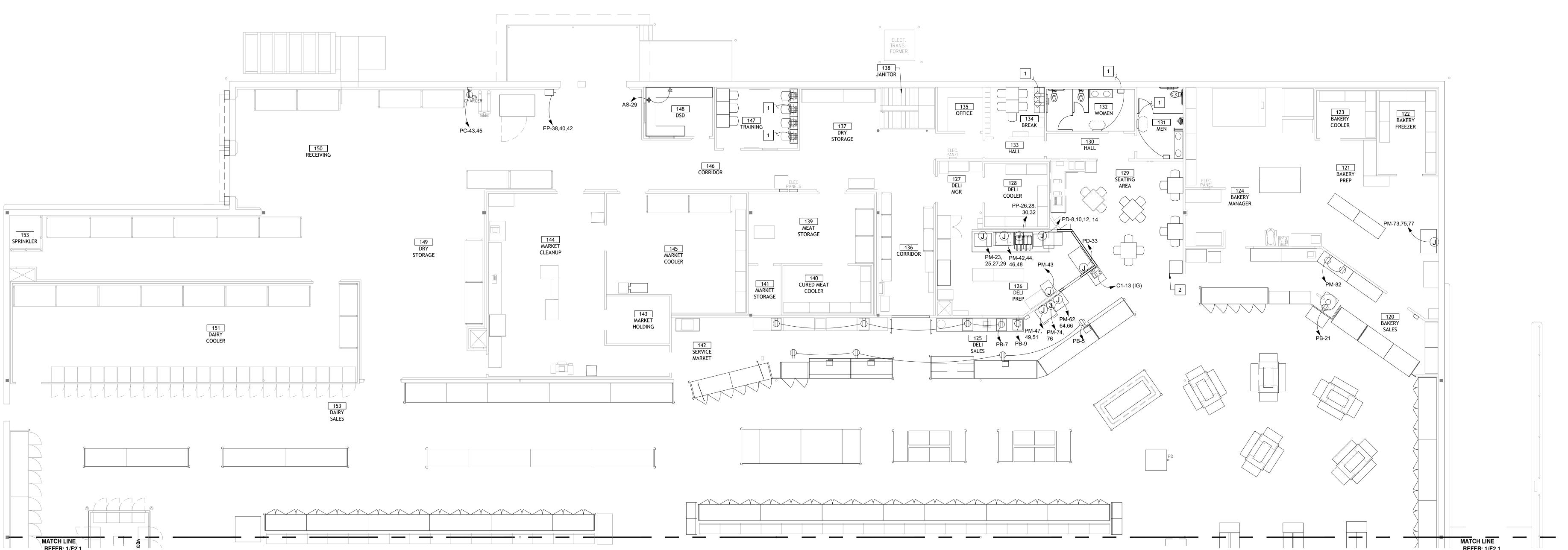
903-579-0500

111 3rd Avenue S Suite 400 612.547.1300 Minneapolis, MN 55401 www.core-states.com



Drawn: NDQ
Reviewed: JEG
Sheet Date: 02-24-2024
Proj. Number: BGC.37948.RR

REFERENCE DETAIL #1 SHEET E2.0 FOR PANELBOARD LOCATIONS.



1 POWER PLAN EAST

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



ISSUED FOR:
DATENO.DATEREVIEW□ PRELIMINARY
□ REVIEW011/11/2024ISSUED FOR PERMIT■ PERMIT
□ CONSTRUCTIONA 11/11/2024ISSUED FOR PERMIT

DATE

09/23
PROJECT NO.

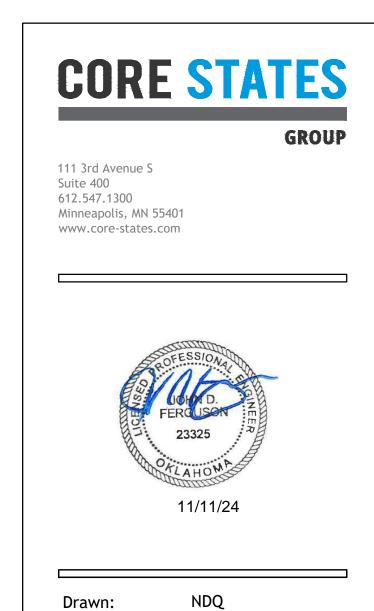
4090200-0
STORE NO.

902

SHEET NO F2 2



CONNECT CIRCUIT(S) TO EXISTING BRANCH CIRCUITRY. MINIMUM WIRE SIZE AND PANELBOARD CIRCUIT ARE NOTED. VERIFY SIZE, RATING AND CONDITION OF EXISTING BRANCH CIRCUIT CONDUIT AND WIRE PRIOR TO USE TO ENSURE THAT THEY MEET REQUIRED SIZE, AND ALL U.L. RATINGS AND REPLACE AS REQUIRED.



430 E. Front St. **Tyler, TX 75702** 903-579-0500

09/23
PROJECT NO. **4090200-0**

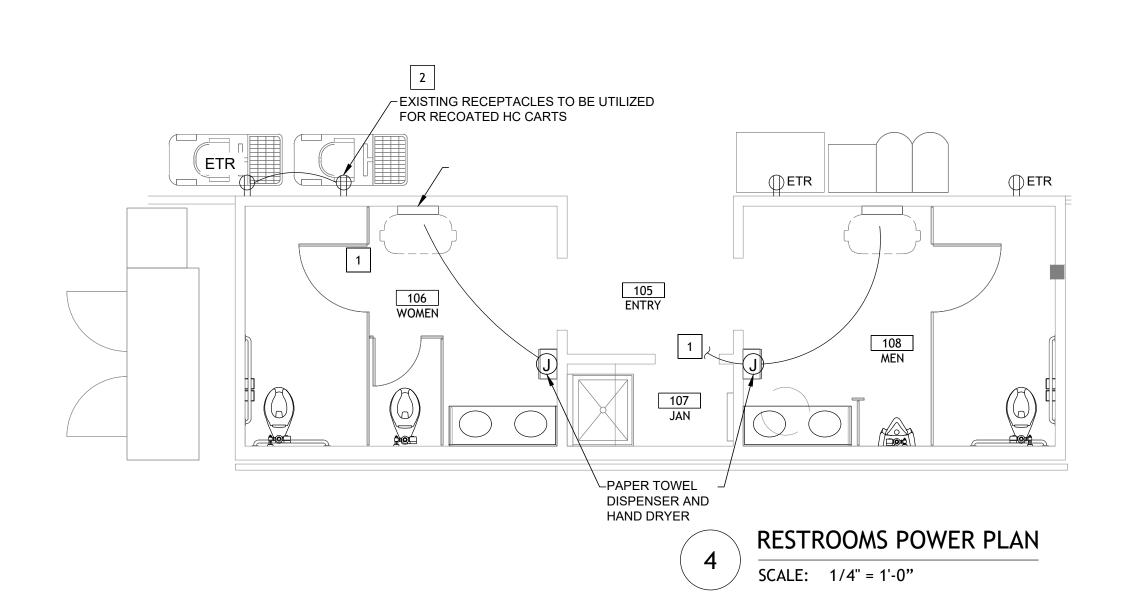
STORE NO.

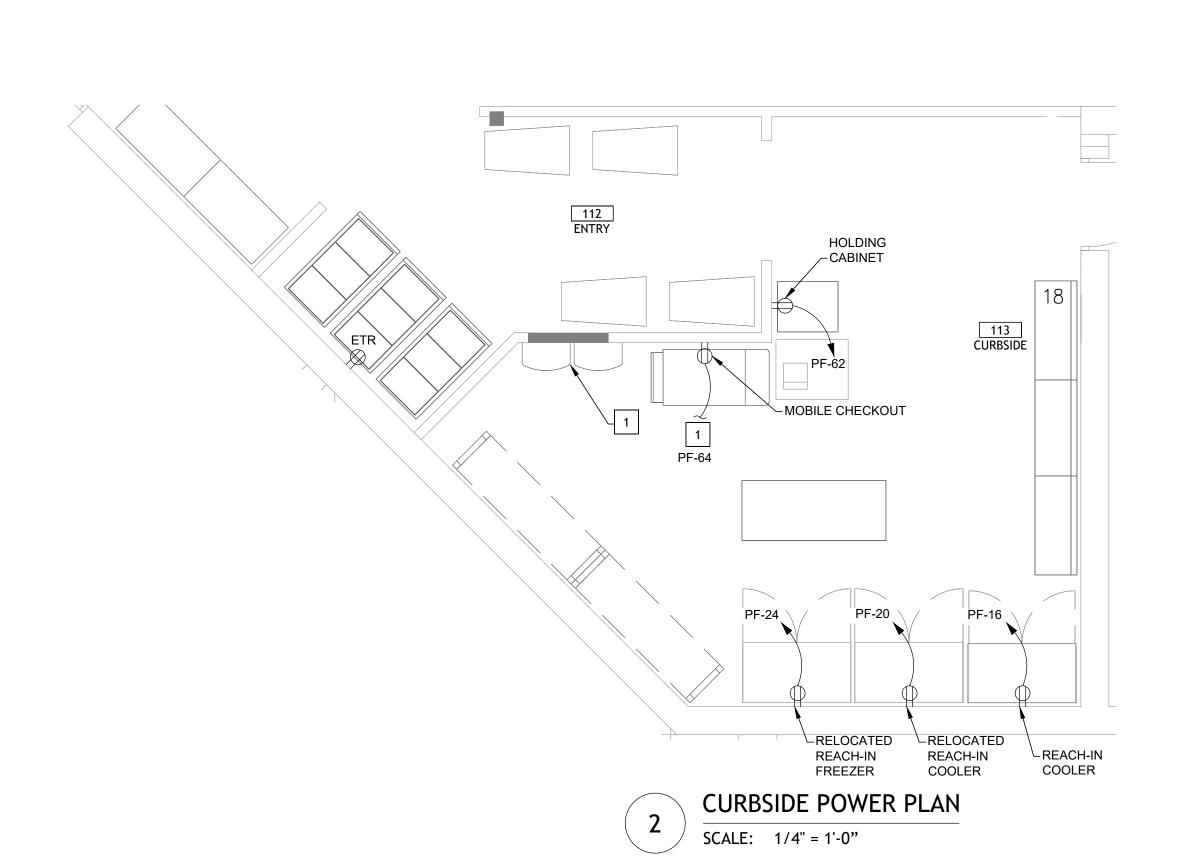
FRONT OFFICES POWER PLAN

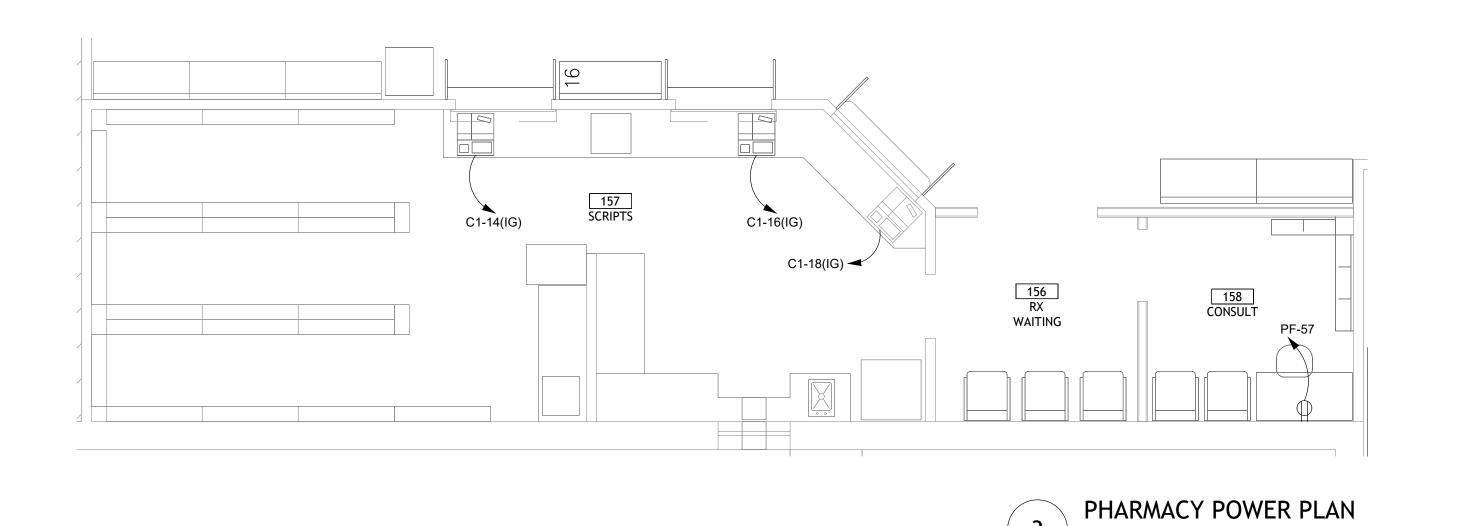
SCALE: 1/4" = 1'-0"

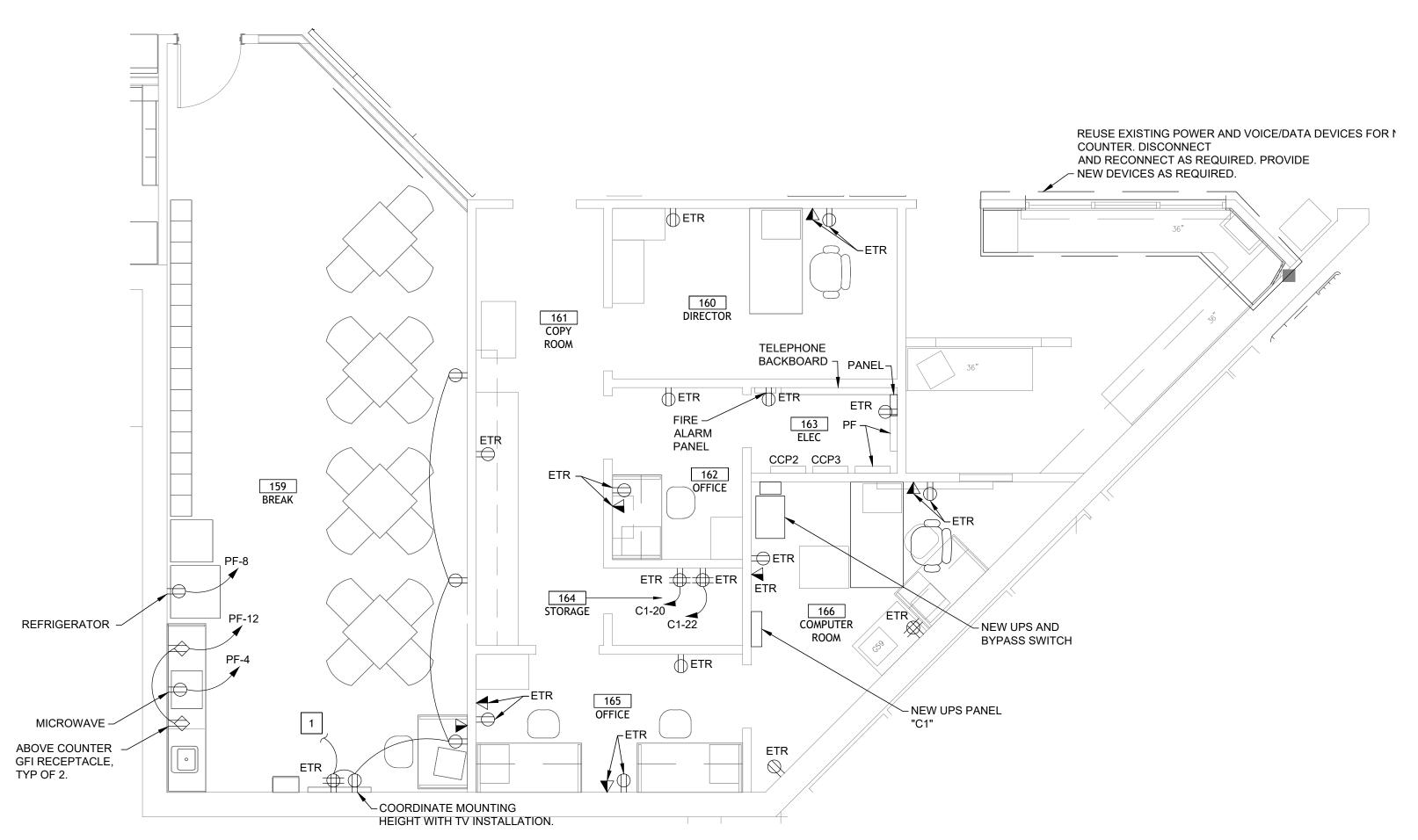
NDQ Sheet Date: 02-24-2024 Proj. Number: BGC.37948.RR

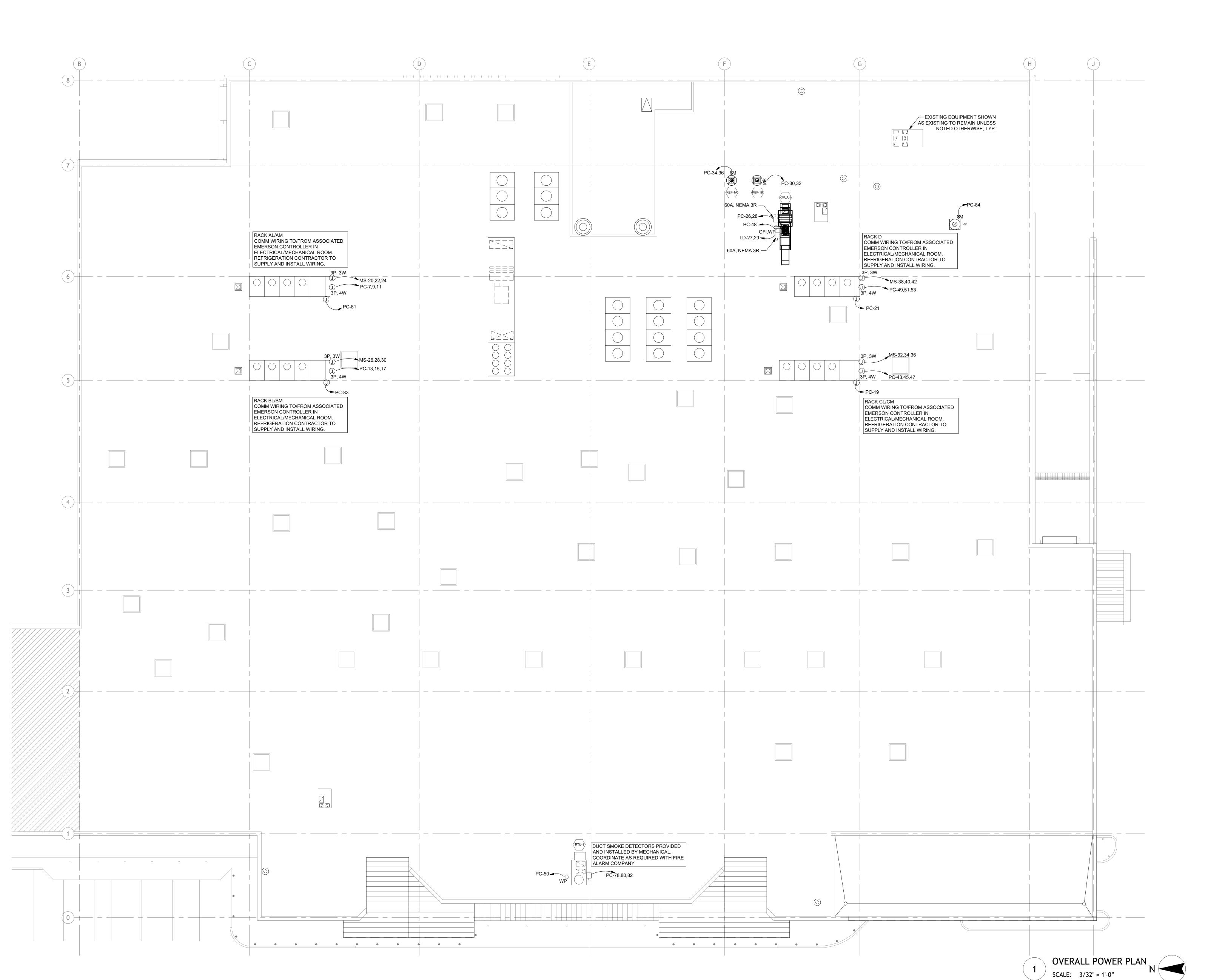
REFERENCE DETAIL #1 SHEET E2.0 FOR PANELBOARD LOCATIONS.













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Drawn: NDQ
Reviewed: JEG
Sheet Date: 02-24-2024
Proj. Number: BGC.37948.RR

BROOKSH Facility

430 E. Front St. Tyler, TX 75702 903-579-0500

> #902 AHLEQUAH, OK

ASOL'S MUSKOGEE AVE

ISSUED FOR PERMIT

2 0

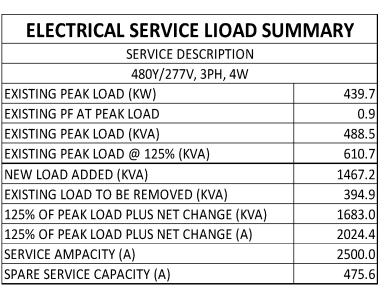
ISSUED FOR:

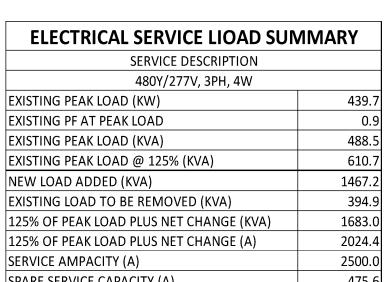
| PRELIMINARY
| REVIEW
| PERMIT
| BIDDING
| CONSTRUCTION

DATE
09/23
PROJECT NO.
4090200-0
STORE NO.

4090200-STORE NO 902

SHEET NO.
E3.0







111 3rd Avenue S Suite 400 612.547.1300 Minneapolis, MN 55401 www.core-states.com



NDQ Drawn: JEG 02-24-2024 Sheet Date: Proj. Number: BGC.37948.RR

GENERAL NOTES:

1. NEW OVERCURRENT PROTECTIVE DEVICES PLACE IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN

- SAID BOARD. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR EVERY EXISTING PANELBOARD AFFECTED BY THIS PROJECT. IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY AFFECTED PANELBOARD. PROVIDE THE DATE THAT THE SCHEDULE IS CREATED.
- 3. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE. 4. UPDATE ALL PANEL LABELS IN ALL PANELS. LABEL

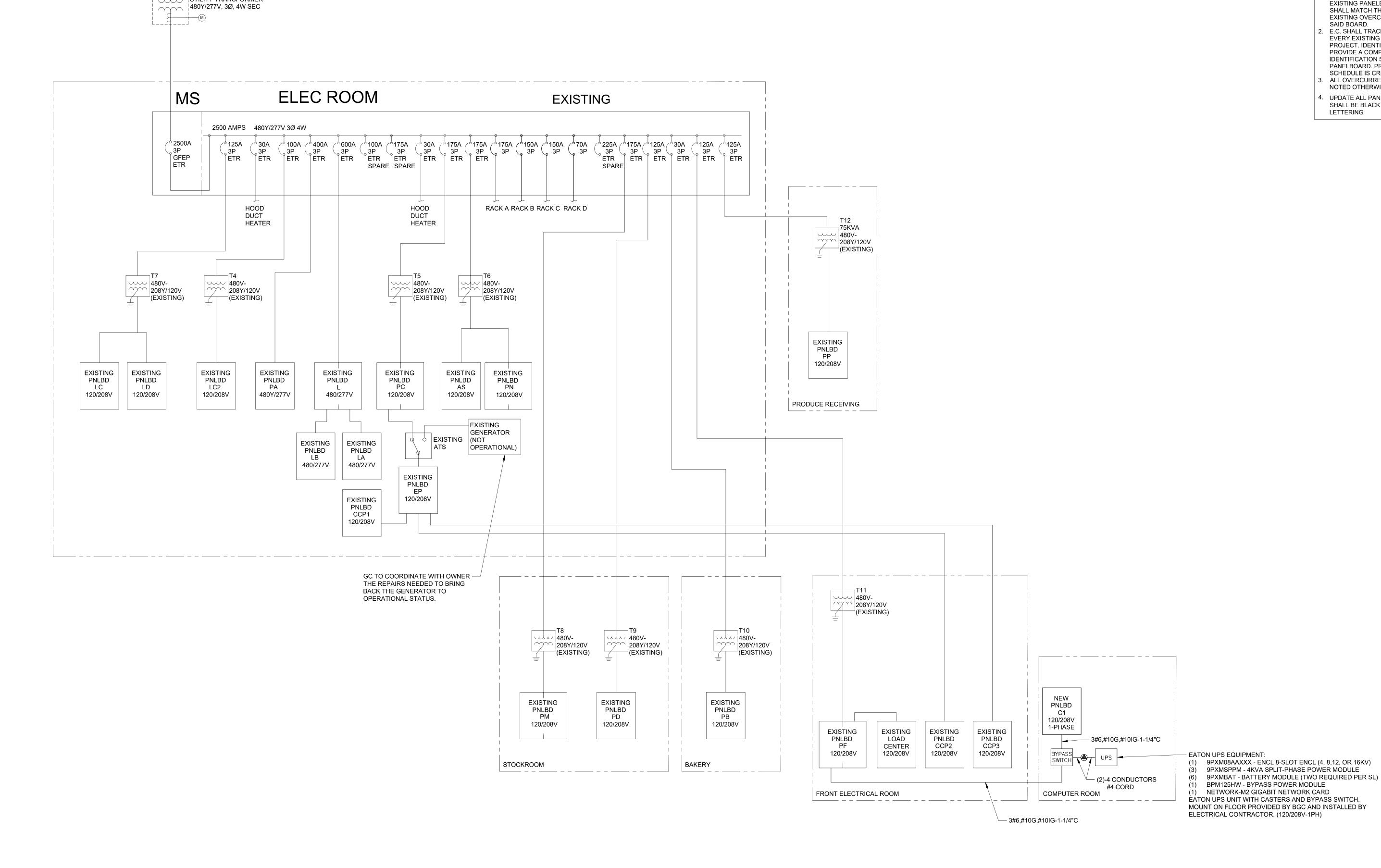
SHALL BE BLACK LABEL WITH RAISED WHITE LETTERING

430 E. Front St.

Tyler, TX 75702

903-579-0500

DATE 09/23
PROJECT NO.



- TEXISTING UTILITY TRANSFORMER

AIN SIZE/TYPE: 2500A MCB OLTS/PHASE: 480Y/277V, 3PH, 4W ERVES: BLDG OCATION: ELECTRICAL ROOM												EQUIPMENT GROUND	DUSCIE
ERVES: BLDG OCATION: ELECTRICAL ROOM													
OCATION: ELECTRICAL ROOM													
			МС	NI INITI	IN IO	01	IDEAO						
							JRFAC					<u> </u>	
DESCRIPTION	VA/PH		WIRE		Р	Р	BKR			VA/PHASE		DESCRIPTION	CKT
10.	A E	3 C	NO.	AMP			AMP	NO.	Α	В	С		NO
1 space	*		-	-	1	1	-	-				space	2
3 space 5 space	, , , , , , , , , , , , , , , , , , ,		-	-	1	1	-	-	•	•		space	6
5 space7 space			_	-	1	П		-	40,613			space	8
9 space	*	1	_	-	1	3	175	_	10,010	41,393		t-5/panel pc (13)	10
11	,	12,252				-			,		37,680		12
t-7/lc & ld (13)	9,828	*	-	125	3				26,712		,		14
15	, 9,6					3	175	-		26,664	•	t-6/pn & as (13)	16
17	1 157	4,157									26,676		18
hood duct heater (13)	4,157	57 '	-	30	3	3	175	2/0	39,000	39.000	•	RACK A	20 22
23	, , ,	01				٦	173	2/0		39,000	39,000	NAONA	24
25 t-4/lc2 (13)	*	*	_	100	3				35,000	,	,		26
27	,	•				3	150	1/0		35,000		RACK B	28
29	, , , , , , , , , , , , , , , , , , ,	78,980							•	•	35,000		30
panel pa (13)	78,980	,	-	400	3				30,700	,	•		32
33	1 87,2	294			_	3	150	1/0	· · · · · · · · · · · · · · · · · · ·	30,700	20.700	RACK C	34
35 space 37 space			-	-	1				11,750	,	30,700		36 38
39 space	1	1	_	-	1	3	70	4	11,730	11,750	•	RACK D	40
41 space	•		_	-	1		. •		•	1	11,750		42
43 space	•	•	-	-	1								44
space	•	,	-	-	1	3	225	_	•		•	spare (24)	46
47	62.042	39,943		000					00.475	,			48
9 panel I (13)	62,943		-	600	3	3	175		38,175	34,647		t-8/panel pm (13)	50 52
53		743				3	173		,	34,047	34,626	i-o/panerpin(13)	54
55 spare (24)	•	*	_	100	3				21,591	,	1,020		56
57	*	•				3	125	-	•	24,851	•	t-9/pd (13)	58
59	, ,								,	,	20,769		60
spare (24)	N.	*	-	175	3		00		20,485	10.054	,		62
63		4,157				3	30	-	3	16,354	14 505	t-10/pb (13)	64
65 hood duct heater (13)	4,157	4,137	_	30	3				17,904	,	14,505		66 68
69	1 4,1	57				3	125	-	11,001	17,304		t-11/pf (13)	70
71 space	•		-	-	1				3	,	10,440		72
73 space	•	*	-	-	1				13,746	1	1		74
75 space	·	*	-	-	1	3	125	-	*	14,206	,	t-12/pp (13)	76
77 space			-	-	1				*		14,706		78
SUBTOTAL	160,065 164,	223 159,489]						295,676	291,869	275,852	SUBTOTAL	
TOTAL PHASE A - VA 455,741	LOAD	CONN. V		DF		LO				CONN. VA			
AMPS 1645	COOLING	8,320		0			FRIGE		DN	452,136	1.00		
TOTAL PHASE B - VA 456,092 AMPS 1647	HEATING LIGHTING	21,684 13,152		1.00 1.25	-		N/DIS			22,911	1.25 1.00		
TOTAL PHASE C - VA 435,341	RECEPTACLE			1.23			STING			775,671	1.00		
AMPS 1572	MOTORS	7,164		1.00			RGE M		! }) = 1	1.25	TOTAL DEMAND	
TOTAL PNLBD - VA 1,347,174	SUPP HEAT			1.00	-		W WC		···		1.25	1,429,44	2 VA
AMPS 1620	MISC EQUIP	123,776		1.00		LT(3 TRA	CK			1.00	17	19 A

BUS	AMPS: 200A													EQUIPMENT GROUND	BUS ETR
MAIN	SIZE/TYPE: MLO														
	S/PHASE: 480Y/277V, 3PH, 4W														
	/ES: BLDG														
	ATION: ELECTRICAL ROOM				M	IOUNTI	ING	: SL	JRFAC	Έ					
CKT	DESCRIPTION		VA/PHASE	9	WIRE	BKR	Р	Р	BKR	WIRE	,	VA/PHASE	2	DESCRIPTION	СКТ
NO.	,	Α	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO.
1	Its check stands (13)	1,000	٠,	*	-	20	1	1	20		1,000	3	•	Its sales area (13)	2
3	Its check stands (13)		1,000	•	-	20	1	1	20	-	*	1,000	•	Its sales area (13)	4
5	Its check stands (13)		•	1,000	-	20	1	1	20	-	•		1,000	Its sales area (13)	6
7	Its produce sales (13)	1,000	,	٠,	-	20	1	1	20	-	1,000	,		Its sales area (13)	8
9	Its sales area (13)	,	1,000	•	-	20	1	1	20	-	,	1,000	•	Its sales area (13)	10
11	Its sales area (13)		•	1,000	-	20	1	1	20	-	•		1,000	Its sales area (13)	12
13	Its sales area (13)	1,000	•	*	-	20	1	1	20	-	1,000	,	,	Its sales area (13)	14
15	Its sales area (13)		1,000	•		20	1	1	20	-	•	1,000	•	Its sales area (13)	16
17	Its sales area (13)		•	1,000	-	20	1	1	20	-	,		1,000	Its sales area (13)	18
19	Its sales area (13)	1,000	,	*	-	20	1	1	20	1=	1,000	,	•	Its sales area (13)	20
21	Its sales area (13)	,	1,000		-	20	1	1	20	-	,	1,000	•	Its sales area (13)	22
23	Its sales area (13)		,	1,000	-	20	1	1	20			,		spare (24)	24
25	Its sales area (13)	1,000	•	*	-	20	1	1	20	-	200000000000000000000000000000000000000	,	•	spare (24)	26
27	spare (24)			•	-	20	1	1	20	-		1,000	,	Its sales area (13)	28
29	spare (24)		٠.		-	20	1	1	20	-	,	,	1,000	Its sales area (13)	30
31	spare (24)		•	•		20	1	1	20	-		,	,	spare (24)	32
33	Its meat sales (13)		1,000	•	-	20	1	1	20	-	•	300000000000000000000000000000000000000	•	spare (24)	34
35	spare (24)		•		-	20	1	1	20	1-1	•	,		spare (24)	36
37	spare (24)	800000000000000000000000000000000000000	•		-	20	1	1	20	-	2000002200000230000023000002	,	•	spare (24)	38
39	spare (24)			•	-	20	1	1	20	-	,		,	spare (24)	40
41	spare (24)		,		-	20	1	1	20	-	•	,		spare (24)	42
	SUBTOTAL	5,000	5,000	4,000							4,000	5,000	4,000	SUBTOTAL	
	TOTAL PHASE A - VA 9,000	LOAD		CONN. V	A	DF		LO	AD		(CONN. VA	DF		
	AMPS 32	COOLING	3			1.00	Ī	REI	FRIGE	RATIO	N		1.00		
	TOTAL PHASE B - VA 10,000	HEATING	}			0		SIG	N/DIS	PLAY			1.25		
	AMPS 36	LIGHTIN	G			1.25		KIT	CHEN				1.00		
	TOTAL PHASE C - VA 8,000	RECEPT	ACLES			1.0/.5		EXI	STING	}		27,000	1.00		
	AMPS 29	MOTORS	3			1.00		LAF	RGE N	OTOR			1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA 27,000	SUPP HE	AT			1.00		SH	OW W	INDOV	V		1.25	27,000	AV C
	AMPO	MICO	1115			4 00	- 1	1 -	- T-	017			4 00		20. 4

	AMPS 32	MISC EQ				1.00		G TRA		•		1.00	32 A	_
	<u> </u>													
				PANE	LBC	ARD	: P	N (E	EXIS	TING)				
BUS	AMPS: 400A					2 SE	CTIO	N					EQUIPMENT GROUND BU	JS E
	N SIZE/TYPE: 300A MCB													
	TS/PHASE: 208Y/120V, 3PH, 4W													
	VES: BLDG								_					
LOC	ATION: ELECTRICAL ROOM				M	IOUNTI	NG: S	SURFAC						
CKT	DESCRIPTION		VAVPHASE		WRE	110 11 111 111	PP		WRE	`	VAVPHASE		DESCRIPTION	C
NO.		Α	В	С	NO.	AMP		AMP	NO.	Α	В	С		N
1	AL-1 DT ISLAND EVAP, A/S	468	•	*	10	20	1 1	20	8	1,152		`	BM-2 MARKET PREP EVAP (1)	
3	AL-2 DT ISLAND EVAP, A/S	*	540	*	10	20	1 1	20	8	*	1,152	,	BM-2 MARKET PREP EVAP (2)	
5	AL-3 DT ISLAND EVAP, A/S	•		1,008	8	20	1 1	20	8			1,152	BM-2 MARKET PREP EVAP (3)	
7	BL-1 REACH-IN EVAP FANS	792	3	*	8	20	1 2	25	8	2,080	3.	•	CL-1 REACH-IN DEFROST	
9	BL-2 REACH-IN EVAP FANS	•	1,080	•	6	20	1			•	2,080	,		•
11	BL-3 REACH-IN EVAP FANS	•	•	1,080	6	20	1 2	25	8		•	2,080	CL-2 REACH-IN DEFROST	•
13	BL-4 REACH-IN EVAP FANS	1,080	•	*	6	20	1			2,080		١.		•
15	BL-5 REACH-IN EVAP FANS	•	720	*	8	20	1 1		12	٠	396	1	CL-3 DUAL TEMP EVAP/ A/S	
17	BL-1 REACH-IN ANTI SWEATS	,	`	2,268	4	25	1 1		12	,		396	CL-4 DUAL TEMP EVAP/ A/S	
19	BL-2 REACH-IN ANTI SWEATS	3,060	•	٠,	2	35	1 1	155	10	1,068	•	,	CM-3 MULTIDECK EVAP FANS	1
21	BL-3 REACH-IN ANTI SWEATS	,	3,060	•	1	35	1 1	20	10	*	1,068	•	CM-4 MULTIDECK EVAP FANS	1
23	BL-4 REACH-IN ANTI SWEATS	,	,	3,060	1	35	1			•	·	3,480	TT	
25	BL-5 REACH-IN ANTI SWEATS	2,040		١.	4	25	1 3	35	8	3,480	•	,	RACK C	
27	BL-1 REACH-IN DRAIN PAN HEAT	,	516	•	10	20	1			,	3,480	•		_ ;
29	BL-2 REACH-IN DRAIN PAN HEAT	,	,	696	8	20	1 1		H	•	· · · · · · · · · · · · · · · · · · ·		SPARE (19)	
31	BL-3 REACH-IN DRAIN PAN HEAT	696			8	20	1 1		-	*		<u>`</u>	SPARE (19)	1
33	BL-4 REACH-IN DRAIN PAN HEAT		696		8	20	1 1		12		180	400	CL-1 REACH-IN EVAP FANS	;
35	BL-5 REACH-IN DRAIN PAN HEAT	504	,	456	10	20	1 1	20	12	0.040	3	180	CL-2 REACH-IN EVAP FANS	;
37	AM-3 MULTIDECK EVAP FANS	504	768	,	12	20	1	45		6,840	0.040	,	DAOKE	L
39	AM-4 MULTIDECK EVAP FANS		/00		10	20	1 3	45	6		6,840	0.040	RACK D	4
41	SPARE (19)				-	20	1					6,840		4
43	TION: 2 CL-1 REACH-IN ANTI SWEAT	516	•	N .	12	20	1 1	20				,	SPARE (19)	1
45	CL-2 REACH-IN ANTI SWEAT	,	516		12	20	1 1		-				SPARE (19)	4
47	SPARE (19)	•	,		12	20	1 1		-	•	1	600	frozen lights, heat tp, htrs (13)	+
49	SPARE (19)			•	_	20	1 1		-			,	SPARE (19)	-
51	CM-1 REACH-IN EVAP FANS	,	396		12	20	1 1		_			•	SPARE (19)	
53	CM-2 REACH-IN EVAP FANS	•	•	324	12	20	1 1		_	•	•	600	frozen dr htrs, walk in frzr (13)	
55	SPARE (19)			•	-	20	1 1		_	600		,	frozen dr htrs, walk in frzr (13)	
57	freezer lights,heat,door htr (13)	*	600	•	_	20	1 1			,	600	,	frozen dr htrs, walk in frzr (13)	
59	SPARE (19)	*	•		-	20	1 1	20	12	*	•	288	AM-1 REACH-IN EVAP FANS	
61	CM-5 EVAP FANS & A/S	468	,	•	12	20	1 1		12	288	1		AM-2 REACH-IN EVAP FANS	
63	CM-6 EVAP FANS & A/S	•	528	١.	12	20	1 1		-			١.	SPARE (19)	
65	CM-8 EVAP FANS & A/S	•	•	396	12	20	1 1	_	-	•	•		SPARE (19)	
67	CM-9 REACH-IN EVAP FANS	864	,	•	8	20	1 1		_		1	•	SPARE (19)	
69	CM-10 REACH-IN EVAP FANS	,	864	,	8	20	1 1	1000	-1	,		,	spare (24)	1
71	CM-11 EVAP FANS & A/S	•	1	468	10	20	1 1	20		*	•	600	heat (13)	
73	CM-12 REACH-IN EVAP FANS	396	•	•	10	20	1 1	20	-1	600		•	heat (13)	1
75	CM-13 MULTI DECK EVAP FANS	•	864	,	8	20	1 1	20	-	•	600	١.	sys sausage pre (13)	1
77	CM-14 MULTI DECK EVAP FANS	•	,	864	8	20	1 1	20	-		,		spare (24)	- 5
79	spare (24)			•	-	20	1 1	20	H	600		,	conv recept floral (13)	-
81	space	•		¥.	-	-	1 1	-	-			١.	space	
83	space	•	1		-	-	1 1	-	-	٠	1		space	
	SUBTOTAL	10,884	11,148	10,620						18,788	16,396	16,216	SUBTOTAL	
	TOTAL PHASE A - VA 29,672	LOAD		CONN. V		DF	1.7	DAD			CONN. VA			
	AMPS 247	COOLING		8,320		0		EFRIGE	RATIC		50,736	1.00	-	
	TOTAL PHASE B - VA 27,544	HEATING		19,596		1.00	***************************************	GN/DIS		/1 N	30,730	1.00	-	
	AMPS 230	LIGHTING		10,000	1	1.25		TCHEN				1.00	-	
	TOTAL PHASE C - VA 26,836	RECEPT				1.0/.5		XISTING			5,400	1.00	-	
	AMPS 224	MOTORS				1.00		RGE M			2,	1.25	TOTAL DEMAND	7
	/ WII O ZZT	1.1.0	-					- 10		•				
	TOTAL PNLBD - VA 84,052	SUPP HE	AT			1.00	S	HOW W	MDOV	٧		1.25	75,732 V	Ά

			PANE	LBO	ARI	D:	PA	(E	XIS	TING)				
US	AMPS: 250A												EQUIPMENT GROUND BU	JS ETR
	SIZE/TYPE: MLO													
	S/PHASE: 480Y/277V, 3PH, 4W													
	/ES: BLDG ATION: ELECTRICAL ROOM			M	OUNT	INC	· CII	IDEAC	· E					
	DESCRIPTION	\/A/DLIACE	-	WIRE						Ι ,	VA/DUACE		DESCRIPTION	LOVI
KT NO.	DESCRIPTION	VA/PHASE A B	С	1 1	AMP			AMP	WIRE	Α	VA/PHASE B	С	DESCRIPTION	CKT NO.
		27,712	, ,	NO.	AIVIT			AIVIT	NO.			,		_
3	rtu-1 (13)	27,712	3		200	3	3	20		2,771	2,771	٠,	cu-3 (13)	4
5	114-1 (13)	• • •	27,712	-	200	١	5	20	-	*	2,111	2,771	cu-3 (13)	6
7		8,314	, , , , , , , , , , , , , , , , , , , ,							8,314		_,		8
	rtu-b (13)	8,314		-	60	3	3	60	_	4	8,314	4	rtu-d (13)	10
11		1	8,314							,	,	8,314		12
13		4,157	1							4,157	`	· · · · · · · · · · · · · · · · · · ·		14
	rtu-a (13)	4,157	4,157	-	30	3	3	30	-		4,157	010000000000000000000000000000000000000	ru-c (13)	16 18
17 19		4,157	4,137							4,157	•	4,157		20
	rtu-11 (13)	4,157	1	_	30	3	3	30	_	4,107	4,157		cu-1a (13)	22
23		1	4,157									4,157		24
25		2,771	,							2,771	1	`		26
	ef-9 (13)	` 2,771	1	-	20	3	3	20	-		2,771		ef-10 (13)	28
29		•	2,771							, , , , , , , , , , , , , , , , , , , ,	3	2,771		30
31 33	cpara (24)	•		_	60	3	3	20		2,771	2,771		cu-1b (13)	32 34
აა_ 35	spare (24)			-	60	3	3	20	-	······	2,111	2,771	cu-1b (13)	36
37		4,157								2,771	3	*		38
	cu-4 (13)	4,157	,	-	30	3	3	20	_		2,771	,	cu-2 (13)	40
41			4,157							,		2,771		42
	SUBTOTAL	51,268 51,268	51,268							27,712	27,712	27,712	SUBTOTAL	
	TOTAL PHASE A - VA 78,980	LOAD	CONN. V	Ά	DF		LOA	\D			CONN. VA	DF		
	AMPS 285	COOLING			1.00				RATIC	N		1.00		
	TOTAL PHASE B - VA 78,980	HEATING			0			N/DIS				1.25		
	AMPS 285	LIGHTING			1.25			CHEN			226 040	1.00 1.00		
	TOTAL PHASE C - VA 78,980 AMPS 285	RECEPTACLES MOTORS			1.0/.5 1.00	. L		STING	OTOR		236,940	1.00	TOTAL DEMAND	7
	TOTAL PNLBD - VA 236,940	SUPP HEAT			1.00		***************************************		INDOV		······································	1.25	236,940 V	'A
	AMPS 285	MISC EQUIP			1.00			TRA				1.00	285	_
	•	•								•	•			
			DANE	LDO	ADI	٠.		· /F	-VIC	TINION				
			PANE	LBU				100	:VI2	TING)				
	AMPS: 400A				2 SI	ECT	ION						EQUIPMENT GROUND BU	JS ETF
	SIZE/TYPE: 350A MCB													
	S/PHASE: 208Y/120V, 3PH, 4W /ES: BLDG													
	ATION: ELECTRICAL ROOM			M	IOUNT	ING	· SI	IRFAC	E					
OC/	DESCRIPTION	VA/PHASE			BKR						VA/PHASE		DESCRIPTION	СКТ
	DESCRIPTION	A B	С	-	AMP	F		AMP		A	B	С	DESCRIPTION	NO.
KT		3,603	· ·	,,,,,,	, avii			, avii			,	,		2
KT NO.				<u> </u>	60	3				•		*		4
KT 10.	trash compactor (13)	3.603			00	5		40.000 900		•	*			6
1 3	trash compactor (13)	3,603	3,603										(40)	D
00.	trash compactor (13)	7,325	3,603			\vdash	3	125	-		•	,	a.t.s (13)	8
0KT NO. 1 3 5 7	trash compactor (13) RACK A DEFROST	7,325		4	70	3	3	125	=	•	•	4	a.t.s (13)	8 10
1 3 5 7 9		7,325	3,603 , , 7,325	4	70	3	3	125	-	,	,		a.t.s (13)	8 10 12
1 3 5 7 9 11		7,325		4	70	3	3	125	-	3,002	•		a.t.s (13) receiving bar (13)	8 10

	TION: ELECTRICAL ROOM							SUF	/ 10						_
CKT	DESCRIPTION		VAVPHASE			BKR	Р			WRE		VA/PHASE		DESCRIPTION	(
VO.		A	В	С	NO.	AMP		P	AMP	NO.	Α	В	С	900	ļ
1		3,603	•	`								,			L
	trash compactor (13)		3,603	,	-	60	3				,		,		L
5		,	,	3,603				3	125	_	•	,		a.t.s (13)	L
7		7,325	,									,	· · · · · · · · · · · · · · · · · · ·		
	RACK A DEFROST	,	7,325	, ,	4	70	3				``		•		L
11				7,325											4
13		7,325	7.005								3,002	1			_
	RACK B DEFROST		7,325	7,005	4	70	3	3	50	-		3,002	•	receiving bar (13)	-
17				7,325			_					•	3,002		4
_	RACK C 120V POWER	1,920	1 000	`	6	20	1		20	-	600	,		fan unit heater (13)	4
	RACK D 120V POWER	,	1,920		6	20	1		20	-		600	,	pallet jack charger (13)	4
	receiving conv recp (13)		,	360	-	20	1	1	20	-	0.450	•	600	pallet jack charger (13)	4
	fan unit heater (13)	600			-	20	1	2	35	8	2,150		,	KMUA-1	ŀ
	receiving conv recp (13)		360		-	20	1					2,150			\dashv
	dsd office conv recp (13)			360	-	20	1	2	20	12			541	KEF-1A	-
	fan unit heater (13)	600	360	,	H	20	1				541				4
	delivery bell sausage cooler (13)		300		-	20	1	2	20	12		541	F44	KEF-1B	ŀ
	receiving dock light (13)			360	-	20	1				0.000		541		4
	produce rec dock lights (13)	360			-	20	1		00		3,603	0.000			ŀ
	outside recept on light pole (13)		360		-	20	1	3	60	-		3,603		trash compactor (13)	-
	outside recept on light pole (13)			360	-	20	1						3,603		
_	TON: 2	1,664	,				_	4	00		000		*		\neg
13	BATTTERY CHARGER	1,004	1,664	,	12	20	2		20	-	360	200		mezzanine conv recept (13)	+
45			1,004							- 40	,	360	100	mezzanine conv recept (13)	\dashv
47	SPARE					20	2		20	12		•	180	ROOFTOP GFCI WP RECEPT	\dashv
49		,		ļ,			\dashv	1	20	12	180			ROOFTOP GFCI WP RECEPT	\dashv
51	SPARE	4			-	20	2	2	30	-				spare (24)	-
53				,			\dashv	1	30		600	,		wellsia ataakar (13)	4
55 57	SPARE				-	20	2	_	30	-	,	600		walkie stacker (13) walkie stacker (13)	+
	ef-1 (13)	,		600		20	1		20	-	٠,	,	600		\dashv
_		360		,	-		1		20	•	260	,	000	ef-2 (13)	+
	roof hvac recept (13)	300	600		-	20	-			-	360			roof hvac recept (13)	+
	ef-7 (13) muf-1 (13)		,	600	-	20	1	_	20	-		,	600	spare (24)	\dashv
	ef-8 (13)	600		,	-	20	1		20		360	•	000	receiving delivery bell (13)	\dashv
		,	600	,	-	20	1		20	-	300	600		receiving outdoor recept (13) olive bar (13)	+
	muf-2 (13) fan unit heater (13)	, , , , , , , , , , , , , , , , , , , ,	,	600	-	20	1	_	20	-	3	,	600	disconnect on roof (13)	+
		600	,	,	-	20	1		20		600	٠	,	condenser (13)	+
	hot water circ pump (13)	,	600	,	-	20	1		20	-	,	600	•	condenser (13)	\dashv
	sump pump (13) salad bar rtu (13)	,	,	600	_	20	1	1	20		,	,	2,700	condenser (10)	\dashv
	salad bar (13)	600	,	,	_	20	1	3	40	6	2,700	•	2,700	RTU-1	ŀ
	RACK A 120V POWER	,	1,920	,	6	20	1	٦	40	J	2,700	2,700	,		ŀ
	RACK B 120V POWER		1,020	1,920	6	20	1	1	12	20	4	2,100	700	TO EF-1	+
,,,		05.557	00 007			20		'	12	20	45.050	44.750			=
	SUBTOTAL	25,557	26,637	24,013							15,056	14,756	13,667	SUBTOTAL	_
	TOTAL PHASE A - VA 40,613	LOAD		CONN. V	A	DF	_ E	LOA				CONN. VA	DF		
	AMPS 338	COOLING				1.00	ļ			RATIC)N	52,050	1.00		
	TOTAL PHASE B - VA 41,393	HEATING				0				PLAY			1.25		
	AMPS 345	LIGHTING				1.25			HEN			40	1.00		
	TOTAL PHASE C - VA 37,680	RECEPT		8,040		1.0/.5			TING			49,104	1.00		_
	AMPS 314	MOTORS		7,164		1.00				OTOF			1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA 119,686	SUPP HE				1.00 1.00			W W	INDO	/V		1.25 1.00	119,686 V	
	AMPS 332		I IID	3,328											

			PANE	ELB	OAR	D:	L	(E	XIST	ING)				
BUS	AMPS: 600A				2	2 SE	ECT	ION					EQUIPMENT GROUND B	US ETF
/IAIN	I SIZE/TYPE: MLO													
	ΓS/PHASE: 480Y/277V, 3PH, 4W													
	VES: BLDG								_					
	ATION: ELECTRICAL ROOM	_			IOUNT									
CKT	DESCRIPTION	VA/PHASE		WRE		Р	Р	BKR	-		VA/PHASE		DESCRIPTION	CK
NO.		A B	С	NO.	AMP			AMP	NO.	Α	В	С		NC
1		7,000	1							9,000	•	٠,		2
3	panel "la"	9,000	•	-	200	3	3	200	_		10,000	•	panel "lb"	4
5			8,000							•	*	8,000	18	6
7								00		4,157	4 4 5 7			8
9	2004 sub-food live						3	30	-		4,157		existing load (13)	10
11 13	800A sub-feed lug	1								4,157	ų	4,157		12
15	-	*	1				3	30		4,137	4,157	٠,	existing load (13)	16
17	-							00			4,107	4,157	existing load (10)	18
19		4,157					1	20	_	2,770		,	existing load (13)	20
21	north parking lot lights (13)	4,157	•	_	30	3	1	20	-	•	2,770	•	existing load (13)	22
23			4,157				1	20	-	•		2,770	existing load (13)	24
25	existing load (13)	2,770	•	-	20	1	1	20	-	2,770	٠.	•	existing load (13)	26
27	existing load (13)	2,770	,	-	20	1	1	20	-		2,770	*	existing load (13)	28
29	existing load (13)	, ,	2,770	-	20	1	1	20	-	,	•	2,770	existing load (13)	30
31	existing load (13)	2,770		-	20	1	1	20	-	2,770	*	•	existing load (13)	32
33	existing load (13)	2,770	,	-	20	1	1	20	-		2,770	,	existing load (13)	34
35	existing load (13)		2,770	-	20	1	1	20	-		1	2,770	existing load (13)	36
37	existing load (13)	2,770 2,770	ļ <u>.</u>	-	20	1	1	20	-	2,770		*	existing load (13)	38
39	existing load (13)	2,770	2,770	-	20	1	1	20	-	,	2,770		existing load (13)	40
	existing load (13)		2,110	-	20	1	1	20	-			2,770	existing load (13)	42
43	lion. 2	2,771	1				1	20	_	2,770	*	*	Its receiving (13)	44
45	lc4 (13)	2,771	•	_	20	3	1	20	_	2,770	2,770	•	Its dairy cooler (13)	46
47	10.00		2,771				1	20	-	•	-,	2,770	Its meat cooler (13)	48
49	contactor la control (13)	1,000		-	20	1	1	20	-	2,770	· · · · · · · · · · · · · · · · · · ·	•	spare (24)	50
51	contactor lb control (13)	1,000	,	-	20	1	1	20	_		2,770	•	Its mezzanine (13)	52
53	spare (24)			-	20	1	1	20	_	•	•	2,770	Its receiving (13)	54
55	spare (24)	1		-	20	1				2,771	*	•		56
57	spare (24)	•		-	20	1	3	20	_		2,771	•	lc3 (13)	58
59	spare (24)			-	20	1					•	2,771	101	60
61		3	•				_				*	,		62
63	spare (24)			-	30	3	3	100	-			•	spare (24)	64
65	(24)				20	4	4	20		1	į.		(24)	66
	spare (24)	<u> </u>	ļ	-	20	1	1	20	-	•		*	spare (24)	68 70
	spare (24) spare (24)			-	20	1	1	20	-		,		spare (24) spare (24)	72
73	space	1		_	-	1	1	-	-				space (24)	74
75	space	*	,	_	-	1	1	-	<u>-</u>	•		•	space	76
77	space			_	_	1	1	_	_		•		space	78
79	space		•	-	-	1	1	-	=		•		space	80
81	space	*	,	-	-	1	1	-	-	,		*	space	82
83	space			-	-	1	1	-	-		*		space	84
	SUBTOTAL	23,238 25,238	23,238							36,705	37,705	35,705	SUBTOTAL	
	TOTAL PHASE A - VA 59,943	LOAD	CONN. V	<u>'</u> A	DF		LO	AD	<u></u>		CONN. VA			
	AMPS 216	COOLING	JOININ. V.	, \	1.00				RATIO		JOININ. VA	1.00	=	
	TOTAL PHASE B - VA 62,943	HEATING			0			N/DIS		•••		1.25		
	AMPS 227	LIGHTING			1.25	1		CHEN				1.00	***	
	TOTAL PHASE C - VA 58,943	RECEPTACLES			1.0/.5			ISTING			187,369	1.00		
	AMPS 213	MOTORS	1		1.00				OTOR			1.25	TOTAL DEMAND	

1.00 LARGE MOTOR
1.00 SHOW WNDOW
1.00 LTG TRACK

TOTAL DEMAND

AMPS 213 MOTORS
TOTAL PNLBD - VA 181,829 SUPP HEAT
AMPS 219 MISC EQUIP

			PAN	ELBO	DARE):	LA	A (E	XIS	TING)			
2	BUS	AMPS: 200A										EQUIPMENT GROUND B	US ETR
	MAIN	SIZE/TYPE: MLO											
		S/PHASE: 480Y/277V, 3PH, 4W											
		VES: BLDG											
		ATION: ELECTRICAL ROOM		N	10UNT	ING	: Sl	JRFAC	Έ				
Ħ	CKT	DESCRIPTION	VA/PHASE	WRE		Р				VAPH	HASE	DESCRIPTION	СКТ
1	NO.	Descriii men	A B C	NO.	AMP	•		AMP	NO.		3 C		NO.
╡		HI (42)				4	4				, ,		
4		Its sales area (13)	1,000	-	20	1	1	20	-	1,000	00 '	Its vestibule (13)	2
		Its sales area (13)	1,000	-	20	1	1	20	-	` 1,0	00	Its vesitbule hall (13)	4
4		Its sales area (13)	1,000		20	1	1	20	-		1,000	Its vestibule (13)	6
		Its sales area (13)	1,000	_	20	1	1	20	-	1,000		Its sales (13)	8
		Its sales area (13)	1,000	-	20	1	1	20	-	1,0		Its check stands (13)	10
		Its sales area (13)	1,000	8888	20	1	1	20	-	, ,	1,000	Its check stands (13)	12
	10.0000	spare (24)	1 200	-	20	1	1	20	-	1,000		Its sales area (13)	14
		Its sales area (13)	1,000	-	20	1	1	20	-	1,0		Its sales area (13)	16
Ш		Its sales area (13)	1,000	-	20	1	1	20	-		1,000	Its sales area (13)	18
		Its sales area (13)	1,000	-	20	1	1	20	-	1,000		Its sales area (13)	20
		Its sales area (13)	1,000	-	20	1	1	20	-	1,0	0100000110000011000001100	Its sales area (13)	22
	23	lts sales area (13)	1,000	_	20	1	1	20	-	, ,	1,000	Its sales area (13)	24
	25	spare (24)	, ,		20	1	1	20	E	•	*	spare (24)	26
	27	lts sales area (13)	1,000	-	20	1	1	20	-	•	4	spare (24)	28
	29	spare (24)	, ,	-	20	1	1	20	I	•		spare (24)	30
П	31	spare (24)	•	-	20	1	1	20	-	•		spare (24)	32
	33	spare (24)	•	-	20	1	1	20	-	•	•	spare (24)	34
	35	spare (24)	,	-	20	1	1	20	-	1		spare (24)	36
	37	space	,	-	-	1	1	1	-	1	•	space	38
	39	space	,	-	-	1	1	-	-	•	4	space	40
	41	space	•	-	-	1	1	-		1		space	42
		SUBTOTAL	3,000 5,000 4,000							4,000 4,0	00 4,000	SUBTOTAL	
7		TOTAL PHASE A - VA 7,000	LOAD CONN.	VA	DF		LO	AD		CONN	I. VA DF		
		AMPS 25	COOLING		1.00		RE	FRIGE	RATIC	N	1.00		
		TOTAL PHASE B - VA 9,000	HEATING		0		SIG	N/DIS	PLAY		1.25		
		AMPS 32	LIGHTING		1.25		KIT	CHEN			1.00		
		TOTAL PHASE C - VA 8,000	RECEPTACLES		1.0/.5		EXI	ISTING	;	24,00	00 1.00		
		AMPS 29	MOTORS		1.00		LAF	RGE M	OTOF		1.25	TOTAL DEMAND	
		TOTAL PNLBD - VA 24,000	SUPP HEAT		1.00		SH	OW W	INDO	٧	1.25	24,000	VA
		AMPS 29	MISC EQUIP		1.00		LT(G TRA	CK		1.00	29	A

DUO ANADO OCCA		PANELI	BOARD:	LC2	2 (E)	KIS	TING)		FOUNDMENT OR OUND	DUO ETI
BUS AMPS: 200A MAIN SIZE/TYPE: 200A MCB VOLTS/PHASE: 208Y/120V, 3PH, 4W									EQUIPMENT GROUND	BUSEI
SERVES: BLDG										
LOCATION: ELECTRICAL ROOM			MOUNTIN	G: SUI	RFACE					
CKT DESCRIPTION	VA/PHASI	<u> </u>	/IRE BKR F	P	BKR W	IRE	VA/PHASE		DESCRIPTION	CK
NO.	A B	C 1	NO. AMP	1	AMP N	O.	A B	С		NC
1 SPARE (19)		,	- 20 1	1	20	-	4	,	SPARE (19)	2
3 SPARE (19)	*	, , , , , , , , , , , , , , , , , , , ,	- 20 1		20	_	1	· · · · · · · · · · · · · · · · · · ·	SPARE (19)	4
5 SPARE (19)	,		- 20 1	1	20	_	•		SPARE (19)	6
7 SPARE (19)	•	1	- 20 1	1	20	-	,		SPARE (19)	8
9 SPARE (19)	,	· · · · · · · · · · · · · · · · · · ·	- 20 1		20	-	•	5	SPARE (19)	10
11 SPARE (19)	3		- 20 1	1	20	-	3 3		SPARE (19)	12
13 SPARE (19)			- 20 1	1	20	_	,	,	SPARE (19)	14
15 SPARE (19)	*		- 20 1	1	20	-		*	SPARE (19)	16
17 SPARE (19)	3		- 20 1	1	20	-	4	100000000000000000000000000000000000000	SPARE (19)	18
19 SPARE (19)	1	,	- 20 1	1	20	-	•		SPARE (19)	20
21 SPARE (19)	,	,	- 20 1	1	20	_		,	SPARE (19)	22
23 SPARE (19)	1		- 20 1	1	20	-	1	000000000000000000000000000000000000000	SPARE (19)	24
25 SPARE (19)			- 20 1	1	20	-			SPARE (19)	26
27 SPARE (19)	*	,	- 20 1	1	20	_	1	······	SPARE (19)	28
29 SPARE (19)	,		- 20 1	1	20	_	•	000000000000000000000000000000000000000	SPARE (19)	30
31 SPARE (19)			- 20 1	1	20	-	,		SPARE (19)	32
33 SPARE (19)	8		- 20 1	1	20	-	1	· ·	SPARE (19)	34
35 SPARE (19)	3		- 20 1	1	20	-	*		SPARE (19)	36
37 SPARE (19)	1	,	- 20 1	1	20	-	,	•	SPARE (19)	38
39 SPARE (19)	,		- 20 1	1	20	_		,	SPARE (19)	40
41 SPACE			1	1	1-1	_	*		SPACE	42
SUBTOTAL									SUBTOTAL	·
TOTAL PHASE A - VA	LOAD	CONN. VA	DF	LOA	D		CONN. VA	DF		
AMPS	COOLING		1.00	REF	RIGERA	OIT	١	1.00		
TOTAL PHASE B - VA	HEATING		0	SIGN	V/DISPL	AY		1.25	·	
AMPS	LIGHTING		1.25	KITC	CHEN			1.00		
TOTAL PHASE C - VA	RECEPTACLES		1.0/.5	EXIS	STING			1.00	<u>"</u>	
AMPS	MOTORS		1.00	LAR	GE MOT	OR		1.25	TOTAL DEMAND	
TOTAL PNLBD - VA	SUPP HEAT		1.00		W WINE		1	1.25		
AMPS	MISC EQUIP		1.00	LTG	TRACK			1.00		

					PANE	LBC	DARE): <i>/</i>	AS	S (E	EXIS	TING)				
BUS AMPS:	200A								-	\-	-,	,			EQUIPMENT GROUND E	RUS ETR
	YPE: 100A MCB														Eggii MENT GROOND E	SOO ETT
	SE: 208Y/120V, 3	PH 4W														
SERVES: BL		4 TI, TVV														
	ELECTRICAL RO	OM				N.	OUNT	NG.	· SI	IRFAC	F					
CKT	DESCRIPTIO		1	VA/PHASI	_		BKR				WIRE	,	VA/PHASE		DESCRIPTION	СКТ
NO.	DESCRIPTIO	IN.		B	C	NO.	AMP		Г	AMP	NO.		В	С	DESCRIPTION	NO.
			Α	D		NO.	_	_			NO.	Α	<u> </u>			
1 SPARE	, ,			,	<u> </u>	-	20	1	1	20	-	•	1	1	SPARE (19)	2
3 SPARE	, , , , ,		*		•	-	20	1	1	20	-			•	SPARE (19)	4
5 SPARE	. ,		•			-	20	1	1	20	-	•			SPARE (19)	6
7 SPARE				,		-	20	1	1	20	-	,	,		SPARE (19)	8
9 SPARE	· /				,	-	20	1	1	20	-		1	,	SPARE (19)	10
11 SPARE	, ,		*			-	20	1	1	20	-	•		•	SPARE (19)	12
13 SPARE	` '			,	,	-	20	1	1	20	-		1		SPARE (19)	14
15 SPARE	` '				,	-	20	1	1	20	-			•	SPARE (19)	16
17 SPARE	, ,		1	•		_	20	1	1	20	-		3		SPARE (19)	18
19 SPARE	· /			1	`	-	20	1	1	20	1=	600	1	•	new bakery (13)	20
21 SPARE	E (19)		•		*	-	20	1	1	20	-	•	600	•	south cake case (13)	22
23 tanks (13)		*	1	600	-	20	1	1	20	-	•		600	new bakery (13)	24
25 spare (annessannessannessannessa	,	1	-	20	1	1	20	-	600	,	•	south cake case (13)	26
27 spare (,	-	20	1	1	20	-	`	600	*	service meat sys 2-5 (13)	28
29 DSD R	ECEPTACLES			,	720	12	20	1	1	20	-	•	1		spare (24)	30
	SUBTOTAL				1,320							1,200	1,200	600	SUBTOTAL	
TOTA	L PHASE A - VA	1,200	LOAD		CONN. V	A	DF		LO	AD		C	CONN. VA	DF		
	AMPS	10	COOLING				1.00				RATIC	N		1.00		
TOTAL	L PHASE B - VA	1,200	HEATING	}			0		SIG	N/DIS	PLAY			1.25		
	AMPS	10	LIGHTING	G			1.25		KIT	CHEN				1.00		
TOTAL	L PHASE C - VA	1,920	RECEPT	ACLES	720		1.0/.5		EXI	STINC	}		3,600	1.00		
	AMPS	16	MOTORS	3			1.00		LAF	RGE N	IOTOR			1.25	TOTAL DEMAND	
TOT	AL PNLBD - VA	4,320	SUPP HE	EAT			1.00		SH	OW W	INDOV	V		1.25	4,320	VA
	AMPS	12	MISC EQ	UIP			1.00		LT(G TRA	CK			1.00	1	2 A

				PANE	LBC	DARI	D:	PF) (E	EXIS	TING)				
BUS	AMPS: 200A													EQUIPMENT GROUND E	BUS ETF
1AIN	SIZE/TYPE: 200A MCB														
	rs/PHASE: 208Y/120V, 3PH, 4W														
	VES: BLDG														
OC/	ATION: PRODUCE RECEIVING				M	OUNTI	NG:	RE	CESS	ED					
KT	DESCRIPTION		VA/PHASE		WIRE	BKR	Р	Р	BKR	WIRE		VA/PHASE		DESCRIPTION	СК
10.	000000000000000000000000000000000000000	Α	В	С	NO.	AMP		17	AMP	NO.	A	В	С		NO
1	gondola recepts (13)	360	١.		-	20	1	1	20	-	360	,		gondola recepts (13)	2
3	gondola recepts (13)	•	360	•	-	20	1	1	20	-		360	,	gondola recepts (13)	4
5	gondola recepts (13)	,	•	360	-	20	1	1	20	-	,	*	360	gondola recepts (13)	6
7	gondola recepts (13)	360	•		-	20	1	1	20	-	360	,		gondola recepts (13)	8
9	gondola recepts (13)	1	360	,	-	20	1	1	20	-	•	360	,	gondola recepts (13)	10
1	gondola recepts (13)		1	360		20	1	1	20	-		,	360	gondola recepts (13)	12
3	gondola recepts (13)	360	•	•	-	20	1	1	20	-	360			gondola recepts (13)	14
5	gondola recepts (13)	•	360		-	20	1	1	20	-		360	•	gondola recepts (13)	16
7	gondola recepts (13)	•	,	360	-	20	1	1	20	-	,	•	360	gondola recepts (13)	18
9	ceiling fans (13)	360	١,	•	-	20	1	1	20	-	360	,	•	gondola recepts (13)	20
1	delivery bell (13)	1	180	١,	I -	20	1	1	20	-	,		`	SPACE	22
3	G36C JUICER (19)	•	,	1,080	12	20	1	1	20	-	١.	,		SPACE	24
5	conv recept (13)	360	•	,	-	20	1	1	-	-		•		SHUNT TRIP	26
	conv recept (13)	•	360	*	-	20	1				•	7,445			28
9	conv recept (13)	1	٠.	360	-	20	1	3	80	4	•	,	7,445	D05.1 FRYER AUTOLIFT	30
1	conv recept (13)	360	1	•	-	20	1				7,445	,	•		32
3	conv recept (13)	•	360	`	-	20	1				, , , , , , , , , , , , , , , , , , ,	2,341			34
5	gondola recepts (13)		3	360	-	20	1	3	30	-		,	2,341	disposal (13)	36
7	gondola recepts (13)	360			-	20	1				2,341				38
9	gondola recepts (13)	1	360	,	-	20	1	1	30	-	,	1,000		wrapper (13)	40
1	gondola recepts (13)			360		20	1	1	20	-			600	wrapper (13)	42
	SUBTOTAL	2,520	2,340	3,240]						11,226	11,866	11,466	SUBTOTAL	
	TOTAL PHASE A - VA 13,746	LOAD		CONN. V.	A	DF	4 1	LO				CONN. VA	DF	_	
	AMPS 115	COOLING				1.00	1 1			RATIC	N		1.00		
	TOTAL PHASE B - VA 14,206	HEATING				0			SN/DIS				1.25	_	
	AMPS 118	LIGHTIN				1.25	J		CHEN				1.00		
	TOTAL PHASE C - VA 14,706	RECEPT				1.0/.5			ISTING			19,243	1.00		
	AMPS 123	MOTORS				1.00				1OTOR			1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA 42,658	SUPP HE				1.00				/INDOV	٧		1.25	42,658	_
	AMPS 118	MISC EQ	UIP	23,415		1.00		LT(G TRA	CK			1.00	11	18 A





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NDQ Drawn: JEG Sheet Date: 02-24-2024 Proj. Number: BGC.37948.RR

PANELBOARD NOTES ()

- 1. TERMINATE GROUND ON ISOLATED GROUND BUS.
- 2. INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER.
- 3. INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL
- 4. GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
- 5. GFI BREAKER FOR EQUIPMENT PROTECTION (30MA). 6. CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING
- CONDUCTOR PROPORTIONATELY PER NEC. . REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT
- CURRENT FOR INTERRUPT RATINGS.
- 8. REFER TO ONE-LINE DIAGRAMS FOR WIRE SIZES. 9. FACTORY WIRED TO LOAD.

LOAD SERVED.

- 10. BREAKER SHALL BE HIGH MAGNETIC TYPE.
- 11. BREAKER REMOVAL FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO EXISTING LOAD, REMOVE CIRCUIT BREAKER AND PROVIDE FILLER PLATE. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR INDICATE
- 12. DUAL TAP REMOTELY OPERATED BREAKER. CONNECT EMERGENCY/NIGHT LIGHTING TO UNSWITCHED TERMINATION.
- 13. EXISTING CIRCUIT AND/OR CIRCUIT BREAKER.
- 14. ROUTE CIRCUIT THROUGH CONTACTOR.
- 15. PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD ANSUL SYSTEM.
- 16. RELOCATED CIRCUIT FROM EXISTING PANELBOARD.
- 17. PROVIDE BLANK CIRCUIT BREAKER FILLER PLATE FOR EXPOSED SPACE IN PANELBOARD.
- 18. PROVIDE U.L. LISTED OVERCURRENT DEVICE TO COORDINATE AND MAINTAIN MANUFACTURER'S SERIES RATED SYSTEM.
- 19. EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.
- 20. ROUTE CIRCUIT THROUGH EXISTING LCU CABINET UTILIZING EXISTING RELAY AND CONTROLS. UPDATE LCU IDENTIFICATION SCHEDULE WITH LOAD IDENTIFICATION.
- 21. REMOTELY OPERATED CIRCUIT BREAKER. REFER TO BUILDING AUTOMATION SYSTEM PLANS FOR CIRCUIT BREAKER CONTROL.
- 22. EXISTING LOAD TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (11).
- 23. ROUTE CIRCUIT THROUGH ENCLOSED GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
- 24. SPARE FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO EXISTING LOAD, PROVIDE LOCK OFF DEVICE TO LOCK SPARE BREAKER IN THE OFF POSITION. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPARE" OR INDICATE LOAD SERVED.
- 25. EXISTING LOAD TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (24).
- 26. SUBMETERED LOAD INSTALL CT'S AND ROUTE LEADS TO POWER METER INDICATED IN SUBMETER SCHEDULE. FINAL TERMINATIONS AT METER AND COMMISSIONING BY OTHERS.

GENERAL NOTES:

1. NEW OVERCURRENT PROTECTIVE DEVICES PLACE IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN

SAID BOARD. 2. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR EVERY EXISTING PANELBOARD AFFECTED BY THIS PROJECT. IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY AFFECTED PANELBOARD. PROVIDE THE DATE THAT THE SCHEDULE IS CREATED. 3. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.

PANELBOARD GENERAL NOTES

- 1. NEW OVERCURRENT PROTECTIVE DEVICES PLACE IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN SAID BOARD.
- 2. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR EVERY EXISTING PANELBOARD AFFECTED BY THIS PROJECT. IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN CIRCUIT INDENTIFICATION SCHEDULE FOR EVERY AFFECTED PANELBOARD. PROVIDE THE DATE THAT THE SCHEDULE IS CREATED.
- 3. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.
- 4. EXISTING LOADS ARE INDICATED IN LOWERCASE TEXT. NEW OR MODIFIED LOADS ARE INDICATED IN UPPERCASE TEXT.



430 E. Front St. **Tyler, TX 75702** 903-579-0500

Rea

DATE 09/23 PROJECT NO.

			PANELE	BOARI): L	.C (EXIS	STING)						
MAIN	AMPS: 200A N SIZE/TYPE: 175A MCB TS/PHASE: 208Y/120V, 3PH, 4W								EQUIPMENT GROUND B	US ETR	The second secon	00A YPE: 100A MCB SE: 208Y/120V, 3PH, 4W	
SER	VES: BLDG ATION: ELECTRICAL ROOM			MOUNT	ING:	SURFACE					SERVES: BLD		
CKT NO.	DESCRIPTION	VA/PHA A B	SE WIF		Р	P BKR WIRE	VA/PHA A B	SE C	DESCRIPTION	CKT NO.	CKT NO.	DESCRIPTION	-
C 3	AM-1 REACH-IN LIGHTS AM-2 REACH-IN LIGHTS	384 384	12		1	1 20 10 1 20 12	300 300 288		CM-5 LIGHTS CM-6 LIGHTS	2 VD,C 4 C	1 bldg sign3 bldg sign		
'D,C 7	AM-3 MULTIDECK LIGHTS AM-4 MULTIDECK LIGHTS SPARE (19)	1,368	1,596 8		1	1 20 12 1 20 10 1 20 10	516	336	CM-8 LIGHTS CM-9 REACH-IN LIGHTS CM-10 REACH-IN LIGHTS	6 C 8 VD,C 10 VD,C	5 bldg sig7 bldg sig9 bldg sig	n (13)	
11	SPARE (19) SPARE (19) BL-1 REACH-IN LIGHTS	816	. 8	20	1	1 20 10 1 20 10 1 20 10	528	396	CM-10 REACH-IN LIGHTS CM-11 LIGHTS CM-12 REACH-IN LIGHTS	10 VD,C 12 VD,C 14 VD,C	11 bldg sig		
/D,C 17	BL-2 REACH-IN LIGHTS BL-3 REACH-IN LIGHTS	1,044	1,044 6	20	1	1 20 12 1 20 12	372	372	CM-13 MULTIDECK LIGHTS CM-14 MULTIDECK LIGHTS	16 C 18 C	17 mailman	t pharmacy video (13) t pharmacy video (13)	
/D,C 21	BL-4 REACH-IN LIGHTS BL-5 REACH-IN LIGHTS	1,044) 6) 8 96 1:	3 20	1	1 20 -			SPARE (19) SPARE (19)	20 22	19 spare (2 21 spare (2 23 spare (2	24)	
C 25	CL-1 REACH-IN LIGHTS CL-2 REACH-IN LIGHTS CM-1 REACH-IN LIGHTS	96 528	96 12	2 20	1 1	1 20 - 1 20 - 1 20 -	,	,	SPARE (19) SPARE (19) SPARE (19)	24 26 28	25 spare (2	24)	
C 29	CM-2 REACH-IN LIGHTS SPARE (19)	, ,	432 12		1	1 20 -			SPARE (19) SPARE (19)	30 32	29 KMAU1 31 space	COND	
	SPARE (19) gondola canopyt lts (13)	, ,	600 -	20	1	1 20 -	,	600	SPARE (19) gondola canopy Its-bread (13)	34 36	33 space 35 space		
	gondola canopyt Its (13) gondola canopyt Its (13) SPARE (19)	600	<u> </u>	20 20 20	1	1 20 - 1 20 - 1 20 -	600		gondola canopy Its app. (13) SPARE (19) SPARE (19)	38 40 42	37 space39 space41 space		
41	SUBTOTAL	4,308 3,252			1		1,944 1,176		SUBTOTAL	42		SUBTOTAL PHASE A - VA 4,200	
	TOTAL PHASE A - VA 6,252 AMPS 52 TOTAL PHASE B - VA 4,428	LOAD COOLING HEATING	CONN. VA	1.00 0	F	.OAD REFRIGERATION BIGN/DISPLAY	y	/A DF 1.00 1.25				AMPS 35 PHASE B - VA 5,860	(
	AMPS 37 TOTAL PHASE C - VA 5,472	LIGHTING RECEPTACLES	13,152	1.25 1.0/.5	k	(ITCHEN EXISTING	3,000	1.00			TOTAL	AMPS 49 PHASE C - VA 5,860	[F
	AMPS 46 TOTAL PNLBD - VA 16,152	MOTORS SUPP HEAT		1.00 1.00	L	ARGE MOTO	····	1.25 1.25	TOTAL DEMAND 19,440		TOTA	AMPS 49 AL PNLBD - VA 15,920	
C - (AMPS 45 CIRCUIT ROUTED THROUGH CO	MISC EQUIP ONTACTOR, INTE	GRATED WIT	1.00 H REFR		TG TRACK RATION EMS	CONTROLS TO	1.00 OPERATE		4 A GHTS.		AMPS 44	
			PANELB	OARI): E	P (EXIS	STING)						
	MPS: 200A SIZE/TYPE: 125A MCB								EQUIPMENT GROUND	BUS ETR	BUS AMPS: 1 MAIN SIZE/TY	YPE: MLO	
SERV	S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG										SERVES: BLD		
CKT	TION: ELECTRICAL ROOM DESCRIPTION	VA/PHAS		RE BKR		SURFACE P BKR WRE			DESCRIPTION	СКТ	СКТ	DESCRIPTION	一
	nl emergency Its (13)	A B 600 '	C NO	15	1	AMP NO.	A B	C	fire alarm panel (13)	NO.	NO. 1 CHECK	Service Control of Control	
5	nl emergency Its sales area (13) nl emergency Its sales area (13)	600	600 -	15 20	1	1 20 -	180		security alarm (13) spare (24)	6	3 CHECK 5 CHECK 7 CHECK	OUTS	
9	nl emergency Its deli bakery (13) nl em Its receiving/mezz (13) h.i.d em Its sales area (13)	, 600	600 -	20 20 20	1 1	1 20 - 1 20 - 1 20 -	180	360	spare (24) photo cells (13) conv recept mezzanine (13)	8 10 12	9 CHECK 11 CHECK	OUTS	
13	h.i.d emits sales area (13) h.i.d emits sales area (13) h.i.d emits sales area (13)	600 ,	-	20 20	1	1 20 - 1 20 - 1 20 -	360	,	auto sliding door (13) auto sliding door (13)	12 14 16	13 SPARE 15 SPARE		
17 19	h.i.d em lts sales area (13) h.i.d em lts sales area (13)	600	600 -	20 20	1	1 20 - 1 20 -	360	360	auto sliding door (13) auto sliding door (13)	18 20	19 com clo	oset (13) oset (13)	
23	h.i.d em lts sales area (13) spare (24)	, 600	-	20	1	1 20 -	, 600	600	battery charger on gen. (13) mezzanine motor (13)	24	VD 21 PYLON 23 SPARE		
25 27 29	panel ccp1 (13)	1,080	1,140	50	3	1 20 -	360	,	telephone ttb2 (13) space space	26 28 30	TOTAL	SUBTOTAL PHASE A - VA 1,800	<u> </u>
31	panel ccp2 (13)	1,800 , 4,680	-	60	3	3 30 -	4,720) '	panel ccp3 (13)	32 34	TOTAL	AMPS 15 PHASE B - VA 4,680 AMPS 39	(
35 37	training room ac (13)	1,560	2,400	30	2		1,981	4,900		36 38	TOTAL	PHASE C - VA 2,400 AMPS 20	F
39	space SUBTOTAL	1,560 6,840 10,320	-		1	3 30 10	1,98	1,981	G75 BALER	40	TOTA	AL PNLBD - VA 8,880 AMPS 25	, S
	TOTAL PHASE A - VA 14,801	6,840 10,320 LOAD COOLING	5,340 CONN. VA	DF 1.00		.OAD REFRIGERATI	7,961 8,70 CONN.		SUBTOTAL				
	TOTAL PHASE B - VA 19,021 AMPS 159	HEATING LIGHTING	2,880	0 1.25	5	BIGN/DISPLAY (ITCHEN		1.00	_		BUS AMPS: 2 MAIN SIZE/TY	250A YPE: 250A MCB	
	TOTAL PHASE C - VA 13,541	RECEPTACLES		1.0/.5			34,940	1.00			VOLTS/PHAS SERVES: BLD	SE: 208Y/120V, 3PH, 4W DG	
	AMPS 113	MOTORS		1.00	L	EXISTING ARGE MOTO	1	1.25	TOTAL DEMAND				
		MOTORS SUPP HEAT MISC EQUIP	9,543	1.00 1.00 1.00	S		R	1.25 1.25 1.00	48,083	3 VA 33 A	CKT	DESCRIPTION	一
	TOTAL PNLBD - VA 47,363	SUPP HEAT		1.00	L	ARGE MOTO SHOW WNDO TG TRACK	R W	1.25	48,083		CKT NO.		_ _ _
	TOTAL PNLBD - VA 47,363 AMPS 131	SUPP HEAT	9,543	1.00	L	ARGE MOTO SHOW WNDO TG TRACK	R W	1.25	48,083	33 A	CKT NO. 1 UPS PA 5 SPARE	DESCRIPTION NEL "C1" (19)	<u></u>
MAIN VOLT	TOTAL PNLBD - VA 47,363 AMPS 131	SUPP HEAT		1.00	L	ARGE MOTO SHOW WNDO TG TRACK	R W	1.25	48,083	33 A	CKT NO.	DESCRIPTION NEL "C1" (19) (19) (19)	
MAIN VOLT: SERV	TOTAL PNLBD - VA 47,363 AMPS 131 AMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W	SUPP HEAT	PANELB	1.00 1.00 BOARI): F	ARGE MOTO SHOW WNDO TG TRACK	STING)	1.25 1.00	48,083	33 A	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE	DESCRIPTION ANEL "C1" (19) (19) (19) (19) (19) (19) (19)	
MAIN VOLT SERV LOCA CKT NO.	TOTAL PNLBD - VA 47,363 AMPS 131 AMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG TION: PRODUCE RECEIVING	SUPP HEAT MISC EQUIP VA/PHAS A B 360	PANELB	MOUNTII RE BKR D. AMP): F	ARGE MOTO SHOW WINDO TG TRACK PP (EXIS	STING) VA/PH/ A B 360	1.25 1.00	48,083	BUS ETR	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE	DESCRIPTION NEL "C1" (19) (19) (19) (19) (19) (19) (19) (19) (19) (19)	
MAIN VOLTSERV LOCA CKT NO.	AMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG TION: PRODUCE RECEIVING DESCRIPTION gondola recepts (13) gondola recepts (13) gondola recepts (13)	SUPP HEAT MISC EQUIP VA/PHAS A B 360 360	PANELB	1.00 1.00 30ARI MOUNTII RE BKR D. AMP 20 20 20): F	RECESSED P BKR WIRE AMP NO. 1 20 - 1 20 - 1 20 - 1 20 -	STING) STING) STING A B 360 360	1.25 1.00	DESCRIPTION gondola recepts (13) gondola recepts (13) gondola recepts (13)	BUS ETR CKT NO. 2 4 6	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE	DESCRIPTION NNEL "C1" (19) (19) (19) (19) (19) (19) (19) (19) (19) (19) (19)	
MAIN VOLTSERV LOCA CKT NO.	AMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG TION: PRODUCE RECEIVING DESCRIPTION gondola recepts (13)	SUPP HEAT MISC EQUIP VA/PHAS A B 360 360	PANELB SE WIF	1.00 1.00 BOARI BOARI BE BKR D. AMP 20 20 20 20 20 20	NG: F	RECESSED P BKR WIRE AMP NO. 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 -	STING) STING) STING A B 360 360	1.25 1.00	DESCRIPTION gondola recepts (13)	CKT NO. 2 4 6 8 10	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 21 SPARE 23 SPARE 25 handica 27 vending 29 vending	DESCRIPTION (19) (19) (19) (19) (19) (19) (19) (19	
MAIN VOLTSERV LOCA CKT NO. 1 3 5 7 9 11 13	AMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG TION: PRODUCE RECEIVING DESCRIPTION gondola recepts (13)	SUPP HEAT MISC EQUIP VA/PHAS A B 360 360 360 360	PANELB SE WIF C NO 360 - 360 - 360 - 360 -	1.00 1.00 30ARI MOUNTII RE BKR D. AMP 20 20 20 20 20 20 20 20 20 20 20 20	NG: F	RECESSED P BKR WIRE AMP NO. 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 - 1 20 -	STING) STING) STING A B 360 360 360	1.25 1.00	DESCRIPTION Gondola recepts (13)	CKT NO. 2 4 6 8	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 21 SPARE 22 SPARE 23 SPARE 25 handica 27 vending 29 vending 31 exterior	DESCRIPTION (19) (19) (19) (19) (19) (19) (19) (19	
MAIN VOLT SERV LOCA CKT NO. 1 3 5 7 9 11 13 15 17 19	TOTAL PNLBD - VA 47,363 AMPS 131 AMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG TION: PRODUCE RECEIVING DESCRIPTION gondola recepts (13) ceiling fans (13)	VA/PHAS A B 360 1 360	PANELB SE WIF C NO 360 -	1.00 1.00 30ARI MOUNTII RE BKR 2. AMP 20 20 20 20 20 20 20 20 20 20 20 20 20	NG: F	RECESSED P BKR WIRE AMP NO. 1 20 -	STING) STING) STING) STING A B 360 360 360 360 360 360	1.25 1.00	EQUIPMENT GROUND DESCRIPTION gondola recepts (13)	CKT NO. 2 4 6 8 10 12 14 16 18 20	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 21 SPARE 23 SPARE 25 handica 27 vending 29 vending 31 exterior 33 front offi	DESCRIPTION (19) (19) (19) (19) (19) (19) (19) (19	
MAIN VOLT: SERV LOCA CKT NO.	AMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG TION: PRODUCE RECEIVING DESCRIPTION gondola recepts (13)	VA/PHAS A B 360 1 360	PANELB SE WIF C NO 360 - 360 - 360 - 360 -	1.00 1.00 BOARI BE BKR D. AMP 20 20 20 20 20 20 20 20 20 20	NG: F	RECESSED P BKR WIRE AMP NO. 1 20 -	STING) STING) STING A B 360 360 360 360 360 360 360	1.25 1.00	EQUIPMENT GROUND DESCRIPTION gondola recepts (13) Sondola recepts (13) gondola recepts (13) SPACE SPACE	BUS ETR CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 24	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 21 SPARE 21 SPARE 23 SPARE 25 handica 27 vending 29 vending 31 exterior 33 front offi 37 conv rec 39 atm mac 41 outside SECTION: 2	DESCRIPTION (19) (19) (19) (19) (19) (19) (19) (19	
MAIN VOLTS SERV LOCA CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27	TOTAL PNLBD - VA 47,363 AMPS 131 AMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG TION: PRODUCE RECEIVING DESCRIPTION gondola recepts (13) delivery bell (13)	VA/PHAS A B 360 1 360	PANELB SE WIF C NC 360 - 360 - 360 - 360 - 360 -	1.00 1.00 BOARI BOARI BE BKR D. AMP 20 20 20 20 20 20 20 20 20 20	NG: F NG: F P	RECESSED P BKR WIRE AMP NO. 1 20 -	STING) STING) STING A B 360 360 360 360 360 360 360	SE C 360 360 360 360 360 360 360 360 360 360	EQUIPMENT GROUND DESCRIPTION gondola recepts (13) Sondola recepts (13) gondola recepts (13) SPACE	BUS ETR CKT NO. 2 4 6 8 10 12 14 16 18 20 22	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 21 SPARE 23 SPARE 25 handica 27 vending 29 vending 31 exterior 33 front offi 37 conv red 39 atm mad 41 outside SECTION: 2 43 doctors 45 doctors	DESCRIPTION (19) (19) (19) (19) (19) (19) (19) (19	
MAIN VOLT SERV LOCA CKT NO.	TOTAL PNLBD - VA 47,363 AMPS 131 AMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG TION: PRODUCE RECEIVING DESCRIPTION gondola recepts (13) condola recept (13) conv recept (13)	SUPP HEAT MISC EQUIP VA/PHAS A B 360 360 360 360 360 360 360 360 360 36	PANELE SE WIF C NC 360 -	1.00 1.00 BOARI BOARI BE BKR D. AMP 20 20 20 20 20 20 20 20 20 20 20 20 20	NG: F P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RECESSED P BKR WIRE AMP NO. 1 20 - 1 3 80 4	R W W STING) STING) STING A B 360 360 360 360 360 360 360 360 360 360	SE C 360 360 360 360 7,445	EQUIPMENT GROUND DESCRIPTION gondola recepts (13) Sondola recepts (13) Sondola recepts (13) SPACE SPACE SHUNT TRIP D05.1 FRYER AUTOLIFT	33 A BUS ETR CKT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 21 SPARE 23 SPARE 25 handica 27 vending 29 vending 31 exterior 33 front offi 37 conv red 39 atm mad 41 outside SECTION: 2 43 doctors 45 doctors 47 doctors 49 SPARE	DESCRIPTION (19) (19) (19) (19) (19) (19) (19) (19	
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MAIN VOLTSERV LOCA CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 1	MMPS: 200A SIZE/TYPE: 200A MCB S/PHASE: 208Y/120V, 3PH, 4W ES: BLDG TION: PRODUCE RECEIVING DESCRIPTION gondola recepts (13) ceiling fans (13) delivery bell (13) G36C JUICER (19) conv recept (13) conv recept (13) conv recept (13) gondola recepts (13) TOTAL PHASE A - VA 13,746 AMPS 115 TOTAL PHASE B - VA 14,206 AMPS 118 TOTAL PHASE C - VA 14,706 AMPS 123 TOTAL PHASE C - VA 14,706 AMPS 123 TOTAL PHASE C - VA 14,706 AMPS 123 TOTAL PHASE C - VA 14,706 AMPS 118 TOTAL PHASE C - VA 14,706 AMPS 118 TOTAL PHASE C - VA 14,706 AMPS 118 TOTAL PHASE C - VA 14,706 AMPS 123 TOTAL PNLBD - VA 42,658 AMPS 118	SUPP HEAT MISC EQUIP VA/PHAS A B 360 360 360 360 360 360 360 360 360 36	PANELE SE WIFE C NC 360 - 3	MOUNTII RE BKR D. AMP 20 20 20 20 20 20 20 20 20 20 20 20 20	NG: F NG: F	RECESSED RECESS	TING) TING) TING A B 360 360 360 360 360 360 360 360 360 36	SE C S S S S S S S S S S S S S S S S S S	EQUIPMENT GROUND DESCRIPTION gondola recepts (13) sondola recepts (14) sondola recepts (14) sondola recepts (14) sondola recepts (14)	BUS ETR CKT NO. 2	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 23 SPARE 25 handica 27 vending 29 vending 31 exterior 33 front offi 35 conv red 39 atm mad 41 outside SECTION: 2 43 doctors 45 doctors 47 doctors 49 SPARE 51 SPARE 53 conv red 55 conv red 57 CONSU 59 video de 61 SPARE 63 e wall st 65 w. pos u 67 w. pos u 69 work sta 71 data are 73 pos cou 75 refrig ma 77 SPARE 79 SPARE 81 conv red 83 SPARE	DESCRIPTION (19) (19) (19) (19) (19) (19) (19) (19	
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MAIN VOLT SERV LOCA CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOTAL PNLBD - VA	SUPP HEAT MISC EQUIP VA/PHAS A B 360 360 360 360 360 360 360 360 360 36	PANELE SE WIFE C NC 360 - 3	MOUNTIL RE BKR D. AMP 20 20 20 20 20 20 20 20 20 20 20 20 20	NG: F NG: F	RECESSED RECESS	TING) STING) STING) STING) STING	1.25	EQUIPMENT GROUND DESCRIPTION gondola recepts (13) space SPACE SPACE SHUNT TRIP D05.1 FRYER AUTOLIFT disposal (13) wrapper (13) wrapper (13) Wrapper (13) TOTAL DEMAND 42,656 1: TOTAL DEMAND EQUIPMENT GROU ISOLATED GROU DESCRIPTION OUT 1 OUT 2 OUT 3 OUT 4 OUT 5 OUT 6 EGISTER PHARMACY (IG) EGISTER PHARMACY (IG) EGISTER PHARMACY (IG) COSET QUAD (FROM CCP2) COSET QUAD (FROM CCP2) COSET QUAD (FROM CCP2)	BUS ETR CKT NO. 2	CKT NO. 1 UPS PA 3 SPARE 7 SPARE 9 SPARE 11 SPARE 13 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 23 SPARE 25 handica 27 vending 29 vending 31 exterior 33 front offi 37 conv red 39 atm mad 41 outside SECTION: 2 43 doctors 47 doctors 47 doctors 47 doctors 47 doctors 49 SPARE 51 SPARE 53 conv red 55 conv red 56 w. pos L 67 w. pos L 68 w. pos L 69 work sta 71 data are 73 pos cou 75 refrig mad 77 SPARE 79 SPARE 81 conv red 83 SPARE 84 CONSU 85 SERVES: BLE 10 CATION: E	DESCRIPTION (NEL "C1" (19) (19) (19) (19) (19) (19) (19) (19	
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SUPP HEAT

MISC EQUIP

1.00 LARGE MOTOR

1.00 LTG TRACK

1.00 SHOW WINDOW

MOTORS

PANELBOARD: LC (EXISTING)

	AMPS: 100A SIZE/TYPE: 100A MCB S/PHASE: 208Y/120V, 3PH, 4W /ES: BLDG												EQUIPMENT GROUND BU	IIX	MAIN S VOLTS SERVI	MPS: 400A SIZE/TYPE: 300A MCB S/PHASE: 208Y/120V, 3 ES: BLDG
OCA CKT NO.	DESCRIPTION	A	VA/PHAS B	E C		BKR AMP		Р		WIRE	VA/PHAS A B	E C	DESCRIPTION	CKT NO.	CKT NO.	TION: STOCKROOM DESCRIPTIO
1	bldg sign (OFF) bldg sign (OFF)	<u> ^ </u>	,	,	- -	20 20	1	1	20 20	- -	1,200		bldg sign bakery deli (13) pharmacy (13)	2	1 (conv recept (13)
5 7	bldg sign (OFF) bldg sign (13)	1,200	,	•	.=	20	1	1	20	-	600	600	pharmacy (13) pharmacy (13)	6 8	5 7	conv recept (13)
11	bldg sign (OFF) bldg sign (13) mailmart pharmacy video (OFF)	•	*	1,200	-	20 20 20	1 1	1	20 20 20	-	1,200	600	pharmacy (13) pharmacy (13) pylon sign (13)	10 12 14	11	3 hp saw (13)
17	mailmart pharmacy video (13) mailmart pharmacy video (13) spare (24)	*	600	600	.=	20 20 20	1	1 1 1	20 20 30	-	1,200	1	pylon sign (13) spare (24)	16 18 20	15 17 19	3 hp saw (13)
21	spare (24) spare (24) spare (24)				1-	20 20	1	1	30	-	, ,	<u> </u>	spare (24) spare (24) spare (24)	22		mixer/grinder (13)
25 27 29	spare (24) KMAU1 COND	•	2,860	2,860	8	20 40	2	1	20	-	, ,	*	spare (24) spare (24) space	26 28 30	25 27 29	mixer/grinder (13)
31	space space		,	2,000) -	-	1	1	- -	-	, ,	3	space space	32 34	31 r	mixer/grinder (13) mixer/grinder (13)
37	space space space	*	·		-	-	1 1 1	1	-	-	•	1	space space	36 38 40	37	mixer/grinder (13) grinder/choipper (13)
_	space SUBTOTAL	1,200	3,460	4,660	1=	-	1	1	-	_	3,000 2,400	1,200	space space SUBTOTAL	42	41	existing load (13)
	TOTAL PHASE A - VA 4,200 AMPS 35	LOAD		CONN. VA 5,720	1	DF 1.00			RIGE	RATIO	CONN. VA	1.00			45	D08 HOLDING CABINET space
	TOTAL PHASE B - VA 5,860 AMPS 49 TOTAL PHASE C - VA 5,860	HEATING LIGHTING RECEPT	G			1.25 1.0/.5		KIT	N/DIS CHEN STING		10,200	1.25 1.00 1.00	_		47 49 51	D01 ROTISSERIE (15,19
	AMPS 49 TOTAL PNLBD - VA 15,920	MOTORS SUPP HE	S EAT			1.00 1.00		LAR SHO	RGE M	IOTOF 'INDO\		1.25 1.25	TOTAL DEMAND 15,920 V	_	55	conv recept (13)
	AMPS 44	MISC EQ	UIP			1.00		LTC	TRA	CK		1.00	44	Α	59 l	SPARE (24) base station 1 (13) base station 2 (13)
			ı	PANELI	BOA	ARD	: C	CP	2	(EXI	STING)				65	conv recept (13) existing load (13)
ΛΑΙΝ	AMPS: 100A SIZE/TYPE: MLO												EQUIPMENT GROUND BU ISOLATED GROUND BU	2. 2.30 A N N	71	SPARE (24) existing load (13)
SERV	S/PHASE: 208Y/120V, 3PH, 4W /ES: BLDG \TION: FRONT OFFICE				M	IOUNT	ING	: SU	RFAC	E					73	G94 PAN WASHER
CKT NO.	DESCRIPTION	Α	VA/PHAS B	E C	WIRE NO.	BKR AMP	Р		BKR AMP	WIRE NO.	VA/PHAS A B	E C	DESCRIPTION	CKT NO.	79 S	space space
3	CHECKOUTS CHECKOUTS	600	600	,	12 12	20	1	1	20	-	,		SPARE SPARE	2 4	83	space SUBTOTAL
7	CHECKOUTS CHECKOUTS	600	600	600	12 12 12	20 20 20	1 1 1	1 1	20 20 20	-	,		SPARE SPARE SPARE	6 8 10		TOTAL PHASE A - VA
11 13	CHECKOUTS SPARE	•	1	600	12 -	20 20	1	1	20	-	*	,	SPARE SPARE	12 14		TOTAL PHASE B - VA AMPS TOTAL PHASE C - VA
17	SPARE com closet (13) com closet (13)	600	*	600		20 20 20	1 1 1	1 1 1	20 20 20	-	600	600	existing load (13) pharmacy refrig (13) SPARE	16 18 20		AMPS TOTAL PNLBD - VA
21	PYLON SIGN SPARE	•	2,880		2/0	30 20	1	1	20	-	, ,	*	SPARE SPARE	22		AMPS
	SUBTOTAL TOTAL PHASE A - VA 1,800	1,800 LOAD	4,080	1,800	\	DF		LOA			600 CONN. VA		SUBTOTAL			AMPS: 200A
	AMPS 15 TOTAL PHASE B - VA 4,680 AMPS 39	COOLING HEATING LIGHTING	3	2,880		1.00 0 1.25		SIG		RATIC PLAY	DN	1.00 1.25 1.00			VOLT:	SIZE/TYPE: 150A MCB S/PHASE: 208Y/120V, 3 ES: DELI/BAKERY
	TOTAL PHASE C - VA 2,400 AMPS 20	RECEPT	ACLES	2,000		1.0/.5		EXIS	STING		2,400	1.00 1.00 1.25	TOTAL DEMAND	_		TION: BAKERY DESCRIPTIO
	TOTAL PNLBD - VA 8,880 AMPS 25	SUPP HE MISC EQ		3,600		1.00			OW W	(INDO) CK	V	1.25 1.00	9,600 V 27	_	NO.	pan oven (13)
				PANE	LBC					EXIS	TING)				5	pan oven (13) G81 SCALES G70 SLICERS
MAIN	AMPS: 250A SIZE/TYPE: 250A MCB 'S/PHASE: 208Y/120V, 3PH, 4W					2 S	ECT	ION					EQUIPMENT GROUND BU ISOLATED GROUN		9 11	G72 WRAP icing cond. (13)
SERV	/ES: BLDG ATION: FRONT OFFICE				M	1OUNT	ΓING	: SU	IRFAC	CE					15	B32CC TORTILLA OVEN overhead drop receptach conv receptacle bakery (
OKT NO.	DESCRIPTION	Α	VA/PHAS B	E C					BKR AMP	WIRE NO.	VA/PHAS A B	E C	DESCRIPTION	CKT NO.	19	conv receptacle bakery (conv receptacle bakery (TORTILLA MACHINE
1 3 5	UPS PANEL "C1" SPARE (19)	6,360	5,040	,	6	60 20	2	1 1 1	20 20 20	12	1,584	``	SPARE (19) G65 MICROWAVE (19) SPARE (19)	2 4 6	23 25 27	D31 COMBI OVEN
7	SPARE (19) SPARE (19) SPARE (19)		`	X X		20	1	1 1	20	12	1,800	X X	G03 REFRIGERATOR (19) SPARE (19)	8 10	29	SHUNT TRIP neon bakery lines (13)
13	SPARE (19) SPARE (19) SPARE (19)	,	,	× ×		20 20 20	1	1 1	20 20 20	12 8	1,104	360	COUNTER RECEPTACLES (19) SPARE (19) G04.2 REFRIGERATOR (6,19)) 12 14 16	35	neon seafood steak sala neon cakes (13)
17	SPARE (19) SPARE (19)	,	``	X)		20	1	1 1	20	- 8	1,104	×	SPARE (19) REACH-IN COOLER (6,19)	18	39	existing load (13)
23	SPARE (19) SPARE (19) handicap cart recept (13)	360	,	,		20 20 20	1	1 1 1	20 20 20	- 6	360	1,680	SPARE (19) REACH-IN FREEZER (6,19) bank recept (13)	22 24 26		SUBTOTAL TOTAL PHASE A - VA
27 29	vending machine (13) vending machine (13)	•	600	600	-	20	1	1 1	20	-	360	600	office rec (13) vending machine (13)	28		AMPS TOTAL PHASE B - VA
	exterior conv recept (13) front office panel (13)	360	2,400	2,400	-	20 100	2	1 1 1	20 20 20	-	360	360	vending machine (13) conv recept- customer serv (13) conv recept- pot office (13)	32 34 36		AMPS TOTAL PHASE C - VA AMPS
37 39	conv recept toilet (13) atm mach (13)	360	360	,	-	20	1	1	20 20	- -	360	,	conv recept- managers off (13) conv recept- managers off (13)	38 40		TOTAL PNLBD - VA AMPS
ECT	outside conv recept video (13) TION: 2 doctors sales counter (13)	360	,	360	-	20	1	1	20	-	1,716	360	gondola recept (13)	42		
45 47	doctors sales counter (13) doctors sales counter (13) doctors sales counter (13)	1	360	360	-	20	1	2	20	12	1,716	•	4' MOBILE HOT CASE (2) SPARE (19)	46 48	MAIN	AMPS: 200A SIZE/TYPE: 200A MCB
49 51	SPARE (19)	1	,	, 360	=	40	2	1 1 1	20 20 20	-	600	600	SPARE (19) vestibule toilet hand dryer (13) vestibule toilet hand dryer (13)	50 52 54	SERV	S/PHASE: 208Y/120V, 3 ES: FIRST FLOOR TION: CORRIDOR, ROC
52	conv recept pharmacy (13) conv recept pharmacy (13) CONSULT RECEPTACLE (19)	360	180	•	- 12	20 20	1 1	1 1 1	20 20 20	-	360 360	•	entry ice mercandiser (13) entry ice mercandiser (13)	54 56 58	CKT NO.	TION: CORRIDOR, ROC DESCRIPTIO
55	video dept tv recepts (13) SPARE (19)	•	360	360	-	20 20	1	1 1	20 20	6	2,004	360	entry ice mercandiser (13) D19 HOLDING (6,13)	60 62	4	D36.8 HOT CASE
55 57 59 61	a wall store (40)	360	300	360	-	20 20 20	1 1 1	1 1 1	20 20 20	12 - -	120	360	G51 SCANNING SYSTEM (13) front and out conv recept (13) SPARE (19)	64 66 68	5 7	spare (24)
55 57 59 61 63 65	e wall storage ups (13) w. pos ups (13) w. pos ups (13)	300	360	360	-	20 20	1	1	20 20	-	, ,	*	SPARE (19) SPARE (19)	70 72	11	coffee maker (13) coffee maker (13) slicer (13)
55 57 59 61 63 65 67 69 71	w. pos ups (13) w. pos ups (13) work station ups (13) data area ups (13)	1	\ 	•	-	20	1 1 1	1 1 1	20 20 20	-	360	600	drinking fountain (13) drinking fountain (13) entry air curtain (13)	74 76 78	15 \ 17	wrapper (13) menu board (13)
55 57 59 61 63 65 67 69 71 73 75	w. pos ups (13) w. pos ups (13) work station ups (13) data area ups (13) pos counter ups (13) refrig monitor (13)	,	360	,	_	20	1 10	1.993	20	-	360	,	vide rept conv recept (13)	80		slicer (13)
55 57 59 61 63 65 67 69 71 73 75 77	w. pos ups (13) w. pos ups (13) work station ups (13) data area ups (13) pos counter ups (13) refrig monitor (13) SPARE (19) SPARE (19) conv recept gondola (13)	360	360	,	-	20 20 20	1	1		_			SPARE (19)	82		coffee maker (13)
55 57 59 61 63 65 67 69 71 73 75 77	w. pos ups (13) w. pos ups (13) work station ups (13) data area ups (13) pos counter ups (13) refrig monitor (13) SPARE (19) SPARE (19) conv recept gondola (13) SPARE (19) SUBTOTAL	360	360	5,160	- - -	20 20 20	1 1 1	2	50		9,024 6,924	5,280	SPARE (19) SUBTOTAL		23 c 25 s 27 s	conv receptacle drop cor service buzzer (13) gas fryer control (13)
55 57 59 61 63 65 67 69 71 73 75 77	w. pos ups (13) w. pos ups (13) work station ups (13) data area ups (13) pos counter ups (13) refrig monitor (13) SPARE (19) SPARE (19) conv recept gondola (13) SPARE (19) SUBTOTAL TOTAL PHASE A - VA 17,904 AMPS 149	360 360 8,880 LOAD COOLING	360 360 360 10,380	,	- - -	20 20 20 20 DF 1.00		LOA	50 AD RIGE	- RATIO	9,024 6,924 CONN. V	A DF 1.00		82	23 (25 s) 27 (29 ii 31 s)	conv receptacle drop cor service buzzer (13) gas fryer control (13) ice flaker (13) sandwich makeup unit (1
55 57 59 61 63 65 67 69 71 73 75 77	w. pos ups (13) w. pos ups (13) work station ups (13) data area ups (13) pos counter ups (13) refrig monitor (13) SPARE (19) SPARE (19) conv recept gondola (13) SPARE (19) SUBTOTAL TOTAL PHASE A - VA 17,904	360 360 3880 8,880	360 360 360 10,380 G G G	5,160	- - -	20 20 20 DF		LO/ REF SIG KIT	50 AD RIGE	PLAY I	9,024 6,924 CONN. V	A DF		82	23 (25 s) 27 (29 i) 31 s) 33 i) 35 (conv receptacle drop cor service buzzer (13) gas fryer control (13) ice flaker (13)
55 57 59 61 63 65 67 69 71 73 75 77	w. pos ups (13) w. pos ups (13) work station ups (13) data area ups (13) pos counter ups (13) refrig monitor (13) SPARE (19) SPARE (19) conv recept gondola (13) SPARE (19) SUBTOTAL TOTAL PHASE A - VA 17,904 AMPS 149 TOTAL PHASE B - VA 17,304 AMPS 144 TOTAL PHASE C - VA 10,440 AMPS 87 TOTAL PNLBD - VA 45,648	8,880 LOAD COOLING HEATING RECEPT MOTORS SUPP HE	360 360 360 10,380 G G G ACLES S EAT	5,160 CONN. V/	- - - -	20 20 20 1.00 0 1.25 1.00/.5 1.00	======================================	LOA REA SIG KIT EXI: LAF SHO	50 RIGE N/DIS CHEN STING RGE M DW W	SPLAY I S IOTOF /INDO\	9,024 6,924 CONN. Vi	1.00 1.25 1.00 1.00 1.25 1.25	TOTAL DEMAND 45,648 V	82 84	23 0 25 5 27 9 31 5 33 1 35 0 37 39	conv receptacle drop cor service buzzer (13) gas fryer control (13) ice flaker (13) sandwich makeup unit (1 D20 BLAST CHILLER (1 conv receptacle (13) 132 WOMEN POWER (13) produce ice machine (13)
55 57 59 61 63 65 67 69 71 73 75 77	w. pos ups (13) w. pos ups (13) work station ups (13) data area ups (13) pos counter ups (13) refrig monitor (13) SPARE (19) SPARE (19) conv recept gondola (13) SPARE (19) SUBTOTAL TOTAL PHASE A - VA 17,904 AMPS 149 TOTAL PHASE B - VA 17,304 AMPS 144 TOTAL PHASE C - VA 10,440 AMPS 87	8,880 LOAD COOLING HEATING RECEPT MOTORS	360 360 360 10,380 G G G G ACLES S EAT	5,160 CONN. V/		20 20 20 1.00 0 1.25 1.00.5 1.00 1.00		LOAREN SIG	50 FRIGE N/DIS CHEN STING RGE M DW W G TRA	PLAY I OTOF INDO CK	9,024 6,924 CONN. Vi	1.00 1.25 1.00 1.00 1.25	SUBTOTAL TOTAL DEMAND	82 84	23 (25 (27 (29)) (27 (27)) (27	conv receptacle drop cor service buzzer (13) gas fryer control (13) ice flaker (13) sandwich makeup unit (1 D20 BLAST CHILLER (1 conv receptacle (13)

VA/PHASE WIRE BKR P P BKR WIRE VA/PHASE

' - - 1 1 20 -- - 1 1 - -- 1 1 - -

REFRIGERATION

SIGN/DISPLAY

LARGE MOTOR

KITCHEN

EXISTING

1.00 SHOW WINDOW

1.00 LTG TRACK

720 1,320 960

COOLING

HEATING

LIGHTING

MOTORS

TOTAL PHASE C - VA 1,140 RECEPTACLES

 AMPS
 10
 MOTORS

 TOTAL PNLBD - VA
 3,900
 SUPP HEAT

 AMPS
 11
 MISC EQUIP

TOTAL PHASE B - VA 1,680 AMPS 14

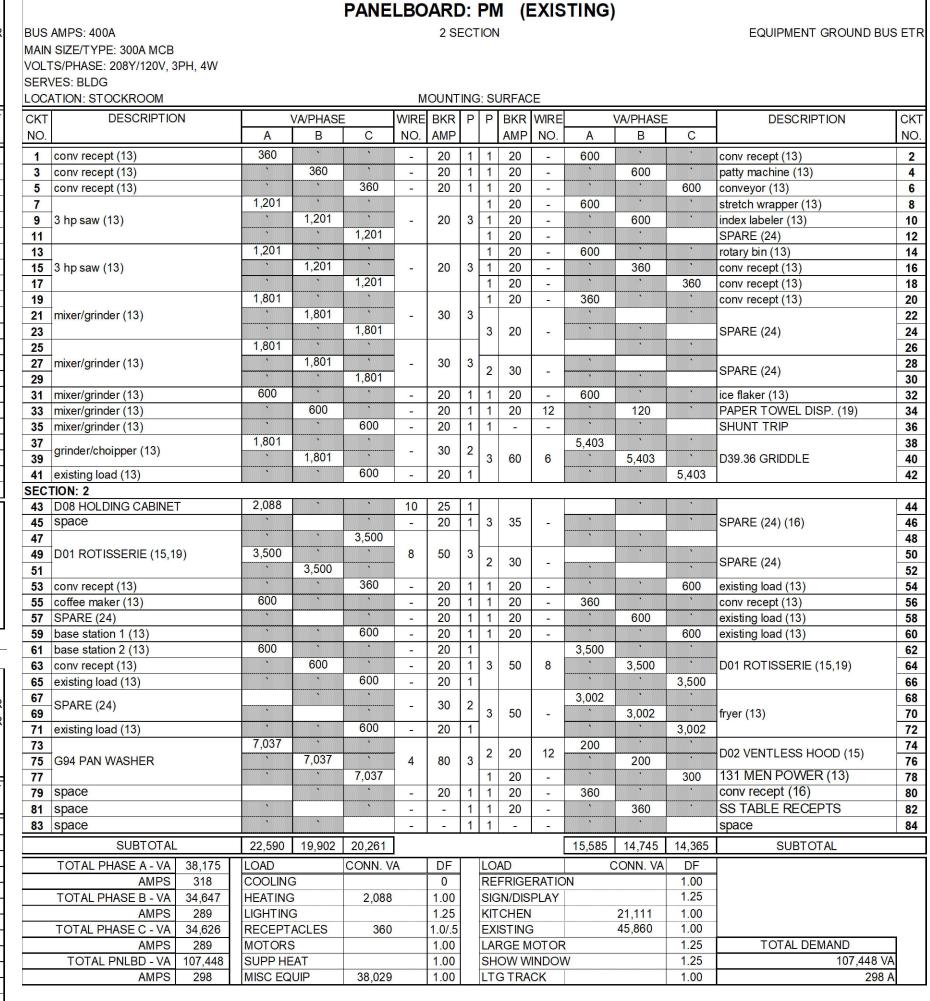
1.25 TOTAL DEMAND

11400

1.25

1 00

A B C NO. AMP AMP NO. A B C



	ATION: BAKERY					M	OUNT	ING	: SL	JRFAC	E					
CKT	DESCRIPTIO	N	V	/A/PHASE	_	WIRE	BKR	Р	Р	BKR	WIRE	,	VA/PHASE	6	DESCRIPTION	CKT
NO.			Α	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO.
1	pan oven (13)		1,000		*	_	20	1	1	20	12	1,500	•	×	B24 BREAD SLICER (19)	2
3	pan oven (13)		1	1,000	1	-	20	1	1	20	_	*		,	donut fryer control (13)	4
5	G81 SCALES		1		960	12	20	1	1	20	-	•	•		coffee maker (13)	6
7	G70 SLICERS		1,680	,	•	12	20	1	1	20	-	1,560	,	•	20 qt. mixer (13)	8
9	G72 WRAP		•	165		12	20	1				•	2,342	,		10
11	icing cond. (13)		•	١.		-	20	1	3	30	-	•	,	2,342	60 qt. mixer (13)	12
13	B32CC TORTILLA OVE	,	1,800			12	20	1				2,342		١,		14
15	overhead drop receptacl		1	360	,	-	20	1	1	20	-	•		•	menu board (13)	16
17	conv receptacle bakery (,	٠	360	-	20	1	1	20	-	`	,	000000000000000000000000000000000000000	wrapper (13)	18
19	conv receptacle bakery ((13)	360		١.	-	20	1	1	20	-	360	٠,	١	conv. receptacles bakery (13)	20
21	TORTILLA MACHINE			1,800	,	12	20	1	1	20	-		360	,	conv. receptacles bakery (13)	22
23			1		5,291			L	1	20	-			360	conv. receptacles bakery (13)	24
25	D31 COMBI OVEN		5,291	*	,	6	60	3	1	20	-		1	•	SPARE (24)	26
27			1	5,291	*				1	20	12		1,914	,	B43.6 BAKERY CASE (13)	28
29	SHUNT TRIP		•	,		-	-	1	2	20	12	•	,	1,470	B46.6 BAKERY CASE	30
31	neon bakery lines (13)		3		*	_	20	2	_			1,470	•		J 1010 D/11 (211)	32
33													3,122	,		34
35	neon seafood steak sala	id (13)		```		-	20	1	3	40	-		<u> </u>	3,122	proofer (13)	36
37	neon cakes (13)					-	15	1				3,122				38
39	existing load (13)					_	20	2	1	20	-				drink cooler (13)	40
41						•			1	20	-			600	receptacle drink bar (13)	42
	SUBTOTAL		10,131	8,616	6,611	l						10,354	7,738	7,894	SUBTOTAL	
	TOTAL PHASE A - VA	20,485	LOAD		CONN. V	A	DF		LO				CONN. VA	DF		
	AMPS	171	COOLING	i			1.00	- 1			RATIO	N		1.00		
	TOTAL PHASE B - VA	16,354	HEATING				0	-		N/DIS				1.25		
	AMPS	136	LIGHTING				1.25	-		CHEN			1,800	1.00		
	TOTAL PHASE C - VA	14,505	RECEPTA				1.0/.5	_ L		STING			22,712	1.00		,
	AMPS	121	MOTORS				1.00	-			OTOR			1.25	TOTAL DEMAND	↓
	TOTAL PNLBD - VA	51,344	SUPP HE				1.00				INDOV	V		1.25	51,344 VA	
	AMPS	143	MISC EQU	JIP	26,832		1.00		LT(3 TRA	CK			1.00	143 A	N .

PANELBOARD: PB (EXISTING)

EQUIPMENT GROUND BUS ETR

			PANE	LBC	ARI): I	PD) (E	XIS	TING)				
3US	AMPS: 200A												EQUIPMENT GROUND BU	S ET
//AIN	N SIZE/TYPE: 200A MCB													
OL.	TS/PHASE: 208Y/120V, 3PH, 4W													
	VES: FIRST FLOOR													
OC.	ATION: CORRIDOR, ROOM #:136			N	10UNT	ING:	: SL	JRFAC	E					
KT	DESCRIPTION	VA/F	PHASE	WIRE	BKR	Р	Р	BKR	WIRE	11	VA/PHASE	3	DESCRIPTION	CK
VO.	Will have been a second as a second as	Α	ВС	NO.	AMP		-	AMP		Α	В	С		NC
1		2,862	*							6,004	*			2
3	D36.8 HOT CASE		,862	10	35	2	3	100	_	0,004	6,004	· .	combi therm (13)	4
5		-,	,002					100			1	6,004	Toombi the iiii (10)	6
7	spare (24)		· · · · · · · · · · · · · · · · · · ·	-	30	2	1	-	_			,004	SHUNT TRIP	8
9	coffee maker (13)	1.	.000	_	20	1	,			t	7,445	•		10
11	coffee maker (13)		1,000	-	20	1	3	80	4		,	7,445	D05.1 FRYER AUTOLIFT	12
13	slicer (13)	600			20	1	7.5			7,445		١,		14
15	wrapper (13)	• 6	600	-	20	1	1	20	-	*	600	•	drink dispensers (13)	16
17	menu board (13)	,	360	-	20	1	1	20	-	,		1,000	coffee maker (13)	18
19	slicer (13)	600	, ,		20	1	1	20	-	1,000	,	•	coffee maker (13)	20
21	coffee maker (13)	1,	,000	-	20	1	1	20	-	•	180	•	tv receptacle (13)	22
23	conv receptacle drop cord (13)	*	360	I.	20	1	1	20	-	*	x	360	drinking fountain (13)	24
25	service buzzer (13)	180	,	-	20	1	1	20	-	1,000		,	microwave (16)	26
27	gas fryer control (13)	' 6	600	-	20	1	1	20	1		360	•	conv receptacle deli (13)	28
29	ice flaker (13)	,	600	-	20	1	1	20	-		•	1,000	microwave (13)	30
31	sandwich makeup unit (13)	600	•	-	20	1	1	20	·	1,000	,	•	coffee maker (13)	32
33	D20 BLAST CHILLER (19)		,920	12	20	1	1	20	-	•	720	•	conv receptacle break room (13)	34
35	conv receptacle (13)		360	-	20	1	1	20	-	•	١	720	conv receptacle office (13)	36
37	132 WOMEN POWER (13)	300	, ,	12	20	1					•	*		38
39	produce ice machine (13)		,560	_	30	2	3	30	-		000000000000000000000000000000000000000	•	SPARE (24)	40
41	produce to macrime (10)	*	1,560		00	-								42
	SUBTOTAL	5,142 9,	,542 4,240							16,449	15,309	16,529	SUBTOTAL	
	TOTAL PHASE A - VA 21,591	LOAD	CONN. V	Ά	DF	L -	LO				CONN. VA			
	AMPS 180	COOLING			1.00	L.,		FRIGE		ON		1.00	_	
	TOTAL PHASE B - VA 24,851	HEATING			0	L.		N/DIS				1.25		
	AMPS 207	LIGHTING			1.25			CHEN				1.00	_	
	TOTAL PHASE C - VA 20,769	RECEPTACL	.ES		1.0/.5			STING			36,932	1.00		_
	AMPS 173	MOTORS			1.00			RGE M				1.25	TOTAL DEMAND	_
	TOTAL PNLBD - VA 67,211	SUPP HEAT			1.00	ļ.,		OW W		N		1.25	67,211 V	_
	AMPS 187	MISC FOUIP	30 279		1 00		ITC	GTRA	CK			1.00	187	Δ

PANEL SCHEDULES SCALE: NTS

DESCRIPTION

scale, printer, meat prep (13)

scale printer sausage prep (13)

scale printer produce prep (13)

SUBTOTAL

TOTAL DEMAND

3,900 VA

hand wrap (13)

) spare (24)

360 360 180

CONN. VA DF

180 scale printer meat prep (13)

AMPS 187 MISC EQUIP 30,279 1.00 LTG TRACK



111 3rd Avenue S Suite 400 612.547.1300 Minneapolis, MN 55401 www.core-states.com



Drawn: Reviewed: Sheet Date: 02-24-2024 Proj. Number: BGC.37948.RR

NDQ JEG

PANELBOARD NOTES ()

- 1. TERMINATE GROUND ON ISOLATED GROUND BUS.
- 2. INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER.
- 3. INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL
- 4. GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
- 5. GFI BREAKER FOR EQUIPMENT PROTECTION (30MA). 6. CONDUCTOR SIZE HAS BEEN INCREASED FOR
- VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONATELY PER NEC.
- REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
- 8. REFER TO ONE-LINE DIAGRAMS FOR WIRE SIZES.
- 9. FACTORY WIRED TO LOAD.
- 10. BREAKER SHALL BE HIGH MAGNETIC TYPE. 11. BREAKER REMOVAL - FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO
- EXISTING LOAD. REMOVE CIRCUIT BREAKER AND PROVIDE FILLER PLATE. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPACE" OR INDICATE LOAD SERVED.
- 12. DUAL TAP REMOTELY OPERATED BREAKER. CONNECT EMERGENCY/NIGHT LIGHTING TO UNSWITCHED TERMINATION.
- 13. EXISTING CIRCUIT AND/OR CIRCUIT BREAKER.
- 14. ROUTE CIRCUIT THROUGH CONTACTOR.
- 15. PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD ANSUL SYSTEM.
- 16. RELOCATED CIRCUIT FROM EXISTING PANELBOARD. 17. PROVIDE BLANK CIRCUIT BREAKER FILLER PLATE
- FOR EXPOSED SPACE IN PANELBOARD.
- 18. PROVIDE U.L. LISTED OVERCURRENT DEVICE TO COORDINATE AND MAINTAIN MANUFACTURER'S SERIES RATED SYSTEM.
- 19. EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.
- 20. ROUTE CIRCUIT THROUGH EXISTING LCU CABINET UTILIZING EXISTING RELAY AND CONTROLS. UPDATE LCU IDENTIFICATION SCHEDULE WITH LOAD IDENTIFICATION.
- 21. REMOTELY OPERATED CIRCUIT BREAKER. REFER TO BUILDING AUTOMATION SYSTEM PLANS FOR CIRCUIT BREAKER CONTROL.
- 22. EXISTING LOAD TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (11).
- 23. ROUTE CIRCUIT THROUGH ENCLOSED GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
- 24. SPARE FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO EXISTING LOAD, PROVIDE LOCK OFF DEVICE TO LOCK SPARE BREAKER IN THE OFF POSITION. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPARE" OR INDICATE LOAD SERVED.
- 25. EXISTING LOAD TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (24).
- 26. SUBMETERED LOAD INSTALL CT'S AND ROUTE LEADS TO POWER METER INDICATED IN SUBMETER SCHEDULE. FINAL TERMINATIONS AT METER AND COMMISSIONING BY OTHERS.

. NEW OVERCURRENT PROTECTIVE DEVICES PLACE IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN

- SAID BOARD. 2. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR EVERY EXISTING PANELBOARD AFFECTED BY THIS PROJECT. IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY AFFECTED PANELBOARD. PROVIDE THE DATE THAT THE SCHEDULE IS CREATED. 3. ALL OVERCURRENT DEVICES ARE NEW UNLESS
- NOTED OTHERWISE.

PANELBOARD GENERAL NOTES

- 1. NEW OVERCURRENT PROTECTIVE DEVICES PLACE IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN SAID BOARD.
- 2. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR EVERY EXISTING PANELBOARD AFFECTED BY THIS PROJECT. IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN CIRCUIT INDENTIFICATION SCHEDULE FOR EVERY AFFECTED PANELBOARD. PROVIDE THE DATE THAT THE SCHEDULE IS CREATED.
- 3. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.
- 4. EXISTING LOADS ARE INDICATED IN LOWERCASE TEXT. NEW OR MODIFIED LOADS ARE INDICATED IN UPPERCASE TEXT.

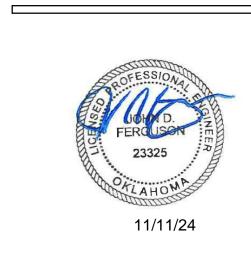


430 E. Front St. **Tyler, TX 75702** 903-579-0500

Rea

DATE 09/23 PROJECT NO.

4090200-0 STORE NO. SHEET NO.



NDQ Drawn: JEG Reviewed: 02-24-2024 Sheet Date: Proj. Number: BGC.37948.RR

COMcheck Software Version 4.1.5.5

Envelope Compliance Certificate

Project Information

Energy Code: 2018 IECC Project Title: Location: Tahlequah, Oklahoma Climate Zone: Project Type: Alteration

Construction Site: Owner/Agent: Designer/Contractor:

Building Area Floor Area Unspecified

Data filename:P:\Brookshires\Tahlequah, OK Reasor's (2001 South Muskogee)-BGC.37948.RR\Design

COMcheck Software Version 4.1.5.5

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each

requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception

□Complies

□Does Not

☐Not Observable

☐Not Applicable

is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Inspection Checklist

Requirements: 100.0% were addressed directly in the COMcheck software

Energy Code: 2018 IECC

Plan Review

calculations provide all information

determined for the interior lighting

and electrical systems and equipment

the standard are claimed. Information

lighting power calculations, wattage of

bulbs and ballasts, transformers and

and document where exceptions to

with which compliance can be

provided should include interior

C103.2 Plans, specifications, and/or calculations provide all informations

control devices.

Additional Comments/Assumptions:

& Req.ID

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Envelope Assemblies

COMcheck Software Version 4.1.5.5

Interior Lighting Compliance Certificate

Project Information Energy Code: 2018 IECC Project Title: Project Type: Alteration

Rough-In Electrical Inspection

lights independent of general area

Daylight-responsive controls for

responsive control function and

specific uses installed per approved

allowed for special functions per the

approved lighting plans and is

separated from general lighting.

Exit signs do not exceed 5 watts per

automatically controlled and

electric transformers meet the

minimum efficiency requirements of

Electric motors meet the minimum

efficiency requirements of Tables

under an approved certification

manufacturer (where certification

automatic controls configured to

local code when not conveying

combination of feeders and branch

permitted speed in accordance with

ASME A17.1/CSA B44 or applicable

programs do not exist).

[EL28] ² reduce speed to the minimum

C405.9 Total voltage drop across the

circuits <= 5%.

Additional Comments/Assumptions:

passengers.

C405.8.2, Escalators and moving walks comply

C405.8.2. with ASME A17.1/CSA B44 and have

Efficiency verified through certification

program or the equipment efficiency

ratings shall be provided by motor

C405.7(1) through C405.7(4).

section C405.2.3.2 Sidelit zone.

[EL23] ² applicable spaces, C405.2.3.1 Daylight

C405.2.4 Separate lighting control devices for

lighting plans.

C405.2.4 Additional interior lighting power

C405.6 Low-voltage dry-type distribution electric transformers meet the

Table C405.6.

C405.2.3, Daylight zones provided with

C405.2.3. individual controls that control the

C405.2.3. lighting. See code section C405.2.3

Designer/Contractor: Construction Site: Owner/Agent: **Allowed Interior Lighting Power Area Category** Floor Area Watts / ft2 1-Sales Area (Common Space Types:Sales Area) 2-Training Room (Common Space Types:Classroom/Lecture/Training) 0.96 176 3-Breakroom (Common Space Types:Lounge/Breakroom) 0.62 4-Pharmacy (Healthcare Facility:Pharmacy) 5-Janitor Closet (Common Space Types:Stairwell) 0.58 6-Produce Prep (Common Space Types:Food Preparation) 2530 7-Kitchen/Food Prep (Common Space Types:Food Preparation) 8-Front End (Common Space Types:Lobby - General) 9-Offices (Common Space Types:Office - Enclosed) 10-Vestibule (Common Space Types:Lobby - General) 11-Elec Room (Common Space Types:Electrical/Mechanical) 0.43 12-Stockroom (Warehouse Storage:Medium/Bulky/Pallet Material) 0.35 13-Hallway (Common Space Types:Stairwell) 0.58 14-DSD (Common Space Types:Office - Enclosed) 0.93 116

15-Restrooms (Common Space Types:Restrooms) 0.85 Proposed Interior Lighting Power # of Fixture (C X D) Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast Fixture Fixtures Watt. Sales Area (Common Space Types:Sales Area 38186 sq.ft.) V: Other: H: Other: 23370 205 114 H2: Other: 114 2394 X: Other: T: Other: Training Room (Common Space Types:Classroom/Lecture/Training 183 sq.ft.) Breakroom (Common Space Types:Lounge/Breakroom 586 sq.ft.) D: Other: V: Other: Pharmacy (Healthcare Facility:Pharmacy 598 sq.ft.)

Report date:02/09/24 Data filename:P:\Brookshires\Tahlequah, OK Reasor's (2001 South Muskogee)-BGC.37948.RR\Design Page 2 of 9 Files\Electrical\Tahlequah, OK.cck

Comments/Assumptions

Requirement will be met.

Exception: Requirement does not apply.

Exception: Requirement does not apply.

Complies?

☐Not Observable

∐Does Not

□Does Not

☐Not Observable

☐Not Observable

☐Not Applicable

☐Not Observable

□Not Applicable

☐Not Observable

□Not Applicable

■Not Observable

☐Not Applicable

□Not Applicable

□Does Not

☐Not Observable

□Not Applicable

Complies

□Does Not

□Complies

□Does Not

□Complies

□Does Not

□Does Not

	-	Total Propos	ed Watts =	45551
B: Other:	1	3	35	104
V: Other:	1	4	14	57
CC: Other:	1	6	37	223
estrooms (Common Space Types:Restrooms 553 sq.ft.)				
D: Other:	1	4	38	152
SD (Common Space Types:Office - Enclosed 125 sq.ft.)				
D: Other:	1	3	38	114
allway (Common Space Types:Stairwell 135 sq.ft.)				
A1: Other:	1	25	66	1648
V: Other:	1	1	14	14
L: Other:	1	2	250	500
X: Other:	1	3	4	13
tockroom (Warehouse Storage:Medium/Bulky/Pallet Material 6689 sq.ft.)				
A1: Other:	1	9	66	593
AA: Other:	1	3	42	127
V: Other:	1	2	14	28
lec Room (Common Space Types:Electrical/Mechanical 1210 sq.ft.)				
X: Other:	1	2	4	9
D: Other:	1	20	38	760
estibule (Common Space Types:Lobby - General 1432 sq.ft.)				
D: Other:	1	20	38	760
V: Other:	1	3	14	43
ffices (Common Space Types:Office - Enclosed 859 sq.ft.)				
D: Other:	1	82	38	3116
X: Other:	1	2	4	9
	•	•		

Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast

Janitor Closet (Common Space Types:Stairwell 24 sq.ft.)

Produce Prep (Common Space Types:Food Preparation 2387 sq.ft.)

Kitchen/Food Prep (Common Space Types:Food Preparation 7973 sq.ft.)

Front End (Common Space Types:Lobby - General 4310 sq.ft.)

V: Other:

D: Other:

AA: Other:

X: Other:

L: Other:

A1: Other:

V: Other:

J: Other:

D: Other:

A3: Other:

AS1: Other:

AS1: Other:

A1: Other:

J: Other:

V: Other:

X: Other:

D: Other:

M: Other:

for the same area is detected.

C405.2.2. sensors controls and functions detailed in sections C406.2.2.1 and C405.2.2.2.

C405.2.2, Each area not served by occupancy

A3: Other:

Lamps/ # of Fixture (C X D)

1 1 42 42

14 38

80 38

5 90

1 4 14 57

38

250

66

2 92 184

18

92

66

14

35 18 630

14 28

Fixture Fixtures Watt.

18

Report date:02/09/24 Data filename:P:\Brookshires\Tahlequah, OK Reasor's (2001 South Muskogee)-BGC.37948.RR\Design Page 3 of 9 Files\Electrical\Tahlequah, OK.cck

Project Title:	Report date:02/09/	/24	
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Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the

building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting

systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any

11/11/2024

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Interior Lighting Compliance Statement

John Ferguson

Name - Title

applicable mandatory requirements listed in the Inspection Checklist.

Rough-In Electrical Inspection	Complies?	Comments/Assumptions	Section # & Reg.ID	Final Inspection	Complies?	Comments/Assumptions
Spaces requirestrols have a manual control that allows the reduce the connected lighting to a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.	C303.3, C408.2.5. 2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms,	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	See the Interior Lighting fixture schedule for values.
warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	Complies	Poguirement will be met	C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are	☐ Compiles ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.	C408.2.5. 1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.			C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	Additiona	I Comments/Assumptions:		
	Spaces requirestrols have a manual control that allows the corpupant to reduce the connected lighting fourtion a reasonably uniform illumination pattern >= 50 percent. Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces. Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone	Spaces requirest ols have a manual control that allows the orgunant to reduce the connected lighting following a reasonably uniform illumination pattern >= 50 percent. Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces. Occupancy sensors control function in warehouses: In warehouses, the lighting in ailseways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting beyond the aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone	Compiles Compiles	Spaces reveloping have a manual control that allows fires explicitly to explore the control that allows fires explicitly to the control that allows fires explicitly to explore the control that allows fires explicitly to the control that allows fires explicitly to explore the control that allows fires explicitly that the control that the sales way being control to be sensor control to in open office spaces are unoccupied. The occupant sensors explain the asisteway being control to be sensor control to in open office spaces are unoccupied. The occupant sensors control that the asisteway being control to be sensor control to in open office spaces are unoccupied. The occupant sensors control that the asisteway being control to be sensor. Complies control that the control that the control contr	Sough in Electrical Inspection In Electrical Inspection Sough in Electrical Inspection Sough in Electrical Inspection In Electrical Inspection Sough in Electrical Inspection In Electrical Inspection Sough in Electrical Inspection In E	Sought Feature of Treatment of Management (Compiles Compiles Feature) (Compiles Feature) (Compiles Compiles Feature) (Compiles Compiles Feature) (Compiles Compiles Feature) (Compiles Compiles Feature) (Compiles Feature) (Compiles Compiles Feature) (Compiles Feature) (Compiles Compiles Feature) (Compiles Feature) (Compiles Compiles Feature) (Compiles Compiles Feature) (Compiles Compiles Feature) (Compiles Compiles Feature) (Compiles Feature)

	1High Impact (Tier 1)	2Medium Impact (Tier 2)	3Low Impact (Tier 3)			
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Complies

☐Not Applicable

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Report date:02/09/24

Comments/Assumptions

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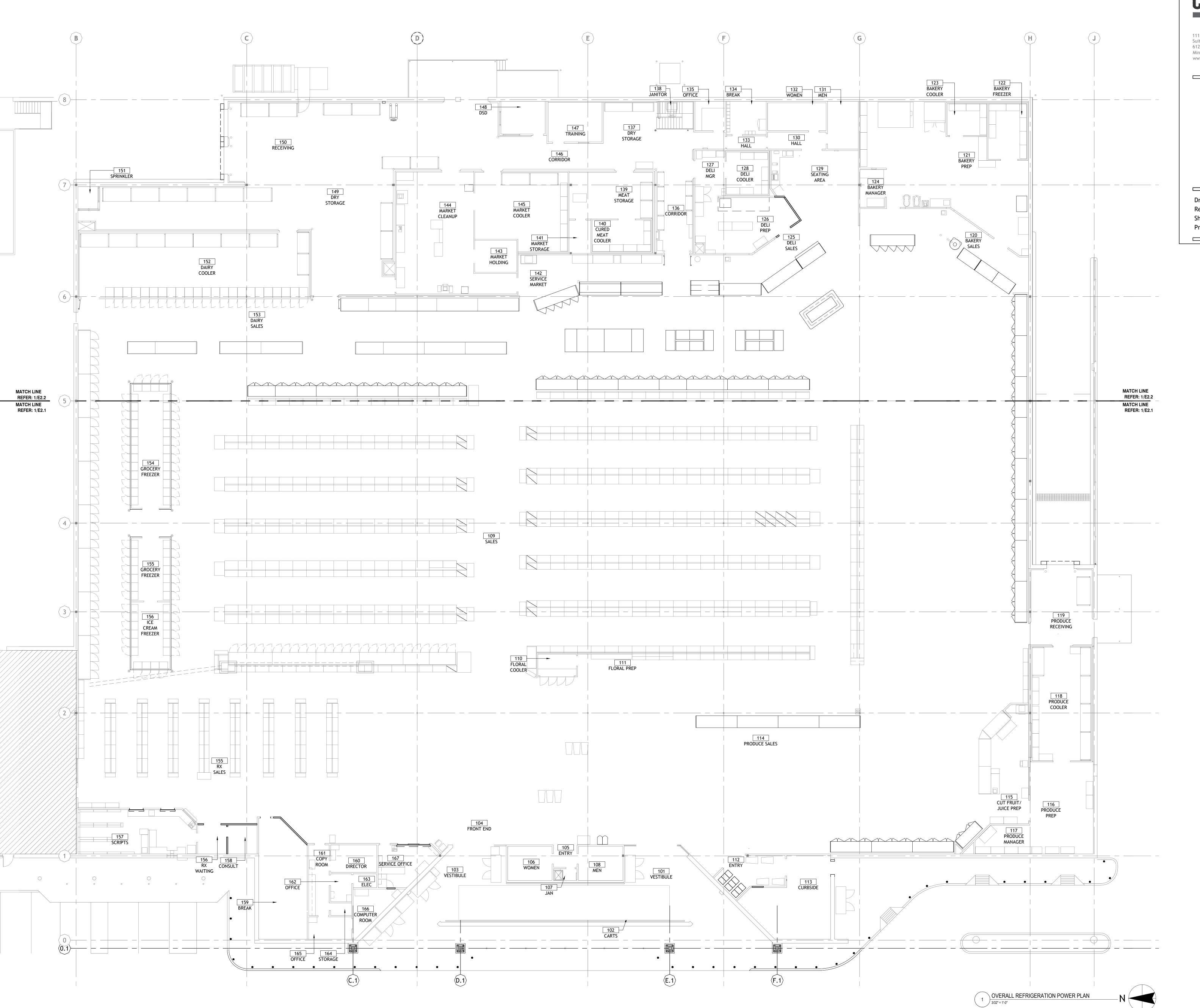
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ENERGY CALCULATIONS

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DATE 09/23
PROJECT NO. **4090200-0**





111 3rd Avenue S Suite 400 612.547.1300 Minneapolis, MN 55401 www.core-states.com



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Reviewed: JEG
Sheet Date: 02-24-2024
Proj. Number: BGC.37948.RR

BROOKSHI GROCERY COMP

430 E. Front St. Tyler, TX 75702 903-579-0500

> #905 FOILAH OK

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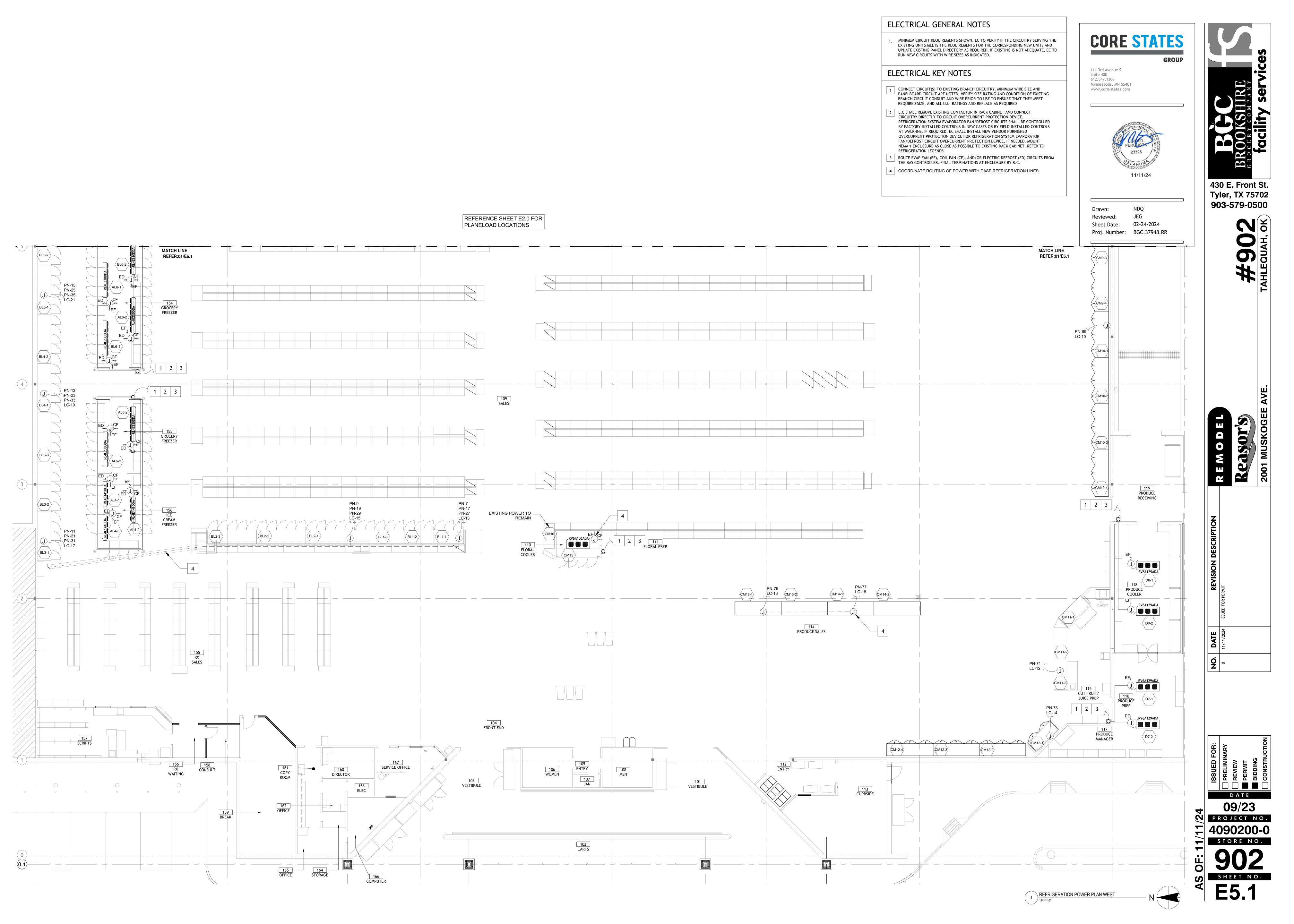
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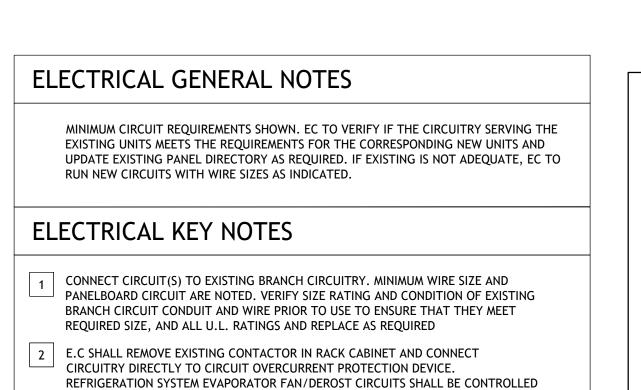
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CONSTRUCTION

09/23
PROJECT NO.
4090200-0
STORE NO.

902 SHEET NO. E5.0





BY FACTORY INSTALLED CONTROLS IN NEW CASES OR BY FIELD INSTALLED CONTROLS

ROUTE EVAP FAN (EF), COIL FAN (CF), AND/OR ELECTRIC DEFROST (ED) CIRCUITS FROM

AT WALK-INS. IF REQUIRED, EC. SHALL INSTALL NEW VENDOR FURNISHED OVERCURRENT PROTECTION DEVICE FOR REFRIGERATION SYSTEM EVAPORATOR FAN/DEFROST CIRCUIT OVERCURRENT PROTECTION DEVICE, IF NEEDED. MOUNT NEMA 1 ENCLOSURE AS CLOSE AS POSSIBLE TO EXISTING RACK CABINET. REFER TO

THE BAS CONTROLLER. FINAL TERMINATIONS AT ENCLOSURE BY R.C.

4 COORDINATE ROUTING OF POWER WITH CASE REFRIGERATION LINES.

REFRIGERATION LEGENDS

GROUP

111 3rd Avenue S

Suite 400 612.547.1300 Minneapolis, MN 55401 www.core-states.com



NDQ Drawn: JEG Reviewed: Sheet Date: 02-24-2024 Proj. Number: BGC.37948.RR

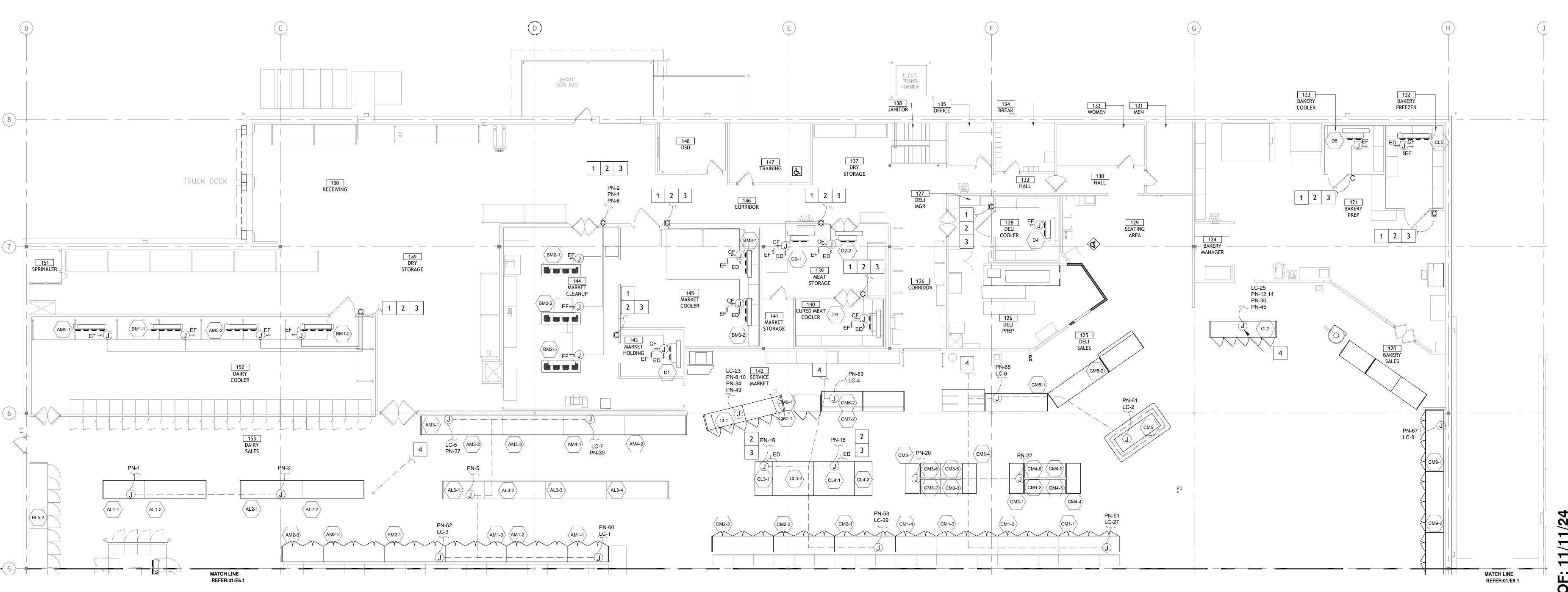
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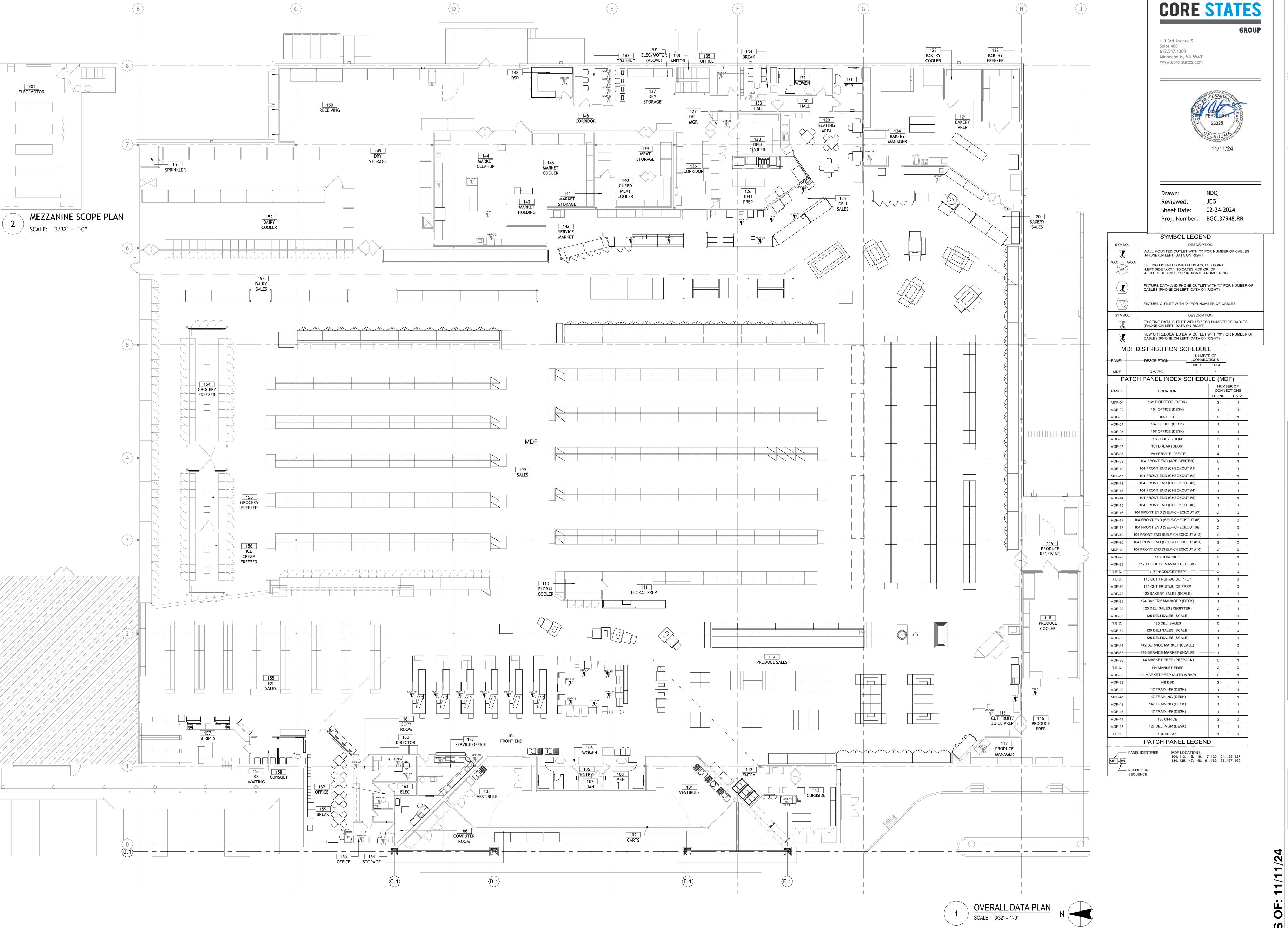
09/23
PROJECT NO. **=** 4090200-0

STORE NO.

902 SHEET NO. E5.2



REFERENCE SHEET E2.0 FOR PLANELOAD LOCATIONS



BROOKSHIRE GROCERY COMPANY facility services

> 430 E. Front St. Tyler, TX 75702 903-579-0500

> > 706#

SOLS

:RMIT

11/11/2024 SSUED FOR

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| REVIEW
| PERMIT
| BIDDING

DATE
09/23
PROJECT NO.
4090200-0
STORE NO.

90 SHEET F7 BROOKSHIRE'S GROCERY COMPANY IS REQUESTING PROPOSALS FOR NEW STRUCTURED CABLING INFRASTRUCTURE TO BE INSTALLED AT OUT FACILITY BROOKSHIRE'S #902 TAHLEQUAH,OK

THE PROJECT IS TO PROVIDE VOICE/DATA CABLING INFRASTRUCTURE TO NEW LOCATION.

CONTRACTORS QUALIFICATIONS AND REQUIREMENTS A. CONTRACTOR SHALL DESIGN AND PROVIDE ALL MATERIALS TO INSTALL A COMPLETE STRUCTURE CABLING SOLUTION SUPPORTING VOICE AND DATA. THE CONTRACTOR SHALL BE

RESPONSIBLE FOR PROVIDING A COMMUNICATIONS INFRASTRUCTURE COMPLIANT TO CURRENT STANDARDS; INCLUDING THE PROCUREMENT OF PRODUCTS, INSTALL OF CABLING INFRASTRUCTURE, CABLE PATHWAYS AS NEEDED, FIRE STOPPING, VERIFICATION OF PERFORMANCE AND DOCUMENTATION.

B. THE CONTRACTOR MUST BE CERTIFIED BY ALL MANUFACTURES OF ANY CABLING SOLUTIONS

- THAT WILL BE INSTALLED. C. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES AND PERMITS REQUIRED TO ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK IN THE PROPOSAL. THE
- CONTRACTOR SHALL ARRANGE FOR ANY REQUIRED INSPECTION. D. CONTRACTOR SHALL VISIT THE WORK SITE BEFORE PROPOSAL WILL BE ACCEPTED. NO
- ALLOWANCE SHALL BE MADE TO THE CONTRACTOR FOR ANY EXTRA EXPENSES, DUE TO FAILURE OR NEGLECT TO DISCOVER UNFORESEEN CONDITIONS AFFECTING THE WORK. E. CONTRACTOR EMPLOYEES SHALL ACT IN A PROFESSIONAL MANNER AND DRESS APPROPRIATELY FOR THE TASK. NO PERSON SHALL BRING ALCOHOLIC BEVERAGES, CONTROLLED SUBSTANCE, FIREARMS, OR ANIMALS TO THE JOB SITE. UNACCEPTABLE ATTIRE INCLUDES BUT NOT LIMITED TO TANK TOPS, SHORTS, OBSCENE TATTOOS, OFFENSIVE WORDING
- ON CLOTHING, OR TATTERED CLOTHING. F. CONTRACTOR SHALL CLEAR THE WORK AREA AFTER EACH SHIFT. IF AVAILABLE SPACE EXISTS, CONTRACTOR EQUIPMENT AND MATERIALS MAY BE STORED AT THE FACILITY WITH APPROVAL OF THE OWNER. ALL PACKING MATERIAL SHALL BE DISPOSED OF AT THE END OF EACH DAY. THE OWNER WILL NOT BE RESPONSIBLE FOR LOSS, THEFT OR DAMAGE OF ANY EQUIPMENT OR
- G. CONTRACTOR SHALL FOLLOW THE SECURITY POLICIES AND PROCEDURES DEFINED BY THE OWNER. THIS MAY INCLUDE PROVIDING KEY ACCESS, CREATING ACCESS BADGES AND ESCORTS IN RESTRICTED AREAS.
- H. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING STRUCTURES AND FURNITURE. ANY ITEMS THAT ARE DAMAGED DURING THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- I. CONTRACTOR SHALL PROVIDE SCISSOR LIFT DIAPER TO CONTAIN HYDRAULIC OIL OR OTHER FLUID LEAKAGE OR SPILLS. J. OWNER WILL PROVIDE THE CONTRACTOR WITH REASONABLE ACCESS TO THE JOB SITE. THE
- OWNER MUST APPROVE ANY WORK THAT REQUIRES ACCESS OUTSIDE SET TIME PARAMETERS. K. CONTRACTOR WILL PROVIDE A PROJECT PLAN. THIS PLAN SHALL IDENTIFY TASKS, TIMELESS AND COMPLETION DATE. THE PROJECT PLAN SHALL CONTAIN UNIT COSTS FOR ALL MATERIAL AND A SCHEDULE OF VALUES FOR LABOR ACTIVITIES. THE PLAN MUST INCLUDE A UNIT COST FOR ADDITIONAL TYPICAL VOICE/DATA OUTLETS IF ADDED PRIOR TO CABLE BEING PULLED. ANY CHANGES TO THE DEFINED SCHEDULE SHALL BE EMAILED TO THE OWNER.
- . CONTRACTOR SHALL ASSIGN A PROJECT MANAGER. THE PROJECT MANAGER SHALL EMAIL A WEEKLY PROGRESS REPORT TO THE OWNER PROJECT TEAM MEMBERS EVERY THURSDAY OF EACH WEEK. A CENTRAL OFF-HOURS EMERGENCY CONTACT NUMBER SHALL BE AVAILABLE FOR EVENING AND WEEKENDS.
- M. CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS TO ENSURE A SAFE WORK ENVIRONMENT FOR EMPLOYEES, CONTRACTORS, AND VISITORS.
- N. CONTRACTOR WILL MAKE A REASONABLE EFFORT TO NOT BE DISRUPTIVE TO OTHER CONTRACTORS OR WORKING STAFF AT THE JOB SITE. O. CONTRACTOR WILL INSTALL ONLY MATERIAL THAT IS NEW AND UNDAMAGED. REFURBISHED OR
- USED MATERIALS ARE NOT ACCEPTABLE. P. OWNER EXPECTS THE WORKMANSHIP TO BE OF HIGH QUALITY. ALL EQUIPMENT SHALL BE
- PLUMB AND TRUE WITH THE STRUCTURE. ALL MATERIALS SHALL BE FIRMLY SECURED IN PLACE, ADEQUATELY SUPPORTED AND PERMANENT.
- Q. OWNER WILL CONSIDER THE PROJECT COMPLETE WHEN ALL WORK HAS BEEN COMPLETED THE FINAL DOCUMENTATION DELIVERED AND THE WORKSITE HAS BEEN CLEANED TO THE OWNER'S
- R. CONTRACTOR AGREES TO REPLACE OR REPAIR AS NEW ANY DEFECTIVE WORK OR MATERIALS
- WHICH ARE IDENTIFIED BY THE OWNER WITHIN 1 YEAR OF FINAL PAYMENT. S. INSURANCE REQUIREMENTS PER THE CONTRACTOR POCKET.

CODES, STANDARDS, AND BEST PRACTICES

- A. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, STANDARDS, AND BEST PRACTICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ACCESS TO EACH DOCUMENT. IN THE CASE THAT ONE OF THE FOLLOWING DOCUMENTS HAS A RATIFIED UPDATE OR ADDENDUM; IT SHALL BE INCORPORATED INTO THIS SCOPE OF WORK. IF MULTIPLE DOCUMENTS PROVIDE DIFFERENT REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL BE FOLLOWED. NOT ALL DOCUMENTS MAY APPLY TO THIS PROJECT.
- I. ANSI/TIA/EIA 568—B.1 TELECOMMUNICATIONS CABLING STANDARDS, PART 1:
- GENERAL REQUIREMENTS (INCLUDING ALL LATEST) II. ANSI/TIA/EIA — 568—B.2 — TELECOMMUNICATIONS CABLING STANDARD, PART 2:
- BALANCED TWISTED PAIR CABLING COMPONETS III. ANSI/TIA/EIA - 568-B.3 - TELECOMMUNICATIONS CABLING STANDARD, PART 3:
- OPTICAL FIBER CABLING COMPONENTS STANDARD IV. ANSI/TIA/EIA - 526-7 - MEASUREMENT OF OPTICAL POWER LOSS OF INSTALLED
- SINGLE MODE FIBER CABLE PLANT V. ANSI/TIA/EIA — MEASUREMENT OF OPTICAL POWER LOSS OF INSTALLED MULTIMODE FIBER CABLE PLANT
- VI. ANSI/TIA/EIA 569—A PATHWAY AND SPACES
- VII. ANSI/TIA/EIA 606—A ADMINISTRATION STANDARD FOR THE BUILDING (LABELING IDENTIFIERS WILL BE PROVIDED BY OWNER, IF REQUIRED)
- IX. ANSI/TIA/EIA 942 TELECOMMUNICATION INFRASTRUCTURE STANDARDS FOR DATA CENTERS
- X. BICSI TELECOMMUNICATION DISTRIBUTION METHODS MANUAL (LATEST ADDITION) XI. BICSI - CABLING INSTALLATION MANUAL (LATEST VERSION)

XIV. ALL FEDERAL, STATE, AND LOCAL CODES

- XII. ADA AMERICAN WITH DISABILITIES ACT XIII.ISO/IEC 11801 - GENERIC CABLING FOR CUSTOMER PREMISE STANDARD (INCLUDING ALL THE LATEST AMENDMENTS AND APPLICABLE ADDENDA)
- VIII.ANSI/TIA/EIA 606-A COMMERCIAL BUILDING GROUNDING/BONDING REQUIRMENTS
 - c. INSTALLATION OF WIRE MOLD MAYBE REQUIRED TO ESTABLISH PATHWAYS TO SOME LOCATIONS; I.E. SCALES.

1. MDF --- LOCATED WITHIN THE NOTED COMPUTER ROOM LOCATION.

h. TERMINATE 12-STRAND FIBER USING LC STYLE CONNECTOR.

b. INSTALL WALL MOUNTED CABINET ON PROVIDED PLYWOOD BACKBOARD.

WRAPS SHALL BE USED.

SHALL BE USED.

INCLUDE, BUT

SCALES, PHONE

2. IDF --- LOCATED PER BUILDING PRINTS. a. INSTALL 3/4" PLYWOOD BACKBOARD.

d. INSTALL (1) 48 PORT PATCH PANELS.

e. INSTALL (1) 1U WIRE MANAGEMENT.

f. INSTALL (1) 2U WIRE MANAGEMENT.

INSTALLED DURING ROUGH-IN.

HOUSING OR FACE PLATE.

c. INSTALL FAN KIT IN EACH CABINET INSTALLED.

a. INSTALL 7' FREESTANDING 19" LAN RACKING WITH VERTICAL MANAGEMENT BETWEEN EACH

c. ONLY VELCRO STRAPPING WILL BE ACCEPTABLE IN THE AREAS OF THE MDF, NO NYLON TIE

b. SECURE RACKING TO WALL WITH 12" REQUIRED CABLE LADDER, ONE FOR EACH RACK.

g. INSTALL (1) 1U RACK MOUNTED FIBER ENCLOSURE W/ 6-POSTION ADAPTER PLATE.

i. ONLY VELCRO STRAPPING WILL BE ACCEPTABLE IN IDF LOCATION, NO NYLON TIE WRAPS

j. INSTALL AND TERMINATE (3) CATEGORY 5E CABLING BETWEEN MDF AND IDF LOCATION.

k. INSTALL CONDUIT FROM FLOOR OR OVERHEAD TO MATCH SIZE OF EXISTING CONDUIT

3.WORKSTATION --- THESE ARE DEFINED IN DIFFERENT AREAS THROUGHOUT THE LOCATION AND

NOT LIMITED TO POS CHECKSTANDS, KIOSKS, SERVICES CENTER, CASH OFFICE, PHARMACY,

a. TERMINATE CATEGORY 5E CABLE ON CATEGORY 5E JACK AND INSTALL IN DEFINED

b. ROUTE CABLING AND SECURE USING SELECTED TYPE J-HOOKS, ESTABLISHED PATHWAYS

- d. A PULL STRING IS TO BE PLACED IN ALL ESTABLISHED PATHWAYS FOR FUTURE USE.
- 4.SECURITY / ARUBA WIFI AP a. TERMINATE CATEGORY 5E CABLE ON RJ45 CRIMP STYLE MALE CONNECTOR LEAVING 10' SERVICE LOOP AT EACH TERMINATION.
- b. SEAL ANY EXTERIOR OR COOLER PANEL WALL PENETRATIONS WITH APPROVED SEALANT. c. INSTALLATION OF UP TO (20) AP UNITS INCLUDING (5) OUTDOOR UNIT. 5. MECHANICAL --- EQUIPMENT DEFINED AS LIGHTING, REFRIGERATION, AIR CONDITIONING
- a. TERMINATE CATEGORY 5E CABLE ON CATEGORY 5E JACK AND INSTALL IN DEFINED HOUSING OR FACE PLATE. 6.TELECOMMUNICATION a. TERMINATE 25 PAIR CABLING AT ALL PHONE BOARDS; FUEL STATION KIOSK, COMPUTER
- ROOM AND ELECTRICAL ROOM. b. TERMINATE AND LABEL REQUIRED CABLING PER PRINT LOCATIONS.
- c. CATEGORY 3 CABLE FOR CASH OFFICE AND SERVICE CENTER. d. TERMINATE AND LABEL (4) CATEGORY 5E CABLES AT MDF AND DMARC
- e. (6) STRAND FIBER FROM MDF TO DMARC

II. <u>DOCUMENTATION</u>

- A. PERFORMANCE TEST RESULTS
- I. CONTRACTOR SHALL PROVIDE TESTER GENERATED DOCUM ENTATION FOR THE VOICE, DATA CONNECTIONS AND FIBER OPTIC CABLING.
- II. THE RESULTS SHALL BE PROVIDED IN HARD AND SOFT FORMATS. B. SITE DOCUMENTATION
- I. AS-BUILT DRAWING SHALL BE PROVIDED IDENTIFYING THE LOCATION OF DATA AND VOICE CONNECTIONS, CABLE PATHWAYS AND INSTALLED FIRESTOP.
- II. THE DIAGRAMS SHALL BE IN HARD COPY AND SOFT COPY FORMATS III. OWNER WILL SUPPLY CONTRACTOR WITH CABLE INDEXING. INDEX WILL ALSO BE NOTED IN
- DETAIL ON SUPPLIED BUILDING PRINTS.

III. PRODUCT REQUIREMENTS

- A. MDF I. (1) 7' DUAL EQUIPMENT RACK --- # OR-19-84-T4SDA2132
- II. (2) VENTED ADJUSTABLE SHELF --- # OR-ESV-19-FDR2732 III. (2) 7' EQUIPMENT RACK 19" --- HUBBELL # HPW84RR19 OR EQUIVALENT
- IV. (4) 7' VERTICAL ORGANIZERS --- ORTRONICS # MM6VMS704
- V. (5) HORIZONTAL POWER STRIPS --- HUBBELL # MCCPSS19 OR EQUIVALENT VI. (4) EQUIPMENT SHELF, CENTER-WEIGHTED --- HUBBELL # MCCCWS19 OR EQUIVALENT VII. (2) EQUIPMENT SHELF, HEAVY DUTY --- HUBBELL # MCCCWS19HD OR EQUIVALENT
- VIII. (1) 6' X 12" LADDER RACK --- HUBBELL # HLS1012B OR EQUIVALENT IX. (2) MOUNTING KIT TO RELAY RACK --- HUBBELL # HLMPK19 OR EQUIVALENT
- X. (2) WALL ANGLE SUPPORT --- HUBBELL # HLX0612 OR EQUIVALENT XI. (2) J-BOLT KIT --- HUBBELL # HLJB OR EQUIVALENT
- XII. (1) 1RU FIBER ENCLOSURE --- LEVITON # 5R1UL-F03 OR EQUIVALENT XIII. (42) LC MULTIMODE 62.5 FIBER CONNECTORS --- BELDEN # AX104240-B25
- XIV. (1) 24 PORT PATCH PANEL --- LEVITON #49256-H24 XV. (2) 48 PORT PATCH PANEL --- LEVITON # 49256-D48
- XVI. (3) BLACK 6-PACK BULKHEADS WITH LC DUPLEX ADAPTERS LEVITON #5F100-2EL

SCALE: NOT TO SCALE

- B. TELCO BOARD (COMPUTER ROOM TO DMARC LOCATION)
- I. (3) SLIT M BLOCK / 50 PAIR --- LEVITON #40066-M50 OR EQUIVALENT II. (3) STAND-OFF BRACKET FOR M BLOCK --- LEVITON # 40089-B OR EQUIVALENT III. (6) LC MULTIMODE 62.5 FIBER CONNECTORS --- BELDEN # AX104240-B25 IV. (1) WALL MOUNT FIBER ENCLOSURE - TBD
- I. (1) 24" WALL MOUNT CABINET --- HUBBELL # HSQ2426 OR EQUIVALENT II. (1) HORIZONTAL POWER STRIP --- HUBBELL # MCCPSS19 OR EQUIVALENT III. (1) 48 PORT PATCH PANEL --- LEVITON # 49255D48 IV. (1) 1U HORIZONTAL CABLE MANAGEMENT --- HUBBELL # HC119CE3P OR EQUIVALENT V. (1) 2U HORIZONTAL CABLE MANAGEMENT --- 492RU-HFO VI. (1) 1RU FIBER ENCLOSURE --- LEVITON # 5R1UL-F03 OR EQUIVALENT VII. (12) LC MULTIMODE 62.5 FIBER CONNECTORS --- BELDEN # AX104240-B25 VIII. (2) SDX BLANK PLATE --- LEVITON # 5F100-PLT
- I. DATA CATEGORY 5E CONNECTOR (BLUE) --- LEVITON # 5G108-RL II. 2-PORT SURFACE MOUNT HOUSING --- LEVITON # 41089-2WP III. 4-PORT SURFACE MOUNT HOUSING --- LEVITON # 41089-4WP IV. 6-PORT SURFACE MOUNT HOUSING --- LEVITON # 41089-6WP V. SINGLE GANG 2-PORT WALLPLATE --- LEVITON # 41080-2WP VI. SINGLE GANG 4-PORT WALLPLATE --- LEVITON # 41080-4WP VII. STAINLESS STEEL WALLPHONE WALLPLATE --- LEVITON # 4108W-1SP VIII. 1" WIREMOLD RACEWAY OR EQUIVALENT IX. WEATHERPROOF CATEGORY 5E JACK --- LEVITON # D675E-E X. WEATHERPROOF STAINLESS STEEL WALL PLATE --- LEVITON D6710-1S1 XI. 7' WEATHERPROOF PATCH CORD --- LEVITON # D6721-7E XII. 15' WEATHERPROOF PATCH CORD --- LEVITON # D6721-15E
- I. 1-PORT SURFACE MOUNT HOUSING --- LEVITON # 41089-1WP
- G. CABLING
- TO MATCH OR BLEND WITH BUILDING STRUCTURE II. 12 STRAND FIBER 62.5 MM W/ AMOUR (ORANGE) --- OCC # DX012KWLS90P16 OR EQUIVALENT III. 6 STRAND FIBER 62.5 MM W/ AMOUR (ORANGE) --- OCC # DX006KWLS90P16 OR EQUIVALENT IV. 25 PAIR CATEGORY 3 PLENUM --- GENERAL CABLE # 2131505 OR EQUIVALENT V. 25 PAIR DIRECT BURIAL (FUEL STATION KIOSK) --- GENERAL CABLE # 7525785 OR EQUIVALENT VI. CATEGORY 3 PLENUM --- GENERAL CABLE # 2131313 OR EQUIVALENT

V. (6) LC MULTIMODE 62.5 FIBER CONNECTORS - TBD

IX. (1) BLACK 6-PACK BULKHEADS WITH LC DUPLEX ADAPTERS LEVITON #5F100-2EL X. (1) FAN KIT --- HUBBELL # HWF120

F. WORKSTATIONS

E. SECURITY --- CAMERAS / EAS SYSTEM

I. SECURITY - CATEGORY 5E RJ45 CRIMP CONNECTOR SOLID --- CNE #16127 OR EQUIVALENT

I. CATEGORY 5E NON-BONDED-PAIR PLENUM --- BELDEN #1585A OR EQUIVALENT --- CABLE COLOR

VII. 18 AWG 6 CONDUCTOR STRANDED OUTDOOR RATED HW150 01806 18GA 6C

111 3rd Avenue S Suite 400 612.547.1300

Drawn:

Reviewed:

Sheet Date:

Minneapolis, MN 55401 www.core-states.com

NDQ

JEG

Proj. Number: BGC.37948.RR

02-24-2024

430 E. Front St. **Tyler, TX 75702**

903-579-0500

09/23 PROJECT NO. **= 4090200-0**

PROTECTION CRITERIA LEGEND BASED ON 2016 NFPA 13

OCCUPANCY CLASSIFICATION	DENSITY	HOSE ALLOWANCE (GPM)	MAXIMUM SPRINKLER SPACING (SQ FT)	DESIGN BASIS
OFFICES/RESTROOMS/BREAK ROOM/VESTIBULE	0.10/1500 SQ FT	100	225	LIGHT HAZARD, 13: 11.2.3.1.1 , FIGURE 11.2.3.1.1 AND TABLE 11.2.3.1.2
STOREFRONT	0.20/ENTIRE AREA	250	130	ORDINARY HAZARD GROUP 2 (NO STORAGE); 13:11.2.3.1.1 AND TABLE 11.2.3.1.2

GENERAL PIPING AND DEMOLITION NOTES

- CONTRACTOR MUST VISIT THE BUILDING TO DETERMINE THE FULL EXTENT OF THE EXISTING FIRE PROTECTION WORK AND EXISTING CONDITIONS, BECOME TOTALLY FAMILIAR WITH THE DISCONNECTIONS, REMOVALS, RELOCATIONS AND/OR RECONNECTIONS OF EXISTING FIRE PROTECTION EQUIPMENT REQUIRED, AND CONDITIONS IN THE PROPOSAL FOR THIS PROJECT. NO EXTRA COMPENSATION WILL BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR
- UNLESS NOTED OTHERWISE, DISCONNECT AND REMOVE ALL EXISTING FIRE PROTECTION COMPONENTS NOT INTENDED TO BE REUSED. REMOVE ALL DEMOLITION MATERIALS AND DEBRIS TO AN APPROVED DUMPING SITE AND CLEAN ALL FIRE PROTECTION WORK PRIOR TO PROJECT COMPLETION.
- PERFORM ALL WORK ACCORDING TO THE PROJECT PHASING SCHEDULE INFORMATION FOR THIS PROJECT. PROVIDE ALL NECESSARY FIRE PROTECTION WORK, TEMPORARY AND/OR OTHERWISE, AND USE WHATEVER MEANS NECESSARY, TO CONFORM TO THE REQUIRED CONSTRUCTION PHASING OF THE PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING ITEMS DAMAGED DURING DEMOLITION AND CONSTRUCTION.
- . CONTRACTOR SHALL PATCH ALL HOLES TO MATCH ADJACENT SURFACES LEFT UNUSED AFTER EXISTING SPRINKLER PIPING OR EQUIPMENT IS REMOVED AND VACATED FROM THESE HOLES.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING FIRE DEPARTMENT ACCESS ROADS THROUGHOUT THE PROJECT.
- SPRINKLER SYSTEMS NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE.
- . ALL WORK SHALL BE PERFORMED SO AS TO NOT INTERRUPT SERVICE. THE CONTRACTOR SHALL PROPERLY NOTIFY THE LANDLORD, THE LESSOR AND THE ADJACENT TENANTS A MINIMUM OF 48 HOURS IN ADVANCE BEFORE PROCEEDING WITH THIS WORK. ALL WORK SHALL BE SCHEDULED IN ADVANCE.
- O. ALL SYSTEMS TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH

GENERAL NOTES

- THE DESIGN SHOWN ON THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED TO PROVIDE GUIDANCE FOR BIDDING ONLY. THE CONTRACTOR SHALL SUBMIT FIRE SPRINKLER SHOP DRAWINGS FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION (AHJ). CONTRACTOR SHALL BASE SHOP DRAWING DESIGN ON THE FIRE PROTECTION DRAWINGS AND SPECIFICATIONS. SPRINKLER SYSTEM SHOP DRAWINGS SHALL INCLUDE ALL NECESSARY ELEVATIONS, HANGER LOCATIONS, PIPE LENGTHS, DIMENSIONS, FABRICATION METHODS, NOTES, MATERIAL DATA, AND ANY OTHER INFORMATION REQUIRED DESCRIBING THE INTENT OF THE INSTALLATION. CONTRACTOR SHALL PROVIDE PIPE SIZES, SPRINKLER SPACING, AND ALL SYSTEM CONFIGURATIONS AS SHOWN. ANY ALTERNATES TO THE DESIGN OF THE SYSTEM OR IN MATERIALS AND EQUIPMENT USED MUST BE APPROVED IN WRITING VIA THE REQUEST FOR INFORMATION PROCESS BY THE FIRE PROTECTION ENGINEER OF RECORD PRIOR TO ANY BIDDING, FABRICATION, OR INSTALLATION.
- CONTRACTOR SHALL COORDINATE LOCATIONS OF FIRE PROTECTION COMPONENTS INCLUDING PIPING, ALARMS, DRAINS, TEST POINTS, ETC. WITH ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS. OBSTRUCTIONS TO SPRINKLERS DISCHARGE MUST BE CONSIDERED DURING SHOP DRAWING PRODUCTION AND INSTALLATION. EXTRA SPRINKLERS MAY BE REQUIRED AT NO ADDITIONAL COST TO THE OWNER. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- SUBMIT A REQUEST FOR INFORMATION (RFI) FOR ALL QUESTIONS RELATED TO THE FIRE PROTECTION DOCUMENTS.
- NEUTRALIZATION/DEMISING WALLS, IF APPLICABLE, ARE SHOWN ON ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR NEUTRALIZATION WALL PENETRATIONS.
- SPRINKLER SYSTEMS WILL BE MONITORED BY AN OFF-SITE CENTRAL STATION, INCLUDING TAMPER SWITCHES ON ALL CONTROL VALVES AND FLOW SWITCHES.
- PENETRATIONS OF RATED WALLS OR ASSEMBLIES SHALL BE FIRE CAULKED WITH APPROVED CAULKING PER METHODS REQUIRED BY THE AHJ AND PROJECT SPECIFICATIONS.
- THE FIRE PROTECTION ENGINEER OF RECORD WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NOR SHALL THEY BE REQUIRED TO SUPERVISE THE CONDUCT OF THE WORK. THE CONSTRUCTION PROCEDURES AS SET FORTH BY THE GENERAL CONTRACTOR, SUBCONTRACTORS, THEIR RESPECTIVE EMPLOYEES OR ANY OTHER PERSON AT THE JOBSITE OTHER THAN THE ENGINEERING FIRM'S OWN EMPLOYEES.
- THE CONTRACTOR MUST REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BID. SHOULD MODIFICATION TO THESE PLANS BECOME NECESSARY TO PROPERLY COORDINATE THE SYSTEM WITH OTHER TRADES, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THESE CHANGES BY THE AHJ AND THE FIRE PROTECTION ENGINEER OF RECORD. IN ADDITION TO OBTAINING THE NECESSARY APPROVALS THE CONTRACTOR MUST MAKE NOTE OF ALL FIELD OR COORDINATION CHANGES ON THE INSTALLATION DRAWINGS. ONCE COMPLETE, THE CONTRACTOR SHALL SUPPLY ONE COPY OF THE AS-BUILT DRAWINGS TO THE FIRE PROTECTION ENGINEER OF RECORD
- WHEN SYSTEM PRESSURES EXCEED 100 PSI, REFER TO NFPA FOR MAXIMUM ARM OVER LENGTHS AND HANGING INSTRUCTIONS.

FOR THEIR USE..

0. PROVIDE A MINIMUM OF 10 PSI SAFETY FACTOR FOR HYDRAULIC CALCULATIONS OF SPRINKLER SYSTEMS. USE HIGHER SAFETY FACTOR WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

LANDLORD NOTES

- A.FIRE LINE: LANDLORD TO PROVIDE TENANT THE EXISTING SPRINKLER SYSTEM AND MAIN GRID WITH HEADS IN THE UPRIGHT POSITION THROUGHOUT THE PREMISES. TENANT TO MODIFY THE GRID AND HEADS TO COINCIDE WITH TENANT'S STORE LAY-OUT AS REQUIRED, BUT LANDLORD MUST SATISFY THE WATER DEMAND PER THE CRITERIA BELOW AND AS DEPICTED IN THE LANDLORD COORDINATION DRAWINGS. PROVIDE MINIMUM 8" DIAMETER FIRE MAIN. IN THE EVENT THE EXISTING FIRE MAIN AND RISER IS NOT AVAILABLE TO PROVIDE THE SPRINKLER DENSITIES AS NOTED WITHIN, LANDLORD SHALL HAVE THE OPTION TO UPSIZE THE EXISTING FIRE MAIN AND RISER OR PROVIDE AND INSTALL FIRE PUMP OUTSIDE OF TENANT'S PREMISES AND AS REQUIRED TO MEET TENANT'S REQUIREMENTS.
- B. BACKFLOW PREVENTER: IF THE EXISTING BACKFLOW PREVENTER NEEDS TO BE UPGRADED, AND WHEN ABOVE GROUND BACKFLOW DEVICE IS LOCATED WITHIN THE REI ACQUIRED TENANT SPACE, A MEANS OF TESTING THE BACKFLOW DEVICE SHALL BE PROVIDED PER THE FOLLOWING:
- PROVIDE A NORMALLY CLOSED ISOLATION BUTTERFLY VALVE WITH PIPING DISCHARGING TO THE EXTERIOR OF THE BUILDING AT APPROXIMATELY 1-FT OF FINISHED EXTERIOR GRADE. PROVIDE A 45-DEGREE ELBOW ON EXTERIOR PIPE OF BACKFLOW
- DISCHARGE, TO MINIMIZE POTENTIAL DAMAGE TO EXTERIOR GRADE DURING TESTING OF BACKFLOW DEVICE. 3. THE ISOLATION VALVE AND DISCHARGE PIPING SHALL BE ON THE SAME SIZE AS THE BACKFLOW DEVICE, NO EXCEPTIONS. PROVIDE A GALVANIZED STEEL SCREEN WELD ON ENDS ON THE
- DISCHARGE OUTLET FOR VERMIN CONTROL. ALL PIPING PENETRATIONS/PIPING THROUGH AND PAST THE WALL. REGARDLESS OF PIPING SIZE SHALL BE GALVANIZED OR OTHER MEANS PROVIDED FOR CORROSION RESISTANCE AND/OR
- PROTECTION FROM THE ELEMENTS. C.PROVIDE THE EXISTING SPRINKLER SYSTEM IN COMPLIANCE WITH SIZE AND USE OF BUILDING PER APPLICABLE CODES AND LOCAL AUTHORITY HAVING JURISDICTION. ANY ADDITIONAL MODIFICATIONS OUTSIDE THE PREMISES NECESSARY PER TENANT'S PLAN. DESIGNER OF RECORD. CURRENT NFPA REQUIREMENTS AND TENANT'S DENSITY REQUIREMENTS SHALL BE PROVIDED BY LANDLORD AT LANDLORD'S EXPENSE. TENANT HAS NO RESPONSIBILITY TO MODIFY SPRINKLER SYSTEM OUTSIDE THE
- DESIGN SHOULD BE IN COMPLETE ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING NFPA STANDARDS: i.NFPA 13 "STANDARD FOR THE INSTALLATION OF SPRINKLER

SYSTEMS" AND NYS BUILDING CODE.

- ii. NFPA 20 "STANDARD FOR THE INSTALLATION OF CENTRIFUGAL FIRE PUMPS" iii. NFPA 24" STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES" iv. NFPA 25 "STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS' v. NFPA 291 "RECOMMENDED PRACTICE FOR FIRE FLOW TESTING AND MARKING OF HYDRANTS"
- A.PROVIDE THE EXISTING SPRINKLER SYSTEM IN COMPLIANCE WITH SIZE AND USE OF BUILDING PER APPLICABLE CODES AND LOCAL AUTHORITY HAVING JURISDICTION. ANY ADDITIONAL MODIFICATIONS OUTSIDE THE PREMISES NECESSARY PER TENANT'S PLAN. DESIGNER OF RECORD. CURRENT NFPA REQUIREMENTS AND TENANT'S DENSITY REQUIREMENTS SHALL BE PROVIDED BY LANDLORD AT LANDLORD'S EXPENSE. TENANT HAS NO RESPONSIBILITY TO MODIFY SPRINKLER SYSTEM OUTSIDE THE PREMISES.
- DESIGN SHOULD BE IN COMPLETE ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING NFPA STANDARDS: i.NFPA 13 "STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS" AND NYS BUILDING CODE. ii. NFPA 20 "STANDARD FOR THE INSTALLATION OF
- CENTRIFUGAL FIRE PUMPS" iii. NFPA 24" STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES" iv. NFPA 25 "STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS' v. NFPA 291 "RECOMMENDED PRACTICE FOR FIRE FLOW TESTING AND MARKING OF HYDRANTS"
- 2. ALL EQUIPMENT AND MATERIALS USED IN THE FIRE PROTECTION INSTALLATION SHOULD BE UL LISTED OR FACTORY MUTUAL APPROVED FOR THE SPECIFIC PURPOSE INTENDED. **B. DESIGN CRITERIA**
- 2. SAFETY FACTOR: ALL FLOW TEST DATA SHALL BE SUBJECT TO THE "10% RULE" AS DEFINED IN THIS PARAGRAPH. REDUCE THE RECORDED STATIC AND RESIDUAL PRESSURES BY 10% OF THE STATIC PRESSURE. MAKE NO REDUCTION TO THE FLOW RATE REPORTED. WHEN STATIC PRESSURE IS 50-PSI OR LESS, PROVIDE A MINIMUM 5-PSI BUFFER FROM THE STATIC AND RESIDUAL PRESSURES. WHEN STATIC PRESSURE IS 100-PSI OR GREATER, PROVIDE A MAXIMUM OF 10-PSI BUFFER FROM THE STATIC AND RESIDUAL PRESSURES, UNLESS UNACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
- PROVIDE UPRIGHT-STYLE SPRINKLER HEADS WITHIN ALL EXPOSED
- PROVIDE EXTERIOR SPRINKLER SYSTEM(S), IF REQUIRED BY AUTHORITY HAVING JURISDICTION, FOR EXTERIOR CANOPIES OR EXTERIOR COVERED AREAS. IF AREA IS SUBJECT TO FREEZING PROVIDE DRY SPRINKLER HEADS.
- IN MULTI-TENANT MALL CONDITIONS OR IN CONDITIONS WHERE TENANT'S RISER IS NOT WITHIN TENANT'S PREMISES, LANDLORD SHALL PROVIDE SEPARATE SHARED SECURABLE RISER ROOM WITH 24/7 ACCESS FROM EXTERIOR / COMMON AREAS; AND CONDUIT PATH (IDENTIFIED BY LANDLORD AND INSTALLED BY LANDLORD) TO TENANT'S PREMISES, FOR TENANT'S CONNECTION TO FIRE ALARM. SEE SECTION 28 31 00 - FIRE ALARM.

SPRINKLER CONTRACTOR

SPRINKLER CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL SPRINKLER WORK WITH CURRENT PHASING PLAN TO MINIMIZE DISRUPTION TO BUILDING DURING OPERATING HOURS.

SPRINKLER CONTRACTOR TO MINIMIZE AND COORDINATE WITH BUILDING, ALARM COMPANY, AND AUTHORITIES ANY AND ALL DOWN TIME TO EXISTING SPRINKLER SYSTEM OR SYSTEMS.

SPRINKLER CONTRACTOR IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF AUTHORITIES FOR SHUTTING DOWN AND DRAINAGE OF EXISTING SPRINKLER SYSTEM OR SYSTEMS.

PRIOR TO BIDDING, SPRINKLER CONTRACTOR MUST OBTAIN VARIOUS INFORMATION FROM ANY AND ALL AUTHORITIES. THIS INFORMATION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

- ANY AND ALL REQUIREMENTS OR RESTRICTIONS BY AUTHORITIES TO ALLOW THE BUILDING TO OPERATE DURING DOWN TIME OF SPRINKLER SYSTEM OR SYSTEMS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO ANY TIME RESTRICTIONS OR LIMITATIONS, OR IF A FIRE WATCH IS REQUIRED.
- 2. IN THE EVENT A FIRE WATCH IS REQUIRED BY THE AUTHORITIES, VERIFY WHAT WILL BE REQUIRED BY THE AUTHORITIES TO CARRY OUT THE FIRE
- 3. ANY AND ALL REQUIREMENTS OR RESTRICTIONS BY AUTHORITIES FOR DRAINAGE OF WATER IN EXISTING SPRINKLER SYSTEM OR SYSTEMS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO ANY REQUIREMENT TO TREAT WATER BEFORE ALLOWING TO MAKE CONTACT WITH GROUND, OR ANY REQUIREMENT TO CONTAIN WATER FROM EXISTING SPRINKLER SYSTEM AND DISPOSE OF AT ALTERNATE LOCATION.

11 3rd Avenue S

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Drawn:

Sheet Date:

B. ZACH

Proj. Number: BGC.37948.RR

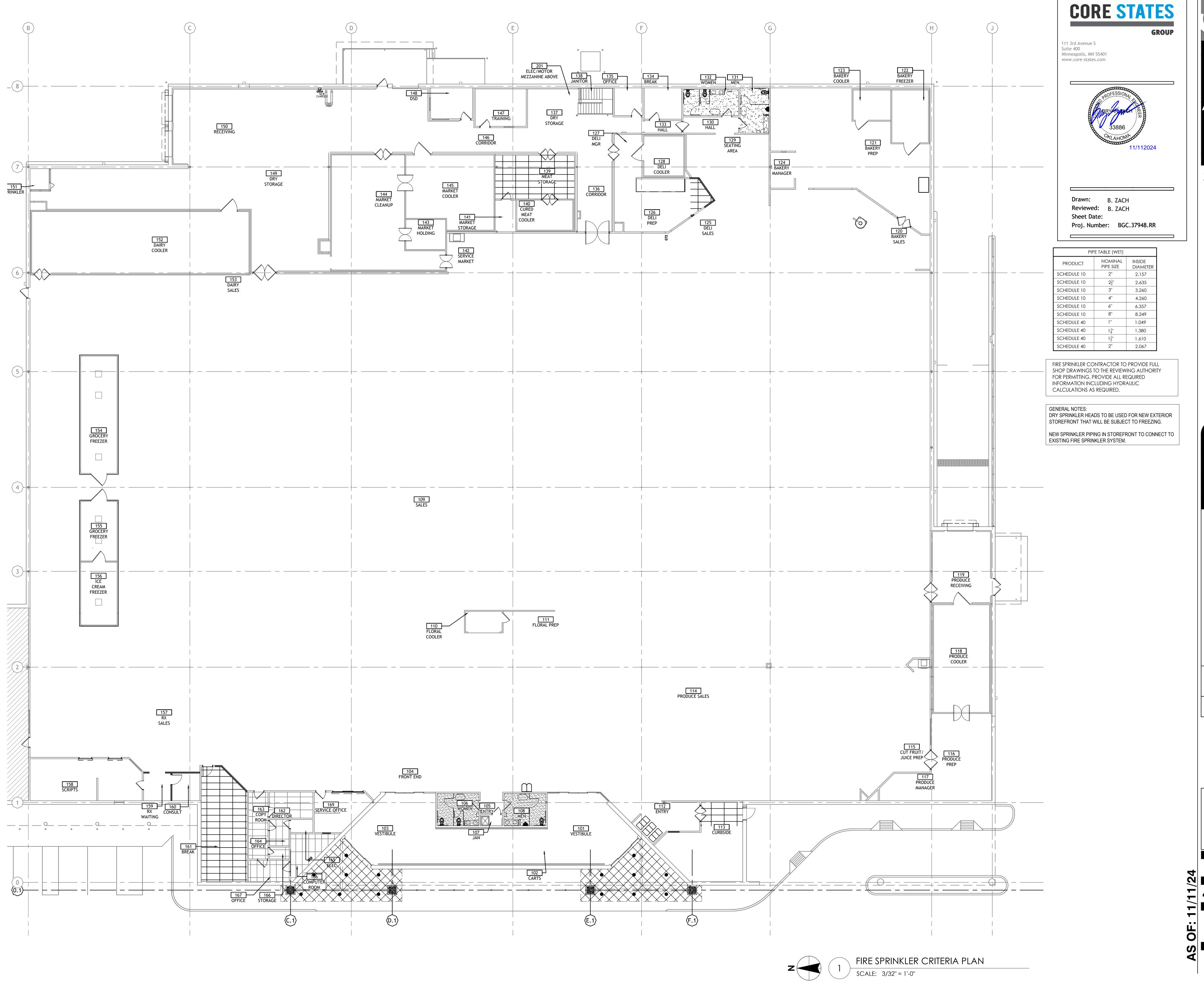
Reviewed: B. ZACH

Suite 400



430 E. Front St. **Tyler, TX 75702** 903-579-0500

DATE 09/23



430 E. Front St.

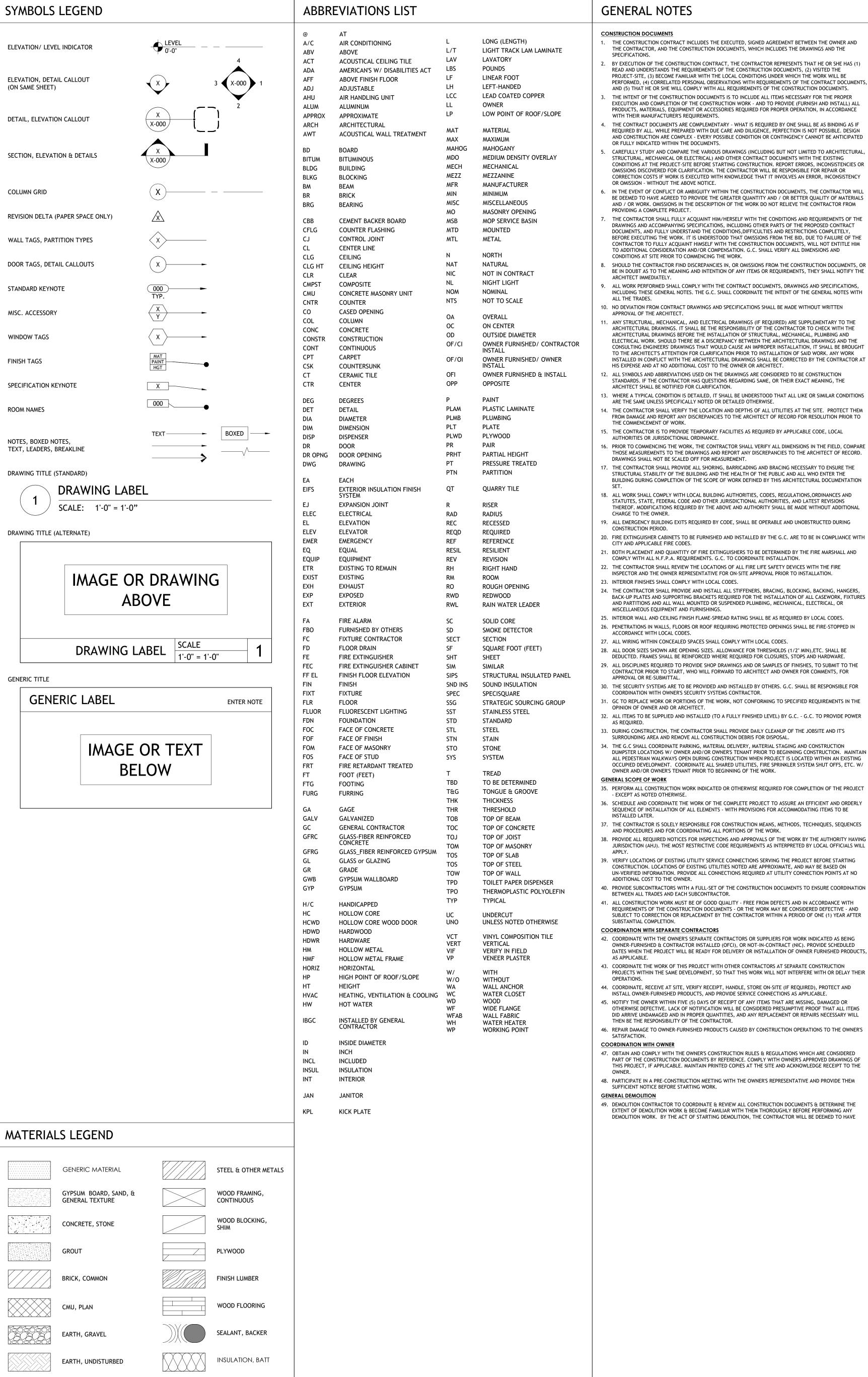
Tyler, TX 75702 903-579-0500

DATE

09/23

PROJECT NO. 4090200-0 STORE NO.

902 SHEET NO. FP1.0



RIGID INSULATION

EXTERIOR INSULATION FINISHING SYSTEM (EIFS)

EARTH, COMPACT FILL

GENERAL NOTES

CONSTRUCTION DOCUMENTS

THE CONSTRUCTION CONTRACT INCLUDES THE EXECUTED, SIGNED AGREEMENT BETWEEN THE OWNER AND THE CONTRACTOR, AND THE CONSTRUCTION DOCUMENTS, WHICH INCLUDES THE DRAWINGS AND THE

BY EXECUTION OF THE CONSTRUCTION CONTRACT, THE CONTRACTOR REPRESENTS THAT HE OR SHE HAS (1) READ AND UNDERSTANDS THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. (2) VISITED THE PROJECT-SITE. (3) BECOME FAMILIAR WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED (4) CORRELATED PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS. AND (5) THAT HE OR SHE WILL COMPLY WITH ALL REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.

THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE CONSTRUCTION WORK - AND TO PROVIDE (FURNISH AND INSTALL) ALL PRODUCTS, MATERIALS, EQUIPMENT OR ACCESSORIES REQUIRED FOR PROPER OPERATION, IN ACCORDANCE WITH THEIR MANUFACTURER'S REQUIREMENTS. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY - WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REOUIRED BY ALL. WHILE PREPARED WITH DUE CARE AND DILIGENCE, PERFECTION IS NOT POSSIBLE. DESIGN

AND CONSTRUCTION ARE COMPLEX - EVERY POSSIBLE CONDITION OR CONTINGENCY CANNOT BE ANTICIPATED OR FULLY INDICATED WITHIN THE DOCUMENTS. CAREFULLY STUDY AND COMPARE THE VARIOUS DRAWINGS (INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, MECHANICAL OR ELECTRICAL) AND OTHER CONTRACT DOCUMENTS WITH THE EXISTING CONDITIONS AT THE PROJECT-SITE BEFORE STARTING CONSTRUCTION. REPORT ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED FOR CLARIFICATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR OR CORRECTION COSTS IF WORK IS EXECUTED WITH KNOWLEDGE THAT IT INVOLVES AN ERROR, INCONSISTENCY

OR OMISSION - WITHOUT THE ABOVE NOTICE. . IN THE EVENT OF CONFLICT OR AMBIGUITY WITHIN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR WILL BE DEEMED TO HAVE AGREED TO PROVIDE THE GREATER QUANTITY AND / OR BETTER QUALITY OF MATERIALS AND / OR WORK. OMISSIONS IN THE DESCRIPTION OF THE WORK DO NOT RELIEVE THE CONTRACTOR FROM

PROVIDING A COMPLETE PROJECT. THE CONTRACTOR SHALL FULLY ACQUAINT HIM/HERSELF WITH THE CONDITIONS AND REQUIREMENTS OF THE DRAWINGS AND ACCOMPANYING SPECIFICATIONS. INCLUDING OTHER PARTS OF THE PROPOSED CONTRACT DOCUMENTS, AND FULLY UNDERSTAND THE CONDITIONS, DIFFICULTIES AND RESTRICTIONS COMPLETELY. BEFORE EXECUTING THE WORK, IT IS UNDERSTOOD THAT OMISSIONS FROM THE BID. DUE TO FAILURE OF THE CONTRACTOR TO FULLY ACQUAINT HIMSELF WITH THE CONSTRUCTION DOCUMENTS, WILL NOT ENTITLE HIM TO ADDITIONAL CONSIDERATION AND/OR COMPENSATION. G.C. SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT SITE PRIOR TO COMMENCING THE WORK.

SHOULD THE CONTRACTOR FIND DISCREPANCIES IN, OR OMISSIONS FROM THE CONSTRUCTION DOCUMENTS, OR BE IN DOUBT AS TO THE MEANING AND INTENTION OF ANY ITEMS OR REQUIREMENTS. THEY SHALL NOTIFY THE ARCHITECT IMMEDIATELY. ALL WORK PERFORMED SHALL COMPLY WITH THE CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS,

INCLUDING THESE GENERAL NOTES. THE G.C. SHALL COORDINATE THE INTENT OF THE GENERAL NOTES WITH 10. NO DEVIATION FROM CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT

. ANY STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS (IF REQUIRED) ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WORK. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTING ENGINEERS' DRAWINGS THAT WOULD CAUSE AN IMPROPER INSTALLATION, IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT.

STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SAME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION . WHERE A TYPICAL CONDITION IS DETAILED, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS

ARE THE SAME UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE 14. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTHS OF ALL UTILITIES AT THE SITE. PROTECT THEM FROM DAMAGE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT OF RECORD FOR RESOLUTION PRIOR TO THE COMMENCEMENT OF WORK.

15. THE CONTRACTOR IS TO PROVIDE TEMPORARY FACILITIES AS REQUIRED BY APPLICABLE CODE, LOCAL AUTHORITIES OR JURISDICTIONAL ORDINANCE.

16. PRIOR TO COMMENCING THE WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD, COMPARE THOSE MEASUREMENTS TO THE DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT OF RECORD. DRAWINGS SHALL NOT BE SCALED OFF FOR MEASUREMENT 7. THE CONTRACTOR SHALL PROVIDE ALL SHORING, BARRICADING AND BRACING NECESSARY TO ENSURE THE STRUCTURAL STABILITY OF THE BUILDING AND THE HEALTH OF THE PUBLIC AND ALL WHO ENTER THE BUILDING DURING COMPLETION OF THE SCOPE OF WORK DEFINED BY THIS ARCHITECTURAL DOCUMENTATION

18. ALL WORK SHALL COMPLY WITH LOCAL BUILDING AUTHORITIES, CODES, REGULATIONS, ORDINANCES AND STATUTES, STATE, FEDERAL CODE AND OTHER JURISDICTIONAL AUTHORITIES, AND LATEST REVISIONS THEREOF. MODIFICATIONS REQUIRED BY THE ABOVE AND AUTHORITY SHALL BE MADE WITHOUT ADDITIONAL CHARGE TO THE OWNER.

19. ALL EMERGENCY BUILDING EXITS REQUIRED BY CODE, SHALL BE OPERABLE AND UNOBSTRUCTED DURING CONSTRUCTION PERIOD. 20. FIRE EXTINGUISHER CABINETS TO BE FURNISHED AND INSTALLED BY THE G.C. ARE TO BE IN COMPLIANCE WITH CITY AND APPLICABLE FIRE CODES.

1. BOTH PLACEMENT AND QUANTITY OF FIRE EXTINGUISHERS TO BE DETERMINED BY THE FIRE MARSHALL AND COMPLY WITH ALL N.F.P.A. REQUIREMENTS. G.C. TO COORDINATE INSTALLATION. 22. THE CONTRACTOR SHALL REVIEW THE LOCATIONS OF ALL FIRE LIFE SAFETY DEVICES WITH THE FIRE

INSPECTOR AND THE OWNER REPRESENTATIVE FOR ON-SITE APPROVAL PRIOR TO INSTALLATION. . INTERIOR FINISHES SHALL COMPLY WITH LOCAL CODES. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BLOCKING, BACKING, HANGERS,

BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, FIXTURES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED PLUMBING, MECHANICAL, ELECTRICAL, OR MISCELLANEOUS EQUIPMENT AND FURNISHINGS.

25. INTERIOR WALL AND CEILING FINISH FLAME-SPREAD RATING SHALL BE AS REQUIRED BY LOCAL CODES. 26. PENETRATIONS IN WALLS, FLOORS OR ROOF REQUIRING PROTECTED OPENINGS SHALL BE FIRE-STOPPED IN ACCORDANCE WITH LOCAL CODES.

27. ALL WIRING WITHIN CONCEALED SPACES SHALL COMPLY WITH LOCAL CODES. 28. ALL DOOR SIZES SHOWN ARE OPENING SIZES. ALLOWANCE FOR THRESHOLDS (1/2" MIN).ETC. SHALL BE

DEDUCTED. FRAMES SHALL BE REINFORCED WHERE REQUIRED FOR CLOSURES, STOPS AND HARDWARE. 29. ALL DISCIPLINES REQUIRED TO PROVIDE SHOP DRAWINGS AND OR SAMPLES OF FINISHES, TO SUBMIT TO THE CONTRACTOR PRIOR TO START, WHO WILL FORWARD TO ARCHITECT AND OWNER FOR COMMENTS, FOR APPROVAL OR RE-SUBMITTAL.

30. THE SECURITY SYSTEMS ARE TO BE PROVIDED AND INSTALLED BY OTHERS. G.C. SHALL BE RESPONSIBLE FOR COORDINATION WITH OWNER'S SECURITY SYSTEMS CONTRACTOR 31. GC TO REPLACE WORK OR PORTIONS OF THE WORK, NOT CONFORMING TO SPECIFIED REQUIREMENTS IN THE OPINION OF OWNER AND OR ARCHITECT

32. ALL ITEMS TO BE SUPPLIED AND INSTALLED (TO A FULLY FINISHED LEVEL) BY G.C. - G.C. TO PROVIDE POWER AS REOUIRED. 33. DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE DAILY CLEANUP OF THE JOBSITE AND IT'S

SURROUNDING AREA AND REMOVE ALL CONSTRUCTION DEBRIS FOR DISPOSAL 4. THE G.C SHALL COORDINATE PARKING, MATERIAL DELIVERY, MATERIAL STAGING AND CONSTRUCTION DUMPSTER LOCATIONS W/ OWNER AND/OR OWNER'S TENANT PRIOR TO BEGINNING CONSTRUCTION. MAINTAIN ALL PEDESTRIAN WALKWAYS OPEN DURING CONSTRUCTION WHEN PROJECT IS LOCATED WITHIN AN EXISTING OCCUPIED DEVELOPMENT. COORDINATE ALL SHARED UTILITIES, FIRE SPRINKLER SYSTEM SHUT OFFS, ETC. W/ OWNER AND/OR OWNER'S TENANT PRIOR TO BEGINNING OF THE WORK.

35. PERFORM ALL CONSTRUCTION WORK INDICATED OR OTHERWISE REQUIRED FOR COMPLETION OF THE PROJECT EXCEPT AS NOTED OTHERWISE 36. SCHEDULE AND COORDINATE THE WORK OF THE COMPLETE PROJECT TO ASSURE AN EFFICIENT AND ORDERLY SEQUENCE OF INSTALLATION OF ALL ELEMENTS - WITH PROVISIONS FOR ACCOMMODATING ITEMS TO BE INSTALLED LATER.

37. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK. 38. PROVIDE ALL REQUIRED NOTICES FOR INSPECTIONS AND APPROVALS OF THE WORK BY THE AUTHORITY HAVING JURISDICTION (AHJ). THE MOST RESTRICTIVE CODE REQUIREMENTS AS INTERPRETED BY LOCAL OFFICIALS WILL

39. VERIFY LOCATIONS OF EXISTING UTILITY SERVICE CONNECTIONS SERVING THE PROJECT BEFORE STARTING CONSTRUCTION. LOCATIONS OF EXISTING UTILITIES NOTED ARE APPROXIMATE, AND MAY BE BASED ON UN-VERIFIED INFORMATION. PROVIDE ALL CONNECTIONS REQUIRED AT UTILITY CONNECTION POINTS AT NO ADDITIONAL COST TO THE OWNER.

BETWEEN ALL TRADES AND EACH SUBCONTRACTOR. 41. ALL CONSTRUCTION WORK MUST BE OF GOOD QUALITY - FREE FROM DEFECTS AND IN ACCORDANCE WITH REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS - OR THE WORK MAY BE CONSIDERED DEFECTIVE - AND SUBJECT TO CORRECTION OR REPLACEMENT BY THE CONTRACTOR WITHIN A PERIOD OF ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION.

COORDINATION WITH SEPARATE CONTRACTORS 42. COORDINATE WITH THE OWNER'S SEPARATE CONTRACTORS OR SUPPLIERS FOR WORK INDICATED AS BEING OWNER-FURNISHED & CONTRACTOR INSTALLED (OFCI), OR NOT-IN-CONTRACT (NIC). PROVIDE SCHEDULED DATES WHEN THE PROJECT WILL BE READY FOR DELIVERY OR INSTALLATION OF OWNER FURNISHED PRODUCTS,

43. COORDINATE THE WORK OF THIS PROJECT WITH OTHER CONTRACTORS AT SEPARATE CONSTRUCTION PROJECTS WITHIN THE SAME DEVELOPMENT, SO THAT THIS WORK WILL NOT INTERFERE WITH OR DELAY THEIR OPERATIONS.

44. COORDINATE, RECEIVE AT SITE, VERIFY RECEIPT, HANDLE, STORE ON-SITE (IF REQUIRED), PROTECT AND INSTALL OWNER-FURNISHED PRODUCTS, AND PROVIDE SERVICE CONNECTIONS AS APPLICABLE. 45. NOTIFY THE OWNER WITHIN FIVE (5) DAYS OF RECEIPT OF ANY ITEMS THAT ARE MISSING, DAMAGED OR OTHERWISE DEFECTIVE. LACK OF NOTIFICATION WILL BE CONSIDERED PRESUMPTIVE PROOF THAT ALL ITEMS

DID ARRIVE UNDAMAGED AND IN PROPER QUANTITIES, AND ANY REPLACEMENT OR REPAIRS NECESSARY WILL THEN BE THE RESPONSIBILITY OF THE CONTRACTOR. 46. REPAIR DAMAGE TO OWNER-FURNISHED PRODUCTS CAUSED BY CONSTRUCTION OPERATIONS TO THE OWNER'S SATISFACTION. COORDINATION WITH OWNER

47. OBTAIN AND COMPLY WITH THE OWNER'S CONSTRUCTION RULES & REGULATIONS WHICH ARE CONSIDERED PART OF THE CONSTRUCTION DOCUMENTS BY REFERENCE. COMPLY WITH OWNER'S APPROVED DRAWINGS OF THIS PROJECT, IF APPLICABLE. MAINTAIN PRINTED COPIES AT THE SITE AND ACKNOWLEDGE RECEIPT TO THE

48. PARTICIPATE IN A PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE AND PROVIDE THEM SUFFICIENT NOTICE BEFORE STARTING WORK.

49. DEMOLITION CONTRACTOR TO COORDINATE & REVIEW ALL CONSTRUCTION DOCUMENTS & DETERMINE THE EXTENT OF DEMOLITION WORK & BECOME FAMILIAR WITH THEM THOROUGHLY BEFORE PERFORMING ANY DEMOLITION WORK. BY THE ACT OF STARTING DEMOLITION, THE CONTRACTOR WILL BE DEEMED TO HAVE

COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE THE NECESSARY ALLOWANCES IN PREPARING HIS BID 50. REFER TO MECHANICAL, ELECTRICAL, & PLUMBING DRAWINGS FOR ADDITIONAL & DETAILED DEMOLITION

51. PROTECT FROM DAMAGE DURING CONSTRUCTION ALL EXISTING WALLS, FLOORS, CEILINGS, ETC. THAT ARE TO REMAIN. CONTRACTOR TO PATCH & REPAIR ANY DAMAGED PORTIONS OF THE EXISTING BUILDING AS REQUIRED

TO MATCH THE EXISTING ADJACENT CONSTRUCTION & FINISHES. 52. IF CONTRACTOR ENCOUNTERS ANY HAZARDOUS MATERIALS DURING DEMOLITION OR CONSTRUCTION, HE SHALL IMMEDIATELY SUSPEND WORK & NOTIFY THE AREA CONSTRUCTION MANAGER BEFORE PROCEEDING. 53. ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER & IN STRICT ACCORDANCE WITH OSHA

REGULATIONS. 54. THE SUB-CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES. BUT IS NOT LIMITED TO THE DEMOLITION AND REMOVAL OF ANY WALLS, COUNTERS, FURNITURE, BULKHEADS, DOORS, PLUMBING, MECHANICAL AND ELECTRICAL ITEMS INCLUDING CONDUITS AND DUCTWORK AS SHOWN ON THE DRAWINGS OR AS REQUIRED TO COMPLETE THE INSTALLATION OF THE NEW WORK FOR A COMPLETE JOB.

55. WHEN UTILITIES ARE REMOVED, CAP & SEAL A MINIMUM OF 8" BELOW FINISH FLOOR OR A MINIMUM OF 6" ABOVE FINISH CEILING.

TEMPORARY FACILITIES, UTILITIES & CONTROLS 56. PROVIDE BARRIERS, FENCES AND OTHER CONTROLS TO PREVENT PUBLIC ENTRY TO CONSTRUCTION AREAS, AND TO PROTECT CONSTRUCTION WORKERS AND THE PUBLIC FROM HAZARDS OF CONSTRUCTION. 57. PROVIDE PROTECTION OF CONSTRUCTION MATERIALS FROM LOSS, DAMAGE, FIRE OR THEFT, AND PROTECT

EXISTING CONSTRUCTION FROM DAMAGE BY CONSTRUCTION OPERATIONS. 58. PROVIDE TEMPORARY FIRE-PREVENTION MEASURES AND PROCEDURES INCLUDING FIRE-EXTINGUISHERS PER AHJ REQUIREMENTS. 59. PROVIDE DUMPSTERS AND COLLECT WASTE DAILY. DISPOSE OF MATERIAL IN A LAWFUL MANNER. PLACE DUMPSTER IN LOCATION APPROVED BY OWNER OR OWNER, AS APPLICABLE.

GENERAL PRODUCT REQUIREMENT 60. STORE PRODUCTS PER MANUFACTURER'S INSTRUCTIONS, PROTECTED FROM DAMAGE OR ABUSE, AND WITH VENTILATION TO AVOID CONDENSATION 61. APPLICATION OF A MATERIAL OR EQUIPMENT ITEM TO WORK INSTALLED BY OTHERS CONSTITUTES ACCEPTANCE

62. INSPECT EACH ITEM OF MATERIAL OR EQUIPMENT IMMEDIATELY PRIOR TO INSTALLATION. REJECT DAMAGED AND DEFECTIVE ITEMS. COORDINATION WITH FIXTURES, FURNISHINGS & EQUIPMENT (FF&E) 63. REVIEW THE OWNER'S SEPARATE CASEWORK/FIXTURES, FURNISHINGS, EQUIPMENT, & SIGNAGE DRAWINGS FOR UNIT SIZES, WEIGHTS, SERVICE-CONNECTIONS AND CLEARANCES REQUIRED - WHETHER FURNISHED OR

INSTALLED BY THE CONTRACTOR OR OTHERS. VERIFY THAT REQUIRED ROUGH-INS, CONNECTIONS AND

OF THAT WORK AND ASSUMPTION OF RESPONSIBILITY FOR SATISFACTORY INSTALLATION AND PERFORMANCE.

STAGING SPACE FOR THEIR INSTALLATION. REPORT DISCREPANCIES OR OMISSIONS OF EQUIPMENT REQUIREMENTS PRIOR TO INSTALLATION. 64. PROVIDE ALL HVAC, PLUMBING, GAS OR ELECTRIC SERVICE CONNECTIONS TO CASEWORK / FIXTURES, SIGNAGE, OR EQUIPMENT INDICATED (WHETHER UNITS ARE INSTALLED BY CONTRACTOR OR BY OTHERS). 65. VERIFY DISPOSITION OF ALL FURNISHINGS, MILLWORK, LIGHTING FIXTURES, ETC. TO BE REMOVED W/ OWNER. ALL ITEMS TO BE DISPOSED SHALL BE DISPOSED OF OFF-SITE AND IN AN EXPEDITIOUS MANNER.

CLEARANCES WILL BE PROVIDED. PROVIDE OPENINGS AND DELIVERY ACCESS FOR FF&E ITEMS. AND PROVIDE

GENERAL EXECUTION OF THE WORK 66. ESTABLISH AND MAINTAIN DURABLE MARKERS TO LOCATE ALL ELEMENTS OF THE WORK, INCLUDING BUT NOT

LIMITED TO PARTITIONS, CASEWORK, FIXTURES, EQUIPMENT AND LIGHT-FIXTURES, AND THEIR RELATED MECHANICAL, ELECTRICAL AND PLUMBING CONNECTIONS. 67. AT PROJECTIONS OF FINISHED SURFACES, INCLUDING PILASTERS OR THICKENED WALLS, RETURN ALL EXPOSED

SURFACE FINISHES BACK TO THE PRIMARY SURFACE EVEN IF NOT SPECIFICALLY NOTED. 68. PERFORM ALL CUTTING, PATCHING AND FITTING TO ACCOMMODATE CONSTRUCTION WORK AND TO ACHIEVE THE INTENT OF THE CONSTRUCTION DOCUMENTS. CUT & PATCH PARTITIONS FOR INSTALLATION OF PLUMBING OR ELECTRICAL SERVICES AND FOR INSTALLATION OF WALL BLOCKING. IF NECESSARY. PROVIDE ESCUTCHEONS. GROMMETS AND SIMILAR SURFACE CLOSURE OR FINISHED TRIMS AT EXPOSED PENETRATIONS OF FINISHED

69. BRACE PARTITIONS, SUSPEND CEILINGS OR SOFFITS, AND BRACE PLATFORMS, SUSPENDED ITEMS OR SIMILAR CONSTRUCTION ONLY TO STRUCTURAL ELEMENTS ABOVE - EVEN IF NOT SPECIFICALLY NOTED. DO NOT ANCHOR TO ROOF DECK, PLUMBING / SPRINKLER PIPES, DUCTWORK, ELECTRICAL CONDUIT OR SIMILAR

FINAL CLEANING 70. JUST BEFORE OWNER OCCUPANCY, CLEAN ALL SURFACES INCLUDING FIXTURES AND EQUIPMENT FOR THE OWNER'S USE AND OPERATION. POLISH GLASS AND PLUMBING FIXTURES TO BE WITHOUT NOTICEABLE STREAKS. VACUUM CLEAN FLOORS AND DAMP WIPE WALLS, FIXTURES AND EQUIPMENT TO BE DUST-FREE WITHOUT STAINS, FILMS AND OTHER DISTRACTING SUBSTANCES.

71. CLEAN THE PROJECT SITE OF RUBBISH, LITTER AND OTHER FOREIGN SUBSTANCES. BROOM CLEAN PAVED AREAS AND REMOVE STAINS. SPILLS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS THAT ARE NEITHER PAVED NOR PLANTED, TO A SMOOTH EVEN-TEXTURED SURFACE. GENERAL DRAWING REFERENCES

REFER TO GENERAL NOTES SHEETS FOR EACH PROFESSIONAL DISCIPLINE FOR ALL OTHER CONSTRUCTION REQUIREMENTS NOT LISTED BELOW.

72. DIVISION 4 - MASONRY:

72.1. PROVIDE MASONRY CONTROL-JOINTS AT 24 FT SPACING MAXIMUM (EVEN IF NOT NOTED), AND WHERE NOTED ON THE DRAWINGS 73. DIVISION 5 - METAL:

73.1. PROVIDE .042 INCH (18 GA) COLD-FORMED METAL FRAMING AT 16 INCH OC AT EXTERIOR FRAMED WALLS

74.1. PROVIDE PRESERVATIVE-TREATED WOOD WHEN WOOD IS IN DIRECT CONTACT WITH CONCRETE OR MASONRY 74.2. PROVIDE FIRE-RETARDANT TREATED PLYWOOD BACKING AT ALL ELECTRICAL, PHONE AND SECURITY SYSTEM

74.3. PROVIDE CONCEALED WOOD BLOCKING, BRACING OR NAILERS FOR SECURE ANCHORAGE OF ALL SHELVES, RUNNING TRIM, RAILINGS, SUSPENDED ITEMS, DOOR-STOPS, GRAB-BARS, AND OTHER SIMILAR WOODWORK, HARDWARE, SPECIALTIES, ACCESSORIES, FIXTURES OR EQUIPMENT

74.4. CUT TO FIT ALL WOOD TRIM OR OTHER PREFINISHED TRIM UNITS AND FINISH ALL EXPOSED SURFACES TO MATCH ADJACENT FINISHED MATERIALS. INSTALL WOODWORK WITH A MINIMUM NUMBER OF JOINTS. COPE ALI RETURNS, MITER ALL CORNERS AND USE SCARF-JOINTS AT END-TO-END CONNECTIONS (BUTT JOINTS ARE NOT ACCEPTABLE). REFINISH ALL EXPOSED CUTS AND DAMAGED WOODWORK. 74.5. ANCHOR WOOD BLOCKING TO METAL STUD FRAMING W/ #12 TEK SCREWS @ 16" OC MAX - ANCHOR BLOCKING TO CMU'S OR CONCRETE WITH 1/4" TAPCONS AT MAXIMUM 16" OC. STAGGER FASTENERS WHEN BLOCKING IS

WIDER THAN 6" NOMINAL 75. DIVISION 7 - THERMAL MOISTURE 75.1. VERIFY THAT ALL EXTERIOR FINISHED GRADES ADJACENT TO EXTERIOR WALL ARE BELOW THE FINISHED FLOOR

ELEVATION. IF NOT, PROVIDE WATERPROOF MEMBRANE WITH PROTECTION COURSE OVER EITHER SMOOTH-SURFACED MASONRY OR CAST-IN-PLACE CONCRETE TURNED-UP FROM THE FLOOR SLAB. 75.2. PROVIDE MIN 3-1/2" BATT INSULATION ON CEILINGS ABOVE AND WITHIN PARTITIONS AROUND AND BETWEEN

ALL TOILET ROOMS TYPICALLY. 75.3. SEAL ALL EXTERIOR BUILDING JOINTS AT BOTH THE OUTSIDE AND INSIDE SURFACES, AND OTHER OPENINGS AGAINST MOISTURE AND AIR-INFILTRATION. AT JOINTS AROUND STOREFRONT/CURTAIN WALL SYSTEMS, PROVIDE SHIM-SPACE AND SEALANT INSIDE AND OUTSIDE WITH BACKER-ROD.

75.4. PROVIDE SEALANT ALL-AROUND: DOOR OR WINDOW FRAMES, COUNTERTOPS & BACK-SPLASHES. WALL-MOUNTED FIXTURES OR EQUIPMENT (INCLUDING LAVS OR SINKS) TO ADJACENT WALL SURFACES, AND OTHER SIMILAR LOCATIONS. 76. DIVISION 8 - OPENINGS:

76.1. DOOR AND WINDOW DIMENSIONS NOTED ARE NOMINAL - COORDINATE WITH FIELD-CONDITIONS AND VERIFY WITH MANUFACTURERS BEFORE FABRICATION. 76.2. HARDWARE MATERIALS: PROVIDE NON-FERROUS MATERIALS AT EXTERIOR LOCATIONS. 77. DIVISION 9 FINISHES:

77.1. DRYWALL CONTROL JOINTS: LOCATE ABOVE ONE SIDES OF ALL DOOR FRAMES (MIN), AND AT 30 FT MAX UNINTERRUPTED SURFACE SPACING AND AS NOTED. 77.1. PROVIDE 5/8" THICK GLASS-MAT GYPSUM BACKER-BOARD AT ALL PARTITIONS W/ TILE FINISH.

77.2. PROVIDE BACK-TO-BACK DOUBLED .0312" (20 GA) METAL STUDS WHERE WALL-BLOCKING IS PROVIDED FOR SUPPORT OF GRAB-BARS OR SHELVING. 77.3. DRYWALL HEADERS: PROVIDE FRAMING @ 16" OC SUSPENDED FROM STRUCTURE ABV W/ 1 LAYER 5/8" GYP BD ON EXPOSED SIDE(S) AND BOTTOM SURFACE. 77.4. PAINT OR STAIN FINISH ALL EXPOSED SURFACES OF CONSTRUCTION UNLESS NOTED OTHERWISE OR IF SURFACE

IS PRE-FINISHED. PROVIDE PAINT FINISH MIN AT ALL SURFACES NOT OTHERWISE INDICATED TO RECEIVE OTHER FINISH. FINISH EXPOSED EDGES OR SURFACES OF CUT WOOD OR PREFINISHED TRIM TO MATCH ADJACENT 78. DIVISION 10 - SPECIALTIES:

78.1. AT "ASSEMBLY" OCCUPANCIES PROVIDE "MAXIMUM OCCUPANCY" SIGN IN A CONSPICUOUS LOCATION AS APPROVED BY AHJ.

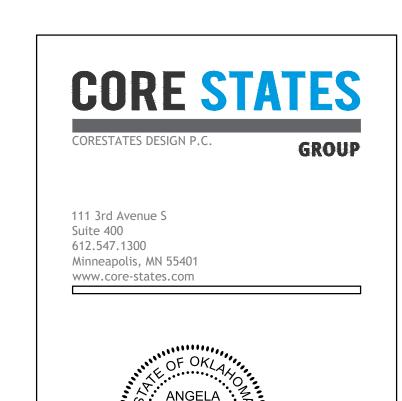
78.2. ACCESSIBLE DOOR SIGN W/ RAISED LETTERS, PICTORIAL-SYMBOL & BRAILLE PLATE READING "MEN", "WOMEN" "RESTROOM" OR AS APPROPRIATE TO USE/TITLE OF ROOM - MOUNT 9" FROM STRIKE EDGE OF DOOR & 60 INCHES AFF TO SIGN CENTERLINES. 78.3. TOWEL-DISPENSER AND WASTE RECEPTACLE AT EACH LAVATORY OR HAND SINK - PROVIDE WALL BLOCKING IF NECESSARY FOR SECURE ATTACHMENT 79. DIVISION 11 - EQUIPMENT

79.1. PROVIDE WATER-SERVICE SHUTOFF-VALVE W/ BACK-FLOW PREVENTER (DOWNSTREAM OF VALVE) AT EA HOT-OR COLD-WATER CONNECTION TO EQUIPMENT (EXCEPT AT SINKS). 79.2. PROVIDE SHUTOFF VALVES (STOPS), SUPPLIES AND TRAPS AT ALL LAVS OR SINKS. 80. DIVISION 21 - FIRE SUPPRESSION SYSTEM NOTES:

80.1. SUBMIT SPRINKLER-SYSTEM DESIGN DRAWINGS TO AHJ AND OWNER (WHEN APPLICABLE) AND OBTAIN THEIR APPROVAL BEFORE STARTING WORK. 80.2. PROVIDE SEMI-CONCEALED TYPE SPRINKLER HEADS IN PUBLIC VIEW AREAS. PROVIDE STANDARD SURFACE-MTD

81.3. MINIMUM SLOPE OF EXTERIOR PAVEMENT (WITHIN 10 FEET OF BUILDING) 2% DRAINING AWAY FROM BUILDING.

SPRINKLER HEADS IN BACK AREAS NOT IN PUBLIC VIEW, UNLESS OTHERWISE NOTED. 81. DIVISION 32 - SITE IMPROVEMENTS: 81.1. MAXIMUM ALLOWABLE SLOPE OF NEW PAVEMENT: 4.9% (1:21). 81.2. MAXIMUM ALLOWABLE CROSS-SLOPE OF NEW PAVEMENT: 2% (1:48).



FEULNER

Sheet Date:

EDUARDO GUZMAN

A. FEULNER

11/12/24

Proj. Number: BGC.37948.RR

430 E. Front St. **Tyler, TX 75702** 903-579-0500

DATE 09/23 4090200-0 STORE NO.

ALL DIMENSIONS ARE TO EXTERIOR FACE, SUBSTRATE OR MASONRY, U.N.O.

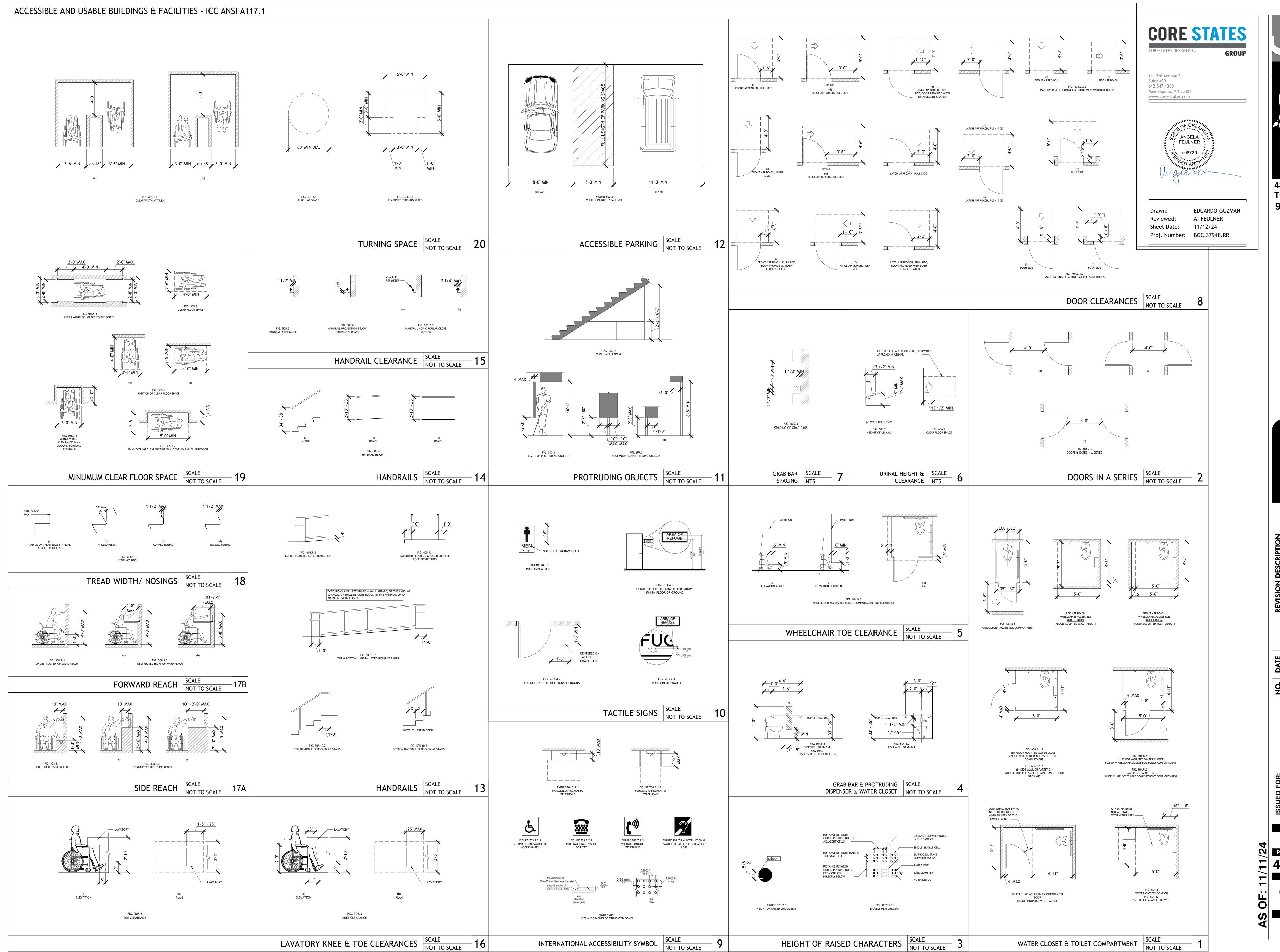
DRAWINGS.

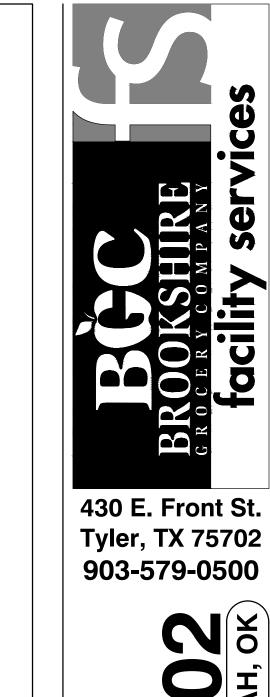
OBTAIN COPY OF "LIGHTING DESIGN PACKAGE" (BY OTHERS) FROM OWNER &

ARCHITECT FOR BIDDING & CONSTRUCTION, REFER TO THIS PACKAGE FOR LIGHT

FIXTURE LOCATIONS, CUT SHEETS, & SPECIFICATIONS. NOTIFY ARCHITECT IF THERE ARE ANY DISCREPANCIES BETWEEN "LIGHTING DESIGN PACKAGE" & THIS SET OF

DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING





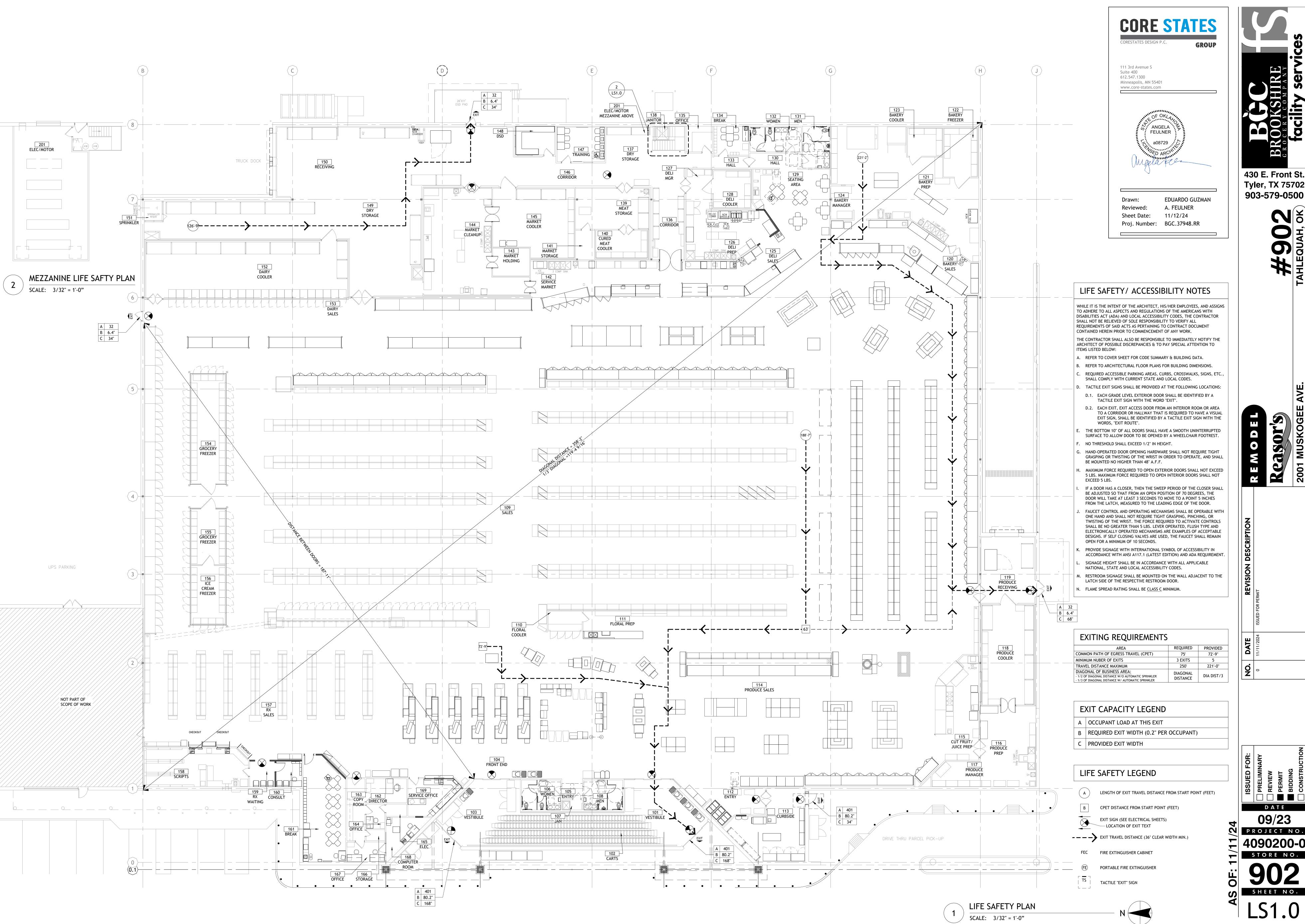


DATE

09/23
PROJECT NO. **4090200-0** STORE NO.

SHEET NO.

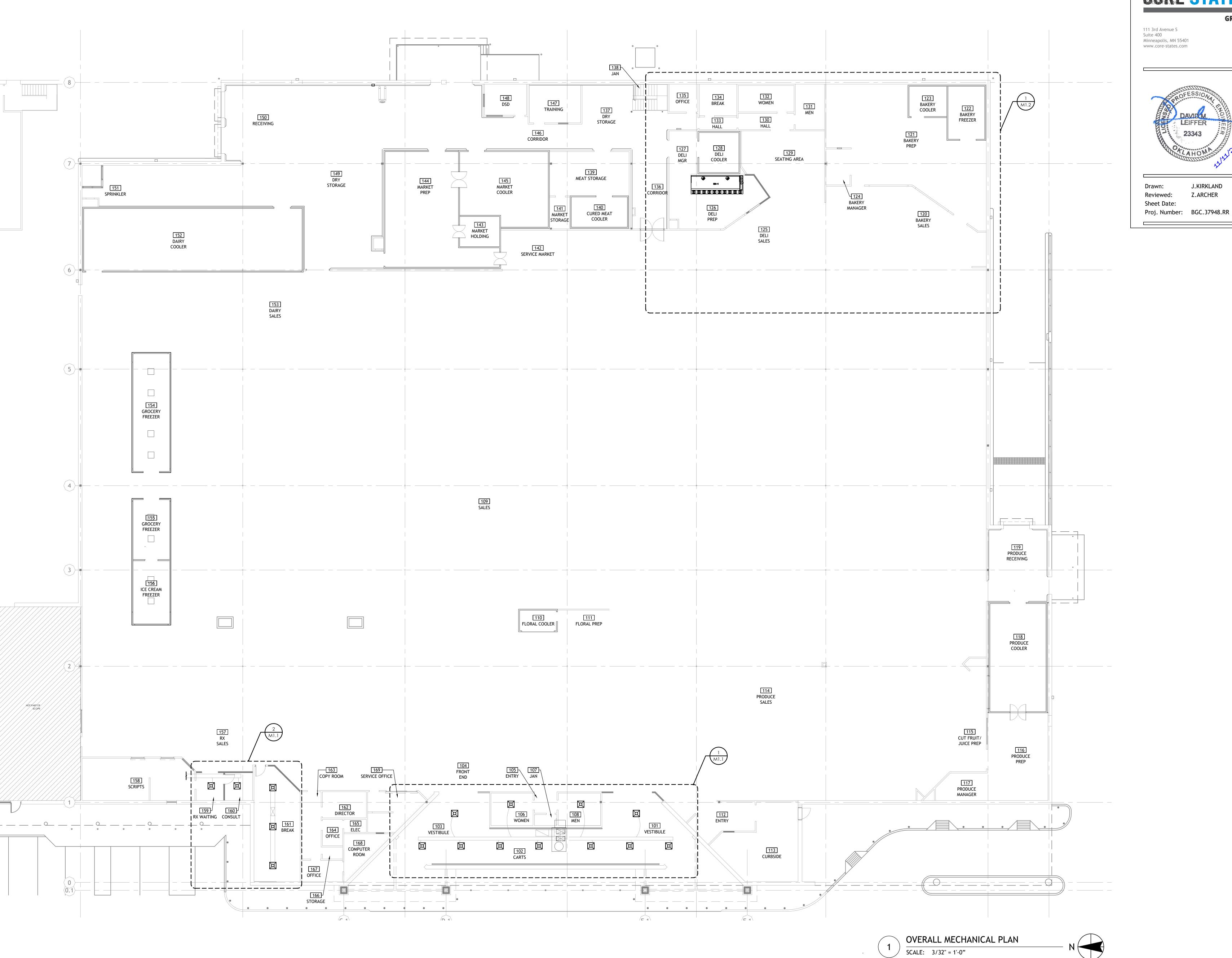
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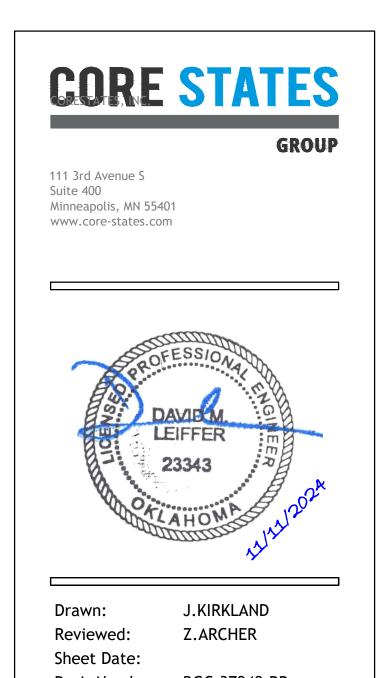


430 E. Front St. **Tyler, TX 75702**

DATE 09/23 PROJECT NO. 4090200-0 STORE NO.

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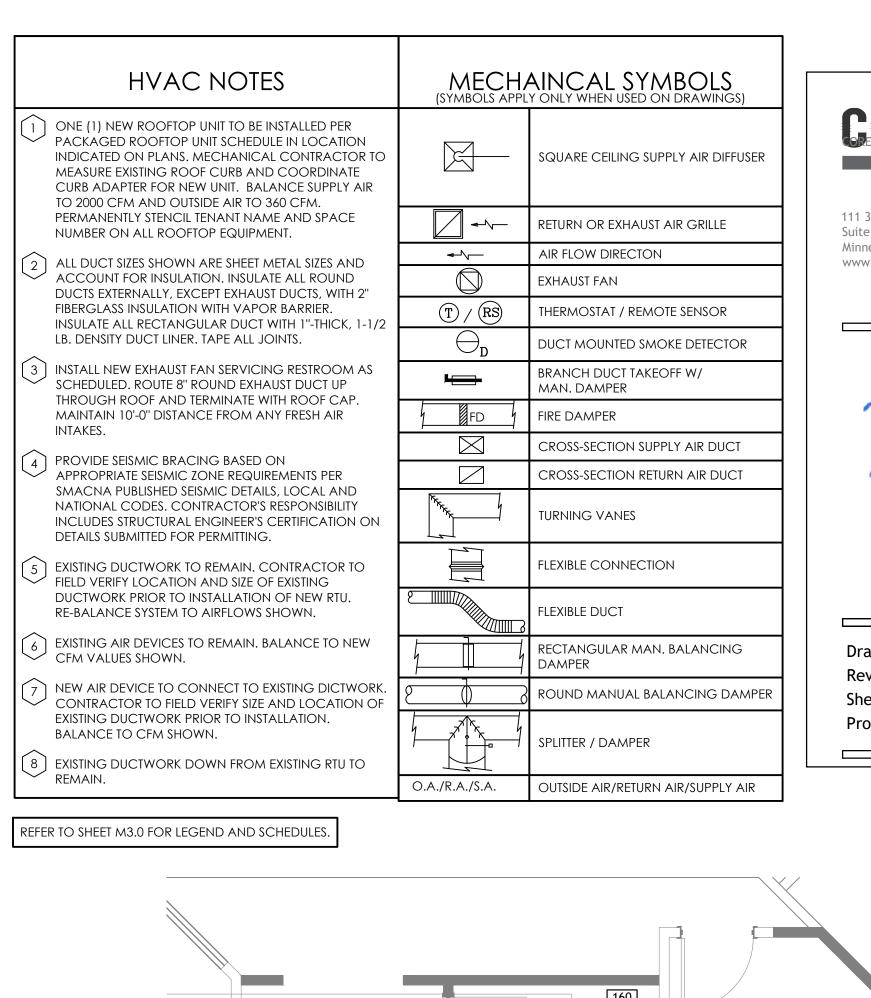


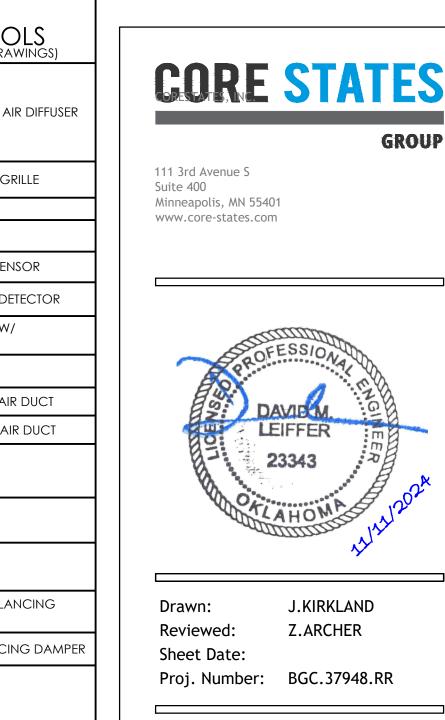
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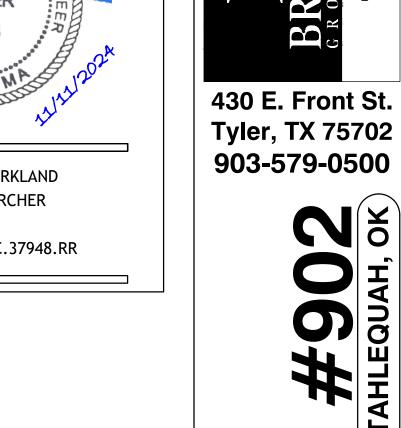
Tyler, TX 75702

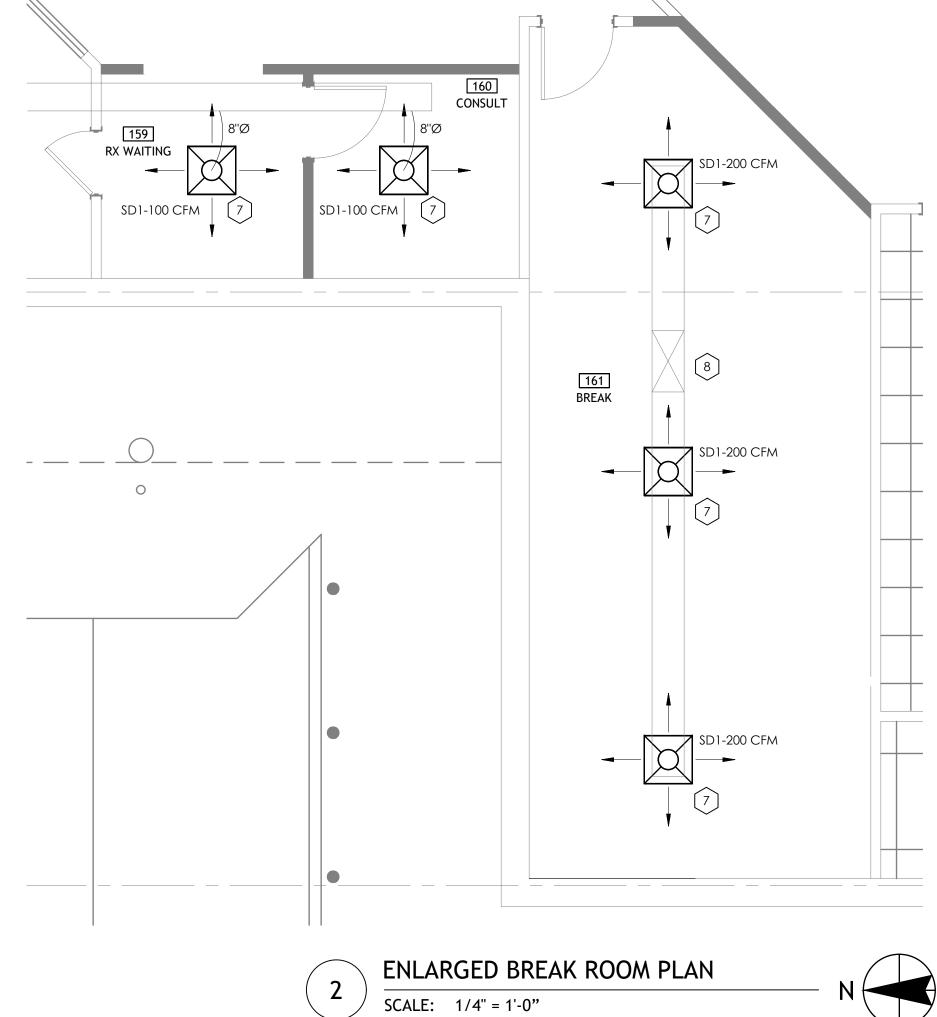
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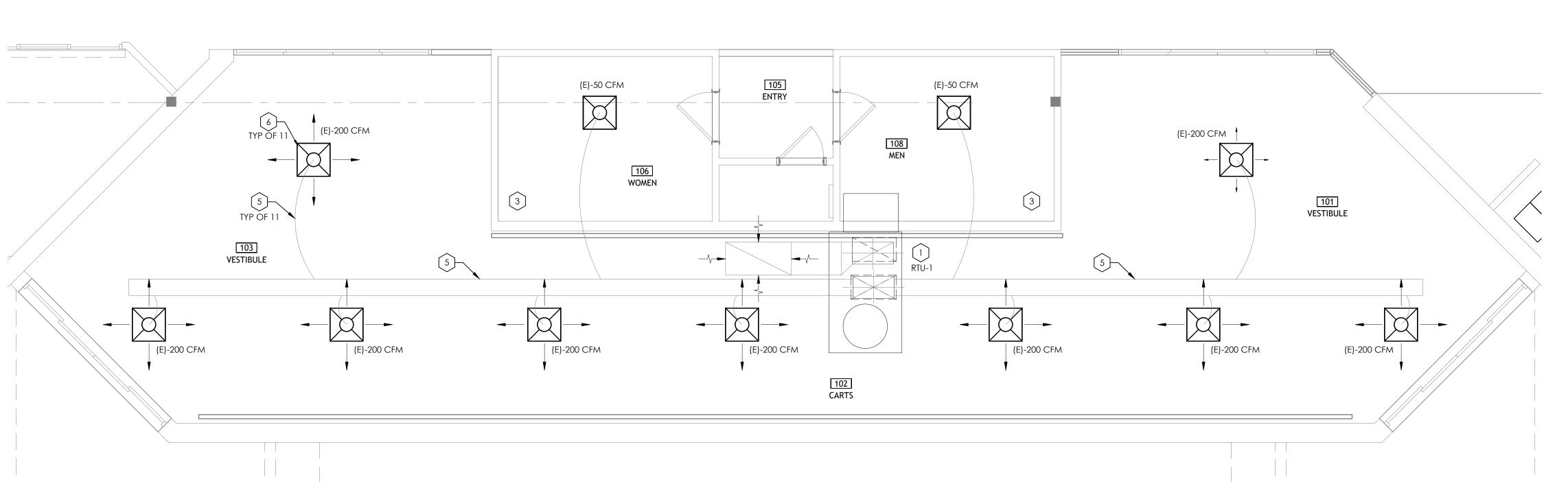
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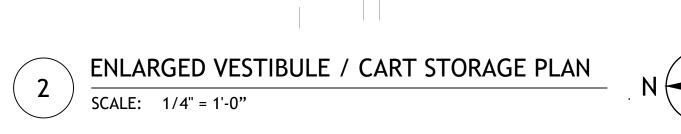






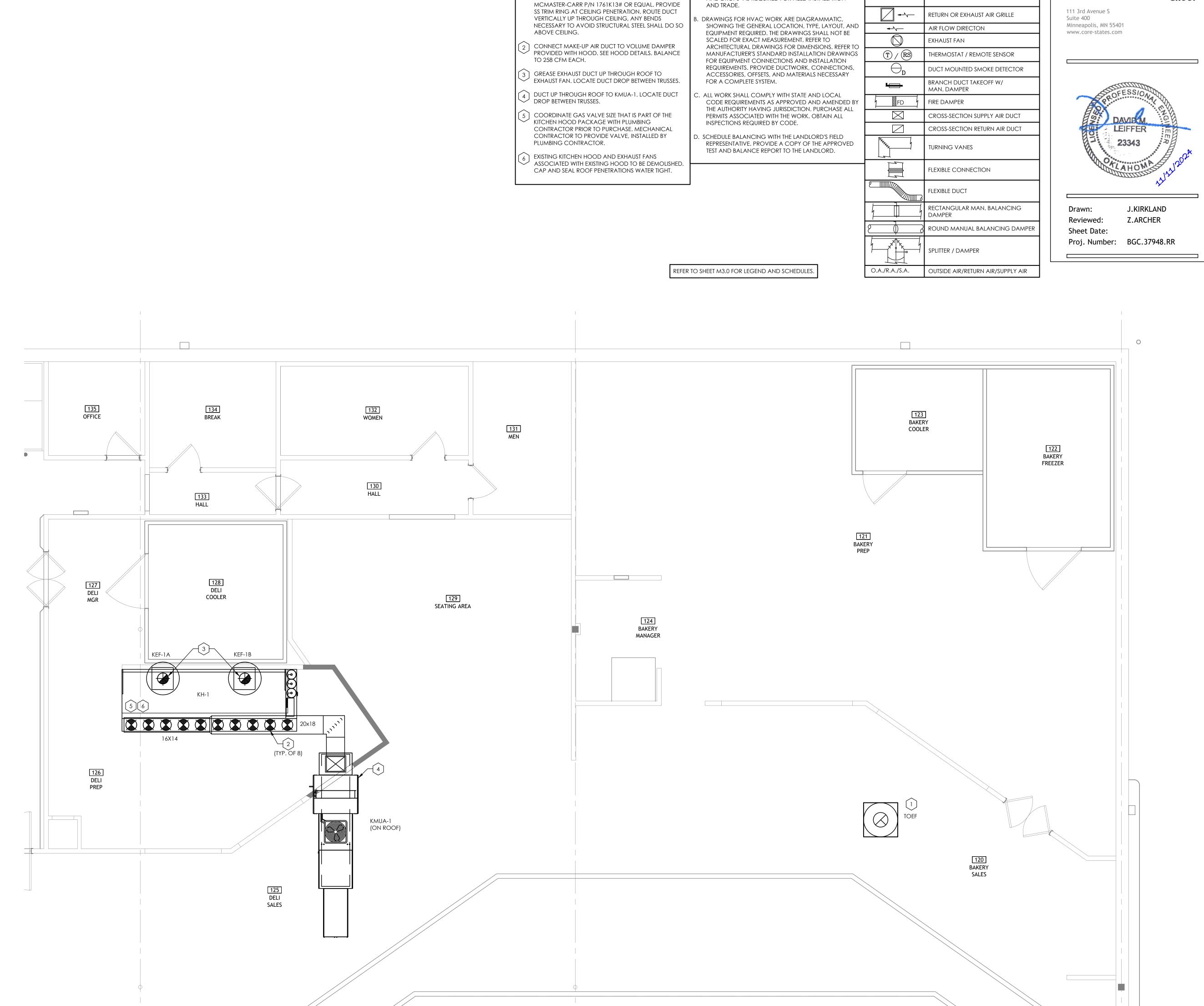








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HVAC NOTES

1 NOTE:NEW TORTILLA OVEN EXHAUST FAN "TOEF" ON

ROOF WITH 8" DIAMETER EXHAUST DUCT. PROVIDE

QUICK-DISCONNECT DUCT AND FITTINGS AT

DISCONNECTED FROM DUCT FOR CLEANING.

EQUIPMENT TIE-IN SO EQUIPMENT CAN BE

GENERAL NOTES

EQUIPMENT FURNISHED BY G.C., REQUIREMENTS OF THE

OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING

AND DROPS AS REQUIRED FOR FIELD INSTALLATION

CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES

A. COORDINATE WITH THE WORK OF OTHER SECTIONS,

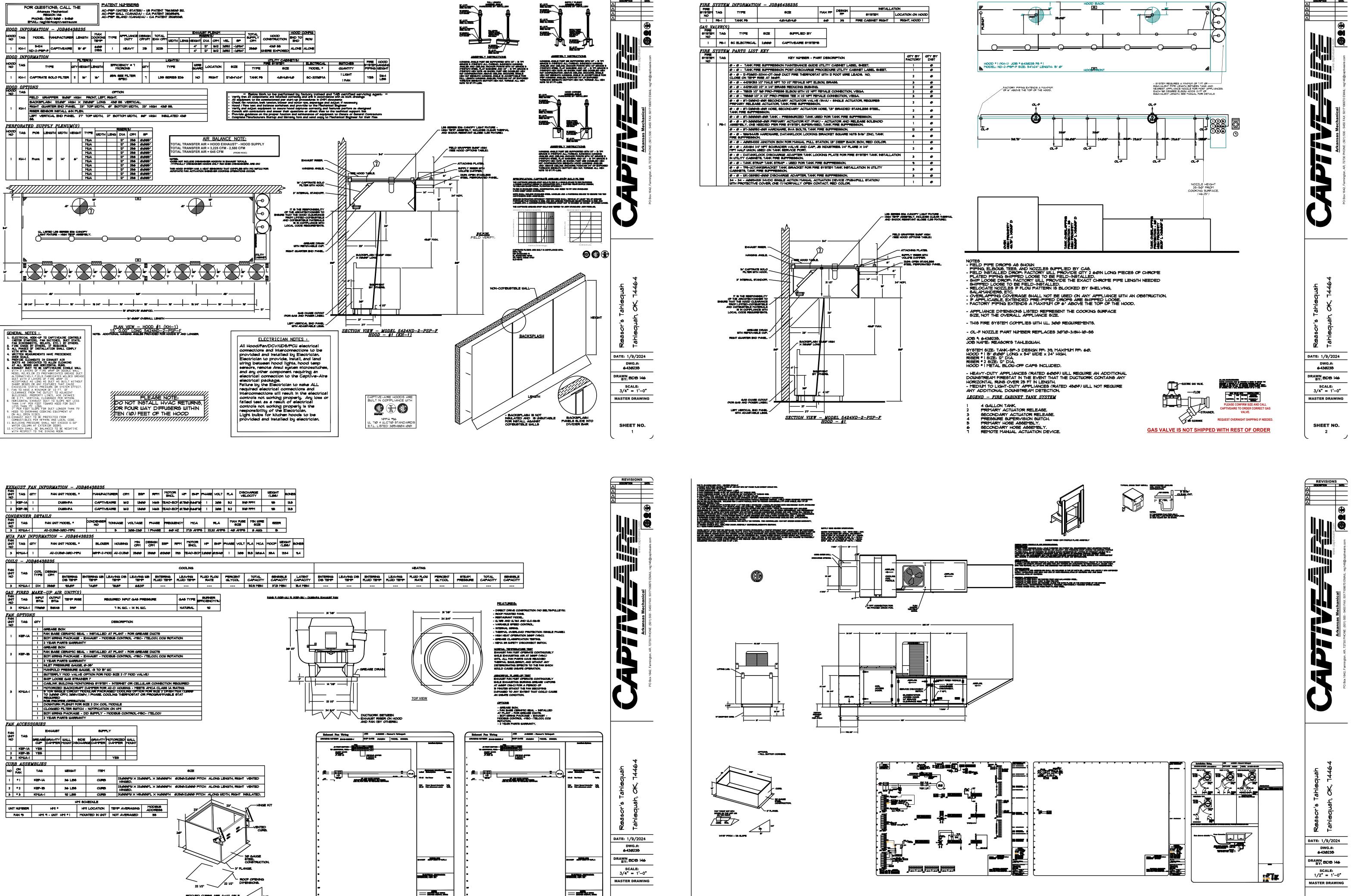
MECHAINCAL SYMBOLS (SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)

SQUARE CEILING SUPPLY AIR DIFFUSER

430 E. Front St. **Tyler, TX 75702** 903-579-0500

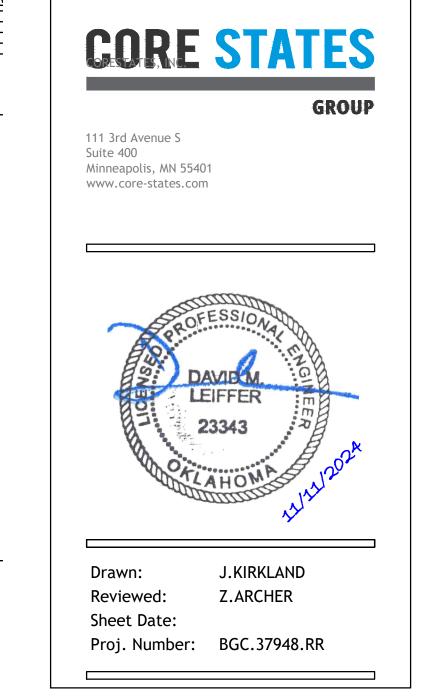
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 $\frac{\text{ENLARGED DELI PLAN}}{\text{SCALE:} \quad 1/4" = 1'-0"}$



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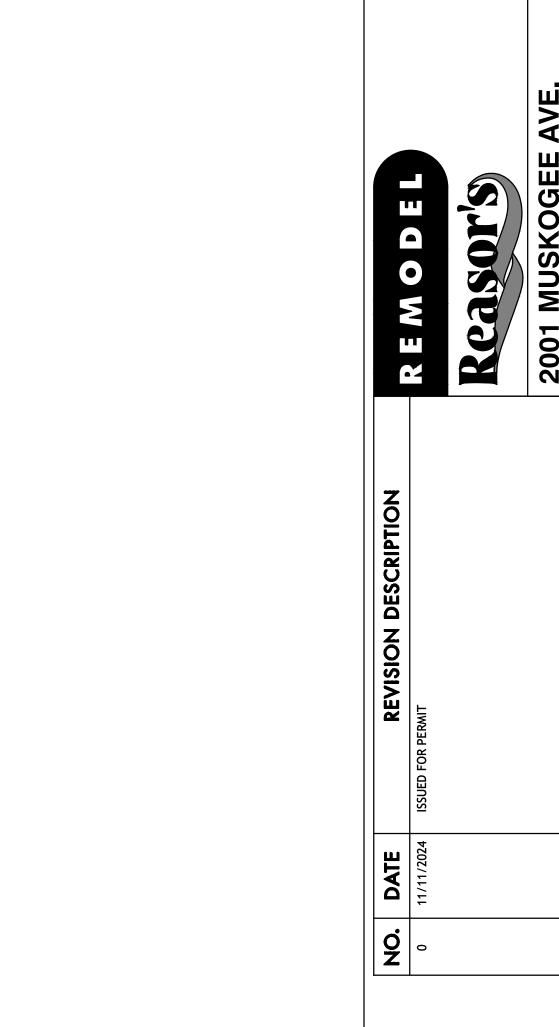
SPECIFY PITCH: EXAMPLE: 1/2 PITCH = 36 SLOPE.



430 E. Front St.

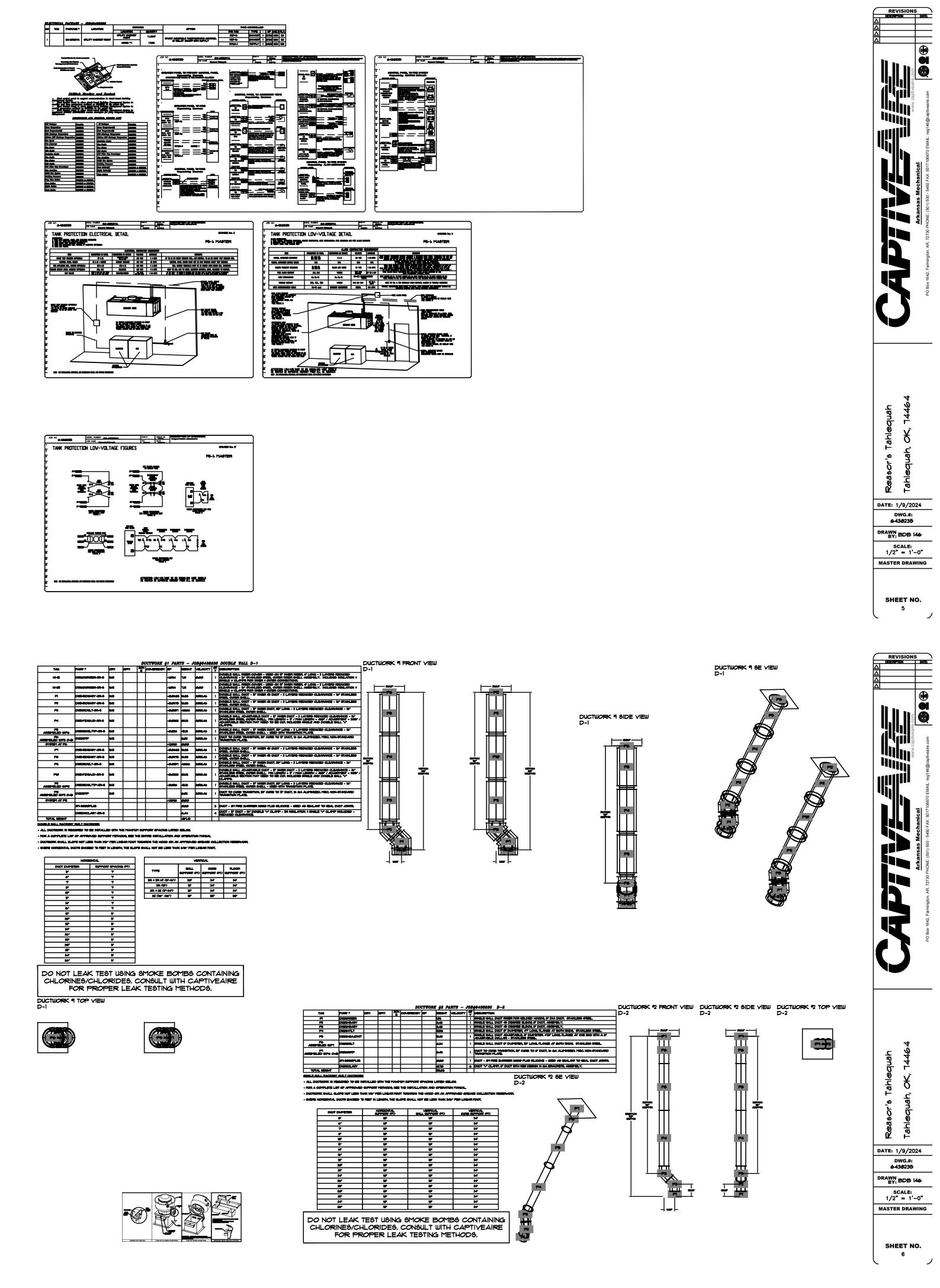
Tyler, TX 75702

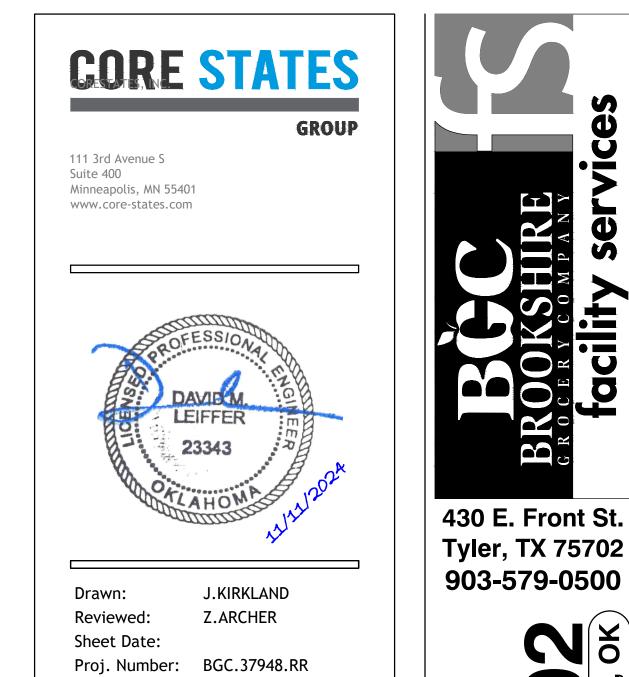
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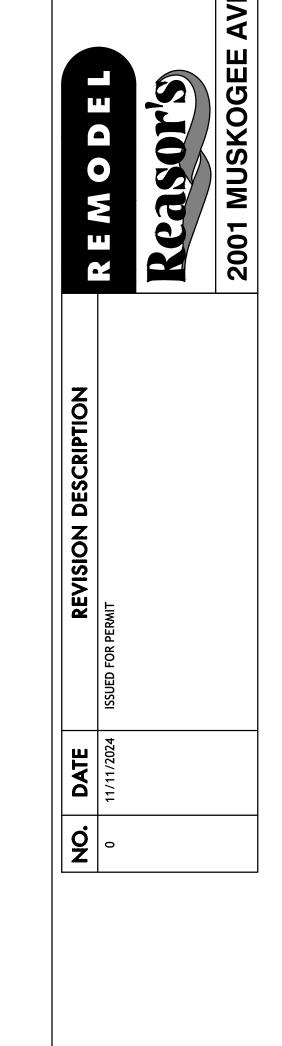


SHEET NO.











		AIR DEVICE	SCHEDU	JLE
MARK	SERVICE	MANUFACTURER	MOUNTING	FRAME TYPE
		MODEL	TYPE	STYLE
		ACCESSORIES		NOTES
SD1	SUPPLY AIR	TITUS	CEILING	LAY-IN
		TMSA	DIFFUSER	SQUARE
		VD1, VD2		1,2,3,4,5,6,7
RG1	RETURN AIR	TITUS	CEILING	LAY-IN
		50F	GRILLE	EGGCRATE
				1,2,3,4,5,6,7
CCECCO	DIEC.			

VD1 VOLUME DAMPER AT DEVICE, CONCEALED KEY OPERATOR VD2 VOLUME DAMPER AT TAKEOFF DEVICE

- 1. DEVICE SIZE SHALL BE AS SHOWN ON DRAWINGS. BALANCE TO CFM SHOWN.
- AIRFLOW PATTERN SHALL BE AS SHOWN ON DRAWINGS. BAKED ENVIRO-THERM #25 OFF-WHITE FINISH & #84 BLACK FINISH (SALES ONLY).
- CONTRACTOR MUST SELECT SCHEDULED MATERIALS OR APROVED EQUAL.
- APPROVED MANUFACTURERS ARE: TITUS, CARNES, MEAL-AIRE, AND J&J. WHERE NOT INDICATED ON DRAWINGS, DUCT RUN-OUT TO MATCH DEVICE NECK SIZE.
- SUPPORT DEVICE INDEPENDENT OF DUCTWORK. SUSPEND FROM STRUCTURE WHERE NO CEILING IS INDICATED..

	EX	HAUST FAN	SCHI	EDUL	E			
MARK	AREA(S) SERVED	MANUFACTURER MODEL NO.	TYPE	CFM (CFM)	ESP	VOLTS/PHASE HP DRIVE	CONTROL	NOTE
TOEF	TORTILLA MAKER	GREENHECK CUE-099-A-4	ROOF	900	.625	120/1 0.25 DIRECT	INTERLOCKED W. OVEN CONTROLS	XXX

- MECHANICAL CONTRACTOR SHALL PROVIDE MOTOR STARTER INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE WITH BACKDRAFT DAMPER.
- PROVIDE WITH GREENHECK MODEL "GPF" ROOF CURB FOR HIGH WIND. . INTERLOCK WITH OVEN CONTROLS SO THAT BOTH RUN TOGETHER.
- 5. ALUMINUM CONSTRUCTION. 6. UPBLAST DISCHARGE FOR GREASE LADEN AIR.
- TOEF EXHAUST FAN TO HAVE TIMER INSTALLED ALLOWING FOR ADDITIONAL 30 MIN. OF RUN TIME AFTER SHUT-DOWN.

	PA	4CKA	AGED ROC	OFTOP UNIT	SCHEE	DULE		
mark Size	MANUFACTURER MODEL NO. TYPE	CFM ESP* O/A	COOLING TOTAL (MBH)	HEATING CAPACITY(MBH) (IN/OUT)	VOLTS PHASE HERTZ	MCA MOCP	UNIT WEIGHT	ACCESSORIES NOTES IEER
RTU-1 5 TON	CAPTIVEAIRE CASRTU1-I.125-15-5T PACKAGED A/C	2000 0.5" 360	65.7	(113.6/92.0)	208 3 60	28.4 30.0	1186 lbs.	A,B 1,2,3 11.5

A. REMOTE-MOUNTED HEATING/COOLING CONTROLLER/THERMOSTAT: "LIGHTSTAT" MODEL TME-POI WITH "ON/OFF/AUTO" HEATING AND COOLING AND "ON/OFF" FAN SWITCH.

- B. PROVIDE ENTHALPY CONTROLLED 100% OUTSIDE ECONOMIZER OPERATION W/ BAROMETRIC RELIEF.
- 1. COOLING CAPACITY BASED ON 80-DEG F DB AND 67-DEG F WB EVAPORATOR COIL ENTERING AIR TEMPERATURE WITH 95-DEG F DB
- AMBIENT AIR CONDITIONS ON CONDENSING UNIT. 2. MANUFACTURER AND MODEL NUMBER LISTED ABOVE REPRESENTS A STANDARD. CONTRACTOR SHALL CHOOSE A SCHEDULED UNIT
- OR A COMPARABLE UNIT OF A DIFFERENT MANUFACTURER.
- 3. INSTALL SMOKE DETECTORS IN RETURN/SUPPLY DUCT AS REQUIRED BY LOCAL CODE.

* ESP = STATIC PRESSURE AVAILABLE TO UNIT. (NOT INCLUDING THE COIL.)

GENERAL NOTES

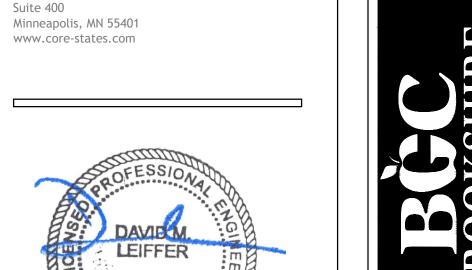
- . COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY G.C., REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE.
- DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- . ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- . SCHEDULE BALANCING WITH THE LANDLORD'S FIELD REPRESENTATIVE. PROVIDE A COPY OF THE APPROVED TEST AND BALANCE REPORT TO THE LANDLORD.

ADA NOTE

LIGHT SWITCHES, ELECTRICAL OUTLETS, AND OTHER ENVIRONMENTAL CONTROLS SHALL HAVE OPERABLE PARTS TO THE CONTROLS LOCATED NO HIGHER THAN 48", AND NO LOWER THAN 15".



111 3rd Avenue S



430 E. Front St.

J.KIRKLAND Drawn: Z.ARCHER Reviewed: Sheet Date: Proj. Number: BGC.37948.RR **Tyler, TX 75702** 903-579-0500

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ITEMS LISTED IN THE FOLLOWING PARAGRAPHS. B. PROVIDED BY CONTRACTOR: AIR CONDITIONING AND HEATING, HOODS AND EXHAUST FANS, FACTORY BUILT AIR CONDITIONING AND HEATING UNITS, SINGLE ZONE SPLIT SYSTEM, FILTERS, FANS, MOTORS, DRIVES, HVAC UNITS, ETC. C. AIR DISTRIBUTION SYSTEM: SHEET METAL DUCTWORK, VOLUME DAMPERS, SPLITTER DAMPERS, TURNING VANES, AIR CONTROL DEVICES, GRILLES, REGISTERS, DIFFUSERS, FLEXIBLE DUCT, INSTALL PER SMACNA STANDARDS. FIBERGLASS DUCT BOARD IS NOT

AN ACCEPTABLE ALTERNATIVE. D. PLUMBING: SOIL, WASTE AND VENT PIPING, DOMESTIC HOT AND COLD WATER DISTRIBUTION, HOT WATER GENERATORS, FIXTURES, GREASE TRAPS, VENTS, CONDENSATE LINES OF HVAC AND MISCELLANEOUS EQUIPMENT, UNDERFLOOR OR OVER HEAD SODA, REFRIGERANT LINE CONDUIT AND/OR ROOF LEADERS. E. MISCELLANEOUS SUPPLY AND EXHAUST FANS, MAKE-UP AIR UNITS, TEMPERATURE CONTROLS, THERMAL INSULATION, APPARATUS FOUNDATIONS AND SUPPORTS, PIPE HANGERS AND SUPPORTS AND ALL NECESSARY TOOLS, ACCESSORIES AND APPLIANCES AS REQUIRED TO MAKE ALL SYSTEMS COMPLETE AND OPERATIVE. F. WORK SHALL COMPLY TO APPLICABLE CODE AND THE OWNER'S MINIMUM REQUIREMENTS AS STATED HEREIN OR OTHERWISE INDICATED BY THE OWNER. G. SEE ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS. ALL CONDITION

REQUIREMENTS SHALL APPLY UNLESS OTHERWISE NOTED.

2. PRODUCTS AND EXECUTION:

A. ELECTRICAL PROVISIONS FOR MECHANICAL WORK: EXCEPT FOR SUCH ITEMS AS ARE NORMALLY WIRED UP AT THEIR POINT OF MANUFACTURE AND SO DELIVERED, AND UNLESS SPECIFICALLY NOTED TO THE CONTRARY HEREIN, THE ELECTRICAL SUBCONTRACTOR WILL DO ALL ELECTRIC WIRING OF EVERY CHARACTER FOR POWER SUPPLY, LINE VOLTAGE CONDUIT AND LOW VOLTAGE CONTROL WIRING AND CONDUIT. THE ELECTRICAL SUBCONTRACTOR SHALL ERECT ALL MOTORS IN PLACE READY FOR CONNECTION. EXCEPT FOR SUCH ITEMS AS ARE NORMALLY SUPPLIED WITH STARTERS INSTALLED, (HVAC UNITS, ETC) AT THEIR POINT OF MANUFACTURE. ALL OTHER STARTERS NOT FURNISHED WITH EQUIPMENT TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. THE ELECTRICAL SUBCONTRACTOR WILL MOUNT ALL SUCH STARTERS, AS DIRECTED, FURNISHING SUPPORTING STRUCTURES WHERE NECESSARY. THE OWNER AND OTHER CONTRACTORS SHALL FURNISH WITH EACH ITEM REQUIRING ELECTRICAL CONNECTIONS, THE NECESSARY INSTRUCTIONS AND WIRING DIAGRAMS TO THE ELECTRICAL SUBCONTRACTOR. THE ELECTRICAL SUBCONTRACTOR SHALL REFER TO THE SPECIFICATIONS TO DETERMINE THE SCOPE OF THE WORK.

B. CHASES AND OPENINGS; VARIOUS DIVISIONS, HOWEVER, THE LOCATIONS OF ALL INSERTS AND OPENINGS SHALL BE DETERMINED AND COORDINATED WITH OTHER DIVISIONS IN AMPLE TIME TO AVOID CUTTING NEW CONSTRUCTION.

C. ROOF FLASHING OF DUCTS AND CURBS: DIVISION 7, HOWEVER, PLUMBING VENT FLASHING AND COUNTER FLASHING SHALL BE PROVIDED UNDER THIS DIVISION AND PER ROOF MANUFACTURER RECOMMENDATIONS.

D. OPENINGS IN ROOF DECK: WHERE PIPING, DUCTS, VENTS OR ANY OTHER MECHANICAL APPARATUS PENETRATES ROOF DECK AND OPENING IS NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS, OBTAIN ARCHITECT'S APPROVAL OF LOCATION AND SIZE. HAVE LANDLORD APPROVED ROOF DECK INSTALLER DO CUTTING AND PAY INSTALLER COST OF CUTTING AND FLASHING OPENING.

3. PERMITS, FEES AND CODE REGULATIONS: A. PERMITS: OBTAIN ALL PERMITS REQUIRED TO DO THIS WORK AND PAY ANY FEES, AND

UTILITIES / EQUIPMENT CHARGES. B. REGULATIONS: CONFORM TO ALL STATE AND LOCAL ORDINANCES AND RULINGS APPLICABLE TO THIS WORK AND IN EFFECT AT THE TIME THE WORK IS PERFORMED. APPROVAL OF VARIOUS INSURING AND INSPECTION AUTHORITIES SHALL BE OBTAINED. WHEN REQUESTED, COMPETENT EVIDENCE OF COMPLIANCE, WITH APPLICABLE CODES, SHALL BE FURNISHED.

C. CONFLICTS: IF A CONFLICT EXISTS BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS AND ANY ABOVE MENTIONED AUTHORITY, THE CONTRACTOR SHALL ADVISE THE ARCHITECT/ENGINEER IN WRITING FIVE (5) DAYS PRIOR TO PRESENTING PROPOSAL OR INCLUDE ALL COST REQUIRED TO MEET REGULATIONS.

4. STRUCTURAL AND SPACE CONDITION:

A. THE SPECIFICATIONS AND ACCOMPANYING DRAWINGS ARE INTENDED TO ENCOMPASS A SYSTEM THAT WILL NOT INTERFERE WITH THE STRUCTURAL, ELECTRICAL AND ARCHITECTURAL DESIGN OF THE BUILDING, AND WHICH WILL FIT INTO THE SEVERAL AVAILABLE SPACES. AS IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS AND OBSTRUCTIONS OF STRUCTURAL CONDITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK IN SUCH A MANNER THAT IT WILL CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS AND INTERFERENCES WITH ALL OTHER TRADES, PRESERVE HEADROOM, AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.

B. DO NOT RUN PIPING OR DUCTWORK, OR LOCATE EQUIPMENT (WITH RESPECT TO SWITCHBOARDS, PANELBOARDS, POWER PANELS, MOTOR CONTROL CENTERS OR DRY TYPE TRANSOFRMERS) WITHIN 42" IN FRONT OF EQUIPMENT, OVER EQUIPMENT OR WITHIN 36" HORIZONTALLY OF SAME SPACE.

DRAWINGS:

A. THE DRAWINGS AS PREPARED ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. CHANGES FROM THE DRAWINGS NECESSARY TO FIT THE WORK OF VARIOUS TRADES, TO CONFORM TO EQUIPMENT ACTUALLY BEING INSTALLED, OR TO CONFORM TO THE RULES OF AUTHORITIES HAVING JURISDICTION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.

6. AS-BUILT DRAWINGS:

A. PROVIDE AND KEEP UP-TO-DATE, A COMPLETE RECORD SET OF PRINTS WHICH SHALL BE CORRECTED DAILY WITH DATED NOTATIONS, AND INDIVIDUAL WHO APPROVED CHANGES, AND SHALL SHOW EVERY CHANGE FROM THE ORIGINAL CONTRACT DRAWINGS. THIS SET OF PRINTS SHALL BE KEPT ON THE JOB SITE AND SHALL BE USED ONLY AS A RECORD SET. CONTRACTOR SHALL PREPARE AND SUBMIT AS-BUILT DRAWINGS TO THE OWNER, AND ENGINEER IF REQUESTED.

7. PROTECTION OF MATERIALS:

A. TAKE SUCH PRECAUTIONS AS ARE NECESSARY TO PROTECT ALL EQUIPMENT AND MATERIALS FROM DAMAGE.

8. Workmanship: A. LABOR SHALL BE PERFORMED IN A NEAT WORKMANLIKE MANNER BY MECHANICS SKILLED IN THEIR PARTICULAR TRADES.

MATERIALS AND EQUIPMENT:

A. ALL MATERIALS SHALL BE NEW AND OF COMMERCIAL QUALITY. WHERE MANU-FACTURER'S NAMES AND MODEL NUMBERS ARE MENTIONED IN THE SPECIFICATIONS, AND/OR DRAWINGS, IT IS INTENDED TO SET A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED TO LIMIT COMPETITION UNLESS SPECIFICALLY STATED IN DRAWINGS OR TO DISCRIMINATE AGAINST "EQUAL" PRODUCTS OF OTHER MANUFACTURER. THE WORDS "OR APPROVED EQUAL" ARE TO FOLLOW EACH MATERIAL SPECIFICATION WHERE A SUBSTITUTION WILL BE CONSIDERED. ANY PROPOSED SUBSTITUTION MUST BE SUBMITTED FOR COMPARISON AND THE ENGINEER SHALL BE THE SOLE JUDGE IN THE MATTER. CONTRACTOR MUST INCLUDE COST OF ALL STRUCTURAL CHANGES TO FACILITATE ALTERATIONS IN BID COST.

GENERAL MECHANICAL REQUIREMENTS

B. GUARANTEE: FURNISH WRITTEN CERTIFIED GUARANTEE, IN ACCEPTABLE FORM, TO THE OWNER, AGAINST DEFECTIVE WORKMANSHIP, MATERIALS, AND OPERATING EQUIPMENT; FURTHER, GUARANTEE TO REBALANCE AND ADJUST ENTIRE SYSTEM OR ANY PART THEREOF, AS REQUIRED FOR PERFECT OPERATION FOR A PERIOD OF AT LEAST ONE (1) YEAR AFTER ACCEPTANCE, INCLUDING COST OF REFRIGERANT CHARGE. REPAIR, REPLACE AND MAKE SATISFACTORILY OPERATIVE ANY AND ALL DEFECTIVE ITEMS, AND WORK. HOLDING OWNER FREE FROM ANY COST AND LIABILITY IN CONNECTION THEREWITH FOR THE TERM OF GUARANTEE. THE MANUFACTURER SHALL PROVIDE A WARRANTY ON HIS UNIT COMPRESSORS FOR A PERIOD OF FIVE (5) YEARS AND HEAT EXCHANGER FOR A PERIOD OF 10 YEARS.

10. VIBRATIONS AND NOISE: A. EACH OF THE VARIOUS PIECES OF EQUIPMENT SHALL OPERATE WITHOUT

OBJECTIONABLE VIBRATION OR NOISE. ALL ROTATING EQUIPMENT SHALL BE IN STATIC AND DYNAMIC BALANCE AND SHALL BE MOUNTED, SUPPORTED AND FASTENED SO THAT NO EQUIPMENT VIBRATION WILL BE TRANSMITTED TO THE BUILDING. THE SPECIFIC SIZE OF VIBRATION ISOLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. IF, IN THE OPINION OF THE OWNER/ARCHITECT/ENGINEER, OBJECTIONABLE VIBRATION OR TRANSMISSION THEREOF TO THE BUILDING OCCURS, THE CONTRACTOR SHALL EXECUTE REMEDIAL MEASURES AS MAY BE NECESSARY TO ELIMINATE SUCH UNSATISFACTORY OPERATING CONDITIONS AT THE CONTRACTOR'S EXPENSE.

11. OPERATING INSTRUCTIONS:

A. BROCHURES: WRITTEN INSTRUCTIONS, ASSEMBLED AND BOUND IN BROCHURES, SHALL BE FURNISHED IN TRIPLICATE FOR OPERATING AND MAINTAINING ALL EQIUPMENT FURNISHED UNDER THIS DIVISION OF THE SPECIFICATIONS. INSTRUCTIONS SHALL INCLUDE ALL NORMAL ADJUSTMENTS, A LIST OF LUBRICATING POINTS WITH THE TYPE AND FREQUENCY OF LUBRICATION REQUIRED. PARTS LISTS SHALL BE FURNISHED.

B. DEMONSTRATION: UPON COMPLETION AND ACCEPTANCE OF WORK BY THE OWNER, THE CONTRACTOR SHALL BE REQUIRED TO INSTRUCT THE OPERATING PERSONNEL IN THE OPERATION OF THE ENTIRE INSTALLATION. TWO SESSIONS SHALL BE HELD, ONE FOR SUMMER OPERATION AND ONE FOR WINTER OPERATION, BOTH IN THE

RESPECTIVE SEASONS. C. EQUIPMENT LOCATION AND USE: PROVIDE, IN TRIPLICATE, SUITABLY BOUND OPERATING BOOK CONTAINING ALL EQUIPMENT, ITS LOCATION, USE AND DESCRIPTION, AND BUILDING SCHEMATICS. SUBMIT TO ARCHITECT AND ENGINEER

FOR APPROVAL BEFORE PRINTING IN FINAL FORM. D. CONTRACTOR SHALL INSTRUCT MANAGER ON THE PROGRAMMING OF ALL THERMOSTATS. THIS SHALL BE A HANDS-ON EXPLANATION. CONTRACTOR SHALL ALSO

PROVIDE MANAGER WITH BOOKLET SHOWING PROGRAMMING INSTRUCTIONS.

12. FINAL INSPECTIONS:

A. SCHEDULE: UPON COMPLETION OF CONTRACT, THERE SHALL BE A FINAL INSPECTION OF THE COMPLETED INSTALLATION. PRIOR TO THIS INSPECTION, ALL WORK UNDER THIS DIVISION SHALL HAVE BEEN COMPLETED, TESTED, BALANCED, AND ADJUSTED AND IN FINAL OPERATING CONDITION.

B. PERSONNEL: A QUALIFIED PERSON REPRESENTING THE CONTRACTOR MUST BE PRESENT AT THIS FINAL INSPECTION TO DEMONSTRATE THE SYSTEM AND PROVE THE PERFORMANCE OF THE EQUIPMENT.

A. WHERE CUTTING AND PATCHING BECOMES NECESSARY TO PERMIT THE INSTALLATION OF ANY WORK UNDER THIS CONTRACT, OR SHOULD IT BECOME NECESSARY TO REPAIR ANY DEFECTS THAT MAY APPEAR IN PATCHING UP TO THE EXPIRATION OF THE GUARANTEE, SUCH CUTTING SHALL BE DONE UNDER THE SUPERVISION OF THE OWNER BY THE TRADE OF SUBCONTRACTOR WHOSE WORK IS TO BE DISTURBED. AFTER THE NECESSARY WORK HAS BEEN COMPLETED, THE TRADE OF SUBCONTRACTOR WHOSE WORK HAS BEEN DISTURBED SHALL REPAIR DAMAGE. THE COST OF ALL CUTTING AND PATCHING SHALL BE PAID BY THE TRADE OF SUBCONTRACTOR REQUIRING IT TO BE DONE.

14. EXCAVATIONS AND BACKFILLING:

A. PROVIDE NECESSARY EXCAVATING AND BACKFILLING FOR THE INSTALLATION OF WORK SPECIFIED IN THIS DIVISION. TRENCHES FOR UNDERGROUND PIPING AND CONDUITS SHALL BE EXCAVATED TO REQUIRED DEPTHS WITH BELL HOLES PROVIDED AS NECESSARY TO ENSURE UNIFORM BEARING. CARE SHOULD BE TAKEN TO EXCAVATE BELOW DEPTH, AND ANY EXCAVATION BELOW DEPTH SHALL BE REFILLED WITH SAND OR GRAVEL FIRMLY COMPACTED. WHERE ROCK OR HARD OBJECTS ARE ENCOUNTERED, THEY SHALL BE EXCAVATED TO A GRADE SIX INCHES (6") BELOW AS SPECIFIED. AFTER THE PIPE HAS BEEN INSTALLED, TESTED AND APPROVED, THE TRENCHES SHALL BE BACKFILLED TO GRADE WITH APPROVED MATERIAL, WELL-TAMPED OR PADDLED COMPACTLY IN PLACE. DO NOT PROCEED WITH BACKFILL OPERATIONS UNTIL PIPING HAS BEEN INSPECTED BY THE OWNER OR BY THE LOCAL INSPECTOR OF THE MUNICIPALITY IN WHICH THE WORK IS BEING PERFORMED. DO NOT PERFORM BACKFILLING OPERATIONS EXCEPT IN THE PRESENCE OF THE OWNER OR INSPECTOR. ALL PIPING OUTSIDE THE BUILDING SHALL BE INSTALLED BELOW THE FROST LINE. WHERE STREETS, SIDEWALKS, ETC. ARE DISTURBED, CUT OR DAMAGED BY THIS WORK, THE EXPENSE OF REPAIRING SAME IN A MANNER APPROVED BY THE OWNER SHALL BE OF PART OF THIS CONTRACT.

15. GUARANTEE:

A. THE GUARANTEE PROVISION OF THIS SPECIFICATION REQURIES PROMPT REPLACEMENT OF ALL DEFECTIVE WORKMANSHIP AND MATERIALS OCCURRING WITHIN ONE YEAR OF JOB ACCEPTANCE. THIS INCLUDES ALL WORK REQUIRED TO REMOVE AND REPLACE THE DEFECTIVE ITEM AND TO MAKE ALL NECESSARY ADJUSTMENTS TO RESTORE THE ENTIRE INSTALLATION TO ITS ORIGINAL SPECIFIED OPERATING CONDITION AND FINISH AT THE TIME OF ACCEPTANCE.

FIRE STOPPING

A. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR FIRESTOPPING AROUND ALL OPENINGS FOR PIPES, DUCT, CONDUITS ETC., INSTALLED BY HIM AT ALL FIRE WALLS. FIRESTOPPING SHALL BE PERFORMED BY AN INSTALLER WHO HAS BEEN TRAINED BY THE MANUFACTURER, OR MANUFACTURER'S REPRESENTATIVE, IN THE INSTALLATION PROCEDURES BASED ON PUBLISHED UL TESTED FIRE STOP SYSTEMS.

B. FIRESTOPPING SHALL MEET THE REQUIREMENTS OF ASTM E-814 OR UL 1479 FIRE TESTS BY A RECOGNIZED TESTING AGENCY. FIRESTOPPING SHALL ALSO CONFORM TO THE FOLLOWING GOVERNING CODES: LOCAL BUILDING CODE, STATE BUILDING CODE, NFPA 101 - LIFE SAFETY CODE AND NFPA 70 - NATIONAL ELECTRIC CODE.

a. CLEAN PENETRATION HOLES OF DIRT, LOOSE MATERIALS AND FOREIGN MATTER WHICH MAY AFFECT BOND OR INSTALLATION.

SEALERS AS REQUIRED. C. INSTALL BACKING MATERIALS TO PREVENT LIQUID MATERIAL LEAKAGE.

D. APPLICATION a. PREPARE AND APPLY PENETRATION SEALING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.

b. REMOVE COATINGS SUCH AS PAINT, CURING COMPOUNDS, WATER REPELLENT &

b. EMPLOY INSTALLATION TECHNIQUES WHICH WILL ENSURE THAT FIRESTOPPING IS DEPOSITED TO FILL AND SEAL HOLES AND OPENINGS.

C. TOOL EXPOSED SURFACES OF APPLIED SEALANT TO SMOOTH FINISH. d. PROTECT MATERIALS FROM DAMAGE ON SURFACES SUBJECTED TO TRAFFIC.

E. PROVIDE INTUMESCENT SEALANTS AND COLLARS AT OPENINGS INVOLVING PLASTIC OR INSULATED PIPE SIMILAR TO THE METACAULK SERIES 880 AND 950. F. FIRESTOPPING BY DOW CORNING, 3M, HILTI OR METACAULK MAY FURNISHED AT THE CONTRACTOR'S OPTION.

HEATING, VENTILATING AND AIR CONDITIONING

HVAC BY PLUMBING CONTRACTOR.

A. HEATING, VENTILATING AND AIR CONDITIONING WORK REQUIRED, INCLUDING HOISTING OF EQUIPMENT TO THE ROOF AND SETTING IT IN PLACE, INCLUDES, BUT NOT **NECESSARILY LIMITED TO:** a. RTU OR SPLIT HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS (IF NOT

EXISTING NOTED TO BE REUSED) b. ALL HVAC EXHAUST DUCTS, DAMPERS, GRILLS, REGISTERS AND DIFFUSERS. c. INSULATION OF DUCTS AND PIPING.

d. HVAC CONTROLS, REMOTE TEMPERATURE SENSORS AND CONTROL WIRING. B. GAS CONNECTIONS (IF REQUIRED SEE DRAWINGS): PLUMBING CONTRACTOR WILL BRING GAS TO HEATING, VENTILATING AND AIR CONDITIONING AND FINAL TIE-IN TO

INTENT OF DRAWINGS:

A. THE DRAWINGS ARE DIAGRAMMATIC TO THE EXTENT THAT THEY DO NOT INDICATE OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS.

B. PIPING, DUCTWORK, APPARATUS AND EQUIPMENT SHALL BE INSTALLED TO AVOID OBSTRUCTIONS, PRESERVE HEADROOM, KEEP OPENINGS AND PASSAGEWAYS CLEAR, AND MAKE ALL OPERATING EQUIPMENT ACCESSIBLE FOR MAINTENANCE. C. GOVERNING CODES AND STANDARDS:

a. INSTALL ALL WORK IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE STANDARDS OF SAFETY, ADOPTED AND APPROVED BY THE INSURANCE UNDERWRITERS AND THE LATEST STANDARDS RECOGNIZED BY ASHRAE AND SMACNA AND IN ACCORDANCE WITH LOCAL CODE.

b. IN CASE OF CONFLICT BETWEEN SAID CODES AND THE DRAWINGS, THE CODES SHALL GOVERN IN ALL CASES; HOWEVER, NOTIFY OWNER, BEFORE MAKING SUCH CHANGE.

EXAMINATIONS OF DRAWINGS AND SITE:

A. BEFORE COMMENCING THE WORK, THE CONTRACTOR SHALL CAREFULLY STUDY THE DRAWINGS, SPECIFICATIONS AND SITE. HE SHALL DEFINITELY DETERMINE IN ADVANCE THE METHODS OF INSTALLING AND CONNECTING THE APPARATUS, THE MEANS FOR GETTING THE EQUIPMENT INTO PLACE, AND SHALL MAKE THEMSELVES FAMILIAR WITH ALL OF THE REQUIREMENTS OF THE CONTRACT. EQUIPMENT SHALL PHYSICALLY FIT THE AREA ALLOCATED WITH AMPLE ACCESS FOR SERVICE.

B. THE CONTRACTOR SHALL REFER ANY DISCREPANCIES TO THE ARCHITECT FOR DECISION BEFORE PROCEEDING WITH THE WORK.

4. SUBMITTALS:

A. MATERIALS LIST: THE CONTRACTOR SHALL SUBMIT, AT HIS EXPENSE, THREE (3) COPIES OF EQUIPMENT BROCHURES IN INDEX FORM WITHIN FIFTEEN (15) DAYS AFTER CONTRACT IS SIGNED. ALL EQUIPMENT AND MATERIAL SUBMITTALS SHALL BE SUBMITTED AT ONE TIME. THE DRAWINGS SUBMITTED SHALL BEAR THE STAMP OF APPROVAL OF THE CONTRACTOR AS EVIDENCE THAT THE DRAWINGS HAVE BEEN CHECKED BY THE CONTRACTOR AND COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS.

5. COORDINATION OF OTHER TRADES:

ARCHITECT OR OWNER.

A. THE WORK UNDER THIS SECTION SHALL BE COORDINATED WITH OTHER TRADES TO MAINTAIN A RAPID AND SMOOTH CONSTRUCTION PROGRESS WITH A MINIMUM OF INTERFERENCE.

A. APPLY ONE (1) COAT OF ZINC CHROMATE, OR RUSTOLEUM TO BARE METAL

A. ALL EQUIPMENT AND EXPOSED SURFACES SHALL BE LEFT SMOOTH AND CLEAN. ALL PLATE WORK SHALL BE POLISHED AND THE ENTIRE PREMISES SHALL BE CLEANED OF

SURFACES OF SUPPORTS, ETC. COLOR TO MATCH UNIT'S COLOR OR AS DIRECTED BY

UNUSED MATERIALS, RUBBISH, AND DEBRIS AND GREASE SPOTS.

8. PRODUCTS: A. GENERAL a. ALL EQUIPMENT SHALL BE THE CAPACITY AND TYPE SHOWN ON THE EQUIPMENT SCHEDULE ON THE DRAWINGS AND SHALL AS MANUFACTURED BY ONE OF THE

B. SHEETMETAL WORK a. Sheetmetal: Prime Steel Sheets, hot dipped galvanized of the following

MANUFACTURERS DESIGNATED ON THAT SCHEDULE OR SHALL BE AN EQUAL

GAUGES: a.1. UP TO 12" WIDE OR DIAMETER, #26

APPROVED IN ADVANCE BY THE ARCHITECT.

a.2. 13" TO 30" WIDE OR DIAMETER, #24

a.3. 31" TO 60" WIDE OR DIAMETER, #22 a.4. PARTITIONS FORMING PLENUM OR SUCTION CHAMBERS, #18 GAUGE WITH 1-1/2" X 1-1/2" X 3/16" GALVANIZED IRON ANGLE AND RIVETS FOR SEAM CONNECTION AND STIFFENING.

a.5. EXPOSED ROUND DUCT SHALL BE SPIRAL TYPE SIMILAR TO SEMCO "SS" 75 DUAL WALL ROUND PIPE WITH 2" INSULATION, PERFORATED LINER WITH ALL REQUIRED FITTINGS. PIPE SHALL BE 24-26 GA.

C. DUCT CONSTRUCTION:

a. LONGITUDINAL JOINTS: PITTSBURGH CORNER SEAMS OR SNAP LOCK. b. TRANSVERSE JOINTS: GOVERNMENT LOCKS RIVETED AT CORNERS, CONSTRUCTED OF METAL ONE GAUGE HEAVIER THAN THAT JOINTING DUCT SECTIONS. DUCTS UNDER 20" MAY BE JOINTED WITH TRANSVERSE CAPSTRIPS.

c. SUPPORTS: EXCEPT AS OTHERWISE SPECIFIED, ALL DUCT HANGERS SHALL BE CONSTRUCTED OF 3/4" NO. 16 GALVANIZED STRAP, SPACING NOT TO EXCEED EIGHT FOOT INTERVALS. WHERE DUCT HANGERS EXCEED SIX FEET IN LENGTH, PROVIDE ADEQUATE SWAY BRACING. ALL VERTICAL DUCTS SHALL BE SUPPORTED ON ANGLE IRON BRACKETS. d. ELBOWS: MADE FOR AN EASY FLOW OF AIR FOR MINIMUM FRICTION, INSIDE

RADIUS EQUAL TO WIDTH OF DUCT. PROVIDE ELBOWS WITH APPROVED DUCT TURNS WHERE INDICATED ON PLANS OR WHERE SPACE DOES NOT PERMIT REQUIRED RADIUS. e. FLEXIBLE CONNECTION: AT ALL FANS, CONNECTIONS SHALL BE NEOPRENE

COATED GLASS FIBER CLOTH ENDS WHICH ARE TO BE TURNED INTO ABUTTING ENDS OF SHEETMETAL OR ANGLE IRON FRAMES SO AS TO FORM A GASKET TO FORM AN AIR TIGHT JOINT. f. WORKMANSHIP AND CONSTRUCTION SHALL MEET AND EXCEED THE STANDARDS

AS SET FORTH BY SMACNA. D. GRILLES, REGISTERS AND DIFFUSERS:

a. SIZES: AS INDICATED ON DRAWINGS. b. SUPPLY DIFFUSERS: AS INDICATED ON DRAWINGS.

c. RETURN AIR REGISTERS: AS INDICATED ON DRAWINGS.

E. DUCT INSULATION: a. Insulate all supply, make-up air and return air ducts with foil-faced BLANKET, SEE PLANS FOR ADDITIONAL INFORMATION. MAXIMUM 25 FLAME SPREAD 50 SMOKE DEVELOPED UL LABELED.

b. COMPLY WITH LOCAL CODES.

F. FLEXIBLE DUCTWORK: a. Shall have an impervious inner core with wire reinforcement. The inner DUCT SHALL BE COVERED WITH FIBERGLASS DUCT INSULATION WITH A POLYETHYLENE VAPOR-PROOF JACKET, FLEXIBLE DUCT SHALL BE UL-181 LISTED. CLASS 1, AND SHALL MEET ALL APPLICABLE CODES AND THE REQUIREMENTS OF THE LANDLORD.

HEATING, VENTILATING AND AIR CONDITIONING

G. DX HVAC UNITS:

a. UNITS SELECTED AT ARI OUTDOOR AMBIENT CONDITIONS.

b. NO UNIT LOSSES INCLUDED. ALLOW FOR WET COIL AND DIRTY FILTER.

c. Provide two sets of approved pleated filters. Change filters prior to air BALANCE, AND AFTER FINAL STORE CLEANING. d. PROVIDE 7 DAY MINIMUM PROGRAMMABLE THERMOSTAT. PROVIDE SENSOR AS

SHOWN PER PLAN. THERMOSTAT SHALL BE CODE COMPLIANT AND HAVE ECONOMIZER CONTROL CAPABILITY.

e. PROVIDE UNIT WITH CO2 INDOOR AIR QUALITY SENSOR AND CONTROLS PER PLAN. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL SMOKE DETECTOR, ELECTRICAL CONTRACTOR TO WIRE. SMOKE DETECTOR TO SIGNAL FIRE ALARM PANEL AND TURN OFF UNIT WHEN ACTIVATED.

12. EXHAUST HOOD AND FAN SYSTEM:

A. KITCHEN HOODS, SUPPLY, EXHAUST AND TOILET EXHAUST FANS; COMPLETE WITH ROOF MOUNTING CURBS, COLLARS AND DAMPERS. THE CONTRACTOR WILL HANG THE HOODS, SET FAN CURBS AND FANS, AND FURNISH AND INSTALL ALL INTERCONNECTING DUCTWORK AS, REQUIRED BY CODE AND PER HOOD MANUFACTURER'S CUT SHEETS. TYPE II HOODS SHALL HAVE GALVANIZED SHEET METAL EXHAUST DUCTWORK AND TYPE I HOODS SHALL HAVE WELDED STAINLESS STEEL EXHAUST DUCTWORK UNLESS OTHERWISE INDICATED.

13. TOILET EXHAUST FANS:

A. TOILET EXHAUST FANS: COMPLETE WITH ROOF-MOUNTED CURB, COLLAR AND DAMPER. THE CONTRACTOR SHALL SET FAN CURB AND THE FAN, AND COORDINATE THE ELECTRICAL INTERLOCK WITH ELECTRICAL CONTRACTOR FOR SIMULTANEOUS OPERATION WITH ROOF-TOP UNITS.

14. FIRE DAMPER A. BASED ON RUSKIN FD-35. FIRE DAMPERS IN LOW VELOCITY DUCTWORK SHALL BE FURNISHED WITH INTERLOCKING HINGED BLADES. ALL DAMPERS SHALL BE UL APPROVED AND LABELED AND SHALL MEET ALL REQUIREMENTS OF NFPA NO. 90A. FURNISH WITH UL LABELED FUSIBLE LINKS WITH TEMPERATURE RANGES TO CONFORM TO NFPA RECOMMENDATIONS. ALL FIRE DAMPERS SHALL BE DYNAMIC TYPE.

AIR STREAM. C. ALL OTHER FIRE DAMPERS SHALL BE TYPE "B" WITH BLADES. OUT OF THE AIR STREAM UNLESS OTHERWISE NOTED.

B. DAMPERS AT WALL GRILLES, REGISTERS, ETC., SHALL BE TYPE "A" WITH BLADES IN THE

15. ACCESS DOOR

A. ACCESS DOORS SHALL BE INSULATED, AIRTIGHT, "HINGED" AND GASKETED STYLE, WITH A MINIMUM OF TWO QUICK ACTION LATCHES. DOOR SHALL BE MOUNTED IN A GALVANIZED STEEL FRAME WITH AN INSIDE "FOLD-OVER" FLANGE FOR DUCT ATTACHMENT. DOOR HEIGHT SHALL BE 24"; WIDTH SHALL BE EQUAL TO THE DUCT WIDTH OR 12" WHICHEVER IS LESS, UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS.

16. EXECUTION - GENERAL

A. ACCESSIBILITY - ALL EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER THAT ALL COMPONENTS REQUIRING ACCESS ARE LOCATED AND INSTALLED THAT THEY MAY BE SERVICED, RESET, REPLACED, OR RECALIBRATED, ETC., BY SERVICE PEOPLE WITH NORMAL SERVICE TOOLS AND EQUIPMENT. B. WORK BY OTHER TRADES - FOR THE WORK REQUIRED BY OTHER TRADES FOR

CHANGES MADE BY THIS CONTRACTOR IN TYPE OR SIZE OF EQUIPMENT PURCHASED, ANY CUTTING, PATCHING, FURRING, PAINTING, ELECTRICAL OR PLUMBING WORK SHALL BE DONE BY THE AFFECTED TRADE AT THIS CONTRACTOR'S EXPENSE. C. WORK NOT INCLUDED - POWER WIRING, INCLUDING FINAL CONNECTIONS, IS BY THE

ELECTRICAL CONTRACTOR. D. FURNISH THE STARTING EQUIPMENT TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION. CONTROL WIRING, INCLUDING 115V FROM POWER SOURCE, CONDUIT AND SWITCHES SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR. CONTROL DEVICES, THERMOSTATS, INTERLOCKS, ETC. SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR. WIRING DIAGRAMS AND INSTALLATION INSTRUCTIONS SHALL BE FURNISHED TO THE OWNER UPON PROJECT COMPLETION.

E. EARLY START-UP - THIS CONTRACTOR SHALL ENSURE THAT ALL MECHANICAL EQUIPMENT IS CONNECTED WITH ELECTRICAL POWER AS EARLY AS POSSIBLE SO THAT BALANCING AND TESTING CAN BEGIN AT THE EARLIEST DATE AVAILABLE.

F. CLEANING AND PAINTING - THOROUGHLY CLEAN ALL EQUIPMENT AND REMOVE ALL TRASH, CARTONS, ETC., FROM THE WORK AREA, MAKE ANY NECESSARY CORRECTIONS OR REPAIR/REPLACE ANY DAMAGED MATERIALS OR EQUIPMENT. LEAVE THE ENTIRE PROJECT SPACE IN A THOROUGHLY CLEAN AND ORDERLY MANNER. ANY FINISHED SURFACES THAT HAVE BEEN SCRATCHED OR DISCOLORED SHALL BE TOUCHED UP OR REPAINTED TO MATCH THE ORIGINAL COLOR. IF ANY PART HAS BEEN BENT , BROKEN OR OTHERWISE DAMAGED, IT SHALL BE REPLACED PRIOR TO PROJECT CLOSEOUT. ALL METAL ITEMS INSIDE THE BUILDING SUBJECT TO RUSTING, AND ALL FERROUS METAL EXPOSED TO THE WEATHER SHALL BE GIVEN ONE COAT OF RUST PREVENTIVE PRIMER AS SOON AS INSTALLED.

G. ALL EQUIPMENT AND RELATED PIPING, DUCTWORK, CONTROL WIRING AND ACCESSORIES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES AND, IF INSTALLED WITHIN THE BUILDING ENVELOPE SHALL BE INSTALLED AS HIGH AS POSSIBLE TO ALLOW THE MAXIMUM AMOUNT OF HEADROOM. EQUIPMENT THAT REQUIRES ROUTINE MAINTENANCE SUCH AS FILTER REPLACEMENT SHALL BE INSTALLED AND ARRANGED TO BE ACCESSIBLE. PROVIDE ACCESS PANEL(S) AS REQUIRED AND/OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED WITH THE REQUIRED CLEARANCES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER OR AS REQUIRED BY GOVERNING CODES, WHICHEVER

IS GREATER.

17. EXECUTION - DUCTWORK A. LOW PRESSURE DUCTWORK AND FITTINGS SHALL BE MADE TIGHT FOR MINIMUM AIR LEAKAGE. DUCT TAPE SHALL NOT BE USED TO SEAL JOINTS, TO MAKE TRANSITIONS OR FOR ANY OTHER REASON ON THE OUTSIDE OF WRAPPED INSULATION.

B. INSTALL DUCTWORK AS HIGH AS POSSIBLE

C. PROVIDE TURNING VANES AT ALL CHANGES IN DIRECTION. D. PROVIDE VANED TEES AT BRANCH CONNECTIONS SERVING MORE THAN ONE

DIFFUSER. E. PROVIDE VOLUME CONTROL DAMPERS AND BALANCING DEVICES AS REQUIRED TO DISTRIBUTE THE AIR AND AS INDICATED ON THE DRAWINGS.

F. DUCT DIMENSIONS INDICATED ON THE DRAWINGS ARE INSIDE CLEAR, OR "FREE AREA" DIMENSIONS. CONTRACTOR SHALL MAKE ALLOWANCE FOR INTERNAL DUCT LINER (WHERE SPECIFIED) WHEN ORDERING PRE-FABRICATED DUCTWORK OR WHEN FABRICATING DUCTS IN THE FIELD.

18. EXECUTION - FLEXIBLE DUCTWORK

A. DUCTWORK SHALL BE LIMITED IN LENGTH TO THAT NECESSARY TO MAKE CONNECTIONS BETWEEN TRUNK OR BRANCH DUCTS AND AIR DEVICES. FLEX DUCT LENGTH SHALL NOT EXCEED 5'-0".

B. ALL FLEX DUCT SHALL BE FULLY STRETCHED OUT TO REDUCE AIR RESISTANCE. C. CONNECTIONS TO FITTINGS OR AIR DEVICES SHALL BE MADE WITH TWO (2) STAINLESS STEEL BANDS. THE INNER LINER SHALL BE CLAMPED TIGHT WITH THE FIRST BAND, THEN THE INSULATION AND VAPOR-PROOF JACKET PULLED TO BE TIGHT AGAINST THE DUCT FITTING OR AIR DEVICE AND SECURED WITH THE SECOND BAND. INSTALLATION SHALL BE AS RECOMMENDED BY THE DUCT MANUFACTURER AND SMACNA.

D. SUPPORT THE FLEXIBLE DUCT WITH ADEQUATE HANGERS TO RELIEVE STRAIN ON ANY FITTING. UNNECESSARY BENDS, SAGS, TWISTS, ETC., WILL NOT BE ALLOWED.

HEATING, VENTILATING AND AIR CONDITIONING

19. EXECUTION - DUCT INSULATION

A. ALL DUCTWORK DESIGNATED TO RECEIVE DUCT LINER SHALL BE COMPLETELY COVERED WITH LINER. TRAVERSE JOINTS SHALL BE NEATLY BUTTED AND THERE SHALL BE NO INTERRUPTIONS OR GAPS.

B. DUCT LINER SHALL BE CUT AS REQUIRED TO ENSURE OVERLAPPED AND COMPRESSED LONGITUDINAL CORNER JOINTS. C. FASTENERS SHALL START WITHIN 3" OF THE UPSTREAM TRAVERSE EDGES OF THE LINER

AND 3" FROM THE LONGITUDINAL JOINTS AND SHALL BE SPACED AT A MAXIMUM OF 12" O.C. AROUND THE PERIMETER OF THE DUCT. ELSEWHERE THEY SHALL BE SPACED AT A MAXIMUM OF 18" O.C., EXCEPT THAT THEY SHALL BE PLACED NOT MORE THAN 6" FROM A LONGITUDINAL JOINT OF THE LINER OR 12" FROM A CORNER BREAK. D. DUCT WRAP SHALL BE INSTALLED IN A NEAT AND COMPETENT MANNER WITH ALL

EDGES NEATLY COVERED WITH AN APPROVED METALLIC DUCT TAPE TO VAPOR-PROOF THE ENTIRE DUCT. LAPS AND JOINTS SHALL BE SECURED WITH INSULATION STAPLES AND THEN COVERED WITH APPROVED TAPE.

20. EXECUTION - AIR DEVICES A. INSTALL ALL GRILLES AND DIFFUSERS TO BE FLUSH WITH THE PENETRATED SURFACE AND LEVEL OR STRAIGHT WITH SURROUNDING FEATURES. SUPPORT CEILING MOUNTED GRILLES AND DIFFUSERS AT THE PROPER HEIGHT TO HOLD IT SNUG AGAINST

21. INSTALL ROOF MOUNTED EQUIPMENT SUPPORT RAILS OR ROOF CURB AS REQUIRED FOR THE JOB CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER FOR THE INSTALLATION OF ROOF MOUNTED EQUIPMENT. THE EXACT LOCATION OF ALL ROOF MOUNTED EQUIPMENT IS SUBJECT TO SITE CONDITIONS AND THE APPROVAL OF THE GENERAL CONTRACTOR. COORDINATE THE ENTIRE INSTALLATION WITH THE GENERAL CONTRACTOR AND OTHER TRADES. A. CONTRACTOR SHALL PROVIDE A TEMPORARY PLYWOOD WORK PLATFORM THAT

ROOF DURING THE ENTIRE PERIOD OF INSTALLATION AND SHALL BE REMOVED FROM THE ROOF AND THE SITE BY THIS CONTRACTOR UPON COMPLETION OF THE INSTALLATION. B. ALL ROOF PENETRATIONS FOR POWER AND CONTROL WIRING CONDUITS AND GAS,

CONDENSATE, OR REFRIGERANT PIPING SHALL BE MADE WITH WATERPROOF PIPE

AND/OR DUCTS ARE TO BE INSTALLED. THE ENTIRE WORK AREA SHALL REMAIN ON THE

COMPLETELY SURROUNDS THE AREA WHERE NEW ROOF MOUNTED EQUIPMENT

22. THIS CONTRACTOR SHALL ENGAGE THE SERVICES OF AN AABC OR NEBB CERTIFIED AIR BALANCE CONTRACTOR TO ADJUST AND COMPLETELY BALANCE THE INSTALLED SYSTEM(S) TO THE DESIGN AIR QUANTITIES. CONTRACTOR SHALL PROVIDE THE OWNER AND THE ARCHITECT A COPY OF THE CERTIFIED AIR BALANCE REPORT SHOWING DESIGN AND MEASURED AIR QUANTITIES, STATIC PRESSURES, SUPPLY AIR TEMPERATURE, RETURN AIR TEMPERATURE, CONDENSER INLET TEMPERATURE, CONDENSER OUTLET TEMPERATURE, FAN MOTOR RPM AND MOTOR CURRENT AND AS REQUIRED PER APPLICABLE CODE. DEVIATION BETWEEN DESIGN AND MEASURED QUANTITIES SHALL NOT BE GREATER THAN

A. A COPY OF THE AIR BALANCE REPORT SHALL BE PROVIDED TO THE BUILDING INSPECTOR TO SHOW COMPLIANCE WITH APPLICABLE CODE AT OR BEFORE FINAL MECHANICAL INSPECTION.

23. INSTALLATION OF EQUIPMENT:

CUT INTO LOAD CARRYING MEMBERS WITHOUT THE SPECIFIC APPROVAL OF THE B. EQUIPMENT, FIXTURES, AND ACCESSORIES SHALL NOT BE SUPPORTED FROM CEILING, SOFFIT, NEUTRAL PIERS, PIPING, DUCTWORK, METAL ROOF DECK, LATERAL BRACING,

BRIDGING OR CONDUIT. ITEMS SHALL ONLY BE SUPPORTED FROM STRUCTURE WHICH

A. AVOID INTERFERENCE WITH STRUCTURE AND THE WORK OF OTHER TRADES: DO NOT

B. ACCEPTANCE: a. THE SYSTEM SHALL NOT BE CONSIDERED FOR ACCEPTANCE UNTIL THE MECHANICAL SUBCONTRACTOR HAS COMPLETED WORK AND DEMONSTRATED TO THE REPRESENTATIVE OF THE OWNER, PROPER OPERATION OF THE SYSTEM AND COMPLIANCE WITH THE SPECIFICATIONS, PARTICULARLY IN REFERENCE TO THE

b. TESTING c. CLEANING

d. INSTRUCTIONS AND OPERATING MANUALS e. TRAINING OF OPERATING PERSONNEL

HAS BEEN APPROVED BY THE ARCHITECT FOR SUPPORT.

FOLLOWING ARTICLES OF THESE SPECIFICATIONS:

f. AS-BUILT DRAWINGS g. GUARANTEE CERTIFICATES

h. START UP AND TEST DOCUMENT i. INDEPENDENT AIR BALANCE REPORT

SHALL BE FORWARDED TO THE ARCHITECT.

24. AIR CONDITIONING UNIT START-UP AND TEST: A. ALL AIR CONDITIONING EQUIPMENT SHALL BE STARTED AND CHECKED BY THE MANUFACTURER'S FACTORY SERVICE PERSONNEL. THE MANUFACTURER SHALL CORRECT ANY PROBLEMS ARISING WITH THE EQUIPMENT. THE MANUFACTURER SHALL PROVIDE A CHECKLIST OR REPORT ON THE OPERATION OF THE EQUIPMENT, WHICH

25. GUARANTEE: A. THE GUARANTEE PROVISION OF THIS SPECIFICATION REQUIRES PROMPT REPLACEMENT OF ALL DEFECTIVE WORKMANSHIP AND MATERIALS OCCURRING WITHIN ONE YEAR OF JOB ACCEPTANCE. THIS INCLUDES ALL WORK REQUIRED TO REMOVE AND REPLACE THE DEFECTIVE ITEM AND TO MAKE ALL NECESSARY ADJUSTMENTS TO RESTORE THE ENTIRE INSTALLATION TO ITS ORIGINAL SPECIFIED

B. FOR THE SAME PERIOD, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE

CAUSED TO THE PREMISES BY DEFECTS IN HIS WORKMANSHIP OR WORK AND/OR

OPERATING CONDITION AND FINISH AT THE TIME OF ACCEPTANCE.

EQUIPMENT INSTALLED BY OTHERS UNDER HIS CONTRACT.

Minneapolis, MN 55401

www.core-states.com

Reviewed:

Sheet Date:

GROUP 111 3rd Avenue S



J.KIRKLAND

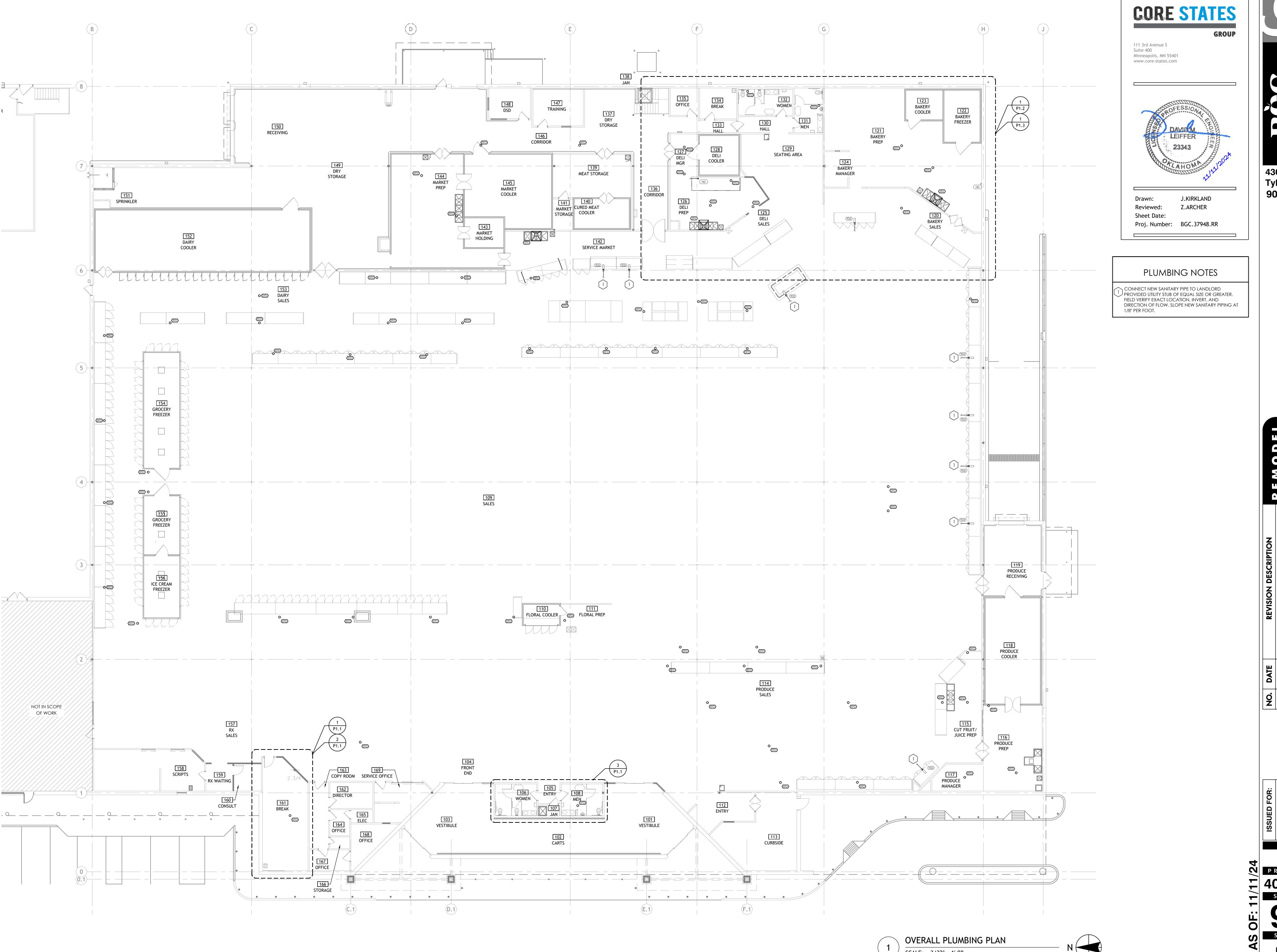
Z.ARCHER

Proj. Number: BGC.37948.RR

Tyler, TX 75702 903-579-0500

430 E. Front St.

09/23 PROJECT NO. 4090200-0

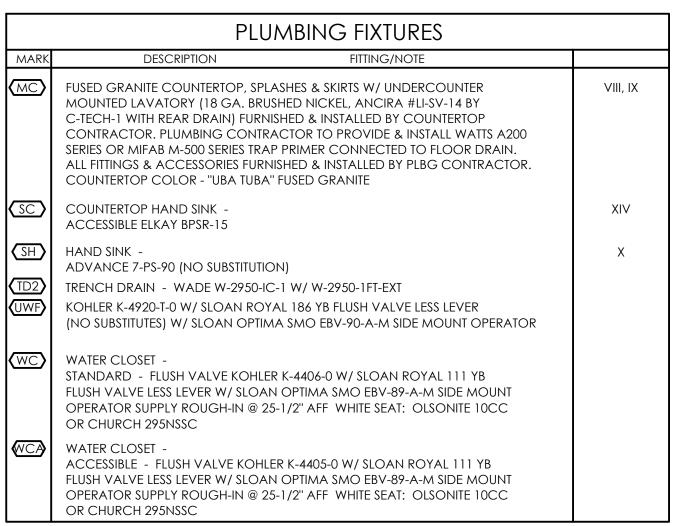


430 E. Front St. **Tyler, TX 75702** 903-579-0500

DATE 09/23 PROJECT NO. **4090200-0**

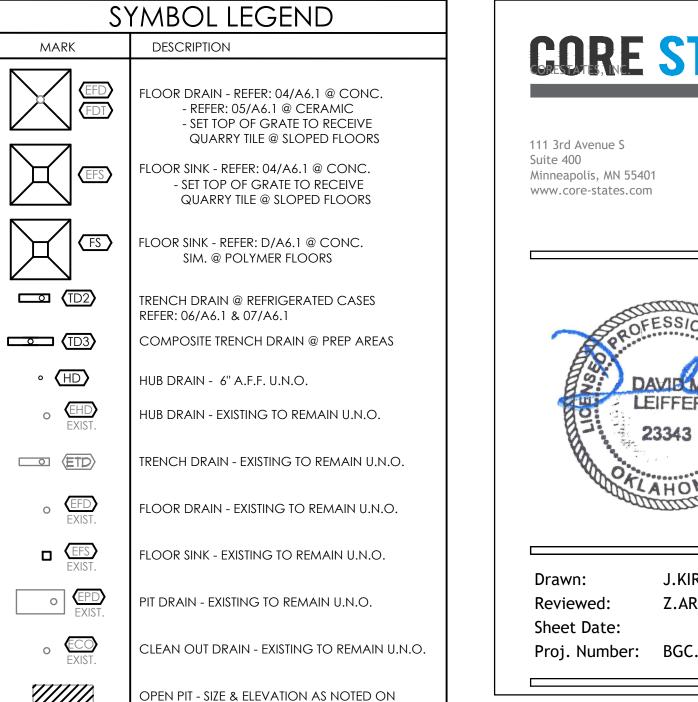
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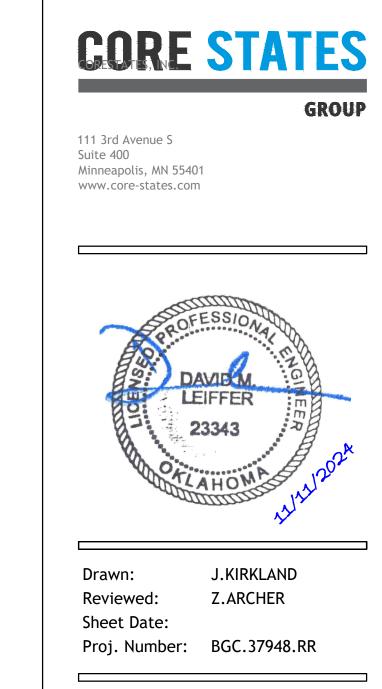
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	FITTING TYPES
NARK DESCRIPTION VIII LAVATORY FAUCET - ACCESSIBLE ZURN AQUASENSE Z6950-XL-S-CWB-MV FAUCET W/ GRID STRAINER D ELJER 804-1180 P-TRAP. SET FOR 20 SECONDS RUN TIME MINIMUM. IX PROVIDE (1) LEONARD 210-SB MIXING VALVE @ HOT WATER SUPPLY I LOCATE BEHIND 12"X12" ACCESS PANEL (PER SPECIFICATIONS). X PROVIDE COMPLETE W/ PACKAGE FAUCET & FITTINGS. XIV FAUCET - ELKAY LK-2223, T&S B-301 OR CHICAGO 50-CP, ELKAY LK-36 DRAIN & ELJER 804-1180 P-TRAP. NOTES SUBSTITUTIONS: KOHLER & AMERICAN STANDARD ARE ACCEPTABLE AS EQUAL MANUFACTURERS TO ELJER JOSAM AND ZURN ARE ACCEPTABLE AS EQUAL MANUFACTURERS TO WADE RUUD IS ACCEPTABLE AS EQUAL MANUFACTURER TO A.O. SMITH NO OTHER MANUFACTURERS WILL BE CONSIDERED (UNO)	DESCRIPTION
VIII	zurn aquasense z6950-xl-s-cwb-mv faucet w/ grid strainer drain &
IX	PROVIDE (1) LEONARD 210-SB MIXING VALVE @ HOT WATER SUPPLY BRANCH. LOCATE BEHIND 12"X12" ACCESS PANEL (PER SPECIFICATIONS).
Χ	PROVIDE COMPLETE W/ PACKAGE FAUCET & FITTINGS.
XIV	
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	NOTES
M/ JC RU	ITUTIONS: KOHLER & AMERICAN STANDARD ARE ACCEPTABLE AS EQUAL ANUFACTURERS TO ELJER ISSAM AND ZURN ARE ACCEPTABLE AS EQUAL MANUFACTURERS TO WADE UD IS ACCEPTABLE AS EQUAL MANUFACTURER TO A.O. SMITH
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PROV - TYP	ITUTIONS: KOHLER & AMERICAN STANDARD ARE ACCEPTABLE AS EQUAL ANUFACTURERS TO ELJER ISAM AND ZURN ARE ACCEPTABLE AS EQUAL MANUFACTURERS TO WADE UD IS ACCEPTABLE AS EQUAL MANUFACTURER TO A.O. SMITH DO OTHER MANUFACTURERS WILL BE CONSIDERED (UNO) TIDE CHROME-PLATED CAST BRASS TAILPIECE, P-TRAPS, ANGLE STOPS & ESCUTCHEONS ICAL ALL SINKS & LAVATORIES PRAINBOARDS SHALL BE INTEGRAL W/ SINK UNIT

	FITTING TYPES
MARK	DESCRIPTION
VIII	LAVATORY FAUCET - ACCESSIBLE ZURN AQUASENSE Z6950-XL-S-CWB-MV FAUCET W/ GRID STRAINER DRAIN & ELJER 804-1180 P-TRAP. SET FOR 20 SECONDS RUN TIME MINIMUM.
IX	PROVIDE (1) LEONARD 210-SB MIXING VALVE @ HOT WATER SUPPLY BRANCH. LOCATE BEHIND 12"X12" ACCESS PANEL (PER SPECIFICATIONS).
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MA JO RU	ITUTIONS: KOHLER & AMERICAN STANDARD ARE ACCEPTABLE AS EQUAL NUFACTURERS TO ELJER SAM AND ZURN ARE ACCEPTABLE AS EQUAL MANUFACTURERS TO WADE UD IS ACCEPTABLE AS EQUAL MANUFACTURER TO A.O. SMITH O OTHER MANUFACTURERS WILL BE CONSIDERED (UNO)
MA JO RU NC	NUFACTURERS TO ELJER SAM AND ZURN ARE ACCEPTABLE AS EQUAL MANUFACTURERS TO WADE UD IS ACCEPTABLE AS EQUAL MANUFACTURER TO A.O. SMITH
MA JO RU NC PROV - TYPI	NUFACTURERS TO ELJER SAM AND ZURN ARE ACCEPTABLE AS EQUAL MANUFACTURERS TO WADE UD IS ACCEPTABLE AS EQUAL MANUFACTURER TO A.O. SMITH OOTHER MANUFACTURERS WILL BE CONSIDERED (UNO) IDE CHROME-PLATED CAST BRASS TAILPIECE, P-TRAPS, ANGLE STOPS & ESCUTCHEONS





PLUMBING NOTES

& FS'S INDICATED THE SLAB BLOCK-OUT SIZES

PLAN - REFER: 09/A6.1 & 10/A6.1

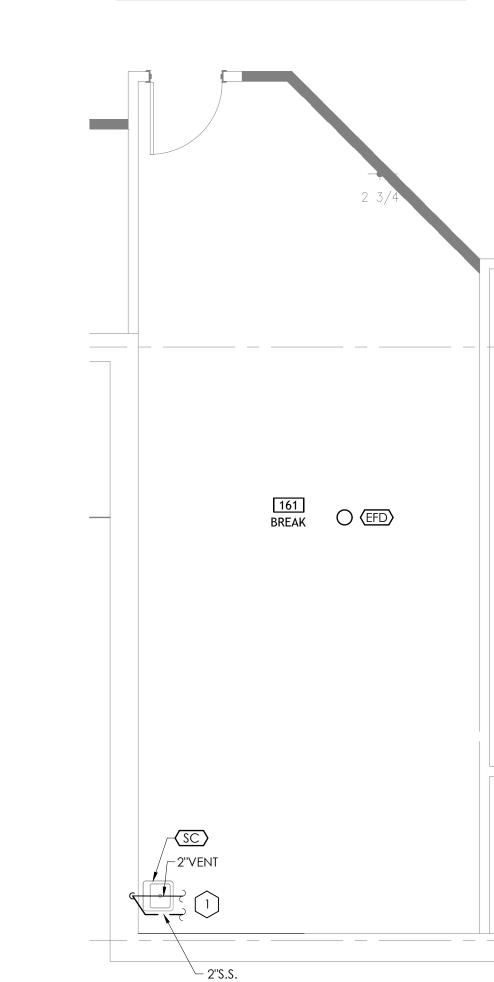
REFRIGERATION SYSTEM NO.

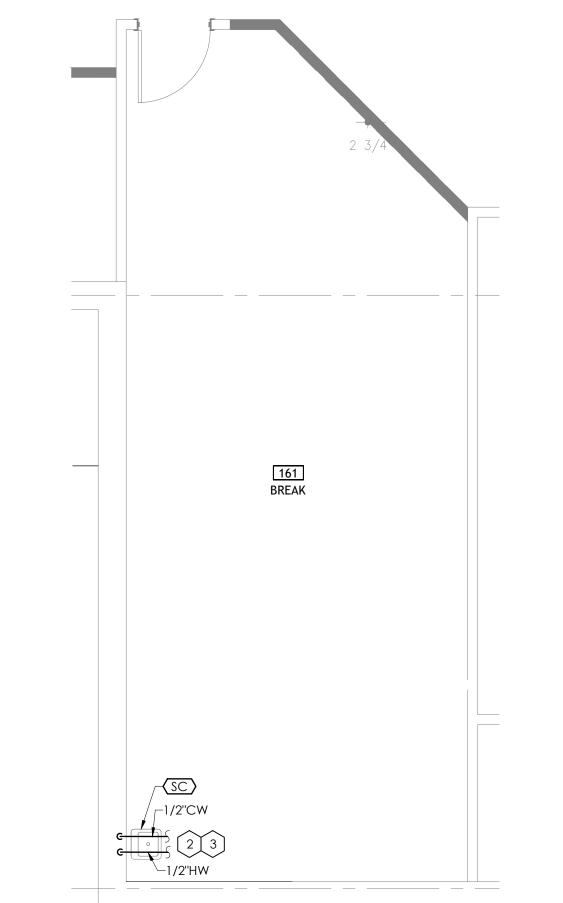
NOTE: 3030, 2020, ETC. LABELS ON PLANS @ FD'S

OF 3'-0"x 3'-0", 2'-0"x 2'-0", ETC.

- 1 CONNECT NEW SANITARY PIPE TO LANDLORD PROVIDED UTILITY STUB OF EQUAL SIZE OR GREATER. FIELD VERIFY EXACT LOCATION, INVERT, AND DIRECTION OF FLOW. SLOPE NEW SANITARY PIPING AT 1/8" PER FOOT.
- 2 CONNECT NEW COLD AND HOT WATER PIPE TO LANDLORD PROVIDED UTILITY STUB OF EQUAL SIZE OR GREATER. FIELD VERIFY EXACT LOCATION.
- NEW SINK TO BE TENANT PROVIDED AND CONTRACTOR / INSTALLED.
- 4 NEW HANDICAPPED WATER CLOSET, WATER CLOSET, AND LAVATORY TO BE INSTALLED. EXISTING ASSOCIATED WATER, SANITARY, AND VENT PIPING TO REMAIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO INSTALLATION.
- 5 NEW HANDICAPPED WATER CLOSET, URINAL, AND LAVATORY TO BE INSTALLED. EXISTING ASSOCIATED WATER, SANITARY, AND VENT PIPING TO REMAIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO INSTALLATION.

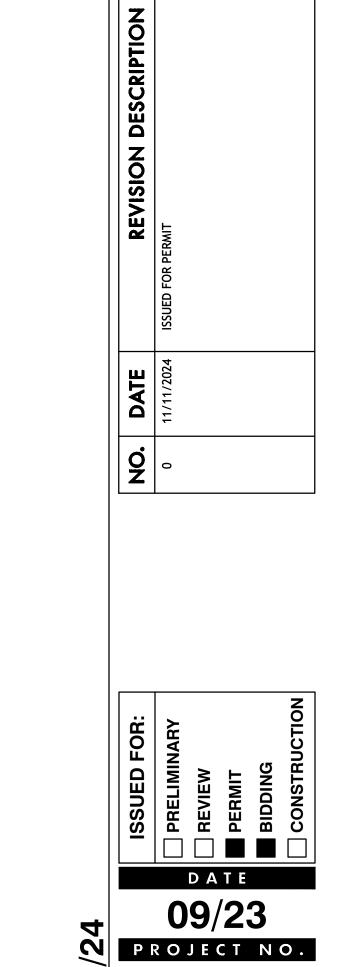
NOTE: PLUMBING CONTRACTOR TO FIELD VERIFY SIZE, LOCATION, INVERT, AND DIRECTION OF FLOW FOR ALL EXISTING SANITARY SEWER BEING CONNECTED TO. ENSURE THAT EXISTING SANITARY LINE IS OF EQUAL OR GREATER SIZE THAN THE NEW SANITARY LINE CONNECTING TO IT. NOTIFY OWNER AND ENGINEER OF ANY DEFICIENCIES FOUND DURING FIELD VERIFICATION.





2 ENLARGED BREAK ROOM DOMESTIC WATER
SCALE: 1/4" = 1'-0"

ENLARGED BREAK ROOM WASTE & VENT
SCALE: 1/4" = 1'-0"



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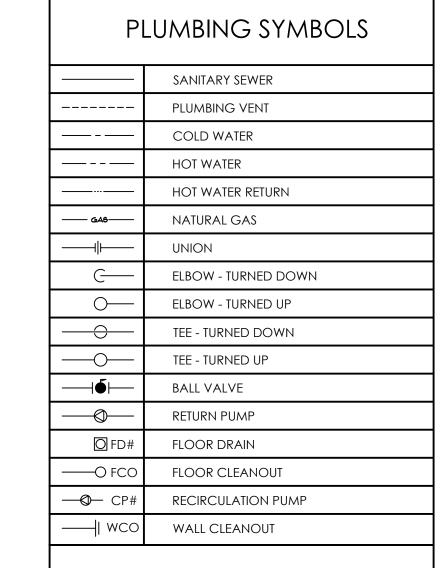
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105 ENTRY

4

106 WOMEN



PLUMBING NOTES

- CONNECT NEW SANITARY PIPE TO EXISTING SANITARY PIPE OF EQUAL SIZE OR GREATER. FIELD VERIFY EXACT LOCATION, INVERT, AND DIRECTION OF FLOW. SLOPE NEW SANITARY PIPING AT 1/8" PER FOOT.
- NEW HANDICAPPED WATER CLOSET AND LAVATORY
 TO BE INSTALLED. EXISTING ASSOCIATED WATER,
 SANITARY, AND VENT PIPING TO REMAIN. FIELD VERIFY
 EXISTING CONDITIONS PRIOR TO INSTALLATION.

NEW HANDICAPPED WATER CLOSET, URINAL, AND

LAVATORY TO BE INSTALLED. EXISTING ASSOCIATED

WATER, SANITARY, AND VENT PIPING TO REMAIN. FIELD
VERIFY EXISTING CONDITIONS PRIOR TO INSTALLATION.

4 CONNECT NEW SANITARY PIPE TO EXISTING SANITARY
PIPE OF EQUAL SIZE OR GREATER. FIELD VERIFY EXACT

LOCATION, INVERT, AND DIRECTION OF FLOW. SLOPE

NEW SANITARY PIPING AT 1/8" PER FOOT.

5 NEW BREAK ROOM SINK TO BE INSTALLED. EXISTING ASSOCIATED WATER, SANITARY, AND VENT PIPING TO REMAIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO

1 ENLARGED DELI SANITARY SEWER PLAN

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

GROUP

111 3rd Avenue S
Suite 400
Minneapolis, MN 55401
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23343

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Sheet Date:
Proj. Number: BGC.37948.RR

430 E. Front St.

Tyler, TX 75702

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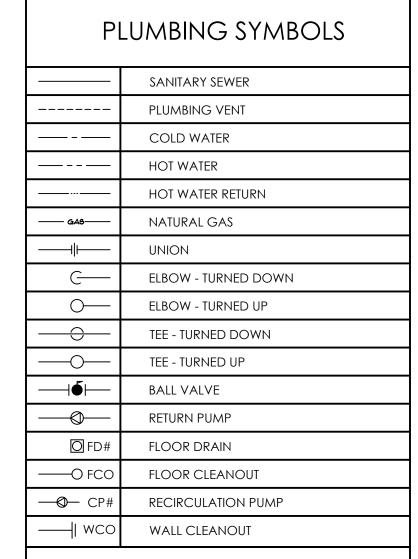
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GREATER SIZE THAN THE NEW SANITARY LINE



PLUMBING NOTES

CONNECT NEW COLD AND HOT WATER PIPE EXISTING
COLD AND HOT WATER PIPE OF EQUAL SIZE OR
GREATER. FIELD VERIFY EXACT LOCATION.

2) NEW SINK TO BE TENANT PROVIDED AND CONTRACTOR INSTALLED.

3) NEW HANDICAPPED WATER CLOSET, WATER CLOSET, AND LAVATORY TO BE INSTALLED. EXISTING ASSOCIATED WATER, SANITARY, AND VENT PIPING TO REMAIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO INSTALLATION.

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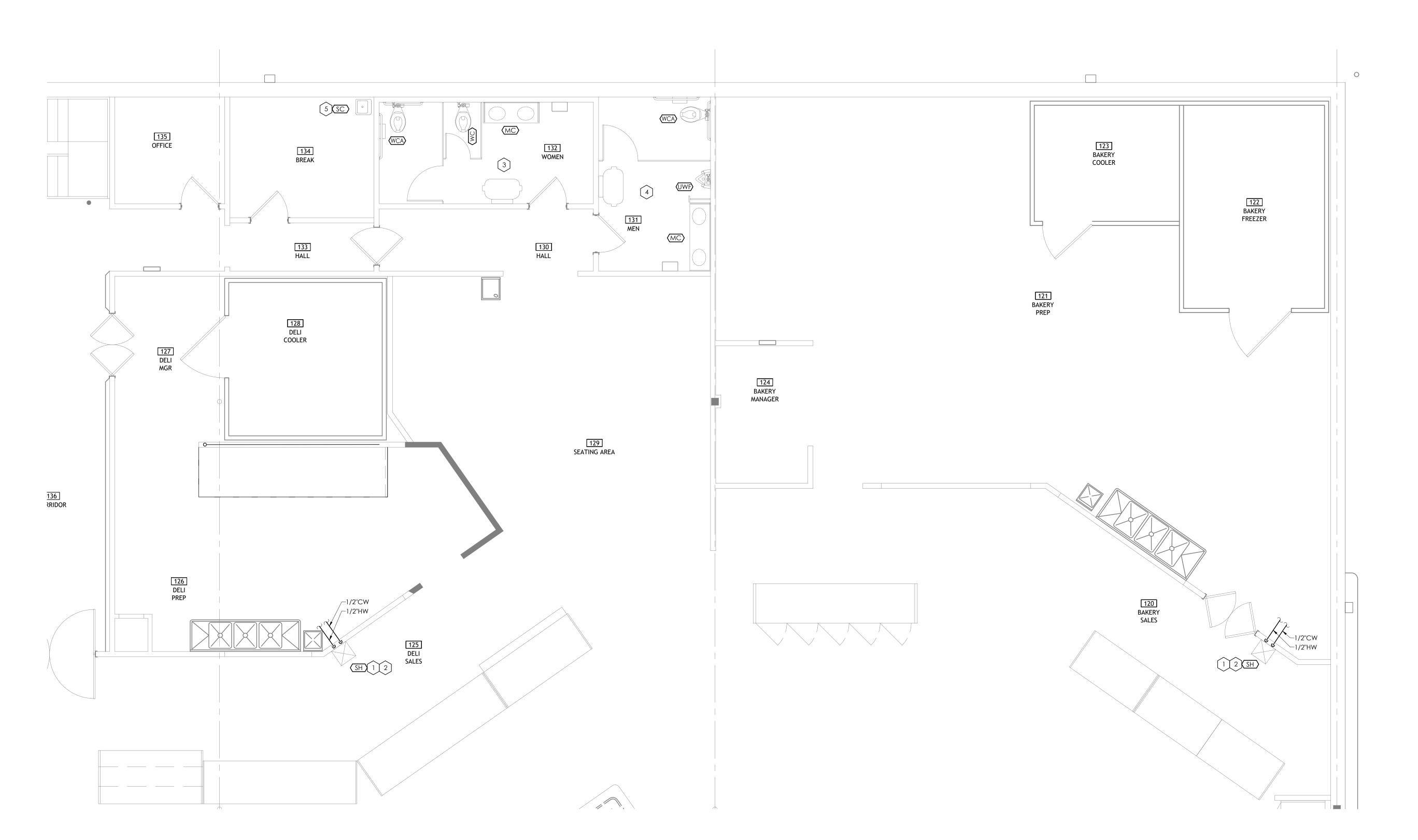
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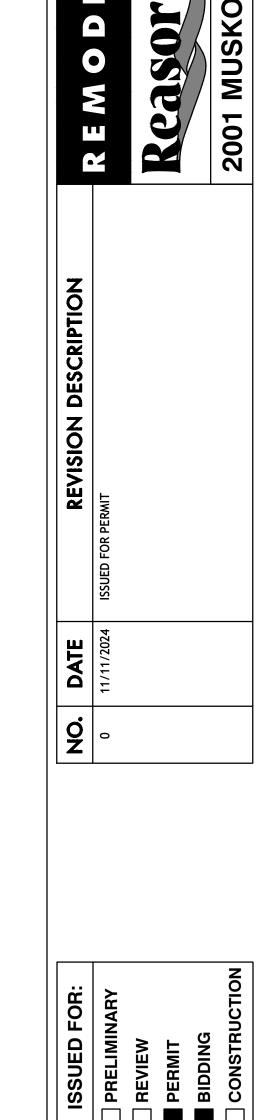
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DATE

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PLUMBING

E. GAS PIPING: ALL GAS PIPING SHALL BE SIZED, INSTALLED, TESTED, AND LABELED IN ACCORDANCE WITH APPLICABLE CODE. GAS PIPING SHALL BE SCHEDULE 40 BLACK IRON OR TYPE-L OR K COPPER WITH BRAZED FITTINGS. BUSHINGS ARE PROHIBITED. BELL REDUCERS SHALL BE INSTALLED AT REDUCTION IN PIPE SIZE, GROUND JOINT UNIONS AND SHUTOFF VALVES SHALL BE INSTALLED AT ALL GAS APPLICATIONS. FLEXIBLE GAS LINES ARE PROHIBITED ON STATIONARY APPLIANCES AND SHALL ONLY BE INSTALLED ON PORTABLE EQUIPMENT. A RESTRAINT CABLE SHALL BE ATTACHED TO ANY FLEXIBLE CONNECTOR AND THE FLOOR SUCH THAT THE FLEXIBLE CONNECTOR CANNOT BE OVER EXTENDED.

5. EXECUTION:

A. ALL PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL BE INSTALLED PER

APPLICABLE CODES AND ESTABLISHED INDUSTRY PRACTICES. B. COORDINATE WITH ALL OTHER TRADES TO AVOID INTERFERENCE, AND ADHERE TO ALL SPECIFICATIONS AND MANUFACTURER GUIDELINES.

C. RUN ALL DOMESTIC WATER PIPING AS HIGH AS POSSIBLE. INSTALL HANGERS AND STRAPPING, ALLOWING FOR EXPANSION AND CONTRACTION OF PIPING. DO NOT HANG OR SUPPORT OTHER EQUIPMENT OR PIPING FROM WATER LINES. SEPARATE HOT AND COLD WATER LINES MINIMUM OF SIX (6) INCHES. INSULATE ALL PIPING WITH INSULATION WHICH MEETS OR EXCEEDS 25/50 SMOKE/FIRE RATINGS.

D. INSTALL SOIL, WASTE AND VENT PIPING WITH MINIMUM SLOPE OF 1/4" PER FOOT IN THE FLOW DIRECTION OF DRAINS. NO FIXTURE SHALL HAVE AN S-TRAP OR BE DOUBLE

VALVES: A. LOCATE VALVES SO AS TO BE ACCESSIBLE AND SO THAT SEPARATE SUPPORT CAN BE PROVIDED WHEN NECESSARY. INSTALL ALL STEMS UPRIGHT. DO NOT INSTALL VALVES TO OF DISSIMILAR COMPOSITIONS WITHOUT AN APPROVED DIELECTRIC FITTING.

B. EACH PLUMBING FIXTURE SHALL BE INDEPENDENTLY VALVE PER CODE.

7. TEST AND STERILIZATION:

A. TEST AND STERILIZE ALL PLUMBING PIPING INCLUDING DRAINS, WASTE VENTS AND WATER PIPING PER APPLICABLE CODES AND REGULATIONS.

B. NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE ACCORDING TO THE METHOD PER APPLICABLE CODE (CPC SEC 609.9).



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 SCOPE OF WORK A. THE WORK TO BE ACCOMPLISHED UNDER THIS SECTION OF SPECIFICATIONS INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS, SUPERVISION AND EQUIPMENT FOR THE COMPLETE INSTALLATION OF AIR CONDITIONING, HEATING, VENTILATING, PLUMBING, FIRE PROTECTION TOGETHER WITH ALL THE NECESSARY AUXILIARIES AND APPURTENANCES. GENERALLY THE WORK SHALL CONSIST OF, BUT IS NOT LIMITED TO,

ITEMS LISTED IN THE FOLLOWING PARAGRAPHS. B. PROVIDED BY CONTRACTOR: PLUMBING FIXTURES, PLUMBING ACCESSORIES, PUMPS, PIPING, FITTINGS, ETC.

C. DISTRIBUTION SYSTEM: PIPING, VALVES, CONTROL VALVES, WATER HAMMER ARRESTER, SHUT-OFF VALVE, FIXTURES, FLEXIBLE CONNECTIONS, INSTALL PER APPLICABLE CODE AND MANUFACTURER'S RECOMMENDATIONS. D. PLUMBING: SOIL, WASTE AND VENT PIPING, DOMESTIC HOT AND COLD WATER DISTRIBUTION, HOT WATER GENERATORS, FIXTURES, GREASE TRAPS, VENTS, CONDENSATE LINES OF HVAC AND MISCELLANEOUS EQUIPMENT, UNDERFLOOR OR

OVER HEAD SODA, REFRIGERANT LINE CONDUIT AND/OR ROOF LEADERS. E. MISCELLANEOUS SYSTEM ACCESSORIES, THERMAL INSULATION, APPARATUS FOUNDATIONS AND SUPPORTS, PIPE HANGERS AND SUPPORTS AND ALL NECESSARY TOOLS, ACCESSORIES AND APPLIANCES AS REQUIRED TO MAKE ALL SYSTEMS COMPLETE AND OPERATIVE.

F. WORK SHALL COMPLY TO APPLICABLE CODE AND THE OWNER'S MINIMUM REQUIREMENTS AS STATED HEREIN OR OTHERWISE INDICATED BY THE OWNER. G. SEE ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS. ALL CONDITION

REQUIREMENTS SHALL APPLY UNLESS OTHERWISE NOTED.

2. PRODUCTS AND EXECUTION:

A. ELECTRICAL PROVISIONS FOR PLUMBING WORK: EXCEPT FOR SUCH ITEMS AS ARE NORMALLY WIRED UP AT THEIR POINT OF MANUFACTURE AND SO DELIVERED, AND UNLESS SPECIFICALLY NOTED TO THE CONTRARY HEREIN, THE ELECTRICAL SUBCONTRACTOR WILL DO ALL ELECTRIC WIRING OF EVERY CHARACTER FOR POWER SUPPLY, LINE VOLTAGE CONDUIT AND LOW VOLTAGE CONTROL WIRING AND CONDUIT. THE ELECTRICAL SUBCONTRACTOR SHALL ERECT ALL MOTORS IN PLACE READY FOR CONNECTION. EXCEPT FOR SUCH ITEMS AS ARE NORMALLY SUPPLIED WITH STARTERS INSTALLED, AT THEIR POINT OF MANUFACTURE. ALL OTHER STARTERS NOT FURNISHED WITH EQUIPMENT TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. THE ELECTRICAL SUBCONTRACTOR WILL MOUNT ALL SUCH STARTERS, AS DIRECTED, FURNISHING SUPPORTING STRUCTURES WHERE NECESSARY. THE OWNER AND OTHER CONTRACTORS SHALL FURNISH WITH EACH ITEM REQUIRING ELECTRICAL CONNECTIONS, THE NECESSARY INSTRUCTIONS AND WIRING DIAGRAMS TO THE ELECTRICAL SUBCONTRACTOR. THE ELECTRICAL SUBCONTRACTOR SHALL REFER TO THE SPECIFICATIONS TO DETERMINE THE SCOPE OF THE WORK.

B. CHASES AND OPENINGS; VARIOUS DIVISIONS, HOWEVER, THE LOCATIONS OF ALL INSERTS AND OPENINGS SHALL BE DETERMINED AND COORDINATED WITH OTHER DIVISIONS IN AMPLE TIME TO AVOID CUTTING NEW CONSTRUCTION. C. ROOF FLASHING OF VTU AND PIPING PENETRATIONS: PLUMBING VENT FLASHING AND

COUNTER FLASHING SHALL BE PROVIDED UNDER THIS DIVISION AND PER ROOF

MANUFACTURER RECOMMENDATIONS. D. OPENINGS IN ROOF DECK: WHERE PIPING, VENTS OR ANY OTHER PLUMBING APPARATUS PENETRATES ROOF DECK AND OPENING IS NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS, OBTAIN ARCHITECT'S APPROVAL OF LOCATION AND SIZE. HAVE LANDLORD APPROVED ROOF DECK INSTALLER DO CUTTING AND PAY INSTALLER COST OF CUTTING AND FLASHING OPENING.

3. PERMITS, FEES AND CODE REGULATIONS:

A. PERMITS: OBTAIN ALL PERMITS REQUIRED TO DO THIS WORK AND PAY ANY FEES, AND UTILITIES / EQUIPMENT CHARGES.

B. REGULATIONS: CONFORM TO ALL STATE AND LOCAL ORDINANCES AND RULINGS APPLICABLE TO THIS WORK AND IN EFFECT AT THE TIME THE WORK IS PERFORMED. APPROVAL OF VARIOUS INSURING AND INSPECTION AUTHORITIES SHALL BE OBTAINED. WHEN REQUESTED, COMPETENT EVIDENCE OF COMPLIANCE, WITH

APPLICABLE CODES, SHALL BE FURNISHED. C. CONFLICTS: IF A CONFLICT EXISTS BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS AND ANY ABOVE MENTIONED AUTHORITY, THE CONTRACTOR SHALL ADVISE THE ARCHITECT/ENGINEER IN WRITING FIVE (5) DAYS PRIOR TO PRESENTING PROPOSAL OR INCLUDE ALL COST REQUIRED TO MEET REGULATIONS.

4. STRUCTURAL AND SPACE CONDITION:

A. THE SPECIFICATIONS AND ACCOMPANYING DRAWINGS ARE INTENDED TO ENCOMPASS A SYSTEM THAT WILL NOT INTERFERE WITH THE STRUCTURAL, ELECTRICAL AND ARCHITECTURAL DESIGN OF THE BUILDING, AND WHICH WILL FIT INTO THE SEVERAL AVAILABLE SPACES. AS IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS AND OBSTRUCTIONS OF STRUCTURAL CONDITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL HIS WORK IN SUCH A MANNER THAT IT WILL CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS AND INTERFERENCES WITH ALL OTHER TRADES, PRESERVE HEADROOM, AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.

B. DO NOT RUN PIPING OR DUCTWORK, OR LOCATE EQUIPMENT (WITH RESPECT TO SWITCHBOARDS, PANELBOARDS, POWER PANELS, MOTOR CONTROL CENTERS OR DRY TYPE TRANSOFRMERS) WITHIN 42" IN FRONT OF EQUIPMENT, OVER EQUIPMENT OR WITHIN 36" HORIZONTALLY OF SAME SPACE.

5. DRAWINGS: A. THE DRAWINGS AS PREPARED ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. CHANGES FROM THE DRAWINGS NECESSARY TO FIT THE WORK OF VARIOUS TRADES, TO CONFORM TO EQUIPMENT ACTUALLY BEING INSTALLED, OR TO CONFORM TO THE RULES OF AUTHORITIES HAVING JURISDICTION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.

6. AS-BUILT DRAWINGS:

A. PROVIDE AND KEEP UP-TO-DATE, A COMPLETE RECORD SET OF PRINTS WHICH SHALL BE CORRECTED DAILY WITH DATED NOTATIONS, AND INDIVIDUAL WHO APPROVED CHANGES, AND SHALL SHOW EVERY CHANGE FROM THE ORIGINAL CONTRACT DRAWINGS. THIS SET OF PRINTS SHALL BE KEPT ON THE JOB SITE AND SHALL BE USED ONLY AS A RECORD SET. CONTRACTOR SHALL PREPARE AND SUBMIT AS-BUILT DRAWINGS TO THE OWNER, AND ENGINEER IF REQUESTED.

7. PROTECTION OF MATERIALS: A. TAKE SUCH PRECAUTIONS AS ARE NECESSARY TO PROTECT ALL EQUIPMENT AND

MATERIALS FROM DAMAGE.

8. WORKMANSHIP:

A. LABOR SHALL BE PERFORMED IN A NEAT WORKMANLIKE MANNER BY PLUMBER SKILLED IN THEIR PARTICULAR TRADES.

MATERIALS AND EQUIPMENT:

A. ALL MATERIALS SHALL BE NEW AND OF COMMERCIAL QUALITY. WHERE MANU-FACTURER'S NAMES AND MODEL NUMBERS ARE MENTIONED IN THE SPECIFICATIONS, AND/OR DRAWINGS, IT IS INTENDED TO SET A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED TO LIMIT COMPETITION UNLESS SPECIFICALLY STATED IN DRAWINGS OR TO DISCRIMINATE AGAINST "EQUAL" PRODUCTS OF OTHER MANUFACTURER. THE WORDS "OR APPROVED EQUAL" ARE TO FOLLOW EACH MATERIAL SPECIFICATION WHERE A SUBSTITUTION WILL BE CONSIDERED. ANY PROPOSED SUBSTITUTION MUST BE SUBMITTED FOR COMPARISON AND THE ENGINEER SHALL BE THE SOLE JUDGE IN THE MATTER, CONTRACTOR MUST INCLUDE COST OF ALL STRUCTURAL CHANGES TO FACILITATE ALTERATIONS IN BID COST.

MANUFACTURER SHALL PROVIDE A WARRANTY ON HIS WATER HEATER UNIT FOR A PERIOD OF FIVE (1) YEAR AND THE WATER HEATER TANK FOR A PERIOD OF (5) YEARS.

10. VIBRATIONS AND NOISE: A. EACH OF THE VARIOUS PIECES OF EQUIPMENT SHALL OPERATE WITHOUT OBJECTIONABLE VIBRATION OR NOISE. ALL ROTATING EQUIPMENT SHALL BE IN STATIC AND DYNAMIC BALANCE AND SHALL BE MOUNTED, SUPPORTED AND FASTENED SO THAT NO EQUIPMENT VIBRATION WILL BE TRANSMITTED TO THE BUILDING. THE SPECIFIC SIZE OF VIBRATION ISOLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. IF, IN THE OPINION OF THE OWNER/ARCHITECT/ENGINEER, OBJECTIONABLE VIBRATION OR TRANSMISSION THEREOF TO THE BUILDING OCCURS, THE CONTRACTOR SHALL EXECUTE REMEDIAL MEASURES AS MAY BE NECESSARY TO ELIMINATE SUCH UNSATISFACTORY OPERATING CONDITIONS AT THE CONTRACTOR'S EXPENSE.

OWNER, AGAINST DEFECTIVE WORKMANSHIP, MATERIALS, AND OPERATING

EQUIPMENT; FURTHER, GUARANTEE TO ADJUST ENTIRE SYSTEM OR ANY PART THEREOF,

AFTER ACCEPTANCE. REPAIR, REPLACE AND MAKE SATISFACTORILY OPERATIVE ANY

AS REQUIRED FOR PERFECT OPERATION FOR A PERIOD OF AT LEAST ONE (1) YEAR

AND ALL DEFECTIVE ITEMS, AND WORK. HOLDING OWNER FREE FROM ANY COST

AND LIABILITY IN CONNECTION THEREWITH FOR THE TERM OF GUARANTEE. THE

- 11. OPERATING INSTRUCTIONS: A. BROCHURES: WRITTEN INSTRUCTIONS, ASSEMBLED AND BOUND IN BROCHURES, SHALL BE FURNISHED IN TRIPLICATE FOR OPERATING AND MAINTAINING ALL EQIUPMENT FURNISHED UNDER THIS DIVISION OF THE SPECIFICATIONS. INSTRUCTIONS SHALL INCLUDE ALL NORMAL ADJUSTMENTS, A LIST OF LUBRICATING POINTS WITH THE TYPE
- AND FREQUENCY OF LUBRICATION REQUIRED. PARTS LISTS SHALL BE FURNISHED. B. DEMONSTRATION: UPON COMPLETION AND ACCEPTANCE OF WORK BY THE OWNER, THE CONTRACTOR SHALL BE REQUIRED TO INSTRUCT THE OPERATING PERSONNEL IN THE OPERATION OF THE ENTIRE INSTALLATION.
- C. EQUIPMENT LOCATION AND USE: PROVIDE, IN TRIPLICATE, SUITABLY BOUND OPERATING BOOK CONTAINING ALL EQUIPMENT, ITS LOCATION, USE AND DESCRIPTION, AND BUILDING SCHEMATICS. SUBMIT TO ARCHITECT AND ENGINEER FOR APPROVAL BEFORE PRINTING IN FINAL FORM.
- D. CONTRACTOR SHALL INSTRUCT MANAGER ON THE PROGRAMMING OF ALL CONTROLS. THIS SHALL BE A HANDS-ON EXPLANATION. CONTRACTOR SHALL ALSO PROVIDE MANAGER WITH BOOKLET SHOWING PROGRAMMING INSTRUCTIONS.

12. FINAL INSPECTIONS:

A. SCHEDULE: UPON COMPLETION OF CONTRACT, THERE SHALL BE A FINAL INSPECTION OF THE COMPLETED INSTALLATION. PRIOR TO THIS INSPECTION, ALL WORK UNDER THIS DIVISION SHALL HAVE BEEN COMPLETED, TESTED, BALANCED, AND ADJUSTED AND IN FINAL OPERATING CONDITION.

B. PERSONNEL: A QUALIFIED PERSON REPRESENTING THE CONTRACTOR MUST BE PRESENT AT THIS FINAL INSPECTION TO DEMONSTRATE THE SYSTEM AND PROVE THE PERFORMANCE OF THE EQUIPMENT.

13. CUTTING AND PATCHING:

A. WHERE CUTTING AND PATCHING BECOMES NECESSARY TO PERMIT THE INSTALLATION OF ANY WORK UNDER THIS CONTRACT, OR SHOULD IT BECOME NECESSARY TO REPAIR ANY DEFECTS THAT MAY APPEAR IN PATCHING UP TO THE EXPIRATION OF THE GUARANTEE, SUCH CUTTING SHALL BE DONE UNDER THE SUPERVISION OF THE OWNER BY THE TRADE OF SUBCONTRACTOR WHOSE WORK IS TO BE DISTURBED. AFTER THE NECESSARY WORK HAS BEEN COMPLETED, THE TRADE OF SUBCONTRACTOR WHOSE WORK HAS BEEN DISTURBED SHALL REPAIR DAMAGE. THE COST OF ALL CUTTING AND PATCHING SHALL BE PAID BY THE TRADE OF SUBCONTRACTOR REQUIRING IT TO BE

14. EXCAVATIONS AND BACKFILLING:

A. PROVIDE NECESSARY EXCAVATING AND BACKFILLING FOR THE INSTALLATION OF WORK SPECIFIED IN THIS DIVISION. TRENCHES FOR UNDERGROUND PIPING AND CONDUITS SHALL BE EXCAVATED TO REQUIRED DEPTHS WITH BELL HOLES PROVIDED AS NECESSARY TO ENSURE UNIFORM BEARING. CARE SHOULD BE TAKEN TO EXCAVATE BELOW DEPTH, AND ANY EXCAVATION BELOW DEPTH SHALL BE REFILLED WITH SAND OR GRAVEL FIRMLY COMPACTED. WHERE ROCK OR HARD OBJECTS ARE ENCOUNTERED, THEY SHALL BE EXCAVATED TO A GRADE SIX INCHES (6") BELOW AS SPECIFIED. AFTER THE PIPE HAS BEEN INSTALLED, TESTED AND APPROVED, THE TRENCHES SHALL BE BACKFILLED TO GRADE WITH APPROVED MATERIAL, WELL-TAMPED OR PADDLED COMPACTLY IN PLACE. DO NOT PROCEED WITH BACKFILL OPERATIONS UNTIL PIPING HAS BEEN INSPECTED BY THE OWNER OR BY THE LOCAL INSPECTOR OF THE MUNICIPALITY IN WHICH THE WORK IS BEING PERFORMED. DO NOT PERFORM BACKFILLING OPERATIONS EXCEPT IN THE PRESENCE OF THE OWNER OR INSPECTOR. ALL PIPING OUTSIDE THE BUILDING SHALL BE INSTALLED BELOW THE FROST LINE. WHERE STREETS, SIDEWALKS, ETC. ARE DISTURBED, CUT OR DAMAGED BY THIS WORK, THE EXPENSE OF REPAIRING SAME IN A MANNER APPROVED BY THE OWNER SHALL BE OF PART OF THIS CONTRACT.

15. GUARANTEE: A. THE GUARANTEE PROVISION OF THIS SPECIFICATION REQURIES PROMPT REPLACEMENT OF ALL DEFECTIVE WORKMANSHIP AND MATERIALS OCCURRING WITHIN ONE YEAR OF JOB ACCEPTANCE. THIS INCLUDES ALL WORK REQUIRED TO REMOVE AND REPLACE THE DEFECTIVE ITEM AND TO MAKE ALL NECESSARY ADJUSTMENTS TO RESTORE THE ENTIRE INSTALLATION TO ITS ORIGINAL SPECIFIED OPERATING CONDITION AND FINISH AT THE TIME OF ACCEPTANCE.

- 16. FIRE STOPPING A. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR FIRESTOPPING AROUND ALL OPENINGS FOR PIPES, DUCT, CONDUITS ETC., INSTALLED BY HIM AT ALL FIRE WALLS. FIRESTOPPING SHALL BE PERFORMED BY AN INSTALLER WHO HAS BEEN TRAINED BY THE MANUFACTURER, OR MANUFACTURER'S REPRESENTATIVE, IN THE INSTALLATION
- PROCEDURES BASED ON PUBLISHED UL TESTED FIRE STOP SYSTEMS. B. FIRESTOPPING SHALL MEET THE REQUIREMENTS OF ASTM E-814 OR UL 1479 FIRE TESTS BY A RECOGNIZED TESTING AGENCY. FIRESTOPPING SHALL ALSO CONFORM TO THE FOLLOWING GOVERNING CODES: LOCAL BUILDING CODE, STATE BUILDING CODE,
- NFPA 101 LIFE SAFETY CODE AND NFPA 70 NATIONAL ELECTRIC CODE. a. CLEAN PENETRATION HOLES OF DIRT, LOOSE MATERIALS AND FOREIGN MATTER
- WHICH MAY AFFECT BOND OR INSTALLATION. b. REMOVE COATINGS SUCH AS PAINT, CURING COMPOUNDS, WATER REPELLENT & SEALERS AS REQUIRED. C. INSTALL BACKING MATERIALS TO PREVENT LIQUID MATERIAL LEAKAGE.
- D. APPLICATION a. PREPARE AND APPLY PENETRATION SEALING SYSTEMS IN ACCORDANCE WITH
- MANUFACTURER'S PRINTED INSTRUCTIONS. b. EMPLOY INSTALLATION TECHNIQUES WHICH WILL ENSURE THAT FIRESTOPPING IS DEPOSITED TO FILL AND SEAL HOLES AND OPENINGS.
- c. TOOL EXPOSED SURFACES OF APPLIED SEALANT TO SMOOTH FINISH. d. PROTECT MATERIALS FROM DAMAGE ON SURFACES SUBJECTED TO TRAFFIC. E. PROVIDE INTUMESCENT SEALANTS AND COLLARS AT OPENINGS INVOLVING PLASTIC
- OR INSULATED PIPE SIMILAR TO THE METACAULK SERIES 880 AND 950. F. FIRESTOPPING BY DOW CORNING, 3M, HILTI OR METACAULK MAY FURNISHED AT THE CONTRACTOR'S OPTION.

B. GUARANTEE: FURNISH WRITTEN CERTIFIED GUARANTEE, IN ACCEPTABLE FORM, TO THE 1. SCOPE OF WORK:

A. FURNISHING OF ALL LABOR, MATERIALS, TOOLS, TRANSPORTATION SERVICES, ETC NECESSARY TO COMPLETE THE INSTALLATION OF THE PLUMBING SYSTEM AND AS DESCRIBED IN THESE SPECIFICATIONS, AS ILLUSTRATED ON THE ACCOMPANYING DRAWINGS, OR AS DIRECTED BY THE ARCHITECT. PLUMBING WORK INCLUDING INSTALLATION, EQUIPMENT, FIXTURES AND PIPING SHALL BE LISTED AND INSTALLED IN COMPLIANCE WITH APPLICABLE CODES, ADOPTED ORDNANCES, AND REGULATIONS SET FORTH BY THE AHJ (AUTHORITY HAVING JURISDICTION) B. ALL HOT AND COLD WATER SYSTEMS WITH COMPLETE CONNECTIONS FROM THE WATER METER, OR LANDLORD PROVIDED STUB-IN, TO ALL PLUMBING FIXTURES AND

WITH CONTROLS, VALVES, EQUIPMENT, DEVICES AND INSULATION. C. ALL SOIL, WASTE, AND VENT SYSTEMS OUTSIDE AND INSIDE THE BUILDING AND SEWER CONNECTIONS TO MUNICIPAL SYSTEM OR LANDLORD PROVIDED STUB-IN, AS INDICATED ON DRAWINGS. D. ROUTING OF ALL SANITARY PLUMBING, DOMESTIC WATER PIPING AND GAS PIPING

EQUIPMENT REQUIRING WATER CONNECTIONS. THESE SYSTEMS WILL BE COMPLETE

AS SHOWN ON PLANS. THE PLANS ARE SHOWN WITH THE INTENTION OF INDICTING THE APPROXIMATE LOCATION OF EXISTING CONDITIONS, AND NEW ITEMS. PLUMBING CONTRACTORS SHALL VISIT THE JOB SITE CONDITIONS PRIOR TO SUBMITTING BIDS OR STARTING WORK. THIS CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THE WORK OF ALL OTHER TRADES TO AVOID INTERFERENCE. CONTRACTORS MAY DEVIATE FROM THE LOCATION OF PIPING SHOWN IF INSTALLATION COMPLIES WITH LOCAL CODES AND INDUSTRY PRACTICES, AND IF THE AHJ AND OWNER APPROVE. ITEMS NOT SHOWN ON THE PLANS OR SHOWN IN CONFLICT WITH ANY CODE, REGULATION OR EXISTING CONDITION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. THE CONTRACTOR IS

E. FURNISH AND SET PLUMBING FIXTURES, INCLUDING ALL THE REQUIRED TRIM AND SUPPORTS. F. TRENCHING, PIPE BEDDING AND BACKFILLING.

RESPONSIBLE FOR INSTALLING ALL WORK IN ACCORDANCE WITH APPLICABLE

G. ALL ROUGH-IN AND FINAL CONNECTION TO EQUIPMENT IN THE KITCHEN, BAR AND SERVICE AREAS, IF INDICATED ON THE DRAWINGS, INCLUDING NECESSARY TRAPS AND MISCELLANEOUS ITEMS AS REQUIRED. COORDINATE WITH OWNER AND OTHER

H. FURNISH ALL FINAL PLUMBING CONNECTIONS TO HEATING AND AIR CONDITIONING EQUIPMENT, AND KITCHEN BAR EQUIPMENT INCLUDING CONDENSATE DRAINS, INDIRECT WASTE AND GAS PIPING. SEE KITCHEN DRAWINGS FOR REQUIREMENTS. I. METERS AND UTILITY CONNECTIONS:

a. WATER: COORDINATE WORK WITH THE LOCAL WATER COMPANY OR LANDLORD. FURNISH ALL LABOR AND/OR MATERIAL (NOT FURNISHED BY THE WATER COMPANY), WHICH IS REQUIRED TO CONNECT TO EXISTING LINE AND/OR SET METER. INSTALL ALL PERMANENT WATER SUPPLY LINES FROM THE POINT OF CONNECTION AND COMPLETE THE WORK AS SHOWN, ALL IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL WATER COMPANY. OWNER SHALL PAY TAP FEES (IF REQUIRED). PLUMBING CONTRACTOR SHALL PAY ALL WORK RELATED INSPECTION FEES BY AUTHORITY HAVING JURISDICTION (IF REQUIRED).

b. SEWER CONNECTIONS: COORDINATE WORK WITH THE LANDLORD AND/OR LOCAL UTILITY COMPANY. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL GOVERNING AUTHORITY. TAP FEES SHALL BE PAID BY OWNER (IF REQUIRED). PLUMBING CONTRACTOR SHALL PAY ALL WORK RELATED INSPECTION FEES BY AUTHORITY HAVING JURISDICTION (IF

J. PRIOR TO SUBMISSION OF THE CONTRACTORS COST ESTIMATE FOR WORK INCLUDED UNDER THIS PROJECT, THE CONTRACTOR SHALL VISIT THE JOB SITE TO EXAMINE ALL EXISTING CONDITIONS RELATED TO HIS WORK, AND UPON FINAL EXAMINATIONS OF SUCH SHALL SUBMIT A FINAL PROPOSAL AS EVIDENCE THAT THIS CONTRACTOR HAS VISITED SAID SITE AND VERIFIED ALL EXISTING AND PROJECT CONDITIONS. CLAMS OF ADDITIONAL WORK OR ADD-ONS DUE TO NON-VERIFICATIONS OF EXISTING CONDITIONS WILL NOT BE CONSIDERED BY THE OWNER. ALL ADDITIONAL WORK WHICH IS NOT CLEARLY APPROVED PRIOR TO PERFORMANCE OR SUCH WORK WILL BE CHARGED TO THE CONTRACTOR, AND IF NOT SETTLED WILL BE HELD FROM HIS FINAL PAYMENT.

MATERIALS:

A. DOMESTIC WATER PIPING: WATER PIPING SHALL BE TYPE-L COPPER WITH WROUGHT FITTINGS, LEAD-FREE SOLDER OR SILVER SOLDER SHALL BE USED AT ALL POINTS OF CONNECTION. WATER PIPE AND FITTINGS WITH A LEAD CONTENT WHICH EXCEED 0.25% SHALL BE PROHIBITED IN SYSTEMS CONVEYING POTABLE WATER. HANGERS SHALL BE EQUAL TO CLEVIS TYPE HANGERS AND SHALL BE USED ON A PIPING AT INTERVALS AS REQUIRED BY CODE. THE CONTRACTOR SHALL ALLOW ADDITIONAL CLEARANCE FOR EXPANSION AND CONTRACTION FOR INSULATED AND NON-INSULATED PIPING. AT THE CONTRACTOR'S OPTION CROSS LINKED POLYETHYLENE (PEX) PIPING MAY BE UTILIZED WHERE ALLOWED BY AUTHORITY HAVING JURISDICTION. PLASTIC PIPING SHALL NOT BE USED IN RETURN AIR PLENUM.

B. DRAIN, WASTE, AND VENT PIPING: DRAIN, WASTE, AND VENT PIPING SHALL BE NO HUB CAST IRON PIPE, AS REQUIRED BY LOCAL ORDINANCE. ABOVE GROUND MATERIAL SHALL COMPLY WITH LOCAL JURISDICTION. PLASTIC SUCH AS PVC/ABS SHALL NOT BE USED ABOVE GROUND IN FIRE-RESISTIVE BUILDING WHERE PROHIBITED BY CODE AND WITHIN RETURN AIR PLENUM. WHERE FLOOR OR HUB DRAINS ARE SHOWN AS CAST IRON, THE CONTRACTOR SHALL PROVIDED A SUITABLE COUPLING WHICH IS APPROVED BY

CODE. SANITARY WASTE VENTS SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX (6) INCHES IN HEIGHT ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE BEFORE BEING CONNECTED TO ANY OTHER VENT.

INDIRECT WASTE LONGER THAN FIVE (5) FEET MUST BE TRAPPED. INDIRECT WASTE LONGER THAN FIFTEEN (15) FEET MUST BE TRAPPED AND VENTED. INDIRECT WASTE FROM FOOD SERVICE EQUIPMENT MUST DISCHARGE TO RECEPTOR WITH A MINIMUM AIR-GAP OF ONE (1) INCH. C. FERROUS PIPING SHALL BE PROHIBITED UNDER SLAB PER LOCAL JURISDICTION.

D. CONDENSATE DRAIN LINES SHALL BE TYPE L COPPER WITH SOLDERED JOINTS AND WROUGHT COPPER FITTINGS. E. NO EXPOSED ABS (PLASTIC PIPING WITH A FLAME-SPREAD RATING OF 75 OR MORE).

A. SHUT OFF VALVES SHALL BE EITHER GATE-TYPE OR BALL VALVES BY "CRANE", "STOCKHAM" OR "POWELL". MIXING VALVES SHALL BE BY "LAWLER" OR APPROVED EQUAL. BACKWATER VALVES SHALL BE BY "ZURN" OR APPROVED EQUAL.

4. PLUMBING SPECIALTIES:

A. AIR CHAMBERS: SHALL BE CONSTRUCTED OF TYPE-L COPPER, AIR CHAMBERS SHALL BE ONE SIZE LARGER THAN THE SUPPLY PIPING, AND SHALL BE 18 INCHES LONG, PROPERLY CAPPED AND SUPPORTED. FACTORY MANUFACTURED ITEMS CAN BE SUBSTITUTED AT THE CONTRACTORS OPTION BY "NIBCO", "WADE" OR EQUAL. B. CLEAN OUTS: WALL CLEANOUTS SHALL HAVE STAINLESS STEEL COVERS AS MANUFACTURED BY "WADE" OR APPROVED EQUAL, FLOOR CLEAN OUTS SHALL HAVE SATIN FINISH NICKEL TOP, IN FINISHED AREAS, AND SATIN BRONZE CAP IN AREAS WHICH ARE NOT FINISHED. CLEANOUTS SHALL BE MANUFACTURED BY "WADE" OR APPROVED EQUAL. ALL REQUIRED CLEANOUTS SHOULD BE INSTALLED AS PER APPLICABLE CODE. (CPC SEC. 707.0 & 719.0.)

C. FIXTURES: PLUMBING FIXTURES SHALL BE AS SPECIFIED ON THESE PLANS OR ON THE ARCHITECTURAL PLANS. ALL FIXTURES SHALL MEET ADA REQUIREMENT WHERE APPLICABLE, FIXTURES SHALL BE OF THE HIGHEST QUALITY BY "AMERICAN STANDARD", "KOHLER" OR APPROVED EQUAL.



Reviewed: Sheet Date:

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
<u>C4</u>	NEW / MODIFIED REFRIGERATION CIRCUIT DESIGNATION	ESR8	ELECTRONIC SUCTION REGULATOR CONTROL BOARD (ALCO ESR VAVLES, SPORLAN CDS VALVES)	<u> </u>	CHECK VALVE
C4	EXISTING REFRIGERATION CIRCUIT DESIGNATION	TD3	CPC TEMPERATURE DISPLAY	M	MANUAL STEM SOLENOID W/O COIL
C4	FUTURE REFRIGERATION CIRCUIT DESIGNATION	DM	MODULAR DAC-55 DOOR MONITOR		MANUAL STEM SOLENOID VALVE
S/C>	SELF-CONTAINED REFRIGERATION CIRCUIT DESIGNATION	SI8	SENSOR INPUT BOARD	~	SCHRADER VALVE
\triangle	DEFROST TERMINATION THERMOSTAT	OIL8	ON-OFF INPUT BOARD		GLOBE VALVE
S	SUCTION STOP SOLENOID VALVE (DUAL VOLT COIL)	RO8	RELAY OUTPUT BOARD	- ‱ -	VIBRATION ELIMINATOR
s	SUCTION STOP SOLENOID VALVE (DUAL VOLT COIL) WITH HOT GAS DEFROST BYPASS CHECK VALVE	P/S	POWER SUPPLY	_	STRAINER
LLS	LIQUID LINE SOLENOID VALVE (DUAL VOLT COIL)	J 12V	120volt POWER TO TRANSFORMER FOR CONTROL	_5_	PRESSURE REGULATING VALVE
ď	LIQUID LINE SOLENOID VALVE (DUAL VOLT COIL) WITH CHECK VALVE	LDS	REFRIGERANT LEAK SENSOR	HZ	PURGE VALVE
PI	SPORLAN SORIT-PI VALVE (DUAL VOLT COIL) - FIELD SPORLAN SORIT-PI VALVE (208v COIL) - RACK	CS	CLEANING SWITCH		DRIER
PS	PARKER SPORT II VALVE (DUAL VOLT COIL) - FIELD PARKER SPORT II VALVE (208v COIL) - RACK	0	AUDIO / VISUAL ALARM ANNUNCIATOR (120 VOLT)		SIGHT GLASS
MT	0 - 30 MINUTE MANUAL TIMER MOUNTED 6'-0" A.F.F. RELIANCE 3030	PP	CPC PRODUCT PROBE		SUCTION FILTER
DS	DOOR SWITCH	Р	ANALOG TEMPERATURE SENSOR	→	PRESSURE RELIEF VALVE
RT	REFRIGERANT LEAK TRANSDUCER	CP	COOLER PROBE	├	PVC CONDUIT UNDER SLAB
CO 2	CARBON DIOXIDE SENSOR	S	ANALOG TEMPERATURE SENSOR (HVAC)	———	EXISTING TRENCHING
А	AMBIENT TEMPERATURE SENSOR	L	INFRARED REFRIGERANT LEAK DETECTION END FILTER		SUCTION / LIQUID LINE UP
	SPORLAN CDS-8/16 STEP MOTOR EVAPORATOR CONTROL VALVE (12 VDC)	RH	ANALOG RELATIVE HUMIDITY SENSOR		SUCTION/LIQUID LINE CONNECTION
CCB CDS	CPC CASE CONTROLLER BOARD FOR CDS CONTROL (120 V INPUT, POWER MODULE JUMPER SET AT 12 VDC)	T	TEMPERATURE CONTROL	<u> </u>	SUCTION/LIQUID LINE DOWN
ССВ	CASE CONTROL BOARD	PD	DEFROST TERMINATION SENSOR		EXISTING REFRIGERATION PULL BOX
PM	POWER CONTROL MODULE	S1C5a	ANALOG TEMPERATURE SENSOR (REFRIGERATION)		EXISTING PULL BOX TO BE ABANDONED
Е	SMART CASE CONTROLLER W/POWER CONTROL MODULE	(DP)	DEW POINT SENSOR. BELDEN #8729-4 #22 SHIELDED TO INPUT BOARD AS INDICATED.		EXISTING TRENCHING TO BE ABANDONED
V	VISUAL ALARM ANNUNCIATOR (120 VOLT)	LLS	LOW LIGHT SENSOR (INDOOR)		REFRIGERATION PULL BOX
16AI	CPC 16 ANALOG INPUT BOARD	J	CLEAN POWER FIELD INSTALLED BY EC	(a. x.	EVAPORATOR (LOW PROFILE TYPE)
8RO	CPC 8 RELAY OUTPUT BOARD	\ominus	125V/20A DUPLEX RECEPTACLE RECESSED IN CASE KICK PLATE. FACTORY INSTALLED BY CASE MANUFACTURER.		EVAPORATOR (LOW VELOCITY TYPE)
OI8	CPC INPUT/OUTPUT BOARD		3 - WAY HEAT RECLAIM VALVE	VTS	CPC VERI TEMP SENSOR
ESR	ESR VALVE	\otimes	THERMOSTATIC EXPANSION VALVE	VFR U	CPC VERI FRESH RECEIVER
DTS	DUAL TEMP. SWITCH	<u> </u>	FULL PORT BALL VALVE		

SYMBOL	DESCRIPTION		
	DESCRIPTION	SYMBOL	DESCRIPTION
COMPR	COMPRESSOR	RH	RELATIVE HUMIDITY
CONDR	CONDENSER	S/C	SELF CONTAINED FIXTURE
CU	CONDENSING UNIT	Т	THERMOSTAT
DB	DRY BULB	WB	WET BULB
EER	ENERGY EFFICENCY RATIO	VS	VERTICAL SUCTION LINE
EL	ELECTRIC	HS	HORIZONTAL SUCTION LINE
GPM	GALLONS PER MINUTE	VSDR	VERTICAL SUCTION DOUBLE RISER
Н	HUMIDISTAT	L	LIQUID LINE
HG	HOT GAS	D6E	CASE FIXTURE MODEL NUMBER
HV	HEATING AND VENTILATION	ОТ	OFF TIME
HVAC	HEATING, VENTILATION, AIR-CONDITIONING	MT	MEDIUM TEMPERATURE
LT	LOW TEMPERATURE	OAB	OFFICE ALARM BOX
RX-300/400	EINSTEIN REFRIGERATION CONTROLLER	SAI	SERIAL ANALOG IN BOARD
BX-300/400	EINSTEIN BUILDING ENVIRONMENTAL CONTROLLER	SDI	SERIAL DIGITAL IN BOARD
RIVIC:C:	REFRIGERATION MONITOR AND CASE CONTROLLER	SAO	SERIAL ANALOG OUT BOARD
BEC	BUILDING ENVIRONMENT CONTROL	SDO	SERIAL DIGITAL OUT BOARD
BCU	STORE ENVIRONMENTAL CONTROLLER	RC-1000	REFRIGERATION SYSTEM CONTROLLER
ARTC	ADVANCED ROOFTOP CONTROL	RC-2000	STORE ENVIRONMENTAL CONTROLLER
PMAC	PULSE MODULATION ANTI-SWEAT CONTROLLER	EC-1000	REFRIGERATION SYSTEM CONTROLLER
16AI	16 ANALOG/DIGITAL INPUT BOARD	AKC55	AKCESS RACK CONTROLLER
8IO	8 RELAY OUTPUT/8 RELAY INPUT BOARD	SI8	SENSOR INPUT BOARD
8RO	8 RELAY OUTPUT BOARD	OIL8	ON-OFF INPUT BOARD
ССВ	CASE CONTROLLER BOARD	RO8	RELAY OUTPUT BOARD
VS	VARIABLE SPEED CONTROLLER BOARD	P/S	POWER SUPPLY
RS485	ON SITE COMMUNICATION CABLE	OAB	OFFICE ALARM BOX
RS232	REMOTE COMMUNICATION CABLE	LON	ECHELON NETWORK WIRING

CONTROLLER RELAY OUTPUT BOARD 8IO BOARD CONTROLLER

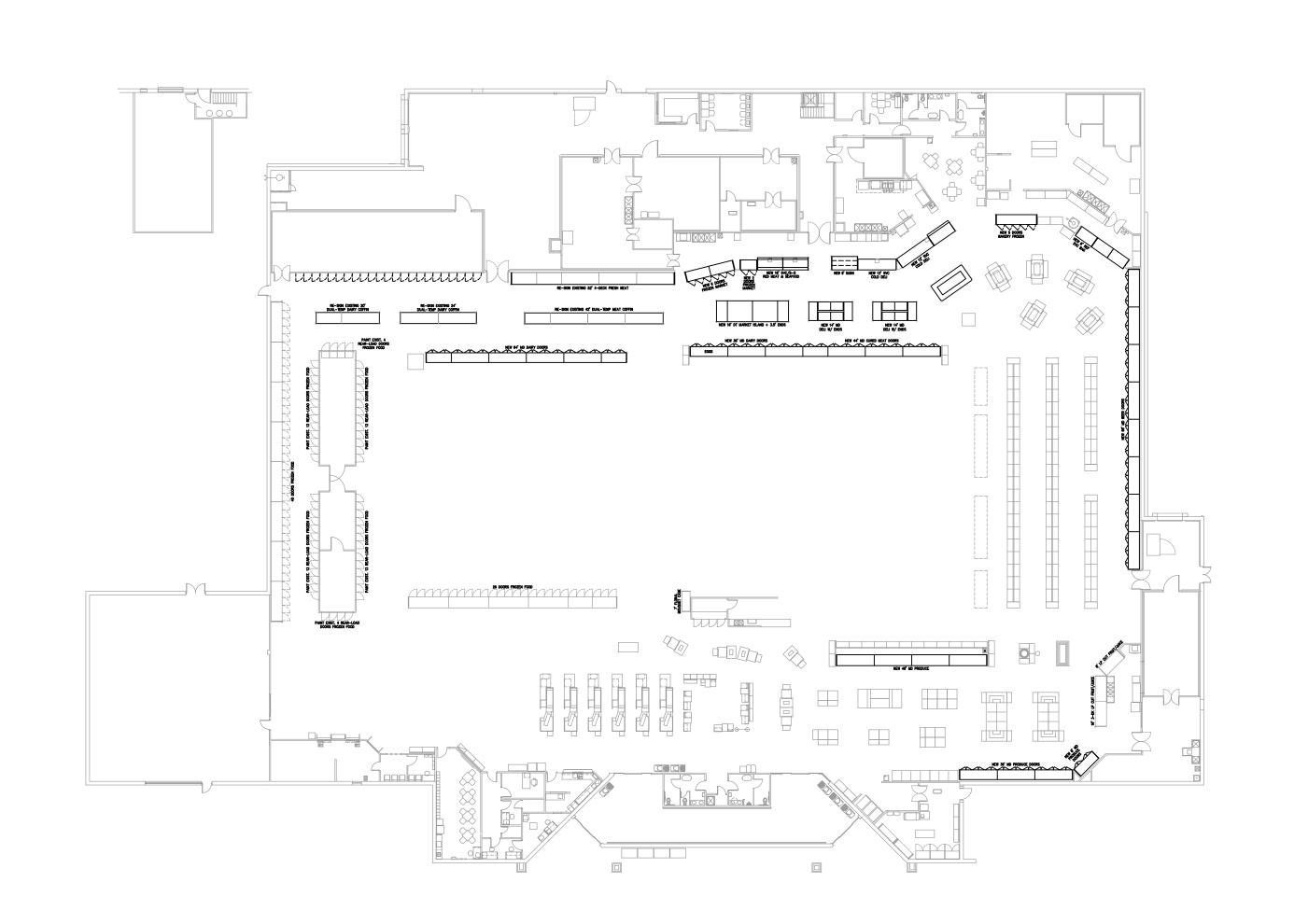
SYMBOL

DESCRIPTION

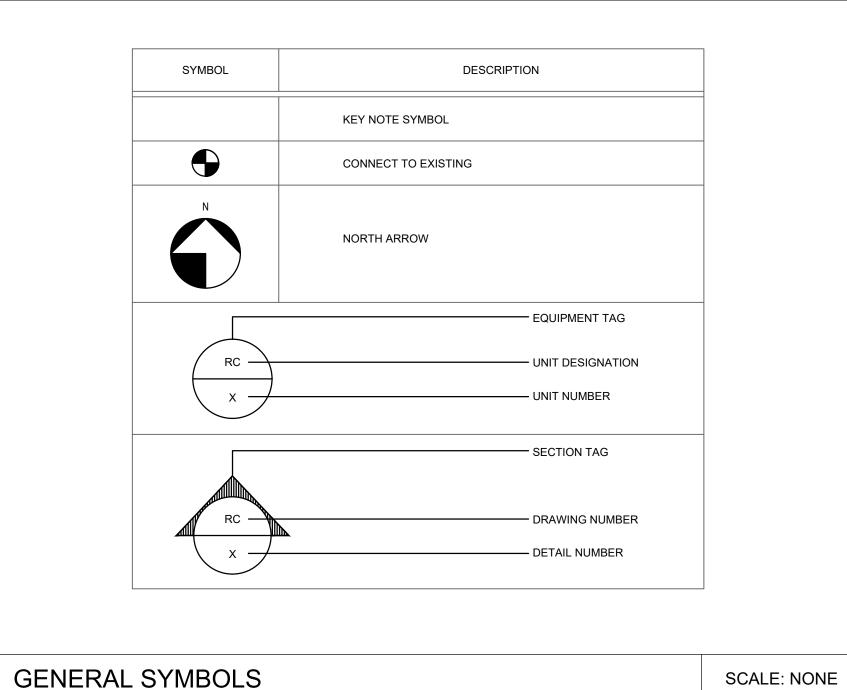
SYMBOL

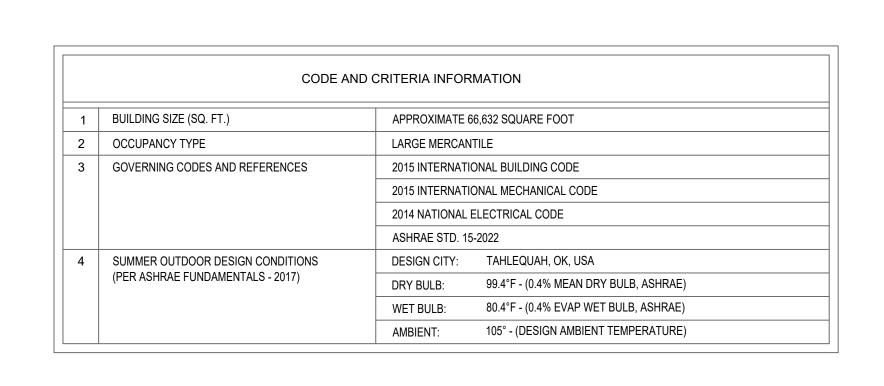
DESCRIPTION

REFRIGERATION SYMBOLS REFRIGERATION / EMS ABBREVIATIONS SCALE: NONE SCALE: NONE



AFF	ABOVE FINISHED FLOOR	MEZZ	MEZZANINE
AFG	ABOVE FINISHED GRADE	MFG	MANUFACTURER
ATC	AUTOMATIC TEMPERATURE CONTROLS	МН	MOUNTING HEIGHT
ASHRAE	AMERICAN SOCIETY OF REFRIGERATION & AIR-CONDITIONING ENGINEERS	MIN	MINIMUM
BFG	BELOW FINISHED GRADE	MTD	MOUNTED
BLDG	BUILDING	N/A	NOT APPLICABLE
ВТИ	BRITISH THERMAL UNIT	NC	NORMALLY CLOSED
СЕМ	CONDENSER EQUIPMENT MANUFACTURER	NEC	NATIONAL ELECTRIC CODE
CLG	CEILING	NIC	NOT IN CONTRACT
СО	COMPANY	NO	NORMALLY OPEN
CONTR	CONTRACTOR	NTS	NOT TO SCALE
CSM	COMPRESSOR SYSTEM MANUFACTURER	ОС	ON CENTER
СТЕ	CONNECT TO EXISTING	PC	PLUMBING CONTRACTOR
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DWG(S)	DRAWING(S)	R	EXISTING EQUIPMENT TO BE REMOVED
EC	ELECTRICAL CONTRACTOR	REM	REFRIGERATION EQUIPMENT MANUFACTURER
EM	EMERGENCY	RIC	REFRIGERATION INSTALLATION CONTRACTOR
EQUIP	EQUIPMENT	RL	EXISTING EQUIPMENT TO BE RELOCATED
ETR	EXISTING TO REMAIN	RLA	RUNNING LOAD AMPS
EX	EXISTING	RPM	REVOLUTIONS PER MINUTE
FLA	FULL LOAD AMPS	SQ. FT.	SQUARE FEET
GC	GENERAL CONTRACTOR	TYP	TYPICAL
HC	HVAC CONTRACTOR	VSD	VARIABLE SPEED DRIVE
НМ	HVAC MANUFACTURER		
HP	HORSEPOWER		
LRA	LOCK ROTOR AMPS		
MAX	MAXIMUM		
MBH	THOUSANDS OF BTU'S/HOUR		
MC	MECHANICAL CONTRACTOR		
MCA	MINIMUM CIRCUIT AMPS		
	1		





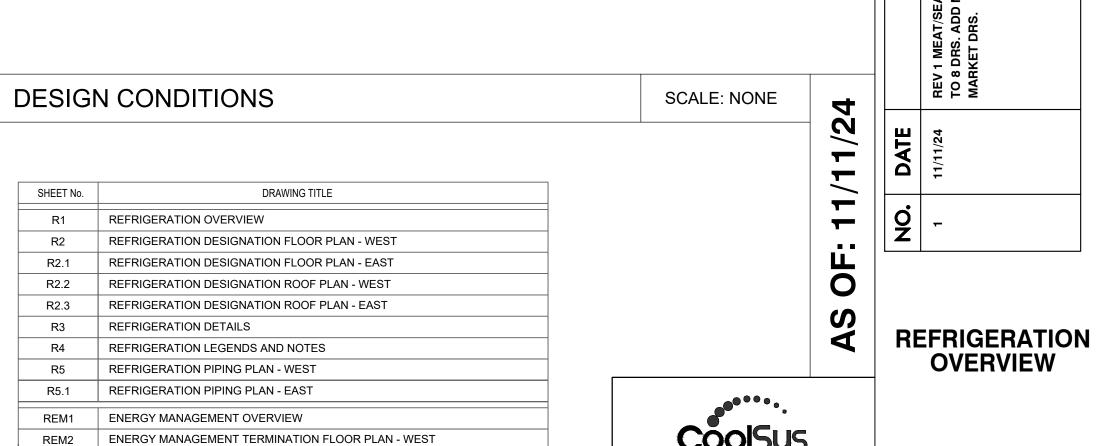
2 CLASSI 3 TYPE O 4 AMOUN 5 VOLUM SYSTEM	ERANT TYPE FICATION F SYSTEM T OF REFRIGERANT E CALCULATION I APPLICATION REQUIREMENTS AND ATIONS (EQUIPMENT WEIGHTS)	R-448A A1 DIRECT EXPANSION SYSTEMS SYSTEM #1 (RACK 'A') - SEE R4 SHEET SYSTEM #2 (RACK 'B') - SEE R4 SHEET SYSTEM #3 (RACK 'C') - SEE R4 SHEET SYSTEM #4 (RACK 'D') - SEE R4 SHEET SEE REFRIGERATION LINE SIZING SYSTEM #1 - SEE SHEET R4
3 TYPE O 4 AMOUN 5 VOLUM SYSTEM	F SYSTEM T OF REFRIGERANT E CALCULATION I APPLICATION REQUIREMENTS AND	DIRECT EXPANSION SYSTEMS SYSTEM #1 (RACK 'A') - SEE R4 SHEET SYSTEM #2 (RACK 'B') - SEE R4 SHEET SYSTEM #3 (RACK 'C') - SEE R4 SHEET SYSTEM #4 (RACK 'D') - SEE R4 SHEET SEE REFRIGERATION LINE SIZING SYSTEM #1 - SEE SHEET R4
4 AMOUN 5 VOLUM SYSTEM	T OF REFRIGERANT E CALCULATION I APPLICATION REQUIREMENTS AND	SYSTEM #1 (RACK 'A') - SEE R4 SHEET SYSTEM #2 (RACK 'B') - SEE R4 SHEET SYSTEM #3 (RACK 'C') - SEE R4 SHEET SYSTEM #4 (RACK 'D') - SEE R4 SHEET SEE REFRIGERATION LINE SIZING SYSTEM #1 - SEE SHEET R4
5 VOLUM SYSTEM	E CALCULATION I APPLICATION REQUIREMENTS AND	SYSTEM #2 (RACK 'B') - SEE R4 SHEET SYSTEM #3 (RACK 'C') - SEE R4 SHEET SYSTEM #4 (RACK 'D') - SEE R4 SHEET SEE REFRIGERATION LINE SIZING SYSTEM #1 - SEE SHEET R4
SYSTEM	I APPLICATION REQUIREMENTS AND	SYSTEM#1 - SEE SHEET R4
6		
		SYSTEM #2 - SEE SHEET R4 SYSTEM #3 - SEE SHEET R4 SYSTEM #4 - SEE SHEET R4
7 VENTIL	ATION REQUIREMENTS AND CALCULATIONS	SEE HVAC PLANS
8 TYPE O	MACHINE ROOM	NOT APPLICABLE
9 PIPE / T	JBE MATERIAL USED	TYPE L OR TYPE K COPPER ACR
10 LIST OF	SAFETY DEVICES	LEAK DETECTION EQUIPMENT

ENERGY MANAGEMENT TERMINATION FLOOR PLAN - EAST ENERGY MANAGEMENT TERMINATION ROOF PLAN - WEST ENERGY MANAGEMENT TERMINATION ROOF PLAN - EAST ENERGY MANAGEMENT LEAK DETECTION PLAN - WEST

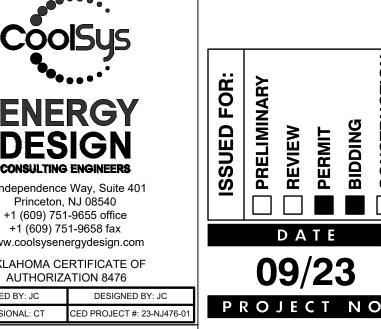
REM3.1 ENERGY MANAGEMENT LEAK DETECTION PLAN - EAST ENERGY MANAGEMENT I/O SCHEDULES

REFRIGERATION EQUIPMENT / INSTALLATION SPECIFICATIONS

ENERGY MANAGEMENT CONTROL RISER DIAGRAMS







PROJECT NO. 4090200-0 STORE NO.

SCALE: NONE

5 REFRIGERATION OVERVIEW GENERAL ABBREVIATIONS SCALE: 1/32" = 1-0' (6)

SCALE: NONE

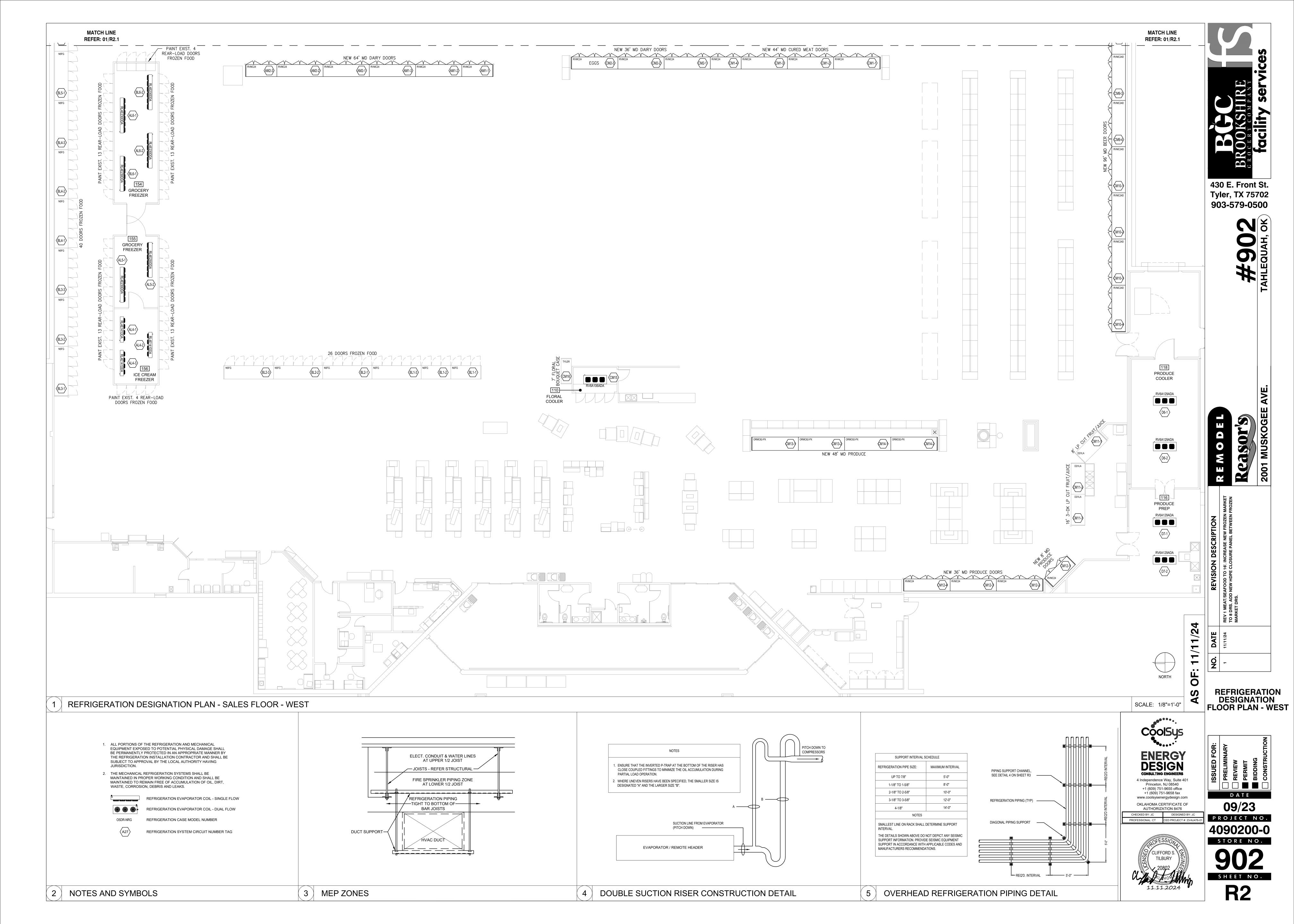
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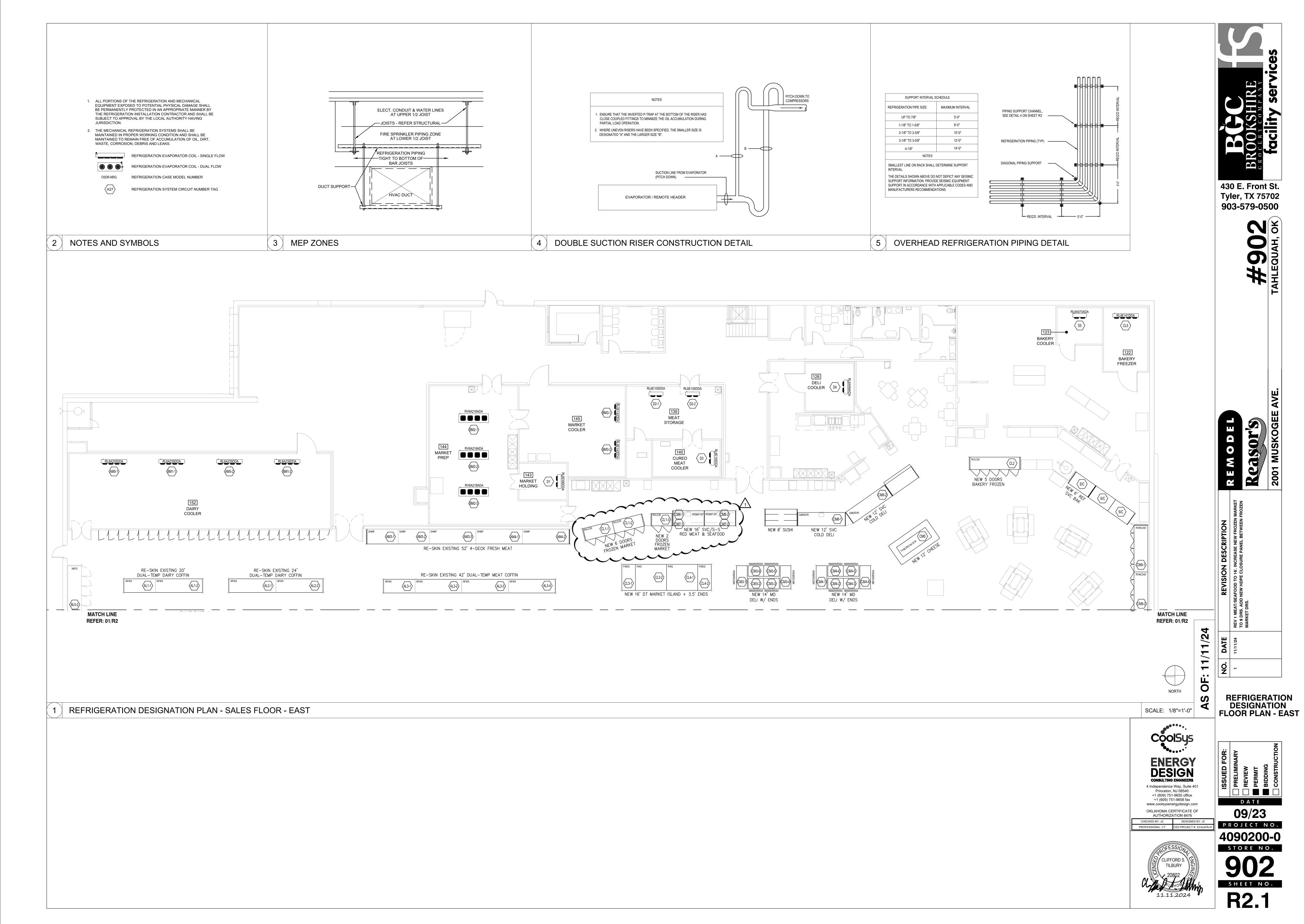
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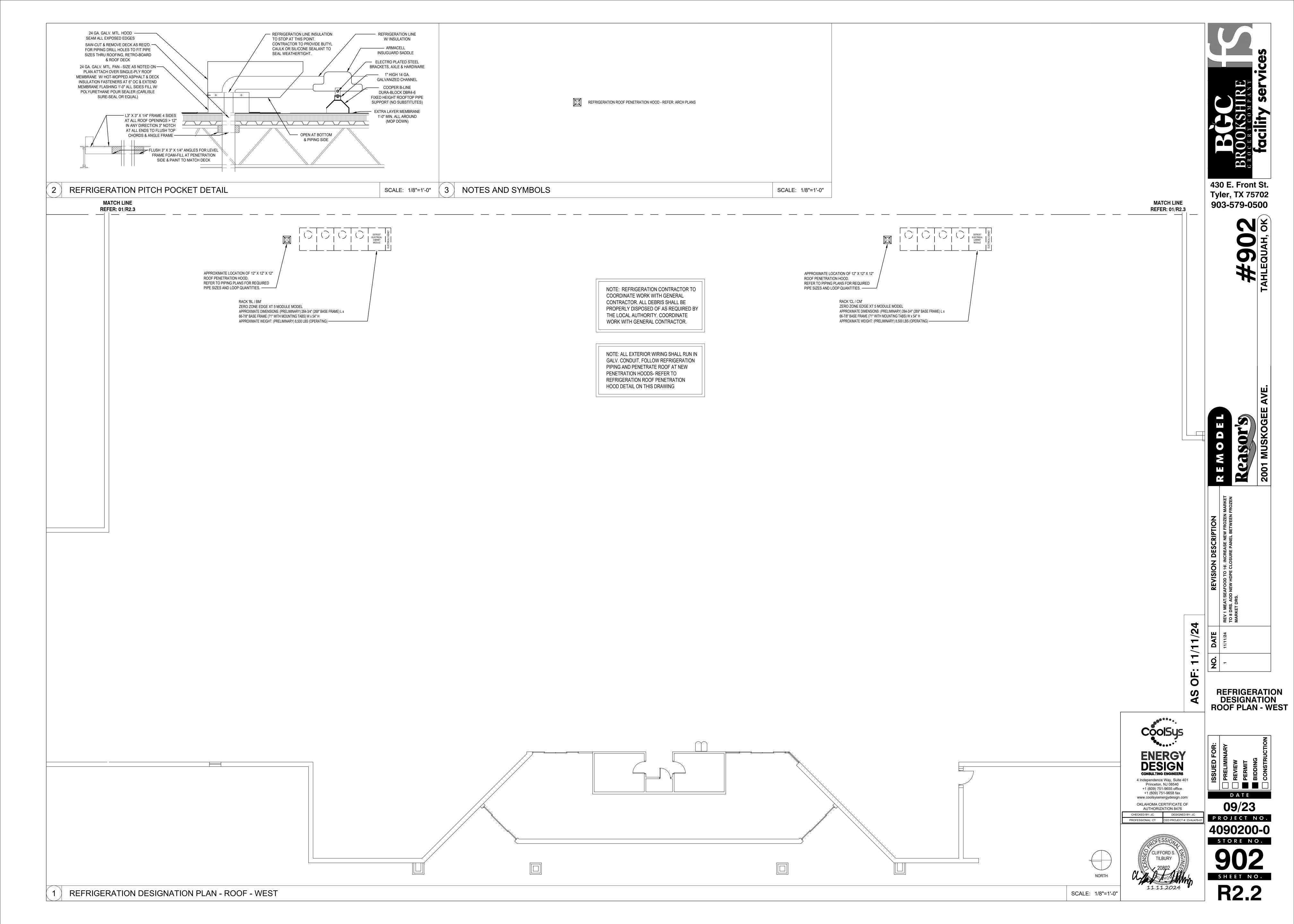
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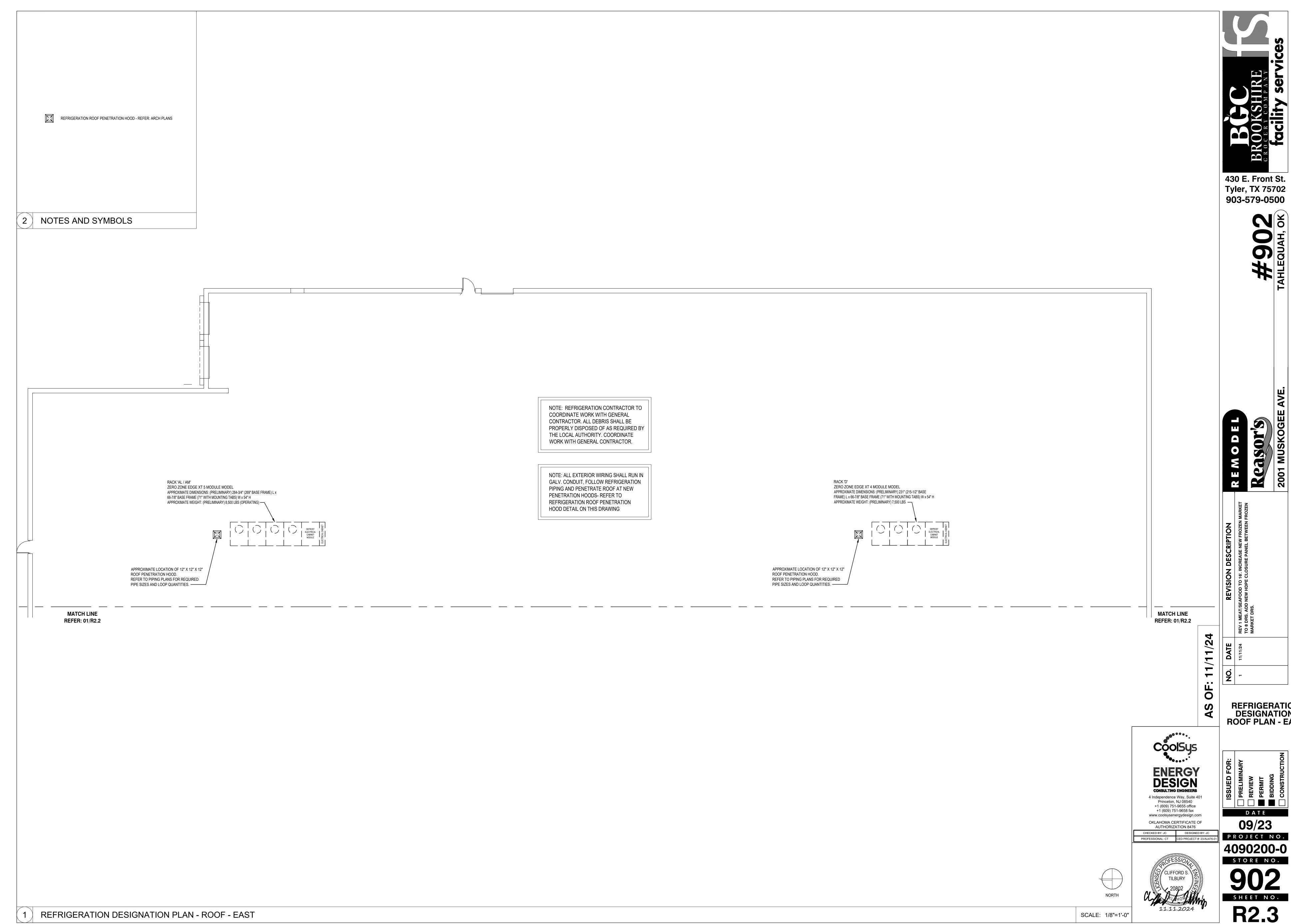
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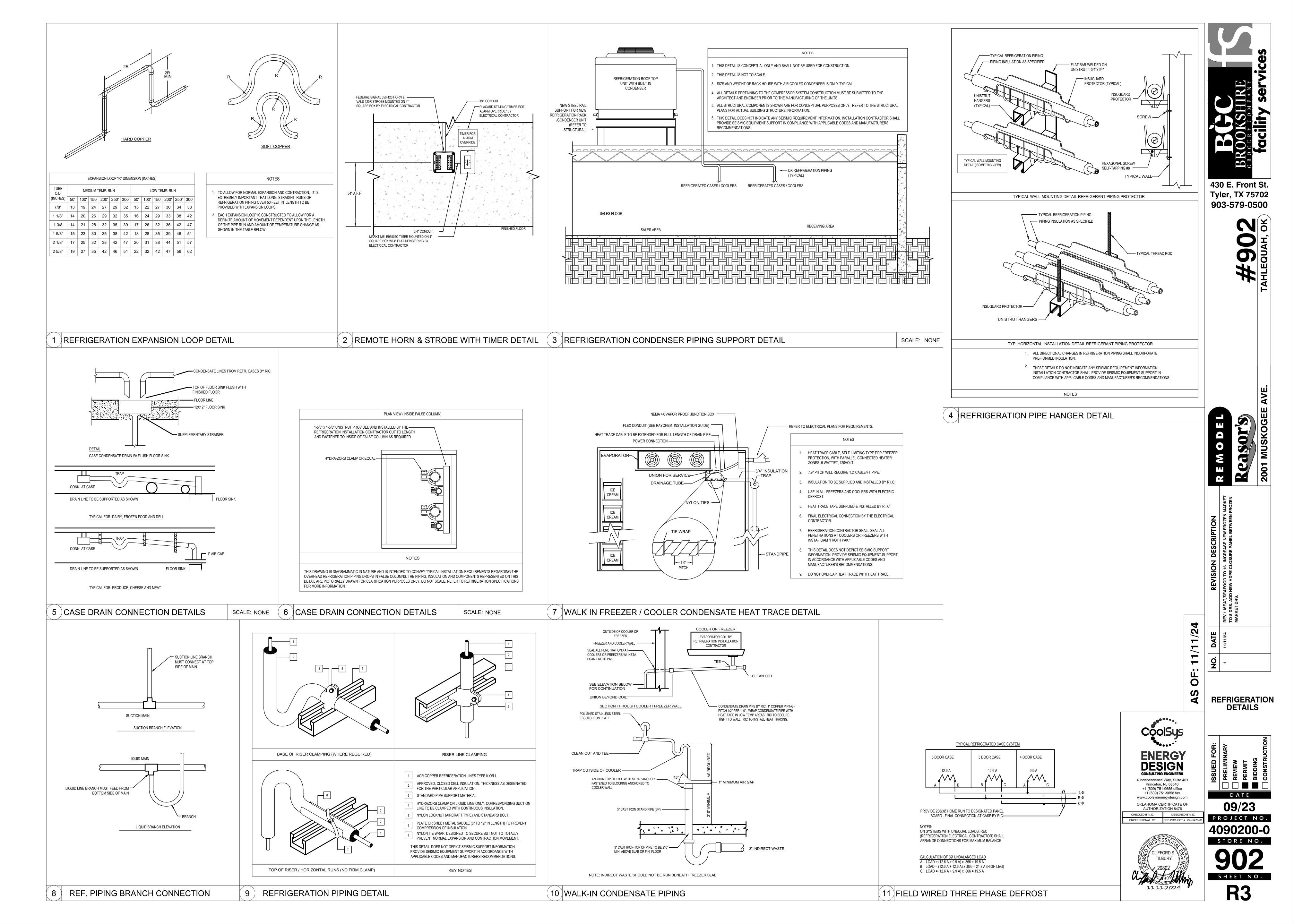








REFRIGERATION DESIGNATION ROOF PLAN - EAST



	_							<u></u>	_	REFRIGER	ATION EQUIPMENT SCHEDU	JLE - RE	ASO	R'S #902 T	AHLEQUAF	, OK (AS OF J	ANUARY	4, 2024)	_	_				_		
	C	OMPRE	SSOR UNI	DATA						REFF	RIGERATION CIRCUIT DATA					ACC	ESSORIES I	DATA					ELECTRIC	AL DATA		
UNIT DESIGNATION	COMPRESSOR	CAPACIT (MBH)	(MBH)	kw		EER	FLA 460/3/60 (AMPS)	CKT #	LINE-UP	MANUFACTURER'S MODEL NUMBER	DESCRIPTION	REFRIG LOAD (MBh)	EVAP TEMP (°F)	DESIGN ROOM / CASE TEMP (°F)	(NOTE #1)	DX CONTROL VALVE SIZE (SUCTION) (NOTE #1)	DEFROST TERMINATION CONTROL	ITPE	FREQ MIN	EFROST RMATION TERM DR (°F) (MI	IP #	CONDENSATE LINE HEAT TRACE REQUIREMENT (120V/1ph)	EVAP. FAN AMPS PER CIRCUIT (VOLTAGE INDICATED)	ANTI-SWEAT HEATER AMPS PER CIRCUIT (120V/1ph)	DEFROST HEATER AMPS (VOLTAGE INDICATED)	DRAIN PAN HEATER AMP (120V/1ph)
GROUP AL' - LOW									Í	TYLER - NFWX	AT 120°F (R448A MID POINT TEMP 12	20°F / 124°	F DEW -25	-15		CDS-7 [0.10 psi/44%	SENSOR	HOT GAS	2 20	55 3	AL1	_	1.7 @ 120/1/60	2.2		
AL1 AL2	ZFD41K5E-TFD ZF49K5E-TFD	39.1 43.8	70.84 84.76	9.30 12.00	12.0	4.20 3.65	19.3 20.2	AL2 AL3	24 FT 44 FT	TYLER - NFWX TYLER - NFWX	NARROW ISLAND DUAL TEMP NARROW ISLAND DUAL TEMP	9.41	-25 -25	-15		CDS-7 [0.15 psi/53% CDS-7 [0.50 psi/97%	SENSOR	HOT GAS	2 20	55 3	AL2		2.0 @ 120/1/60 3.7 @ 120/1/60	2.5	 	
AL3 AL4	ZF54K5E-TFD ZF54K5E-TFD	53.3 53.3	96.65 96.65	12.70 12.70		4.20 4.20	28.6 28.6	V2 R. 2 S		(3) RUSSELL RL4E141DDA (2) RUSSELL RL4E230EDA	ICE CREAM FREEZER (156) GROCERY FREEZER (155)	46.14 40.85	-20 -10	-10 -11 -2 -2	E6S140 [1.5 psi/8 E6S140 [1.2 psi/7			ELECTRIC ELECTRIC	4 45 4 45	565.75	AL4 AL5	YES YES	6.0 @ 208/1/60 (KEY NOTE # 6.0 @ 208/1/60 (KEY NOTE #		57.6 @ 208/1/60 (KEY NOTE#33.6 @ 208/3/60 (KEY NOTE#3	
	TOTAL CAPACITY PERCENT SPARE	189.50 18.12%	348.89	46.7	61.0		96.7	AL6	36.3' x 11.3' x 12'	(2) RUSSELL RL4E230EDA	1/2 GROCERY FREEZER (154)	38.94	-10	-2 -3	E6S140 [1.1 psi/7	3%] CDS-9 [0.76 psi/33%	SENSOR	ELECTRIC	4 45	45 3	AL6	YES	6.0 @ 208/1/60 (KEY NOTE #	/ 3) —	33.6 @ 208/3/60 (KEY NOTE#	3)
Spare MBH = 29.08 SEE GENERAL INFORMA SROUP 'AM' - MED	TOTAL REQUIRED ATION BELOW DIUM TEMP - R448A	160.42																								
CHILD SOME DESCRIPTION OF THE STATE OF THE S	°F / Condensing D ZBD57KCE-TFD	2.70	73.75	iquid Te		6.18	15.2	AM1 AM2	16 DRS	ZERO ZONE RVMC24 ZERO ZONE RVMC24	REACH-IN DAIRY DOORS REACH-IN DAIRY DOORS	7.10 7.10	28 28	33 33		CDS-4 [0.37 psi/18% CDS-4 [0.37 psi/18%		OFFTIME OFFTIME	3 45 3 45		AM1 AM2	- 3.2 - 3.2	2.4 @ 120/1/60 2.4 @ 120/1/60			
AM2 AM3	ZB57KCE-TFD ZB48KCE-TFD	47.5 41.5	73.75 64.71	7.69 6.80		6.18 6.10	15.2 13.6	AM3 AM4	28 FT 24 FT	TYLER DHMF TYLER DHMF	MULTIDECK FRESH MEAT MULTIDECK FRESH MEAT	38.50 33.00	17 17	27 27		CDS-9 [0.82 psi/86% CDS-9 [0.59 psi/74%		OFFTIME OFFTIME	4 46 4 46	THE REAL PROPERTY.	AM3 AM4	- 13.3 - 11.4	4.2 @ 120/1/60 3.6 @ 120/1/60	_ _		
	PERCENT SPARE	136.50 8.59%	212.20	22.2	21.5		44.0	AM5	32' x 15' x 10'	(2) RUSSELL RL6A235ADA	1/2 DAIRY COOLER (152)	40.00	28	35 35	E6S140 [0.98 psi/	0%] CDS-9 [0.66 psi/24%	1	OFFTIME	3 45	45 0	AM5		6.4 @ 120/1/60 (KEY NOTE #	#3) —		
Spare MBH = 10.8 SYSTEM	TOTAL REQUIRED		561.09	0000	82.50		140.70																			
NOTE: LEAD COMPRESS	SOR OF EACH GROUP TO	200000000000000000000000000000000000000			COMPRESSOR																					
RETURN GAS TEMPERA 5-MODULE EDGE XT (4-F		_			XT - 5 MODO JECTION (MBH)																					
DIMENSIONS: 284-3/4" (20 66-7/8" FRAME (71" WITH 64" H	MOUNTING TABS) W x	R448A	COIL CAPACI	CALCU	5 ROWS (MBH)): <u>14.9</u>																				
DPERATING WEIGHT: 8,5 160/3/60: MCA: 153A; MOR	PD: 175A			TEMP PIPE	CHARGE (LBS)	i): <mark>65</mark>																				
208/3/60 4-WIRE: MCA: 61 20/1/60 CONTROL: MCA		<u>TOT/</u>			CHARGE (LBS)																					
GROUP 'BL' - LOW	TEMP - R448A								IENT TEMP	WITH 15°F TD CONDENSING	AT 120°F (R448A MID POINT TEMP 12	20°F / 124°	F DEW	POINT TEMP	·)									,		
BL1	6°F / Condensing [ZFD41K5E-TFD	41.3	73.55	9.45	12.0	4.37	19.3	BL2	15 DRS	TYLER - N5FGA TYLER - N5FGA	REACH-IN FROZEN FOOD / ICE CREAM REACH-IN FROZEN FOOD / ICE CREAM	19.13 26.09	-23 -23	-12 -12		CDS-9 [0.26 psi/69% CDS-9 [0.49 psi/94%	SENSOR	HOT GAS	2 20 20 20 20 20	55 3	100000000000000000000000000000000000000	- 6.8 - 8.7	6.6 @ 120/1/60 9.0 @ 120/1/60	18.9 25.5		4.3 5.8
BL2 BL3 BL4	ZF49K5E-TFD ZF49K5E-TFD ZF49K5E-TFD	46.6 46.6 46.6	88.24 88.24 88.24	12.20 12.20 12.20	15.0	3.82 3.82 3.82	20.2 20.2 20.2	BL3 BL4 BL5	15 DRS	TYLER - N5FGA TYLER - N5FGA TYLER - N5FGA	REACH-IN FROZEN FOOD / ICE CREAM REACH-IN FROZEN FOOD / ICE CREAM REACH-IN FROZEN FOOD / ICE CREAM	26.09 26.09 17.39	-23 -23 -23	-12 -12		CDS-9 [0.49 psi/94% CDS-9 [0.49 psi/94% CDS-7 [0.48 psi/93%	SENSOR	HOT GAS HOT GAS	2 20 2 20 2 20	55 3	BL3 BL4 BL5	- 8.7 - 8.7 - 5.8	9.0 @ 120/1/60 9.0 @ 120/1/60 6.0 @ 120/1/60	25.5 25.5 17.0	 	5.8 5.8 3.8
DL4	TOTAL CAPACITY PERCENT SPARE	181.10 17.82%		46.1	100000000	3.02	79.9	the distance of		(2) RUSSELL RL4E230EDA	1/2 GROCERY FREEZER (154)	38.94	-10	-2 -3	E6S140 [1.1 psi//			ELECTRIC	4 45		BL6	_ 5.8 YES	6.0 @ 208/1/60 (KEY NOTE #	17.17.1	33.6 @ 208/3/60 (KEY NOTE #	10000
Spare MBH = 27.39 SEE GENERAL INFORMA	TOTAL REQUIRED	153.71																								
	DIUM TEMP - R448A SF / Condensing D	Dew Tem		_iquid Te	mp = 116°F					(2) RUSSELL RL6A235ADA	1/2 DAIRY COOLER (152)	40.00	28	35 35		0%] CDS-9 [0.66 psi/27%	+	OFFTIME	3 45	-	500000		6.4 @ 120/1/60		-	
BM1 BM2	ZBD57KCE-TF5 ZB57KCE-TF5	50.7 50.7	77.25 77.25	7.78 7.78	7.5	6.52 6.52	15.2 15.2	BM2 BM3		(3) RUSSELL RV6A218ADA (2) RUSSELL RL6E142DDA	MARKET PREP (144) MARKET COOLER (145)	71.74 28.05	30 20	40 39 28 28		3%] CDS-17 [0.63 psi/24% 3%] CDS-9 [0.39 psi/59%		OFFTIME ELECTRIC	3 45 3 45	45 C 45 3	BM2 BM3	 YES	9.6 @ 120/1/60 3.0 @ 208/1/60 (KEY NOTE #	#3) —	 28.6 @ 208/1/60 (KEY NOTE#	3)
BM3	ZB57KCE-TF5 TOTAL CAPACITY PERCENT SPARE	50.7 152.10 8.81%	77.25 231.76	7.78 23.3		6.52	15.2 45.6																			
Spare MBH = 12.31	TOTAL REQUIRED	139.79	570.03	69.39	79.50		125.50																			
NOTE: LEAD COMPRESS	SOR OF EACH GROUP TO		AL INFORMAT		COMPRESSOR																					
RETURN GAS TEMPERA RETURN GAS TEMPERA	TURE MED TEMP: 50°F				XT - 5 MODI		1																			
5-MODULE EDGE XT (4-F DIMENSIONS: 284-3/4" (20 56-7/8" FRAME (71" WITH	69" BASE FRAME) L x			Y/4 MOD/	JECTION (MBH) 5 ROWS (MBH) ILATED TD (°F)): 566.0																				
04 H DPERATING WEIGHT: 8,5 160/3/60: MCA: 137A: MOF			LOW	RACK	CHARGE (LBS)	i): <mark>88</mark>																				
208/3/60 4-WIRE: MCA: 61 20/1/60 CONTROL: MCA		<u> тот</u> ,			CHARGE (LBS)																					
		RO ZONE	EDGE XT	UNIT ON	ROOF LEV	/EL - DESIG	GNED 105	1			AT 120°F (R448A MID POINT TEMP 12															
GROUP 'CL' - LOW Suction Temp = -2	2°F / Condensing [ZFD25KVE-TFD		1912	SubCoo	11.544.000	emp = 50°F	(NOTE #2) CL1	8 DRS	ZERO ZONE RVLC30	REACH-IN FROZEN MARKET REACH-IN FROZEN BAKERY	9.20	-16	-12		CDS-7 [0.11 psi/19%	SENSOR	ELECTRIC	1 40	55 3	CL1	_ 1.3	3.4 @ 120/1/60	6.1	20.78 @ 208/3/60	
CL2	ZF18KVE-TFD	28.3	48.78 39.61	5.10		4.35	9.3	CL3	20 FT 20 FT	HUSSMANN - FW, FWG HUSSMANN - FW, FWG	1/2 DUAL TEMP ISLAND 1/2 DUAL TEMP ISLAND	7.65 7.65	LT: -20 MT: +19 LT: -20	LT: -12 MT: +2/1 LT: -12		CDS-7 [0.082 psi/38% CDS-7 [0.082 psi/38%	SENSOR	ELECTRIC ELECTRIC	1 60	48 3	CL3		0.6 @ 120/1/60 0.6 @ 120/1/60	2.7	21.92 @ 208/1/60 (KEY NOTE # 21.92 @ 208/1/60 (KEY NOTE #	3)
	TOTAL CAPACITY PERCENT SPARE	50.50 14.69%	88.38	11.1	12.0		21.2	1	16.3' x 11.3' x 10'	(1) RUSSELL RL4E141DDA	BAKERY FREEZER (133)	13.78	MT: +19 -10	-2 -2	E3S130 [1.3 psi/8		-	ELECTRIC	4 45		CL5	YES	2.0 @ 208/1/60 (KEY NOTE #		19.2 @ 208/1/60 (KEY NOTE#	
Spare MBH = 6.47 SEE GENERAL INFORMA		44.03					•																			
AND THE PARTY OF T	OIUM TEMP - R448A	Dew Temp				0.05	07.4	CM1	22 DRS	ZERO ZONE RVMC24	REACH-IN DAIRY DOORS	9.75	28	33		CDS-4 [0.70 psi/28%		OFFTIME	3 45		CM1	- 4.4	3.3 @ 120/1/60	_		
CM2 CM3	ZBD114K5E-TFD ZB95K5E-TFD ZB95K5E-TFD	100.0 80.5 80.5	154.61 126.92 126.92	16.00 13.60 13.60	13.0	6.25 5.92 5.92	27.1 24.3 24.3	CM2 CM3 CM4	18 DRS 28 FT 28 FT		REACH-IN DAIRY DOORS RSSA MULTI-DECK DAIRY WITH ENDS RSSA MULTI-DECK DAIRY WITH ENDS	7.95 31.24 31.24	20	33 30		CDS-4 [0.46 psi/22% CDS-9 [0.49 psi/66% CDS-9 [0.49 psi/66%	I	OFFTIME OFFTIME	3 45 6 30 6 30	N/A C	CM3	_ 3.6 	2.7 @ 120/1/60 8.9 @ 120/1/60 8.9 @ 120/1/60			
CM4	ZB57KCE-TFD TOTAL CAPACITY	50.7 311.70	77.25	7.78 50.98	7.5	6.52	15.2 90.90				CHEESE ISLAND FRONT SIDE OF SERVICE MARKET CASES	no m ludad			~~~~					50			3.0 @ 120/1/60 1.0 @ 120/1/60	3.4		1
Spare MBH = 49.84	PERCENT SPARE TOTAL REQUIRED	19.03% 261.86						CM8	16 FT 24 FT	HUSSMANN VR3-M-F-EP STRUCT. CONCEPTS - GMDSV12R	TOP SIDE OF SERVICE MARKET CASES SERVICE DELIMEAT / CHEESE	8.48 8.40	26 20	34 -	ت	CDS-4 [0.57 psi/25%] CDS-4 [0.64 psi/74%]		OFFTIME OFFTIME	6 30	N/A C	CM7	SI	E CIRCUIT CM6 FOR ELECTRICAL 1.8 @ 120/1/60	REQS.	كسيس	-
SYSTEM '		GENER	574.08 AL INFORMAT	ION	60.50		112.10	CM10	24 DRS 24 DRS	ZERO ZONE RVMC24D ZERO ZONE RVMC24D	REACH-IN BEER REACH-IN BEER	10.28	28	33		CDS-4 [0.78 psi/29% CDS-4 [0.78 psi/29%	l	OFFTIME OFFTIME	3 45	N/A C	CM9 CM10	- 4.3 - 4.3	7.2 @ 120/1/60 7.2 @ 120/1/60			
RETURN GAS TEMPERA RETURN GAS TEMPERA					XT - 5 MODI	ULE	1	CM11 CM12 CM13	24 FT 22 DRS 24 FT	TYLER D2VL ZERO ZONE RVMC24 ZERO ZONE - ORMC82	LOW PROFILE CUT FRUIT / JUICE REACH-IN PRODUCE DOORS MULTI-DECK PRODUCE	25.80 9.75 31.66	27 28 26	35 33 36		CDS-7 [0.62 psi/29% CDS-4 [0.70 psi/28% CDS-9 [0.43 psi/25%	l	OFFTIME OFFTIME OFFTIME	2 40 3 45 4 30	N/A C	CM11 CM12	- 3.3 - 4.4 - 3.1	3.0 @ 120/1/60 3.3 @ 120/1/60 7.2 @ 120/1/60	0.9 —	 	
5-MODULE EDGE XT (4-F DIMENSIONS: 284-3/4" (20	FAN + 1-ELECTRICAL) 69" BASE FRAME) L x	Т	OTAL RACK H	EAT OF RE	JECTION (MBH) 5 ROWS (MBH)	l): 574.1		CM14 CM15	24 FT	ZERO ZONE - ORMC82 (1) RUSSELL RV6A106ADA	MULTI-DECK PRODUCE FLORAL COOLER W/ DOORS (110)	31.66 10.10	26 25	36 35 33		CDS-9 [0.43 psi/25%]	OFFTIME OFFTIME	4 30 3 45	N/A C	CM14 CM15	- 3.1 YES	7.2 @ 120/1/60 1.6 @ 120/1/60 (KEY NOTE #	_	— —	
66-7/8" FRAME (71" WITH 54" H DPERATING WEIGHT: 8,5					ILATED TD (°F) CHARGE (LBS))	CM16	7 FT	EXISTING CASE	FLORAL BOUQUET CASE	7.00	25	35		CDS-4 [0.39 psi/26%	1	OFFTIME	3 45	45 0	CM16	YES ETR	EXISTING TO REMAIN	_		,
160/3/60: MCA: 127A; MOF 208/3/60 4-WIRE: MCA: 30	0A; MOPD: 35A	TOT/	MEDIUM	TEMP PIPE	CHARGE (LBS)	65	(
20/1/60 CONTROL: MCA	~~~		<u> </u>		CHARGE (LBS) N ROOF LE		IGNED 10	05°F AME	BIENT TEMP	P WITH 15°F TD CONDENSING	i AT 120°F (R448A MID POINT TEMP 1	20°F / 124	°F DFW	POINT TEM	P)											
GROUP 'D' - MEDIL									r	(1) RUSSELL RL6E090DDA	MARKET HOLDING (143)	8.25	20			0%] CDS-4 [0.61 psi/73%	SENSOR	ELECTRIC	3 45	45 3	D1	YES	1.0 @ 208/1/60 (KEY NOTE #	≠ 3)	9.8 @ 208/1/60 (KEY NOTE#	3)
D1 D2	ZBD57KCE-TFD ZB48KCE-TFD	50.7 44.3	77.25 67.71	7.78 6.86	6.5	6.52 6.46	15.2 13.6	D3	17.3' x 9.3' x 10'	(2) RUSSELL RL6E105DDA (1) RUSSELL RL6E105DDA	MEAT STORAGE (139) CURED MEAT COOLER (140)	19.62 10.17	20	28 28 28 28	E3S130 [1.6 psi/6	3%] CDS-7 [0.42 psi/62% 2%] CDS-4 [0.94 psi/90%	SENSOR	ELECTRIC ELECTRIC	3 45	45 3	D3	YES	2.0 @ 208/1/60 (KEY NOTE # 1.0 @ 208/1/60 (KEY NOTE #	#3) —	19.6 @ 208/1/60 (KEY NOTE# 9.8 @ 208/1/60 (KEY NOTE#	3)
D3	ZB48KCE-TFD TOTAL CAPACITY	139.30	67.71 212.68	6.86 21.5		6.46	13.6 42.4	D5	11.7' x 9.3' x 10'	(1) RUSSELL RL6A094ADA (1) RUSSELL RL6A073ADA	DELI COOLER (128) BAKERY COOLER (123)	10.17 8.35	25 25	35 35	E3S130 [1.1 psi/5	1%] CDS-4 [0.83 psi/37% 0%] CDS-4 [0.55 psi/31%]	OFFTIME	3 45	45 C	D5		1.6 @ 120/1/60 (KEY NOTE #	#3) —		
Spare MBH = 11.74	PERCENT SPARE TOTAL REQUIRED D' TOTAL	9.20% 127.57 139.30		21.50	20.50		42.40	D7		(2) RUSSELL RV6A129ADA (2) RUSSELL RV6A129ADA	PRODUCE COOLER (118) PRODUCE PREP (116)	27.26 43.75	26 35		100	1%] CDS-7 [0.72 psi/33% 1%] CDS-9 [0.67 psi/21%	4	OFFTIME OFFTIME	 	45 C	_		4.8 @ 120/1/60 (KEY NOTE # 4.8 @ 120/1/60 (KEY NOTE #			
	SOR OF EACH GROUP TO	GENER	AL INFORMAT	ION		I	. 2.40																			
RETURN GAS TEMPERA RETURN GAS TEMPERA	TURE LOW TEMP: 30°F	2	ZERO ZONI	E EDGE 2	XT - 4 MODI		1																			
1-MODULE EDGE XT (3-F DIMENSIONS: 231" (215-1 66-7/8" FRAME (71" WITH	FAN + 1 FLECTRICAL) 1/2"" BASE FRAME) L x 1 MOUNTING TABS) W x			Y/3 MOD/	JECTION (MBH)	l): 254.0																				
04"H OPERATING WEIGHT: 7,5	500 LBS.	•		RACK	CHARGE (LBS)	i): <mark>437</mark>											+									
160/3/60: MCA: 57A; MOPI 208/3/60 4-WIRE: MCA: 40	0A; MOPD: 45A	<u>TOT/</u>			CHARGE (LBS)		1																			
20/1/60 CONTROL: MCA	1: 16A; MOPD: 20A									1		I		l I								l l		_ i		

B. REFER TO FINAL EQUIPMENT MANUFACTURE SUBMITTALS. ANY DISCREPANCIES MUST BE DOCUMENTED IN WRITING TO OWNERS BIDDING REPRESENTATIVE AND ENGINEER OF RECORD.

2. SPORLAN SEVSER VALVE AND E2 APPLICATION CONTROLLER FACTORY INSTALLED AND WIRED BY OEM. CPC TEMPERATURE SENSORS REQUIRED FOR MONITORING SUBCOOLED OUTLET LIQUID TEMP AND SUBCOOLER CIRCUIT SUCTION TEMPERATURE.

1. REFRIGERATION EQUIPMENT MANUFACTURER TO SHIP LOOSE ALL CONTROL VALVES, REFRIGERATION CONTRACTOR TO FIELD INSTALL ALL CONTROL VALVES.

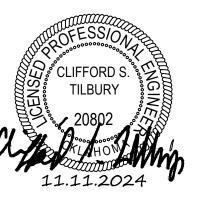
C. NEW SYSTEM RECEIVERS SHALL BE FULLY INSULATED AND HEAT TRACED.

3. RESPECTIVE LOAD IS POWERED FROM ITS RESPECTIVE CONTROL PANEL.

ENERGY DESIGN CONSULTING ENGINEERS +1 (609) 751-9655 office +1 (609) 751-9658 fax

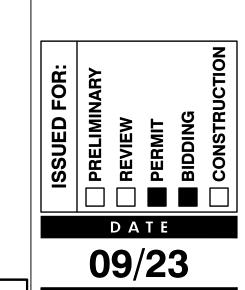
4 Independence Way, Suite 401 Princeton, NJ 08540 www.coolsysenergydesign.com OKLAHOMA CERTIFICATE OF AUTHORIZATION 8476

CHECKED BY: JC DESIGNED BY: JC
PROFESSIONAL: CT CED PROJECT #: 23-NJ476-01

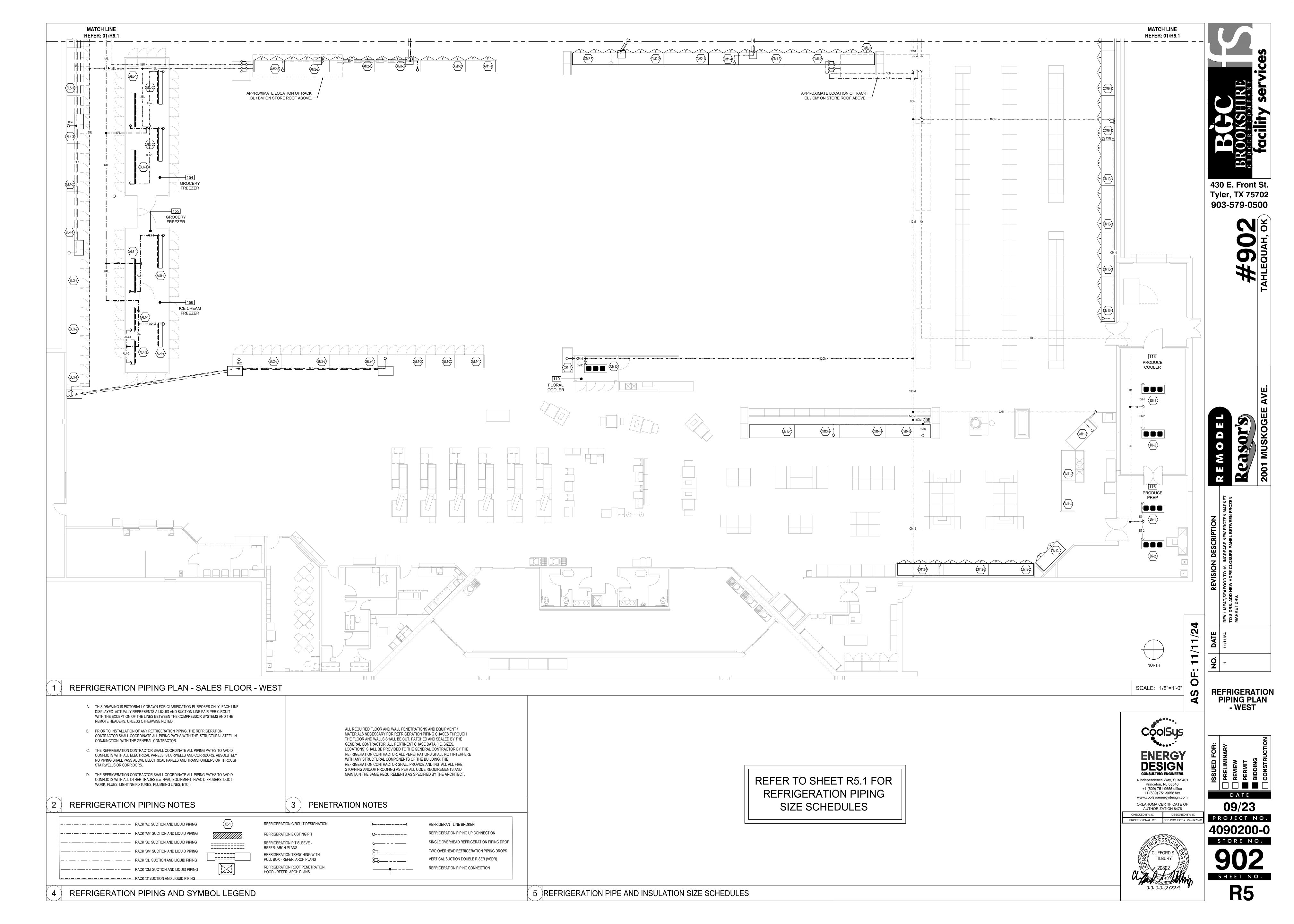


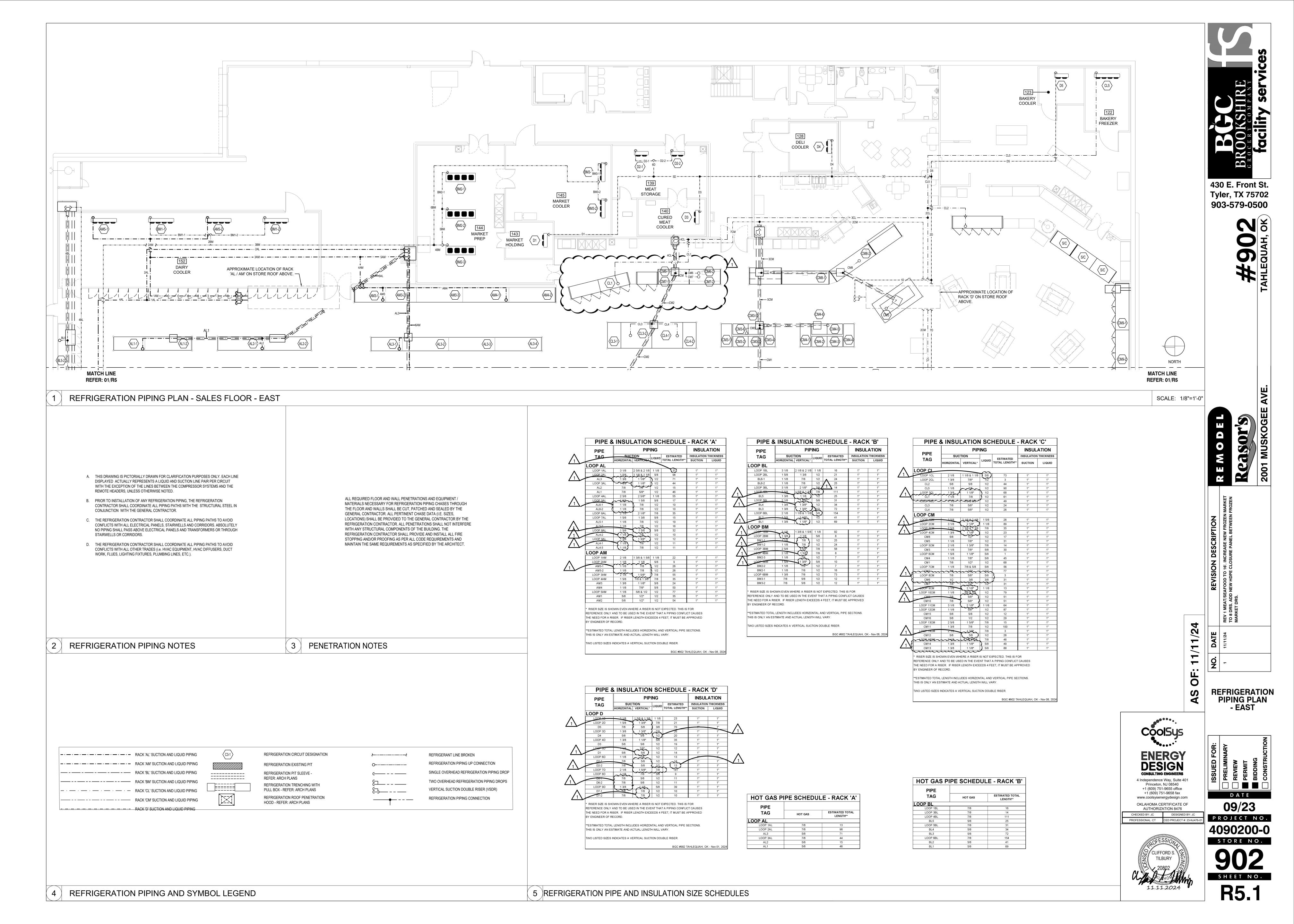
430 E. Front St. Tyler, TX 75702 903-579-0500

REFRIGERATION LEGENDS AND NOTES



09/23
PROJECT NO. 4090200-0 STORE NO. **R4**





SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
C4	NEW / MODIFIED REFRIGERATION CIRCUIT DESIGNATION	ESR8	ELECTRONIC SUCTION REGULATOR CONTROL BOARD (ALCO ESR VAVLES, SPORLAN CDS VALVES)	<u> </u>	CHECK VALVE
S/C	SELF-CONTAINED REFRIGERATION CIRCUIT DESIGNATION	TD3	CPC TEMPERATURE DISPLAY	M	MANUAL STEM SOLENOID W/O COIL
\triangle	DEFROST TERMINATION THERMOSTAT	DM	MODULAR DAC-55 DOOR MONITOR		MANUAL STEM SOLENOID VALVE
S	SUCTION STOP SOLENOID VALVE (DUAL VOLT COIL)	SI8	SENSOR INPUT BOARD	~	SCHRADER VALVE
s	SUCTION STOP SOLENOID VALVE (DUAL VOLT COIL) WITH HOT GAS DEFROST BYPASS CHECK VALVE	OIL8	ON-OFF INPUT BOARD		GLOBE VALVE
LLS	LIQUID LINE SOLENOID VALVE (DUAL VOLT COIL)	RO8	RELAY OUTPUT BOARD	- \$\$\$ -	VIBRATION ELIMINATOR
\square	LIQUID LINE SOLENOID VALVE (DUAL VOLT COIL) WITH CHECK VALVE	P/S	POWER SUPPLY		STRAINER
PI	SPORLAN SORIT-PI VALVE (DUAL VOLT COIL) - FIELD SPORLAN SORIT-PI VALVE (208v COIL) - RACK	J 12V	120volt POWER TO TRANSFORMER FOR CONTROL		PRESSURE REGULATING VALVE
PS	PARKER SPORT II VALVE (DUAL VOLT COIL) - FIELD PARKER SPORT II VALVE (208v COIL) - RACK	LDS	REFRIGERANT LEAK SENSOR	HZ	PURGE VALVE
MT	0 - 30 MINUTE MANUAL TIMER MOUNTED 6'-0" A.F.F. RELIANCE 3030	CS	CLEANING SWITCH	-[:::::]-	DRIER
DS	DOOR SWITCH	\odot	AUDIO / VISUAL ALARM ANNUNCIATOR (120 VOLT)		SIGHT GLASS
RT	REFRIGERANT LEAK TRANSDUCER	PP	CPC PRODUCT PROBE		SUCTION FILTER
CO 2	CARBON DIOXIDE SENSOR	P	ANALOG TEMPERATURE SENSOR	→	PRESSURE RELIEF VALVE
А	AMBIENT TEMPERATURE SENSOR	CP	COOLER PROBE	<u> </u>	PVC CONDUIT UNDER SLAB
	SPORLAN CDS-8/16 STEP MOTOR EVAPORATOR CONTROL VALVE (12 VDC)	S	ANALOG TEMPERATURE SENSOR (HVAC)	<u></u>	EXISTING TRENCHING
CCB CDS	CPC CASE CONTROLLER BOARD FOR CDS CONTROL (120 V INPUT, POWER MODULE JUMPER SET AT 12 VDC)	L	INFRARED REFRIGERANT LEAK DETECTION END FILTER		SUCTION / LIQUID LINE UP
CCB	CASE CONTROL BOARD	RH	ANALOG RELATIVE HUMIDITY SENSOR		SUCTION/LIQUID LINE CONNECTION
PM	POWER CONTROL MODULE	T	TEMPERATURE CONTROL		SUCTION/LIQUID LINE DOWN
Е	SMART CASE CONTROLLER W/POWER CONTROL MODULE	PD	DEFROST TERMINATION SENSOR		EXISTING REFRIGERATION PULL BOX
V	VISUAL ALARM ANNUNCIATOR (120 VOLT)	SPC59a	ANALOG TEMPERATURE SENSOR (REFRIGERATION)		EXISTING PULL BOX TO BE ABANDONED
16AI	CPC 16 ANALOG INPUT BOARD	DP	DEW POINT SENSOR. BELDEN #8729-4 #22 SHIELDED TO INPUT BOARD AS INDICATED.		EXISTING TRENCHING TO BE ABANDONED
8RO	CPC 8 RELAY OUTPUT BOARD	LLS	LOW LIGHT SENSOR (INDOOR)		REFRIGERATION PULL BOX
8IO	CPC INPUT/OUTPUT BOARD	J	CLEAN POWER FIELD INSTALLED BY EC		EVAPORATOR (LOW PROFILE TYPE)
ESR	ESR VALVE	\ominus	125V/20A DUPLEX RECEPTACLE RECESSED IN CASE KICK PLATE. FACTORY INSTALLED BY CASE MANUFACTURER.		EVAPORATOR (LOW VELOCITY TYPE)
DTS	DUAL TEMP. SWITCH		3 - WAY HEAT RECLAIM VALVE	VTS	CPC VERI TEMP SENSOR
ıдı	FULL PORT BALL VALVE	\otimes	THERMOSTATIC EXPANSION VALVE	VFR I	CPC VERI FRESH RECEIVER

REFRIGERATION SYMBOLS

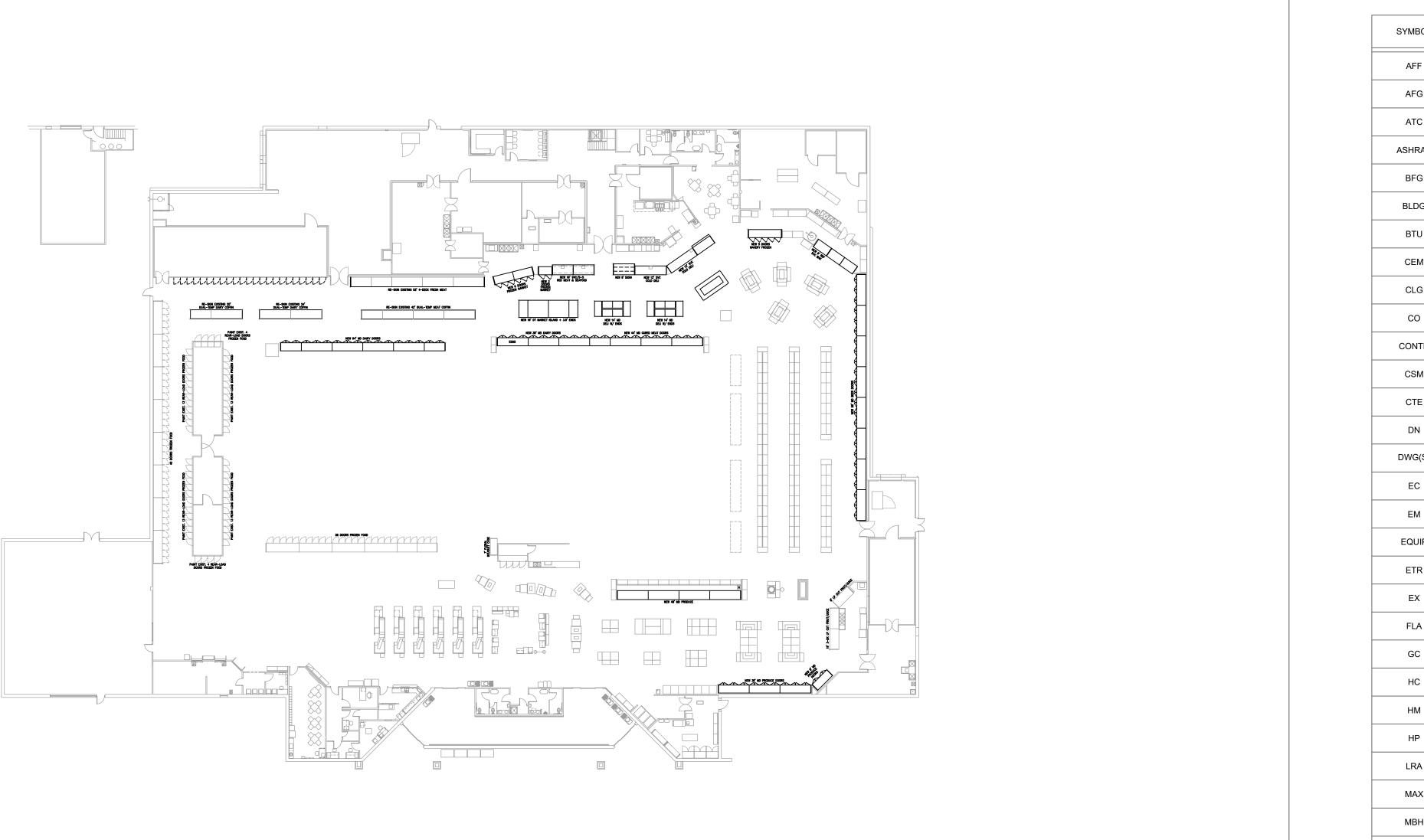
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		
COMPR	COMPRESSOR	RH	RELATIVE HUMIDITY		
CONDR	CONDENSER	S/C	SELF CONTAINED FIXTURE		
CU	CONDENSING UNIT	Т	THERMOSTAT		
DB	DRY BULB	WB	WET BULB		
EER	ENERGY EFFICENCY RATIO	VS	VERTICAL SUCTION LINE		
EL	ELECTRIC	HS	HORIZONTAL SUCTION LINE		
GPM	GALLONS PER MINUTE	VSDR	VERTICAL SUCTION DOUBLE RISER		
Н	HUMIDISTAT	L	LIQUID LINE		
HG	HOT GAS	D6E	CASE FIXTURE MODEL NUMBER		
HV	HEATING AND VENTILATION	ОТ	OFF TIME		
HVAC	HEATING, VENTILATION, AIR-CONDITIONING	MT	MEDIUM TEMPERATURE		
LT	LOW TEMPERATURE	OAB	OFFICE ALARM BOX		
RX-300/400	EINSTEIN REFRIGERATION CONTROLLER	SAI	SERIAL ANALOG IN BOARD		
BX-300/400	EINSTEIN BUILDING ENVIRONMENTAL CONTROLLER	SDI	SERIAL DIGITAL IN BOARD		
RMCC	REFRIGERATION MONITOR AND CASE CONTROLLER	SAO	SERIAL ANALOG OUT BOARD		
BEC	BUILDING ENVIRONMENT CONTROL	SDO	SERIAL DIGITAL OUT BOARD		
BCU	STORE ENVIRONMENTAL CONTROLLER	RC-1000	REFRIGERATION SYSTEM CONTROLLER		
ARTC	ADVANCED ROOFTOP CONTROL	RC-2000	STORE ENVIRONMENTAL CONTROLLER		
PMAC	PULSE MODULATION ANTI-SWEAT CONTROLLER	EC-1000	REFRIGERATION SYSTEM CONTROLLER		
16AI	16 ANALOG/DIGITAL INPUT BOARD	AKC55	AKCESS RACK CONTROLLER		
8IO	8 RELAY OUTPUT/8 RELAY INPUT BOARD	SI8	SENSOR INPUT BOARD		
8RO	8 RELAY OUTPUT BOARD	OIL8	ON-OFF INPUT BOARD		
ССВ	CASE CONTROLLER BOARD	RO8	RELAY OUTPUT BOARD		
VS	VARIABLE SPEED CONTROLLER BOARD	P/S	POWER SUPPLY		
RS485	ON SITE COMMUNICATION CABLE	OAB	OFFICE ALARM BOX		
RS232	REMOTE COMMUNICATION CABLE	LON	ECHELON NETWORK WIRING		
X-2-3 INPUT 16AI BC		OINT#	8IO(2/1)-2(I) ————————————————————————————————————		

CONTROLLER

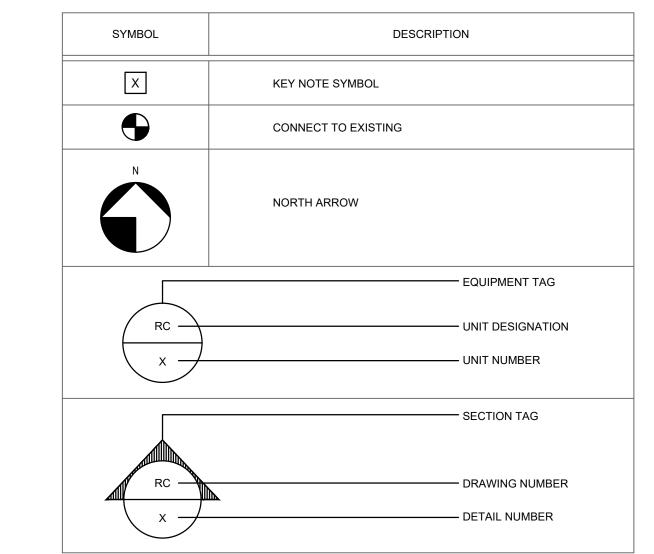
REFRIGERATION / EMS ABBREVIATIONS

------ CONTROLLER

SCALE: NONE



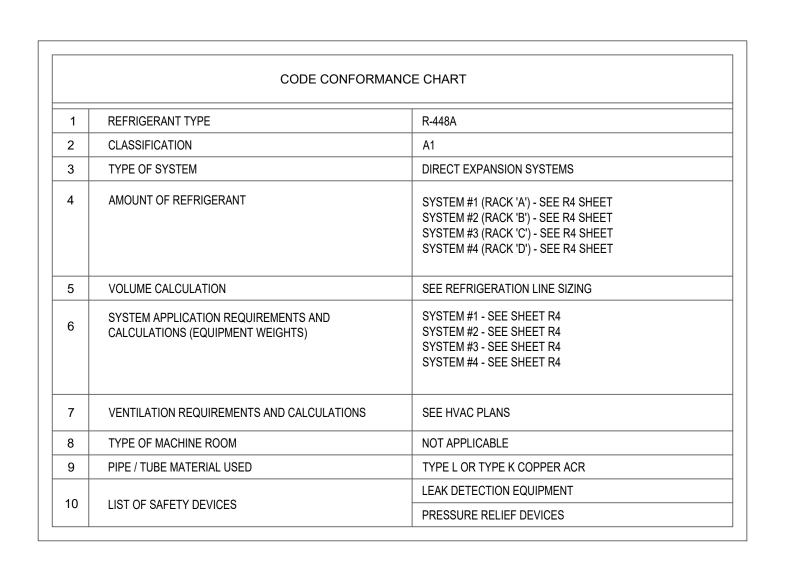
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	MEZZ	MEZZANINE
AFG	ABOVE FINISHED GRADE	MFG	MANUFACTURER
ATC	AUTOMATIC TEMPERATURE CONTROLS	MH	MOUNTING HEIGHT
ASHRAE	AMERICAN SOCIETY OF REFRIGERATION & AIR-CONDITIONING ENGINEERS	MIN	MINIMUM
BFG	BELOW FINISHED GRADE	MTD	MOUNTED
BLDG	BUILDING	N/A	NOT APPLICABLE
BTU	BRITISH THERMAL UNIT	NC	NORMALLY CLOSED
CEM	CONDENSER EQUIPMENT MANUFACTURER	NEC	NATIONAL ELECTRIC CODE
CLG	CEILING	NIC	NOT IN CONTRACT
СО	COMPANY	NO	NORMALLY OPEN
CONTR	CONTRACTOR	NTS	NOT TO SCALE
CSM	COMPRESSOR SYSTEM MANUFACTURER	ОС	ON CENTER
CTE	CONNECT TO EXISTING	PC	PLUMBING CONTRACTOR
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DWG(S)	DRAWING(S)	R	EXISTING EQUIPMENT TO BE REMOVED
EC	ELECTRICAL CONTRACTOR	REM	REFRIGERATION EQUIPMENT MANUFACTURER
EM	EMERGENCY	RIC	REFRIGERATION INSTALLATION CONTRACTOR
EQUIP	EQUIPMENT	RL	EXISTING EQUIPMENT TO BE RELOCATED
ETR	EXISTING TO REMAIN	RLA	RUNNING LOAD AMPS
EX	EXISTING	RPM	REVOLUTIONS PER MINUTE
FLA	FULL LOAD AMPS	SQ. FT.	SQUARE FEET
GC	GENERAL CONTRACTOR	TYP	TYPICAL
HC	HVAC CONTRACTOR	VSD	VARIABLE SPEED DRIVE
НМ	HVAC MANUFACTURER		
HP	HORSEPOWER		
LRA	LOCK ROTOR AMPS		
MAX	MAXIMUM		
МВН	THOUSANDS OF BTU'S/HOUR		
МС	MECHANICAL CONTRACTOR		
MCA	MINIMUM CIRCUIT AMPS		



430 E. Front St. **Tyler, TX 75702** 903-579-0500

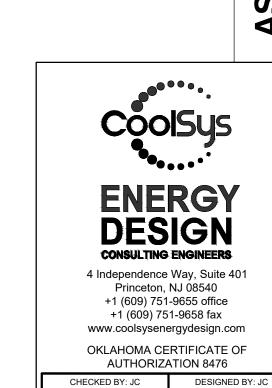
GENERAL SYMBOLS SCALE: NONE

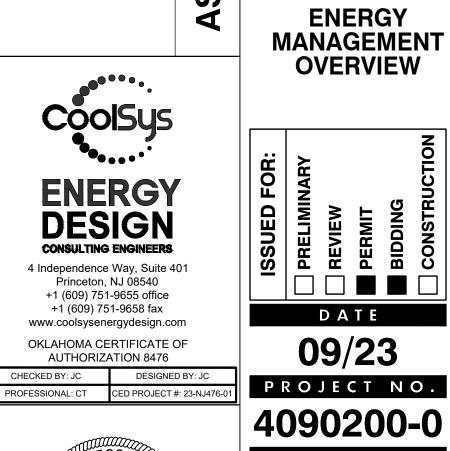
	CODE AN	ND CRITERIA INFOR	MATION
1	BUILDING SIZE (SQ. FT.)	APPROXIMATE 6	66,632 SQUARE FOOT
2	OCCUPANCY TYPE	LARGE MERCAN	TILE
3	GOVERNING CODES AND REFERENCES	2015 INTERNATION	ONAL BUILDING CODE
		2015 INTERNATION	ONAL MECHANICAL CODE
		2014 NATIONAL	ELECTRICAL CODE
		ASHRAE STD. 15	5-2022
4	SUMMER OUTDOOR DESIGN CONDITIONS	DESIGN CITY:	TAHLEQUAH, OK, USA
	(PER ASHRAE FUNDAMENTALS - 2017)	DRY BULB:	99.4°F - (0.4% MEAN DRY BULB, ASHRAE)
		WET BULB:	80.4°F - (0.4% EVAP WET BULB, ASHRAE)
		AMBIENT:	105° - (DESIGN AMBIENT TEMPERATURE)



DESIGN CONDITIONS SCALE: NONE

SHEET No.	DRAWING TITLE
R1	REFRIGERATION OVERVIEW
R2	REFRIGERATION DESIGNATION FLOOR PLAN - WEST
R2.1	REFRIGERATION DESIGNATION FLOOR PLAN - EAST
R2.2	REFRIGERATION DESIGNATION ROOF PLAN - WEST
R2.3	REFRIGERATION DESIGNATION ROOF PLAN - EAST
R3	REFRIGERATION DETAILS
R4	REFRIGERATION LEGENDS AND NOTES
R5	REFRIGERATION PIPING PLAN - WEST
R5.1	REFRIGERATION PIPING PLAN - EAST
REM1	ENERGY MANAGEMENT OVERVIEW
REM2	ENERGY MANAGEMENT TERMINATION FLOOR PLAN - WEST
REM2.1	ENERGY MANAGEMENT TERMINATION FLOOR PLAN - EAST
REM2.2	ENERGY MANAGEMENT TERMINATION ROOF PLAN - WEST
REM2.3	ENERGY MANAGEMENT TERMINATION ROOF PLAN - EAST
REM3.1	ENERGY MANAGEMENT LEAK DETECTION PLAN - WEST
REM3.2	ENERGY MANAGEMENT LEAK DETECTION PLAN - EAST
REM4	ENERGY MANAGEMENT I/O SCHEDULES
REM5	ENERGY MANAGEMENT CONTROL RISER DIAGRAMS
REM6	ENERGY MANAGEMENT CONTROL SCHEDULES
REFRIG	ERATION EQUIPMENT / INSTALLATION SPECIFICATIONS

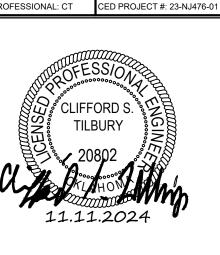




1/11/2

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OF



DATE 09/23 PROJECT NO. 4090200-0 STORE NO. 902 SHEET NO. REM1

5 REFRIGERATION OVERVIEW

SCALE: 1/32" = 1-0' (6)

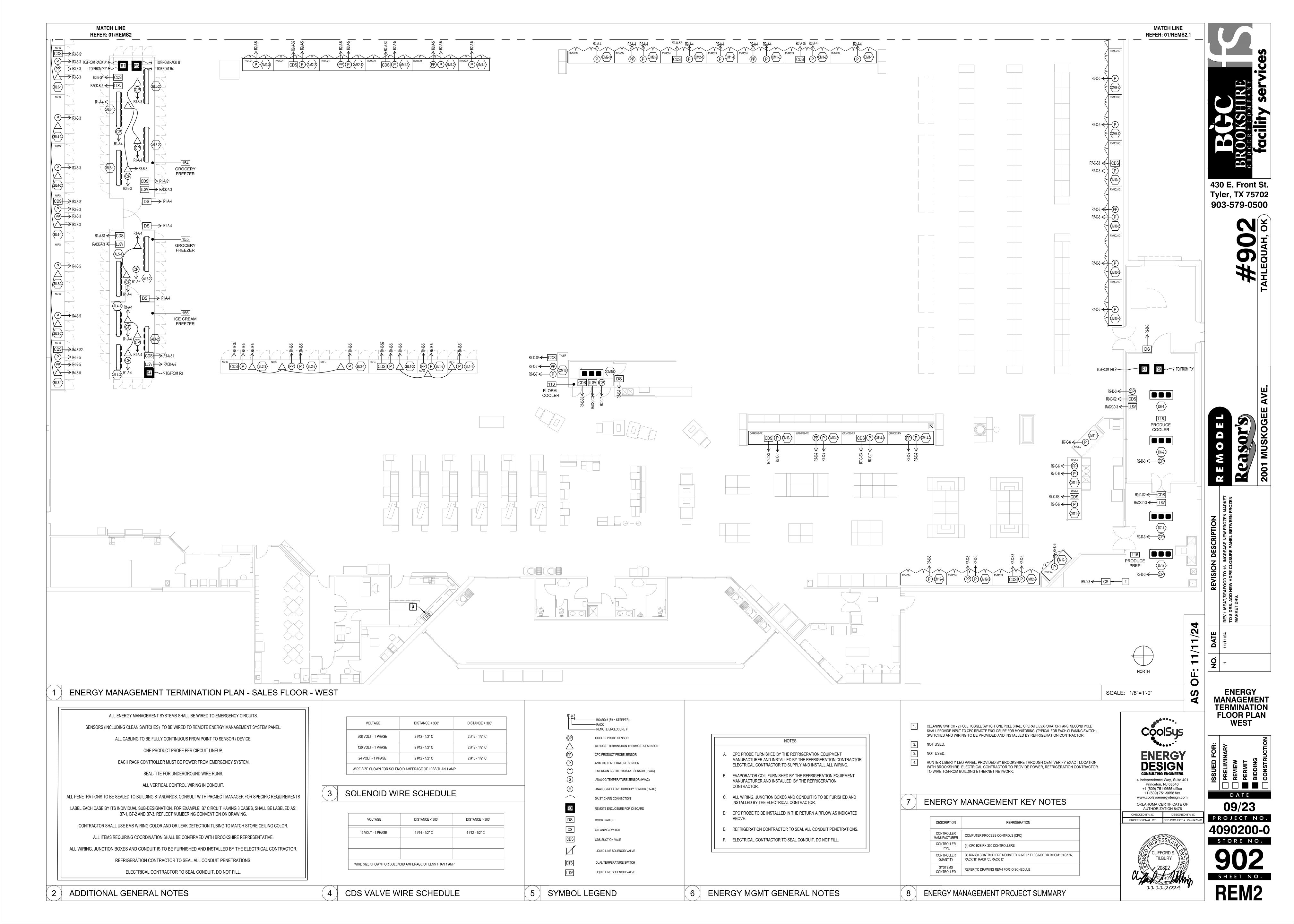
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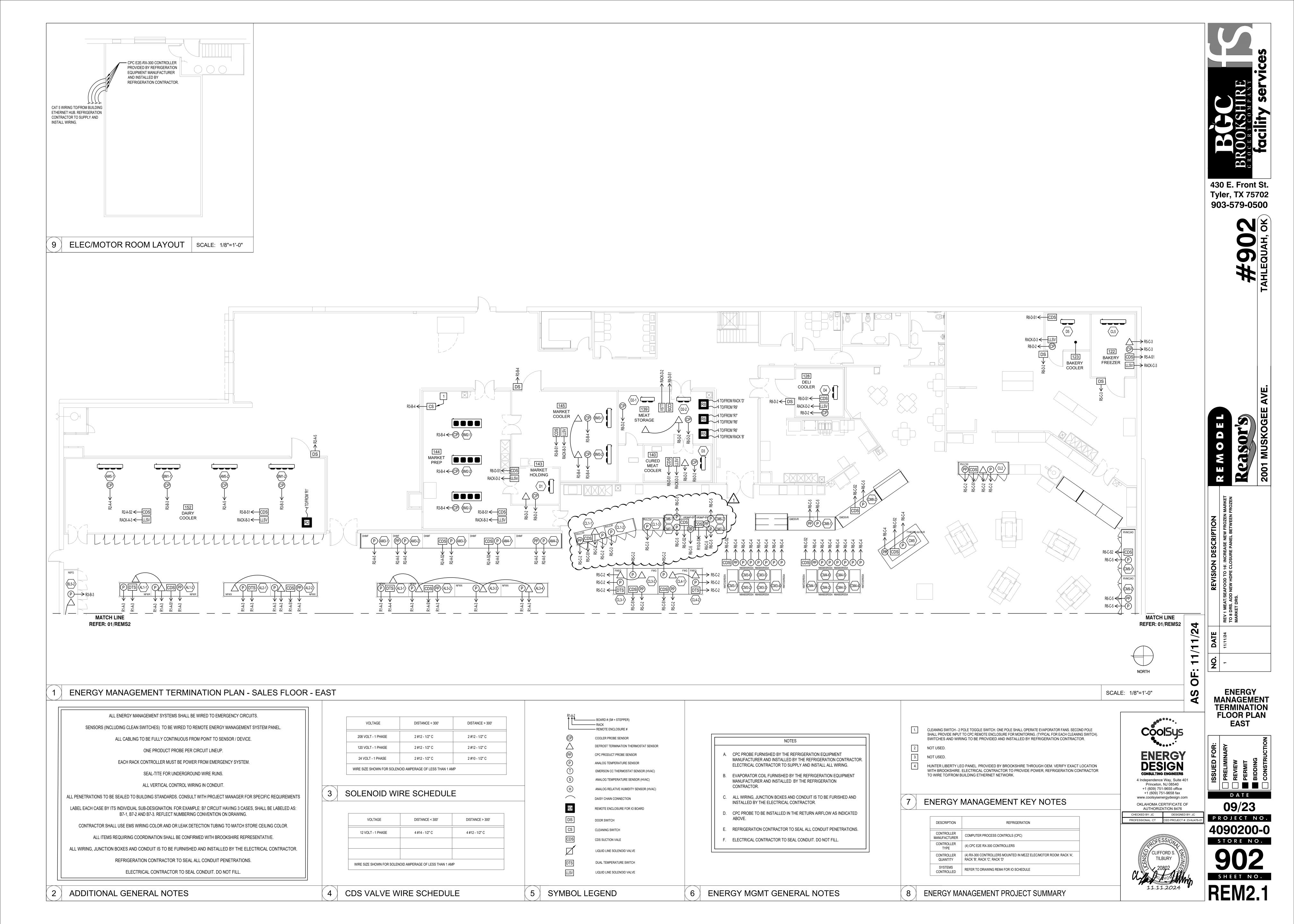
GENERAL ABBREVIATIONS

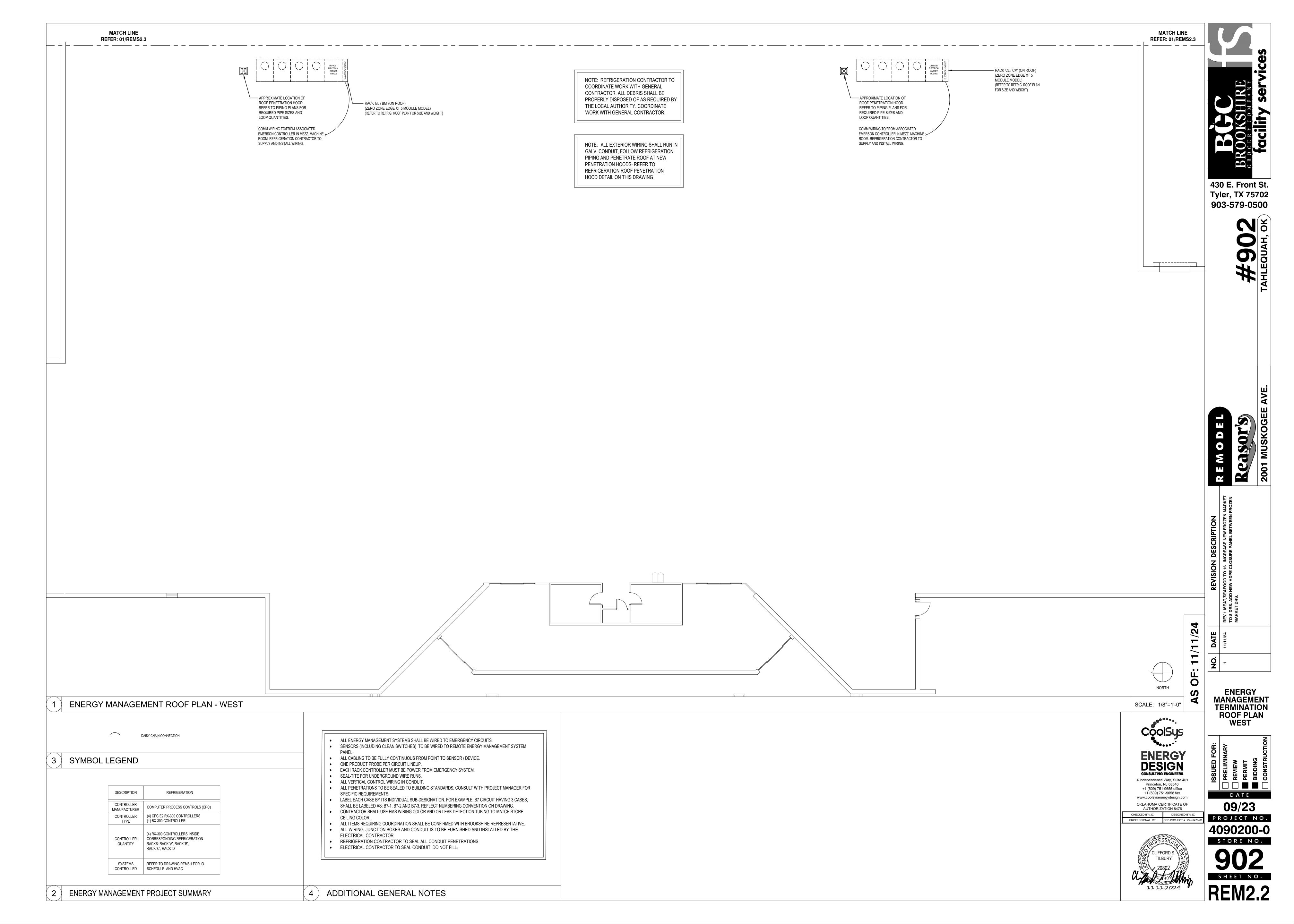
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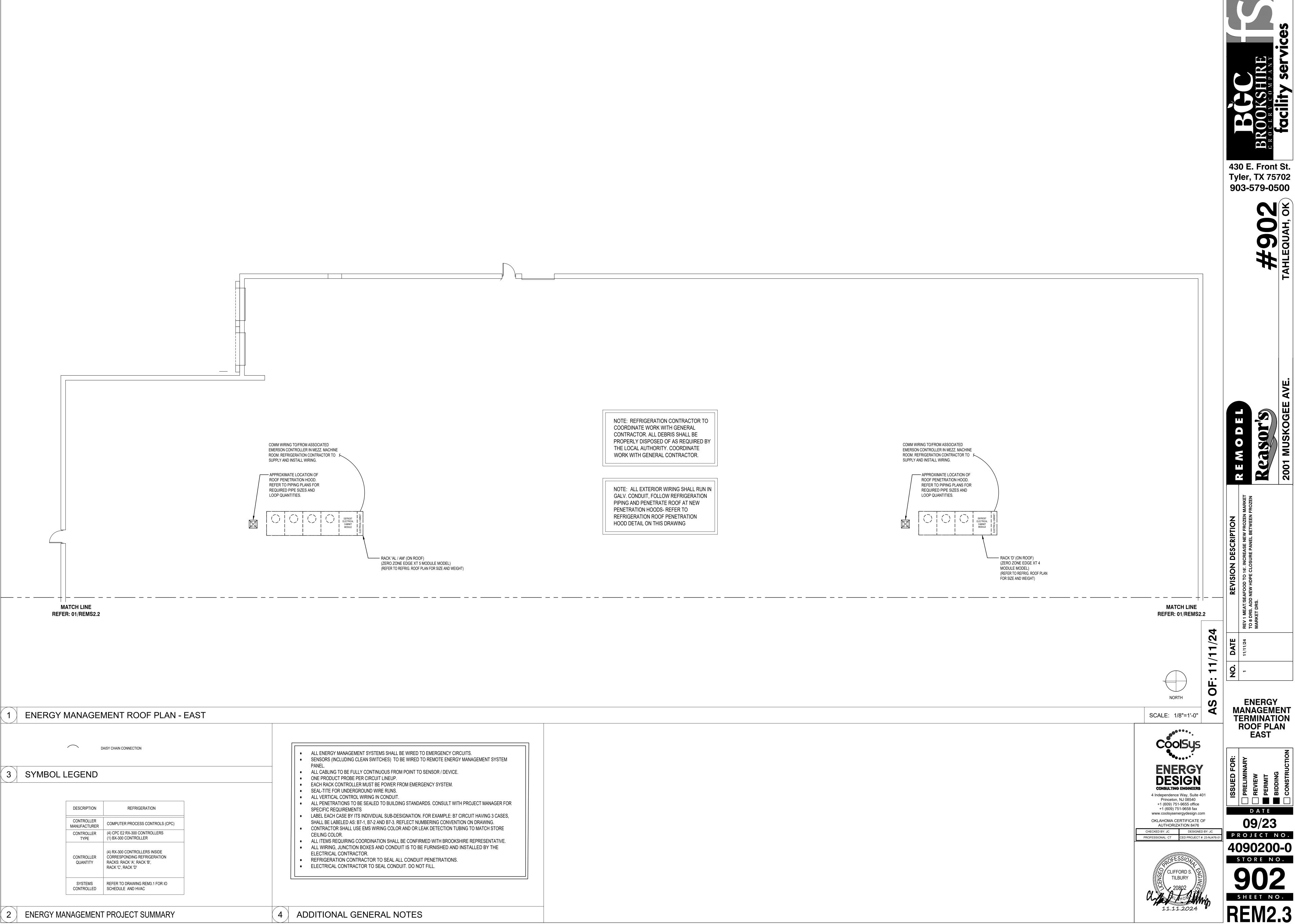
DRAWING INDEX

SCALE: NONE





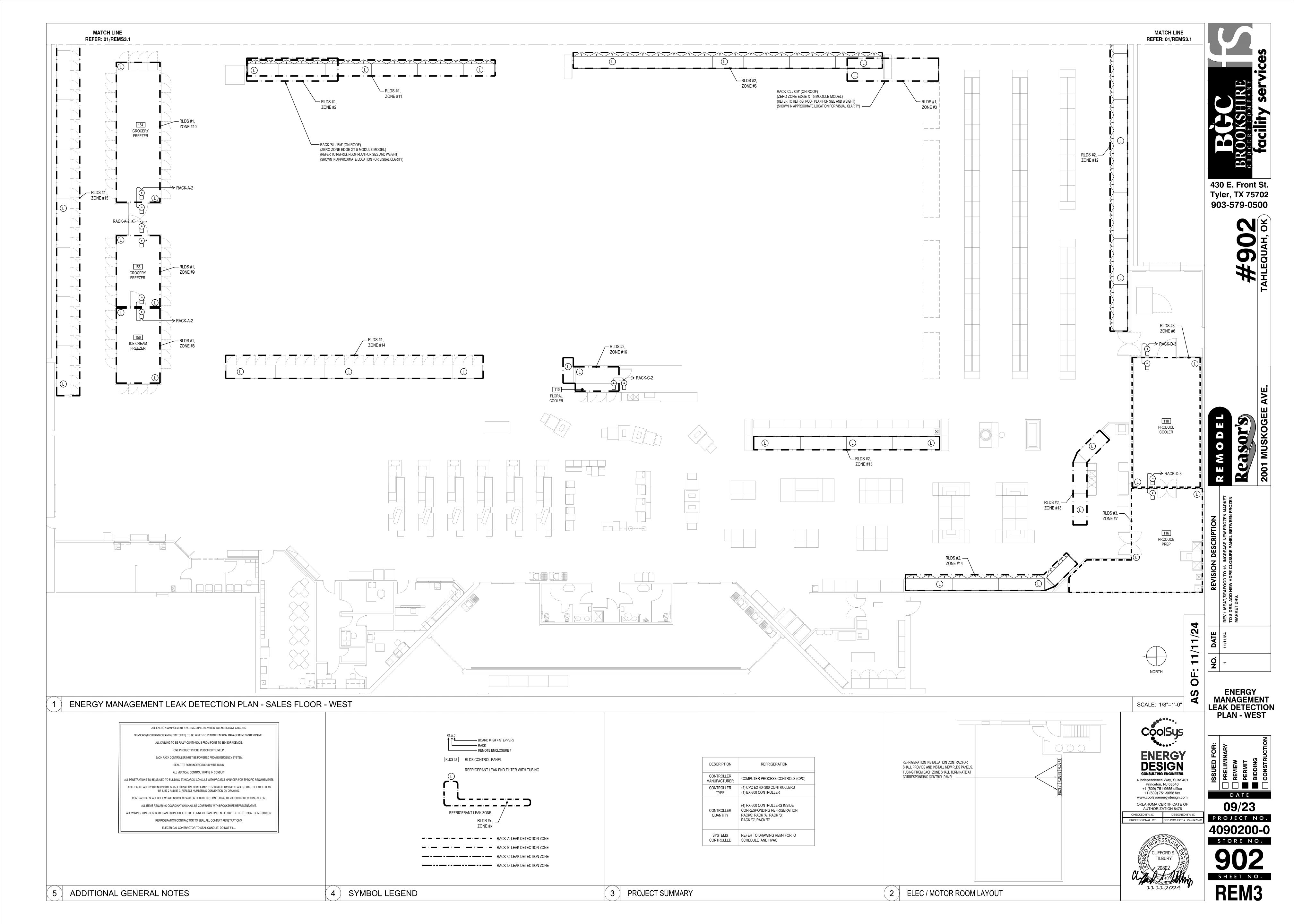


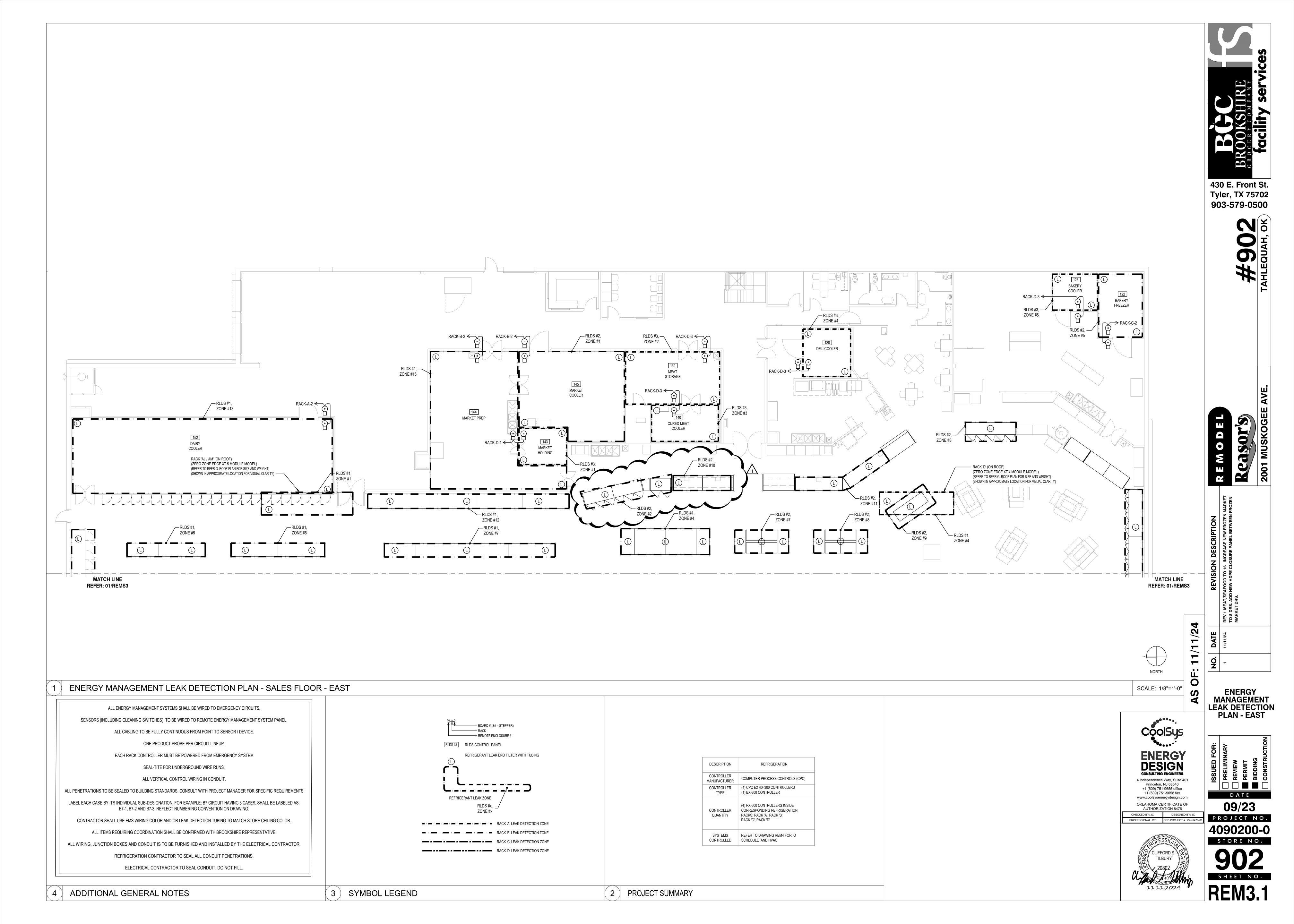


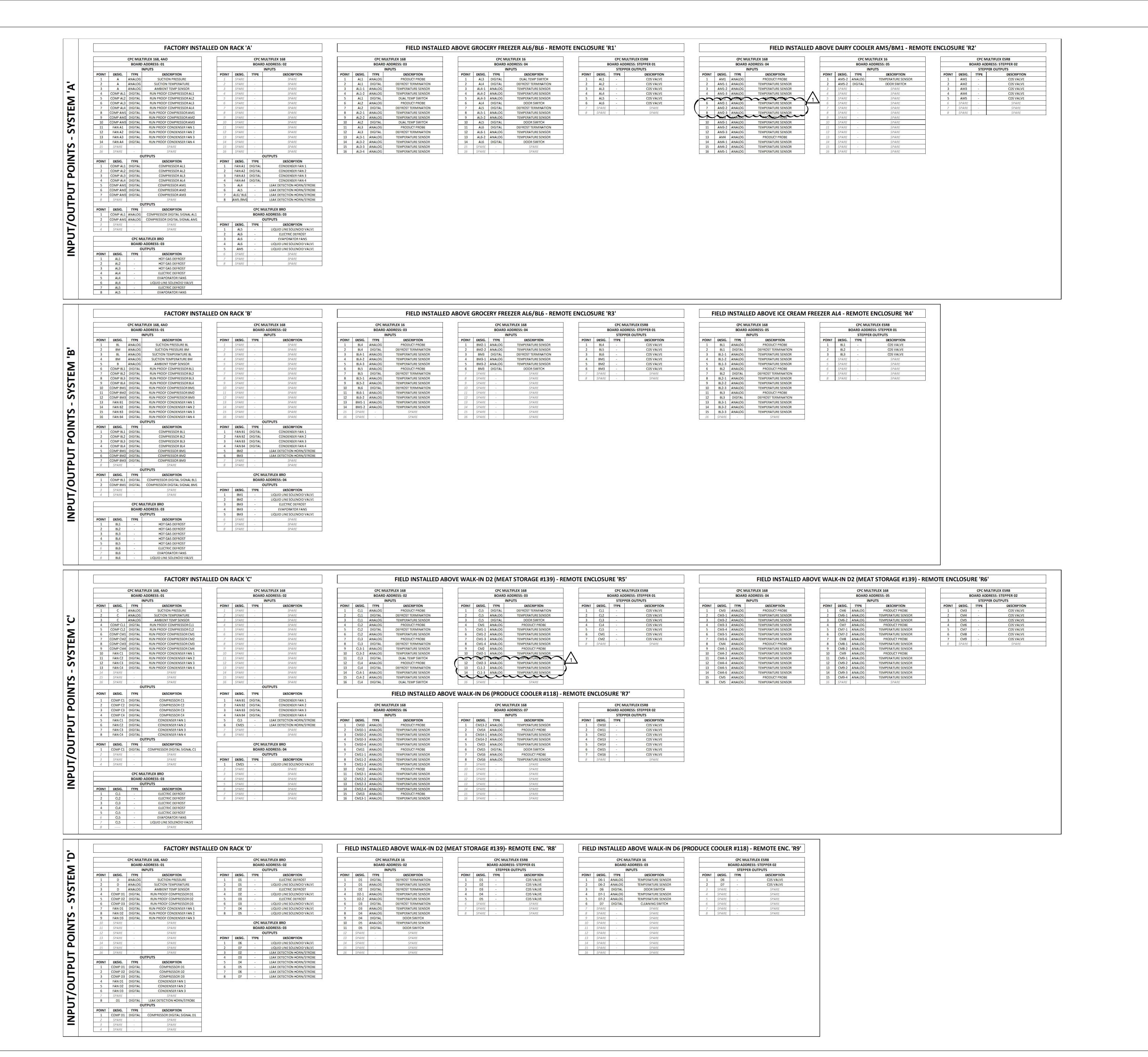
ENERGY MANAGEMENT PROJECT SUMMARY

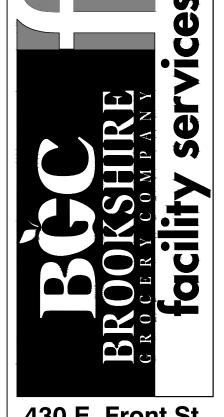
4 ADDITIONAL GENERAL NOTES

Tyler, TX 75702









430 E. Front St. Tyler, TX 75702 903-579-0500

#902 AHLEQUAH, OK

PASOL'S

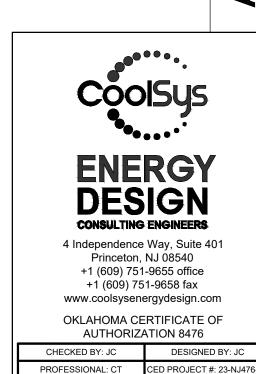
EVISION DESCRIPTION
OOD TO 16'. INCREASE NEW FROZEN MARKET
WHDPE CLOSURE PANEL BETWEEN FROZEN

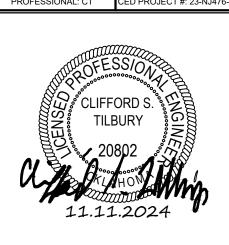
DATE
REV 1 MEAT/SEAFOOD TO
TO 8 DRS. ADD NEW HDP
MARKET DRS.

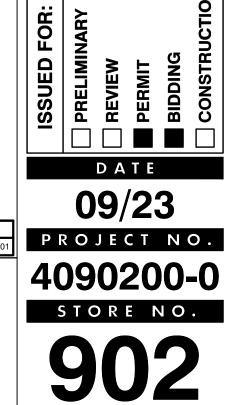
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ENERGY MANAGEMENT I/O SCHEDULES

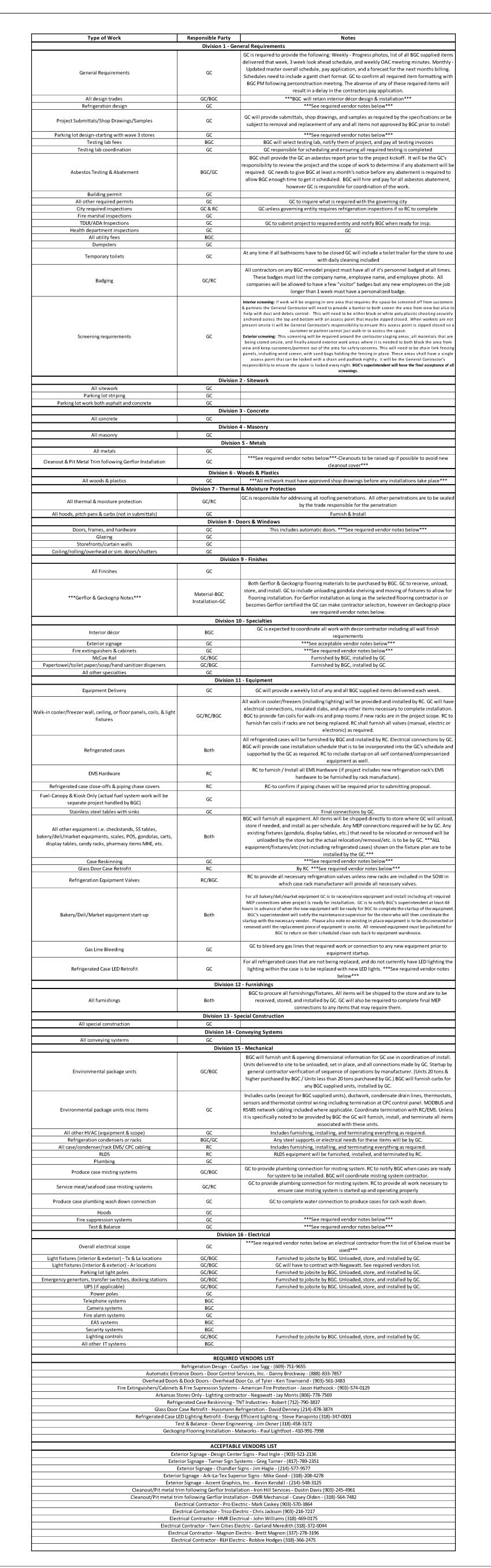


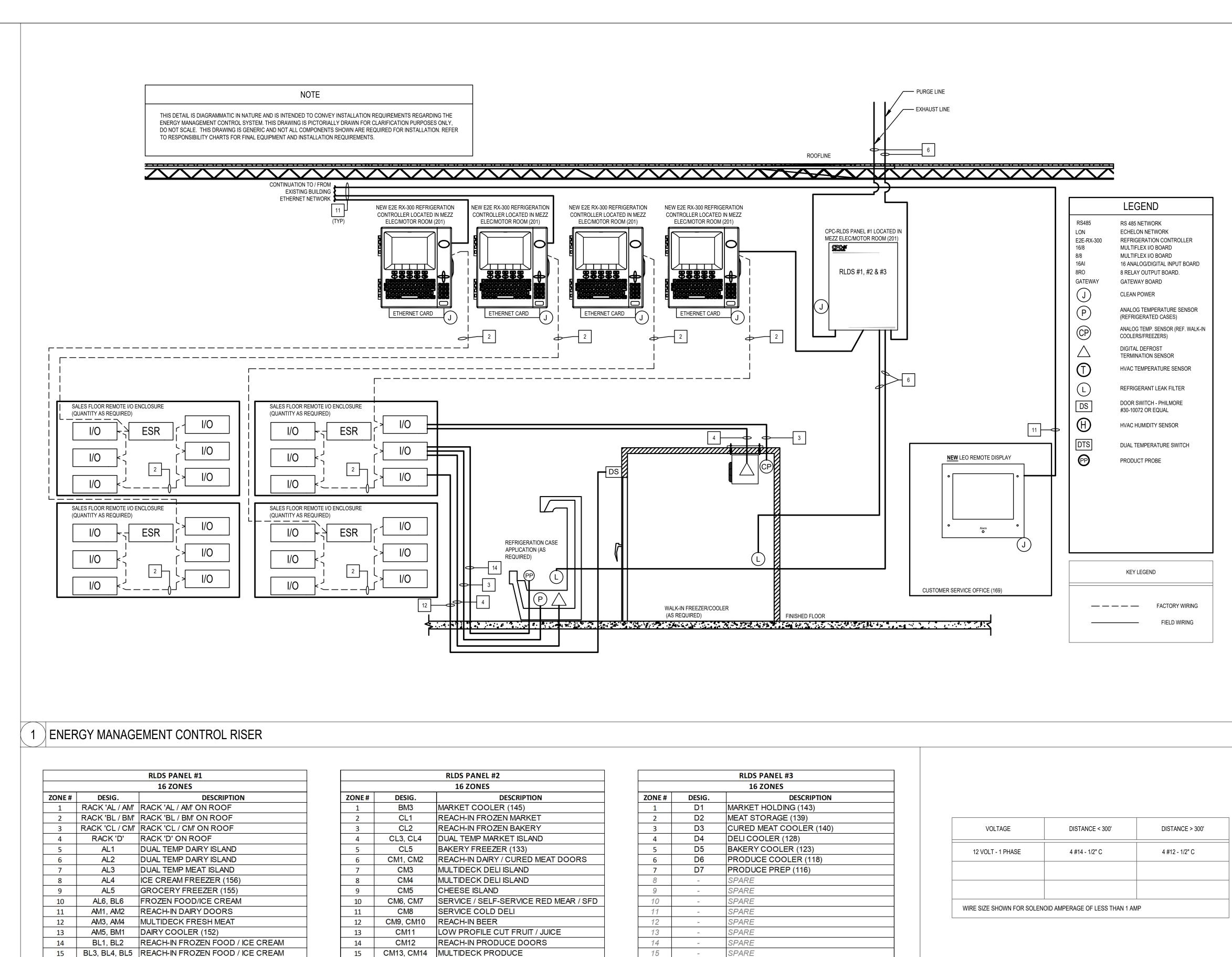




SHEET NO.

REM4





15 CM13, CM14 MULTIDECK PRODUCE 16 CM15, CM16 FLORAL COOLER / FLORAL BOUQUET CASE BM2 MARKET PREP (144)

RLDS PANEL #3				
		16 ZONES		
ZONE#	DESIG.	DESCRIPTION		
1	D1	MARKET HOLDING (143)		
2	D2	MEAT STORAGE (139)		
3	D3	CURED MEAT COOLER (140)		
4	D4	DELI COOLER (128)		
5	D5	BAKERY COOLER (123)		
6	D6	PRODUCE COOLER (118)		
7	D7	PRODUCE PREP (116)		
8	-	SPARE		
9	-	SPARE		
10	-	SPARE		
11	-	SPARE		
12	-	SPARE		
13	-	SPARE		
14	-	SPARE		
15	-	SPARE		
16	-	SPARE		

VOLTAGE	DISTANCE < 300'	DISTANCE > 300'
12 VOLT - 1 PHASE	4 #14 - 1/2" C	4 #12 - 1/2" C

4 CDS VALVE WIRE SCHEDULE

5 LEAK DETECTION BOARD SCHEDULE

		T	_		,
SYMBOL	DESCRIPTION	WIRE TYPE	SYMBOL	DESCRIPTION	WIRE TYPE
1	LONWORK NETWORK	1 PAIR, PLENUM, PART NUMBER 135-2301	10	PRODUCT PROBE	BELDEN #8761 #22-2 SHIELDED CABLE
2	RS-485 NETWORK	BELDEN #8761 #22-2 SHIELDED CABLE WITH DRAIN / GROUND WIRE	11	ETHERNET	CAT5 OR CAT5E CABLE
3	ANALOG TEMPERATURE SENSOR:	BELDEN #8761 #22-2 SHIELDED CABLE WITH DRAIN / GROUND WIRE	12	DOOR SWITCH WIRING	BELDEN #8761 #22-2 SHIELDED CABLE WITH DRAIN / GROUND WIRE
4	DEFROST TERMINATION SENSOR HEAT LIMIT THERMOSTAT	BELDEN #8761 #22-2 SHIELDED CABLE WITH DRAIN / GROUND WIRE	13	AUDIO / VISUAL ALARM DEVICE	2-#12 TWISTED PAIR PER HORN / STROBE COMBINATION
5	RELATIVE HUMIDITY SENSOR:	BELDEN #8771 #22-3 SHIELDED CABLE WITH DRAIN / GROUND WIRE	14	DUAL TEMP SWITCH	2-#14 TWISTED PAIR PER SWITCH
6	REFRIGERANT LEAK DETECTION:	PARKER HANNIFIN PARFLEX #1 FRPE4-1000 (TUBING)	15	PRODUCT PROBE	2-#12 TWISTED PAIR PER PROBE
7	REMOTE ANNUNCIATOR PANEL	#14 TWISTED PAIR	16	ELECTRIC DEFROST CONTACTOR	2-#12 TWISTED PAIR PER CONTACTOR
8	RLDS / GATEWAY COMMUNICATION	BELDEN #8641 #24-2 SHIELDED CABLE	17	MANUAL TIMER	2-#14 TWISTED PAIR PER SWITCH
9	LIQUID LINE SOLENOID VALVE	2-#12 TWISTED PAIR PER VALVE SOLENOID			

NOTES: 1. PLENUM RATED CABLE MUST BE USED IN PLENUMS AS REQUIRED BY GOVERNING CODES. REFER TO BELDEN CATALOG

TO CROSS REFERENCE PLENUM RATED CABLES FOR THE CABLES LISTED ABOVE.



ENERGY MANAGEMENT CONTROL RISER **DIAGRAMS**

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430 E. Front St.

DATE 09/23 PROJECT NO. 4090200-0 STORE NO. SHEET NO.

3 ENERGY MANAGEMENT CONTROL RISER - WIRING TYPE KEY

MPRESSORS FOR DX PARALLEL SYSTEMS WITH DIGITAL CAPACITY

I. NOMENCLATURE:

PSUCTION MASTER SYSTEM SUCTION HEADER PRESSURE (PSIG) PTARGET TARGET SUCTION HEADER PRESSURE (PSIG)

II. DESCRIPTION

THE DIRECT EXPANSION SYSTEM HAS A COMBINATION OF FIXED-CAPACITY COMPRESSORS, PIPED IN PARALLEL, WITH ONE PULSE-WIDTH MODULATED DIGITAL COMPRESSOR MODULE. THE PULSE-WIDTH MODULATED DIGITAL MODULE IS BASE LOADED, WHILE

THE REMAINING MODULES STAGE ON AND OFF AT FIXED-SPEEDS. III. CONTROL PARAMETER(S)

THE CONTROL POINT FOR STAGING / DIGITAL COMPRESSOR CAPACITY IS THE MASTER SUCTION HEADER PRESSURE.

IV. CONTROL LIMITS

TARGET: 9.61PSI CUT IN: 8.46PSI CUT OUT: 10.81PSI

TARGET: 6.29PSI CUT IN: 5.26PSI CUT OUT: 7.35PSI

SYSTEM 'CS' TARGET: 48.38PSI CUT IN: 45.96PSI CUT OUT: 50.87PSI

TARGET: 39.12PSI CUT IN: 36.98PSI CUT OUT: 41.33PSI

THE MINIMUM DIGITAL COMPRESSOR SPEED IS 10%. THE MAXIMUM

V. GENERAL SEQUENCE

THE PULSE-WIDTH MODULATED DIGITAL COMPRESSOR OPERATES AS A LEAD STEP AND STAGES ON FIRST. THE FIXED-SPEED COMPRESSORS STAGE ON AND OFF ACCORDING TO LOAD REQUIREMENTS TO KEEP THE SUCTION PRESSURE WITHIN THE CONTROL LIMITS. THE PULSE-WIDTH MODULATED DIGITAL MODULE HAS ITS CAPACITY MODULATED WITH PID CONTROL TO MAINTAIN THE MASTER SUCTION PRESSURE AT TARGET PRESSURE.

VI. SEQUENCE FOR UPPER CONTROL LIMIT BREACH

BEFORE CYCLING ON AN ADDITIONAL COMPRESSOR, ALL OF THE FOLLOWING CRITERIA MUST BE MET: THE PULSE-WIDTH MODULATED DIGITAL COMPRESSOR IS AT MAXIMUM CAPACITY: THE CONTROL LIMITS HAVE BEEN BREACHED FOR A TIME GREATER THAN 60 SECONDS: THE CONTROL POINT PSUCTION IS NOT APPROACHING PSUCTION.

VII. SEQUENCE FOR LOWER CONTROL LIMIT BREACH

BEFORE CYCLING OFF A COMPRESSOR, ALL OF THE FOLLOWING CRITERIA MUST BE MET: THE PULSE-WIDTH MODULATED DIGITAL MODULE IS AT MINIMUM CAPACITY: THE CONTROL LIMITS HAVE BEEN BREACHED FOR A TIME GREATER THAN 60 SECONDS: THE CONTROL POINT PSUCTION IS NOT APPROACHING PSUCTION. THE PULSE-WIDTH MODULATED DIGITAL COMPRESSOR WILL STAGE OFF LAST IF THE SUCTION PRESSURE DROPS TO 15 PSIG BELOW PTARGET FOR 30

AIR-COOLED CONDENSER (100% OPERATION) FOR PARALLEL DX RACK:

I. NOMENCLATURE:

FAILURE DETECTION & DIAGNOSTICS PDROPLEG CONDENSER DROP LEG PRESSURE (PSIG) PMINHEAD MINIMUM HEAD PRESSURE (PSIG) SATURATED CONDENSING TEMPERATURE (°F) TAMBIENT AMBIENT TEMPERATURE (°F) TEMPERATURE DIFFERENCE (°F' TDROPLEG CONDENSER DROP LEG TEMPERATURE (°F)

II. DESCRIPTION

THE AIR-COOLED CONDENSER SHALL BE EQUIPPED WITH A VARIABLE SPEED DRIVE FOR FANS AND CONTROLLED ON A TD STRATEGY. EACH DROP LEG WILL BE EQUIPPED WITH A TEMPERATURE PROBE, PRESSURE TRANSDUCER, ELECTRONIC HOLDBACK VALVE AND ISOLATION/CHECK VALVES. WHERE VARIABLE FREQUENCY DRIVES (VFDS) ARE USED FOR CAPACITY CONTROL, THE FAN MOTORS SHALL BE INVERTER-SPIKE RESISTANT OR INVERTER DUTY. THE MINIMUM FAN SPEED SHALL PRODUCE ENOUGH AIR FLOW TO ADEQUATELY COOL THE FAN MOTOR.

III. CONTROL PARAMETER(S)

THE INPUTS REQUIRED TO CONTROL THE CONDENSER FAN CAPACITY INCLUDE DROP LEG PRESSURE, DROP LEG TEMPERATURE AMBIENT TEMPERATURE, DESIGN TEMPERATURE DIFFERENCE OF THE CONDENSER AND MINIMUM ALLOWABLE HEAD PRESSURES FROM THE COMPRESSOR MANUFACTURER.

IV. CONTROL LIMITS

THE LOWER CONTROL LIMIT FOR CONDENSING PRESSURE MAY BE ESTABLISHED AT PMINHEAD. THE UPPER CONTROL LIMIT FOR CONDENSING PRESSURE MAY BE ESTABLISHED AT 10°F ABOVE DESIGN SCT. THE CONTROL LIMITS FOR ACCEPTABLE TD OPERATION MAY BE ESTABLISHED AT ± 1°F FROM DESIGN TD. THE CONTROL LIMITS MAY BE ADJUSTED AS FIELD EXPERIENCE WARRANTS. THE MINIMUM AND MAXIMUM CONDENSER FAN SPEEDS SHALL BE DICTATED BY THE CONDENSER MANUFACTURER.

V. GENERAL SEQUENCE

THE SCT SHALL BE DETERMINED BY CONVERTING THE PRESSURE

READING FROM THE DROP LEG PRESSURE TRANSDUCER INTO A SATURATED TEMPERATURE. THE FAN CAPACITY SHALL MODULATE TO MAINTAIN THE DESIGN TO BETWEEN AMBIENT AND SCT AS LONG AS THE CONDENSING PRESSURE IS ABOVE PMINHEAD. ONCE THE SCT EQUIVALENT PRESSURE HAS REACHED PMINHEAD. THE FAN CAPACITY (SPEED) SHALL BE MODULATED SUCH THAT THE CONDENSING PRESSURE REMAINS AT PMINHEAD. THE CONDENSER FAN SPEEDS SHALL RAMP TOGETHER FROM MINIMUM TO MAXIMUM CAPACITY TO MAINTAIN THE CONDENSING PRESSURE WITHIN CONTROL LIMITS. THE MINIMUM CONDENSING PRESSURE (PMINHEAD) MAY BE SET LOWER THAN THE COMPRESSOR MANUFACTURER'S MINIMUM ALLOWABLE HEAD PRESSURE BY AN AMOUNT EQUAL TO THE EXPECTED PRESSURE DROP THROUGH THE CONDENSER. THE HOLDBACK VALVE(S) SHALL BE DISABLED IN 100% OPERATION (I.E. THE HOLDBACK VALVE IS WIDE OPEN). ONCE THE CONDENSING PRESSURE HAS REACHED PMINHEAD, AND THE VARIABLE FAN CAPACITY IS MODULATING, THEN THE DESIGN TD MAY BE EXCEEDED TO PREVENT LOW HEAD PRESSURES AND THE HIGH-TD FDD ROUTINE SHALL BE SUPPRESSED.

VI. SEQUENCE FOR UPPER CONTROL LIMIT BREACH

IF THE TD IS ABOVE DESIGN. THEN FAN CAPACITY SHALL BE INCREASED UNTIL THE TD IS WITHIN CONTROL LIMITS. IF THE SCT EQUIVALENT PRESSURE IS ABOVE PMINHEAD AND THE CONDENSER TD (SCT - TAMBIENT) EXCEEDS DESIGN FOR MORE THAN ONE HOUR, THEN A HIGH-TD FDD ROUTINE SHALL BE INITIATED. IF THE SCT EQUIVALENT PRESSURE IS AT PMINHEAD THEN THE HIGH-TD FDD ROUTINE SHALL BE SUPPRESSED. IF THE SCT EQUIVALENT PRESSURE IS MORE THAN 10°F ABOVE DESIGN SCT FOR MORE THAN 1 HOUR, THEN A HIGH-SCT FDD ROUTINE SHALL BE INITIATED.

VII. SEQUENCE FOR LOWER CONTROL LIMIT BREACH

IF THE SCT EQUIVALENT PRESSURE DROPS BELOW PMINHEAD THEN THE FAN CAPACITY SHALL BE DECREASED TO BRING THE CONDENSING PRESSURE WITHIN CONTROL LIMITS. IF THE TD IS MORE THAN 1°F BELOW DESIGN TD, THEN THE FAN CAPACITY SHALL BE DECREASED TO BRING THE TD WITHIN CONTROL LIMITS. IF THE SCT EQUIVALENT PRESSURE IS AT OR BELOW PMINHEAD AND THE CONDENSER FANS HAVE BEEN RUNNING AT MINIMUM CAPACITY FOR TWO MINUTES AND AT LEAST ONE COMPRESSOR IS RUNNING, THEN THE 50% SPLITTING CONTROL SHALL BE ENABLED.

VIII. HARDWARE RESOLUTION THE TEMPERATURE PROBES SHALL HAVE A RESOLUTION OF ± 1°F.

THE PRESSURE TRANSDUCERS SHALL HAVE A RESOLUTION OF ± 2 PSI. IX. FLOATING SETPOINT

NOT APPLICABLE.

DX CIRCUIT / CASE / EVAPORATOR CONTROL BY TASK EEPR CONTROL:

NOMENCLATURE:

DAT DISCHARGE AIR TEMPERATURE (°F) DATRC DISCHARGE AIR TEMPERATURE RATE OF CHANGE ELECTRIC EVAPORATOR PRESSURE REGULATOR FAILURE DETECTION AND DIAGNOSTICS

LIQUID LINE SOLENOID VALVE PID PROPORTIONAL INTEGRAL DERIVATIVE SATURATED SUCTION TEMPERATURE (°F)

II. DESCRIPTION

THE EEPR WILL MODULATE OPEN AND CLOSED TO CONTROL THE

MASS FLOW OF SUCTION VAPOR TO THE RACK HEADER AND THEREBY AFFECT THE SST UPSTREAM IN THE CIRCUIT. BY CHANGING THE SST IN THE EVAPORATOR, THE EEPR WILL CHANGE THE DAT.

SIGNATURE VALVE POSITION

III. CONTROL PARAMETERS THE EEPR VALVE WILL BE CONTROLLED BY RESPONDING TO

CHANGES IN DAT. IF MORE THAN ONE EVAPORATOR IS CONTROLLED BY THE EEPR, THEN THE DAT OF THE WARMEST EVAPORATOR SHALL BE THE CONTROL POINT.

IV. CONTROL LIMITS

DAT LIMITS ARE SPECIFIED BY APPLICATION (SEE DETAIL #1 OF THIS DRAWING).

V. GENERAL SEQUENCE

IF THE DAT RISES ABOVE SET POINT THE EEPR WILL MODULATE OPEN THEREBY REDUCING THE SST OF THE EVAPORATOR COIL(S). IF THE DAT FALLS BELOW THE SET POINT THE EEPR WILL MODULATE CLOSED THEREBY RAISING THE SST OF THE EVAPORATOR COIL(S). PID OR A SIMILAR CONTROL ALGORITHM WILL BE USED TO REDUCE HUNTING AND BRING THE DAT TO MATCH SETPOINT. THE CONTROL SHOULD BE CAPABLE OF CONTROLLING THE DAT WITHIN THE LIMITS SHOWN ON DETAIL #1 OF THIS DRAWING, EXCLUDING DEFROST AND FOR 60 MINUTES AFTER DEFROST (DURING THE PULL DOWN PERIOD).

VI. SEQUENCE FOR UPPER CONTROL LIMIT BREACH IF DAT IS ABOVE ALLOWABLE UPPER LIMIT FOR 60 MINUTES THEN A

HIGH TEMPERATURE FDD ROUTINE WILL BE ENABLED. VII. SEQUENCE FOR LOWER CONTROL LIMIT BREACH

IF DAT IS BELOW THE ALLOWABLE LOWER LIMIT FOR 90 MINUTES THEN A LOW TEMPERATURE FDD ROUTINE WILL BE ENABLED.

TEMPERATURE SENSORS SHALL HAVE A MINIMUM RESOLUTION OF

IX. FLOATING SETPOINT NOT APPLICABLE.

VIII. HARDWARE RESOLUTION

X. DEFROST SEQUENCE

THE EEPR SHALL CLOSE DURING DEFROST. WHEN CLOSING THE EEPR FOR DEFROST THE VALVE SHALL BE MODULATED CLOSED THE NUMBER OF STEPS EQUAL TO THE FULL STROKE OF THE VALVE PLUS 5% OVERDRIVE TO ENSURE THAT THE VALVE IS COMPLETELY CLOSED. THIS WILL ACCOUNT FOR LOST VALVE STEPS DURING NORMAL OPERATION.

UPON DEFROST TERMINATION AND AFTER DRIP TIME EXPIRATION. THE EEPR WILL INITIALLY MOVE TO THE 10% OPEN POSITION AND MONITOR DATRC. WHEN MULTIPLE FIXTURES ARE CONNECTED TO

ONE CIRCUIT, THE FIXTURE WITH THE LOWEST DATRC WILL BE THE CONTROL POINT. IF DATRC DROPS 'X"F OR MORE IN 1 MINUTE THEN HOLD POSITION AT 10% OPEN. IF DATRC DROPS LESS THAN 'X"F IN 1 MINUTE THEN OPEN EEPR AN ADDITIONAL 10%. ('X'°F WILL BE A USER DEFINED PARAMETER AND DEFAULT WILL BE 3°F) DATRC WILL BE TESTED EVERY MINUTE TO DETERMINE IF EEPR NEEDS TO BE OPENED. 15 MINUTES AFTER DEFROST TERMINATION EEPR WILL EXIT DEFROST LIMITING STRATEGY AND RETURN TO THE GENERAL SEQUENCE CONTROL ABOVE.

XI. SIGNATURE VALVE POSITION (SVP)

THE EEPR CONTROLLER WILL ESTABLISH A SVP. THE SVP WILL BE ESTABLISHED BY FINDING THE AVERAGE VALVE POSITION DURING A 24 HOUR PERIOD OF TIME. THE SVP WILL BE UPDATED ONCE EVERY 24 HOURS.

XII. EEPR CONTROL

OPTIONAL CONTROL SEQUENCE FOR PRESSURE CONTROL: FOR SOME APPLICATIONS IT MAY BE NECESSARY TO CONTROL AN EEPR ON PRESSURE RATHER THAN DAT. (FOR EXAMPLE, GRAVITY EVAPORATOR COILS) IN THOSE SITUATIONS, THE EEPR WILL SIMPLY MODULATE TO THE KEEP THE PRESSURE FROM FALLING BELOW THE PRESSURE SETPOINT THAT CORRESPONDS TO THE DESIRED SST.

I. NOMENCLATURE:

DEFROST DURATION TIME EEPR ELECTRIC EVAPORATOR PRESSURE REGULATOR MDDT MAXIMUM DEFROST DURATION TIME SVP SIGNATURE VALVE POSITION TEVAP SURFACE TEMPERATURE OF EVAPORATOR COIL (°F)

TTERM DEFROST TERMINATION TEMPERATURE (°F)

OFF-TIME METHODS. A REAL TIME CLOCK WILL BE NECESSARY FOR THE

II. DESCRIPTION DEFROST WILL BE THROUGH EITHER ELECTRIC HEATERS OR

DEFROST ROUTINES TO OCCUR AT THE SCHEDULED TIMES.

III. CONTROL PARAMETERS DEFROST ROUTINE WILL BE INITIATED ON TIME ACCORDING TO THE DEFROST SCHEDULE AND TERMINATED ON TEVAP OR DDT.

IV. CONTROL LIMITS

V. GENERAL SEQUENCE

DEFROST INTERVAL (SEE DETAIL #1 OF THIS DRAWING FOR INTERVALS), TTERM AND MDDT WILL BE DEFINED BY EVAPORATOR/CASE MODEL NUMBER AND ARE ALSO LISTED IN DETAIL #1 OF THIS DRAWING.

SIMULTANEOUS CIRCUIT DEFROSTING WILL BE LIMITED TO NO MORE THAN 25% OF THE TOTAL REFRIGERATION RACK LOAD OR A MAXIMUM COMBINATION OF DEFROST HEATER AMPERAGES THAT ARE LESS THAN THE SUM OF THE 2 CIRCUITS WITH THE LARGEST HEATER AMPERAGES. A REAL TIME CLOCK WILL BE USED TO COORDINATE DEFROST TIMES. DEFROST OF THE EVAPORATOR(S) WILL BE INITIATED BASED ON DEFROST ROUTINES LISTED BELOW. WHEN A DECISION TO INITIATE DEFROSTING OF A CIRCUIT HAS BEEN MADE, THEN THAT CIRCUIT WILL BE PLACED INTO A DEFROST QUEUE. THE CONTROLLER WILL MANAGE THE DEFROST REQUESTS. SUCH THAT NO MORE THAN 25% OF THE RACK LOAD WILL BE IN DEFROST AT ONE TIME. WHEN TEVAP IS EQUAL TO OR GREATER THAN TTERM FOR ALL EVAPORATORS IN THAT CIRCUIT, THE DEFROST ROUTINE WILL END. IF DDT EQUALS

EEV OF THE CIRCUIT IN DEFROST WILL CLOSE. IF THE EVAPORATOR HAS FI FCTRIC DEFROST THE HEATERS WILL TURN ON. WHEN THE DEFROST ROUTINE ENDS, A SPECIFIED DRIP TIME (SEE DETAIL #1 OF THIS DRAWING) WILL ELAPSE BEFORE THE EEPR, LLSV AND EEV OPEN.

MDDT THEN THE DEFROST ROUTINE WILL END.

VI. SEQUENCE FOR UPPER CONTROL LIMIT BREACH

DEFROST FDD ROUTINE WILL BE INITIATED. VII. HARDWARE RESOLUTION

IF DEFROST TERMINATES ON MDDT RATHER THAN TTERM THEN A

TEMPERATURE SENSORS WILL HAVE A MINIMUM RESOLUTION OF

WHEN THE DEFROST ROUTINE IS INITIATED THE EEPR, LLSV AND

±1°F. TIME WILL BE KEPT WITH A REAL TIME CLOCK AND BE THE SAME FOR ALL CIRCUITS ON A RACK. VIII. DEFROST DELAY AFTER POWER FAILURE

IN THE EVENT OF A PROLONGED POWER FAILURE (LONGER THAN 60 MINUTES), NO CASES SHALL BE DEFROSTED FOR 60 MINUTES AFTER START UP. A POWER FAILURE AT THE RACK LEVEL WILL BE DETECTED BY A COMBINATION OF PHASE LOSS AND LOSS OF ALL COMPRESSOR RUN PROOFS WHILE A CALL FOR THE COMPRESSORS EXISTS. DEFROSTS SCHEDULED IN THIS 1 HOUR PERIOD WILL BE SKIPPED AND DEFROST SCHEDULE WILL RETURN TO NORMAL AFTER THIS PERIOD. (THIS IS TO ALLOW LIQUID THAT HAS MIGRATED TO THE EVAPORATORS TO BE CLEARED BEFORE DEFROST HEATERS ARE TURNED ON AND PREVENTS DAMAGING PRODUCT DUE TO HIGH TEMPERATURE CAUSED BY UNNECESSARY DEFROST.)

IX. FLOATING SETPOINT

NOT APPLICABLE.

X. DEFROST INITIATION ROUTINES (2 ALTERNATIVES).

1. THE CONVENTIONAL DEFROST ROUTINE IS TO INITIATE A DEFROST BASED SOLELY ON TIME. THE EVAPORATORS IN A CIRCUIT WILL BE

DEFROST THE EVAPORATORS. A COMPARISON OF THE TEMPERATURE DIFFERENCE FROM THE DAT TO THE SST OF THE EVAPORATOR COIL VERSUS THE TEMPERATURE DIFFERENCE VALUE (SEE DETAIL #1 OF THIS DRAWING) WHERE DEFROSTING IS NECESSARY. EVERY CIRCUIT WILL BE CHECKED FOR DEFROST NEED EVERY 5 MINUTES. IF NEED EXISTS, THEN A REQUEST TO DEFROST THE CIRCUIT WILL BE PLACED IN THE QUEUE. IF TSH FOR ANY EVAPORATOR IN A CIRCUIT IS ABOVE THE UPPER CONTROL LIMIT, THE DEFROST WILL BE INITIATED ON TIME AS SCHEDULED

EVAPORATOR FANS FOR CASES

I. NOMENCLATURE:

II. DESCRIPTION

ALL LOW TEMPERATURE CASES WILL BE EQUIPPED WITH A THERMOSTAT FOR FAN CONTROL. THE OEM CHOOSES THE BEST THERMOSTAT SETTING FOR THEIR EQUIPMENT TO AVOID WARMING THE PRODUCT AND CAUSING MOISTURE TO REFREEZE ON THE PRODUCT AND IN THE AIR PLENUM. MEDIUM TEMPERATURE CASES WILL NOT HAVE

III. CONTROL PARAMETERS

FOR LOW TEMPERATURE EVAPORATORS, THE FANS WILL CYCLE ON AND OFF BASED ON THE OEM INSTALLED THERMOSTAT.

IV. CONTROL LIMITS

NOT APPLICABLE.

V. GENERAL SEQUENCE FOR MEDIUM TEMPERATURE EVAPORATORS THE FANS WILL RUN CONTINUOUSLY. THE LOW TEMPERATURE EVAPORATOR FANS WILL CYCLE OFF WHEN THE COIL SURFACE TEMPERATURE EXCEEDS THE SETTING ON FOR THE THERMOSTAT. THE LOW TEMPERATURE

VI. SEQUENCE FOR UPPER CONTROL LIMIT BREACH

VII. SEQUENCE FOR LOWER CONTROL LIMIT BREACH

NOT APPLICABLE.

VIII. HARDWARE RESOLUTION

MINIMUM TOLERANCE OF ±7.5°F FROM SET POINT.

NOT APPLICABLE.

I. NOMENCLATURE:

TEVAP SURFACE TEMPERATURE OF EVAPORATOR COIL (°F) II. DESCRIPTION

III. CONTROL PARAMETERS

INITIATION. THESE FANS WILL CYCLE ON BASED ON TEVAP. 115V MEDIUM TEMPERATURE EVAPORATOR FANS ARE NOT CONTROLLED.

V. GENERAL SEQUENCE

NOT APPLICABLE.

SURFACE PRIOR TO THE FANS STARTING.

TEMPERATURE SENSORS WILL HAVE A MINIMUM RESOLUTION OF

IX. FLOATING SETPOINT NOT APPLICABLE.

DEFROSTED WHEN THE REAL TIME IS THE SAME AS THE SCHEDULED DEFROST TIME. 2. THE NEED BASED DEFROST ROUTINE WILL CHECK FOR THE NEED TO

RATHER THAN NEED.

LLSV LIQUID LINE SOLENOID VALVE

EVAPORATOR FANS WILL CYCLE ON WHEN THE COIL SURFACE TEMPERATURE IS BELOW THE SETTING ON FOR THE THERMOSTAT.

NOT APPLICABLE.

OEM INSTALLED THERMOSTAT TO OPEN AND CLOSE WITH A

IX. FLOATING SETPOINT

EVAPORATOR FANS FOR WALK-IN BOXES

ALL EVAPORATORS WILL BE EQUIPPED WITH A COIL SURFACE

FEMPERATURE SENSOR USED FOR DEFROST TERMINATION AND FAN

FOR 208V MEDIUM TEMPERATURE EVAPORATORS AND ALL LOW FEMPERATURE EVAPORATORS THE FANS WILL CYCLE OFF ON DEFROST

IV. CONTROL LIMITS

NOT APPLICABLE.

FOR 115V MEDIUM TEMPERATURE EVAPORATORS, THE FANS WILL RUN CONTINUOUSLY. 208V MEDIUM TEMPERATURE EVAPORATOR FANS AND LOW TEMPERATURE FANS WILL RUN CONTINUOUSLY AT ALL TIMES EXCEPT DURING DEFROST AND A SPECIFIED DRIP TIME (SEE TABLE 'X' IN APPENDIX). ONCE DEFROST AND DRIP TIME HAS ELAPSED, THE 208V MEDIUM TEMPERATURE FANS WILL COME ON AND THE LOW TEMPERATURE FANS WILL DELAY COMING ON UNTIL TEVAP HAS REACHED 10°F. THE EXTRA DELAY WILL AVOID BLOWING WARM AIR INTO THE CASE AND ALLOW REMAINING MOISTURE TO FREEZE TO THE COIL

VI. SEQUENCE FOR UPPER CONTROL LIMIT BREACH

VII. SEQUENCE FOR LOWER CONTROL LIMIT BREACH

VIII. HARDWARE RESOLUTION

DEFROST AND SET POINT CONTROL SCHEDULE

BROOKSHIRE'S #902 TAHLEQUAH, OKLAHOMA (AS OF JANUARY 9, 2023) WALK-IN BOX LEAK ALARM SCHEDULE AND CONTROL SEQUENCE OF OPERATIONS (ONLY APPLICABLE TO WALK-INS, NO SHUTDOWN REQUIRED ON CASES) **REFRIG REFRIG** MUMIXAM SYSTEM SYSTEM SAFETY PROB-ROOM CIRC. **LEAK** REFRIG. ALLOWABLE CHARGE LxWxH APPLICATION GROUP ABILITY (CU. FT.) DESIG. (PEL) (PPM) NUMBER ZONE (LBS) (LBS) HIGH/LOW HIGH GROCERY FREEZER (155 450.0 AL6/BL6 36.3' x 11.3' x 1 GROCERY FREEZER (154 448A HIGH 450.0 HIGH DAIRY COOLER (152) 450.0 448A 32' x 15' x 10 HIGH MARKET PREP (144) 450.0 HIGH 450.0 MARKET COOLER (145) HIGH BAKERY FREEZER (133 NOTE #1 A1 450.0 448A 16.3' x 11.3' x NOTE #1 11.3' x 6.3' x 8' LORAL COOLER W/ DOORS (11) A1 HIGH 450.0 448A 375.0 MARKET HOLDING (143) NOTE #1 HIGH 12.3' x 9.3' x 10 448A 18.3 24.6' x 13.6' x 1 MEAT STORAGE (139) 448A HIGH 53.5 375.0 CURED MEAT COOLER (140 HIGH '.3' x 9.3' x 1 448A 375.0 HIGH DELI COOLER (128) 448A 375.0 2.3' x 12.3' x HIGH 1.7' x 9.3' x 1 BAKERY COOLER (12) 448A PRODUCE COOLER (118 448A A1 HIGH 110.6 17.3' x 33.3' x 13

448A

DISCHARGE AIR TEMPERATURE SETPOINTS AND DEFROST PARAMETERS REASORS #902 - TAHLEQUAH, OK (AS OF JAN 9, 2022)

-14 -12 -10 1 40 55 3 43 0.48 1.31 -14, +22 -12, +24 -10. +26 1 60 48 3 63 1.36 2.39

3 45 45 0 45 3:29 4:14 11:29

1104.1, 1104.2.2, 1104.3, 1104.4,1105.3, 2006 IFC 606.8, ASHRAE 34.

TEMPERATURE

SET POINTS

MANUFACTURER

MODEL NUMBER

TYLER - NFWX

TYLER - NFWX

(3) RUSSELL RL4E141DDA

(2) RUSSELL RL4E230EDA (2) RUSSELL RL4E230EDA

RO ZONE RVMC24

ZERO ZONE RVMC24

(2) RUSSELL RL6A235ADA

(2) RUSSELL RL4E230EDA

2) RUSSELL RL6A235ADA

3) RUSSELL RV6A218ADA

(2) RUSSELL RL6E142DDA

ERO ZONE RVLC30

ZERO ZONE RVLC30

HUSSMANN - FW, FWG

HUSSMANN - FW, FWG

ZERO ZONE RVMC24

HUSSMANN VR3-M-F-EP

JSSMANN VR3-M-F-EP

ZERO ZONE RVMC24D

ZERO ZONE RVMC24D

ZERO ZONE RVMC24

ZERO ZONE - ORMC82

ZERO ZONE - ORMC82

(1) RUSSELL RV6A106ADA

(1) RUSSELL RL6E090DDA

(2) RUSSELL RL6E105DDA

1) RUSSELL RL6E105DDA

1) RUSSELL RL6A094ADA

1) RUSSELL RL6A073ADA

) RUSSELL RV6A129ADA

(2) RUSSELL RV6A129ADA

NOTICE INDICATOR: ONLY WHEN CASE TEMPERATURE IS 5°F ABOVE SET POINT ESTABLISHED IN THIS TABLE FOR 30 MINUTES.

HIGH TEMP ALARM: ONLY WHEN CASE TEMPERATURE IS 10°F ABOVE SET POINT ESTABLISHED IN THIS TABLE FOR 120 MINUTES.

LOW TEMP ALARM: ONLY WHEN CASE TEMPERATURE IS 5°F BELOW SET POINT ESTABLISHED IN THIS TABLE FOR 120 MINUTES.

TYLER D2VL

HUSSMANN - TY4ECRC-6x12I-R

TRUCT. CONCEPTS - GMDSV12F

STRUCT. CON. - NM4855RSSV & NM7255RS\$ 31.24

STRUCT. CON. - NR4855RSSV & NR7255RSS 31.24

ZERO ZONE RVMC24

(1) RUSSELL RL4E141DDA

TYLER DHMF

YLER - N5FGA

TYLER - N5FGA

TYLER - N5FGA

TYLER - N5FGA

APPLICATION

RACK 'A' SUCTION GROUP CIRCUITS - LT

RACK 'A' SUCTION GROUP CIRCUITS - MT

RACK 'B' SUCTION GROUP CIRCUITS - LT

REACH-IN FROZEN FOOD / ICE CREAM

REACH-IN FROZEN FOOD / ICE CREAM

REACH-IN FROZEN FOOD / ICE CREAM

RACK 'B' SUCTION GROUP CIRCUITS - MT

RACK 'C' SUCTION GROUP CIRCUITS - LT

RACK 'C' SUCTION GROUP CIRCUITS - MT

FRONT SIDE OF SERVICE MARKET CASES

TOP SIDE OF SERVICE MARKET CASES

BL4 REACH-IN FROZEN FOOD / ICE CREAM

BL5 REACH-IN FROZEN FOOD / ICE CREAM

1/2 GROCERY FREEZER (154)

1/2 DAIRY COOLER (152)

MARKET COOLER (145)

L1 REACH-IN FROZEN MARKET

1/2 DUAL TEMP ISLAND

1/2 DUAL TEMP ISLAND

REACH-IN DAIRY DOORS

REACH-IN DAIRY DOORS

MULTI-DECK DAIRY WITH ENDS

MULTI-DECK DAIRY WITH ENDS

SERVICE DELIMEAT / CHEESE

111 LOW PROFILE CUT FRUIT / JUICE

M15 FLORAL COOLER W/ DOORS (110)

KKET HOLDING (143) MEAT STORAGE (139)

CURED MEAT COOLER (140)

RACK 'D' SUCTION GROUP CIRCUITS

CM12 REACH-IN PRODUCE DOORS

MULTI-DECK PRODUCE

M14 MULTI-DECK PRODUCE

M16 FLORAL BOUQUET CASE

DELI COOLER (128

BAKERY COOLER (12

PRODUCE PREP (116

PRODUCE COOLER (11)

.5 BAKERY FREEZER (13

CHEESE ISLAND

M9 REACH-IN BEER

CM10 REACH-IN BEER

REACH-IN FROZEN BAKERY

MARKET PREP (144)

NARROW ISLAND DUAL TEMP

AL4 ICE CREAM FREEZER (156)

GROCERY FREEZER (155)

REACH-IN DAIRY DOOR

MULTIDECK FRESH MEAT

MULTIDECK FRESH MEAT AM5 1/2 DAIRY COOLER (152)

L6 1/2 GROCERY FREEZER (154

NARROW ISLAND DUAL TEMP

PRODUCE PREP (116) 625 SQ. FT. NOTE #1 - REFER TO LEAK DETECTION PANEL SCHEDULES AND FLOOR PLAN FOR ZONES

REFRIGERANT LEAK CONTROL SEQUENCE OF OPERATION: WHERE THE MAXIMUM ALLOWABLE REFRIGERANT AMOUNT PER CODE FOR ANY PARTICULAR VOLUME OF REFRIGERATED ROOM SPACE HAS BEEN EXCEEDED AND IN THE EVENT OF A REFRIGERANT LEAK, THE FOLLOWING SEQUENCE SHALL COMMENCE. THE AIR-SAMPLING SENSOR (LDS) WILL TAKE AN AIR-SAMPLE FROM THE ENCLOSED ROOM. WHERE IT IS ANALYZED BY INFRARED LIGHT. THE CONTROL MODULES. WHICH ARE LOCATED IN EACH INDICATED WALK-IN. UPON REGISTERING A CONCENTRATION THAT: IS GREATER THAN ONE HALF OF THE IMMEDIATELY DANGEROUS TO LIFE OR HEALTH (IDLH) OR A MEASUREMENT CONSISTENT THEREWITH; IS THE PEL, OR A MEASUREMENT CONSISTENT THEREWITH; WHICHEVER IS LESS, SHALL ACTIVATE VISUAL AND AUDIBLE ALARMS FOR THE ZONE INDICATING THE LEAK.

1. TO ISOLATE THE REFRIGERANT FLOW IN THE CIRCUIT IN ALARM, AUTOMATICALLY CLOSE THE LLSV AND EEPR AT THE ROOM (ZONE) THAT HAS DETECTED THE REFRIGERANT LEAK.

THE VISUAL AND AUDIBLE ALARMS SHALL BE LOCATED AS FOLLOWS: 1. AT EACH ROOM ENTRANCE WITHIN THE REFRIGERATED ROOM SPACE (ZONE) - REFRIGERATION INSTALLATION CONTRACTOR SHALL PROVIDE LABEL / SIGNAGE. 2. AT EACH ENTRANCE OUTSIDE THE REFRIGERATED ROOM SPACE (ZONE).

UPON THE DETECTION OF REFRIGERANT LEVELS AT NO MORE THAN 25 PERCENT OF THE PEL OR 50 PERCENT OF THE IDLH, THE FOLLOWING SHALL OCCUR:

2. STOP THE FLOW OF REFRIGERANT IN ALL SUPPLY LINES LEAVING THE COMPRESSOR RACK FOR THE RESPECTIVE SYSTEM. AUDIO / VISUAL ALARMS FEDERAL SIGNAL CORPORATION VIBRATONE HORN; MODEL NUMBER: 350-120-30 (120 VAC)

FEDERAL SIGNAL CORPORATION RED STROBE; MODEL NUMBER: VALS-120R (120 VAC)

ALL AUDIO / VISUAL ALARMS MUST BE INSTALLED WITH WEATHERPROOF JUNCTION BOXES

TLV: THRESHOLD LIMIT VALUE. LLSV: LIQUID LINE SOLENOID VALVE

HORN MUST BE AT LEAST 15 DBA (SPL) ABOVE OPERATION AMBIENT NOISE. CONTROLLER PROGRAMMING FOR OUTPUT IS TO BE SET IN THE POSITION FOR SHUTTING DOWN POWER TO THE LLSV AND ACTIVATING THE REFRIGERANT LEAK ALARM.

LEAK ALARM SCHEDULE AND CONTROL SEQUENCE OF OPERATION

CIRCUIT SHUTDOWN OUTPUT CONTROLS TO BE PROGRAMMED IN SENSOR CONTROL SECTION OF THE CONTROLLER WITH THE ASSOCIATED LEAK DETECTION SENSOR INPUT.

LEGEND

PEL: PERMISSABLE EXPOSURE LIMIT. TWA: TIME WEIGHTED AVERAGE. EEPR: ELECTRONIC EVAPORATOR PRESSURE REGULATOR FOR INFORMATION REGARDING CLASSIFICATIONS AND REQUIREMENTS FOR PPM: PARTS PER MILLION. SPL: SOUND PRESSURE LEVEL

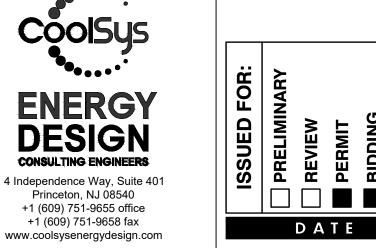
CLIFFORD S. TILBURY REFRIGERATED ENCLOSURES, REFER TO 2003 IMC SECTIONS 1103.1, 1103.2, 110

430 E. Front St. **Tyler, TX 75702** 903-579-0500

DEFROST TIME SCHEDULE

ENERGY MANAGEMENT

SCHEDULES



7

0

09/23 OKLAHOMA CERTIFICATE OF **AUTHORIZATION 8476** CHECKED BY: JC PROJECT NO. SIONAL: CT CED PROJECT #: 23-NJ4

4090200-0 STORE NO. SHEET NO.

GENERAL STRUCTURAL NOTES

6. ALL DIMENSIONS MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND WITH EQUIPMENT MANUFACTURER (I.E. WINDOW, DOOR, AIR HANDLER, ETC.). CONTRACTOR MUST OBTAIN AN ARCHITECTURAL DIRECTIVE IN CASE OF ANY CONFLICT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN IN STRUCTURAL DRAWINGS. DO NOT SCALE OFF DRAWINGS. **GOVERNING BUILDING CODE: THE 2015 INTERNATIONAL BUILDING CODE** RISK CATEGORY 2. MINIMUM FIRST FLOOR LIVE LOADS: UNIFORM LIVE LOAD = 100 PSF CONCENTRATED LIVE LOAD = 1000 LB IMPACT LOAD = N/ALIVE LOAD REDUCTION ROOF DEAD LOAD = 25 PSF 4. MINIMUM ROOF LIVE LOAD = 20 PSF ROOF SNOW DATA: SNOW IMPORTANCE FACTOR, Is = 1.00 = 10 PSF GROUND SNOW LOAD, Pg = 10 PSF FLAT ROOF SNOW LOAD, P SNOW EXPOSURE FACTOR, Ce = 1.0 THERMAL FACTOR, Ct. DRIFT LOAD DATA INDICATED ON ROOF FRAMING PLAN WIND DESIGN DATA: WIND IMPORTANCE FACTOR. IW = 1.0 ULTIMATE DESIGN WIND SPEED (3 SECOND GUST), VULT = 115 MPH NOMINAL DESIGN WIND SPEED. VASD = 90 MPH WIND EXPOSURE CATEGORY INTERNAL PRESSURE COEFFICIENTS $= \pm 0.18$ WIND DESIGN PRESSURES PER ASCE 7-10 7. SEISMIC DESIGN DATA: SEISMIC IMPORTANCE FACTOR, le = 1.00 MAPPED SPECTRAL RESPONSE COEFFICIENTS = 0.153= 0.081SITE CLASS = D (ASSUMED) DESIGN SPECTRAL RESPONSE COEFFICIENTS = 0.163= 0.129SEISMIC DESIGN CATEGORY 8. FOUNDATION DESIGN DATA = 2000 PSF PER EXISTING BLDG DRAWINGS ALLOWABLE BEARING PRESSURE MINIMUM FOUNDATION DEPTH FLOOD DESIGN DATA

THESE DRAWINGS SHALL BE FULLY COORDINATED WITH STRUCTURAL CONSTRUCTION DOCUMENTS

DEVELOPED BY CORE STATES, INC. (CSI). CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IF ANY

2. CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND

IMMEDIATE ATTENTION OF THE ARCHITECT AND ENGINEERS.

CASE OF CONFLICT THE MOST STRINGENT CONDITION SHALL APPLY.

DETAILS BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE

3. DETAILS SHOWN IN ANY SECTION APPLY TO ALL SIMILAR SECTIONS AND CONDITIONS UNLESS NOTED

4. CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT ALL WORK IN PROGRESS UNTIL THE

5. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND THE

ARCHITECTURAL AND MECHANICAL DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, IT IS

THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT PRIOR TO PERFORMING WORK. IN

DISCREPANCIES ARE NOTED

BUILDING IS COMPLETED.

FOUNDATIONS

SPECIAL LOADS:

- FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH ASSUMED CONDITIONS ALL SUBGRADE SHALL BE TESTED AND BEARING VALUE VERIFIED BY A GEOTECHNICAL ENGINEER OR FESTING LABORATORY
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY IN THE EVENT THAT THE SOIL CONDITIONS ENCOUNTERED VARY FROM THOSE SHOWN ON THE BORING LOGS. ALL EXTERIOR FOOTINGS SHALL EXTEND BELOW THE MAXIMUM ANTICIPATED DEPTH OF FROST.
- ANY FILL REQUIRED BELOW SLABS-ON-GRADE OR FOOTINGS SHALL BE COMPACTED AS REQUIRED BY THE ALL FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING AN ALLOWABLE BEARING PRESSURE AS NOTED
- ABOVE FOR FOOTINGS UNDER FULL SERVICE DEAD AND LIVE LOADS. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.
- 8. THE TOP OF EXTERIOR FOOTING ELEVATION SHALL BE SET A MINIMUM OF 8" BELOW LOWEST FINAL ADJACENT EXTERIOR GRADE AND A MINIMUM OF 8" BELOW FINISH FLOOR. THE BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR AT MINIMUM BEARING DEPTH BELOW LOWEST FINAL ADJACENT EXTERIOR GRADE. FINAL ADJACENT GRADE IS DEFINED AS THE LOWEST ADJACENT GRADE WITHIN 5 FEET OF THE FOUNDATION
- FOR PERIMETER (OR EXTERIOR) FOOTINGS AND FINISHED FLOOR LEVEL FOR INTERIOR FOOTINGS. VERIFY THE USE AND EXTENT OF PERIMETER INSULATION WITH THE ARCHITECTURAL DRAWINGS PRIOR TO THE INSTALLATION OF FOUNDATIONS. INSTALL PERIMETER INSULATION AS REQUIRED. 11. STANDARD PROCEDURES OF FROST PROTECTION FOR FOUNDATIONS AND EXCAVATIONS SHALL BE EMPLOYED FOR WINTER CONSTRUCTION. BACK FILLING OF EXCAVATIONS SHALL BE DONE AS SOON AS
- POSSIBLE TO PROTECT FOUNDATIONS FROM FROST. 12. HORIZONTAL BARS IN FOOTINGS AND CONCRETE WALLS SHALL BE CONTINUOUS. PROVIDE CORNER BARS AT ALL CORNERS AND INTERSECTIONS, UNO.
- FOUNDATION PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER. PENETRATIONS SHALL BE FOUNDATION STEM WALL OR 6" CLEAR BELOW FOOTING.

CONCRETE AND REINFORCING STEEL

- ALL CONCRETE AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AMERICAN CONCRETE INSTITUTE BUILDING CODE (ACI 318) AND WITH SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).
- ALL CONCRETE SHALL BE NORMAL-WEIGHT (DENSITY=145 PCF) AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AS NOTED IN THE TABLE BELOW.
- THE SLUMP OF ALL CONCRETE SHALL BE 4" ± 2".
- ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED PER ACI-318, LATEST EDITION, BASED ON FREEZE-THAW EXPOSURE SEVERITY AND AGGREGATE SIZE.
- MAXIMUM NOMINAL COURSE AGGREGATE SIZE SHALL BE 3/4" TYPICAL UNLESS NOTED OTHERWISE.
- THE MINIMUM PORTLAND CEMENT CONTENT (ASTM C150 TYPE I/II) OF ALL CONCRETE SHALL CONFORM TO THE FOLLOWING TABLE:

LOCATION	SPECIFIED COMPRESSIVE STRENGTH (PSI)	W/CM RATIO	AIR-ENTRAINED CONCRETE (%) (EXTERIOR)
FOUNDATIONS	4000	0.45 - 0.55	4 ±2

- ALL REINFORCED CONCRETE WORK SHALL BE PER "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318, LATEST EDITION.
- THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW A MINIMUM OF TWO WEEKS PRIOR TO THE PLACEMENT OF ANY CONCRETE. THE CONCRETE MIX DESIGNS SHALL INCLUDE ALL STRENGTH DATA NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT SPECIFICATIONS. CONCRETE REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED
- OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- CONCRETE REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706. HOOK ENDS OF BARS INTERRUPTED BY OPENINGS. HOOK TOP BARS AT ALL EDGES. AT ALL WALL AND SLAB OPENINGS, PROVIDE 2 - #5BARS x OPENING WIDTH PLUS 4 FEET(EACH SIDE) EACH FACE UNLESS SHOWN OTHERWISE
- ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE DETAILING MANUAL ALL REINFORCING SHALL BE SUPPORTED IN FORMS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI
- "MANUAL OF STANDARD PRACTICE". THE GENERAL CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND THE SUB-CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR PROPER LOCATION.

LIGHT GAGE METAL FRAMING ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AISI-NAS, "SPECIFICATION FOR THE DESIGN OF COLD FORMED STRUCTURAL MEMBERS". LATEST EDITION, PROVIDE SIGNED AND SEALED CALCULATIONS AND DRAWINGS FOR ALL LIGHT GAGE STRUCTURAL ELEMENTS OF THE BUILDING, INCLUDING THE EXTERIOR METAL STUDS (CURTAIN WALL), AND ALL EXTERIOR CEILINGS.

- ALL STRUCTURAL STUDS AND JOISTS 22, 20, AND 18 GAUGES SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING THE REQUIREMENTS OF ASTM C955 WITH A YIELD
- ALL STRUCTURAL STUDS AND JOISTS 16, 14, AND 12 GAUGES SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING ASTM C955, WITH YIELD STRENGTH OF 50,000 PSI.
- ALL STRUCTURAL TRACK AND BRIDGING SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING THE REQUIREMENTS OF ASTM C595, WITH YIELD STRENGTH OF 33,000
- WITH EACH TYPE OF METAL FRAMING REQUIRED, PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS (TRACKS), BLOCKING, LINTELS, CLIP ANGELS, SHOES, REINFORCEMENTS, FASTENERS, AND ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR APPLICATIONS INDICATED, AS NEEDED TO PROVIDE A COMPLETE METAL FRAMING SYSTEM.
- PROVIDE GALVANIZED FINISH TO METAL FRAMING COMPONENTS COMPLYING WITH ASTM A653 FOR MINIMUM G60 COATING. ATTACH SIMILAR COMPONENTS BY WELDING. ATTACH DISSIMILAR COMPONENTS BY WELDING, BOLTING OR SCREW FASTENERS. AS STANDARD WITH MANUFACTURER ALL WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED AND EXPERIENCED IN LIGHT GAGE STRUCTURAL STEEL FRAMING WORK.
- INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S PRINTED OR WRITTEN

INSTRUCTIONS AND RECOMMENDATIONS. UNLESS OTHERWISE INDICATED.

- 8. INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUDS.
- 9. WHERE STUD SYSTEM ABUTS STRUCTURAL COLUMN OR WALLS, ANCHOR ENDS OF STIFFENERS TO SUPPORTING STRUCTURE.
- 10. SECURE STUDS TO TOP AND BOTTOM RUNNER TRACKS BY EITHER WELDING OR SCREW FASTENERS AT BOTH INSIDE AND OUTSIDE FLANGES. 11. LIGHT GAGE METAL SHOP DRAWINGS AND CALCULATIONS MUST BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE IN WHICH THIS SITE IS LOCATED.

MEMBER DEPTH: (EXAMPLE: 6" = 600 x 1/100 INCHES) ALL MEMBER DEPTHS ARE TAKEN AS 1/100 INCHES. FLANGE WIDTH: (EXAMPLE: 1 5/8" = 1.62 X 1/100 INCHES) ALL FLANGE WIDTHS ARE TAKEN AS 1/100 INCHES.	
STYLE: (EXAMPLE: STUD OR JOIST SECTION = S) S = STUD OR JOIST SECTIONS T = TRACK SECTIONS U = CHANNEL SECTIONS F = FURRING CHANNEL SECTIONS MATERIAL THICKNESS: (EXAMPLE 0.054" = 54 MILS & 1 MIL = 1/1000 INCHES) 43 = 18 GAGE 54 = 16 GAGE 68 = 14 GAGE 97 = 12 GAGE	
LIGHT GAGE METAL FRAMING	

PRODUCT IDENTIFICATION

ACCORDING TO STEEL STUD MANUFACTURERS

ASSOCIATION FOUR PART IDENTIFICATION CODE SYSTEM

HE USE OF ROLLED STEEL SECTIONS AND/OR BOLTS MANUFACTURED OUTSIDE THE UNITED STATES WILL REQUIRE VERIFICATION THAT THE PRODUCTS COMPLY WITH APPLICABLE ASTM STANDARDS. MILL CERTIFICATES WILL BE REQUIRED FOR ALL STEEL. STRUCTURAL STEEL GRADES NOT MEETING THE ASTM SPECIFICATIONS FOR ROLLED SHAPES LISTED IN AISC STEEL

- CONSTRUCTION MANUAL TABLE 2-4 WILL REQUIRE TESTING BY AN APPROVED LABORATORY. 2. ALL STRUCTURAL STEEL WORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE
- STRUCTURAL STEEL SHALL CONFORM TO: WIDE FLANGE (WF) ASTM A992 (50 KSI)

SHAPES (L,T,C,PL) ASTM A36 STRUCTURAL TUBE (HSS) ASTM A500 (46 KSI) ASTM A500 (42 KSI) STEEL PIPE (HSS) ASTM F1553 (36 KSI) U.N.O. ANCHOR BOLTS FRAMING BOLTS ASTM A325 OR A490 SHEAR STUDS ASTM A108 WELDING ELECTRODES E70XX

- ALL HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM SPECIFICATION A325 AND SHALL BE PROVIDED WITH HARDENED WASHERS UNDER THE TURNED ELEMENT (NUT OR BOLT HEAD).
- INSTALLATION AND TIGHTENING OF ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". SHOP CONNECTIONS MAY BE WELDED OR HIGH STRENGTH BOLTED. ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM. ALL CONNECTIONS SHALL CONFORM TO THE TYPICAL CONNECTION DETAILS SHOWN ON THE PLANS UNLESS SPECIFICALLY APPROVED BY THE ENGINEER. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE, ANS01.1, ALL WELDING
- SHALL BE PERFORMED USING E70XX U.N.O. 8. CUTS, HOLES, COPINGS, ETC, REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF
- OTHER TRADES SHALL BE SHOWN IN THE STRUCTURAL STEEL SHOP DRAWINGS AND SHALL BE MADE IN THE SHOP. HOLES SHALL BE REINFORCED AS REQUIRED BY THE ENGINEER.
- BURNING OF HOLES, CUTS, ETC. IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED. EXCEPT WITH THE SPECIFIC APPROVAL OF THE ENGINEER. 10. ALL STEEL MEMBERS EXPOSED TO WEATHER (SUCH AS LINTELS, DOOR JAMBS, ETC.) SHALL BE GAL VANIZED.
- 11. FOR MISCELLANEOUS STEEL, SEE ARCHITECTURAL DRAWINGS. 12. ANY STEEL MEMBERS REQUIRED BY THE ELECTRICAL OR MECHANICAL TRADES FOR THE SUPPORT OF THEIR EQUIPMENT, WHICH ARE NOT SHOWN ON ARCHITECTURAL OR STRUCTURAL DRAWINGS, SHALL BE PROVIDED BY THE TRADE REQUIRING SUCH SUPPORT.
- 13. SEE SPECIFICATIONS FOR PAINTING OF STRUCTURAL STEEL. ALL FABRICATION AND ERECTION MARKS SHALL BE COVERED DURING FIELD TOUCH-UP PAINTING 14. ALL CONNECTIONS TO BE DOUBLE ANGLE FRAMED BEAM CONNECTION PER AISC UNLESS NOTED THERWISE. ALL BOLTS TO BE 3/4" MINIMUM DIAMETER UNLESS NOTED OTHERWISE. SHOP
- CONNECTIONS MAY BE WELDED OR BOLTED. WELDS ARE TO BE EQUAL IN STRENGTH TO BOLTS. 15. DESIGN CONNECTIONS FOR THE MAXIMUM SHEAR (V IN KIPS) LISTED IN THE TABLES FOR "ALLOWABLE UNIFORM LOADS IN KIPS FOR BEAMS LATERALLY SUPPORTED" AT THE BOTTOM OF EACH PAGE IN THE "PROPERTIES AND REACTION VALUES", PART 2 OF THE LATEST EDITION OF THE
- AISC "MANUAL OF STEEL CONSTRUCTION". PROVIDE SIGNED AND SEALED DRAWINGS AND CALCULATIONS BY A PROFESSIONAL ENGINEER. 16. A REGISTERED PROFESSIONAL ENGINEER SHALL INSPECT THE WELDING AND HIGH-STRENGTH BOLTING OF STRUCTURAL STEEL FRAMING AND WELDING, BOLTING AND FASTENING OF LIGHT
- WEIGHT MATERIAL SYSTEMS, AND METAL SIDINGS OF BUILDING 17. ALL STEEL MEMBERS SHALL BE MADE IN AN APPROVED FABRICATOR'S SHOP; THE APPROVED FABRICATOR SHALL SUBMIT THE CERTIFICATE OF COMPLIANCE TO THE BUILDING INSPECTOR PRIOR

WALL SHEATHING SHALL BE DENSGLASS SHEATHING MANUFACTURED TO MEET ASTM C1177 SPECIFICATIONS AND INSTALLED PER ASTM C1280 SPECIFICATIONS UNLESS NOTED OTHERWISE WITHIN CONTENTS OF DRAWINGS.

- PANEL GRADE/TYPE SPAN RATING ASTM C1177 PRODUCT STANDARD THICKNESS WALL SHEATHING SHALL BE FASTENED TO SUPPORTING FRAMING WITH 1" BUGLE HEAD FINE THREAD, CORROSION-RESISTANT SHARP POINT DRYWALL SCREWS AT THE SPACING INDICATED BELOW
- UNLESS NOTED OTHERWISE IN THE SHEAR WALL SCHEDULE: a. WALL EDGE
- SUPPORTED PANEL EDGES AWAY FROM EDGE OF WALL 8" O.C. c. CENTER OF PANELS

POST-INSTALLED ANCHORS 1. INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS

- INCLUDED IN THE ANCHOR PACKAGING 2. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI PROFI PISTON PLUG
- 3. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO
- INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION. 4. ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
- 5. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT. THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS BY HILTI PS 1000 OR OTHER GPR, X-RAY, CHIPPING OR OTHER APPROVED MEANS.
- 6. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE SHALL CONSIST OF HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM WITH HILTI HAS-V-36 GRADE 36 CARBON STEEL
- THREADED ROD PER ICC ESR-3187 7. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED MECHANICAL ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE SHALL CONSIST OF KWIK BOLT 3 EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM AND SI-AT-A22 TOOL WITH ADAPTIVE
- TORQUE FOR APPLICABLE SIZES PER ICC ESR-2302 8. EXCEPT WHERE INDICATED ON THE DRAWINGS, REBAR DOWELING FOR CRACKED AND UNCRACKED CONCRETE USE SHALL CONSIST OF HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL
- BIT AND VACUUM WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3187 EXCEPT WHERE INDICATED ON THE DRAWINGS, ANCHORAGE TO SOLID GROUTED MASONRY SHALL CONSIST OF HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM ICC ESR-4143. STEEL ANCHOR ELEMENT SHALL BE HILTI HAS CONTINUOUSLY THREADED ROD OR
- CONTINUOUSLY DEFORMED STEEL REBAR. 10. EXCEPT WHERE INDICATED ON THE DRAWINGS, ANCHORAGE TO HOLLOW AND MULTI-WYTHE MASONRY SHALL CONSIST OF HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM PER ICC ESR-4143. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. STEEL ANCHOR ELEMENT SHALL BE HILTI HAS CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR.
- 11. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HILTI OR OTHER SUCH METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS OR DRILLING METHODS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT MEETS OR EXCEEDS THE PERFORMANCE CAPACITIES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND/OR AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO
- CONSIDER CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE. 12. USE OF DIAMOND CORE BIT WITH ROUGHENING TOOL FOR ANCHOR HOLES REQUIRES APPROVAL FROM ENGINEER OF RECORD PRIOR TO DRILLING. UNLESS OTHERWISE SHOWN IN THE DRAWINGS, ALL HOLES SHALL BE DRILLED PERPENDICULAR TO THE CONCRETE SURFACE.

- THE DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW AND APPROVE THEM, AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. PROVIDE AMPLE TIME FOR THE BUILDING OFFICIAL TO REVIEW THE DOCUMENTS.
- REFER TO PROJECT SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS. 3. SHOP DRAWINGS AND SUBMITTALS WILL BE REVIEWED FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS.
- SUBMITTAL REVIEW WILL NOT BE CONDUCTED FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF OTHER DETAILED INFORMATION SUCH AS DIMENSIONS AND QUANTITIES. OR FOR SUBSTANTIATING INSTRUCTIONS FOR INSTALLATION OR PERFORMANCE OF EQUIPMENT OR SYSTEMS DESIGNED BY THE CONTRACTOR. ALL OF THIS REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.
- REVIEW SHALL NOT CONSTITUTE APPROVAL OF SAFETY PRECAUTIONS OR OF ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES.
- APPROVAL OF A SPECIFIC ITEM SHALL NOT INDICATE APPROVAL OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.
- SHOP DRAWINGS AND/OR PRODUCT DATA FOR THE FOLLOWING ITEMS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL:
- STRUCTURAL STEEL
- STRUCTURAL STEEL CONNECTION DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A LICENSED PROFESSIONAL IN THE STATE IN WHICH THIS SITE IS LOCATED.
- LIGHT GAGE STEEL DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A LICENSED
- PROFESSIONAL IN THE STATE IN WHICH THIS SITE IS LOCATED. CONCRETE MIXES
- SHOP DRAWINGS ARE TO BE DISTRIBUTED ONLY FROM RETURNED SUBMITTALS BEARING AN INITIALED REVIEW STAMP AND WORK ON THESE ITEMS SHALL NOT PROCEED UNLESS THE STAMP CLEARLY INDICATES THE DRAWINGS ARE "APPROVED" OR "APPROVED AS NOTED."
- SHOP DRAWINGS AND/OR PRODUCT DATA FOR THE FOLLOWING ITEMS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. THE ENGINEER'S REVIEW WILL BE LIMITED TO CONFORMANCE WITH DESIGN AND PERFORMANCE CRITERIA SPECIFIED IN THE CONSTRUCTION DOCUMENTS AND THE INTERFACE BETWEEN THESE ITEMS/SYSTEMS AND THE BUILDING STRUCTURE. THIS REVIEW WILL CHECK THE COMPATIBILITY OF LOADS AND POSITIONS OF LOADS IMPARTED ONTO THE BUILDING STRUCTURE, AND COMPATIBILITY OF CONNECTIONS WITH THE BUILDING STRUCTURE. THE MANUFACTURER/SUPPLIER AND IT'S SPECIALTY STRUCTURAL ENGINEER RESPONSIBLE FOR THE DESIGN OF THE ITEM/SYSTEM WILL RETAIN ALL RIGHTS AND RESPONSIBILITIES FOR THE DESIGN OF THE PRODUCT AND THE CONNECTIONS TO THE BUILDING
- 10. NO WORK ON STRUCTURAL ELEMENTS SUPPORTING OR RELATED TO THESE ITEMS IS TO PROCEED UNLESS THE REVIEW STAMP CLEARLY INDICATES "REVIEWED" OR "REVIEWED, SEE COMMENTS" BY
- . CONCRETE IS A PRE-ENGINEERED MATERIAL DESIGNED BY THE SUPPLIER TO MEET THE STRENGTH AND PERFORMANCE CRITERIA SPECIFIED IN THE CONTRACT DOCUMENTS. CONCRETE MIX DESIGNS SHALL BE IN CONFORMANCE WITH ACI 318, CHAPTER 5, AND SHALL BE SUBMITTED TO THE INDEPENDENT TESTING LAB WITH APPROPRIATE HISTORICAL TEST DATA AND ANALYSIS FOR REVIEW AND APPROVAL. SUBMIT MIX DESIGNS AND THE TESTING LAB REVIEW TO THE ARCHITECT/ENGINEER FOR REVIEW.
- 12. MANY VARIABLES, INCLUDING MIX COMPONENTS AND ENVIRONMENTAL CONDITIONS AFFECT THE QUALITY OF CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING VARIABLES AND REQUESTING MIX MODIFICATIONS AND SHALL BE SOLELY RESPONSIBLE FOR THE QUALITY OF CONCRETE DELIVERED AND PLACED ON THE SITE.
- 13. GENERAL CONTRACTOR SHALL PRE-CHECK ALL SHOP DRAWINGS BEFORE SUBMISSION TO THE ENGINEER FOR REVIEW. ALL SUBMITTAL MATERIALS MUST BEAR AN INITIALED REVIEW STAMP OF THE GENERAL CONTRACTOR. SUBMITTALS WITHOUT THE REVIEW STAMP OF THE GENERAL CONTRACTOR WILL BE RETURNED WITHOUT REVIEW AND SHALL NOT BE CAUSE FOR CLAIMS OF
- 14. GENERAL CONTRACTOR SHALL SCHEDULE SUBMITTALS SUFFICIENTLY IN ADVANCE OF THE DATE REQUIRED TO ALLOW REASONABLE TIME FOR DELIVERY, PROCESSING AND REVIEW BY THE DESIGN TEAM, THIS SHALL INCLUDE A MINIMUM OF TEN WORKING DAYS, EXCLUDING DELIVERY TIME, FOR ENGINEER'S PROCESSING AND REVIEW OF SHOP DRAWINGS. INCLUDE TIME FOR CONTRACTOR'S RESUBMISSION AND SUBSEQUENT REVIEW IF NECESSARY.
- 15. SHORTER REVIEW PERIODS WILL ONLY BE HONORED WITH PRIOR WRITTEN CONSENT FROM THE ENGINEER. THESE ACCELERATED SERVICES, AND APPROPRIATE COMPENSATION, MUST BE NEGOTIATED WITH THE ENGINEER AND ARCHITECT IN ADVANCE.
- 16. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS, INCLUDING THE USE OF ELECTRONIC FILES, BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF THE INDEPENDENT PREPARATION OF SHOP DRAWINGS, SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON. SUCH USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS WILL NOT BE ALLOWED WITHOUT PRIOR CONSENT FROM THE ENGINEER.
- 17. WHEN USING ELECTRONIC FORMAT FOR SUBMITTALS, THE CONTRACTOR SHALL PROVIDE ONE PRINTED HARD COPY FOR ENGINEER REVIEW OR EXECUTE AN AGREEMENT FOR REIMBURSING THE ENGINEER FOR PRINTING COSTS FOR ONE COPY.

SHOP DRAWING SUBMITTALS REQUIRED BY THESE GENERAL STRUCTURAL NOTES WHICH CONTAIN DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER OTHER THAN THE ENGINEER OF RECORD. SHALL BE SUBMITTED DURING CONSTRUCTION TO THE CITY FIELD INSPECTOR FOR REVIEW. THE DOCUMENTS WILL FIRST BE REVIEWED BY THE ENGINEER OF RECORD AND DETERMINED TO BE IN GENERAL CONFORMANCE WITH THE BUILDING DESIGN. THESE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

WOOD FRAMING:

- A. ALL NAILING NOT NOTED SHALL BE PER TYPICAL DETAIL AND COMMON NAIL DIAMETER TABLE BELOW, ALL BOLTING SHALL BE PER STRUCTURAL STEEL SECTION ABOVE. WOOD CONNECTORS SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. OR OTHER MANUFACTURER WITH CURRENT AND EQUIVALENT ICC APPROVAL. WHERE "TYPE" OF CONNECTOR IS INDICATED ON THE DRAWINGS, THE
- CONNECTOR AND ATTACHMENT SHALL BE PER THE MAXIMUM MODEL NUMBER BASED ON THE SIZE OF THE MEMBERS CONNECTED. B. WOOD FRAMING MEMBERS SHALL NOT BE NOTCHED OR DRILLED WITHOUT PRIOR

APPROVAL OF THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT.

NAIL TYPE REQ'D DIA REQ'D GA LENGTH NAIL TYPE REQ'D DIA REQ'D GA LENGTH 0.113" 11 1/2 2" 12d 0.148" 0.131" 10 1/4 2 1/2" 16d 0.162" 8 3 1/2" 0.148" 9 3" 20d 0.192"

- C. WOOD STUDS AND TRUSSES SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% WHEN DELIVERED TO THE JOB SITE.
- D. PRESERVATIVE-TREATED WOOD: 1. ALL SILL PLATES IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE-TREATED WOOD. WOOD FRAMING MEMBERS ATTACHED DIRECTLY TO THE INTERIOR OF EXTERIOR MASONRY OR CONCRETE WALLS BELOW GRADE SHALL BE PRESERVATIVE-TREATED WOOD.
- 2. ALL WOOD FRAMING MEMBERS, INCLUDING WOOD SHEATHING THAT ARE IN CONTACT WITH EXTERIOR WALLS AND ARE LESS THAN 8 INCHES FROM FINISHED GRADE SHALL BE PRESERVATIVE-TREATED WOOD.

3. ALL FASTENERS INCLUDING NUTS AND WASHERS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL. THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE PER ASTM A153. FASTENERS OTHER THAN NAILS, WOOD SCREWS AND LAG SCREWS ARE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS PER ASTM B695, CLASS 55 MINIMUM.

4. ALL FASTENERS INCLUDING NUTS AND WASHERS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL. THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE PER ASTM A153. FASTENERS OTHER THAN NAILS, WOOD SCREWS AND LAG SCREWS ARE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC-COATED STEEL WITH COATING WEIGHTS PER ASTM B695, CLASS 55 MINIMUM.

E. FRAMING LUMBER SHALL COMPLY WITH THE REFERENCED EDITION OF THE GRADING RULES OF THE WWPA OR THE WCLIB. ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY AND SHALL HAVE MINIMUM PROPERTIES WHICH MEET OR EXCEED THE FOLLOWING WOOD TYPES: 1. EXTERIOR WALL STUDS: DOUGLAS FIR-LARCH (DF-L) No. 2 OR BETTER, OR SOUTHERN PINE No. 2 OR BETTER. 2. HEADERS: DOUGLAS FIR-LARCH (DF-L) No. 2 OR BETTER, OR SOUTHERN PINE No. 2

3. BEARING PLATES AND TOP PLATES: DOUGLAS FIR-LARCH (DF-L) No. 2 OR BETTER, OR SOUTHERN PINE No. 2 OR BETTER.

9. PREFABRICATED WOOD TRUSS FRAMING MEMBERS:

- A. FRAMING MEMBERS SHALL BE DESIGNED TO SUPPORT SELF WEIGHT PLUS LIVE LOAD AND SUPERIMPOSED DEAD LOADS STATED IN THE GENERAL STRUCTURAL NOTES OR AS LOCATED ON PLANS. BRIDGING SIZE AND SPACING BY FABRICATOR UNLESS NOTED OTHERWISE. ALL CONNECTORS SHALL HAVE CURRENT ICC APPROVAL. FRAMING MEMBERS SHALL BE AGENCY STAMPED AND CONFORM TO THE REFERENCED BUILDING CODE AND ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL CONNECTED WOOD TRUSS CONSTRUCTION." CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ERECTION DRAWINGS AND DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER IN THE PROJECT LOCATION STATE FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. SAID SUBMITTAL, IN ADDITION TO LOADS SPECIFIED IN THE G.S.N. AND PLANS, SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
- 1. DEFLECTION/CAMBER: ROOFS WITHOUT PLASTER OR GYPBOARD CEILINGS TOTAL LOAD MAXIMUM = L/180, LIVE LOAD MAXIMUM = L/240. ROOFS WITH PLASTER OR GYPBOARD CEILINGS TOTAL LOAD MAXIMUM = L/240. LIVE LOAD MAXIMUM = L/360. FABRICATOR SHALL DESIGN ROOF MEMBERS FOR PONDING WHERE ROOF SLOPES ARE LESS THAN 1/4" PER FOOT. FRAMING MEMBERS SHALL BE CAMBERED FOR 1.0 TIMES THE DEAD LOAD DEFLECTION. MAXIMUM TOTAL LOAD DEFLECTION OF MEMBERS SHALL BE 1"; FABRICATOR SHALL DESIGN ADJACENT MEMBERS FOR MAXIMUM OF 1/4" DIFFERENTIAL DEFLECTION.
- 2. TOP CHORD MEMBER WOOD SPECIES SHALL HAVE A SPECIFIC GRAVITY OF 0.42 OR B. VERIFY SIZE. WEIGHT AND LOCATION OF SUPPORTED EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, SPRINKLER AND THEIR
- REQUIRED TO SUPPORT EQUIPMENT. C. FABRICATOR SHALL HAVE ICC APPROVAL OR BE APPROVED ACCORDING TO THE BUILDING JURISDICTION.

RELATED DRAWINGS. ADDITIONAL FRAMING MEMBERS SHALL BE SUPPLIED AS

10. SPECIAL INSPECTIONS:

A. SPECIAL INSPECTOR (SI) SHALL BE RETAINED AND PAID BY THE OWNER AND PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER SECTION 1704 OF THE IBC AS PER TABLE ON S1.1.

B. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE

- COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL C. THE DUTIES OF THE SPECIAL INSPECTOR SHALL INCLUDE, BUT ARE NOT LIMITED TO, VERIFICATION OF CONSTRUCTION QUALITY CONTROL, TESTING, COMPLIANCE WITH
- THE CONSTRUCTION DOCUMENTS. BUILDING CODE REQUIREMENTS. AND LOCAL BUILDING DEPARTMENT REQUIREMENTS. D. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROPER NOTIFICATION TO THE SPECIAL INSPECTOR AND PROCEED WITH THE CONSTRUCTION ONLY AFTER THE
- SPECIAL INSPECTOR'S APPROVAL. E. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR: 1. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR
- CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAIVE ANY OF THE REQUIREMENTS OF THE DOCUMENTS. 2. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE CONSTRUCTION OFFICIAL
- AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, THE CONTRACTOR AND THE OWNER. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR AND THE OWNER FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND THE OWNER PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.
- 3. A FINAL REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF SPECIFIED QUALITY ASSURANCE TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED.

GLUED-LAMINATED BEAMS (GLULAM/GLB):

ALL STRUCTURAL GLUED-LAMINATED BEAMS SHALL MEET THE COMBINATION REQUIREMENTS FROM THE REFERENCED AITC-117 OR NATIONAL DESIGN SPECIFICATION. BEAMS FOR SINGLE SPAN CONDITIONS SHALL BE 24F-V4 DF, BEAMS CANTILEVERING OVER SUPPORTS SHALL BE 24F-V8 DF, WITH THE FOLLOWING MINIMUM PROPERTIES: Fb = 2,400 PSI, Fv = 265 PSI, Fc (PERPENDICULAR) = 650 PSI, E = 1,800,000 PSI. ALL BEAMS SHALL BE FABRICATED USING WATERPROOF GLUE. FABRICATION AND HANDLING PER REFERENCED AITC AND WCLA STANDARDS. SUPPLIER SHALL VERIFY WITH ARCHITECT THE GRADE FINISH OF ALL ARCHITECTURALLY EXPOSED FRAMING MEMBERS. BEAMS TO BEAR GRADE STAMP AND AITC STAMP AND CERTIFICATE. CAMBER AS SHOWN ON DRAWINGS. STANDARD CAMBER (STD) IS DEFINED AS RADIUS OF CURVATURE EQUAL TO 3,500 FEET MINIMUM.

ALL STRUCTURAL GLUED-LAMINATED BEAMS RATED FOR FIRE ENDURANCE SHALL MEET THE REQUIREMENTS OF CHAPTER 16 OF THE AF & PA NATIONAL DESIGN SPECIFICATION. MEMBERS RATED FOR 1-HOUR FIRE ENDURANCE SHALL HAVE THE OUTERMOST INTERIOR CORE LAMINATION SUBSTITUTED WITH AN ADDITIONAL TENSION LAMINATION ON THE TENSION SIDE FOR UNBALANCED (SIMPLE SPAN) BEAMS AND ON BOTH SIDES FOR BALANCED (CANTILEVER) BEAMS.

PLYWOOD: ALL PLYWOOD SHALL BE APA "CDX" RATED SHEATHING OR BETTER AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY. LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. STAGGER JOINTS. ALL NAILING, COMMON NAILS. WHERE SCREWS ARE INDICATED FOR WOOD TO WOOD ATTACHMENTS, USE WOOD SCREWS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/INDEX RATIO AND SHALL BE ATTACHED AS FOLLOWS UNLESS NOTED OTHERWISE:

ROOF ----- 5/8" (19/32" MIN) ---- 40/20 --- 10d AT 6" O.C. --- 10d AT 12" O. WALLS ---- 1/2" ---- 8d AT 6" O.C . --- 8d AT 12" O.C. SHEAR WALLS - SEE SHEAR WALL SCHEDULE

ALL SHEATHING SHALL BE GAPPED 1/8" ON THE EDGES AND ENDS. ROOF SHEATHING SHALL HAVE PANEL SHEATHING CLIPS APPROPRIATELY INSTALLED BETWEEN THE TRUSSES.



Proj. Number: BGC.37948.RR

430 E. Front St. **Tyler, TX 75702**

DATE 09/23 PROJECT NO.

STRUCTURAL SPECIAL INSPECTIONS

- 1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 1705 OF THE 2015 INTERNATIONAL BUILDING CODE.
- 2. THE OWNER WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE REQUIRED SPECIAL INSPECTION ITEMS. 3. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE, FOR INSPECTION OF THE PARTICULAR TYPE
- OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. 4. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR: A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE
- APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAVE ANY OF THE REQUIREMENTS OF THE DOCUMENTS. B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE PROFESSIONAL-OF-RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE
- HAVE BEEN COMPLETED. C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE

OWNER, THE BUILDING OFFICIAL, AND THE PROFESSIONAL-OF-RECORD, UNTIL ALL CORRECTIONS

- WORKMANSHIP PROVISIONS OF THE BUILDING CODE. 5. STRUCTURAL OBSERVATION (AS DEFINED IN CHAPTER 17 OF THE BUILDING CODE) IS NOT REQUIRED, UNLESS SPECIFICALLY REQUIRED BY THE BUILDING OFFICIAL.
- 6. THE FOLLOWING AREAS OF WORK REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE LISTED SECTIONS/LOCATIONS:
- A. SOILS SECTION 1705.6 PER TABLE 1705.6

	SPECIAL INSPECTION AND VERIFIC	CATION OF SOILS		
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK		PERIODICALLY DURING TASK LISTED	IBC REFERENCE
Υ	1. VERIFY MATERIALS BELOW SHALLOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		Х	1705.6
Υ	2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X	1705.6
Υ	3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		Х	1705.6
Υ	4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	Х		1705.6
Υ	5. PRIOR TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		Х	1705.6

B. CONCRETE CONSTRUCTION - SECTION 1705.3 PER TABLE 1705.3

	SPECIAL INSPECTION AND VER	11 10/111011 01	OUTONETE C		<u> </u>
ODEOLAL		FREQUENCY C	OF INSPECTION	REFEREI	NCE FOR CRITERIA
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCED STANDARD
Υ	INSPECTION OF REINFORCING STEEL, INCLUDING PRE-STRESSING TENDONS AND VERIFY PLACEMENT.		х	1908.4	ACI 318: CH. 20, 25.2, 25.3, 26.5.1-26.5.3
N	2. REINFORCING BAR WELDING				
-	a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;		x		
-	b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16		Х		AWS D1.4 ACI 318: 26.5.4
-	c. INSPECT OTHERS WELDS	X			
Υ	3. INSPECTION OF ANCHORS CAST IN CONCRETE		Х		ACI318: 17.8.2
Υ	4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS				
N	a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	x			ACI 318: 17.8.2.4
Y	b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4a.		Х		ACI 318: 17.8.2
Υ	5. VERIFYING USE OF REQUIRED DESIGN MIX.		Х	1904.1, 1904.2, 1908.2, 1408.3	ACI 318: CH. 19, 26.4.3 26.4.4
Y	6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	х		1910.10	ASTM C 172 ASTM C 31 ACI 318: 26.4.5, 26.12
Υ	7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	Х		1908.6, 1908.7, 1908.8	ACI 318: 26.4.5
Υ	8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		Х	1910.9	ACI 318: 26.4.7-26.4.9
N	9. INSPECTION OF PRESTRESSED CONCRETE:				
-	a. APPLICATION OF PRESTRESSING FORCES.	Х			ACI 318: 26.9.2.1 ACI 31
-	b. GROUTING OF BONDED PRESTRESSING TENDONS	Х			26.9.2.3
N	10. ERECTION OF PRECAST (TILT UP PANELS) CONCRETE MEMBERS.		Х		ACI 318: CH. 26.8
N	11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORING AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		х		ACI 318: 26.10.2
Υ	12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		Х		ACI 318: 26.10.1(b)

C. WOOD CONSTRUCTION - SECTION 1705.5

	SPECIAL INSPECTION AND VERIFICATION OF WOOD CONSTRUCTION						
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK		PERIODICALLY DURING TASK LISTED	IBC REFERENCE			
N	1. HIGH-LOAD DIAPHRAGMS		Х	1705.5.1			
N	2. METAL-PLATE CONNECTED WOOD TRUSSES SPANNING > 60 FEET		X	1705.5.2			

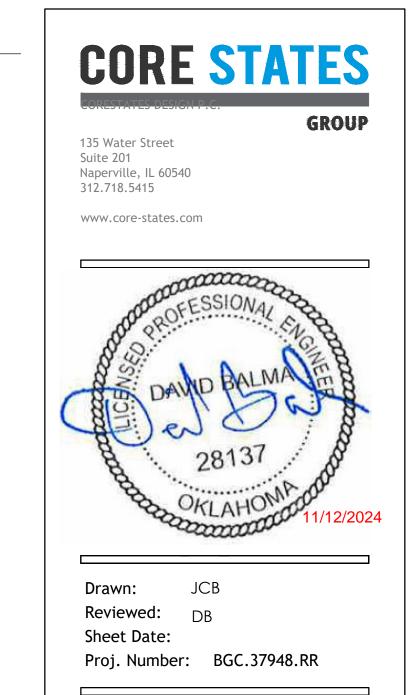
	SPECIAL INSPECTION OF WIND FORCE RES	ISTING SYST	EMS	
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC REFERENCE
N	1. NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER COMPONENTS OF THE MAINFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLD-DOWNS WHERE FASTENER SPACING FOR SHEATHING IS 4" ON-CENTER OR LESS.		Х	1705.10.1
N	2. FIELD GLUING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	х		1705.10.1
N	3. COLD-FORMED STEEL WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM		Х	1705.10.2
N	4. COLD-FORMED STEEL SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAINFORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, DIAPHRAGMS, COLLECTORS (DRAG STRUTS), AND HOLD-DOWNS WHERE NON-GYPSUM BOARD/FIBERBOARD SHEATHING FASTENER SPACING IS 4" ON-CENTER OR LESS.		Х	1705.10.2
N	5. ROOF CLADDING		Х	1705.10.3
N	6. WALL CLADDING		Х	1705.10.3

E. STEEL CONSTRUCTION (STRUCTURAL STEEL) - SECTION 1705.2.1

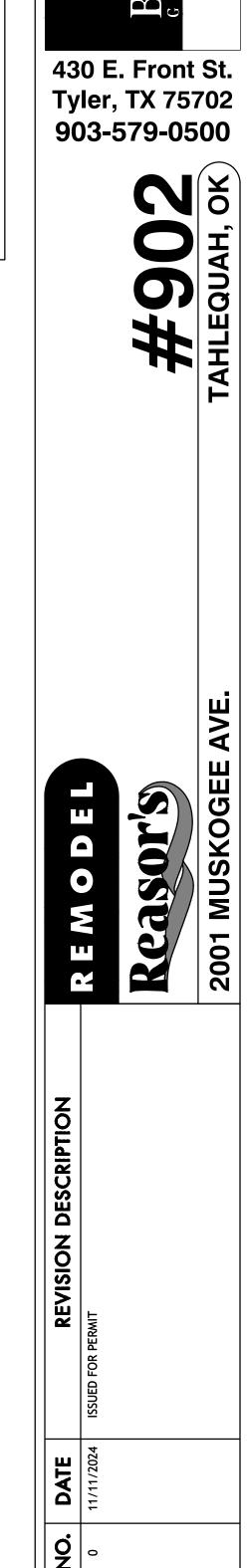
;	SPECIAL INSPECTION AND VERIFICATION	OF STRUCT	JRAL STEEL C	CONSTRUC	CTION	
SPECIAL		FREQUENCY	OF INSPECTION	REFERENCE FOR CRITERIA		
INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCED STANDARD	
	PRIOR TO	WELDING				
Υ	1. VERIFY WELDING PROCEDURES (WPS) AND CONSUMABLE CERTIFICATES	Х		1705.2.1	N5.4-1, AISC 360-	
Y	2. MATERIAL IDENTIFICATION		X	1705.2.1	N5.4-1, AISC 360-	
Y	3. WELDER IDENTIFICATION		Х	1705.2.1	N5.4-1, AISC 360-	
Y	4. FIT-UP GROOVE WELDS		X	1705.2.1	N5.4-1, AISC 360-	
Y	5. ACCESS HOLES		X	1705.2.1	N5.4-1, AISC 360-	
Υ	6. FIT-UP OF FILLET WELDS		Χ	1705.2.1	N5.4-1, AISC 360-	
	DURING '	WELDING				
Y	1. USE OF QUALIFIED WELDERS		Х	1705.2.1	N5.4-1, AISC 360-	
Y	2. CONTROL AND HANDLING OF WELDING CONSUMABLES		Х	1705.2.1	N5.4-1, AISC 360-	
Y	3. CRACKED TACK WELDS		Х	1705.2.1	N5.4-1, AISC 360-	
Y	4. ENVIRONMENTAL CONITIONS		Х	1705.2.1	N5.4-1, AISC 360-	
Y	5. WPS FOLLOWED		Х	1705.2.1	N5.4-1, AISC 360-	
Υ	6. WELDING TECHNIQUES		Х	1705.2.1	N5.4-1, AISC 360-	

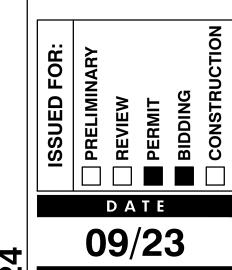
E. STEEL CONSTRUCTION (STRUCTURAL STEEL) - SECTION 1705.2.1 (CONTINUED)

	AFTER W	VELDING			
Υ	1. WELD IS CLEANED		х	1705.2.1	N5.4-3, AISC 360-1
Υ	2. SIZE, LENGTH AND LOCATION OF WELDS	Х		1705.2.1	N5.4-3, AISC 360-1
Υ	3. WELDS MEET VISUAL ACCEPTANCE CRITERIA	Х		1705.2.1	N5.4-3, AISC 360-10
Υ	4. ARC STRIKES	х		1705.2.1	
Υ	5. K-AREA	х		1705.2.1	N5.4-3, AISC 360-10
Υ	6. BACKING AND WELD TABS REMOVED	Х		1705.2.1	N5.4-3, AISC 360-10
Υ	7. REPAIR ACTIVITIES	Х		1705.2.1	N5.4-3, AISC 360-10
Υ	8. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT/NUMBER	Х		1705.2.1	N5.4-3, AISC 360-10
	NON-DESTRUC	TIVE TESTI	NG		
N	1. CJP WELDS (RISK CAT. III)		Х	1705.2.1	N5.5, AISC 360-10
N	2. CJP WELDS (RISK CAT. III OR IV)	Х		1705.2.1	N5.5, AISC 360-10
N	3. ACCESS HOLES (FLANGE > 2")	Х		1705.2.1	N5.5, AISC 360-10
N	4. WELDED JOINTS SUBJECT TO FATIGUE	Х		1705.2.1	N5.5, AISC 360-10
	PRIOR TO	BOLTING	1		
Υ	1. CERTIFICATIONS OF FASTENERS	Х		1705.2.1	N5.6-1, AISC 360-10
Υ	2. FASTENERS MARKED		Х	1705.2.1	N5.6-1, AISC 360-10
Υ	3. PROPER FASTENERS FOR JOINT		Х	1705.2.1	N5.6-1, AISC 360-10
Υ	4. PROPER BOLTING PROCEDURE		X	1705.2.1	N5.6-1, AISC 360-10
Υ	5. CONNECTING ELEMENTS		Х	1705.2.1	N5.6-1, AISC 360-10
Υ	6. PRE-INSTALLED VERIFICATION TESTING		Х	1705.2.1	N5.6-1, AISC 360-10
Υ	7. PROPER STORAGE		X	1705.2.1	N5.6-1, AISC 360-10
	DURING E	L BOLTING			
Υ	1. FASTENER ASSEMBLIES		X	1705.2.1	N5.6-2, AISC 360-10
N	2. SNUG TIGHT PRIOR TO PRE-TENSIONING		X	1705.2.1	N5.6-2, AISC 360-10
Υ	3. FASTENER COMPONENT		X	1705.2.1	N5.6-2, AISC 360-10
N	3. PRE-TENSIONED FASTENERS		X	1705.2.1	N5.6-2, AISC 360-10
	AFTER B	L BOLTING			
Y	1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	Х		1705.2.1	N5.6-3, AISC 360-10
	OTHER STEEL	INSPECTIO	⊥ NS		1
Y	1. STRUCTURAL STEEL DETAILS		X	1705.2.1	N5.7, AISC 360-10

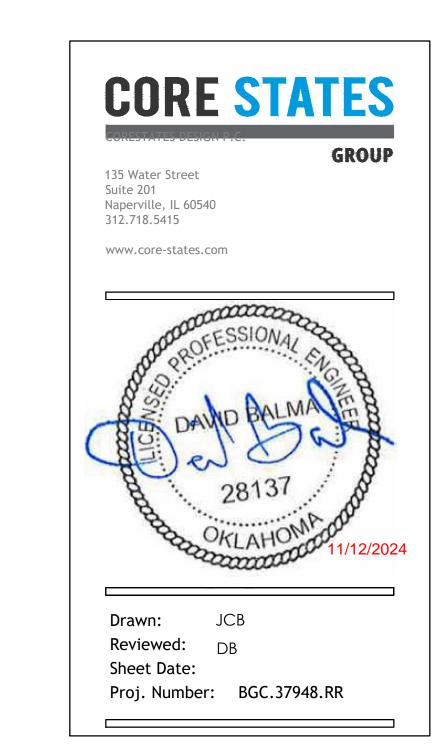


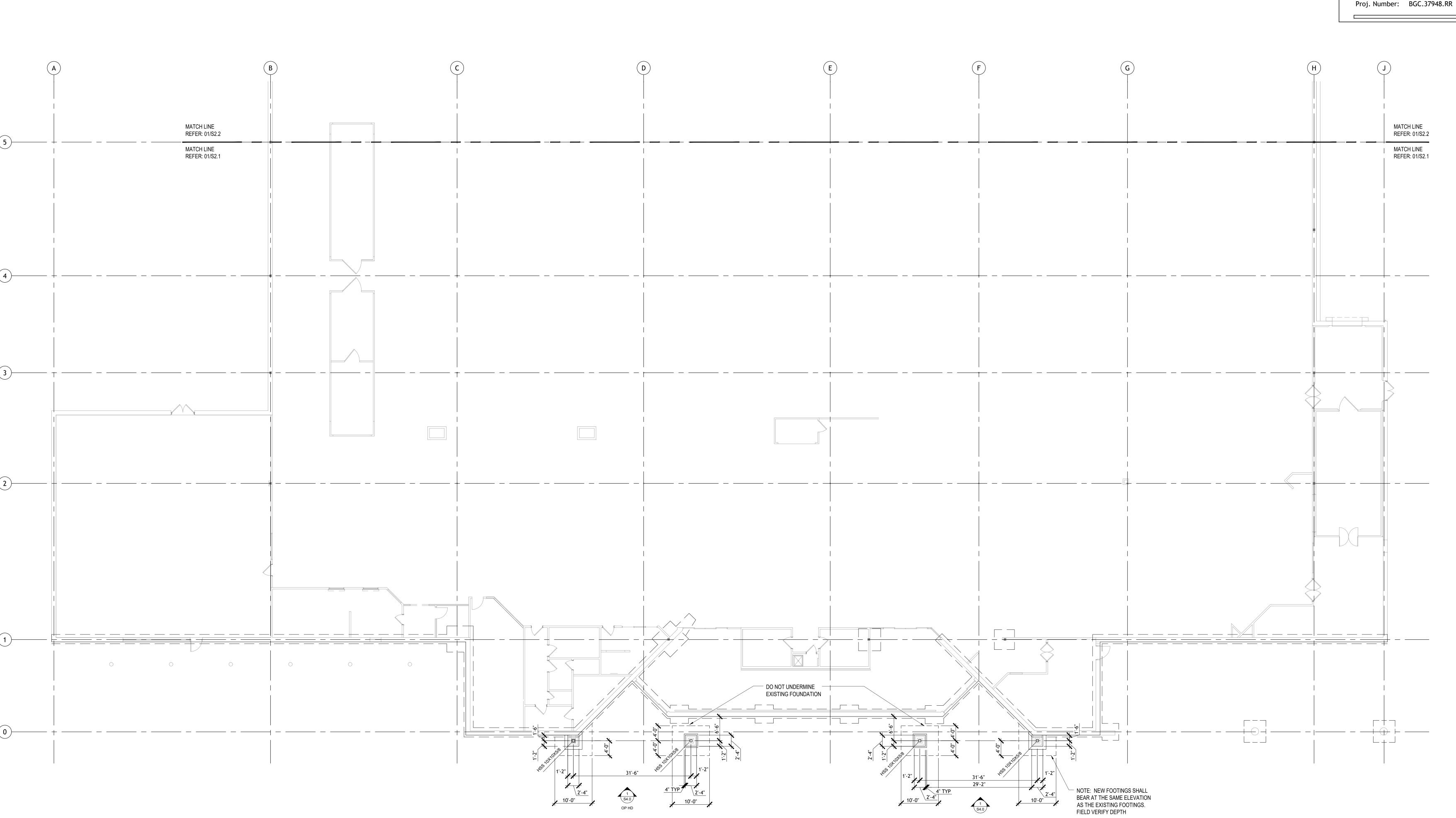




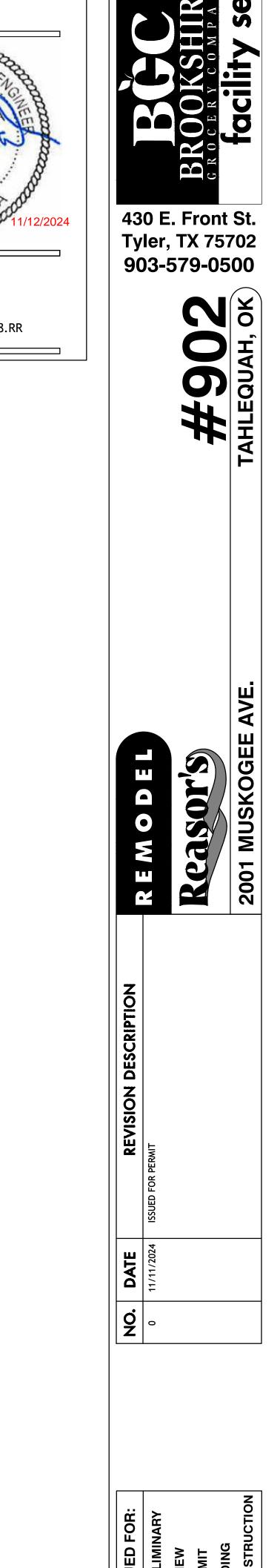


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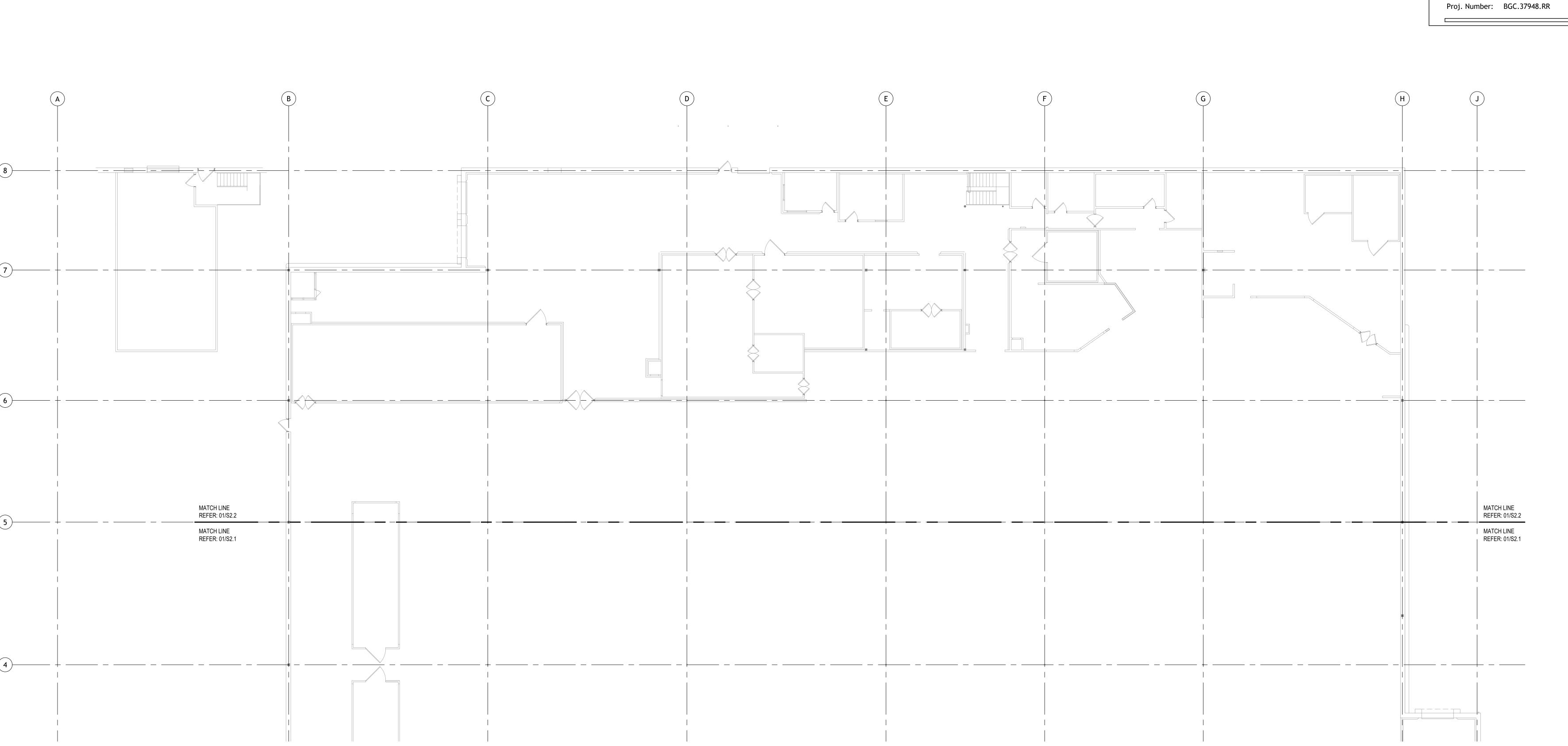


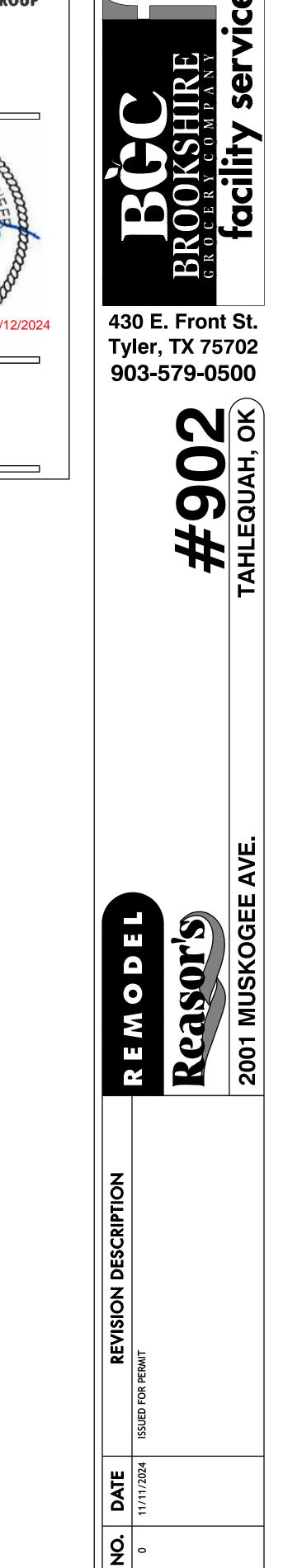


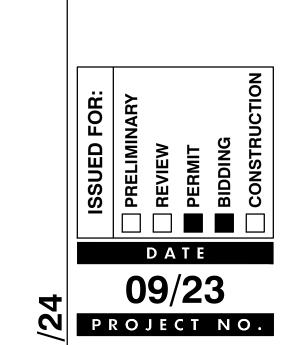






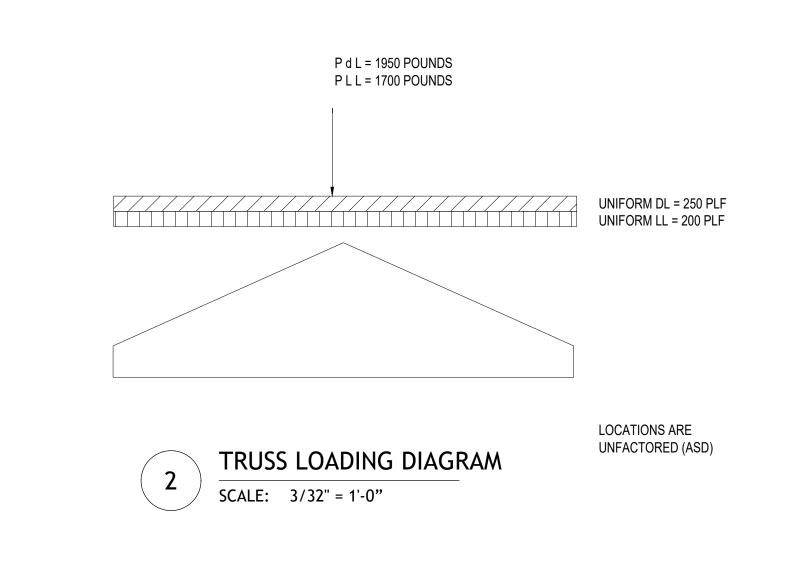




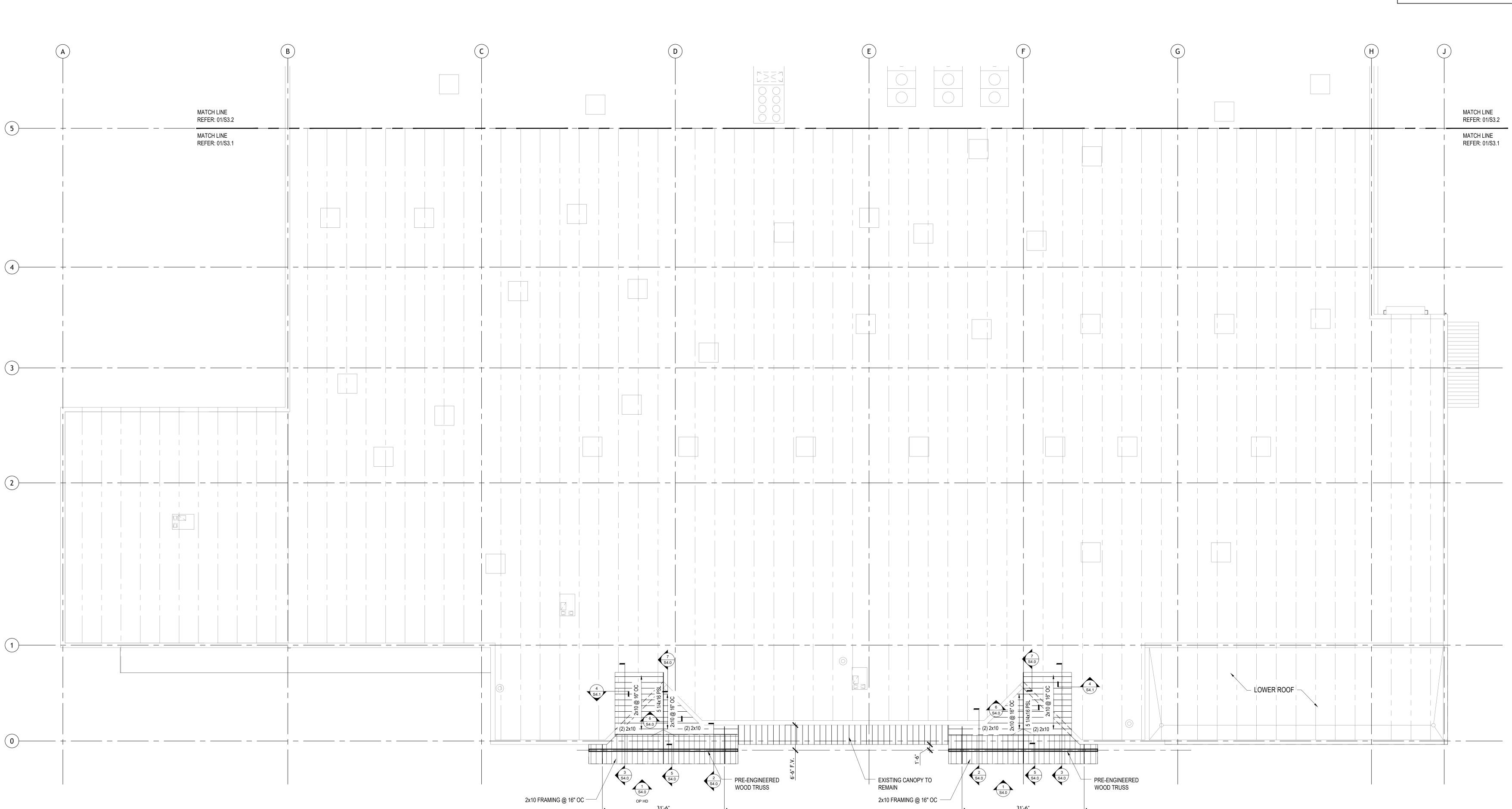


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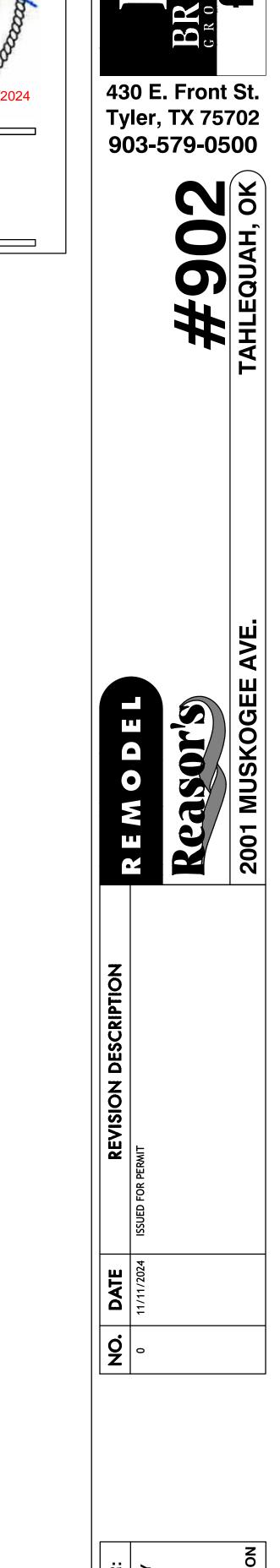












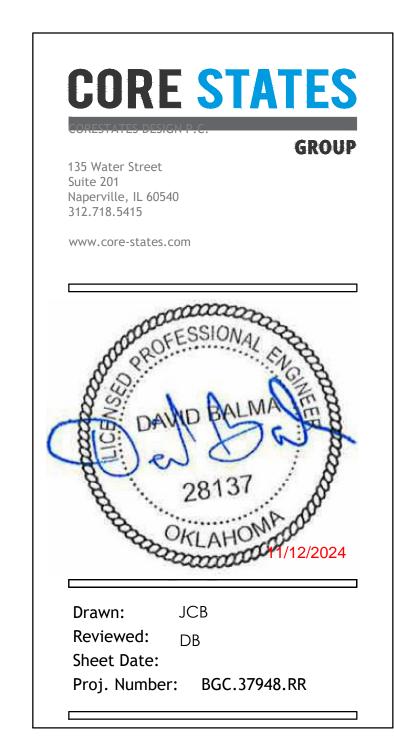
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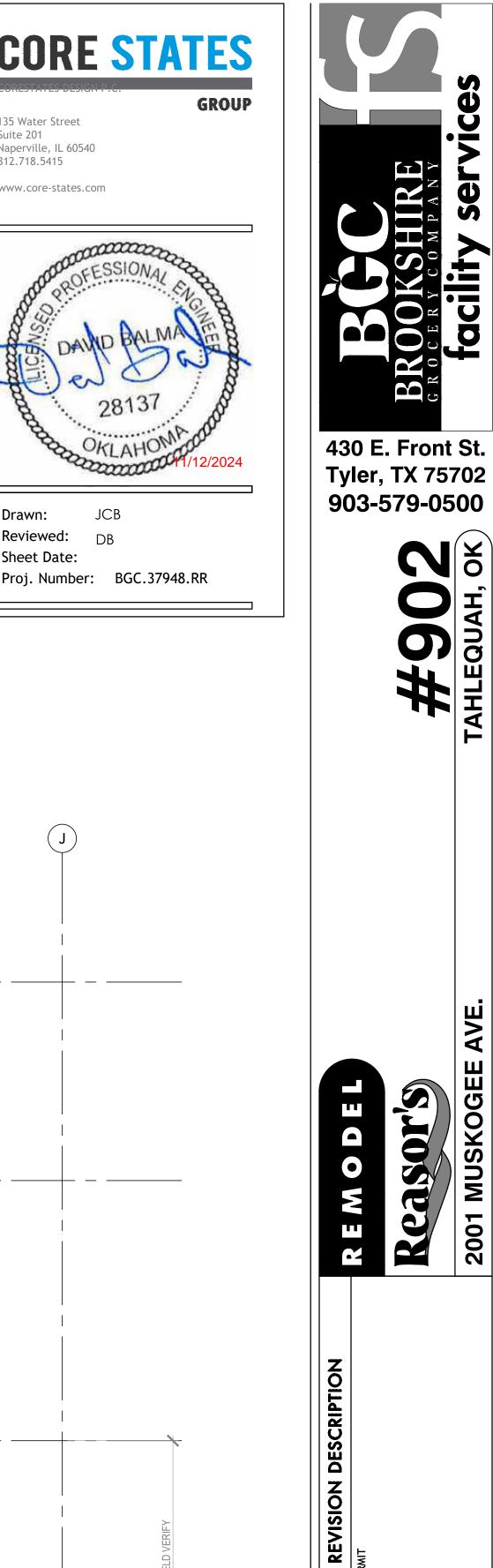
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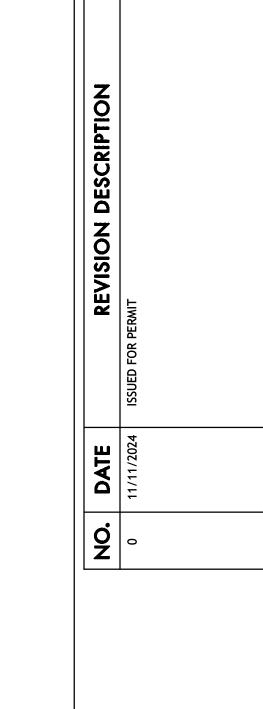
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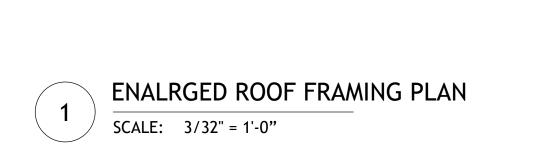


MATCH LINE REFER: 01/S3.2

| MATCH LINE

REFER: 01/S3.1





39'-10" FIELD VERIFY

COORDINATE THE

OF BEAM WITH

LOCATION —

__W16X36

DIMENSION/LOCATION

EQUIPMENT SUPPORT

≥ W16X36 🕨

NOTE: ALL STEEL ABOVE THE ROOF SHALL BE GALVANIZED.
ANY WELDS SHALL BE
CLEANED AND COATED WITH ZINC-RICH PAINT. REPAIR ALL

DAMAGE TO GALVANIZING, IF ANY, AFTER ERECTION IS COMPLETE

RACK "D"

7000 POUNDS

RACK "CL/CM" 8000 POUNDS

[\] COORDINATE THE

OF BEAM WITH **EQUIPMENT SUPPORT**

DIMENSION/LOCATION

GC / FABRICATOR NOTE: PROVIDE MINIMUM 24" CLEAR

ELEVATION (LEVEL).

COORDINATE THE DIMENSION/LOCATION

OF BEAM WITH EQUIPMENT SUPPORT

UNDER NEW STEEL FRAMING TO

EXISTING ROOFING. TOP OF STEEL SHALL BE AT THE SAME

FIELD VERIFY AS REQUIRED.

50'-0" FIELD VERIFY

MATCH LINE REFER: 01/S3.2

MATCH LINE REFER: 01/S3.1

GC / FABRICATOR NOTE: PROVIDE MINIMUM 24" CLEAR

EXISTING ROOFING. TOP OF STEEL SHALL BE AT THE SAME

FIELD VERIFY AS REQUIRED.

EQUAL

COORDINATE THE

OF BEAM WITH

DIMENSION/LOCATION

EQUIPMENT SUPPORT

COORDINATE THE DIMENSION/LOCATION

OF BEAM WITH **EQUIPMENT SUPPORT**

LOCATION

EXISTING MECHANICAL EQUIPMENT

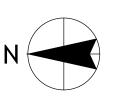
ELEVATION (LEVEL).

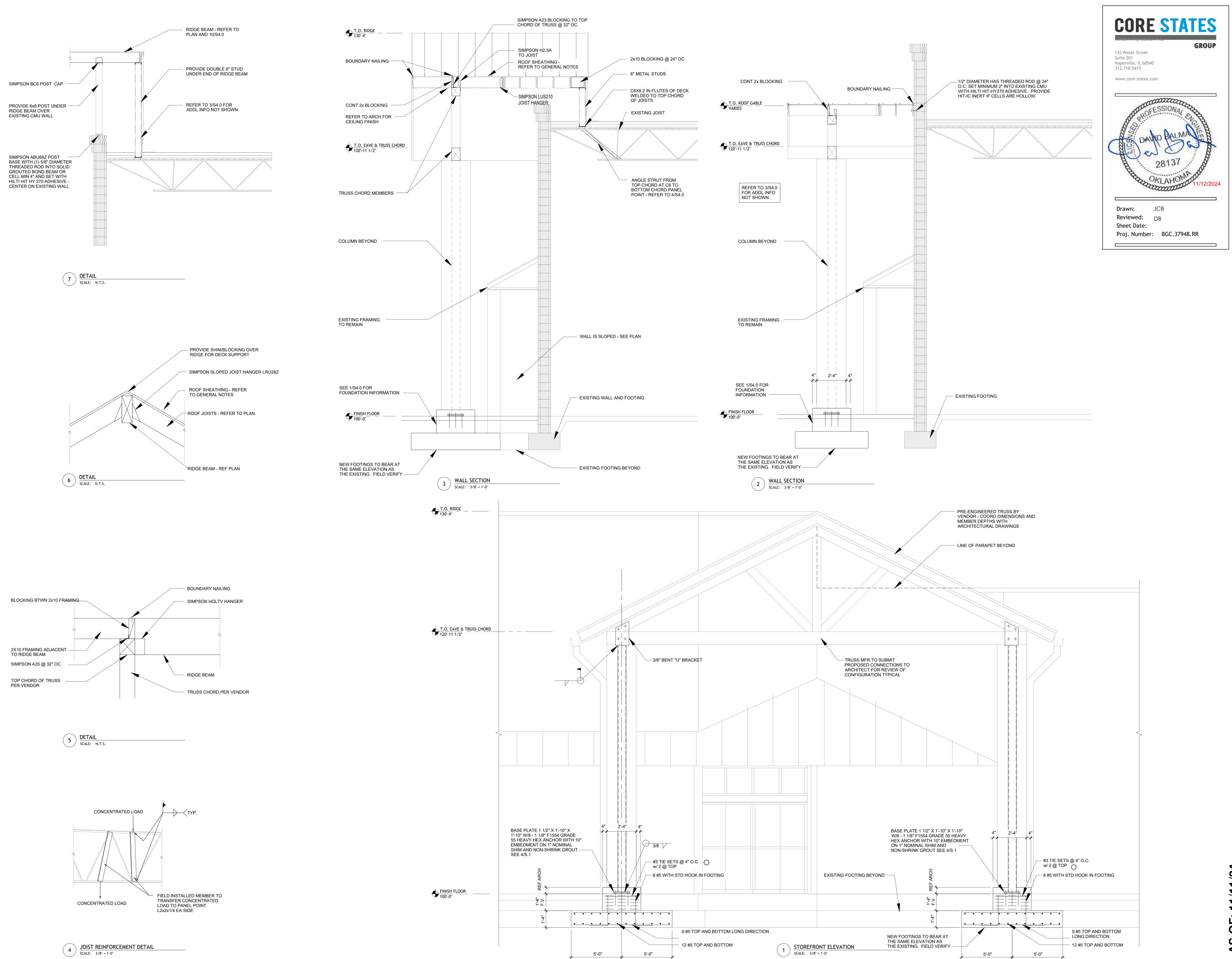
RACK "AL/AM"

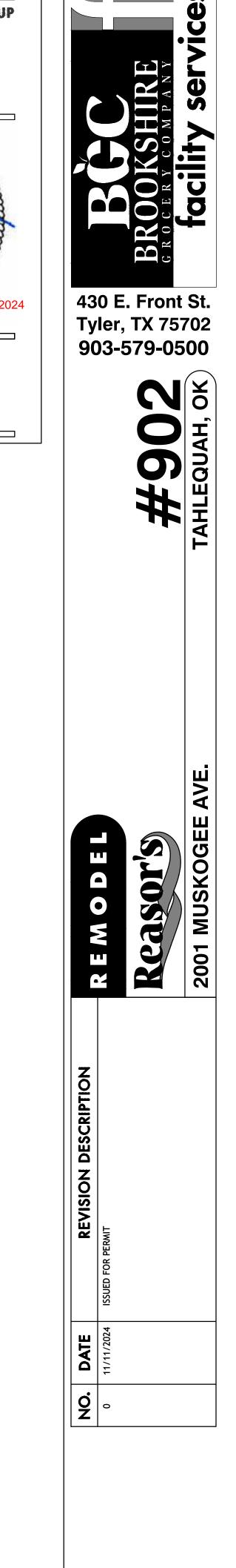
8000 POUNDS

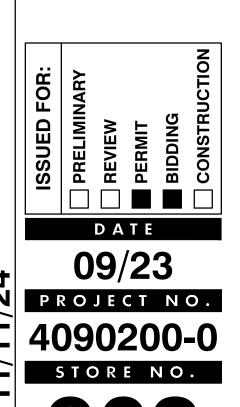
RACK "BL/BM" 8000 POUNDS

UNDER NEW STEEL FRAMING TO

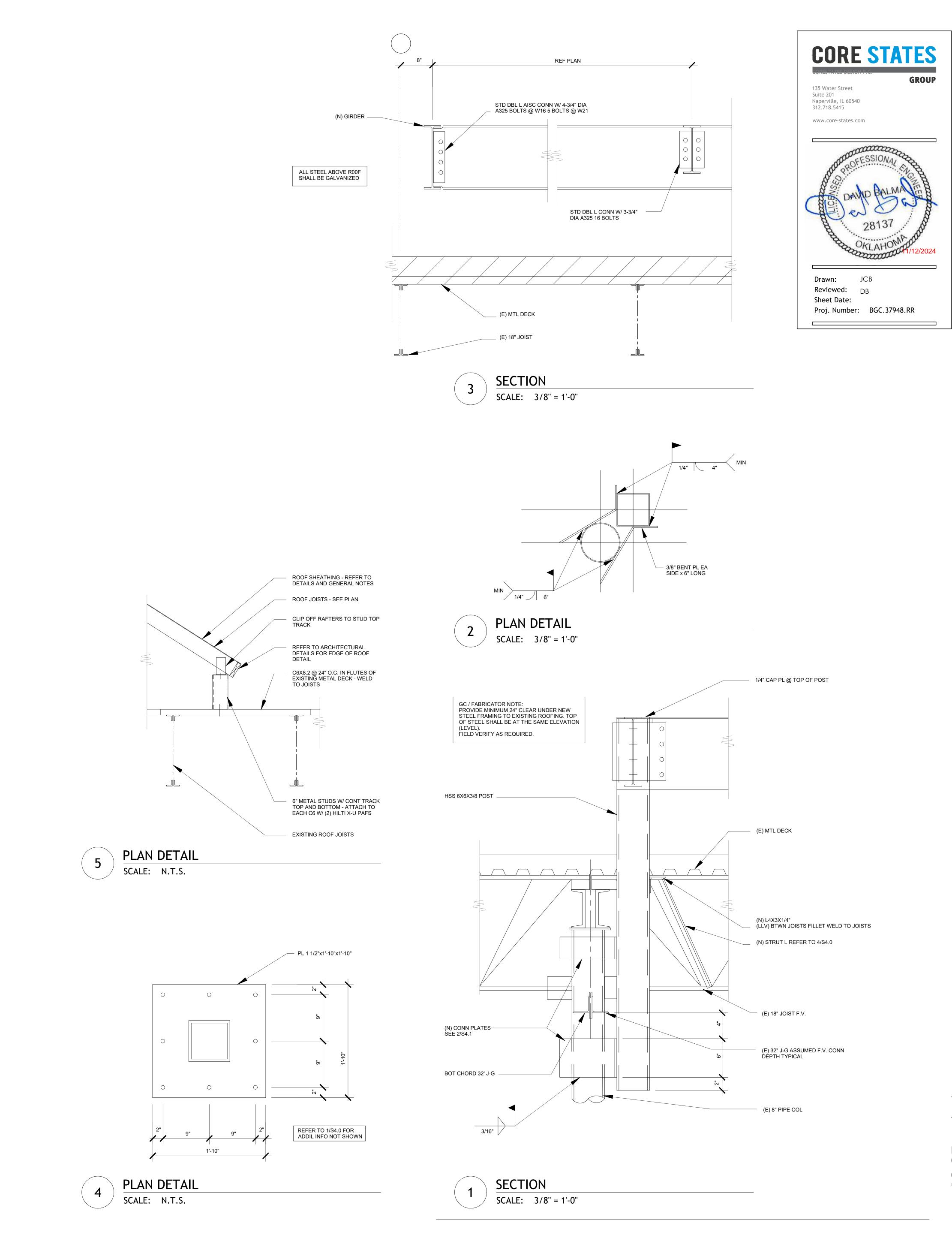








S4 (



BROOKSHIIRE FACILITY SELVICES

430 E. Front St. Tyler, TX 75702 903-579-0500

> #902 PAHLEQUAH, OF

PASOR'S

SSUED FOR PERMIT

NO. DATE REVISION

0 11/11/2024 ISSUED FOR PERMIT

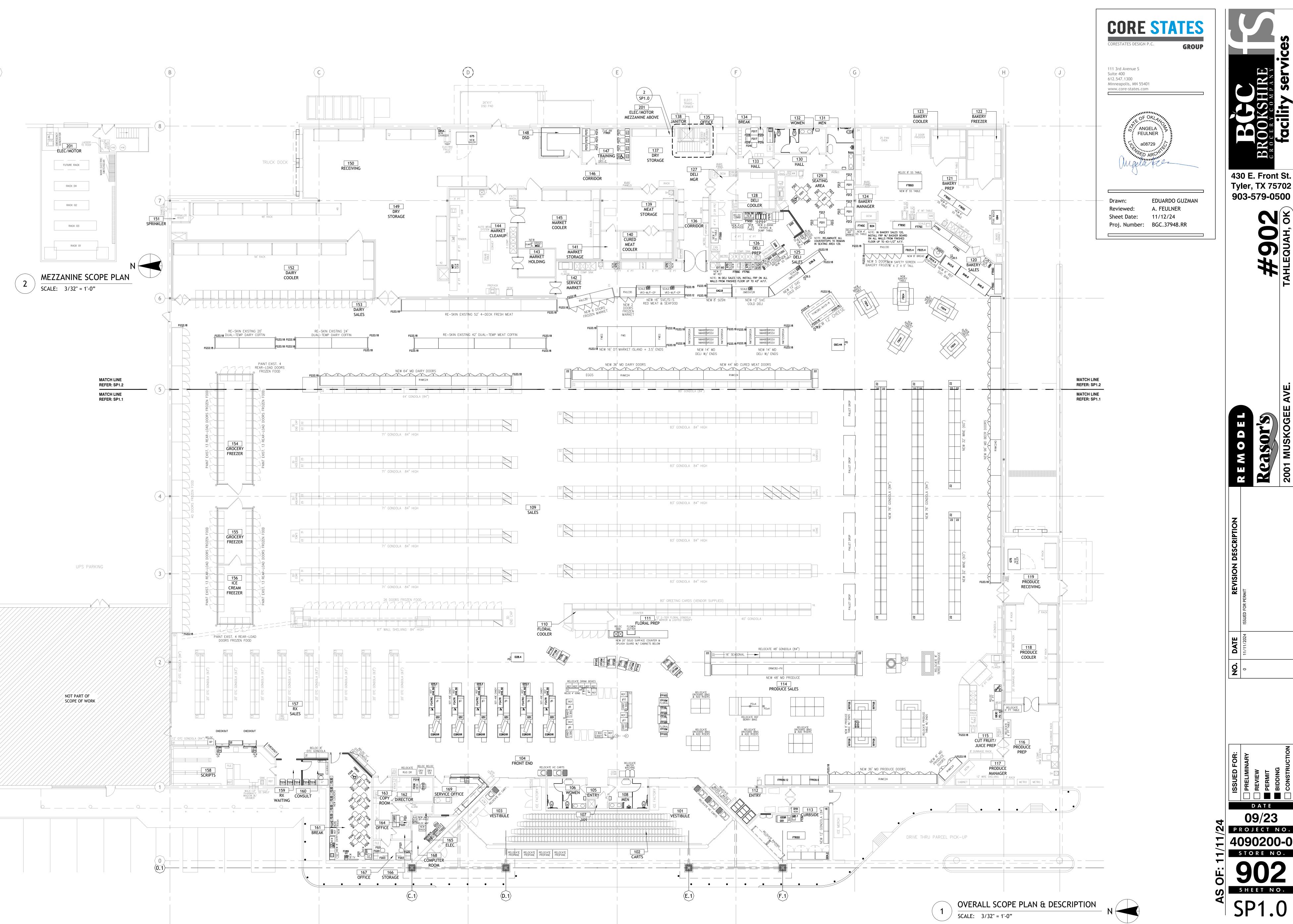
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| PRELIMINARY
| REVIEW
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| BIDDING

09/23
PROJECT NO.
4090200-0
STORE NO.

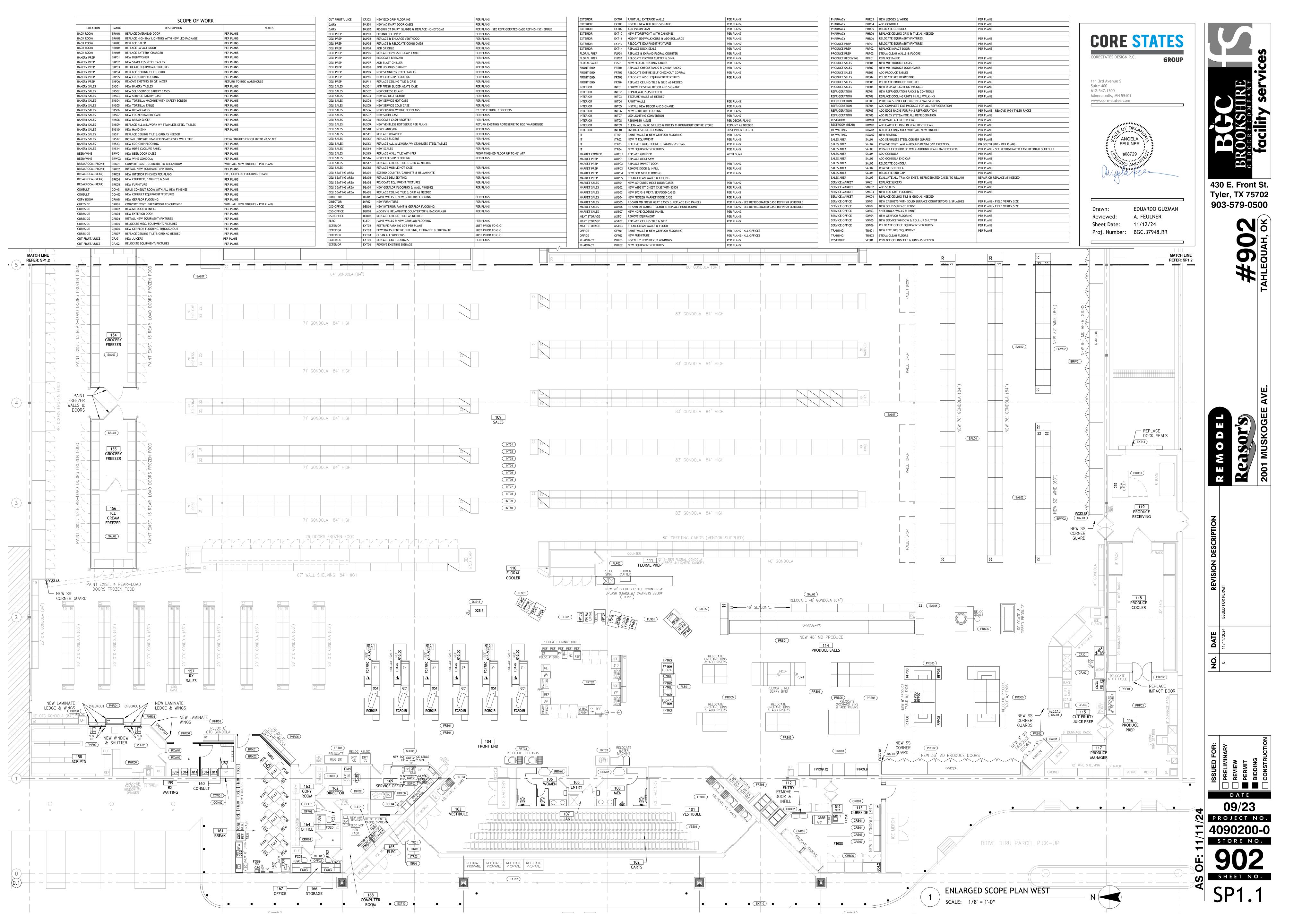
STORE NO SHEET NO

S4.1



Tyler, TX 75702 903-579-0500

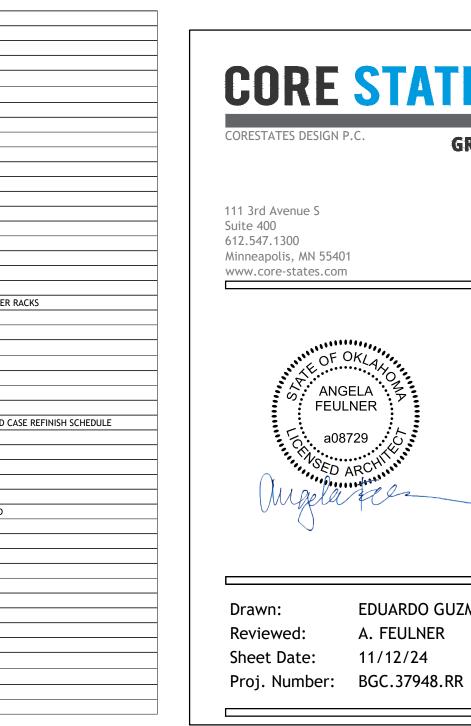
PROJECT NO. 4090200-0 STORE NO.



		SCOPE OF WOR	K	CUT FRUIT/JUICE	CFJ03	NEW ECO GRIP FLOORING	PER PLANS
		JCOIL OI WON	IN.	DAIRY	DAS01	NEW MD DAIRY DOOR CASES	PER PLANS
LOCATION	MARK	DESCRIPTION	NOTES	DAIRY	DAS02	RE-SKIN DT DAIRY ISLANDS & REPLACE HONEYCOMB	PER PLANS - SEE REFRIGERATED CASE REFINISH SCHI
ACK ROOM	BRM01	REPLACE OVERHEAD DOOR	PER PLANS	DELI PREP	DLP01	EXPAND DELI PREP	PER PLANS
ACK ROOM	BRM02	REPLACE HIGH BAY LIGHTING WITH NEW LED PACKAGE	PER PLANS	DELI PREP	DLP02	REPLACE & ENLARGE VENTHOOD	PER PLANS
ACK ROOM	BRM03	REPLACE BALER	PER PLANS	DELI PREP	DLP03	REPLACE & RELOCATE COMBI OVEN	PER PLANS
SACK ROOM	BRM04	REPLACE IMPACT DOOR	PER PLANS	DELI PREP	DLP04	ADD GRIDDLE	PER PLANS
ACK ROOM	BRM05	REPLACE BATTERY CHARGER	PER PLANS	DELI PREP	DLP05	REPLACE FRYERS & DUMP TABLE	PER PLANS
AKERY PREP	BKP01	NEW DISHWASHER	PER PLANS	DELI PREP	DLP06	RELOCATE BREADER	PER PLANS
AKERY PREP	BKP02	NEW STAINLESS STEEL TABLES	PER PLANS	DELI PREP	DLP07	ADD BLAST CHILLER	PER PLANS
AKERY PREP	BKP03	RELOCATE EQUIPMEMT/FIXTURES	PER PLANS	DELI PREP	DLP08	ADD HOLDING CABINET	PER PLANS
AKERY PREP	BKP04	REPLACE CEILING TILE & GRID	PER PLANS	DELI PREP	DLP09	NEW STAINLESS STEEL TABLES	PER PLANS
AKERY PREP	BKP05	NEW ECO GRIP FLOORING	PER PLANS	DELI PREP	DLP10	NEW ECO GRIP FLOORING	PER PLANS
BAKERY PREP	BKP06	REMOVE EXISTING 80 QT. MIXER	RETURN TO BGC WAREHOUSE	DELI PREP	DLP11	REPLACE CEILING TILE & GRID	PER PLANS
AKERY SALES	BKS01	NEW BAKERY TABLES	PER PLANS	DELI SALES	DLS01	ADD FRESH SLICED MEATS CASE	PER PLANS
BAKERY SALES	BKS02	NEW SELF-SERVICE BAKERY CASES	PER PLANS	DELI SALES	DLS02	NEW CHEESE ISLAND	PER PLANS
BAKERY SALES	BKS03	NEW SERVICE BAKERY CASE	PER PLANS	DELI SALES	DLS03	NEW MD DELI ISLANDS	PER PLANS
BAKERY SALES	BKS04	NEW TORTILLA MACHINE WITH SAFETY SCREEN	PER PLANS	DELI SALES	DLS04	NEW SERVICE HOT CASE	PER PLANS
BAKERY SALES	BKS05	NEW TORTILLA TABLE	PER PLANS	DELI SALES	DLS05	NEW SERVICE COLD CASE	PER PLANS
BAKERY SALES	BKS06	NEW BREAD RACKS	PER PLANS	DELI SALES	DLS06	NEW CUSTOM WEDGE PER PLANS	BY STRUCTURAL CONCEPTS
SAKERY SALES	BKS07	NEW FROZEN BAKERY CASE	PER PLANS	DELI SALES	DLS07	NEW SUSHI CASE	PER PLANS
BAKERY SALES	BKS08	NEW BREAD SLICER	PER PLANS	DELI SALES	DLS08	RELOCATE CASH REGISTER	PER PLANS
SAKERY SALES	BKS09	REPLACE ALL MILLWORK W/ STAINLESS STEEL TABLES	PER PLANS	DELI SALES	DLS09	NEW VENTLESS ROTISSERIE PER PLANS	RETURN EXISTING ROTISSERIE TO BGC WAREHOUSE
AKERY SALES	BKS10	NEW HAND SINK	PER PLANS	DELI SALES	DLS10	NEW HAND SINK	PER PLANS
SAKERY SALES	BKS11	REPLACE CEILING TILE & GRID AS NEEDED		DELI SALES	DLS11	REPLACE WRAPPER	PER PLANS
SAKERY SALES	BKS12	INSTALL FRP WITH BACKER BOARD OVER WALL TILE	FROM FINISHED FLOOR UP TO 43.5" AFF	DELI SALES	DLS12	REPLACE SLICERS	PER PLANS
SAKERY SALES	BKS13	NEW ECO GRIP FLOORING	PER PLANS	DELI SALES	DLS13	REPLACE ALL MILLWORK W/ STAINLESS STEEL TABLES	PER PLANS
AKERY SALES	BKS14	NEW HDPE CLOSURE PANEL	PER PLANS	DELI SALES	DLS14	NEW SCALES	PER PLANS
EER/WINE	BRW01	NEW BEER DOOR CASES	PER PLANS	DELI SALES	DLS15	REPLACE WALL TILE WITH FRP	FROM FINISHED FLOOR UP TO 43" AFF
EER/WINE	BRW02	NEW WINE GONDOLA	PER PLANS	DELI SALES	DLS16	NEW ECO GRIP FLOORING	PER PLANS
REAKROOM (FRONT)	BRK01	CONVERT EXIST. CURBSIDE TO BREAKROOM	WITH ALL NEW FINISHES - PER PLANS	DELI SALES	DLS17	REPLACE CEILING TILE & GRID AS NEEDED	
BREAKROOM (FRONT)	BRK02	INSTALL NEW EQUIPMENT/FIXTURES	PER PLANS	DELI SALES	DLS18	REPLACE MOBILE HOT CASE	PER PLANS
BREAKROOM (FRONT)			FRP, GERFLOR FLOORING & BASE	DELI SEATING AREA	DSA01	EXTEND COUNTER/CABINETS & RELAMINATE	PER PLANS
. ,	BRK03	NEW INTERIOR FINISHES PER PLANS		DELI SEATING AREA	DSA02		PER PLANS
REAKROOM (REAR)	BRK04	NEW COUNTER, CABINETS & SINK	PER PLANS	DELI SEATING AREA	DSA03	RELOCATE EQUIPMENT/FIXTURES	PER PLANS
REAKROOM (REAR)	BRK05	NEW FURNITURE	PER PLANS	DELI SEATING AREA	DSA04	NEW GERFLOR FLOORING & WALL FINISHES	PER PLANS
CONSULT	CON01	BUILD CONSULT ROOM WITH ALL NEW FINISHES	PER PLANS	DELI SEATING AREA	DSA05	REPLACE CEILING TILE & GRID AS NEEDED	
CONSULT	CON02	NEW CONSULT EQUIPMENT/FIXTURES	PER PLANS	DIRECTOR	DIR01	PAINT WALLS & NEW GERFLOR FLOORING	PER PLANS
OPY ROOM	CRM01	NEW GERFLOR FLOORING	PER PLANS	DIRECTOR		NEW FURNITURE	PER PLANS
URBSIDE	CRB01	CONVERT EXIST. BREAKROOM TO CURBSIDE	WITH ALL NEW FINISHES - PER PLANS	DSD OFFICE	DSD01		PER PLANS
URBSIDE		REMOVE DOOR & INFILL	PER PLANS	DSD OFFICE		MODIFY & RELAMINATE COUNTERTOP & BACKSPLASH	PER PLANS
URBSIDE	CRB03	NEW EXTERIOR DOOR	PER PLANS	DSD OFFICE	_	REPLACE CEILING TILES AS NEEDED	
URBSIDE	CRB04	INSTALL NEW EQUIPMENT/FIXTURES	PER PLANS	ELEC		PAINT WALLS & NEW GERFLOR FLOORING	PER PLANS
URBSIDE	CRB05	RELOCATE MISC. EQUIPMENT/FIXTURES	PER PLANS	EXTERIOR		RESTRIPE PARKING LOT PER PLANS	JUST PRIOR TO G.O.
URBSIDE	CRB06	NEW GERFLOR FLOORING THROUGHOUT	PER PLANS	EXTERIOR		POWERWASH ENTIRE BUILDING, ENTRANCE & SIDEWALKS	JUST PRIOR TO G.O.
URBSIDE	CRB07	REPLACE CEILING TILE & GRID AD NEEDED	PER PLANS	EXTERIOR		CLEAN ALL WINDOWS	JUST PRIOR TO G.O.
UT FRUIT/JUICE	CFJ01	NEW JUICERS	PER PLANS	EXTERIOR		REPLACE CART CORRALS	PER PLANS
CUT FRUIT/JUICE	CFJ02	RELOCATE EQUIPMENT/FIXTURES	PER PLANS	EXTERIOR	_	REMOVE EXISTING SIGNAGE	I ENT LAND

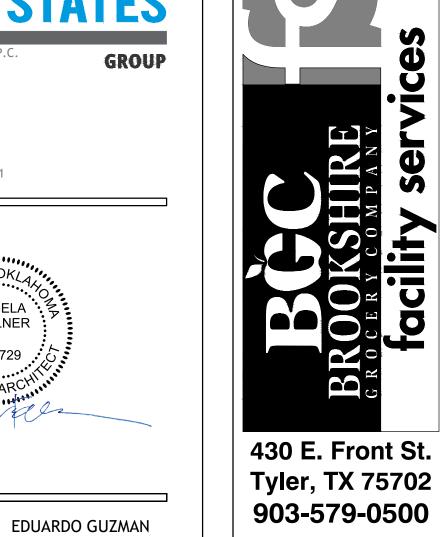
EXTERIOR	EXT07	PAINT ALL EXTERIOR WALLS	PER PLANS
EXTERIOR	EXT08	INSTALL NEW BUILDING SIGNAGE	PER PLANS
EXTERIOR	EXT09	ADD PYLON SIGN	PER PLANS
EXTERIOR	EXT10	NEW STOREFRONT WITH CANOPIES	PER PLANS
EXTERIOR	EXT11	MODIFY SIDEWALK/CURB & ADD BOLLARDS	PER PLANS
EXTERIOR	EXT12	RELOCATE EQUIPMENT/FIXTURES	PER PLANS
EXTERIOR	EXT14	REPLACE DOCK SEALS	PER PLANS
FLORAL PREP	FLP01	REPLACE & EXPAND FLORAL COUNTER	PER PLANS
FLORAL PREP	FLP02	RELOCATE FLOWER CUTTER & SINK	PER PLANS
FLORAL SALES	FLS01	NEW FLORAL NESTING TABLES	PER PLANS
FRONT END	FRT01	REPLACE CHECKSTANDS & CANDY RACKS	PER PLANS
FRONT END	FRT02	RELOCATE ENTIRE SELF-CHECKOUT CORRAL	PER PLANS
FRONT END	FRT03	RELOCATE MISC. EQUIPMENT/FIXTURES	PER PLANS
FRONT END	FRT04	REPLACE CEILING TILE & GRID AS NEEDED	
INTERIOR	INT01	REMOVE EXISTING DECOR AND SIGNAGE	
INTERIOR	INT02	REPAIR WALLS AS NEEDED	
INTERIOR	INT03	TEXTURE WALLS AS NEEDED	
INTERIOR	INT04	PAINT WALLS	PER PLANS
INTERIOR	INT05	INSTALL NEW DECOR AND SIGNAGE	PER PLANS
INTERIOR	INT06	NEW GERFLOR FLOORING	PER PLANS
INTERIOR	INT07	LED LIGHTING CONVERSION	PER PLANS
INTERIOR	INT08	RENUMBER AISLES	PER DECOR PLANS
INTERIOR	INT09	CLEAN ALL HVAC GRILLES & DUCTS THROUGHOUT ENTIRE STORE	REPAINT AS NEEDED
INTERIOR	INT10	OVERALL STORE CLEANING	JUST PRIOR TO G.O.
IT	ITR01	PAINT WALLS & NEW GERFLOR FLOORING	PER PLANS
IT	ITR02	NEW IT EQUIPMENT	PER PLANS
IT	ITR03	RELOCATE MDF, PHONE & PAGING SYSTEMS	PER PLANS
IT	ITR04	NEW EQUIPMENT/FIXTURES	PER PLANS
MARKET COOLER	MKC01	REPLACE GRINDER	WITH DUMP
MARKET PREP	MKP01	REPLACE MEAT SAW	
MARKET PREP	MKP02	REPLACE IMPACT DOOR	PER PLANS
MARKET PREP	MKP03	REMOVE DOOR & INFILL	PER PLANS
MARKET PREP	MKP04	NEW ECO GRIP FLOORING	PER PLANS
MARKET PREP	MKP05	STEAM CLEAN WALLS & CEILING	
MARKET SALES	MKS01	NEW MD CURED MEAT DOOR CASES	PER PLANS
MARKET SALES	MKS02	NEW WIDE DT CHEST CASE WITH ENDS	PER PLANS
MARKET SALES	MKS03	NEW SVC/S-S MEAT/SEAFOOD CASES	PER PLANS
MARKET SALES	MKS04	NEW FROZEN MARKET DOOR CASE	PER PLANS
MARKET SALES	MKS05	RE-SKIN MD FRESH MEAT CASES & REPLACE END PANELS	PER PLANS - SEE REFRIGERATED CASE REFINISH SCHEDULE
MARKET SALES	MKS06	RE-SKIN DT MARKET ISLAND & REPLACE HONEYCOMB	PER PLANS - SEE REFRIGERATED CASE REFINISH SCHEDULE
MARKET SALES	MKS07	NEW HDPE CLOSURE PANEL	PER PLANS
MEAT STORAGE	MST01	REMOVE EQUIPMENT	PER PLANS
MEAT STORAGE	MST02	REPLACE CEILING TILE & GRID	PER PLANS
MEAT STORAGE	MST03	STEAM CLEAN WALLS & FLOOR	
OFFICE	OFF01	PAINT WALLS & NEW GERFLOR FLOORING	PER PLANS - ALL OFFICES
OFFICE	OFF02	NEW FURNITURE	PER PLANS - ALL OFFICES
PHARMACY	PHR01	INSTALL 2 NEW PICKUP WINDOWS	PER PLANS
PHARMACY	PHR02	NEW EQUIPMENT/FIXTURES	PER PLANS

PHARMACY	PHR03	NEW LEDGES & WINGS	PER PLANS
PHARMACY	PHR04	ADD GONDOLA	PER PLANS
PHARMACY	PHR05	RELOCATE GONDOLA	PER PLANS
PHARMACY	PHR06	REPLACE CEILING GRID & TILE AS NEEDED	
PHARMACY	PHR06	RELOCATE EQUIPMENT/FIXTURES	PER PLANS
PRODUCE PREP	PRP01	RELOCATE EQUIPMENT/FIXTURES	PER PLANS
PRODUCE PREP	PRP02	REPLACE IMPACT DOOR	PER PLANS
PRODUCE PREP	PRP03	STEAM CLEAN WALLS & FLOORS	
PRODUCE RECEIVING	PRR01	REPLACE BALER	PER PLANS
PRODUCE SALES	PRS01	NEW MD PRODUCE CASES	PER PLANS
PRODUCE SALES	PRS02	NEW MD PRODUCE DOOR CASES	PER PLANS
PRODUCE SALES	PRS03	ADD PRODUCE TABLES	PER PLANS
PRODUCE SALES	PRS04	RELOCATE REF BERRY BINS	PER PLANS
PRODUCE SALES	PRS05	RELOCATE PRODUCE FIXTURES	PER PLANS
PRODUCE SALES	PRS06	NEW DISPLAY LIGHTING PACKAGE	PER PLANS
REFRIGERATION	REF01	NEW REFRIGERATION RACKS & CONTROLS	PER PLANS
REFRIGERATION	REF02	REPLACE COOLING UNITS IN ALL WALK-INS	PER PLANS
REFRIGERATION	REF03	PERFORM SURVEY OF EXISTING HVAC SYSTEMS	
REFRIGERATION	REF04	ADD COMPLETE EMS PACKAGE FOR ALL REFRIGERATION	PER PLANS
REFRIGERATION	REF05	ADD EDGE RACKS FOR R448 REFRIGERATION	PER PLANS - REMOVE 1994 TYLER RACKS
REFRIGERATION	REF06	ADD RLDS SYSTEM FOR ALL REFRIGERATION	PER PLANS
RESTROOM	RRM01	RENOVATE ALL RESTROOMS	PER PLANS
RESTROOM (REAR)	RRM02	ADD HARD CEILINGS IN REAR RESTROOMS	PER PLANS
RX WAITING	RXW01	BUILD SEATING AREA WITH ALL NEW FINISHES	PER PLANS
RX WAITING	RXW02	NEW SEATING	PER PLANS
SALES AREA	SAL01	ADD STAINLESS STEEL CORNER GUARDS	PER PLANS
SALES AREA	SAL02	REMOVE EXIST. WALK-AROUND REAR-LOAD FREEZERS	ON SOUTH SIDE - PER PLANS
SALES AREA	SAL03	REPAINT EXTERIOR OF WALK-AROUND REAR-LOAD FREEZERS	PER PLANS - SEE REFRIGERATED CASE REFINISH SCHEDULE
SALES AREA	SAL04	ADD GONDOLA	PER PLANS
SALES AREA	SAL05	ADD GONDOLA END CAP	PER PLANS
SALES AREA	SAL06	RELOCATE GONDOLA	PER PLANS
SALES AREA	SAL07	REMOVE GONDOLA	PER PLANS
SALES AREA	SAL08	RELOCATE END CAP	PER PLANS
SALES AREA	SAL09	EVALUATE ALL TRIM ON EXIST. REFRIGERATED CASES TO REMAIN	REPAIR OR REPLACE AS NEEDED
SERVICE MARKET	SMK01	REPLACE SLICERS	PER PLANS
SERVICE MARKET	SMK02	ADD SCALES	PER PLANS
SERVICE MARKET	SMK03	NEW ECO GRIP FLOORING	PER PLANS
SERVICE MARKET	SMK04	REPLACE CEILING TILE & GRID AS NEEDED	, care care
SERVICE OFFICE	SOF01	NEW CABINETS WITH SOLID SURFACE COUNTERTOPS & SPLASHES	PER PLANS - FIELD VERIFY SIZE
SERVICE OFFICE	SOF02	NEW SOLID SURFACE LEDGE	PER PLANS - FIELD VERIFY SIZE
SERVICE OFFICE	SOF03	SHEETROCK WALLS & PAINT	PER PLANS PER PLANS
SERVICE OFFICE	SOF04	NEW GERFLOR FLOORING	PER PLANS
SERVICE OFFICE	SOF05	NEW SERVICE WINDOW & ROLL-UP SHUTTER	PER PLANS
SERVICE OFFICE	SOF06	RELOCATE OFFICE EQUIPMENT/FIXTURES	PER PLANS
		-	
TRAINING	TRN01	NEW FIXTURES/EQUIPMENT	PER PLANS
TRAINING	TRN02	STEAM CLEAN FLOORS	
VESTIBULE	VES01	REPLACE CEILING TILE & GRID AS NEEDED	

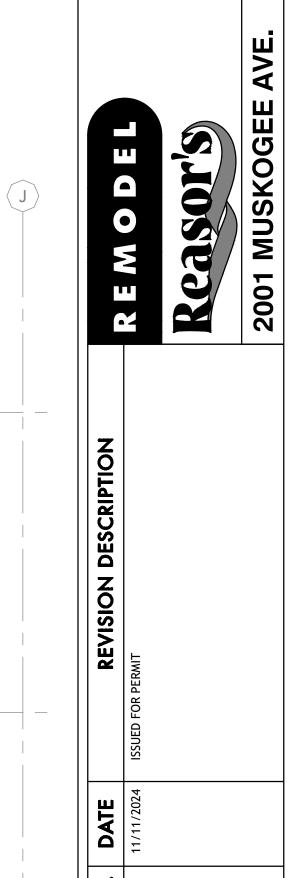


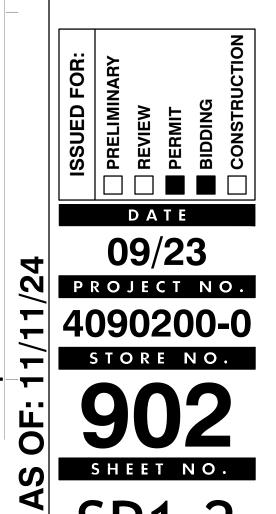
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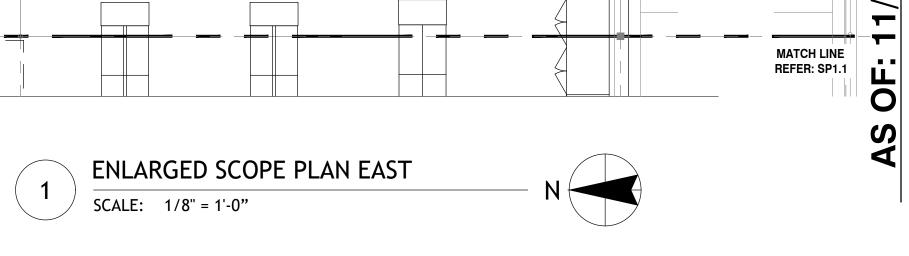
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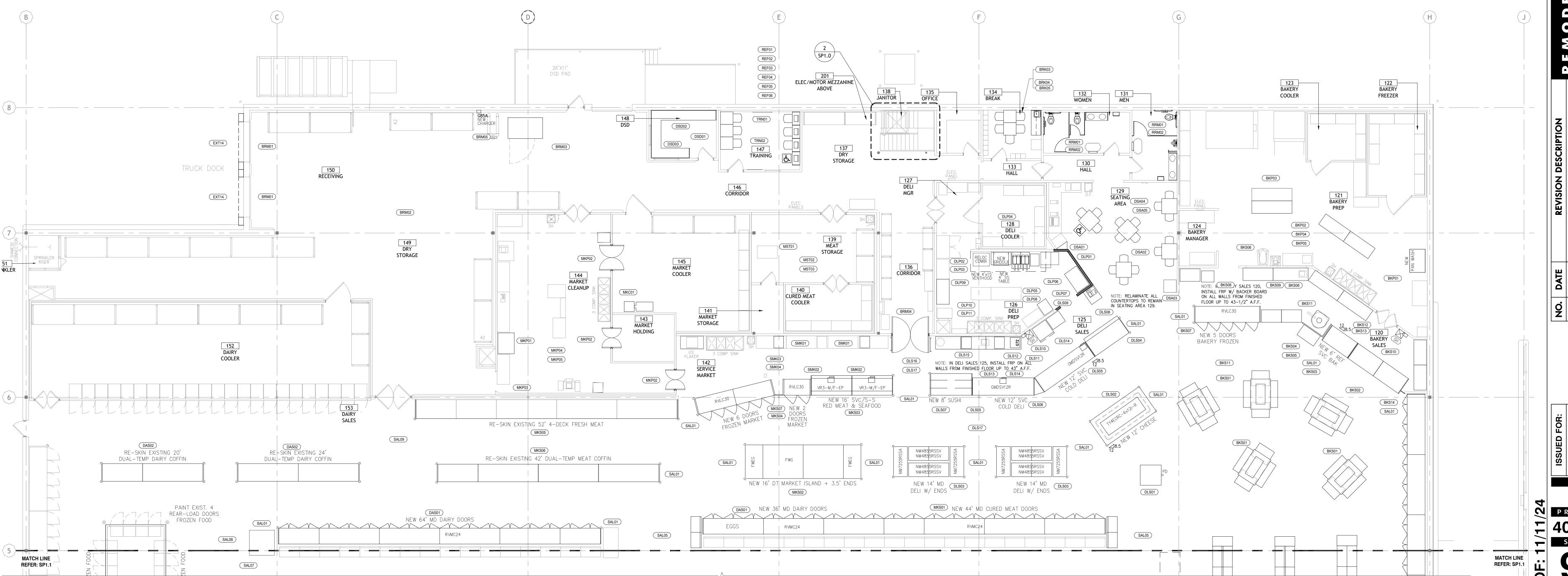












RESPO Division 1 - General Requirements All design trades Refrigeration design Testing lab fees Testing lab coordination Asbestos Testing & Abatement Building permit All other required permits City required inspections Fire marshal inspections TDLR/ADA Inspections Health department inspections All utility fees Dumpsters Temporary toilets Screening requirements Division 2 - Sitework All sitework Division 3 - Concrete All concrete Division 4 - Masonry All masonry	Responsible Party BGC BGC BGC General Contractor Both BGC General Contractor General Contractor General Contractor	BGC will select testing lab and notify them of project GC responsible for scheduling and ensuring all required testing is completed BGC shall provide the GC an asbestos report prior to the project kickoff. It will be the GC's responsibility to review the project and the scope of work to determine if any abatement will be required. GC needs to give BGC at least a month's notice before any abatement is required to allow BGC enough time to get it scheduled. BGC will hire and pay for all asbestos abatement, however GC is responsible for coordination of the work. GC to inquire what is required with the governing city GC to have CO & BGC RC to have all refrigeration running-BGC will schedule Interior screening: If work will be ongoing in one area that requires the space be screened off from customers & partners the General Contractor will need to provide a barrier to both screen the area from view but also to help with dust and debris control. This will need to be either black or white poly plastic sheeting securely anchored across the top and bottom with an access point that may be zipped closed. When workers are not present onsite it will be General Contractor's responsibility to ensure this access point is zipped closed so a customer or partner cannot just walk-in to access the space. Exterior screening: This screening will be required around the contractor staging areas, all materials that are being stored onsite, and finally around exterior work areas where it is needed to both block the area from view and keep customers/partners out of the area for safety concerns. This will need to be chain link fencing panels, including wind screen, with sand bags holding the fencing in place. These areas shall have a single access point that can be locked with .
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All sitework Division 3 - Concrete All concrete Division 4 - Masonry		concerns. This will need to be chain link fencing panels, including wind screen, with sand bags
All sitework Division 3 - Concrete All concrete Division 4 - Masonry		holding the fencing in place. These areas shall have a single access point that can be locked with
All sitework Division 3 - Concrete All concrete Division 4 - Masonry		chain and padlock nightly. It will be the General Contractor's responsibility to ensure the space
Division 3 - Concrete All concrete Division 4 - Masonry		locked every night. BGC's superintendent will have the final acceptance of all screenings.
All concrete Division 4 - Masonry	General Contractor	
Division 4 - Masonry	General Contractor	
All maconry	deficial contractor	
·	General Contractor	
Division 5 - Metals All metals	General Contractor	
Cleanout & Pit Metal Trim following flooring Installation	General Contractor	***See required vendor notes below***
Division 6 - Woods & Plastics		***All mailters also are a consequent about a property of the force and in the lighting about
All woods & plastics	General Contractor	***All millwork must have approved shop drawings before any installations take place***
Division 7 - Thermal & Moisture Protection		
All thermal & moisture protection All hoods, pitch pans & curbs (not in submittals)	General Contractor General Contractor	Furnish & Install
Division 8 - Doors & Windows		
Doors, frames, and hardware	General Contractor	This includes automatic doors. ***See required vendor notes below***
Glazing Storefronts/curtain walls	General Contractor General Contractor	
Coiling/rolling/overhead or sim. doors/shutters	General Contractor	This included dock doors. *** See required vender notes below***
Division 9 - Finishes		All Conflor on Cooling (if amplicable) to be much and by BCC. CC to making
All Finishes	General Contractor	All Gerflor or GeckroGrip (if applicable) to be purchased by BGC. GC to receive, unload, store, and install. GC to include unloading gondola shelving and moving of fixtures to allow for flooring installation.
Division 10 - Specialties		
Interior décor Exterior signage	Both General Contractor	BGC will furnish & install. GC to coordinate installation. ***See acceptable vendor notes below***
Fire extinguishers & cabinets	General Contractor	***See required vendor notes below***
McCue Rail	Both	Furnished by BGC, installed by GC
Paper towel, toilet paper, soap & hand sanitizer dispensers All other specialties	Both General Contractor	Furnished to jobsite by BGC, installed by GC
Division11 - Equipment	Responsible Party	Notes
		All walk-in cooler/freezers (including lighting) will be provided and installed by BGC refrigeration contractor. GC will have electrical connections, insulated slabs, and any
/alk-in cooler/freezer wall, ceiling, or floor panels, coils, & light fixtures	Both	other items necessary to complete installation. BGC to provide fan coils for walk-installation and prep rooms if new racks are in the project scope. BGC Contractor to furnish far
TIMEST CS		coils if racks are not being replaced. BGC contractor shall furnish all valves (manual electric or electronic) as required.
		All refrigerated cases will be furnished by BGC and installed by BGC refrigeration
Refrigerated cases	Both	contractor. Electrical connections by GC. BGC will provide case installation schedule that is to be incorporated into the GC's schedule and supported by the GC as
		required. BGC Contractor to furnish / Install all EMS Hardware (if project includes new
EMS Hardware	Both	refrigeration rack's EMS hardware to be furnished by rack manufacturer).
Stainless steel tables with sinks	GC	Final connections by GC. BGC will furnish all equipment. All items will be shipped directly to store where GC
ather aguinment is abadistands CC tables baliami/dali/market		will unload, store if needed, and install as per schedule. Any MEP connections
other equipment i.e. checkstands, SS tables, bakery/deli/market quipments, scales, POS, gondolas, racking, carts, display tables,	Both	required will be by GC. Any existing fixtures (gondola, display tables, etc.) that need to be relocated or removed will be unloaded by the store but the actual
candy racks, pharmacy items MHE, etc.		relocation/removal/etc. is to be by GC. All racking shall be wedge anchored to the floor and all cross members & wire grid shall be bolted. Verify cross member
		locations with store management prior to bolting. ***See Re-Skinning Schedule on Plans***
Case Reskinning	GC	***See required vendor notes below***
Glass Door Case Retrofit	BGC	By refrigeration contractor - ***See required vendor notes below*** For all bakery/deli/market equipment GC is to receive/store equipment and install with all
		required MEP connections when project is ready for installation. GC is to notify BGC's superintendent at least 48 hours in advance of when the new equipment will be ready for BGC to
Bakery/Deli/Market equipment start-up	Both	complete the startup of the equipment. BGC's superintendent will notify the maintenance supervisor for the store who will then coordinate the startup with the necessary vendor. Please
		also note no existing in place equipment is to be disconnected or removed until the replacement piece of equipment is onsite. All removed equipment must be palletized for BGC to return on
		their scheduled clean outs back to equipment warehouse. GC to bleed any gas lines that required work or connection to any new equipment
Gas Line Bleeding	GC	prior to equipment startup.
Refrigerated Case LED Retrofit	GC	For all refrigerated cases that are not being replaced, and do not currently have LED lighting the lighting within the case is to be replaced with new LED lights. ***See required yendor notes below ***
Dock Levelers, Seals & Bumpers	GC	required vendor notes below*** *** See required vender notes below***
Division 12 - Furnishings		
All furnishings	Both	BGC to procure all furnishings/fixtures. All items will be shipped to the store and are to be received, stored, and installed by GC. GC will also be required to complete final
Division 13 - Special Construction		MEP connections to any items that may require them.
All special construction	General Contractor	
Division 14- Conveying Systems	0 15	
All conveying systems Division 15 - Mechanical	General Contractor	
		BGC will furnish unit & opening dimensional information for GC use in coordination of install. Units delivered to site to be unloaded, set in place, and all connections
1	Both	made by GC. Startup by general contractor verification of sequence of operations by manufacturer. (Units 20 tons & higher purchased by BGC / Units less than 20 tons

Environmental package units misc items	General Contractor	Includes curbs (except for BGC supplied units), ductwork, condensate drain lines, thermostats, sensors and thermostat control wiring including termination at CPC control panel. MODBUS and RS485 network cabling included where applicable. Coordinate termination with RC/EMS.
All other HVAC (equipment & scope)	General Contractor	Note termination of control wiring at CPC will be by GC.
Refrigeration condensers or racks	BGC	Any steel supports or electrical needs for these items will be by GC.
All case/condenser/rack EMS/ CPC cabling	BGC	Note will be furnished, installed and terminated by BGC refrigeration contractor.
RLDS	BGC	RLDS equipment will be furnished and installed by BGC refrigeration contractor.
Plumbing	General Contractor	GC to have all sanitary sewer and grease waste lines jetted within one week of re-grand opening.
Produce case misting systems	BGC	GC to provide plumbing connection for misting system. BGC refrigeration contracto to notify BGC when cases are ready for system to be installed.
Fire protection	General Contractor	
Hoods	General Contractor	
Fire suppression systems	General Contractor	***See required vendor notes below***
Test & Balance	General Contractor	***See required vendor notes below***
		ed to cutting, patching, and sealing of any wall/floor penetrations, refrigerated pits, pred for the refrigeration scope of work as well.***
Division 16 - Electrical	Responsible Party	Notes
Overall electrical scope	General Contractor	***See required vendor notes below an electrical contractor from the list of 7 below must be used***
Light fixtures (interior & exterior) - Tx & La locations	Both	Furnished to jobsite by BGC. Unloaded, store, and installed by GC.
Light fixtures (interior & exterior) - Ar locations	Both	GC will have to contract with Negawatt. See required vendors list.
Parking lot light poles	Both	Furnished to jobsite by BGC. Unloaded, store, and installed by GC.
Emergency genertors, transfer switches, docking stations	Both	Furnished to jobsite by BGC. Unloaded, store, and installed by GC.
UPS (if applicable)	Both	Furnished to jobsite by BGC. Unloaded, store, and installed by GC.
Power poles	General Contractor	
Telephone systems	BGC	
Camera systems	BGC	
Fire alarm systems	General Contractor	
EAS systems	BGC	
Security systems	BGC	
Lighting controls	BGC	
All other IT systems	BGC	
Automotio Entropo	REQUIRED VENDO	
	·	Inc Danny Brockway - (888)-833-7857
		of Tyler - Ken Townsend - (903)-561-3483
		rican Fire Protection - Jason Hathcock - (903)-574-0129
		gawatt - Jay Morris (806)-778-7569
	ed Case Reskinning - TNT Indus	· · ·
	1) Otrotit I i i como e in in IV e time e i i i	ion David Dannay (214) 979-2974
Glass Door Case		ion - David Denney (214)-878-3874
Glass Door Case Refrigerated Case LED Lig		t Lighting - Steve Panapinto (318)-347-0001
Glass Door Case Refrigerated Case LED Lig	ghting Retrofit - Energy Efficien	t Lighting - Steve Panapinto (318)-347-0001 lim Oxner (318)-458-3172
Glass Door Case Refrigerated Case LED Lig Test &	ghting Retrofit - Energy Efficien Balance - Oxner Engineering	t Lighting - Steve Panapinto (318)-347-0001 Jim Oxner (318)-458-3172 ORS LIST
Glass Door Case Refrigerated Case LED Lig Test & Exterior	ghting Retrofit - Energy Efficien Balance - Oxner Engineering ACCEPTABLE VENDO	t Lighting - Steve Panapinto (318)-347-0001 Jim Oxner (318)-458-3172 ORS LIST Paul Ingle - (903)-521-2136
Glass Door Case Refrigerated Case LED Lig Test & Exterior Exterior Si	ghting Retrofit - Energy Efficien Balance - Oxner Engineering ACCEPTABLE VENDO Signage - Design Center Signs -	t Lighting - Steve Panapinto (318)-347-0001 DRS LIST Paul Ingle - (903)-521-2136 Greg Turner - (817)-789-2351
Glass Door Case Refrigerated Case LED Lig Test & Exterior Exterior Si	ghting Retrofit - Energy Efficien Balance - Oxner Engineering ACCEPTABLE VENDO Signage - Design Center Signs - ignage - Turner Sign Systems - Or Signage - AAA Signs, Inc Gar	t Lighting - Steve Panapinto (318)-347-0001 Jim Oxner (318)-458-3172 ORS LIST Paul Ingle - (903)-521-2136 Greg Turner - (817)-789-2351
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EDUARDO GUZMAN A. FEULNER Sheet Date: 11/12/24 Proj. Number: BGC.37948.RR



430 E. Front St. Tyler, TX 75702 903-579-0500

AS OF: 11/11/24

SHEELIMINARY

SHEEL NO.

CONSTRUCTION

ASSUED FOR:

SHEEL NO.

CONSTRUCTION



STORE #902 2001 S. MUSKOGEE AVE. TAHLEQUAH, OK 74464

PERMIT SET - 11/11/2024

CORE STATES INC.

CORE STATES INC.

CORE STATES INC.

TAMPA, FL 33602

111 S. CHEROKEE

SIGN PACKAGE

FIRE SUPPRESSION SYSTEM 4. SOUND SYSTEM

FIRE ALARM SYSTEM

PHONE: 813.319.8743

212 SE 34TH ST. SUITE 2

BENTONVILLE, AR 72712

CONTACT: ZACHARY ARCHER

EMAIL: zarcher@core-states.com

ELECTRICAL ENGINEER

110 N. 11TH ST. SUITE 101

ENGINEER OF RECORD: DAVID LEIFFER

PHONE: 479.877.3407

10 N. HIGH ST. SUITE. 310

WEST CHESTER, PA 19380

PHONE: 215.809.2125

CONTACT: DAVID BALMA

PHONE: dbalma@core-states.com

ENGINEER OF RECORD: DAVID BALMA

MECHANICAL ENGINEER

SITE MAP **BUILDING LOCATION** Chili's Grill & Bar E 776 Rd Pamela St Valmart Supercenter Kelly St Burger King Rayne St Jeffrey St EMAIL: afeulner@core-states.com Fish's Bar B Que EMAIL: afeulner@core-states.com E Ballentine Rd Jimmy's Egg - Tahlequah Cherokee Springs Golf Club

PROJECT DIRECTORY

OWNER BROOKSHIRE'S FACILITY SERVICES, DIVISION OF BROOKSHIRE GROCERY COMPANY 430 E. FRONT ST. TYLER, TX 75702 PHONE: 903.579.0500

BGC PROJECT MANAGER BROOKSHIRE'S FACILITY SERVICES, DIVISION OF BROOKSHIRE GROCERY COMPANY 430 E. FRONT ST. TYLER, TX 75702 CONTACT: JEFF GRAY PHONE: 318.450.8066 EMAIL: JEFFGRAY@BROOKSHIRES.COM

PROJECT CONTACT CORE STATES INC. 111 3RD AVENUE SOUTH, STE 400 MINNEAPOLIS, MN 55411 PHONE: 612.547.1352 CONTACT: ANGIE FEULNER

ARCHITECT CORE STATES INC. 111 3RD AVENUE SOUTH, STE 400 MINNEAPOLIS, MN 55411 PHONE: 612.547.1352 CONTACT: ANGIE FEULNER

STRUCTURAL ENGINEER

EXISTING REASOR'S GROCERY STORE REMODEL. SCOPE INCLUDES DEMOLITION AND REPLACING WITH NEW FIXTURES, NEW FINISHES, NEW EQUIPMENT AND NEW LIGHTING. NEW STOREFRONT EXTERIOR. NO STRUCTURAL CHANGES EXCEPT STOREFRONT (NOT CHANGING SQUARE FOOTAGE OF

EXISTING/ PROPOSED

M (MERCANTILE)

EXG - SPRINKLED

S (STORAGE)

N/A

N/A

II-B

CODE SUMMARY

APPLICABLE CODES 2018 INTERNATIONAL BUILDING CODE w/ LOCAL AMENDMENTS 2020 NATIONAL ELECTRICAL CODE 2018 INTERNATIONAL MECHANICAL CODE w/ LOCAL AMENDMENTS 2018 INTERNATIONAL PLUMBING CODE w/ LOCAL AMENDMENTS 2009 INTERNATIONAL ENERGY CONSERVATION CODE w/ LOCAL AMENDMENTS

2018 INTERNATIONAL FUEL GAS CODE w/ LOCAL AMENDMENTS

PROJECT DESCRIPTION

2009 A117.1 ACCESSIBILTY STANDARD 2018 INTERNATIONAL FIRE CODE w/ LOCAL AMENDMENTS **BUILDING DATA**

DESCRIPTION

USE GROUP:

CONTACT: KENT CRAIG EMAIL: kcraig@core-states.com ENGINEER OF RECORD: JOHN FERGUSON CITY OF TAHLEQUAH

ACCESSORY USES: TAHLEQUAH, OK 74464 MIXED USES: PLANNING AND DEVELOPMENT DIRECTOR: 918.525.4712 INCIDENTAL USES: FIRE MARSHALL: 918.456.2424 CODE COMPLIANCE OFFICER: 918.525.4715 CONSTRUCTION TYPE: BUILDING INSPECTOR: 918.525.4714 SPRINKLER SYSTEM:



OCCUPANCY LOAD TABLE 1004.5: SF / OCC. LOAD FACTOR GROUND FLOOR RETAIL SALES: 48070/60 TRAINING: 224/15 BREAKROOM: 473/15 KITCHEN/FOOD PREP: 4837/200 OFFICE: 1531/100 STOCKROOMS: 9692/300

TOTAL OCCUPANCY LOAD:

67810 SQ.FT.

RESTROOM CALCULATIONS
OCCUPANT LOAD FACTOR

OCCUPANT LOAD FACTOR	919 TOT	TAL OCCUPANTS $/ 2 = 4$	460 MALE & 460 FEMA	LE			
		MALE			FEMALE		
	RATIO	REQUIRED	PROVIDED	RATIO	REQUIRED	PROVIDED	
LAVATORY	1:750	2	4	1:750	2	4	
WATER CLOSETS	1:500	2	2	1:500	2	4	
URINAL	50% of WC	1	2	N/A	N/A	N/A	
DRINKING FOUNTAIN	1.1000	1	4	CEE "AAALE"	CEE "AA A LE"	CEE "AAALE"	

OCCUPANCY LOAD

919

CORESTATES DESIGN P.C. 111 3rd Avenue S Suite 400 612.547.1300 Minneapolis, MN 55401 ANGELA EDUARDO GUZMAN

ISSUE O

DRAWINGS LIST

Sheet Number Sheet Title

COVER SHEET

ACCESSIBILITY DETAILS

RESPONSIBILITY MATRIX

ENLARGED CURB PLANS

OVERALL FIXTURE PLAN

FLOOR DEMOLITION PLAN

OVERALL FLOOR PLAN

ENLARGED FLOOR PLAN

ENLARGED FLOOR PLAN

OVERALL FLOOR FINISH PLAN

ENLARGED FLOOR FINISH PLAN ENLARGED FLOOR FINISH PLAN DOOR & WINDOW SCHEDULE

WALL TYPES & FINISH SCHEDULE

INTERIOR ELEVATIONS WALL FINISHES

INTERIOR ELEVATIONS **EXTERIOR ELEVATIONS**

WALL SECTIONS SECTION DETAILS

PIT DRAIN PLAN

PIT DRAIN PLAN DETAILS CEILING DEMOLITION PLAN

OVERALL REFLECTED CEILING PLAN ENLARGED REFLECTED CEILING PLAN ENLARGED REFLECTED CEILING PLAN

INTERIOR DECOR ELEVATIONS

GENERAL STRUCTURAL NOTES STRUCTURAL SPECIAL INSPECTIONS

ENLARGED FOUNDATION PLAN

ENLARGED FOUNDATION PLAN ENLARGED ROOF FRAMING PLAN

ENALRGED ROOF FRAMING PLAN

SECTIONS AND DETAILS

SECTIONS AND DETAILS

OVERALL MECHANICAL PLAN

ENLARGED MECHANICAL PLAN

ENLARGED MECHANICAL PLAN

MECHANICAL SCHEDULES

OVERALL PLUMBING PLAN

ENLARGED PLUMBING PLANS

ENLARGED PLUMBING PLAN

MECHANICAL SCHEDULES AND DETAILS

MECHANICAL SCHEDULES AND DETAILS

ENLARGED DELI DOMESTIC SEWER PLAN

PLUMBING SCHEDULES AND DETAILS

PLUMBING SCHEDULES AND DETAILS

ELECTRICAL SYMBOLS LEGEND

OVERALL LIGHTING PLAN

OVERALL LIGHTING PLAN A

OVERALL LIGHTING PLAN

ENLARGED LIGHTING PLANS

ENLARGED LIGHTING PLANS

OVERALL POWER PLAN ENLARGED POWER PLAN

ENLARGED POWER PLAN

ENLARGED POWER PLANS

PANELBOARD SCHEDULES

PANELBAORD SCHEDULES

ELECTRICAL COMCHECK

REFRIGERATION POWER PLAN

SPRINKLER GENERAL NOTES

REFRIGERATION DETAILS

REFRIGERATION PIPING PLAN

FIRE SPRINKLER CRITERIA PLAN

ENLARGED REFRIGERATION POWER PLANS

ENLARGED REFRIGERATION POWER PLANS

REFRIGERATION DESIGNATION FLOOR PLAN REFRIGERATION DESIGNATION ROOF PLAN

REFRIGERATION LEGENDS AND NOTES

REFRIGERATION PIPING AND SIZE TABLE

ENERGY MANAGEMENT I/O SCHEDULES

ENERGY MANAGEMENT TERMINATION FLOOR PLAN ENERGY MANAGEMENT TERMINATION ROOF PLAN ENERGY MANAGEMENT LEAK DETECTION PLAN

ENERGY MANAGEMENT CONTROL RISER DIAGRAMS

ENERGY MANAGEMENT CONTROL SCHEDULES

ENERGY MANAGEMENT OVERVIEW

ELECTRICAL ROOF POWER PLAN ONE-LINE DIAGRAM AND SCHEDULES

DETAILS

STRUCTURAL

MECHANICAL

PLUMBING

ELECTRICAL

FIRE PROTECTION

REFRIGERATION

LIFE SAFETY PLAN

SITE DETAILS

GENERAL NOTES, ABBREVIATIONS, & LEGENDS

ENLARGED FIXTURE PLAN & EQUIPMENT SCHEDULES

ENLARGED FIXTURE PLAN & EQUIPMENT SCHEDULES

ENLARGED TOILET ROOM PLANS, ELEVATIONS, & DETAILS ENLARGED BREAK ROOM PLANS, ELEVATIONS, & DETAILS

ENLARGED ENTRY, BACK OF HOUSE, BREAK ROOM PLANS

OVERALL SCOPE PLAN & DESCRIPTION ENLARGED SCOPE PLAN & DESCRIPTION ENLARGED SCOPE PLAN & DESCRIPTION

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