### TENANT FINISH WORK FOR A GOOD CENTS RESTAURANT

869 SW LEMANS LANE LEE'S SUMMIT, MISSOURI 64082

#### NOTES - 2018 IBC REVIEW

AREA		ROOM NAME	OCCUPANCY TYPE	AREA SIZE (S.F.)	OCCUPANTS/AREA REQ'D.	# OF OCCUPANTS	EGRESS SIZE REO'D.	EGRESS PROVIDED.	TOILET FIXTURES REO'D.	TOILET FIXTURES PROVIDED
	101	DINING	ASSEMBLY	485	15 S.F./	33	6.6° OR 1 EXIT	2 EXITS (OCC > 49)	OCCUPANCY = RESTAURANT - 36 OCCUPANTS	(2) TOILET RIMS 1 WC 1 LAV 1 SERVICE SINK
	102	KITCHEN A	KITCHEN COMMERCIAL	300	200 S.F./	2	A" OR 1 EXIT	1 EXIT (OCC ( 49)	1 WC /75 OCC MALE, 1 WC /75 OCC. FEMALE 1 LAV/200 OCC. EACH MALE + FEMALE	DRINKING FOUNTAIN (DF)+
	103	HALL	N/A	N/A	-	-	-	-	1 DF/500 OCC, 1 SERVICE SINK	
눌	104	TOILET	N/A	N/A	-	-	-	-		
RESTAURANT	105	TOILET	N/A	N/A	-	-	-	-		
REST	106	KITCHEN B	KITCHEN COMMERCIAL	189	200 S.F./	1	.2" OR 1 EXIT	1 EXIT (OCC ( 49)		
	107	UTIL RM	N/A	136	-	-	-	1 EXIT (OCC ( 49)		
	TOTAL					36	7.2" OR 1 EXITS (OCC(49)	2 EXITS		

OCCUPANT LOADS USED TABLE 1004.5 FLOOR AREA ALLOWANCE (S.F. PER OCCUPANT) MERCANTILE - GRADE FLOORS - 60 GROSS

INTERIOR WALL/CEILING FINISHES CLASSIFICATION - TABLE 803.13 CORRIDORS B ROOMS C

MISC. STORAGE - 300

BUILDING CONSTRUCTION TYPE - EXISTING BLDG FIRE RESISTANCE RATING REQUIREMENTS TABLE 601 PRIMARY STRUCTURAL FRAME NON BEARING WALLS ROOF CONSTRUCTION

FIRE RESISTANCE EXTERIOR WALLS - TABLE 602 FIRE SEPARATION DISTANCE IS 3 30 FT. ON NORTH, SOUTH, EAST + WEST ELEVATIONS, FIRE RESISTANCE NOT REQUIRED.

SHOULD THE ENCLOSURE EXIT CAPACITY EXCEED OCCUPANT LOAD OF 49 BASED ON AREA/OCCUPANT LOAD CALCULATION, PER TABLE 1006.3.3(2) TWO ALLOWABLE DISTANCE TO EXIT TABLE 1017.2 M - WITHOUT SPRINKLER SYSTEM 200 FEET

SECTION 508 MIXED USE AND OCCUPANCY <u>NON SEPARATED OCCUPANCY USED SECTION 508.3 EXCEP</u> MOST RESTRICTIVE REQUIREMENTS OF CHAPTER 9 SHALL APPLY TO THE TOTAL PER TABLE 906.3(1) MAX. FLOOR AREA = 2,082 S.F. ORDINARY HAZARD - MAX. 75' TO F.E. MANUAL FIRE ALARM NOT REQUIRED - SECTION 907.2.4



#### GENERAL NOTES: (PERTAINS TO ALL SHEETS)

- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS, ELEVATIONS AND DETAILS SHOWN ON DRAWINGS WITH EXISTING FIELD CONDITIONS. CONDITIONS FOUND WHICH WILL PREVENT ACCOMPLISHMENT OF INTENT SHOWN ON DRAWINGS SHALL BE BROUGHT TO IMMEDIATE ATTENTION OF THE ARCHITECT FOR DETERMINATION PRIOR TO COMMENCING SAID WORK.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF AND CONSEQUENT REPAIR OR REPLACEMENT OF DAMAGES TO PAVING AREAS, CONCRETE WALKS, THE EXISTING BUILDING. LANDSCAPING, OWNER'S PERSONAL ITEMS, ETC., DUE TO WORK REQUIRED IN THIS CONTRACT.
- 3. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVAL OF APPROPRIATE GOVERNING AUTHORITIES BEFORE BEGINNING WORK AT SITE.
- 4. ALL WORK SHALL COMPLY WITH THE LOCAL BUILDING CODES AND THE STATE OF MISSOURI MUNICIPAL CODES.
- 5. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER.
- 6. CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO THE BUILDING FOR THE OWNER AT ALL TIMES.
- 7. CONTRACTOR SHALL CONTAIN ALL EXTERIOR CONSTRUCTION ACTIVITY WITHIN A REASONABLE AREA. CONTRACTOR SHALL INSTALL TEMPORARY BARRICADES ALONG THE LINE OF CONSTRUCTION AS REQUIRED FOR THE SAFETY AND SECURITY OF THE OWNER AND THE CONTENTS OF THE BUILDING.
- 8. CONTRACTOR SHALL CONTAIN ALL INTERIOR CONSTRUCTION ACTIVITY WITHIN THE AREAS OF THE CONSTRUCTION CHANGES. CONTRACTOR SHALL INSTALL DUST PROTECTION TO COMPLETELY ISOLATE THE AREAS OF CONSTRUCTION FROM THE OTHER AREAS WHERE WORK IS NOT BEING PERFORMED. INSTALL DUST PROTECTION IN FRONT OF ALL OPENINGS IN EXISTING PARTITIONS/FLOORS INCLUDING SUPPLY + RETURN GRILLS, ETC. TO PREVENT DUST OR FOREIGN OBJECTS FROM ENTERING THE OPENING.
- 9. CONTRACTOR SHALL KEEP ALL AREAS CLEAN OF CONSTRUCTION DEBRIS. PROPERLY DISPOSE OF CONSTRUCTION DEBRIS AT THE END OF EACH DAY.
- 10. THE DRAWINGS AND SPECIFICATIONS ARE PROVIDED AS ONE UNIT. SHOULD A CONFLICT OCCUR, THE ARCHITECT WILL DETERMINE THE INTENT OF THE DOCUMENTS TO PROVIDE THE OWNER WITH A COMPLETE PROJECT.
- 11. PROTECT ALL EXISTING WALL + FLOOR MOUNTED FIXTURES TO REMAIN.
- 12. WHERE A CONDITION IS NOTED 'TYPICAL' (TYP.) IT IS UNDERSTOOD THAT ALL SIMILAR CONDITIONS BE CONSTRUCTED OF THE SAME MATERIALS AND/OR DIMENSIONS.
- 13. WHERE A CONDITION EXISTS ON THE DRAWINGS THAT ARE CONFLICTING, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO ORDERING MATERIALS OR COMMENCING CONSTRUCTION OF THE AFFECTED AREAS OF THE CONFLICT. SHOULD THE ARCHITECT NOT BE NOTIFIED OF SUCH CONFLICTS, THE ARCHITECT WILL BE HELD HARMLESS OF ANY CLAIMS ARISING FROM SUCH CONFLICTS.

### **ZONING ANALYSIS**

LEE'S SUMMIT. MISSOURI

COMMERCIAL

### CONTACT INFORMATION:

ARCHITECTS: DBL ARCHITECTURE, INC.

DANA BLAY - 913-206-6060

VICINITY MAP



#### **ARCHITECTURAL**

ENLARGED FIRST FLOOR PLANS

GENERAL SPECIFICATIONS

MISCELLANEOUS SPECIFICATIONS

A9 INTERIOR WALLS DETAILS

FIRST FLOOR HVAC PLAN + SCHEDULES

FIRST FLOOR ELECTRICAL POWER PLAN

ELECTRICAL SPECIFICATIONS

E4 ELECTRICAL DETAILS

P2 PLUMBING RISER DIAGRAMS + DETAILS

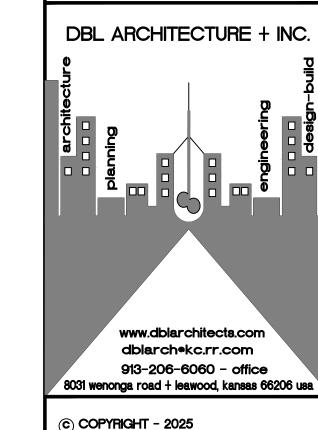
#### CODE ANALYSIS

**BUILDING CODE** 2018 IBC MECHANICAL CODE 2018 IMC PLUMBING CODE 2018 IPC ELECTRICAL CODE 2017 NEC FIRE CODE 2018 IFC FUEL GAS CODE 2018 IFGC ADA CODE ICC/ANSI A117.1-2010 **ENERGY CODE** 2018 IECC

TOTAL PROJECT AREA 1,505 S.F. TOTAL PROJECT AREA OCCUPANCY GROUP A2 - ASSEMBLY - RESTAURANT

OCCUPANCY - SEE CHART ABOVE

2B TYPE OF CONSTRUCTION



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A NEW SANDWICH RESTAURANT 869 SW Lemans Ln, Lee's Summit, MO 64082

### PROJECT LOG:

CONTRACT INITIATION March 19, 2025

AS-BUILT MEASURING/COMPLETION 3/20/25

OWNER'S DESIGN REVIEW

PLANNING PRE-APP REVIEW PLANNING SPECIAL USE SUBMITTAL

OWNER'S CD REVIEW

PLANS AVAILABLE FOR PERMIT SUBMIT

PLANS PERMIT RESUBMIT

### REVISIONS:

REVISED PER CITY ?/?/25

REVISED PER CITY ?/?/25

SHEET TITLE:

**COVER SHEET** 

ISHEET NO.:

PROJECT NUMBER :

031925

### INDEX OF DRAWINGS

#### AC COVER SHEET

FIRST FLOOR PLAN

REFLECTED CEILING PLAN

DOOR + WINDOW DETAILS + SCHEDULES

ADA DETAILS

TYPICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

**GENERAL SPECIFICATIONS** 

### **MECHANICAL**

HVAC SCHEDULES

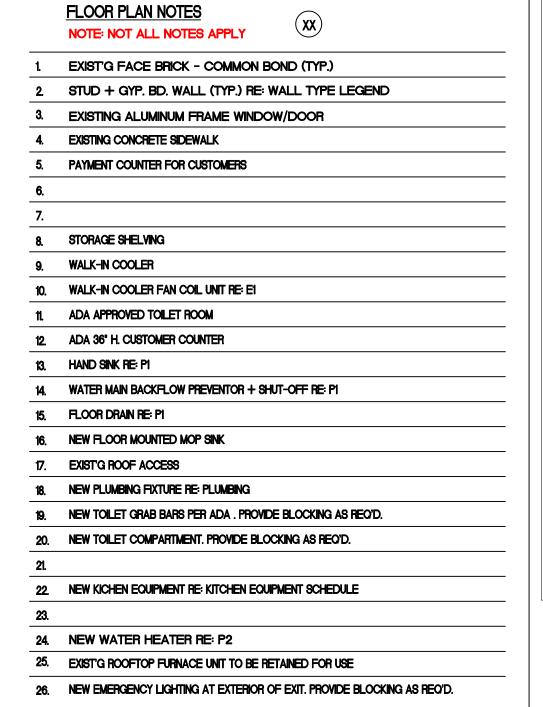
### **ELECTRICAL**

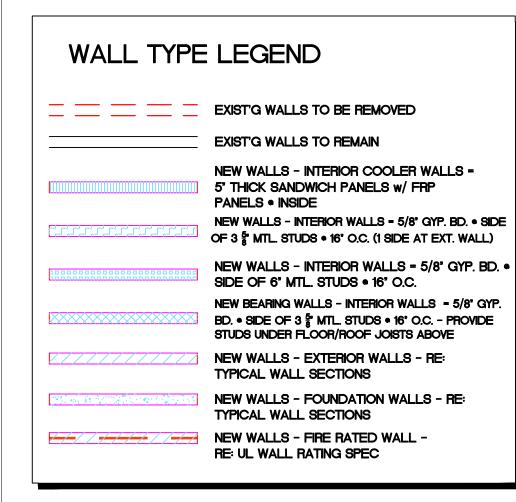
FIRST FLOOR ELECTRICAL LIGHTING PLAN

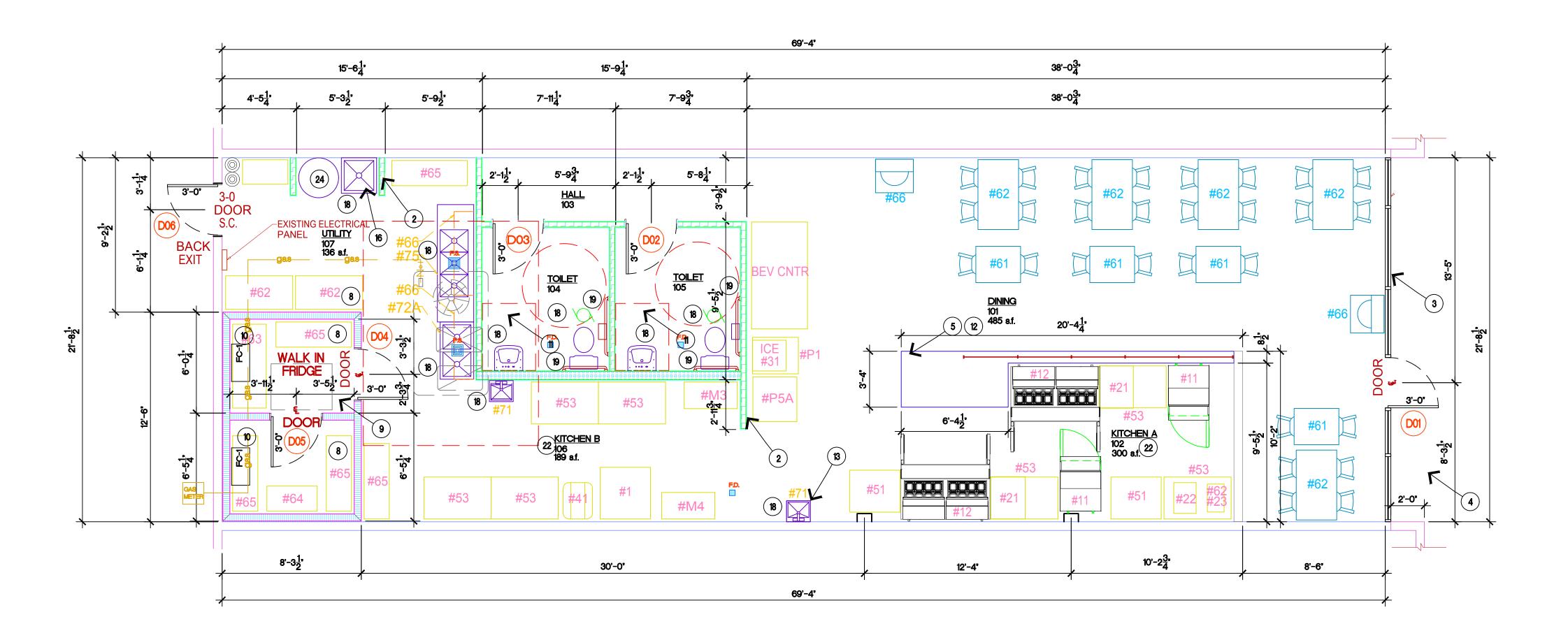
#### **PLUMBING**

P1 FIRST FLOOR PLUMBING PLAN

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#### PROJECT

GOOD CENTS
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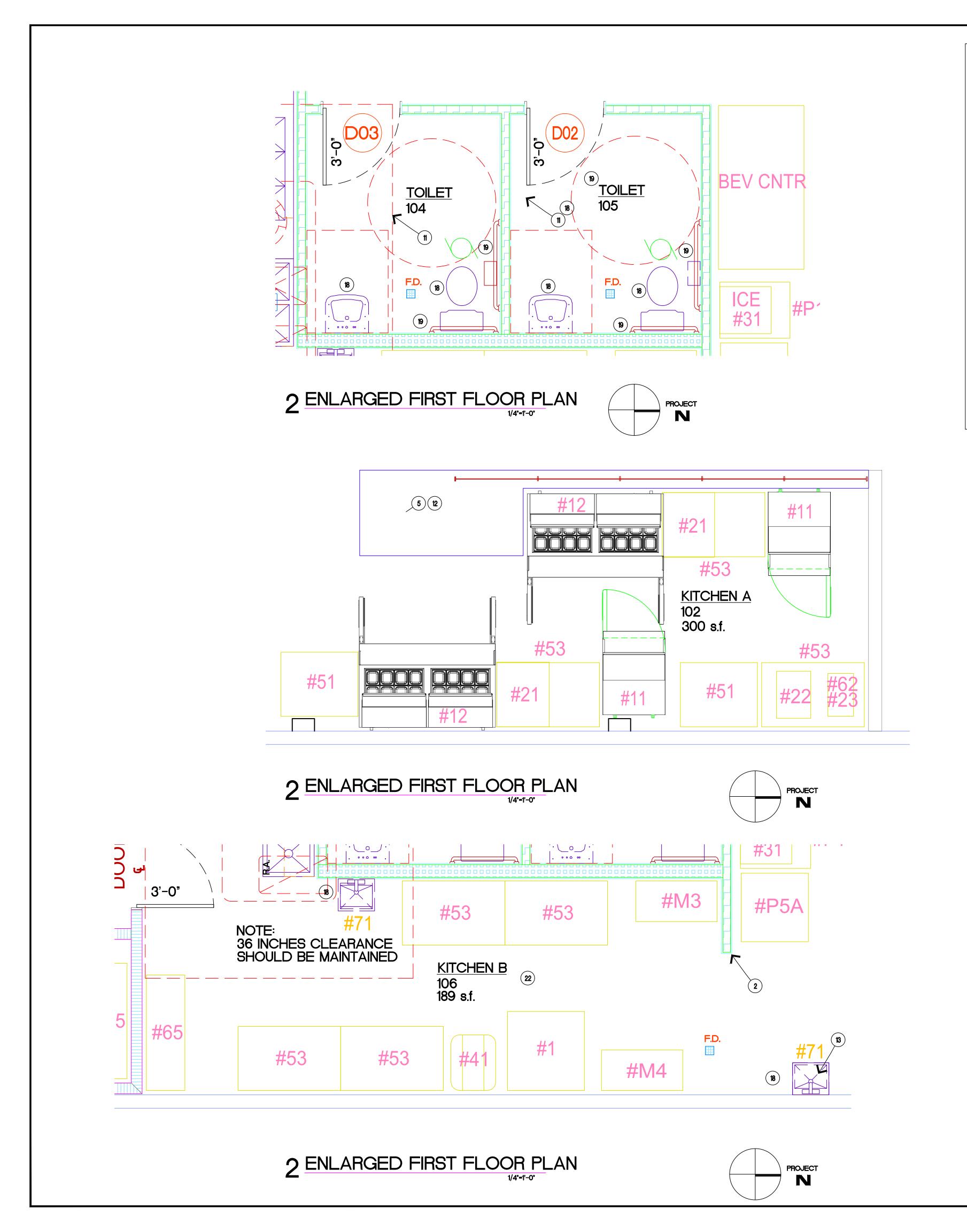
FIRST FLOOR PLAN

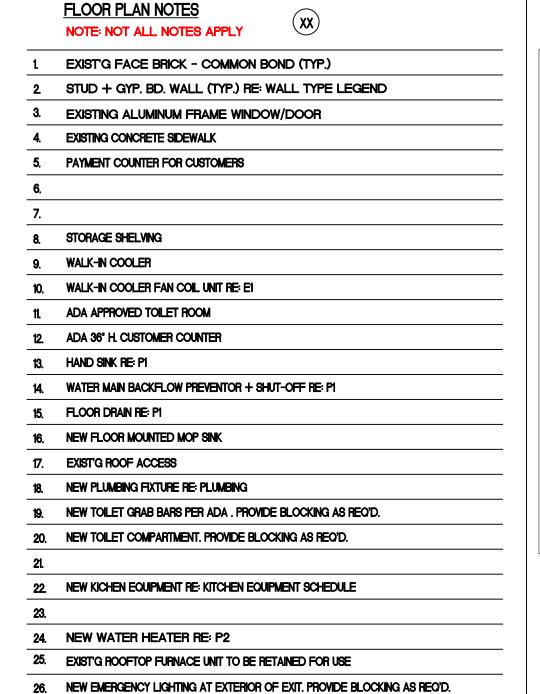
SHEET NO.:

PROJECT NUMBER :

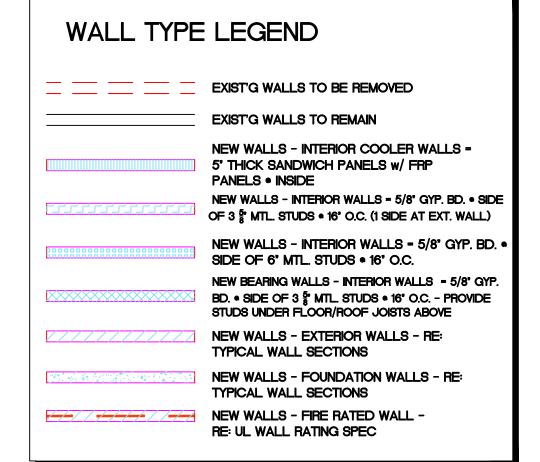
031925

PROJECT

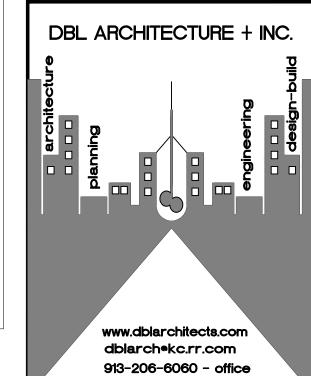




REFER TO SHEET A4 FOR EQUIPMENT SCHEDULE







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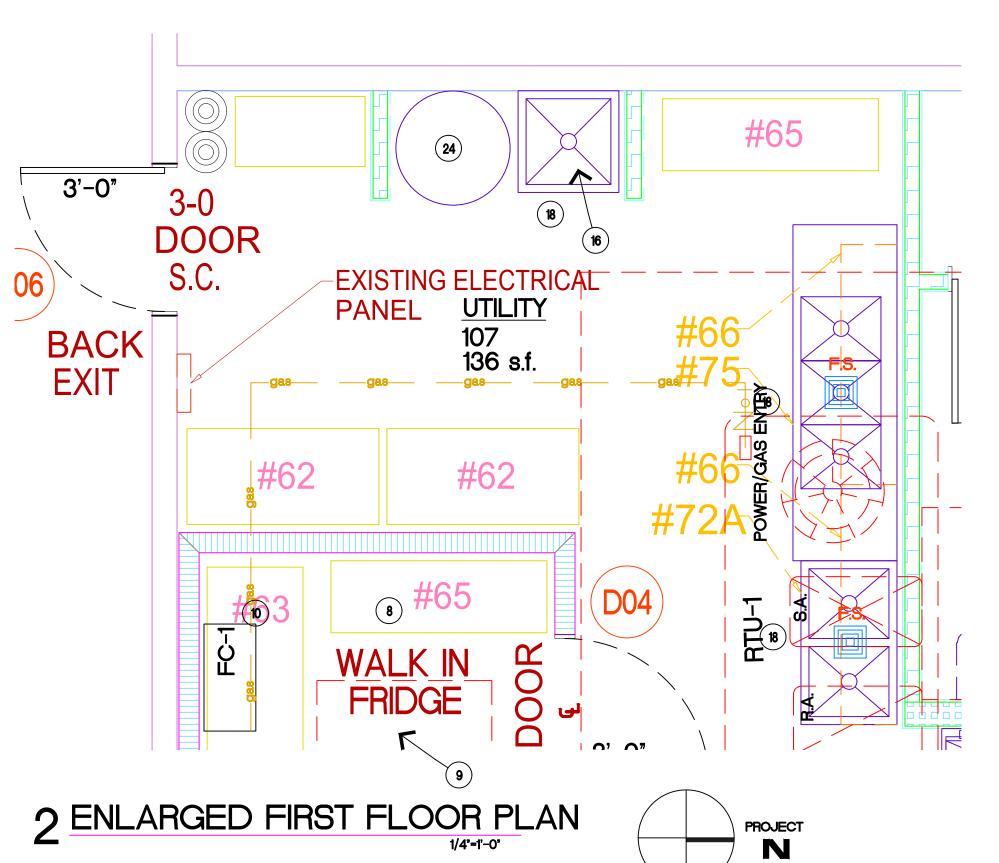
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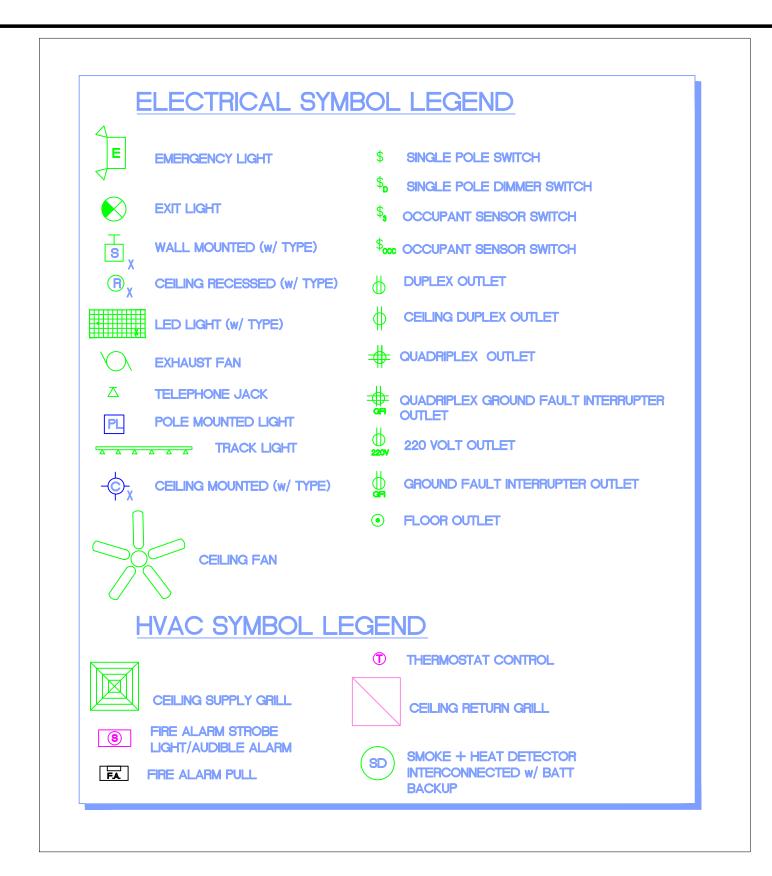
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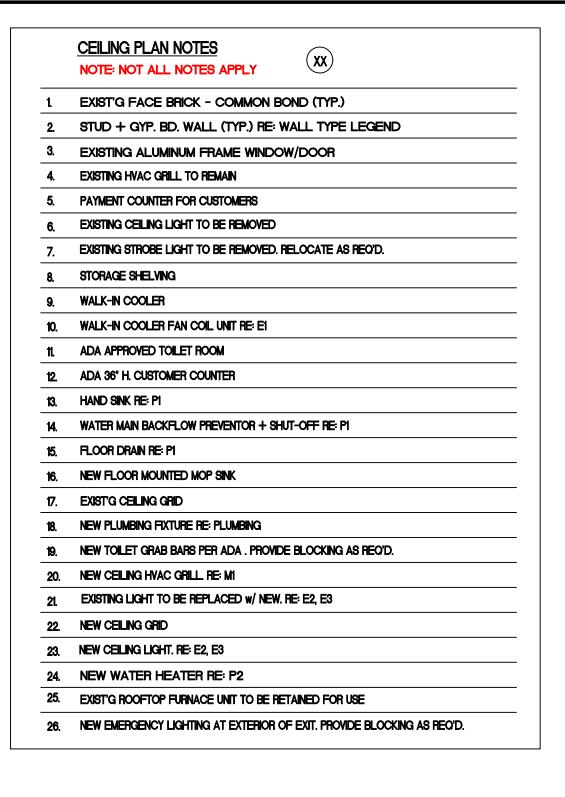
ENLARGED FIRST FLOOR PLANS

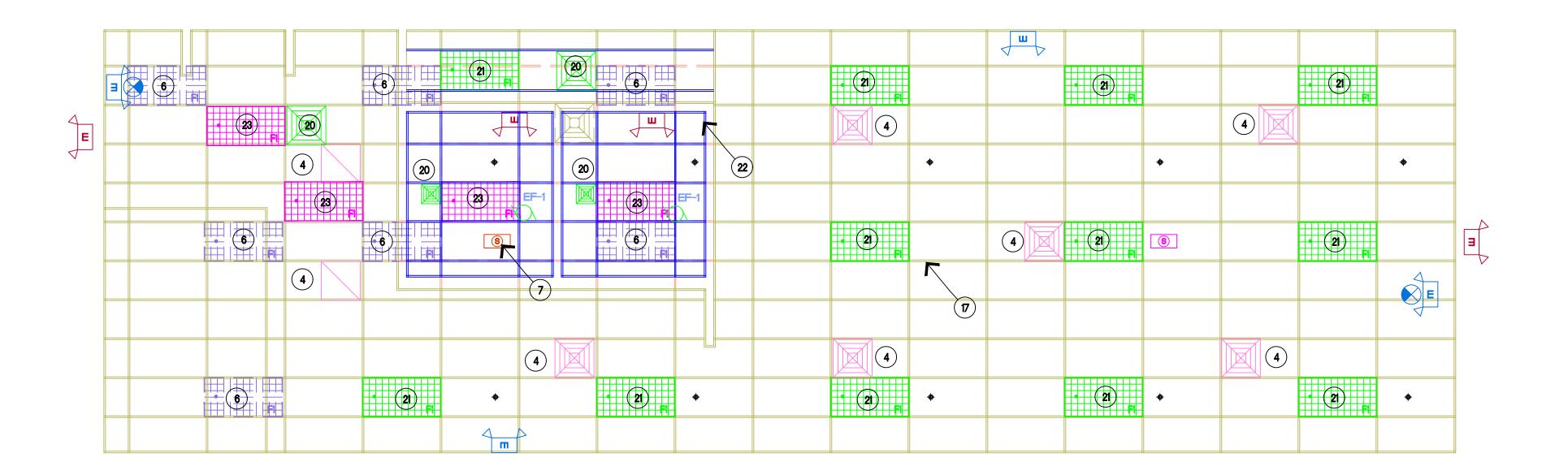
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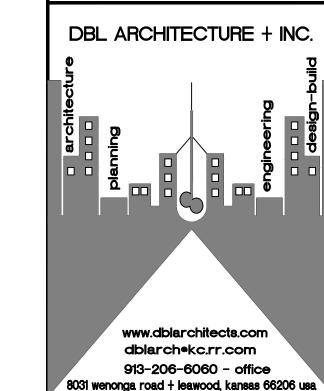












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2/2/25
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2 ?/?/25

SHEET TITLE:

REFLECTED CEILING PLAN

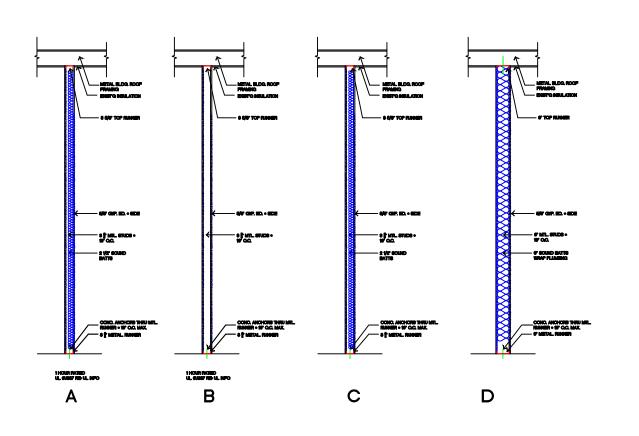
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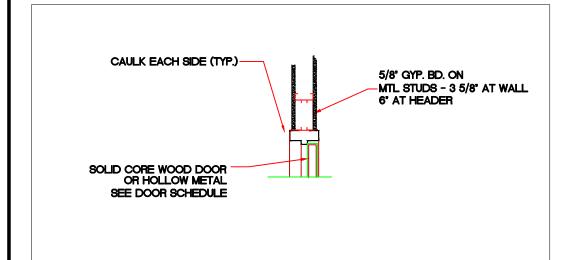
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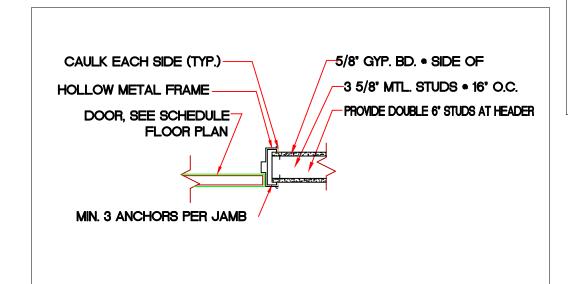
031925

PROJECT

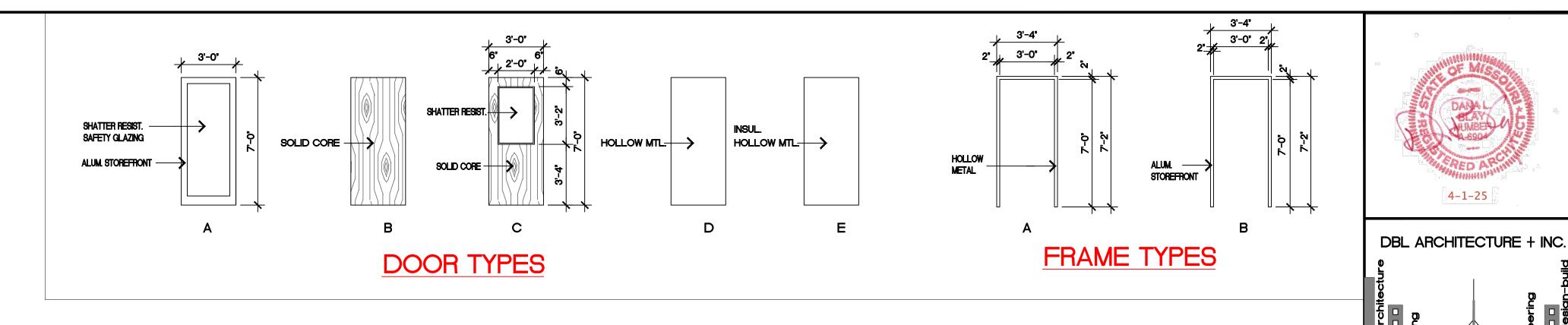
PRODUCT ITEM	SPECIFIED MFG.	APPROVED EQUAL MFG.
HINGES	HAGER BB1199 S.S.	McKINNEY
LOCKSETS	BEST 9K SERIES 16D LEVER + ROSE STYLE DEADBOLT - T SERIES	NO SUBSTITUTION
EXIT DEVICES	VON DUPRIN XP 98/99	NO SUBSTITUTION
DOOR CLOSERS	LCN 4040 XP	NO SUBSTITUTION
KICKPLATES	BURNS J102 S.S.	ROCKWOOD
STOPS	BURNS 575 S.S.	ROCKWOOD
DOOR PULLS	BURNS 26G SERIES	ROCKWOOD
THRESHOLDS	PEMKO CT 1715	REESE
WEATHERSTRIP	PEMKO P240	REESE







NOTE : ALL STOPS AT EXTERIOR DOORS SHALL BE LOCATED AT THE INTERIOR SIDE OF THE FRAMES.



							DOOR SCH	EDULE						
	NUMBER	TYPE	MATL	SIZE	RATING	HARDWARE	FRAME TYPE	FRAME MATL	JAMB	HEAD	SILL	DOOR PAINT	FRAME PAINT	REMARKS
	D01	EXIST'G	EXIST'G	EXIST'G	_	-	-	-	_	_	_	_	-	NOTE #1
Ž	D02	В	S.C.	3'-0"x7'-0"	_	5	Α	H.M.	A2	A2	_	PAINT #3	PAINT #1	
EN.	D03	В	S.C.	3'-0"x7'-0"	_	5	Α	H.M.	A2	A2	_	PAINT #3	PAINT #1	
	D04	E	I.M.	3'-0"x7'-0"	_	MFG.	MFG.	MFG.	-	_	-			
RESTA	D05	E	I.M.	3'-0"x7'-0"	_	MFG.	MFG.	MFG.	_	_	_			
	D06	EXIST'G	EXIST'G	EXIST'G	_	EXIST'G	EXIST'G	EXIST'G	Exist'g	Exist'g	Exist'g			
NEW														

• PAINT #3 WOOD DOOR FINISH - 2 COATS SATIN LOW OR ZERO VOA POLYETHALENE PAINT #1 METAL TRIM COLOR - SHERWIN WILLIAMS - EMERALD SATIN BLACK FOX SW 7020 • PAINT #4 EXTERIOR METAL DOOR COLOR - BO

PAINT #2 INTERIOR METAL DOOR COLOR-BO

S.C. = SOLID CORE H.M. = HOLLOW METAL • I.M. = INSULATED METAL DOOR HARDWARE: ALL HANDLES TO BE ADA LEVER TYPE w/ BRUSHED ALUM. FIN.(SEE BELOW) SET #1 - DEADBOLT, SWEEP, CLOSERS, WEATHERSTRIP, THRESHOLD, PUSH/PULLS, ASTRAGAL LOCKS

SET #2 - DEADBOLT, SWEEP, CLOSER, PUSH/PULL, WEATHERSTRIP, THRESHOLD

SET #3 - CLOSER, AB-ENTRY, THRESHOLD, SWEEP, WEATHERSTRIP, DEADBOLT SET #4 - CLOSER, N-PASSAGE, KICKPLATES

SET #5 - CLOSER, L-PRIVACY (w/ EMERGENCY UNLOCK), 10° STAINLESS STEEL

KICKPLATE

• MFG. = BY MANUFACTURER • BO = BY OWNER

SET #6 - CLOSER, AB-ENTRY, DEADBOLT, WEATHERSTRIPPING, SWEEP

SET #7 - CLOSER, N-PASSAGE, DEADBOLT, KICKPLATE SET #8 - CLOSER, D-STOREROOM

SET #9 - EMERGENCY PUSH-BAR, THRESHOLD, CLOSER, WEATHERSTRIP,

SWEEP, DEADBOLT

NOTE 1: PROVIDE SIGN SAYING THIS DOOR TO BE UNLOCKED WHEN BUILDING IS OCCUPIED + AN OPEN/CLOSED DOOR HARDWARE INDICATOR

ACOUSTIC CEILING TILE #1 - STANDARD 48' x 24' WHITE

GALVANIZED STEEL DROP CEILING GRID

GALVANIZED STEEL DROP CEILING GRID

FISSURED TILES, EXISTING GRID OR IF NEW - STANDARD 48 X 25

ACOUSTIC CEILING TILE #2 - STANDARD 48' x 24' DURA CLEAN

SMOOTH WHITE, EXISTING GRID OR IF NEW - STANDARD 48 X 25

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4/1/25

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 ∧ REVISED PER CITY <u>/2\ ?/?/25</u>

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SCHEDULES

SHEET NO.:

PROJECT NUMBER :

031925

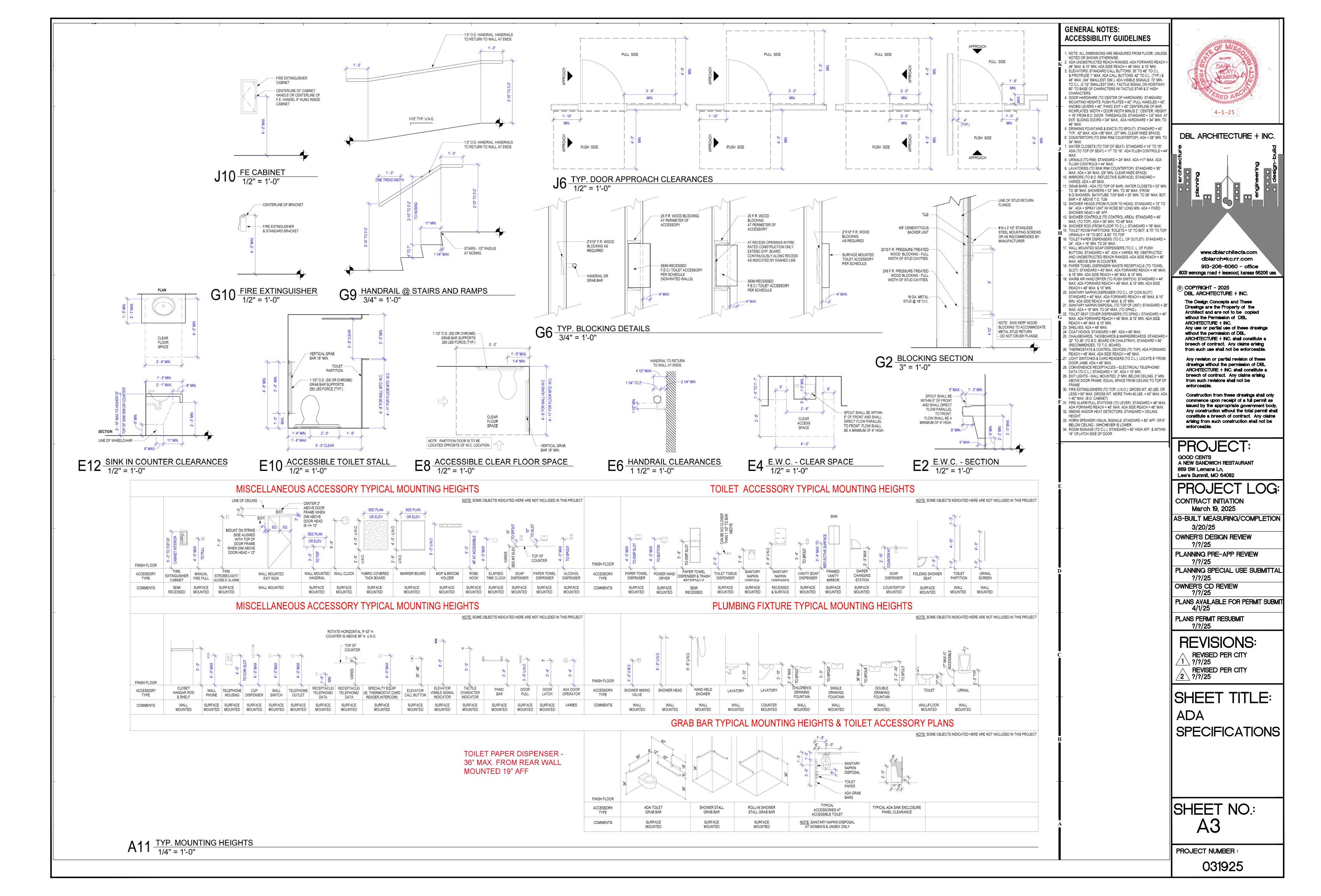
				ROOM	/ FINISH S	SCHEDUL	NOTE: #1 + #2			
ROOM	ROOM NAME	FLOOR	BASE		WA	LLS		CEILING	CEILING	REMARKS
NUM.	TIOOM TO MIL	1 20011	DAGE	NORTH	SOUTH	EAST	WEST		HEIGHT	i interpries
				BUILD	ING - FIR	ST FLOO	R			
101	DINING	LVP	VINYL COVE #1	WALL VERSION #1 GYP. BD.	ACOUSTIC CEILING TILE #1	EXISTG				
102	KITCHEN A	от	COVE #2	WALL VERSION #3 GYP. BD.	ACOUSTIC CEILING TILE #2	EXIST'G				
103	HALL	LVP	VINYL COVE #1	WALL VERSION #1 GYP. BD.	ACOUSTIC CEILING TILE #1	EXIST'G				
104	TOILET	от	COVE #2	WALL VERSION #2 GYP. BD.	ACOUSTIC CEILING TILE #2	EXIST'G	FLOOR TO WALL BASE TO BE NON-ABSORBENT PER IBC 1210			
105	TOILET	от	COVE #2	WALL VERSION #2 GYP. BD.	ACOUSTIC CEILING TILE #2	EXIST'G	FLOOR TO WALL BASE TO BE NON-ABSORBENT PER IBC 1210			
106	KITCHEN B	от	COVE #2	WALL VERSION #3 GYP. BD.	ACOUSTIC CEILING TILE #2	EXIST'G				
107	UTIL RM	от	COVE #2	WALL VERSION #3 GYP. BD.	ACOUSTIC CEILING TILE #2	EXIST'G				

WALL VERSION #1 - BELOW CHAIR RAIL - SHERWIN WILLIAMS EMERALD SATIN BLACK FOX SW 7020, LVP - LUXURY VINYL PLANK - TERRAIN II 20 mil 5 mm ROOT 00568 -ABOVE CHAIR RAIL - SHERWIN WILLIAMS EMERALD SATIN REPOSE GRAY SW 7015, CHAIR RAIL - 1x3 OFFSET RUNNING MAPLE CLEAR COAT

WALL VERSION #2 - MARLITE SYMMETRIX SMART SEAM SUBWAY - WHITE PANEL WITH BLACK GROOVES SS916-G63-R1 PLACED TO 48" AFF CAP - MARLITE 193533 FRPMLD SATIN ANODIZE A570 EDGE - PAINTED SECTION - SHERWIN WILLIAMS EMERALD SATIN DOVETAIL SW 7018, UNTEXTURED WALL VERSION #3 - MARLITE S 100 S/2/S WHITE SMOOTH, ABOVE FRP SHERWIN WILLIAMS EMERALD SATIN DOVETAIL SW 7018

VINYL COVE #1 = 4" BLACK THERMOPLASTIC COVE BASE COVE #2 = INTEGRATED PENNTEK COVE BASE

QT = QUARRY TILE - PENNTEK DARK GREY POLYUREA w/ SHARKBITE OF DALTILE ARID GRAY 0Q42 QUARRY TILE W// GROUT TEC ACCUCOLOR SANDED GROUT MOCHA #932



Sysco Co	ntact Information		Goodcents #:	
Contact Name	Lance Breitkreutz	COODCODEC	Address:	
Address	900 Kingbird Rd	GUUULEIILS	City, State, Zip:	
City, State, Zip	Lincoln, NE 68521		Contact Name:	
Phone	402-304-1820	Equipment Mactor	Phone:	
Email	lance.breitkreutz@sysco.com	Equipment Master	Email:	

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					'LY FROM SYSCO FOR A FLAT FEE, IF REQUESTED.		
					BREAD OVEN		
GC Item #	Goodcents Description	Order	Model #	Mfg	Description	Dims	Electrical
1	Bread Oven/ Proofer		E35D6-26/P85M12/GC	MOFFAT	Goodcents Spec- Turbofan convection oven/proofer/holding stacked electric oven, Custom with Left and Right 4 pan rack slides	36"W x 37"D x 79"H	208/60/3 & 31 amp
1.1	Water Filters for Proofer		ICE125-S	3M	3M™ Water Filtration Products Water Filter System, with gauge, 17"H x 4.5"D	-	-
					COOLERS		
GC Item #	<b>Goodcents Description</b>	Order	Model #	Mfg	Description	Dims	Electrical
11	Meat Well		TST-28SD-12-N	TURBO AIR	Super Deluxe Sandwich/Salad Mega Top Unit, stainless steel top with 12-pan opening, with casters	28"W x 34"D x 45"H	115/60/1
12	Dress Table		TST-60SD-24-N	TURBO AIR	Super Deluxe Sandwich/Salad Mega Top Unit, stainless steel top with 24-pan opening, with casters	61"W x 34"D x 45H"	115/60/1
13	3-door Cooler		TSR-72SD-N	TURBO AIR	Super Deluxe Refrigerator, Reach-in, three-section	82"W x 31"D x 84"H	115/60/1
13.1	Bread rack for 3dr cooler		TSP-2250-T	TURBO AIR	Full Size Pan Rack, 21"W x 24"D x 50"H, fits in full door	21"W x 24"D x 50"H	-
14	3-door Freezer		TSF-72SD-N	TURBO AIR	Super Deluxe Freezer, Reach-in, three-section	82"W x 31"D x 84"H	115/60/1
15	1-door Cooler		TSR-23SD-N6(-L)	TURBO AIR	Super Deluxe Refrigerator, reach-in, one-section	27"W x 31D x 79"H	115/60/1
16	2-door Cooler		TSR-49SD-N6	TURBO AIR	Super Deluxe Refrigerator, reach-in, two-section	55"W x 31"D x 79"H	115/60/1
					SLICER/COOKING EQUIPMENT		
GC Item #	<b>Goodcents Description</b>	Order	Model #	Mfg	Description	Dims	Electrical
21	Slicer		HS6N-1	HOBART	Heavy Duty Meat Slicer, manual, 13"	-	120/60/1
22	Eco-Bake		ECO-9500-801	TURBOCHEF	ECO™ Convection/Microwave Oven, Rapid Cook  Counteston Cooker/Memory accepts a 12" x 20" full size per	-	208/240/60/1&20a
23	Cooker/ Warmer Microwave		6055A-CW RMS10DSA	NEMCO AMANA	Countertop Cooker/Warmer, accepts a 12" x 20" full size pan  Microwave Oven, countertop, 1000 watts	-	120/60/1
25			KMWS2424	KINTERA	· · · · · · · · · · · · · · · · · · ·	0.4004 × 0.400	120/60/1
25	Microwave Shelf		KIMVV52424	KINTERA	Microwave Shelf, 24" x 24" 18ga s/s  ICE MAKER	24"W x 24"D	-
GC Item #	Goodcents Description	Order	Model #	Mfg	Description	Dims	Electrical
31	Ice Machine	Oruci	MANIDT0420A	MANITOWOC	Ice maker, self-contained, dice cube, 470 lbs/24hrs	22"W x 24.5"Dx 22"H	115/60/1
31.1	Ice Machine water filters		AR-1000-P	MANITOWOC	Water filter	-	-
01.1	100 Flaciline Water Hitere		7111 1000 1	THATTOWOO	BREAD RACKS	_	
GC Item #	Goodcents Description	Order	Model #	Mfg	Description	Dims	Electrical
41	Bread Rack		AL-1820B	WINHOLT	Pan Rack, mobile, full height	21"W x 26"D x 70"H	-
42	Under Table Bread Rack		MPRA-7	Atosa	Pan Insert Rack, for Reach-In Refrigerator, 1/2 size, 23" high,	21"W x 24"D x 23"H	-
43	Bread Rack Cover		SUPRO-20-TW	CURTRON	Protecto® Rack Cover, 23" wide x 28" deep x 62" high, translucent white	23"W x 28"D x 62"H	-
					PREP TABLES		
GC Item #	Goodcents Description	Order	Model #	Mfg	Description	Dims	Electrical
51	30" Prep Table		SVT-3030	BK Resources	Work Table, 36"W x 30"D, stainless steel top	36"W x 30"D x 36"H	-
51.1	30" Middle Shelf		SVTS-3030	BK Resources	Undershelf, stainless steel, for 36"W x 30"D work table	-	-
52	3ft Prep Table		SVT-3630	BK Resources	Work Table, 36"W x 30"D, stainless steel top	36"W x 30"D x 36"H	-
52.1	3ft Middle Shelf		SVTS-3630	BK Resources	Undershelf, stainless steel, for 36"W x 30"D work table	-	-
53	4ft Prep Table		SVT-4830	BK Resources	Work Table, 48"W x 30"D, stainless steel top	48"W x 30"D x 36"H	-
53.1	4ft Middle Shelf		SVTS-4830	BK Resources	Undershelf, stainless steel, for 48"W x 30"D work table	-	-
54	5 ft Prep Table		SVT-6030	BK Resources	Work Table, 60"W x 30"D, stainless steel top	48"W x 30"D x 36"H	-
54.1	5ft Middle Shelf		SVTS-6030	BK Resources	Undershelf, stainless steel, for 60"W x 30"D work table		-
					SHELVING	_	
GC Item #	Goodcents Description	Order	Model #	Mfg	Description	Dims	Electrical
61	24"x36" Full Storage Rack		2436P/P74PX	QUANTUM	24" x 36" green epoxy coated shelving system (4 Shelves/4Posts)	36"W x 24"D x 74"H	-
61.1	24"x36" extra shelf		2436P	QUANTUM	Shelf, wire, 24" x 36", green epoxy finish	36"W x 24"D	-
62	24"x48" Full Storage Rack		2448P/P74PX	QUANTUM	24" x 48" green epoxy coated shelving system (4 Shelves/4Posts)	48"W x 24"D x 74"H	-
62.1	24"x48" extra shelf		2448P	QUANTUM	Shelf, wire, 24" x 48", green epoxy finish	48"W x 24"D	-
63	24"x60" Full Storage Rack		2460P/P74PX	QUANTUM	24" x 60" green epoxy coated shelving system (4 Shelves/4Posts)	60"W x 24"D x 74"H	-
63.1	24"x60" extra shelf		2460P	QUANTUM	Shelf, wire, 24" x 60", green epoxy finish	60"W x 24"D	-
64	18"x36" Full Storage Rack		1836P/P74PX	QUANTUM	18" x 36" green epoxy coated shelving system (4 Shelves/4Posts)	48"W x 24"D	-
64.1	18"x36" extra shelf		1836P	QUANTUM	Shelf, wire, 18" x 36", green epoxy finish	48"W x 24"D	-
65	18"x54" Full Storage Rack		1854P/P74PX	QUANTUM	18" x 54" green epoxy coated shelving system (4 Shelves/4Posts)	48"W x 24"D	-
65.1	18"x54" extra shelf		1854P	QUANTUM	Shelf, wire, 18" x 36", green epoxy finish	48"W x 24"D	-
66 66.1	Overhead wall shelf		1460P/DWB14P	QUANTUM	14" x 60" green epoxy coated wall shelf w/stainless brackets (1 Shelf/2 Brackets)	14"D x 60"W	-
<del></del>	Additional Sholf Bracket		1460P	QUANTUM	14" x 60" green epoxy coated wall shelf w/stainless brackets (1 Shelf/2 Brackets)	14"D x 60"W	-
							<u>-</u>
							<del>-</del>
66.2 67 68	Additional Shelf Bracket  Additional 74" Post  Stainless shelf		DWB14P P74PX KWS1260	QUANTUM QUANTUM KINTERA	Wire Shelf Wall Mount Brackets, for 14" deep shelves, green epoxy coating, (set of 2)  Shelving Post 74"H, green epoxy coating, includes: leveling foot with cap, NSF  Shelf, wall mounted, 60"W x 12"D x 6"H, 1-1/2" backsplash, stainless steel	14"W x 2D x 8"H 74"H 60"W x 12"D x 6"H	

	Support Center Items												
GC Item #	Goodcents Description		Model #	Mfg	Description	Dims	Electrical						
G1	Job Aid Binder						-						
G2	Station assignments chart						-						
G3	Prep Assignments chart						-						
G4	Cleaning chart												
G5	Bread color chart												
G6	Branded handwashing signs												
G7	Bread cutting guide(s)												
							-						
							-						
							-						

					SINKS/SINK ACCESSORIES		
GC Item #	<b>Goodcents Description</b>	Order	Model #	Mfg	Description	Dims	Electrical
71	Stainless Hand sink		BKHS-W-1410-SS/BKF-W-5G-G	BK Resources	Stainless hand sink, 14" x 10" bowl, side splashes, and standard duty 5" faucet	17"W x 15"D x 13"H	-
72A	2-comp sink		BKS-2-18-12S	BK Resources	2 Compartment Sink, Stainless Base	41"W x 24"D x 44"H	-
72B	1-comp sink w/drainboard		BKS-1-18-12-18L	BK Resources	1 Compartment Sink w/drainboard, Stainless Base	39"W x 24"D x 44"H	
72C	1-comp sink		BKS-1-18-12	BK Resources	1 Compartment Sink, Stainless Base	23"W x 24"D x 44"H	-
73	Sink sprayer		B-0133-CR-B	T&S Brass	Pre-Rinse Unit, with 6" wall bracket	-	-
74	Garbage Disposal		LC-50	INSINKERATOR	Disposer, 1/2 hp	-	115/60/1
75	3-comp sink		BKS-3-1620-12-18TS	BK RESOURCES	(3) Three Compartment Sink, 16ga s/s 3-ea 16" x 20" bowls, 18" left and right drainboards	84"W x 26"D x 44"H	-
76	Faucet for 3-comp		B-0231-BB-CR	T&S	Splash mounted faucet, 12" nozzle	-	-
					DINING ROOM FURNITURE/FIXTURES		
GC Item #	Goodcents Description	Order	Model #	Mfg	Description	Dims	Electrical
81	Small table top		CTM2430-1	OAK STREET	Table Top, rectangular, 24" x 30", 1-1/4" thick, Formica 8824-58 White Drops -Matte Finish. T-mold edge color standard.	24"W X 30"D	-
81.1	Small table base		B22-STD	OAK STREET	Table Base, 22" x 22" base spread, , 28-3/4" standard height, adjustable poly levelers, black Sandtex finish	-	-
82	Large table top		CTM3048-1	OAK STREET	Table Top, rectangular, 30" x 48", 1-1/4", Formica 8824-58 White Drops -Matte Finish. T-mold edge color standard.	30"W X 48"D	-
82.1	Large table base		B2230-STD	OAK STREET	Table Base, 22" x 30" base spread, 28-3/4" standard height, adjustable poly levelers, black Sandtex finish	-	-
83	Bar Height base		B2230-BAR	OAK STREET	Table Base, 22" x 30" base spread, 40-3/4" bar height, adjustable poly levelers, black Sandtex finish	-	-
84	Dining Chair		AM841 BV	MKLD	Side Chair, ladder back, upholstered seat, black powder coat finish, New Soho, Ebony		-
85	Dining Barstool		AM841 BSBV	MKLD	Barstool, ladder back, upholstered seat, black powder coat finish, New Soho, Ebony		-
86	Trash Receptacle Cabinet		M8510	OAK STREET	Trash Receptacle, 22" x 25-1/8" x 44"H, 3-3/4" holds 25 gallon cap.		-
- 00	maon mocopiacio cabinot			0, 0			

#### All items below this line are provided by alternate vendors and are included as a floorplan reference

	ALTERNATE VENDOR ITEMS - Technology											
GC Item #	<b>Goodcents Description</b>		Model #	Mfg	Description	Dims	Electrical					
X1	POS Terminal						-					
X1.1	POS Terminal Printer						-					
X2	Router						-					
Х3	Kiosk						-					
X4	KDS						-					

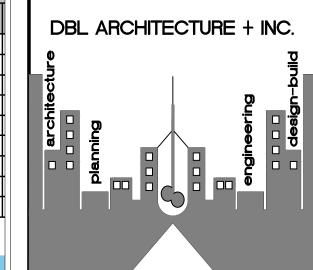
				ALTERNATE VENDOR ITEMS - Millwork		
GC Item #	<b>Goodcents Description</b>	Model #	Mfg	Description	Dims	Electrical
M1	POS station					-
M2	Stem wall					-
M3	BOH POS station					-
M4	Pickup Shelf					-
M5	Beverage Station					-
M5	Acrylic Medallion					-

					ALTERNATE VENDOR ITEMS - Pepsi		
GC	Item #	Goodcents Description	Model #	Mfg	Description	Dims	Electrical
	P1	Pepsi Renew fountain					-
	P2	BIB Rack					-
	P3	CO2 tanks					-
	P4	Pepsi 4 flavor fountain					-
	P5A	Pepsi Bottle Cooler	GDM-26				-
	P5B	Pepsi Bottle Cooler					-
F	P5C	Pepsi Bottle Cooler					-
	P6	Pepsi DT/PUW Fountain					-

				ALTERNATE VENDOR ITEMS - Wall Art		
GC Item #	Goodcents Description	Model #	Mfg	Description	Dims	Electrical
W1	Welcome Wall					-
W2	Snap frame posters			https://www.displays2go.com/P-1351/Snap-Frame-Holds-24-x-36-Posters		-
W3	Bathroom accent wall					-

	Franchisee Items							
GC Item # Goodcents Description Model # Mfg Description Dims								
F1	Digital Menu Boards						-	
F1.1	Raydiant Players						-	
F2	Cookie baskets						-	
F3	Open sign						-	
F4	Tablet (training)						-	
	Laptop						-	





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Construction from these drawings shall only commence upon receipt of a full permit as issued by the appropriate government body. Any construction without the total permit shall constitute a breech of contract. Any claims arising from such construction shall not be enforceable.

#### PROJECT:

GOOD CENTS A NEW SANDWICH RESTAURANT 869 SW Lemans Ln, Lee's Summit, MO 64082

#### | PROJECT LOG

CONTRACT INITIATION

March 19, 2025

AS-BUILT MEASURING/COMPLETION 3/20/25

OWNER'S DESIGN REVIEW
2/2/25
PLANNING PRE-APP REVIEW

?/?/25
PLANNING SPECIAL USE SUBMITTAL
2/2/25

OWNER'S CD REVIEW ?/?/25

PLANS AVAILABLE FOR PERMIT SUBMIT 4/1/25

PLANS PERMIT RESUBMIT ?/?/25

### REVISIONS:

REVISED PER CITY
?/?/25
A REVISED PER CITY

REVISED PER CITY ?/?/25

MASTER

# SHEET TITLE: GOOD CENTS EQUIPMENT

SHEET NO:

PROJECT NUMBER: 031925

#### GENERAL PROVISIONS

GENERAL CONDITIONS The Standard Form of General Conditions, 1997 Edition of the American Institute of

Architects, Document No. A-201, pages one through forty-four, are hereby made a part of these specifications and shall apply the same as if repeated here in full. All interested parties shall be governed by those General Conditions in all matters pertaining to this project, during the period of construction, and participation in the project will be considered presumptive evidence of the participant's full understanding of, and agreement with, the conditions of the referenced General Conditions.

The General Conditions, Special Provisions, General Requirements, and Technical Specifications, along with the other conditions which follow, and as provided, as well as all applicable provisions of the Specifications, form a part of the Contract and shall govern each Sub-contractor engaged in work on the project whether the work be let under separate contracts or under a single contract.

#### BASIC DEFINITIONS

1.2.1 The Contract Documents The Contract Documents consist of the Agreement between Owner and Sub-contractor, Conditions of the Contract and all documents listed below.

1.2.2 The Contract Documents shall include: Drawings as listed in the Index of this set. Specification Divisions 1-16 inclusive. All modifications issued after execution of the

Equipment installation hand book.

DEFINITIONS

Phrases used in the specifications are defined as follows: "as shown" - As shown on the accompanying drawings. "provide" - Provide and install complete, with all necessary accessories and incidental materials and supplies. "provided by Owner" - Materials or goods will be delivered F.O.B. jobsite by the Owner at no expense to the Sub Contractor. Unloading, storage, installation, and/or assembly of items "provided by Owner" shall be by Sub-contractor unless otherwise noted. "install" - Install items, complete, providing all incidental and necessary supplies and materials. "Sub-contractor" — The contractor or any or all of his various subcontractors. "Owner" - The Owner or his appointed representatives otherwise indicated. Allow for expansions and building movements.

#### ARTICLE 2

2.1 All subcontractors are required to obtain the following Insurance, and at their request furnish evidence to the Owner. All insurance shall name Owner as additional insured parties.

2.1.1 Workman's Compensation Insurance in accordance with the laws of the State in which the property is located and the Owner requirements. Owner shall keep a copy in file all the time.

2.1.2 Comprehensive General Liability Insurance including Contractual Liability with limits set forth by the lease and the Owner requirements.

2.1.3 Automobile Liability Insurance including Contractual Liability as set forth by the lease and the Owner requirements.

2.1.4 Builder's Risk Insurance in the amount of the estimated cost of Owner —improvements.

#### 2.2 Indemnification

The Sub-contractor agrees to indemnify and save harmless the Owner. its agents, servants, and employees, and the Owner's Architect and Engineer from and against any and all liability or damage to property occasioned by any act or omission of the subcontractors, servants, or employees, including any and all expense, legal or otherwise, which may be incurred by the Owner, its agents, servants, or employees in the defense of any claim, settlement or suit.

#### ARTICLE 3 EXTRA WORK

3.1 Any and all work which is performed by any Sub-contractor, without having specific approval from the Owner in writing, shall be performed by said Sub-contractor at his own risk without any obligation or responsibility of the Owner or the Architect. All work which is above and beyond the scope of the Drawings and Specifications, or any part of the Construction Documents, must be specifically authorized by the Owner in writing. All requests for additional payments must be approved by the Owner prior to the start of that work.

The following General Requirements supplement and/or supersede the foregoing General and Supplementary Conditions for Contract Work and are hereby considered a part of the Contract Documents.

#### **DIVISION 1**

#### GENERAL REQUIREMENTS

SUMMARY OF WORK: SECTION 01000 NOTE: All of the work under each heading of these specifications shall be governed

by the General Conditions, Special Provisions, the Drawings and the Specifications, as well as the following General Requirements:

The Work under each heading of these specifications shall include all labor, material, equipment and services necessary for and said heading as indicated on the drawings, set forth in the specifications, or otherwise required.

Work done hereunder includes furnishing all labor, material services, and equipment necessary and/or incidental to perform all work through the proper completion of all Work as may be further specified and/or a shown on the plans, or otherwise required. In case of conflict between drawings and specifications the Contractor will be deemed

to have estimated on, and agreed to provide, the greatest quantity and better quality of materials and Work.

Include general construction, civil, electrical, plumbing, HVAC, landscape, and installation of all such Work except as hereinafter may be required.

#### ITEMS FURNISHED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR.

shall be the Sub-contractor's sole responsibility to receive, check and confirm the arrival in good order, of all items called for to be furnished by the Owner and installed by the Sub-contractor. The Sub-contractor shall notify the Owner (IN WRITING) of any such items miss or damaged within 3 days of receiving date. Failure to so notify the Owner will be considered proof presumptive that all said items have arrived undamaged, and in the proper quantities, and it shall then be the Sub-contractor's responsibility (AT HIS OWN COST) to promptly reorder, replace and/or repair any such items needed for the proper \_completion of this project, on the agreed date of completion.

The Sub-contractor shall be responsible for an accurate taking of job site measurements, verifying same, and promptly furnishing exact job site measurements to all parties requiring same. Sub-contractor must notify Owner/Architect of any discrepancies immediately. The Sub-contractor shall check sales casework shop drawings as to correct angles and fit to the existing space as shown. The Sub-contractor shall permanently layout the casework on the floor prior to the construction of wall, ceiling, light fixtures, etc.

Written dimensions shall take precedence over scaled dimensions. Larger scale drawings shall take precedence over smaller scale drawing.

upon the material or item of equipment specified

Bidders may offer substitutions for any item specification by submitting in writing as outlying in space provided on proposal form.

IT SHALL BE UNDERSTOOD by all herein concerned that any proposal substitution shall have the written approval of Architect and/or Owner's Representative, before being used by Sub-contractor, otherwise it will be assumed that the Sub-contractor's total bid is based

#### EXAMINATION OF SITE AND DOCUMENT:

Before submitting a proposal, each bidder shall examine all documents, visit the site, verifying any special charges or requirements, comparing each to the other and informing themselves of all conditions under which work is to be performed.

Each bidder shall base his proposal on material, methods and/or equipment complying

with the specifications and drawings. Where directions or instructions are stated, without specific reference as to who is responsible the inference is intended to be the Suc-contractor for the Work in the

specification section in which the directions or instructions are intended.

CODES AND STANDARD: All Work, materials and installation shall be in strict accordance with all ordinances, state and local building codes, latest edition, of the authorities having jurisdiction.

Design Loads: Loads and code restrictions for all design considerations shall confirm to the Local and State codes, and all governing codes.

### he Sub-contractor shall be responsible for the proper application for and securing of

all necessary permits, as well as the observance of all applicable City, County, State and Federal Laws, Regulations, or Ordinances, Landlord requirements and shall include in their proposal cost of same.

#### APPLICATION OF MATERIALS AND/OR EQUIPMENT: Attention is hereby directed to the following requirement for Sub-contractor:

That the application of a material and/or equipment item to unsatisfactory work installed by others, constitutes acceptance of that Work and assumption of full responsibility for prior to starting the specific application, notify in writing the Architect and/or Owner's Representative of any defect or deficiency which would impair complete and satisfactory applications or installation of his Work or guarantee.

#### MANUFACTURERS INSTRUCTIONS:

Where installations include manufactured products, comply with manufacturer's applicable instructions and recommendations for installation, to the extent these are more explicit or more stringent than requirements indicated in the Contract Documents.

Provide attachment and connection devises and methods for securing work properly as it is installed; true to line and level, and within recognized industry tolerances if not

Provide uniform joint widths in exposed work, organized for best possible visual effect. Refer questionable visual-effect choices to Architect/Owner's representative for final decision. Recheck measurements and dimensions of the work, as an integral step of starting each installation.

#### Mounting Heights:

Where mounting heights are not indicated, mount individual units of work at industry—recognized standard mounting heights for applications indicated. Refer questionsable mounting height choices to Architect/Owner's representative for final

PROTECTION AND CLEAN UP: he Sub-contractor shall be responsible for the proper protection of adjacent items and surfaces from damage resulting from the furnishing or installation of his Work and shall promptly replace, at his own cost, such damaged Work. He shall also be responsible for the proper protection of his and others Work from damage by any including freezing or overheating. Use plastic covering over furniture, display cases, equipment and finishes. The Sub-contractor shall remove all debris from the premises on a daily basis; all dust and construction debris are to be removed. Any broken, damaged, marred, unclean, or otherwise imperfect work shall be corrected by the Sub-contractor before his Work shall be

considered complete. Use dust barriers. Upon completion of the Work interior and exterior of all glass and glazing, floors, walls and ceiling surfaces, electrical fixtures, mechanical equipment, etc.; it is necessary to remove all dirt, stains, and marks. All signs, glass and wood shall be cleaned and polished. The project shall be made clean and fit for immediate occupancy by an independent cleaning agent, with the approval of Owner, at the Sub-contractor's expense. Sub-contractor is to supervise and schedule proper installation of all parts of Work pertaining to a finished by him or by the Owne

The Sub-contractor shall guarantee the Work to be free from defects of materials or workmanship, including discoloration, rattling and leaking, for a period of one year from the date of final payment. Application by the Sub-contractor for final payment shall be considered as presumptive evidence of his full understanding of and agreement with conditions of the guarantee provision, and he shall remove and replace with new, at his own expense, all such work or materials found by the Owner's Representative to be defective within the guarantee period.

#### APPROVAL OF SUBCONTRACTOR:

he Sub-contractor agrees that he is fully responsible to Owner for the acts and omissions of his subcontractors and of persons directly employed by him. Nothing contained in the Contract Documents shall create any contractual relation between any subcontractor and the Owner.

#### SECTION 01200 TEMPORARY FACILITIES

Provide and complete all preliminary work and temporary construction required as

#### TEMPORARY BARRICADE:

Install temporary barricade as required by city or county officials in manner stipulated by

#### LIGHT AND POWER:

Provided by Electrical Sub-contractor or reuse existing from location of Landlord's service and pay all cost for same, for all Sub-contractor(s) to subject space.

#### WATER SUPPLY:

The Sub-contractor shall make all necessary arrangements for permanent water services, water meter, and pressure regulator for all purposes of construction, paying all costs in connection with same, and for all water used. This shall include all means of conveying

#### same to place where required.

ELECTRICAL ENERGY: The Sub-contractor shall make all necessary applications, pay all dues and charges, obtain necessary permits, provide and maintain electrical energy from developers permanent electrical facilities for lighting, power for all electric tools and equipment required in construction of all branches of the Work and pay for all current used.

#### TELEPHONE:

beginning of project for the use of those connected with the Work and furnish free elephone services on all local calls. If project telephone already exists, provide additional phone. Beepers do not qualify as telephone.

#### FIRE PROTECTION:

Sub-contractor shall provide fire extinguishers within the premises as required by code and/or insurance companies, or verify that one is existing in the case of a remodeling. Disconnect and seal utilities serving structure to be demolished, prior to start of demolition work.

#### STRICTLY PROHIBITED WORK AND PRACTICES:

Installation of any combustible materials above finished ceilings or in any other concealed, non-sprinklered space.

Imposing any structural load, temporary or permanent, on any part of the Landlord's work or structure without approval.

Cutting any hole in Landlord—installed floor slabs, walls or roof without proper approvals and not in accordance with instructions herein and proper construction procedures. Attaching any work to metal deck or hanging from plumbing and sprinkler piping or

#### POLLUTION CONTROLS:

Use water sprinkling, temporary enclosures, and other suitable methods to limit dust and dirt rising and scattered in air to lowest practical level. Comply with governing regulations pertaining to environmental projection. Do not use water when it may create hazardous or objectionable conditions such as ice, flooding and pollution.

Clean adjacent structures and improvements of dust, dirt and debris caused by demolition operations, as directed by Architect or governing authorities. Return adjacent areas to condition existing prior to start of work.

#### Provide concrete as specified in drawings.

LIGHT GAUGE METAL FRAMING SECTION 05000

MATERIALS: FURNISH galvanized structural steel 'C' studs sizes, minimum 18 gage or as indicated on drawings and as required with all necessary accessories. INSTALLATION:

INSTALL metal framing systems in accordance with manufacturer's printed or written instructions and recommendations, unless otherwise indicated. Install continuous tracks—sized to match studs, Secure tracks as recommended by stud manufacturer for type of construction involved.

Set studs plumb, except as needed for diagonal bracing or required for non-plumb walls or warped surfaces and similar requirements.

Install supplementary framing, blocking and bracing in metal framing system whenever walls or partitions are indicated to support fixtures, equipment, services, casework, heavy trim and furnishings, and similar work.

Secure studs to top and bottom runner tracks by either welding or screw fastening at

both inside and outside flanges. Install horizontal stiffeners in stud system as required, spaces (vertical distance) at not more than 4'-6" O.C.

GENERAL NOTES: PROVIDE AND OR INSTALL all rough carpentry, finish carpentry including millwork, finish

hardware, rough hardware, fastening devices, and miscellaneous accessories as may be required herein and/or shown on the drawings.

soffits, ceilings, storefront as noted & where shown using members as required.

SECTION 06000 ROUGH CARPENTRY FURNISH AND INSTALL all framing as may be required for interior partition, baffle, walls,

DIMENSION LUMBER AND BOARDS: No.1 Pine or No.1 Fir, sound, thoroughly seasoned, free from warp. Construction as

#### PLYWOOD PANELS:

required for framing, blocking, furring,

non-staining if exposed to exterior.

FOR USE as indicated on drawings. (Wall mount self, electrical, telephone and security panel backup, etc.)

#### FASTENING DEVICES: FURNISH all anchors, bolts, screws, etc., as may be required; non-corrosive and

PRESSURE TREAT all wood to be permanently fastened into place with "Non-Com"

chemical process as manufactured by Koppers Company, Inc., Forest Products Division,

complying with Underwriters Laboratories, Inc., fire hazard classification of flame spread

### 15 or less, all such wood to be properly labeled prior to delivery.

Types of finish carpentry work include: (if required)

SECTION 06200 FINISH CARPENTRY FURNISH AND INSTALL all that is required for doors and frames, finish trim and paneling.

#### Moldings

HARDWOOD:

Paint grade hardwood for interior moldings and trim in sizes as indicated on the drawing.

DIVISION 7 MOISTURE PROTECTION

DOORS AND WINDOWS

FLUSH WOOD DOORS

FINISH HARDWARE

#### DMSION 8 SECTION 08210

PROVIDE AND INSTALL standard insulated metal door. INSTALL doors to comply with manufacturer's instructions. Fit

doors to frames with uniform clearance and bevels. Machine doors for hardware, if required. Refinish or replace doors damaged during installation.

PROVIDE finish hardware throughout the Work as needed for a

complete installation as specified on the Drawinas. NOTE: All hardware shall be installed to allow for vinyl wall covering

#### FASTENERS:

SECTION 08710

and wood trim where such occur.

PROVIDE all hardware with all necessary screws, and other fasteners of suitable size and type to anchor the hardware in position for long life under hard use. Furnish items complete with expansion shields, toggle bolts, and other anchors, in accordance with the material to which the hardware is to be applied and the recommendations of the hardware manufacturer. Fastener finish shall harmonize with the hardware material.

COORDINATE with other trades to assure proper and adequate provision in the Work of those trades for interface with the Work of this Section.

INSTALL hardware items in accordance with Hardware Schedule, the Door and Hardware Institute, and with local codes. The Sub-contractor shall furnish and maintain on the job site, a temporary telephone at the Install hardware in accordance with manufacturer's printed instructions. Set all hardware level, plumb and true to line.

ADJUST and check operation of every unit. Replace units which cannot be adjusted to operate freely and smoothly.

#### DIVISION 9 SECTION 09250 GYPSUM DRYWAL

PROVIDE all Work in accordance with manufacturer's directions as required herein, and as shown on the drawings for complete erection and finishing for drywall partitions, soffits, etc., including metal studs and all accessories as may be required.

#### MATERIALS:

PRODUCTS herein specified are identified by reference to United States Gypsum Company. However, similar products of the National Gypsum, Penn Metal or Inland Steel Companies will be acceptable.

### 2.WATER RESISTANT GYPSUM WALL BOARD.

#### 5/8" water resistant board for tile work 48" high wet areas. 3. METAL STUDS:

Channel - type roll form 25 gauge min. (Unless otherwise indicated) electrogalvanized steel in width as shown.

#### Include metal runners. 1.GYPUSM WALLBOARD (GYP. BD.):

Tapered edge 48" wide in lengths as required. Firecode 5/8" one hour fire rating and 1/2" where indicated, or as

#### 4. CARRYING CHANNELS AND HANGING WIRE: 1 1/2" deep, 475 lb. per 1,000 feet.

#### Minimum 8 gauge hanging wire at 48" O.C. each way. 5. FURRING CHANNELS:

#### 7/8" hat shaped. JOINT TREATMENT:

7. CORNER BEAD: Standard or multiplex types

Perf-A-Tape and cement

No. 200 and 300 only in sizes as appropriate for edges and

#### recesses of board where exposed. 9. PERF-A-BEAD AND EDGE TRIM:

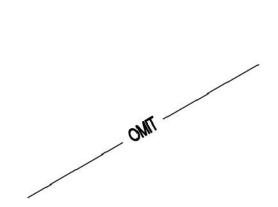
#### Perf-A-Trim. 10. FASTENERS:

8. CASING BEAD:

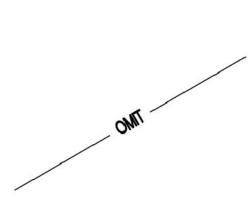
Type "S" bugle head self-drilling, self-tapping in lengths as required. Use with power screw driver.

#### INSTALLATION:

COMPLY with "Gypsum Construction Handbook" by United States Gypsum Co., and "Recommended Specifications for the Application and finishing of Gypsum Board" by the Gypsum Association for all installation work. SECTION 09300 NOT USED



SECTION 09510 NOT USED ACOUSTICAL CEILINGS



#### SECTION 09650 NOT USED RESILIENT FLOORING

SECTION 09900 WORK INCLUDES surfaces preparation and painting or finishing of all interior surfaces exposed to view, throughout the Project. Where items or surfaces are not specifically mentioned, paint the same as similar adjacent materials or areas. The Work of this Section includes, but is not necessarily limited to painting or finishing of the following items.

#### All interior drywall surfaces not finished otherwise. MATERIALS:

PROVIDE products equal to materials listed in the Finish Schedule. Note that proprietary names used to designate colors (on the Drawings) or materials (scheduled herein) are not intended to imply that products of named manufacturer are required to exclusion of equivalent products of other manufacturers. Prior approval of Owners Representative required.

#### SURFACE PREPARATION: CLEAN surfaces of dirt, rust scale, grease, moisture, or other

conditions otherwise detrimental to formation of a durable paint film. Perform preparation and cleaning procedures in accordance with paint manufacturer's printed instructions for each particular substrate condition.

CLEAN surfaces of dirt, oil and other foreign substances with mineral spirits, and sandpaper and dust off prior to finishing. REMOVE hardware, accessories, plates, lighting fixtures, and

similar items in place and not to be finish-painted, or provide

surfaced-applies protection prior to surface preparation and

painting operations. Remove, if necessary, for completion of

COMPLY with manufacturer's printed directions in applying paint materials. Use applicators and techniques best suited for substrate and type of material being applied.

painting of each space or area, reinstall removed items.

#### SCHEDULING:

APPLY first-coat material to surfaces that have been cleaned, pretreated or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration. Allow sufficient time between successive coating to permit proper drying. Do not recoat until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.

APPLY PAINT to completely cover previously painted surfaces, to provide an opaque, smooth surface of uniform finish, color, appearance and coverage. Cloudiness, spotting, holidays, lap marks, brush marks, runs, sags, ropiness or other surface imperfections will not be acceptable.

APPLY ADDITIONAL PAINT coats when undercoats, stains or other conditions show through final coat of paint, until paint film is of uniform finish, color and appearance. Give special attention to insure that surfaces, including edges, corners, crevices, and exposed fasteners receive a dry film thickness equivalent to that if flat surfaces. Remove, refinish or repaint Work not in compliance with specified requirements.

DURING the progress of the Work, remove from site discarded paint materials, rubbish, cans and rags at end of each work day. Upon completion of painting Work, clean window glass and other paintsplattered surfaces. Remove spattered paint of otherwise or defaced painted surfaces after completion of Work of other trades. If Owner deems clean-up is not satisfactory, an independent cleaning service will be brought in, at the Sub-contractor's expense to complete the clean-up.

#### PAINT SCHEDULE:

**SECTION 10522** 

SEE PAINT SCHEDULE. \* Final finish is subject to approval by Owner, if finish is deemed unsatisfactory, another application will be required at the contractors expense.

#### PROVIDE one (1) Class ABC, 10 lb. dry chemical or as required by the local Fire Marshall and furnished by Sub-contractor at the start of

construction EQUIPMENT DIVISION 11 All store fixtures Not in Contract.

FIRE EXTINGUISHER

FURNISHINGS

#### DMSION 12 All store furnishings not in contract.

FIRE PREVENTION NOTES All work shall comply with the version of the international Fire Code (IFC)

as amended and adopted by the local agencies having authority. The Sub-contractor shall provide min. one 2A10BC fire extinguisher within 75 ft. travel distance for each 6,000 s.f. or portion thereof on each floor. (I.F.C. Article 906.

Penetrations of rated walls shall be protected by assemblies of appropriate rating, including doors, ducts, etc.

All required fire damper assemblies including sleeves and installation procedures shall be approved by the Building Department Inspector prior to installation.

required by the local agencies having authority and the Landlord shall be provided and installed by the Mechanical Contractor. All work done on existing rated walls shall be repaired to maintain

All air-handling cut-off and smoke-detected fire damping equipment

the existing rating. The Sub-contractor shall provide new fire proofing as required by code throughout the space.

Where required, flame spread ratings of material used in the

construction will be supplied to the Fire Department by the Sub-contractor ordering the materials. Illuminated exit signs with battery packs and audible signals shall be

provided as shown on the drawings and as required by code. All exit signs to be wired to a dedicated circuit. Coordinate fire sprinkler system requirements with the Landlord.

Installation shall comply with the "NFPA 13".

to the Fire Marshal approval prior to installation.

or road fronting the property (I.F.C. Sec. 505.)

condition I.F.C. Sec. 805.0

Interior finish shall comply with codes as follows: I.B.C. Chapter 8 All decorative materials shall be maintained in a flame—retardant

Building occupant shall secure permits required by the Fire Department prior to occupying this building. Building numbers shall be easily visible and legible form the street

Plans for all fixed fire protection equipment shall be submitted

#### TURNOVER REQUIREMENTS

The Sub-contractor shall arrange for all inspections and furnish Owners representative with the Certificate of Occupancy. Sub-contractor is also to provide a type written list of names, addresses and phone numbers of all subcontractors and material suppliers.

The Sub-contractor shall be responsible for having the entire store clean and spotless at the time of furniture installation and at

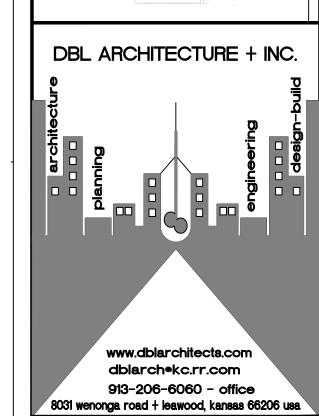
Prior to the store opening, Sub-contractor is to arrange for an Independent Balancing Contractor to balance the HVAC system and provide a copy of the balancing report to the Landlord and Owner's

If required by Landlord the Sub-contractor shall secure any necessary approvals for the store sprinkler system for the Landlord's insurance carrier.

Sub-contractor to turn overall keys to the Owner's representative and marking each key for identification. The Sub-contractor shall set all time clocks, thermostats, etc. per Owner's representative's requirements.

The Sub-contractor shall explain the operation of all mechanical systems to the Owner's representative and providing four bound copies of operation, maintenance and warranty manuals.

4-1-25



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from such use shall not be enforceable Any revision or partial revision of these drawings without the permission of DBL ARCHITECTURE + INC. shall constitute a breech of contract. Any claims arising from such revisions shall not be

Construction from these drawings shall only commence upon receipt of a full permit as issued by the appropriate government body Any construction without the total permit shall constitute a breech of contract. Any claims arising from such construction shall not be

A NEW SANDWICH RESTAURANT 869 SW Lemans Ln, Lee's Summit, MO 64082

CONTRACT INITIATION March 19, 2025 AS-BUILT MEASURING/COMPLETION

3/20/25 OWNER'S DESIGN REVIEW

PLANNING PRE-APP REVIEW PLANNING SPECIAL USE SUBMITTAL

OWNER'S CD REVIEW ?/?/25 PLANS AVAILABLE FOR PERMIT SUBMIT

4/1/25

### PLANS PERMIT RESUBMIT **REVISIONS:**

REVISED PER CITY **/1** \ ?/?/25 REVISED PER CITY /2 \ ?/?/25

ISHEET TITLE: GENERAL SPECIFICATIONS

### ISHEET NO.: **A5**

PROJECT NUMBER : 031925

within in these drawings. Coordinate with owner prior to bid and installation. It is the responsibility of EACH subcontractor to ensure they understand their requirements under these requirements and any additional work that may be required by the owner prior to bid, awarding of contract and start of construction

Each subcontractor that is hired on this project shall adhere to the requirements

#### DIVISION 1 - GENERAL REQUIREMENTS

#### INSTRUCTIONS TO BIDDERS

#### . UTILITY COMPANIES

1) SUB-CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANIES THE TIMELY OR-DERING AND INSTALLATION OF TEMPORARY AND PERMANENT SERVICES TO THE

#### PROJECT COORDINATION

#### A. DESCRIPTION

- THE SUB-CONTRACTOR SHALL COOPERATE WITH THE OWNER AND OTHER CON-TRACTORS PERFORMING WORK UNDER SEPARATE CONTRACT TO ENSURE PROJECT PROGRESS ACCORDING TO SCHEDULE.
- 2) THE SUB-CONTRACTOR SHALL COORDINATE THE WORK OF THE VARIOUS TRADES INCLUDING OWNER'S EQUIPMENT CONTRACTOR.
- 3) THE SUB-CONTRACTOR SHALL NOT REQUEST DELIVERY AND/OR INSTALLATION OF EQUIPMENT UNTIL ALL FLOOR, CEILING AND WALL FINISHES ARE COMPELETE IN THE AREAS ADJACENT TO EQUIPMENT, AND BUILDING IS COMPLETELY ENCLOSED.
- 4) THE SUB-CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS FOR FINAL UTILITY HOOKUP OF SERVICE EQUIPMENT.
- 5) THE SUB-CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS FOR INSTALLATION OF GAS SOLENIOD VALVES FURNISHED BY SERVICE EQUIPMENT CONTRACTOR

#### DIVISION 2 - SITE WORK

- LOCATE EXISTING UNDERGROUND UTILITIES BY CAREFUL HAND EXCAVATION BEFORE STARTING EARTHWORK OPERATIONS. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE PROTECTION FROM DAMAGE DURING CONSTRUCTION OPERATIONS. CON-TACT LOCAL UTILITY COMPANY FOR INFORMATION REGARDING UNDERGROUND
- SHOULD UNCHARTED OR INCORRECTLY CHARGED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE OWNER IMMEDIATELY FOR DIRECTIONS AS TO PROCEDURES. REPAIR DAMAGED UTILITIES TO THE SATIS-FACTION OF THE UTILITY OWNER. COOPERATE WITH THE OWNER, AND PUBLIC AND PRIVATE UTILITY COMPANIES IN KEEPING SERVICES AND FACILITIES IN OPER-
- BARRICADE OPEN EXCAVATION AND POST WITH WARNING LIGHTS FOR THE SAFETY OF PERSONS, OPERATING WARNING LIGHT DURING HOURS OF DUSK TO DAWN
- PROTECT STRUCTURE, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS, FROM DAMAGES CAUSED BY SETTLE-MENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.
- ALL FILL AND BACK FILL SHALL BE SELECTED FILL MATERIAL COMPACTED TO AT LEAST 90% OF THE MAXIMUM DENSITY OBTAINABLE BY THE ASTM D1557 METHOD OF COMPACTING. UNLESS NOTED OTHERWISE ON THE SOILS REPORT. GRADING PLAN AND EARTHWORK SPECIFICATIONS USE NON-EXPANSION FILL MATERIAL AT BUILDING AREA AND UNDER WALKS. ALL COMPACTING SHALL BE SUPERVISED AND CERTIFIED BY A LICENSED SOILS ENGINEER AND CERTIFICATION REPORT SHALL BE SUBMITTED TO OWNER PRIOR TO PLACING OF CONCRETE.

#### CONCRETE PAVING

- A. SEE GRADING AND PAVING PORTION OF SITE PREPARATION PROCEDURES ON THE SITE AND/OR GRADING PLAN.
- B. MATERIALS:
- 1) BASE COURSE: AS NOTED ON CIVIL PLANS
- 2) CONCRETE PAVING: RE: CIVIL PLANS
- 3) PAVEMENT MARKINGS, PARKING STALL STRIPES SHALL BE: EPOXY PAINT 2 COATS MIN. - COLOR PER PLANS

PROVIDE ALL CONCRETE WORK COMPLETE, AS SHOWN ON THE DRAWINGS HEREIN SPECIFIED, INCLUDING CONCRETE FORM WORK, REINFORCEMENT. DOWELS AND ACCESSORIES, CONCRETE MIXED, PLACE, FINISHED AND CURED.

- A. EXTERIOR WALKS AND RAMPS TO BE BROOM TEXTURE FINISH.
- B. EXTERIOR FLATWORK AND CURBS PROVIDE EXPANSION CONTRACTION JOINT AND CONTROL JOINTS PER CIVIL DRAWINGS

#### **DIVISION 3 - CONCRETE**

#### CONCRETE AND EMBEDDED ITEMS

- ALL CONCRETE SHALL BE MIXED, FORMED AND PLACED ACCORDING TO
- CONCRETE SHALL BE MACHINE MIXED USING A MAXIMUM OF 7 GALLONS OF WATER PER SACK OF CEMENT. READYMIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94. MIX AT A RATE OF 5 SACKS OF CEMENT PER CUBIC YARD. MAXIMUM SLUMP SHALL BE 5" AS MEASURED BY THE ASTM "STANDARD METHOD OF TESTING FOR SLUMP OF PORTLAND CEMENT CONCRETE".
- CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH PER STRUCTURAL AND CIVIL DRAWINGS
- CEMENT FOR CONCRETE OR MASONRY MORTAR SHALL BE A STANDARD BRAND "PORTLAND CEMENT", MEETING THE REQUIREMENT OF ASTM C-150. CEMENT SHALL BE "TYPE II". (USE TYPE V CEMENT IF REQUIRED BY THE SOILS REPORT)
- AGGREGATES FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM
- CONTRACTOR MAY USE AN APPROVED WATER REDUCING ADMIXTURE CON-FORMING TO ASTM C-494.
- SLAB ON GRADE SHALL BE POURED ON FIRM, MOISTENED, COMPACT EARTH. CONSTRUCTION OR CRACK-CONTROL JOINTS SHALL BE SPACED PER STRUCTURAL DRAWINGS
- ALL REINFORCING STEEL, ANCHOR BOLTS AND OTHER INSERTS SHALL BE SECURELY FASTENED IN THE FORMS PRIOR TO POURING CONCRETE.
- ALL BOLTS SHALL HAVE A STANDARD BOLT HEAD OR A 1 1/4" 90 DEGREE BEND AT EMBEDDED END. ANCHOR BOLTS SHALL BE SPACED 6'-0" ON CENTER MAXIMUM. MINIMUM EMBEDMENT OF ANCHOR BOLTS SHALL BE 9" INTO FOOTINGS, 5 1/2" INTO MASONRY, & 4 1/2" INTO VERT. CONC. SURFACES.

#### CONCRETE AND EMBEDDED ITEMS - CONT.

- J. EXPANSION BOLTS, SUCH AS PHILLIPS RED HEAD, ETC., MAY BE USED IN LIEU OF ANCHOR BOLTS WHERE SPECIAL CONDITIONS WARRANT THEIR USE PROVIDED THAT WRITTEN APPROVAL OF THE ENGINEER IS OBTAINED. SIZE OF SUCH ANCHORS SHALL BE ONE NOMINAL SIZE LARGER OR THEIR NUMBER SHALL BE INCREASED BY 25% WHERE APPLIED TO VERTICAL SURFACES.
- K. GROUT SHALL CONSIST OF 1 PART CEMENT, TO NOT MORE THAN 3 PARTS SAND AND NOT LESS THAN 1 PART NOR MORE THAN 2 PARTS PEA GRAVEL BASED ON DRY LOOSE VOLUMES. GROUT SHALL BE OF FLUID CONSISTENCY. APPROVED ADMIXTURES MAY BE ADDED TO THE GROUT MIX. GROUT SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.
- L. DRYPACK SHALL CONSIST OF 1 PART CEMENT. 4 PARTS SAND. BASED ON DRY LOOSE VOLUMES AND NOT LESS THAN 1/4 PART, NOR MORE THAN 1/2 PART LIME PUTTY OR DRY HYDRATED LIME, DRYPACK SHALL OBTAIN A MINIMUM
- M. SEE DRAWINGS FOR MISCELLANEOUS IRON AND STEEL, ETC., TO BE CAST IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.
- N. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF ALL PIPES, CONDUITS, ETC.

ULTIMATE COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.

- O. PIPE OR DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY
- P. PIPE MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES, BUT NOT BE EMBEDDED THEREIN.

SEE REINFORCING STEEL SPECIFICATIONS ON DRAWING. FURNISH AND INSTALL ALL STEEL REINFORCING BARS AND WIRE FABRIC INDICATED ON DRAWINGS, INCLUDING THE WIRE.

#### STEEL REINFORCING

- A. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS CON-FORMING TO ASTM A-615, GRADE 60 TYPICALLY. LAP BARS A MINIMUM OF 36 DIAMETERS. STAGGER LAPS WHERE PERMISSIBLE. LAP BARS A MIN-IMUM OF 48 DIAMETERS IN MASONRY. USE GRADE 60 TYPICALLY, USE GRADE 40 FOR TIES & DOWELS.
- B. WIRE MESH SHALL CONFORM TO ASTM A-185. LAP 8" MINIMUM.
- C. FOOTING DOWELS SHALL MATCH VERTICAL WALL OR COLUMN STEEL. LAP 36 DIAMETERS MINIMUM.
- D. AT ALL OPENINGS IN CONCRETE, CONCRETE BLOCK AND BRICK MASONRY, PROVIDE AT LEAST 2-#5 BARS AT JAMBS, HEAD AND SILL, EXTENDING 2'-0" BEYOND EDGES OF OPENING.
- E. MINIMUM CONCRETE COVER SHALL BE: ...CONCRETE POURED AGAINST EARTH. FORMED CONCRETE WHICH WILL REMAIN IN CONTACT WITH EARTH. "...BEAMS, MEASURED TO MAIN STEEL; COLUMNS, MEASURED TO TIES OR SPIRALS: EXPOSED TO EARTH OR WEATHER. 3/4" ....SLABS; INSIDE FACES OF WALLS.

#### DIVISION 4 - MASONRY

#### GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF BOTH LOCAL AND INTERNATIONAL BUILDING CODE (I.B.C.) STANDARDS.
- 2) SUB-CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING ANY WORK. SPECIAL CARE SHALL BE GIVEN SITE AND BUILDING LAYOUT THEREON.
- THE SUB-CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE BRACES AND CONNECTIONS TO SUPPORT THE COMPONENT PARTS OF THE STRUCTURE UNTIL THE STRUCTURE ITSELF (INCLUDING THE FLOOR AND ROOF DIAPHRAMS) IS COMPLETE ENOUGH TO ADEQUATELY SUPPORT ITSELF.
- 4) OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ALL REQUIRED APPROVALS.
- COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.

#### CONCRETE MASONRY UNIT

- ALL CONCRETE BLOCK UNITS SHALL BE STANDARD WEIGHT GRADE "N", CONFORMING TO ASTM C-90. (F'm = 1500 PSI)
- 2) ALL SLUMPED BLOCK UNITS SHALL BE GRADE "N", CONFORMING TO ASTM C-90. (F'm = 1500 PSI)
- 3) CEMENT MORTAR SHALL CONSIST OF ONE PART CEMENT TO 3 1/2 SAND TO 1/4 LIME PUTTY. CEMENT MORTAR SHALL ATTAIN A MINIMUM ÚLTIMATE COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.
- ALL CELLS CONTAINING HORIZONTAL OR VERTICAL REINFORCING STEEL, BOLTS, OR INSERTS SHALL BE GROUTED. WHERE REINFORCING STEEL, ETC., OCCURS IN OR ADJACENT TO MORTAR JOINTS, THE CELLS ON EACH SIDE OF SAID STEEL, ETC., SHALL BE GROUTED. WHERE BLOCK WALL IS RETAINING EARTH OR IN CONTACT WITH EARTH, SUCH PORTION OR WALL SHALL BE GROUTED SOLID.
- 5) CLEANOUT OPENINGS SHALL BE PROVIDED AT BOTTOM OF ALL VERTICALLY GROUTED CELLS IF GROUT LIFT EXCEEDS 4'-0". MAXIMUM GROUT LIFT
- 6) WALL SHALL NOT BE GROUTED UNLESS SO SPECIFIED ON THE PLANS. WIRE MESH SHALL BE USED TO FORM HORIZONTALLY (PAPER, CARDBOARD. ETC., SHALL NOT BE USED).
- 7) ALL MASONRY WALLS IN EXCESS OF 10'-0" IN HEIGHT SHALL BE BRACED TO WITHSTAND A WIND LOAD OF 110 MPH BASIC WIND SPEED (3-SECOND GUST) APPLIED PERPENDICULAR TO WALL IN EITHER DIRECTION. BRACING SHALL REMAIN IN PLACE UNTIL ROOF DIAPHRAM (ETC.) IS COMPLETE ENOUGH TO SUPPORT THE WALL.

#### DMSION 5 - METALS

#### MISCELLANEOUS METALS

- A. CUSTOM FABRICATE FERROUS METAL ITEMS 16 GAUGE AND HEAVIER. REFER TO DRAWINGS AND DETAILS.
- B. MATERIALS: FURNISH GALVANIZED STRUCTURAL STEEL 'C' STUDS SIZES, MINIMUM 18 GAGE OR AS INDICATED ON DRAWINGS AND AS REQUIRED WITH ALL NECESSARY ACCESSORIES.
- INSTALLATION: INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S PRINTED OR WRITTEN INSTRUCTIONS AND RECOMMENDATIONS UNLESS OTHERWISE INDICATED. INSTALL CONTINUOUS TRACKS-SIZED TO MATCH STUDS, SECURE TRACKS AS RECOMMENDED BY STUD MANUFACTURER FOR TYPE OF CONSTRUCTION INVOLVED.
- SET STUDS PLUMB, EXCEPT AS NEEDED FOR DIAGONAL BRACING OR REQUIRED FOR NON-PLUMB WALLS OR WARPED SURFACES AND SIMILAR REQUIREMENTS.

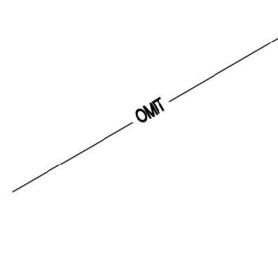
#### C. INSTALLATION - CONT.

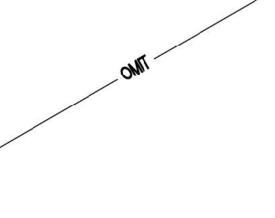
INSTALL SUPPLEMENTARY FRAMING, BLOCKING AND BRACING IN METAL FRAMING SYSTEM WHENEVER WALLS OR PARTITIONS ARE INDICATED TO SUPPORT FIXTURES, EQUIPMENT, SERVICES, CASEWORK, HEAVY TRIM AND FURNISHINGS, AND SIMILAR WORK.

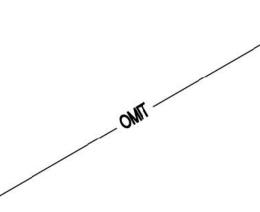
SECURE STUDS TO TOP AND BOTTOM RUNNER TRACKS BY EITHER WELDING OR SCREW FASTENING AT BOTH INSIDE AND OUTSIDE FLANGES.

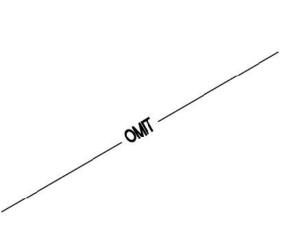
INSTALL HORIZONTAL STIFFENERS IN STUD SYSTEM AS REQUIRED, SPACES (VERTICAL DISTANCE) AT NOT MORE THAN 4'-6" O.C.

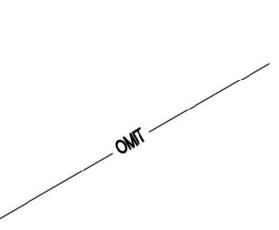
#### DIVISION 6 - WOOD AND PLASTICS - NOT USED











#### DIVISION 7 - THERMAL AND MOISTURE PROTECTION

#### ENERGY COMPLIANCE

- A. FIXED WINDOWS (GLASS): SHALL BE SEALED TO LIMIT AIR INFILTRATION.
- B. HOLLOW METAL OR SOLID CORE WOOD DOORS: PROVIDE VINYL OR SHEET METAL WEATHER SEAL AT HEAD, JAMB AND SILL AT EXTERIOR DOORS.
- C. EXTERIOR STOREFRONT HINGED DOORS: PROVIDE VINYL SEAL AT SILL AND CONTINUOUS PILE WEATHER-STRIP VERTICALLY AND AT TOP RAILS.
- D. OPEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATION, BETWEEN WALLS AND ROOF, BETWEEN WALL PANELS. AT PENETRATION OF UTILITIES THROUGH THE ENVELOPE, SHALL BE SEALED CAULKED OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE.

#### BUILDING INSULATION

#### A. WORK INCLUDED

FURNISH AND INSTALL RIGID, THERMAL BATT, AND SCUND BATT INSULATION

#### B. PRODUCTS: CONFIRM WITH OWNER PRIOR TO BID

- 1) RIGID INSULATION: JOHNSMANVILLE FESCO BOARD ROOF INSULATION (1" THICK) OVER JOHNSMANVILLE ENERGY 3 POLY- ISOCYANURATE BOARD ROOF INSULATION (3" THICK). MINIMUM R-19 RATING FOR FESCO BOARD AND RIGID INSULATION WITH IN THE ROOF ASSEMBLY. ADHERE TO ROOF SHEATHING PER MANUFACTERS RECOMENDATIONS AND U.L 901 UPLIFT REQUIREMENTS
- 2) BATT INSULATION: R-19, R-13, R-11 AS SHOWN ON PLANS, KRAFT FACED WITH STAPLING FLANGE FOR WOOD STUD WALL CONSTRUCTION, FOIL REIN-FORCED KRAFT FACING (FRK) WITH STAPLING FLANGE FOR WOOD STUD APP-LICATION IN ATTIC AREAS (FS-25 WITH FLAME SPREAD OF 25). AS MANU-FACTURED BY OWENS/CORNING FIBERGLASS, OR EQUAL.
- 3) SOUND BATT INSULATION: NON-COMBUSTIBLE MINERAL FIBERGLASS BATT WITH MINIMUM 3 1/2" THICKNESS.
- 4) VAPOR BARRIER: REINFORCED POLYETHYLENE FILM FOR USE IN ABOVE GRADE BUILDING CONSTRUCTION, 10 MIL MINIMUM THICKNESS. STEGO WRAP VAPOR BARRIER OR EQUAL.

#### MEMBRANE ROOFING

#### A. WORK INCLUDED

PROVIDE AND INSTALL MEMBRANE ROOFING AND BASE FLASHING AS CALLED OUT ON THESE PLANS AND/OR SPECIFICATIONS.

#### B. MATERIALS: CONFIRM WITH OWNER PRIOR TO BID

PROVIDE 40 MIL TPO MEMBRANE ROOF SYSTEM. MINIMUM 15 YEAR WARRANTY, ROOFING INSTALLATION BY MANUF. CERTIFIED INSTALLER.

#### C. INSTALLATION

- ROOFING SHALL BE INSTALLED OVER DECK OR INSULATED DECK, WHERE APPLICABLE. IN STRICT ACCORDANCE WITH THE MANUFACTURERS LATEST RECOMMENDATIONS.
- 2) ROOFING CONTRACTOR SHALL FURNISH AND INSTALL ASPHALT IMPREGNATED FIBER CANT STRIPS AT ALL VERTICAL JUNCTIONS OF WALLS AND ROOF...
- 3) PRIME ALL METAL FLASHING, ETC. THAT WILL BE IN CONTACT WITH ROOFING MATERIALS, WITH ASPHALT PRIMER AND ALLOW TO DRY BEFORE ROOFING MATERIALS ARE APPLIED.

#### D. WARRANTY

SUB-CONTRACTOR SHALL FURNISH A FIFTEEN (15) YEAR, NO DOLLAR LIMIT (NDL), WARRANTY FOR THIS INSTALLATION.

#### 4. FLASHING AND SHEET METAL

- A. FURNISH AND INSTALL ALL FLASHING, SHEET METAL, PITCH POCKET PANS AND SCUPPERS NOT SPECIFICALLY DESCRIBED IN OTHER SECTIONS OF THESE SPECIFICATIONS, BUT REQUIRED TO PREVENT WATER PENETRATION THROUGH EXTERIOR BUILDING SHELL, INCLUDING FLASHING, CAPS, AND ROOF EQUIPMENT PLATFORM COVERS.
- B. COMPLY WITH APPLICABLE RECOMMENDATIONS AND DETAILS OF THE "ARCHITECTURAL SHEET METAL MANUAL", BY SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (S.M.A.C.N.A.).
- C. INSTALL SHEET METAL OVER A LAYER OF ROOFING FELT.
- D. GALVANIZED IRON
  - SHEET METAL OR IRON SHALL BE A STANDARD BRAND OF OPEN-HEARTH, COPPER-BEARING STEEL, COPPER-MOLYBDENUM IRON, OR PURE IRON SHEETS. USE 24 GAUGE MINIMUM UNLESS OTHERWISE CALLED FOR ON THE DRAWINGS.
- ZINC COATING
- a. ALL GALVANIZED SHEETS SHALL HAVE A ZINC COATING APPLIED BY HOT-DIP PROCESS TO ALL SURFACES.
- b. ZINC COATING SHALL WEIGH NOT LESS THAN 1 1/4 OUNCES PER SQ. FT. NOR MORE THAN 1 1/2 OUNCES PER SQ. FT. OF SURFACES COVERED AND SHALL CONFORM WITH ASTM A-93.

#### ROOF ACCESSORIES - NOT USED



#### CAULKING AND SEALANTS

#### A. GENERAL BUILDING APPLICATIONS

- 1) FOR JOINTS WHERE MOVEMENT IS ANTICIPATED, USE A.C. HORN HORNFLEX (POLYSULFIDE) ONE COMPONENT SYSTEM IN THE COLOR WHICH MOST CLOSELY MATCHES THE ADJACENT SURFACES. SEALANT TO HAVE A SHORE "A" HARDNESS OF 20 TO 30.
- 2) FOR DRY JOINTS BETWEEN DISSIMILAR MATERIALS WHERE LITTLE MOVEMENT IS ANTICIPATED. USE A.C. HORN HORNSEAL ELASTONERIC CAULK (BUTYL RUBBER) ONE COMPONENT SYSTEM IN THE COLOR WHICH MOST CLOSELY MATCHE'S ADJACENT SURFACES.
- 3) GLAZING AND KITCHEN APPLICATIONS: GENERAL ELECTRIC SILICON CONSTRUCTION 1200 SEALANT.
- 4) SHEET METAL FLASHING AND COPING: GENERAL ELECTRIC SILPRUF SILICON WEATHER PROOFING SEALANT.
- 5) SUB-CONTRACTOR SHALL INCLUDE IN HIS WORK THE FOLLOWING: AFTER ALL EQUIPMENT AND WALL MATERIALS ARE INSTALLED. ALL JOINTS TO WALLS AND BASES SHALL BE SEALED WITH SILICONE SEALANT.
- 6) ALL INSIDE VERTICAL CERAMIC TILE CORNERS SHALL RECEIVE A TOOLED BEAD OF SILICONE SEALANT.

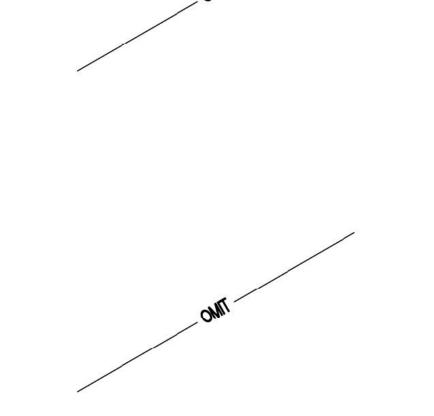
#### DIVISION 8 - DOORS AND WINDOWS

#### METAL DOORS AND FRAMES

#### A. WORK INCLUDED

- FURNISH AND INSTALL METAL DOORS AND DOOR FRAMES AS SHOWN ON THE DRAWINGS AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.
- B. MATERIALS
- 1) DOORS AND FRAMES SHALL BE EQUIVALENT TO STEELCRAFT, LABELED OR NONLABELED AND SIZE AS INDICATED ON DRAWINGS.
- 2) STEEL DOORS SHALL BE FULL-FLUSH DESIGN L-18 (18 GAUGE) REINFORCED FOR FINISH HARDWARE AND WITH BAKED ON PRIME PAINT STEEL FRAMES SHALL BE FURNISHED KNOCKED DOWN. TYPE F-16 (16 GAUGE). MITERED CORNERS SHALL HAVE HEAVY REINFORCEMENTS WITH FOUR TABS FOR SECURING AND INTERLOCKING JAMB TO HEAD. PROPER REINFORCEMENT AND CUTOUT FOR FINISH HARDWARE. FRAMES SUPPLIED WITH SUITABLE JAMB AND BASE ANCHORS, RUBBER BUMPERS AND PRIME PAINTED.

#### 2. WOOD DOORS - NOT USED



#### 3. GLAZING

- A. DOUBLE GLAZING: EQUAL TO PILKINGZON "OPTIFLOAT" CLEAR FLOAT GLASS TYPE: AIR-FILLED I.G. UNIT WITH SOLARE SOLAR CONTROL LOW-E INBOARD NUMBER 2 SURFACE. TOTAL THICKNESS OF PANEL IS ONE INCH AT STOREFRONT AND ONE HALF INCH AT GLASS DOORS. NOMINAL GLASS THICKNESS IS 1/4 INCH AT STOREFRONT AND 3/16" AT GLASS DOORS.
- B. ALL GLAZING SHALL CONFORM TO CONSUMER PRODUCT SAFETY COMMISSION STANDARD 16 CFR, PART 1201.

4. ALUMINUM STOREFRONT SYSTEM MANUFACTURER AND TYPE: THE SYSTEM SHALL BE AS NOTED ON THE DRAWNGS AS MANUFACTURED BY: KAWNEER COMPANY, INC., NORTHRUP ARCHITECTURAL

#### SYSTEM OR APPROVED EQUAL

- A. WINDOW WALL SYSTEM AND DOORS 1) TYPE: STRUCTURALLY REINFORCED, EXTRUDED ALUMINUM FRAMING COMPLETE WITH GLASS, NON-STRETCH HIGH SHORE VINYL AND ANCHORAGE ATTACH-MENTS AND SHIMS REQUIRED TO SECURE WINDOW WALLS TO BUILDING STRUCT-
- 2) DOORS: SHALL BE MEDIUM STILE TYPE WITH 10" BOTTOM. PROVIDE REINFOR-CING FOR OVERHEAD CLOSERS. SEE SECTION ON ENERGY COMPLIANCE.
- 3) FINISH: EXPOSED ALUMINUM SURFACES: SEE PLAN

Each subcontractor that is hired on this project shall adhere to the requirements

their requirements under these requirements and any additional work that may be

required by the owner prior to bid, awarding of contract and start of construction

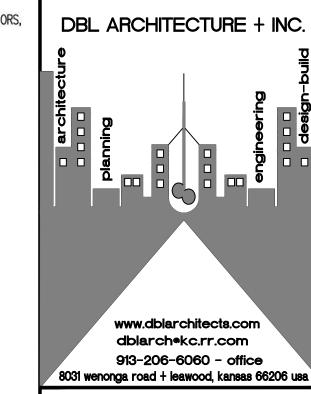
within in these drawings. Coordinate with owner prior to bid and installation.

It is the responsibility of EACH subcontractor to ensure they understand

INTERNAL WEEP AND DRAINAGE SYSTEM.

B. COMPONENTS AND MATERIALS FRAMES: SIZES AS SHOWN ON THE DRAWINGS, COMMERCIAL QUALITY EXTRUDED ALUMINUM (ASTM B221), COMPLETE WITH MATCHING PROFILE STOPS TO SUIT FRAMES AND OF ADEQUATE SIZE TO PROVIDE SUFFICIENT BITE ON GLASS. AND DRILLED HOLES. DEFLECTOR PLATES AND INTERNAL FLASHING TO ACCOMMODATE

# 4-1-25



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PLANS AVAILABLE FOR PERMIT SUBMIT

#### 4/1/25 PLANS PERMIT RESUBMIT

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### **REVISIONS:**

REVISED PER CITY ∕ 1 ∖ ?/?/25 REVISED PER CITY

### SHEET TITLE: **GENERAL SPECIFICATIONS**

## ISHEET NO.:

PROJECT NUMBER : 031925

#### DIVISION 8 - DOORS AND WINDOWS - CONT.

#### 6. FINISH HARDWARE

#### A. SECURITY NOTES

- ALL PIN-TYPE HINGES WHICH ARE ACCESSIBLE FROM OUTSIDE THE SECURED AREA WHEN THE DOOR IS CLOSED SHALL HAVE NON-REMOVABLE HINGE PINS. IN ADDITION, THEY SHALL HAVE 1/4" MINIMUM DIAMETER STEEL JAMB STUDS WITH 1/4" MINIMUM PROJECTION, UNLESS THE HINGES ARE SHAPED TO PREVENT DOOR REMOVAL IF HINGE PINS ARE REMOVED.
- STRIKE PLATES FOR LATCHES AND HOLDING DEVICES FOR PROJECTING DEAD-BOLTS IN WOOD CONSTRUCTION SHALL BE SECURED TO THE JAMB AND WALL FRAMING WITH SCREWS NOT LESS THAN 2 1/2" IN LENGTH.
- DEAD BOLTS SHALL CONTAIN HARDENED INSERTS.
- 4) STRAIGHT DEAD BOLTS SHALL HAVE A MINIMUM THROW OF 1" AND AN EMBED-
- 5) HOOK SHAPED OR EXPANDING LAG DEAD BOLTS SHALL HAVE A MINIMUM

CYLINDER GUARDS SHALL BE INSTALLED ON ALL CYLINDER LOCKS WHENEVER THE CYLINDER PROJECTS BEYOND THE FACE OF THE DOOR OR IS OTHERWISE ACCESS— IBLE TO GRIPPING TOOLS.

#### B. NOTES— HARDWARE

- 1) ALL LOCKSETS SHALL BE EQUIPPED WITH SIX (6) PIN INTERCHANGEABLE CORES.
- 2) KEYING: ALL CYLINDERS SHALL BE REMOVABLE CORE, MASTER KEYED TO
- 3) PROVIDE A SIGN AT EACH STOREFRONT DOOR STATING: "THIS DOOR MUST REMAIN UNLOCKED DURING BUSINESS HOURS". LETTERS SHALL NOT BE LESS THAN 1" HIGH ON A CONTRASTING BACKGROUND. THE SIGN SHALL BE INSTALLED BY THE GENERAL CONTRACTOR
- 4) THE ALUMINUM STOREFRONT DOOR FABRICATOR SHALL INSTALL THE DEADBOLT CYLINDER AND LOCK HARDWARE PRIOR TO DOOR DELIVERY TO THE SITE.
- TOILET ROOM ACCESSORIES SEE ARCHITECTURAL PLANS FOR TOILET FIXTURE SCHEDULE

#### DIVISION 9 - FINISHES

#### LATH AND PLASTER -<u>SEE SPEC PACKAGE PROVIDED BY OWNER</u>

LATH AND PLASTER WORK INCLUDES EXTERIOR PORTLAND CEMENT PLASTER SCRATCH AND BROWN COATS AND A TEXTURED FINISH COAT. ALL WORK TO BE COMPLETE WITH REQUIRED GROUNDS AND ACCESSORIES. PLASTER ON STUDS TO BE OVER LAYER GRADE "B" OF BUILDING PAPER AND PAPER BACKED, WIRE FABRIC LATH. METAL LATH ON EXTERIOR WALLS TO RECEIVE CERAMIC TILE WHERE SHOWN ON

#### B. PLASTER MATERIALS

- 1) PORTLAND CEMENT- TYPE I, CONFORMING TO REQUIREMENTS OF ASTM
- 2) HYDRATED LIME- NORMAL FINISHING TYPE CONFORMING TO ASTM C35.
- 3) AGGREGATE- NATURAL SAND, CONFORMING TO ASTM C35.
- ) WATER- CLEAN, POTABLE, FRESH AND FREE FROM INJURIOUS AMOUNTS OF

#### ACID, ALKALI, ORGANIC MATTER OR OTHER DELETERIOUS SUBSTANCES.

- CEMENT PLASTER BASE MIXES
- 1) MIX AND PROPORTION CEMENT PLASTER AS FOLLOWS:
- a. SCRATCH COAT— 1 PART CEMENT, 1/2 TO 3/4 PART LIME, 3 TO 4 b. BROWN COAT- 1 PART CEMENT, 1/2 TO 3/4 PART LIME, 3 TO 4 PARTS AGGREGATE.
- c. FINISH COAT- 1 PART WHITE CEMENT, 3/4 TO 1 PART LIME, 3 PARTS
- 2) MIX ONLY AS MUCH PLASTER AS CAN BE USED IN ONE (1) HOUR.

AGGREGATE. FLOAT FINISH WITH SAND TEXTURE.

- 3) MIX MATERIALS DRY. TO UNIFORM COLOR AND CONSISTENCY, BEFORE ADDING
- 4) PROTECT MIXES FROM FROST, DUST AND EVAPORATION.
- 5) DO NOT RETEMPER MIXES AFTER INITIAL SET HAS OCCURRED.

#### METAL LATH AND ACCESSORIES

DETAILS AND SPECIFICATIONS ARE BASED ON THESE PRODUCTS. SUBSTITUTIONS MUST BE EQUAL IN FUNCTION AND DESIGN.

- WIRE FABRIC LATH- SINGLE PLY, PRE-FURRED, PAPER BACKED, 1 1/2 X 17 GAUGE, HEXAGON SHAPED, GALVANIZED, WOVEN WIRE STUCCO NETTING IS FIRMLY ADHERED TO WEATHER RESISTANT, GRADE ASPHALT IMPREGNATED PAPER BACKING WITH WATERPROOF ADHESIVE. AVAILABLE IN ROLLS. "PLASTERBAK" BY DAVISWALKER CORPORATION, OR "STUCCO NETTING" BY K-LATH, 3.4# GALVANIZED METAL LATH AT EXTERIOR SOFFITS.
- 2) TILE AT PLYWOOD SHEATHED WALLS- INSTALL GRADE "B" BUILDING FELT UNDERLAYMENT TO RECEIVE PAPER BACKED LATH.
- 3) BUILDING PAPER- GRADE "D" AND GRADE "B".
- 4) ACCESSORIES— EXPANSION CONTROL SCREED NO. J-4-U-7/8" WITH 1/4" GAP, 26 GAUGE GALVANIZED STEEL; SEPARATION SCREED 17-7/8", 26 GAUGE GALVANIZED STEEL; SOFFIT AND FOUNDATIONS DRIP MOULD NO. 5, 24 GAUGE GALVANIZED STEEL BY "SUPERIOR METAL

#### GYPSUM DRYWALL

ALL GYPSUM DRYWALL TO BE:

- A. FIRE—RATED GYPSUM WALLBOARD— ASTM C63078. USE 4 FEET WIDE SHEETS WITH LONG TAPERED EDGE. THICKNESS SHALL BE 5/8". UNITED STATES GYPSUM CO. SHEETROCK W/R FIRECODE "C" FOR FIRE RATED PANELS. SEAL ALL EXPOSED AND CUT EDGES PER MANUFACTURERS RECOMMENDATIONS. USE MOISTURE RESIS-TANT GYPSUM BOARD IN AREAS SPECIFIED ON THE PLANS. EACH SHEET SHALL BE MARKED BY THE MANUFACTURER INDICATING THE MOISTURE RESISTANT CAPA-BILITIES OF THE PRODUCT.
- B. INSTALL GYPSUM WALLBOARD WITH LONG DIMENSIONS PERPENDICULAR TO FRAMING.
- 1) NAILS- NO. 13 GAUGE, 1 3/8" LONG, 19/64" HEAD ANNULAR RING NAIL; 7" ON CENTER AT CEILING, 8" ON CENTER AT WALLS.
- 2) SCREWS- METAL SUSPENSION. SYSTEM, TYPE "S-12" BUGLE, 3/8" MINIMUM
- PENETRATION IN METAL FRAMING. 3) METAL EDGES SHALL BE APPLIED AT ALL EXPOSED CORNERS, ENDS, ETC.
- 4) ACCESS PANELS: INRYCO/MILCOR, (414) 383-4030; TYPE "M" WITH FLUSH SCREWDRIVER OPERATED LOCKS.
- a. IN GYPSUM DRYWALL AND CEILINGS USE PRIME COATED STEEL.
- b. IN TILE FINISH WALLS AND "FRP" FINISH WALLS USE STAINLESS STEEL FRAMES INSTALL GYPSUM WALLBOARD IN ACCORDANCE WITH THE MANUFACTURER'S

#### WRITTEN INSTRUCTIONS. 5. LAY-IN CEILING TILE - NOT USED



#### PAINTING AND STAINING

- 1) GENERAL: THE FINISHED SURFACE SHALL BE FREE FROM RUNS, SAGS, DROPS, RIDGES, WAVES, LAPS, BRUSH MARKS AND VARIATIONS IN COLOR, TEXTURE
- 2) COATING PROCESS: SUFFICIENT TIME SHALL ELAPSE BETWEEN SUCCESSIVE COATS TO PERMIT PROPER DRYING.
- STORAGE, MIXING, AND THINNING:
- a. GENERAL: AT TIME OF APPLICATION, PAINT SHALL SHOW NO SIGNS OF HARD SETTLING, EXCESSIVE SKINNING, LIVERING OR OTHER DETERIOR— ATION. PAINT SHALL BE THOROUGHLY STIRRED, STRAINED AND KEPT AT A UNIFORM CONSISTENCY DURING APPLICATION.
- b. STORAGE: THE PAINTER SHALL STORE ALL MATERIALS AND EQUIPMENT IN A ROOM ASSIGNED FOR THAT PURPOSE. PRECAUTIONS SHALL BE TAKEN TO REDUCE FIRE HAZARD AND THE ROOM SHALL BE KEPT CLEAN

#### AND IN GOOD CONDITION. 4) CLEANING UP

- a. DURING PROGRESS OF THE WORK, DO NOT ALLOW THE ACCUMULATION OF EMPTY CONTAINERS OR OTHER EXCESS ITEMS EXCEPT IN AREAS SUFFICIENTLY SET ASIDE FOR THAT PURPOSE.
- b. SCHEDULE ALL CLEANING AND PAINTING SO THAT DUST AND OTHER CONTAMINANTS FROM THE CLEANING PROCESS WILL NOT FALL ON WET, NEWLY PAINTED SURFACES.

#### 5) PREPARATION OF METAL SURFACES

GALVANIZED METAL: CLEAN ALL SURFACES THOROUGHLY WITH SOLVENT UNTIL THEY ARE COMPLETELY FREE FROM DIRT, OIL AND GREASE. ALLOW TO DRY THOROUGHLY BEFORE APPLICATION OF PAINT.

#### EXTRA PAINT

CONTRACTOR SHALL PROVIDE ONE (1) GALLON OF UNOPENED PAINT, STAIN AND SEALER OF EACH COLOR AND TYPE USED IN LABELED, COVERED CANS FOR THE OWNER. PLACE IN CARTONS FOR STORAGE.

#### EXTERIOR PAINTING

a. METAL:

ONE COAT PRIMER

TWO COATS PER SCHEDULE NOTE: PRIMER MAY BE ELIMINATED IF ITEM IS FACTORY PRIMED

b. STUCCO: PAINTED TWO (2) COATS PER SCHEDULE

#### ONE COAT PRIMER

TWO COATS PER SCHEDULE

c. CONCRETE MASONRY (EXPOSED): ONE COAT SEALER (40 SQ. FT. PER GALLON)

TWO COATS MASONRY PAINT PER SCHEDULE

#### 8) INTERIOR PAINTING

a. METAL:

SAME AS EXTERIOR METAL

c. SMOOTH FINISH GYPSUM BOARD WALLS: FLAT COAT WALL PRIMER ONE COAT PER SCHEDULE

ONE COAT WALL PRIMER TWO COATS PER SCHEDULE

e. INSIDE THROATS OF AIR CONDITIONING SUPPLIES AND RETURNS IN PUBLIC AREAS. SPRAY BLACK TO A POINT OUT OF VIEW.

#### DIVISION 10 - SPECIALTIES

#### PORTABLE FIRE EXTINGUISHERS

#### A. APPLICATIONS

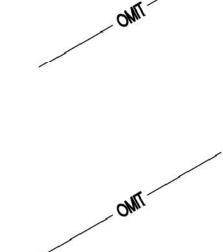
1) PER REQUIREMENT OF INTERNATIONAL FIRE CODE 904.11.5

A. GALVANIZED STEEL FRAME AND 45 DEG. BLADES, INSECT SCREEN, PRIME COATED. SEE DRAWINGS FOR SIZE.

#### TRASH ENCLOSURE GATES - NOT USED



FOOD SERVICE EQUIPMENT - NOT USED



#### 5. RELATED WORK DESCRIBED ELSEWHERE

- WORK OF SECTION "PLUMBING" INCLUDES SETTING OF FAUCETS AND CONNEC-TIONS TO SERVICES, INTERCONNECTIONS OF EQUIPMENT, FLOOR DRAINS IN THE VICINITY OF INDIRECT DRAIN OUTLETS, FAUCETS AND TRIM.
- 1) ALL LINE SWITCHES, SAFETY CUT-OUTS, CONTROL PANELS, FUSE BOXES AND OTHER CONTROLS, ELECTRICAL RECEPTACLES, FITTINGS AND CONNECTIONS, EXCEPT AS OTHERWISE SPECIFIED IN SECTION "ELECTRICAL". ELECTRICAL CON-TRACTOR, SECTION "ELECTRICAL", WILL MAKE FINAL CONNECTIONS TO BUILD-ING FROM ALL JUNCTION BOXES.

#### 6. PLUMBING

A. SEE PLUMBING DRAWINGS

#### 7. HEATING, VENTILATING, AIR CONDITIONING AND EXHAUST HOODS

#### DIVISION 11 - EQUIPMENT

#### AS-BUILT DRAWINGS

KFFP AN ACCURATE DIMENSIONED RECORD ON REPRODUCIBLE TRANSPARENCIES OF AS-BUILT LOCATIONS, AND OF WORK WHICH IS INSTALLED DIFFERENTLY FROM

#### LOCATIONS AND ACCESSIBILITY

A. SUB-CONTRACTOR SHALL FULLY INFORM HIMSELF REGARDING PECULIARITIES AND LIM-ITATIONS OF SPACES AVAILABLE FOR INSTALLATION OF WORK AND MATERIALS TURNISHED AND INSTALLED UNDER THIS DIVISION. DRAWINGS INDICATE LOCATION AND ARRANGEMENT OF CONDUIT, EQUIPMENT AND OTHER ITEMS AND ARE TO BE FOL-LOWED AS CLOSELY AS POSSIBLE. WORK SPECIFIED AND NOT CLEARLY DEFINED Y DRAWINGS SHALL BE INSTALLED AND ARRANGED IN A MANNER SATISFACTORY O THE OWNER. IN EVENT CHANGES IN INDICATED LOCATIONS AND ARRANGEMENTS ARE DEEMED NECESSARY BY THE OWNER, THEY SHALL BE MADE BY THE SUB-CONTRACTOR WITHOUT ADDITIONAL CHARGES PROVIDED THAT THE CHANGES ARE ORDERED BEFORE THE WORK IS INSTALLED AND NO EXTRA MATERIALS OR LABOR ARE REQUIRED.

#### CLEANING OF EQUIPMENT, MATERIALS AND PREMISES

CLEAN EQUIPMENT AND MATERIALS THOROUGHLY. LEAVE SURFACES TO BE PAINTED SMOOTH AND CLEAN, READY FOR PAINTERS. CLEAN ENTIRE PREMISES OF UNUSED MATERIALS, RUBBISH, DEBRIS AND DIRT CREATED BY WORK UNDER THIS DIVISION.

#### OPERATION AND MAINTENANCE INSTRUCTIONS

. FULLY INSTRUCT AND DEMONSTRATE TO THE OWNER'S OPERATING PERSONNEL THE PERFORMANCE, OPERATION AND MAINTENANCE OF EQUIPMENT. THE TIME ALLOWED FOR SAID INSTRUCTION SHALL BE ALLOWED FOR EACH SUB-CONTRACTOR AS PART OF THESE CONTRACT DOCUMENTS.

#### TESTING AND ADJUSTMENT

A. UPON COMPLETION OF ELECTRICAL WORK, ADJUST AND TEST CIRCUITS, OUTLETS, SWITCHES, LIGHTS, MOTORS AND TIME CLOCKS TO INSURE PROPER OPERATION OF LECTRICAL EQUIPMENT. CHECK SERVICE VOLTAGES UNDER MAXIMUM LOAD. ITEMS, FIXTURES AND PARTS IN NEED OF CORRECTION AND DISCOVERED DURING SUCH TESTING SHALL BE IMMEDIATELY REPAIRED OR REPLACED WITH NEW EQUIPMENT, AND THAT PART OF THE SYSTEM SHALL BE RETESTED. SUCH REPLACEMENT OR REPAIR SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.

DIVISION 12 - FURNISHINGS

1. NOT USED

DIVISION 13 - SPECIAL CONSTRUCTION

1. NOT USED

DIVISION 14 - CONVEYING SYSTEMS

1. NOT USED

DIVISION 15 - MECHANICAL

1. SEE MECHANICAL DRAWINGS

**DIVISION 16 - ELECTRICAL** 1. SEE ELECTRICAL DRAWINGS 4-1-25

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#### PROJECT LOG:

AS-BUILT MEASURING/COMPLETION

CONTRACT INITIATION March 19, 2025

3/20/25

OWNER'S DESIGN REVIEW ?/?/25

?/?/25 PLANNING SPECIAL USE SUBMITTAL

PLANNING PRE-APP REVIEW

OWNER'S CD REVIEW ?/?/25

PLANS AVAILABLE FOR PERMIT SUBMIT 4/1/25

**REVISIONS:** 

PLANS PERMIT RESUBMIT

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SHEET TITLE:

GENERAL SPECIFICATIONS

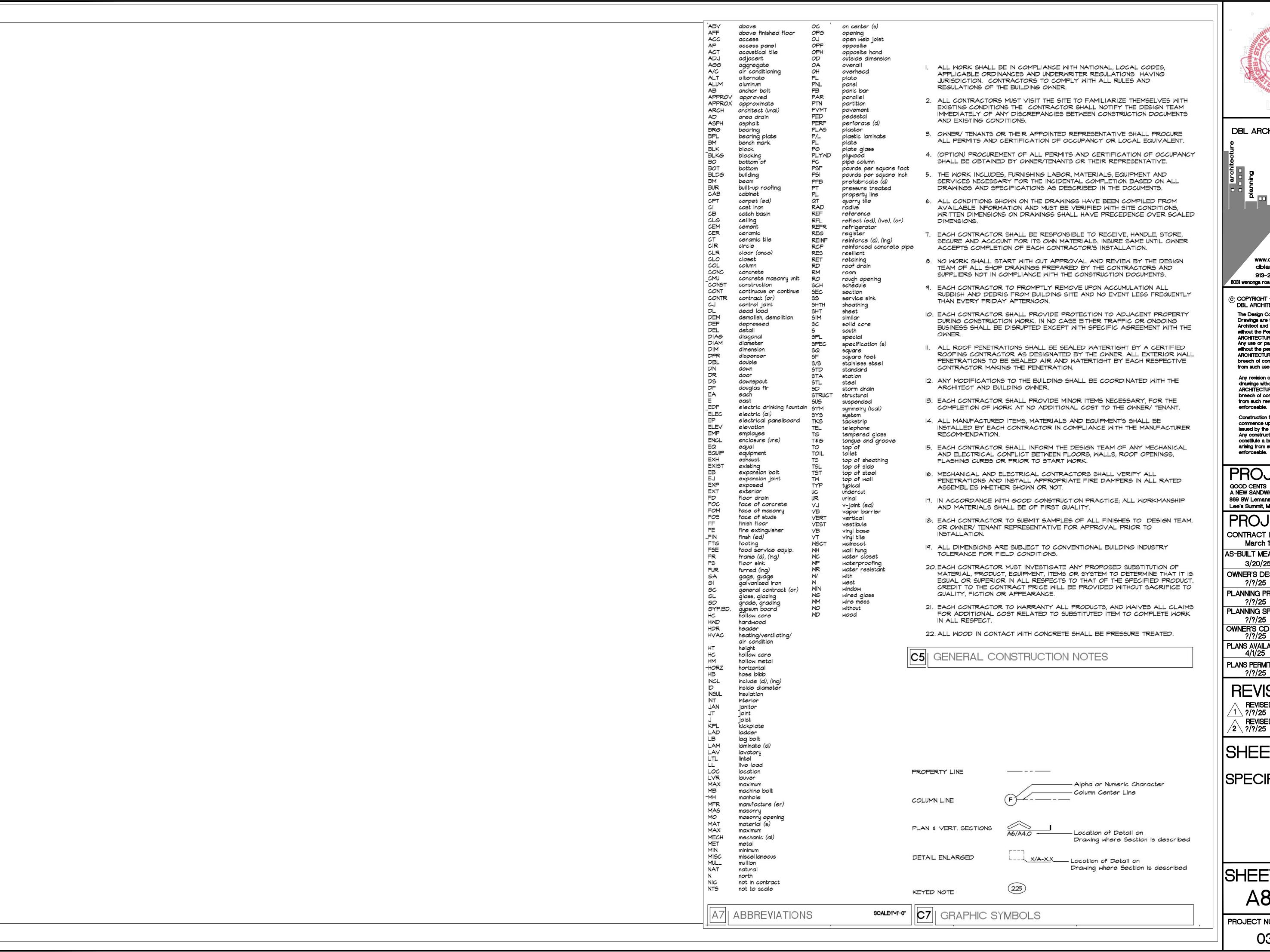
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PROJECT NUMBER :

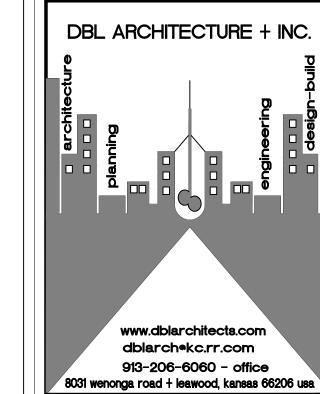
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?/?/25 | PLANNING SPECIAL USE SUBMITTAL

?/?/25

OWNER'S CD REVIEW ?/?/25

PLANS AVAILABLE FOR PERMIT SUBMIT 4/1/25

PLANS PERMIT RESUBMIT

### **REVISIONS:**

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### SHEET TITLE:

**ISPECIFICATIONS** 

**ISHEET NO: A8** 

PROJECT NUMBER :

\*\*CONTRACTOR TO VERIFY FINAL LOCATIONS OF ALL BOLLARDS PRIOR TO BID AND INSTALLATION. COORDINATE WITH

TENANTS AND OWNERS TO

CONFIRM.

\*\*CONTRACTOR TO VERIFY ALL GLASS INSTALLED ON THIS PROJECT TO BE "LOW E". COORDINATE WITH OWNER PRIOR TO BID AND INSTALLATION.

#### FINISH NOTE:

\*\*CONTRACTOR TO VERIFY ALL COLORS, FINISHES, FACING SYSTEMS, CMU SPECS AND STONE SPECIFICATIONS PRIOR TO BID. NO MATERIAL OR FINISHES ARE TO BE ORDERED OR WILL BE ACCEPTED WITHOUT PRE-APPROVAL BY OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM OWNERS APPROVAL OF ALL FINISHES AND MATERIALS PRIOR TO BID AND INSTALLATION.

PERMIT NOTES: CITY FIRE MARSHAL

GC TO PROVIDE A KNOX BOX PER CITY FIRE MARSHAL REQUIREMENTS AND SPECIFICATIONS. FINAL LOCATION TO BE DETERMINED IN COORDINATION WITH OWNERS AND FIRE MARSHAL DEPT.

#### FIRE CODE REVIEW:

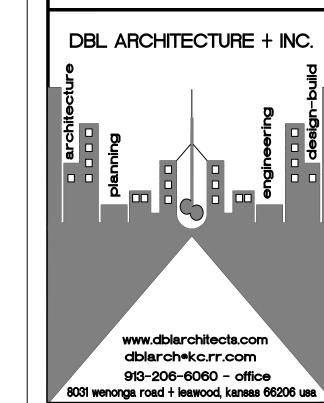
CONTRACTOR TO PROVIDE AND INSTALL 2 PORTABLE FIRE EXTINGUISHERS OF SIZE AND IN THE LOCATIONS AS DIRECTED BY FIRE MARSHALL DURING CONSTRUCTION. FUTURE TENANTS TO PROVIDE PERMANENT FIRE EXTINGUISHERS AS REQUIRED BY FIRE CODE REVIEW.

\*\*CONTRACTOR TO VERIFY PAINT AND APPLICATION TO BE PER SHERWIN WILLIAMS -SHERLASTIC-ELASTOMERIC MASONRY COATING MANF. SPECIFICATIONS AND OWNERS REQUIREMENTS. MIN. OF 5 MILS OF BLOCK FILLER WITH IO MILS OF FINISH PAINT (TWO 5 MIL PASSES)

OWNER'S FINAL APPROVAL IS REQUIRED AS PART OF BASE BID. ALL NECESSARY REWORK WILL BE AT NO ADDITIONAL CHARGE.

\*\*CONTRACTOR TO VERIFY FINAL LOCATIONS OF ALL EXTERIOR DOORS PRIOR TO FINAL ROUGH IN AND INSTALLATION. COORDINATE WITH TENANTS AND OWNERS TO CONFIRM.





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#### | PROJECT:

GOOD CENTS
A NEW SANDWICH RESTAURANT
869 SW Lemans Ln,
Lee's Summit, MO 64082

### PROJECT LOG:

CONTRACT INITIATION
March 19, 2025

AS-BUILT MEASURING/COMPLETION
3/20/25

OWNER'S DESIGN REVIEW

PLANNING PRE-APP REVIEW

PLANNING SPECIAL USE SUBMITTAL

OWNER'S CD REVIEW ?/?/25

PLANS AVAILABLE FOR PERMIT SUBMIT
4/1/25

PLANS PERMIT RESUBMIT ?/?/25

### REVISIONS:

REVISED PER CITY
?/?/25
REVISED PER CITY
?/?/25

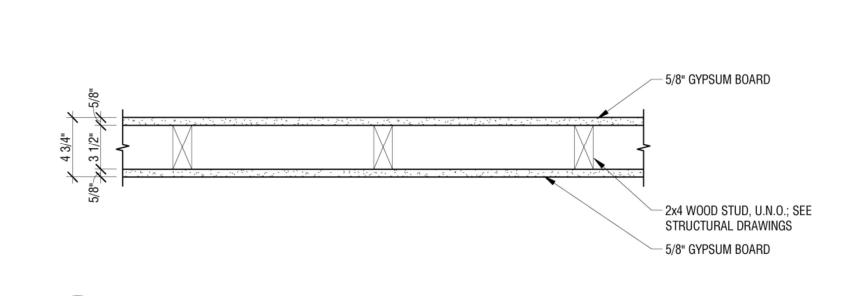
### SHEET TITLE:

INTERIOR WALLS

SHEET NO: A9

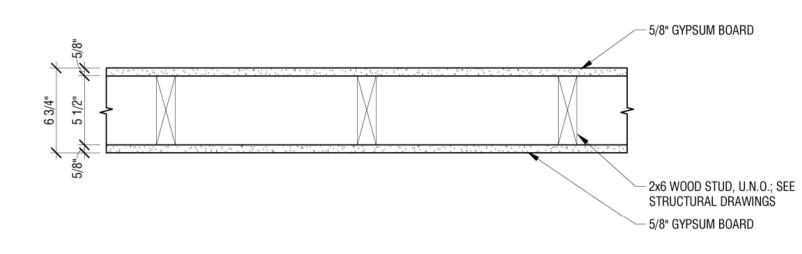
PROJECT NUMBER :

031925



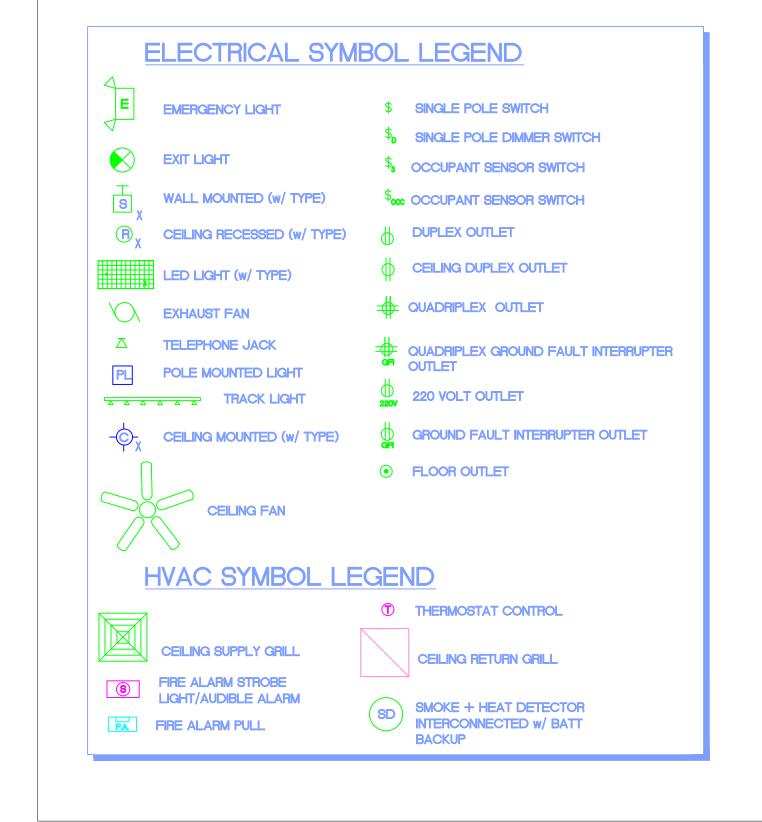
WALL TYPE 'P1' - INTERIOR WALL 2X4 STUD - TYPICAL

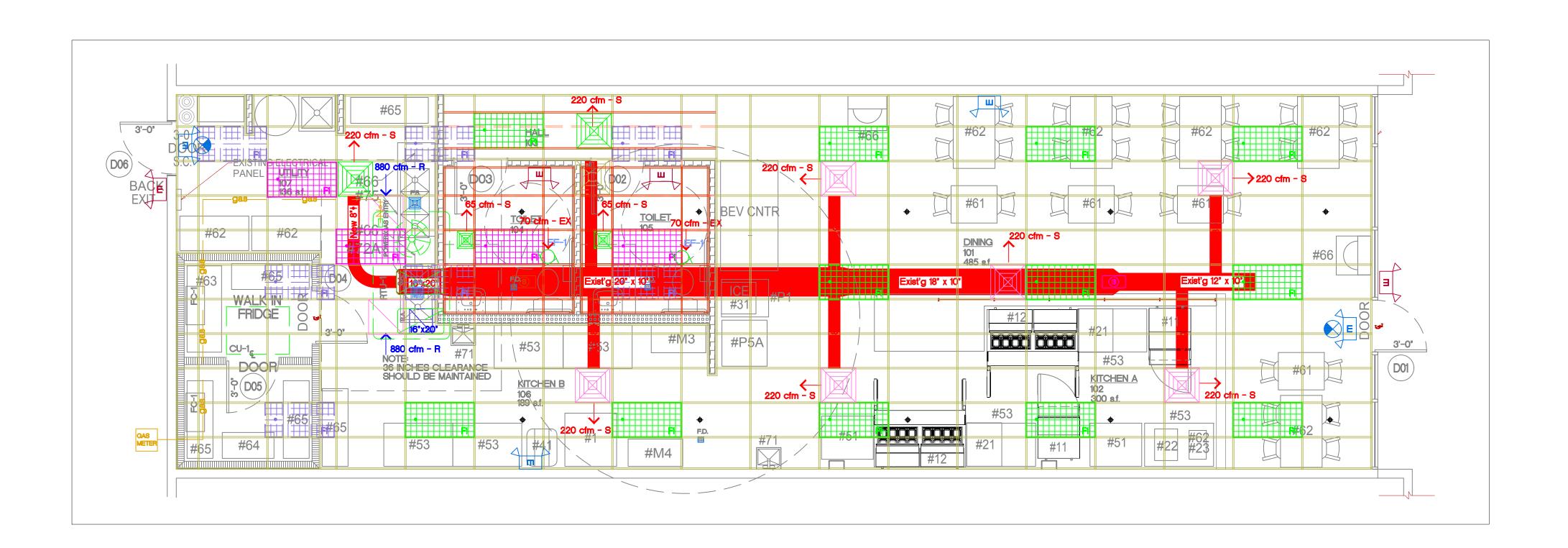
1 1/2" = 1'-0"



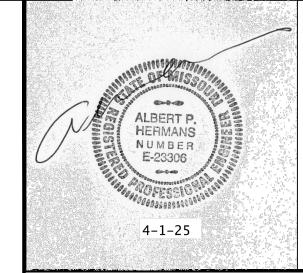
6 WALL TYPE 'P2' - INTERIOR WALL 2X6 STUD - TYPICAL

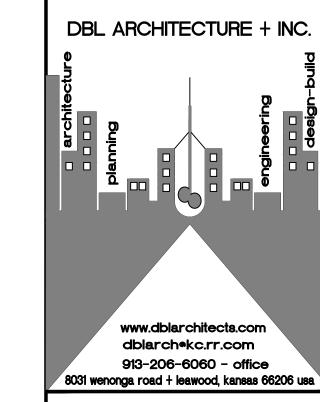
1 1/2" = 1'-0"











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A NEW SANDWICH RESTAURANT 869 SW Lemans Ln, Lee's Summit, MO 64082

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CONTRACT INITIATION March 19, 2025

AS-BUILT MEASURING/COMPLETION 3/20/25

OWNER'S DESIGN REVIEW ?/?/25

PLANNING PRE-APP REVIEW ?/?/25 PLANNING SPECIAL USE SUBMITTAL

OWNER'S CD REVIEW ?/?/25

PLANS AVAILABLE FOR PERMIT SUBMIT 4/1/25

PLANS PERMIT RESUBMIT ?/?/25

### **REVISIONS:**

REVISED PER CITY
?/?/25
REVISED PER CITY
2 ?/?/25

### SHEET TITLE:

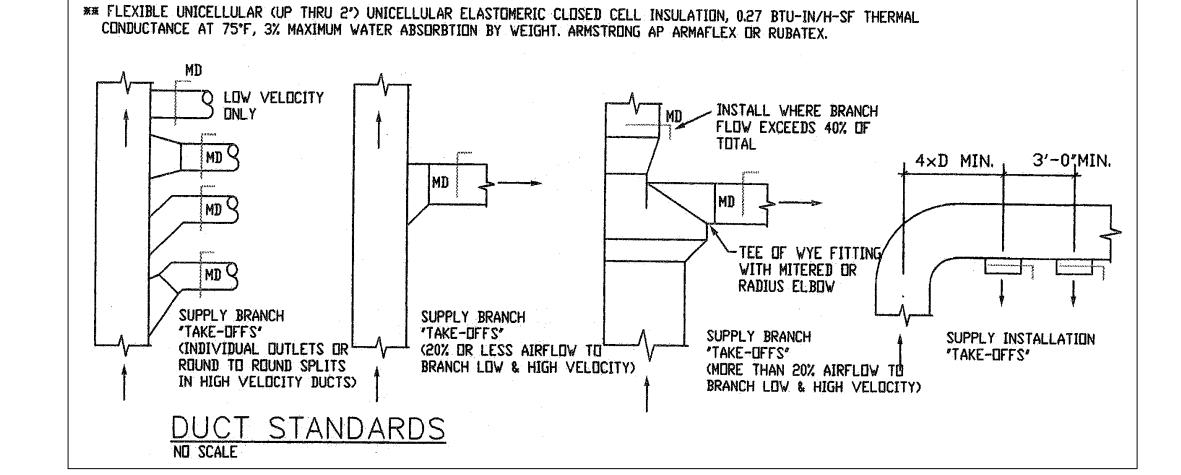
FIRST FLOOR HVAC PLAN

SHEET NO.: M1

PROJECT NUMBER :

SERVICE	MATERIAL	JOINTS	FITTINGS	ONOTES
CONDENSATE DRAINS	COPPER 'M' HARD	SOLDERED OD BRAZED	VROUGHT COPPER OR CAST BRONZE	1
VENTS AND WASTE LINES (ABOVE GROUND)	SERVICE WEIGHT CAST IRON (CI)	LEAD OR TYSEAL	CAST IRON	1
SOIL LINES (BELOW GROUND) - UNDER SLAB	CAST IRON (CI)	LEAD OR TYSEAL	CAST IRON	2
REFRIGERANT AND DOMESTIC WATER PIPE - (BELOW GROUND) SMALLER THAN 3"	COPPER 'K' SOFT DRAWN	SOLDERED OR BRAZED	WROUGHT COPPER DR CAST BRONZE	67
DOMESTIC WATER 3' AND LARGER	DUCTILE IRON	MECHANICAL		
DOMESTIC WATER PIPE (ABOVE GROUND)	COPPER "L" HARD ASTM C-200	SOLDERED OR BRAZED	VROUGHT COPPER OR CAST BRONZE	7
SEWER LINE PIPING (BELOW GROUND) NOT UNDER SLAB	VCP EXTRA STRENGTH ASTM C-200	ASTM C-425	ASTM C-200	12
GAS PIPE (BELOV GROUND)	SCHEDULE 40, BLACK STEEL-X-TRUE COATED ABD WRAPPED	CAST IRON	CAST IRON MALLEABLE IRON	34
GAS PIPE (ABUVE GROUND)	SCHEDULE 40 BLACK STEEL	SCREWED	CAST IRON MALLEABLE IRON	35
NOTES				
1 PVC OR ABS SCHEDULE 40, SI OF APPROVAL BY LOCAL INSP TO BIDDING, CONDITIONS OF N	ECTING AUTHORITY SUBMITTED  OTE BELOW. (20)R-35 SNA	D BELOW TO ARCHITECT AND SITARY PIPE WHEN APPROVE	D ENGINEER PRIOR ID.	
WHERE SUCH MATERIAL IS NO	TACCEPTABLE; OR BELOW BU	HRUUGH UR IN RETURN AIR ILDING SLAB OR DRIVEWAY	PLENUMS, IN CITIES SURFACES.	
3 SCREWED GAS CONNECTION FO AIR PLENUMS.	R 2' AND SMALLER; WELDED	CONNECTION FOR 2" AND LA	ARGER, AND IN RETURN	
THREADS AND WELDS PAINTED TO BE PAINTED (COLOR BY AR PROTECTION ON GAS PIPING A	CHITECT) TO MATCH ADJACEN	IT SURFACE, PROVIDE CATHO	IDIC UNDERGROUND	
5 CONNECT ALL GAS TO EQUIPME	ENT THROUGH GAS COCK, UNIC	IN AND DIRT LEG.		
6 NO WATER FITTINGS OR CONNE	CTIONS BELOW FLOOR SLAB.	MAKE GRADUAL BEND OR RA	ADIUS.	
7 PROVIDE AIR CHAMBERS 18' TO COLD WATER LINES TO PLUMB ANTIMONIAL OR UL, BOCA, UPC	ING FIXTURES, ALL POTABLE	WATER SYSTEMS SOLDERING	D PLUMBING FIXTURES. TO BE 95/5, TIN/	

<u> </u>	IPING INSULATION	N SCHED		
PIPE SYSTEM	INSULATION	THICKNESS	TEMP,	
ROOF DRAINS	OWENS CORNING ASU/SSL-11	1"	150°F	
REFRIGERANT SUCTION		1/2"	-20°F TO 70°F	
DOMESTIC HOT & COLD HORIZONTAL MAINS ONLY		1/2*	-20°F TO 70°F	
HANDICAP "P" TRAP & HOT WATER UNDER LAVATORYS		1/2°	-20°F TO 70°F	
NOTE: ALL HORIZONTAL HOT & COLD SHOWN ON PLANS, INSULATE IN CONDITIONED AND UNC	WATER MAINS ARE TO BE INSULATED.	VERTICAL MAINS AS	NOTED OR	
WASTE & VENT PIPING WITHIN 6 L ROOF DRAIN INSULATION: FIBERGLAS	INEAR FEET OR ROOF DRAIN OR PIPING S PIPE INSULATION - (UP TO 10° SIZES Y AT 150°F, WITH ALL SERVICE JACKE	) PREFORMED FIBERG	LASS UL LISTED, 0.30	



#### OUTDOOR AIR VENTILATION SCHEDULE PEOPLE OUTDOOR | AREA OUTDOOR OCCUPANT AIRFLOW RATE IN | AIRFLOW RATE IN | EXHAUST BREATHING ZONE | BREATHING ZONE | AIRFLOW RATE | O.A.R. (Vbz) = ROOM OCCUPANCY DENSITY ZONE FLOOR #/1000 FT <sup>2</sup>(Pz) Vbz=RpPz + RaAz CLASSIFICATION Rp CFM/PERSON Ra CFM/FT<sup>2</sup> CFM/FT<sup>2</sup> REMARKS AREA S.F. (Az) DINING 7.5(34)=255 .18(485)= 87.0 342 CFM RTU-1 - O.A. = 342 CFM 70/1000 S.F. = 34 OCC 7.5(6)=45 .12(300)= 36.0 81 CFM RTU-1 - O.A. = 81 CFM 20/1000 S.F. = 6 OCC 102 KITCHEN A 300 103 70 CFM/WC= **TOILET** RE: IMC TABLE 403.3.1.1 notes e + g 70 CFM 70 CFM/WC= 75 CFM - EX **TOILET** RE: IMC TABLE 403.3.1.1 notes e + g 70 CFM 7.5(4)=30 .12(189)= 23.0 53 CFM 106 KITCHEN B 20/1000 S.F. = 4 OCC RTU-1 - O.A. = 53 CFM UTIL RM RTU-1 - TOTAL O.A. = 476 CFM \* • IECONOMIZER TO BE SET FOR THESE

	EXHAUST FAN SCHEDULE								
ITEM	MODEL #	DESCRIPTION	CFM	ESP (IN)	DRIVE	SPEEDS	NOTES		
EF-1	BROAN-NUTONE 671 WHITE SQUARE	BATHROOM CEILING MOUNTED	70	0.25	DIRECT	ONE	A, B, C		
	E BACKDRAFT DAMPER BE TO ENERGIZE WITH LIGHTS	C. EXHAUST TO OUTDOORS.	<u> </u>						

ROOFTOP UNIT SCHEDULE									
ITEM	MODEL #	DESCRIPTION	AIRFLOW CFM	MCA	MOTOR H.P.	VOLTAGE/HERTZ/PHASE	UNIT WT.	NOTES	
RTU-1	EXIST'G LENNOX ML193UH110XE60C or EQUAL	STANDARD EFFICIENCY 150,000 BTU 93% AFUE 121,000 BTU OUTPUT	SUPPLY -3200-4300 CFM RTU-1 - MIN. O.A.SUPPLY - 476 CFM	28	1.5	120-60-1	N/A	A, B, C	
	DE FRESH AIR INTAKE - SEE BAMMABLE 2 STAGE HEATIN	E VENTILATION SCHEDULE NG THERMOSTAT W/ FAN ON-0	OFF-AUTO SWITCH AND L	OCATE AS SHOW	N ON DRAWINGS.				

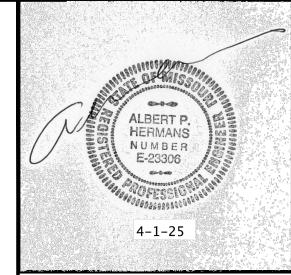
#### INSTALLING HVAC CONTRACTOR'S NOTE:

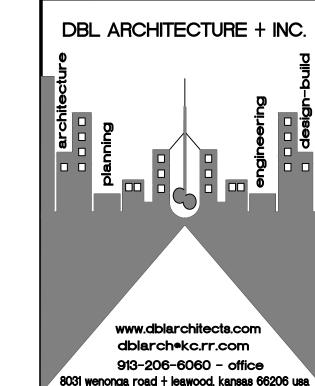
C. PROVIDE SMOKE DETECTORS IN THE RETURN AIR DUCTS PER IMC 606.21 - CONTROLS SHALL SHUTDOWN ALL OPERATIONS UPON ACTIVATION - A VISIBLE + AUDIBLE SIGNAL SHALL BE

INSTALLED AT CASHIER 100 FOR RTU-1 AND AT RETAIL SALES 101 FOR RTU-2

- 1. EXISTING CONDITIONS WERE TAKEN FROM SITE VISIT AND DO NOT REFLECT EXACT AS-BUILT CONDITIONS.
  2. CONTRACTOR SHALL FIELD VERIFY AND VISIT SITE PRIOR TO COMMENCING THE WORK.
- 2. CONTRACTOR SHALL FIELD VERIFY AND VISIT SITE PRIOR TO COMMENCING THE WORK.3. CONTRACTOR SHALL COORDINATE ALL DEMOLITION AND NEW WORK WITH OTHER TRADES AND EXISTING CONDITIONS.
- 3. CONTRACTOR SHALL COORDINATE ALL DEMOLITION AND NEW WORK WITH OTHER TRADES AND EXISTING CO4. COORDINATE ALL NEW ROOF EQUIPMENT WITH EXISTING STRUCTURE (FIELD VERIFY)
- 5. REFER TO ARCHITECTURAL DRAWINGS FOR ALL RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE HVAC SYSTEM AS SHOWN. FINAL LOCATIONS OF CHASES, PENETRATIONS, THROUGHOUT STRUCTURE SHALL BE
- VERIFIED WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

  6. MECHANICAL CONTRACTOR SHALL PERFORM AIR BALANCE TEST ON EXHAUST AND SUPPLY FANS AFTER COMPLETE INSTALLATION FOR PROPER PERFORMANCE. ADJUSTMENT SHALL BE MADE AS REQUIRED TO MEET CITY'S APPROVAL FOR ON SITE INSPECTION OF SYSTEM.





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March 19, 2025

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PLANNING SPECIAL USE SUBMITTAL ?/?/25

OWNER'S CD REVIEW ?/?/25

PLANS AVAILABLE FOR PERMIT SUBMIT 4/1/25

PLANS PERMIT RESUBMIT ?/?/25

### REVISIONS:

REVISED PER CITY 7/?/25

REVISED PER CITY 2/2/25

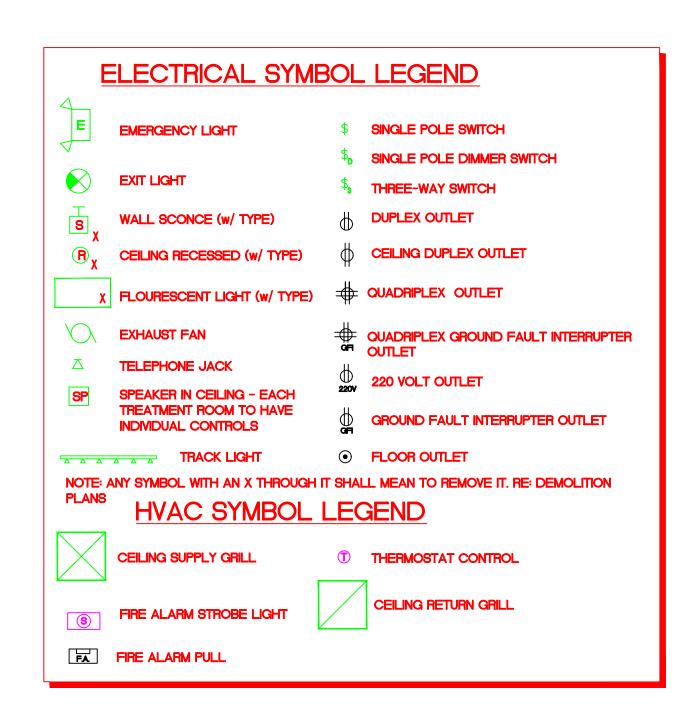
SHEET TITLE:

HVAC SCHEDULES

SCHEDULES AND DETAILS

SHEET NO.:

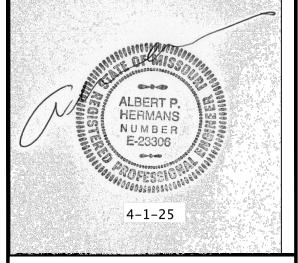
PROJECT NUMBER:

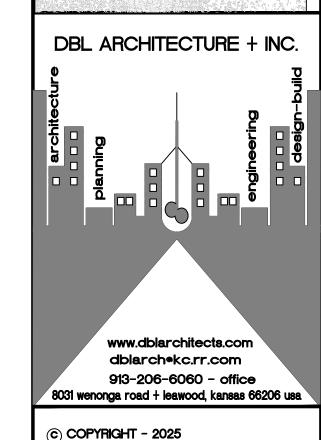


ELECTRICAL PLAN NOTES: (NOT ALL NOTES MAY APPLY GFI QUADPLEX RECEPTACLE MOUNTED ABOVE COUNTER FOR SMALL APPLIANCES PER NEC. 2 GFI DUPLEX RECEPTACLE FOR REFRIGERATED UNIT PER NEC. GFI DUPLEX RECEPTACLE MOUNTED FOR SMALL APPLIANCES GFI QUADPLEX RECEPTACLE MOUNTED BELOW COUNTER FOR SMALL APPLIANCES PER NEC. 5 EXISTING 42 POLE 120/208 1 + PANEL PER NEC. ROUTE POWER TO BEVERAGE COOLER CONDENSER ON ROOF 6 OF COOLER PER NEC. 7 ROUTE POWER TO AC-1, AC-2, PER NEC. BEVERAGE COOLER BASED ON SIERRA RIH400M44 35" 8 COOLER, w/ (3) AA26-115BAE COOLER COILS AND REMOTE THERMOSTAT, MAY BE SUBSTITUTED BY OWNER 9 ROUTE POWER FOR WINDOW SIGNS PER NEC. 10 DUPLEX RECEPTACLE MOUNTED PER NEC. ROUTE POWER FOR BUILDING SIGN(S) PER NEC. VERIFY LOCATION W/ SIGN COMPANY 12 GFI DUPLEX EXTERIOR RECEPTACLE MOUNTED PER NEC.

13 ROUTE POWER TO EF-1 ON ROOF PER NEC.

BACK EXIT 3'-0" #71 NOTE: #/1 36 INCHES CLEARANCE SHOULD BE MAINTAINED #53 KITCHEN A 300 s.f. #51 #53





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### PROJECT LOG:

CONTRACT INITIATION March 19, 2025

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PLANNING SPECIAL USE SUBMITTAL

OWNER'S DESIGN REVIEW ?/?/25

PLANNING PRE-APP REVIEW

OWNER'S CD REVIEW ?/?/25

PLANS AVAILABLE FOR PERMIT SUBMIT 4/1/25

PLANS PERMIT RESUBMIT ?/?/25

### **REVISIONS:**

REVISED PER CITY ?/?/25

REVISED PER CITY ?/?/25

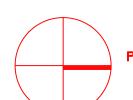
SHEET TITLE: ELECTRICAL POWER PLAN

SHEET NO.:

PROJECT NUMBER :

031925





NOTES:

APPLIANCES ETC.

CODE REQUIRES, UNLESS SPECIFIC LOCATION IS NOTED.

THROUGH ON THE BUILDING SITE ONCE FRAMING IS COMPLETED.

COORDINATE ALL WORK WITH BUILDING CONTRACTOR.

ALL OUTLETS ABOVE COUNTER HEIGHT TO BE G.F.I. TYPE AS PER LOCAL CODES.

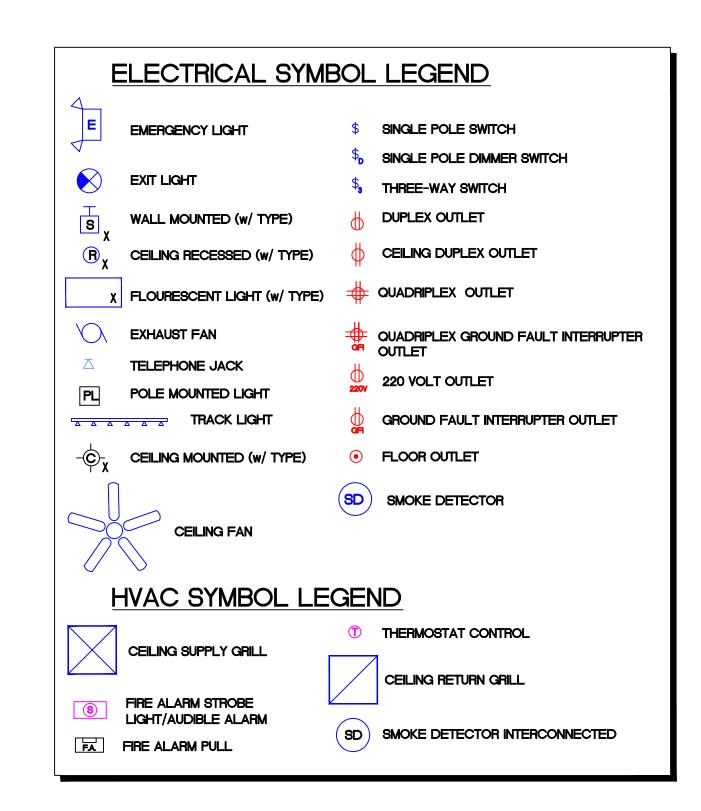
NOTE: THIS IS A SCHEMATIC PLAN, EXACT LOCATIONS ARE TO BE DETERMINED BY ELECTRICAL CONTRACTOR/ARCHITECT/OWNER OR AS

MECHANICAL/ELECTRICAL CONTRACTOR TO VERIFY ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT, ELECTRICAL

VERIFY WITH OWNER LOCATION/TYPE OF ALL FIXTURES, PANEL BOXES, OUTLET PLACEMENT, ETC. BY HOLDING AN ELECTRICAL WALK

THE GHOSTED FLOOR PLAN IS FOR REFERENCE ONLY, NOT TO BE REFFERED TO FOR ANY STRUCTURAL CHANGES.

SMOKE DETECTORS TO BE HARD WIRED WITH BACK UP BATTERY, LOCATED PER APPLICABLE CODES.



ELECTRICAL PLAN NOTES:

1 PROVIDE AND INSTALL NEW LED DROP-IN 2x4 LIGHTS (TYP.)

2 PROVIDE AND INSTALL NEW SUSPENDED LINEAR LED LIGHTS

3 INSTALL NEW SURFACE MOUNTED COOLER LIGHTS PROVIDED THROUGH BEVERAGE COOLER COMPANY

4 INSTALL NEW RECESSED MOUNTED EXHAUST FAN INTERCONNECTED TO LIGHTING

5 INSTALL NEW CEILING/WALL MOUNTED EXIT/EMERGENCY LIGHTS

#### NOTES:

NOTE: THIS IS A SCHEMATIC PLAN, EXACT LOCATIONS ARE TO BE DETERMINED BY ELECTRICAL CONTRACTOR/ARCHITECT/OWNER OR AS CODE REQUIRES, UNLESS SPECIFIC LOCATION IS NOTED.

THE GHOSTED FLOOR PLAN IS FOR REFERENCE ONLY, NOT TO BE REFFERED TO FOR ANY STRUCTURAL CHANGES.

MECHANICAL/ELECTRICAL CONTRACTOR TO VERIFY ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT, ELECTRICAL APPLIANCES ETC.

ALL OUTLETS ABOVE COUNTER HEIGHT TO BE G.F.I. TYPE AS PER LOCAL CODES.

VERIFY WITH OWNER LOCATION/TYPE OF ALL FIXTURES, PANEL BOXES, OUTLET PLACEMENT, ETC. BY HOLDING AN ELECTRICAL WALK THROUGH ON THE BUILDING SITE ONCE FRAMING IS COMPLETED.

SMOKE DETECTORS TO BE HARD WIRED WITH BACK UP BATTERY, LOCATED PER APPLICABLE CODES.

COORDINATE ALL WORK WITH BUILDING CONTRACTOR.

	LIGHTING FIXTURE SCHEDULE								
ITEM	MODEL #	DESCRIPTION	LAMPS						
Ħ	PNXL2X4-50L-LKFS-PRM 2X4 Back Lit LED PANEL	LED PANEL DROP-IN FIXTURE	35 WATT						
F2	WILLIAMS - PBD60-1-26Q-CS-EB1-UNV	RECESSED CAN LIGHT	1-26 WATT						
F3	PER BEVERAGE COOLER CO.	SURFACE MOUNTED LIGHT	1-150 WATT MAX.						
F4	WILLIAMS - EXIT/EM/LED-SF-R-WHT	EXIT/EMERGENCY LIGHT w/ BATT PACK	RED LED 3.7 W						
F5	CANOPY LIGHTS PER CANOPY COMPANY	CANOPY LIGHT W/ RECESSED OR CUT-OUT	PER MFG.						
F6	PER OWNER	INTERIOR TRACK LIGHTING	6-7 WATT LED						
F7	WILLIAMS - EMERG/REMOTE-WHT	REMOTE EMERGENCY LIGHT W/ BATT PACK	LED 3.7 W						
F8	DARK SKY 16" 2 LIGHT MOTION SENSOR	MOTION DETECTOR SECURITY LIGHTING	(2) 100 W HALOGEN G8						

#### NOTES:

1. GENERAL CONTRACTOR SHALL PROVIDE FIREPROOFING AROUND RECESSED FIXTURES INSTALLED IN FIRE RATED CEILING PER U.L. REQUIREMENTS

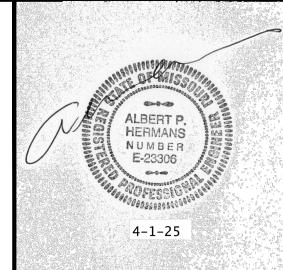
2. LIGHT FIXTURES SHALL BE PROVIDED WITH ELECTRONIC BALLASTS. COMPACT FLOURESCENT ELECTRONIC BALLASTS SHALL HAVE END-OF-LIFE PROTECTION CIRCUIT TO PREVENT WELDING OF LAMPS IN SOCKETS OR LAMP BREAKAGE. ALL FLOURESCENT LAMPS SHALL BE LOW MERCURY AND SHALL MEET ALL E.P.A. GUIDELINES FOR PASSING 'TCLP' TESTS.

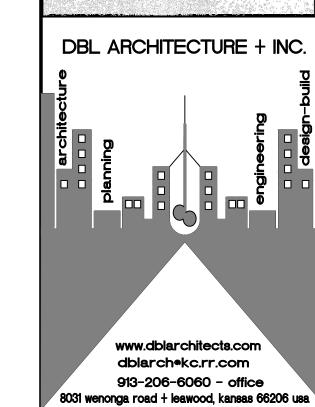
3. PROVIDE ARROWS AND FACES AS INDICATED ON THE DRAWINGS.

4. MANUFACTURER'S LISTED IN THIS SCHEDULE OR APPROVED BY WRITTEN ADDENDUM WILL BE THE ONLY APPROVED MANUFACTURERS TO BID THE LIGHTING FIXTURES FOR THIS PROJECT. CONTRACTORS AND SUPPLIERS USING PRICING FROM MANUFACTURERS NOT LISTED ON SCHEDULE OR BY ADDENDUM DO SO AT THEIR OWN RISK.

5. LIGHT FIXTURE SELECTIONS ARE BASED ON THE MANUFACTURER IN THE LEFT MOST COLUMN AS LISTED IN THE SCHEDULE. FIXTURES APPROVED AS EQUALS IN THE SCHEDULE OR BY ADDENDUM SHALL BE EQUAL TO THE UNIT SPECIFIED. I.E. SPRING LOADED LATCHES, POST PAINTED FINISH, AND PHOTOMETRICS.

6. PROVIDE TRACK AND ALL FITTINGS AS REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
7. ALL EQUALS NOT LISTED ON THIS SCHEDULE SHALL BE APPROVED BY BOTH THE OWNER AND THE ARCHITECT IN WRITING.





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PLANS AVAILABLE FOR PERMIT SUBMIT 4/1/25

PLANS PERMIT RESUBMIT ?/?/25

### REVISIONS:

REVISED PER CITY ?/?/25

REVISED PER CITY ?/?/25

SHEET TITLE:

ELECTRICAL
LIGHTING PLAN

SHEET NO.: E2

PROJECT NUMBER :

PROJECT

N



PANEL A	EXIST	TING MOUNT RESTAURANT SPACE						NT SPACE	TYPE QO		
200A MAIN BREAKER (10,000 A.I.C.)	200A	BUS				120/	240V, 14	, 3W			
LOAD	LOAD	BRKR	WIRE	NO.	<b>þ</b>	NO.	WIRE	BRKR	LOAD	LOAD	
SPARE				1		2				SPARE	
BEV COOLER CONDENSER				3		4				SPARE	
	6463	50/3	#10	5		6				SPARE	
				7		8				SPARE	
SPARE		20/1	#12	9		10				SPARE	
SPARE		20/1	#12	11		12				SPARE	
BEVERAGE DISPENSOR	420	20/1	#12	13		14	#12	20/1		SPARE	
ICE MAKER	1356	20/1	#12	15		16	#12	20/1		SPARE	
COOKER/WARMER	1500	20/1	#12	17		18	#12	20/1	490	LIGHTS - DINING	
MEGA TOP UNIT	1584	20/1	#12	19		20	#12	20/1	540	COOLER FANS	
LIGHTS - EX. FAN TOILET	200	20/1	#12	21		22	#12	20/1	128	LIGHTS - EMERGENCY	
LIGHTS - EMERG. SOUTH	82	20/1	#12	23		24	#12	20/1	1400	EAST WALL OUTLET	
ECO BAKE	1920	20/1	#12	25		26	#6	50/2	11,440	PROOFER	
SLICER	1344	20/1	#12	27		28					
DRESS TABLE	1068	20/1	#12	29		30	#12	20/1	400	COUNTER OUTLET	
DRESS TABLE	1068	20/1	#12	31		32				SPARE	
WH-1	1800	20/1	#12	33		34				SPARE	
SPARE		20/1	#12	35		36				SPARE	
SPARE		20/1	#12	37		38			8,320	EXIST'G RTU-1	
EXTERIOR SIGN TIMER	900	20/1	#12	39		40				SPARE	
UTILITY OUTLET	1400	20/1	#12	41		42				SPARE	
SUB-TOTAL CONNECTED LOAD	21,105	V-A		,		1		'	22,718	V-A	
TOTAL CONNECTED LOAD	D 43 823 V-								182	V-A (TOTAL DEMAND CURREN	IT)

#### NOTES:

\* - SWITCHED NEUTRAL TYPE BREAKER

#### ELECTRICAL GENERAL NOTES

- 1. ALL ELECTRICAL OUTLETS WITHIN 8 FEET OF SINK OR LAVATORY SHALL BE GFI PROTECTED.
- 2. ALL FLUORESCENT LIGHT FIXTURES SHALL BE 4 TUBE, 2' x 4' (OR 2' x 2' WHERE NOTED) FIXTURES WITH ENERGY SAVING BALLASTS, AND PRISMATIC ACRYLIC LENS.
- 3. EXIT LIGHTS SHALL BE LITHONIA 'SPECTRUM' SERIES WITH BATTERY BACK-UP, WITH STENCIL FACE, OR APPROVED
- 4. EMERGENCY LIGHTS TO BE LITHONIA SPECTRUM SERIES, WALL MOUNTED, DUAL LIGHT ELM-2, OR 2' x 4' FLUORESCENT LIGHT FIXTURE WITH BATTERY BACK-UP.
- 5. ALL ELECTRICAL SYSTEM TO COMPLY WITH NEC AND APPLICABLE LOCAL CODES.
- 6. ALL ELECTRICAL WORK SHALL MEET ALL CITY AND ELECTRIC BUILDING CODES.
- 1. ELECTRICAL CONTRACTOR TO VERIFY EXISTING LINE VOLTAGES AND VERIFY COMPATIBILITY OF COOKING EQUIPMENT PRIOR TO THE START OF ANY WORK REPORT ANY INCOMPATIBILITY TO THE ARCHITECT.
- 8. TELEPHONE LOCATIONS, PROVIDE STANDARD PHONE JACKS AT LOCATIONS INDICATED. WIRE BACK TO EXISTING PHONE BOARD LOCATION.
- 9. DUPLEX OUTLETS IN EACH ROOM AND ALL WALLS PER CODE, OUTLET HEIGHT SHALL BE 12" AFF OR AS NOTED ON DRAWINGS AND OUTLETS LOCATED ABOVE CASEWORK OR EQUIPMENT SHALL CLEAR THE CASEWORK OR EQUIP. AND SHALL BE AT MIN 42" AFF TO THE BOTTOM OF OUTLET.
- 10. T THERMOSTAT LOCATION.
- II. ALL WIRING AND CONDUIT SHALL BE CONCEALED. NO ELECTRICAL ROUGH-IN ITEMS SHALL BE EXPOSED.
- 12. ALL MEMBRANE PENETRATIONS SUCH AS STEEL, FERROUS, COPPER, PIPES, VENTS, ELECTRICAL OUTLET BOXES, OR TUBES ARE TO BE PROTECTED MAINTENING THE FIRE RESISTANCE INTEGRITY.
- 13. FIRE ALARM MODIFICATION AND REWORKING SHALL BE PERFORMED BY A QUALIFIED FIRE ALARM CONTRACTOR WHO WILL DESIGN AND PREPARE PLANS WHICH ARE TO BE SUBMITTED TO BUILDING INSPECTION THROUGH THE PERMIT PROCESS FOR APPROVAL, PRIOR TO ANY WORK BEING PERFORMED ON THE SYSTEM.

#### ELECTRICAL SPECIFICATIONS

#### I. CONDU

- (A) ALL ELECTRICAL WIRING, INCLUDING LOW YOLTAGE WIRING, SHALL BE INSTALLED CONDUIT AS HEREIN SPECIFIED. NO CONDUIT OR TUBING OF LESS THAN 3/4 INCH NOMINAL SIZE SHALL BE USED, FOR EMT. ONLY COMPRESSION TYPE FITTINGS SHALL BE USED (MINIMUM SIZE 3/4 INCH).
- (B) CONDUIT SHALL BE HOT-DIP GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION TO GALVANIZING.
- (C) CONDUIT FOR INTERIOR WIRING, IN GENERAL, SHALL BE RIGID GALVANIZED STEEL ON EMT UNLESS OTHERWISE NOTED. CONDUIT INSTALLED IN CONCRETE SLABS AND ON THE EXTERIOR OF THE BUILDING SHALL BE RIGID STEEL. SHORT RUNS OF GALVANIZED FLEXIBLE CONDUIT SHALL BE USED FOR THE CONNECTIONS OF MOTOR DRIVEN EQUIPMENT.
- (D) RACEWAYS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND FITTING TO FITTING. A RUN OF CONDUIT BETWEEN OUTLETS OR FITTINGS SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR QUARTER-BENDS INCLUDING THOSE BENDS LOCATED IMMEDIATELY AT THE OUTLET OR FITTING. THE RADIUS OF BENDS SHALL NOT BE LESS THAN THAT OF THE CORRESPONDING TRADE ELBOW. THE SYSTEM SHALL BE COMPLETE WITH OUTLETS. DISTRIBUTION BOXES, ETC., SMOOTH INSIDE AND OUTSIDE AND MECHANICALLY SECURE IN PLACE, APPROVED STRAPS, HANGERS, OR SUPPORTS SHALL BE USED TO SECURE CONDUITS IN PLACE. CONDUITS SHALL, IN GENERAL, BE SUPPORTED AT INTERVALS NOT EXCEEDING 10'-0'.
- (E) CONDUITS SHALL BE CONCEALED WITHIN THE WALLS, CEILING, AND FLOORS (F)INSULATED BUSHINGS OR THIN-WALL CONNECTORS WITH INSULATED THROAT SHALL BE USED WITH CONDUITS 1-1/4 INCH AND LARGER. IF CONDUIT CANNOT BE CONCEALED IN EXISTING WALLS, GENERAL CONTRACTOR TO INSTALL FURRED GYPSUM BOARD WALL EXTENDING A MINIMUM DISTANCE FROM EXISTING WALL TO PROVIDE COVERAGE.

#### 2. WIRE AND CABLE:

- (A) WIRE AND CABLE SHALL BE OF SIZES AS SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED.
- (B) ALL CONDUCTORS SHALL BE NO. 12 AWG COPPER UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL CONDUCTOR SIZES SHOWN ON THE DRAWINGS ARE FOR COPPER CONDUCTORS.
- (C) NO. 10 AWG AND SMALLER CONDUCTORS SHALL BE SOLID WITH TYPE THHN OR THWN INSULATION AND NO. 8
  AWG AND LARGER CONDUCTORS SHALL BE STRANDED WITH TYPE THHN OR THWN INSULATION EXCEPT THAT
  CONDUCTORS WITHIN 3 INCHES OF LIGHT FIXTURE BALLASTS SHALL HAVE THHN OR EQUAL. INSULATION RATED
  FOR 150C. APPLICATION.

#### 3. WALL PLATES:

- (A) GROUPS OF SWITCHES OR SWITCH AND OUTLET COMBINATIONS SHALL BE MOUNTED UNDER ONE MULTI-GANG
- (B) WALL PLATES SHALL FIT AND COVER PROPERLY THE DEVICE AND WALL OPENING. NO OPEN OR UNFINISHED SURFACES SHALL SHOW AFTER INSTALLATION OF THE WALL PLATES.
- (C) WALL PLATES FOR ALL DEVICES AND TELEPHONE OUTLETS, UNLESS OTHERWISE NOTED, SHALL BE WHITE PLASTIC.

#### . WIRING DEVICES:

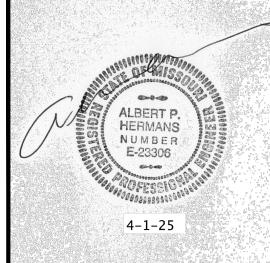
- (A) WALL TUMBLER SWITCHES FOR GENERAL USE SHALL BE SPECIFICATION GRADE GENERAL ELECTRIC NO. GE-5431-2, OR EQUAL. WALL SWITCHES SHALL BE OF THE MECHANICALLY SILENT TYPE WITH WHITE PLASTIC HANDLES, AND SHALL BE RATED 20 AMPERES AC, 120/211 VOLTS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- (B) TWENTY AMPERE 120/208 VOLT TOGGLE SWITCHES SHALL BE GENERAL ELECTRIC NO. GE-5951-2, OR EQUAL.
- (C) CONVENIENCE OUTLETS SHALL BE GENERAL ELECTRICAL NO. GE-4060-2, WHITE, DUPLEX, GROUNDING TYPE RECEPTACLE, OR EQUAL.
- (D) GFI OUTLET SHALL BE HUBBELL NO. GF-53621, WHITE, DUPLEX GROUND FAULT TYPE, OR EQUAL.

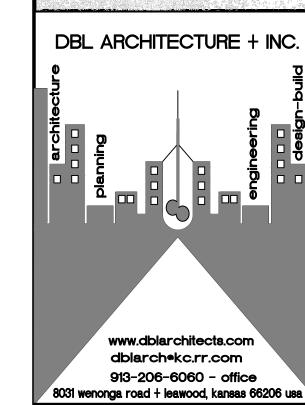
#### 5. TELEPHONE:

- (A) TELEPHONE WALL OUTLETS SHALL CONSIST OF AN OUTLET BOX WITH GENERAL ELECTRIC, NO. GE-72181 SMOOTH WHITE WALL PLATE AND 3/4 INCH CONDUIT UP IN WALL TO TERMINATION ABOVE CEILING. INSTALL TELEPHONE SWITCH BOX ABOVE CEILING.
- 6. LIGHTING AND POWER PANELBOARDS:
- (A) LIGHTING AND POWER PANELBOARDS SHALL BE GENERAL ELECTRIC TYPE NAB, SURFACE MOUNT, 120/208 VOLT, 3 PHASE, 4 WIRE WITH CIRCUIT BREAKERS AS NOTED ON THE DRAWINGS OR EQUAL.
- (B) BREAKERS SHALL BE BOLT-ON TYPE HAVING 10,000 SYMMETRICAL AMPERES INTERRUPTING CAPACITIES.
- (C) A TYPEWRITTEN DIRECTORY FOR EACH PANELBOARD, SHOWING THE FUNCTION OF EACH BREAKER SHALL BE FURNISHED AND INSTALLED.

#### 1. SAFETY SWITCH:

(A) SAFETY SWITCH SHALL BE GENERAL DUTY FUSIBLE TYPE AS INDICATED ON THE DRAWINGS. VERIFY LOCATION AND TYPE WITH LANDLORD.





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from such use shall not be enforceable.

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#### I PROJECT:

GOOD CENTS
A NEW SANDWICH RESTAURANT
869 SW Lemans Ln,
Lee's Summit, MO 64082

#### I PROJECT LOG

CONTRACT INITIATION
March 19, 2025

AS-BUILT MEASURING/COMPLETION

3/20/25
OWNER'S DESIGN REVIEW
?/?/25

PLANNING PRE-APP REVIEW

?/?/25
PLANNING SPECIAL USE SUBMITTAL

OWNER'S CD REVIEW

?/?/25
PLANS AVAILABLE FOR PERMIT SUBMIT
4/1/25

PLANS PERMIT RESUBMIT ?/?/25

### REVISIONS:

REVISED PER CITY ?/?/25

REVISED PER CITY ?/?/25

# SHEET TITLE: ELECTRICAL SPECIFICATIONS

SHEET NO.:

PROJECT NUMBER :

#### SECTION 260000 - ELECTRICAL SPECIFICATIONS

26-I. ELECTRICAL REQUIREMENTS

26—I—A. GENERAL REQUIREMENTS

1. ALL REQUIREMENTS UNDER DIVISION 1 & GENERAL & SUPPLEMENTARY CONDITIONS
OF THESE SPECIFICATIONS APPLY TO THIS SECTION & DIVISION. WHERE
REQUIREMENTS OF THIS SECTION & DIVISION EXCEED THOSE OF DIVISION 1, THIS SECTION & DIVISION TAKE PRECEDENCE. BECOME THOROUGHLY FAMILIAR W/ ALL THEIR CONTENTS AS TO REQUIREMENTS THAT AFFECT THIS DIVISION, SECTION OR BOTH. WORK REQUIRED UNDER THIS DIVISION INCLUDES ALL MATERIAL, EQUIPMENT, APPLIANCES, & LABOR REQUIRED TO COMPLETE ENTIRE ELECTRICAL SYSTEM AS REQUIRED BY DRAWINGS & SPECIFICATIONS, OR REASONABLY INFERRED TO BE NECESSARY TO FACILITATE EACH SYSTEM'S FUNCTIONING AS IMPLIED BY DESIGN & EQUIPMENT SPECIFIED.

SPECIFICATIONS & DRAWINGS FOR PROJECT ARE COMPLEMENTARY, & PORTIONS OF WORK DESCRIBED IN ONE, SHALL BE PROVIDED AS IF DESCRIBED IN BOTH. IN

EVENT OF DISCREPANCIES, NOTIFY ENGINEER & REQUEST CLARIFICATION PRIOR TO PROCEEDING W/ WORK INVOLVED.

3. DRAWINGS ARE GRAPHIC REPRESENTATIONS OF WORK UPON WHICH CONTRACT IS BASED. THEY SHOW MATERALS & THEIR RELATIONSHIP TO ONE ANOTHER, INCLUDING SIZES, SHAPES, LOCATIONS, & CONNECTIONS. THEY ALSO CONVEY SCOPE OF WORK, INDICATING INTENDED GENERAL ARRANGEMENT OF EQUIPMENT, FIXTURES, OUTLETS & CIRCUITS WITHOUT SHOWING ALL OF EXACT DETAILS AS TO ELEVATIONS, OFFSETS, CONTROL LINES, & OTHER INSTALLATION REQUIREMENTS. ISE DRAWINGS AS GUIDE WHEN LAYING OUT WORK & TO VERIEY THAT MATERIALS & EQUIPMENT WILL FIT INTO DESIGNATED SPACES, & WHICH, WHEN INSTALLED PER MANUFACTURERS' REQUIREMENTS, WILL ENSURE COMPLETE, COORDINATED, SATISFACTORY & PROPERLY OPERATING SYSTEM.
DRAWINGS ARE SCHEMATIC IN NATURE, SHOW VARIOUS COMPONENTS OF SYSTEMS APPROXIMATELY TO SCALE & ATTEMPT TO INDICATE HOW THEY SHALL BE INTEGRATED W/ OTHER PARTS OF WORK. FIGURED DIMENSIONS TAKE PRECEDENCE TO SCALED DIMENSIONS. DETERMINE EXACT LOCATIONS BY JOB MEASUREMENTS, BY CHECKING REQUIREMENTS OF OTHER TRADES, & BY REVIEWING ALL CONTRACT DOCUMENTS. CORRECT ERRORS THAT COULD HAVE BEEN AVOIDED BY PROPER CHECKING & INSPECTION, AT NO ADDITIONAL COST TO OWNER. UTILIZATIONS OF INSPECTION, AT NO ADDITIONAL COST TO OWNER.

S. SPECIFICATIONS DEFINE QUALITATIVE REQUIREMENTS FOR PRODUCTS, MATERIALS, & WORKMANSHIP UPON WHICH CONTRACT IS BASED.

ALL WORK SHALL BE IN ACCORDANCE W/ LATEST EDITION OF INTERNATIONAL BUILDING CODE, NATIONAL ELECTRICAL CODE, NPA, CODES AS ADOPTED BY CITY, COUNTY, STATE & ALL OTHER APPLICABLE CODES.

ALL MATERIALS & FOLIDIPATY SMALL BE NEW & SMALL BEAD THE LASE WITHOUT SMALL BEAD THE SMALL BEAD THE SMALL BEAD THE SMALL BEAD THE WITHOUT SMALL BEAD THE SMA

ALL MATERIALS & EQUIPMENT SHALL BE NEW & SHALL BEAR U.L. LABEL WHERE
APPLICABLE. PROVIDE WATERPROOF EQUIPMENT ENCLOSURES WHERE REQUIRED.
B. OBTAIN & PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THIS WORK & SHALL MAKE ARRANGEMENTS FOR MODIFICATIONS TO ELECTRICAL CONNECTIONS TO BUILDING AS REQUIRED.

CONTRACTOR SHALL PROVIDE ALL LABOR & MATERIALS REQUIRED TO HAVE COMPLETE FUNCTIONING ELECTRICAL LIGHTING & POWER SYSTEMS TOGETHER W/ ALL ASSOCIATED EQUIPMENT & APPARATUS AS SHOWN ON PLANS. 10. WHERE AN ELECTRICAL DEVICE IS REQUIRED BY CODE BUT NOT SHOWN, IT SHALL BE PROVIDED AS THOUGH FULLY SHOWN & SPECIFIED.

CONTRACTOR SHALL VISIT SITE & OBSERVE CONDITIONS UNDER WHICH WORK WILL BE DONE. ANY DISCREPANCIES SHALL BE CALLED TO ARCHITECT'S ATTENTION. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION FOR ANY ERROR

NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION FOR ANY ERROR OR NEGLIGENCE ON CONTRACTOR'S PART.

12. FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS & APPLIANCES OPERATE SATISFACTORILY AS DESIGNED & INTENDED. WORK SHALL INCLUDE REQUIRED ADJUSTMENT OF SYSTEMS & CONTROL EQUIPMENT INSTALLED UNDER THESE SPECIFICATIONS.

13. WARRANT TO OWNER QUALITY OF MATERIALS, EQUIPMENT, WORKMANSHIP & OPERATION OF EQUIPMENT PROVIDED UNDER THESE SPECIFICATIONS FOR ONE YEAR FROM & AFTER COMPLETION OF BUILDING & ACCEPTANCE OF MECHANICAL SYSTEMS BY OWNER 14. ALL MATERIALS INSTALLED IN PLENUMS SHALL BE NONCOMBUSTIBLE OR HAVE 17. ALL MAILENIALS INSTALLED IN PLENUMS SHALL BE NONCOMBUSTIBLE OR HAVE FLAME/SMOKE INDEX OF NO MORE THAN 25/50 IN ACCORDANCE W/ ASTM E 84.

15. PROVIDE ALL HOISTS, SCAFFOLDS, STAGING, RUNWAYS, TOOLS, MACHINERY & EQUIPMENT REQUIRED FOR PERFORMANCE OF ELECTRICAL WORK. STORE & MAINTAIN MATERIAL & EQUIPMENT IN CLEAN CONDITION, & PROTECTED FROM WEATHER, MOISTURE, & PHYSICAL DAMAGE.

16. FURNISH ONLY MATERIAL & EQUIPMENT THAT ARE LISTED, LABELED, CERTIFIED, OR ALL THREE BY NATIONALLY PEOCENIZED TECTING LABORATORY (MICTI). ALL THREE, BY NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL.), WHENEVER ANY LISTING OR LABELING EXISTS FOR TYPES OF MATERIAL & EQUIPMENT 17. AT MINIMUM, GENERAL WORK PRACTICES FOR ELECTRICAL CONSTRUCTION SHALL BE IN ACCORDANCE W/ NECA 1 (LATEST EDITION), "STANDARD PRACTICES FOR GOOD WORKMANSHIP IN FLECTPICAL CONSTRUCTIONS

<u>26-1-B. DEFINITIONS</u>
1. WHENEYER USED IN THESE SPECIFICATIONS OR DRAWINGS, FOLLOWING TERMS SHALL HAVE INDICATED MEANINGS: 1.1. FURNISH: "TO SUPPLY & DELIVER TO PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLING, INSTALLING, & SIMILAR OPERATIONS. ONFACKING, ASSEMBLING, INSTALLING, & SIMILAR OPERATIONS.

2. INSTALL: "TO PERFORM ALL OPERATIONS AT PROJECT SITE, INCLUDING, BUT NOT LIMITED TO, & AS REQUIRED: UNLOADING, UNPACKING, ASSEMBLING, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, TESTING, COMMISSIONING, STARTING UP & SIMILAR OPERATIONS, COMPLETE, & READY FOR INTENDED

PROVIDE: "TO FURNISH & INSTALL COMPLETE, & READY FOR INTENDED USE." FURNISHED BY OWNER (OR OWNER-FURNISHED) OR FURNISHED BY OTHERS: "AN ITEM FURNISHED BY OWNER OR UNDER OTHER DIVISIONS OR CONTRACTS. FOR INTENDED USE, INCLUDING ALL ITEMS & SERVICES INCIDENTAL TO WORK NECESSARY FOR PROPER INSTALLATION & OPERATION. INCLUDE INSTALLATION UNDER WARRANTY REQUIRED BY THIS DIMISION.
ENGINEER: WHERE REFERENCED IN THIS DIMISION, "ENGINEER" IS ENGINEER OF RECORD & DESIGN PROFESSIONAL FOR WORK UNDER THIS DIVISION, & IS CONSULTANT TO, & AN AUTHORIZED REPRESENTATIVE OF, ARCHITECT, AS

DEFINED IN GENERAL &/OR SUPPLEMENTARY CONDITIONS. WHEN USED IN THIS DIVISION, IT MEANS INCREASED INVOLVEMENT BY, & OBLIGATIONS TO, ENGINEER. IN ADDITION TO INVOLVEMENT BY, & OBLIGATIONS TO, "ARCHITECT". AHJ: LOCAL CODE &/OR INSPECTION AGENCY (AUTHORITY) HAVING JURISDICTION OVER WORK. NRTL: NATIONALLY RECOGNIZED TESTING LABORATORY, AS DEFINED & LISTED BY OSHA IN 29 CFR 1910.7 (E.G., UL, ETL, CSA), & ACCEPTABLE TO AHJ TERMS "APPROVED EQUAL", "EQUIVALENT", OR "EQUAL" ARE USED SYNONYMOUSLY & SHALL MEAN "ACCEPTED BY OR ACCEPTABLE TO ENGINEER

26-I-C. PRE-BID SITE VISIT

1. PERSONALLY INSPECT SITE OF PROPOSED WORK & BECOME FULLY INFORMED OF CONDITIONS UNDER WHICH WORK IS TO BE DONE, FAILURE TO DO SO WILL NOT BE CONSIDERED SUFFICIENT JUSTIFICATION TO REQUEST OR OBTAIN EXTRA COMPENSATION OVER & ABOVE CONTRACT PRICE.

AS EQUIVALENT TO ITEM OR MANUFACTURER SPECIFIED". TERM "APPROVED"

26-I-D. COORDINATION

1. COORDINATE ALL WORK W/ OTHER DIVISIONS & TRADES SO THAT VARIOUS COMPONENTS OF ELECTRICAL SYSTEMS ARE INSTALLED AT PROPER TIME, FIT AVAILABLE SPACE, & ALLOW PROPER SERVICE ACCESS TO ALL EQUIPMENT. REFER TO ALL DRAWINGS, INCLUDING, BUT NOT LIMITED TO, CMIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, & PLUMBING, & TO RELEVANT EQUIPMENT SUBMITTALS & SHOP DRAWINGS TO DETERMINE EXTENT OF CLEAR SPACES. MAKE ALL OFFSETS REQUIRED TO CLEAR EQUIPMENT, BEAMS & OTHER STRUCTURAL MEMBERS, & TO FACILITATE CONCEALING RACEWAYS IN MANNER ANTICIPATED IN DESIGN. PROVIDE MATERIALS W/ TRUE THAT WILL THE PROPEREY. MATERIALS W/ TRIM THAT WILL FIT PROPERLY TYPES OF CEILING, WALL, OR FLOOR FINISHES ACTUALLY INSTALLED.

26-I-E. ORDINANCES. CODES. & STANDARDS 20—IF-L. UNUMANUES. CUDES. & STANDARUS
1. COMPLY, AT MINIMUM, W/ NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
STANDARDS, STATE & LOCAL BUILDING CODES, & ALL OTHER APPLICABLE CODES &
ORDINANCES FOR PERFORMANCE, WORKMANSHIP, EQUIPMENT, & MATERIALS.
ADDITIONALLY, COMPLY W/ RULES & REGULATIONS OF PUBLIC UTILITIES & MUNICIPAL DEPARTMENTS AFFECTED BY CONNECTION OF SERVICES.
WHERE CONFLICTS BETWEEN VARIOUS CODES, ORDINANCES, RULES, & REGULATIONS EXIST, COMPLY W/ MOST STRINGENT. WHEREVER REQUIREMENTS OF THESE SPECIFICATIONS, DRAWINGS, OR BOTH, EXCEED THOSE OF ABOVE ITEMS, REQUIREMENTS OF THESE SPECIFICATIONS, DRAWINGS, OR BOTH, SHALL GOVERN. CODE COMPLIANCE, AT MINIMUM, IS MANDATORY, CONSTRUE NOTHING IN THESE CONSTRUCTION DOCUMENTS AS PERMITTING WORK NOT IN COMPLIANCE, AT MINIMUM, W/ THESE CODES. L CONFLICTS OBSERVED BETWEEN CODES, ORDINANCES, RULES, REGULATIONS, REFERENCED STANDARDS, & THESE DOCUMENTS TO ENGINEER'S ATTENTION FOR FINAL RESOLUTION. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY VOLATION OF LAW.
PROVIDE & MAINTAIN ALL NECESSARY SIGNAL LIGHTS & GUARDS FOR SAFETY OF PUBLIC. OBTAIN & PAY FOR ALL PERMITS FOR WORK IN THIS DIVISION.

26-I-F. PROTECTION OF EQUIPMENT & MATERIALS

1. STORE & PROTECT FROM DAMAGE EQUIPMENT & MATERIALS DELIVERED TO JOB SITE, IN ACCORDANCE W/ MANUFACTURERS' RECOMMENDATIONS. FOR MATERIALS & EQUIPMENT SUSCEPTIBLE TO CHANGING WEATHER CONDITIONS, DAMPNESS, OR TEMPERATURE VARIATIONS, STORE INSIDE IN CONDITION SPACES. FOR MATERIALS & EQUIPMENT NOT SUSCEPTIBLE TO THESE CONDITIONS, COVER AS REQUIRED TO PROTECT FROM DIRT & DAMAGE. EQUIPMENT & MATERIAL DAMAGED BY CONSTRUCTION ACTIVITIES WILL BE REJECTED, & CONTRACTOR SHALL FURNISH NEW EQUIPMENT & MATERIAL OF LIKE KIND. PLUG OR CAP OPEN ENDS OF CONDUITS
WHILE STORED & INSTALLED DURING CONSTRUCTION WHEN NOT IN USE TO PREVENT ENTRANCE OF DEBRIS INTO SYSTEMS.

<u>?-I-I. SHOP DRAWINGS</u>
SUBMIT TO ARCHITECT FOR APPROVAL, ELECTRONIC PDF COPIES OF MANUFACTURER'S SHOP DRAWINGS FOR EQUIPMENT TO BE FURNISHED UNDER THIS CONTRACT, ITEMS REQUIRING COORDINATION BETWEEN CONTRACTORS & SHEET METAL DUCTWORK FABRICATION DRAWINGS. BEFORE SUBMITTING SHOP DRAWINGS VERIFY EQUIPMENT SUBMITTED IS MUTUALLY COMPATIBLE & SUITABLE FOR INTENDED USE & WILL FIT AVAILABLE SPACE & ALLOW AMPLE ROOM FOR MAINTENANCE. ENGINEER'S CHECKING & SUBSEQUENT APPROVAL OF SUCH SHOP DRAWINGS WILL NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS IN DIMENSIONS, DETAILS, SIZE OF MEMBERS, QUANTITIES, OMISSIONS OF COMPONENTS OR FITTINGS; COORDINATION OF ELECTRICAL REQUIREMENTS; OR FOR COORDINATING ITEMS W/ ACTUAL BUILDING CONDITIONS. PROCEED W/ PROCUREMENT & INSTALLATION OF EQUIPMENT ONLY AFTER RECEIVING APPROVED SHOP DRAWINGS RELATIVE, 10 EACH TIEM.

SUBMITTAL DATA SHALL BE NEATLY ORGANIZED, IDENTIFIED & INDEXED. EACH ITEM

OR MODEL NUMBER SHALL BE CLEARLY MARKED & ACCESSORIES INDICATED. LABEL CATALOG DATA W/ EQUIPMENT IDENTIFICATION ACRONYM OR NUMBER AS USED ON DRAWINGS & INCLUDE PERFORMANCE CURVES, CAPACITIES, SIZES, MATERIALS, FINISHES, WIRING DIAGRAMS & DEVIATIONS FROM SPECIFIED EQUIPMENT OR MATERIALS. MARK OUT INAPPLICABLE TIEMS. SHOP DRAWINGS WILL BE RETURNED WITHOUT REVIEW IF ABOVE MENTIONED REQUIREMENTS ARE NOT MET.

3. REQUIREMENTS SHALL BE MET ELECTRONICALLY & SUBMITTED AS PDF IN FILES

4. CONTRACTOR'S STAMP, WHICH SHALL CERTIFY THAT STAMPED DRAWINGS HAVE BEEN CHECKED BY CONTRACTOR, COMPLY W/ DRAWINGS & SPECIFICATIONS, & HAVE BEEN COORDINATED W/ OTHER TRADES.
TRANSMIT SUBMITTALS AS EARLY AS REQUIRED TO SUPPORT PROJECT SCHEDULE. ALLOW FOR TWO WEEKS A/E REVIEW TIME. PLUS DUPLICATION OF THIS TIME FOR RESUBMITTALS. IF REQUIRED. TRANSMIT SUBMITTALS AS SOON AS POSSIBLE AFTER NOTICE TO PROCEED & BEFORE CONSTRUCTION STARTS. ENGINEER'S SUBMITTAL REVIEWS WILL NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS IN DIMENSIONS, DETAILS, SIZE OF MEMBERS, OR QUANTITIES; OR FOR OMITTING COMPONENTS OR FITTINGS; OR FOR NOT COORDINATING ITEMS W/ ACTUAL BUILDING CONDITIONS.

5. FINAL COPIES SHALL BE FURNISHED TO OWNER AS PART OF O&M DOCUMENTS IN

26-I-J. OPERATION & MAINTENANCE INSTRUCTIONS COLLECT & COMPILE COMPLETE BROCHURE OF EQUIPMENT FURNISHED & INSTALLED ON THIS PROJECT. INCLUDE OPERATIONAL & MAINTENANCE INSTRUCTIONS, MANUFACTURER'S CATALOG SHEETS, WIRING DIAGRAMS, PARTS LISTS. APPROVED SHOP DRAWINGS, TEST & BALANCE REPORTS, & DESCRIPTIVE LITERATURE AS FURNISHED BY EQUIPMENT MANUFACTURER. INCLUDE AN INSIDE COVER SHEET THAT LISTS PROJECT NAME, DATE, OWNER, ARCHITECT, CONSULTING ENGINEER, GENERAL CONTRACTOR, SUB-CONTRACTOR, & AN INDEX OF CONTENTS. SUBMIT THREE COPIES OF LITERATURE BOUND IN 3-RING BINDERS W/ INDEX & TABS SEPARATING EQUIPMENT TYPES TO ARCHITECT AT TERMINATION OF WORK. FINAL APPROVAL OF PLUMBING SYSTEMS WILL BE WITHHELD UNTIL MANUAL IS RECEIVED & DEEMED COMPLETE BY ARCHITECT & ENGINEER. PROVIDE "AS-BUILT" DRAWINGS (SEE DIVISION 1 & GENERAL CONDITIONS). THESE REQUIRMENTS MAY SHALL ALSO BE PROVIDED TO THE OWNER IN A WELL

RGANIZED PDF ELECTRONIC SUBMISSION & DELIVERED ON A DVD OR THUMBDRIVE OPERATION & MAINTENANCE INSTRUCTIONS SUBMIT TO ARCHITECT, FOR ENGINEER'S REVIEW, COPIES EACH OF OPERATIONS & MAINTENANCE INSTRUCTION MANUALS, APPROPRIATELY BOUND INTO MANUAL FORM INCLUDING APPROVED COPIES OF FOLLOWING, REVISED IF NECESSARY TO SHOW SYSTEM & EQUIPMENT AS ACTUALLY INSTALLED. PROVIDE NUMBER OF SUBMITTALS REQUIRED BY DIVISION 1; HOWEVER, AT MINIMUM, SUBMIT THREE (3) SETS, &

INCLUDE, AT MINIMUM, FOLLOWING INFORMATION: INCLUDE, AI MINIMUM, POLLUMING INFORMATION.

1A. MANUFACTURERS' CATALOGS & PRODUCT DATA SHEETS, WIRING DIAGRAMS
MAINIENANCE INSTRUCTIONS, OPERATING INSTRUCTIONS, PARTS LISTS
TEST REPORTS AS DEFINED IN NETA ATS FOR SYSTEMS & EQUIPMENT PROVIDED OR FURNISHED OR INSTALLED UNDER THIS CONTRACT.

NAMES, ADDRESSES, TELEPHONE NUMBERS, & E—MAIL ADDRESSES OF LOCAL
CONTACTS FOR WARRANTY SERVICES & SPARE PARTS.

SUBMIT MANUALS PRIOR TO REQUESTING FINAL PUNCH LIST & BEFORE ANY EQUESTS FOR SUBSTANTIAL COMPLETION. ALSO PROVIDE ADEQUATE INSTRUCTIONS OF SYSTEM OPERATIONS TO OWNER'S REPRESENTATIVE AT COMPLETION OF, & BEFORE FINAL ACCEPTANCE OF, WORK.

26-I-J. TRAINING

1. AT TIME MUTUALLY AGREED UPON BETWEEN OWNER & CONTRACTOR, PROVIDE DESIGNATED PERSONNEL ON OPERATION & MAINTENANCE OF EQUIPMENT PROVIDED FOR THIS PROJECT.

2. PROVIDE TRAINING TO INCLUDE BUT NOT BE LIMITED TO AN OVERVIEW OF SYSTEM &/OR EQUIPMENT AS IT RELATES TO FACILITY AS WHOLE; OPERATION & MAINTENANCE PROCEDURES & SCHEDULES RELATED TO STARTUP & SHUTDOWN, TROUBLESHOOTING, SERVICING, PREVENTIVE MAINTENANCE & APPROPRIATE OPERATOR INTERVENTION; & REVIEW OF DATA INCLUDED IN OPERATION & MAINTENANCE INSTRUCTIONS.

SUBMIT CERTIFICATION LETTER TO ARCHITECT STATING THAT OWNER'S DESIGNATED REPRESENTATIVE HAS BEEN TRAINED AS SPECIFIED HEREIN. LETTER SHALL INCLUDE DATE, TIME, ATTENDEES & SUBJECT OF TRAINING. CONTRACTOR & OWNER'S REPRESENTATIVE SHALL SIGN CERTIFICATION LETTER INDICATING AGREEMENT THAT TRAINING HAS BEEN PROVIDED. 4. SCHEDULE TRAINING W/ OWNER W/ AT LEAST 7 DAYS' ADVANCE NOTICE. 26—I-K. WARRANTIES

1. WARRANT EACH SYSTEM & EACH ELEMENT THEREOF AGAINST ALL DEFECTS DUE TO

FAULTY WORKMANSHIP, DESIGN OR MATERIAL FOR PERIOD OF 12 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION, UNLESS SPECIFIC ITEMS ARE NOTED TO CARRY LONGER WARRANTY IN CONSTRUCTION DOCUMENTS OR MANUFACTURER'S STANDARD LONGER WARRANTY IN CONSTRUCTION DOCUMENTS OR MANUFACTURER'S STANDARD WARRANTY EXCEEDS 12 MONTHS.

2. REMEDY ALL DEFECTS, OCCURRING WITHIN WARRANTY PERIOD(S), AS STATED IN GENERAL CONDITIONS & DIVISION 1. ALSO WARRANT FOLLOWING ADDITIONAL ITEMS:

2.1. ALL RACEWAYS ARE FREE FROM OBSTRUCTIONS, HOLES, CRUSHING, OR BREAKS OF ANY NATURE, ALL RACEWAY SEALS ARE EFFECTIVE, ENTIRE ELECTRICAL SYSTEM IS FREE FROM ALL SHORT CIRCUITS & UNWANTED OPEN CIRCUITS & GROUNDS.

3. ABOVE WARRANTIES SHALL INCLUDE LABOR & MATERIAL MAKE REPAIRS OR REPLACEMENTS WITHOUT ANY ADDITIONAL COSTS TO OWNER.

PERFORM REMEDIAL WORK PROMPTLY, UPON WRITTEN NOTICE FROM ENGINEER OR 5. AT TIME OF SUBSTANTIAL COMPLETION. DELIVER TO OWNER ALL WARRANTIES, IN . AI IMME OF SOBSIANTIAL COMPLETION, DELIVER OF WHITE ALL WARKENINES, IN WRITING & PROPERLY EXECUTED, INCLUDING TERM LIMITS FOR WARRANTIES EXTENDING BEYOND ONE YEAR PERIOD, EACH WARRANTY INSTRUMENT BEING ADDRESSED TO OWNER & STATING COMMENCEMENT DATE & TERM.

6-<u>i-l. Miscellaneous remodeling work</u> Provide all demolition of existing electrical systems & new electrical SYSTEM MODIFICATIONS REQUIRED BECAUSE OF BUILDING REMODELING, AS NOTED ON DRAWINGS, OR NECESSARY FOR PROPER OPERATION & NEW CONSTRUCTION. REMOVE ALL ABANDONED CABLES & WIRING ABOVE ACCESSIBLE CEILINGS & VENTILATION SHAFTS. . REMOVE DEBRIS, RUBBISH, & OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS FROM BUILDING SITE. TRANSPORT & LEGALLY DISPOSE OFF SITE.

3. IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS, COMPLY W/ APPLICABLE REGULATIONS, LAWS, & ORDINANCES CONCERNING REMOVAL, HANDLING, & PROTECTION AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION.

4. ERECT & MAINTAIN DUST—PROOF PARTITIONS & CLOSURES AS REQUIRED TO PREVENT SPREAD OF DUST OR FUMES TO ANY OCCUPIED PORTIONS OF THE BUILDING.

5. PHOTOGRAPHS OF EXISTING CONDITIONS OF STRUCTURE SURFACES, EQUIPMENT, &

REMOVAL OPERATIONS. FILE W/ ARCHITECT PRIOR TO START OF WORK. COMPLY W/ SCHEDULE OF OPERATIONS AS OUTLINED IN ARCHITECTURAL PORTIONS OF THIS SPECIFICATION. BUILDING SHALL BE IN CONTINUOUS OPERATION. ACCOMPLISH WORK THAT REQUIRES INTERRUPTION OF BUILDING OPERATION AT TIME WHEN BUILDING IS NOT IN OPERATION, & ONLY W/ WRITTEN APPROVAL OF BUILDING OWNER &/OR TENANT, COORDINATE INTERRUPTION OF BUILDING

OPERATION W/ OWNER &/OR TENANT MINIMUM OF 7 DAYS IN ADVANCE OF WORK.

. REPAIR ALL STREETS, SIDEWALKS, DRIVES, PAVING, WALLS, FINISHES, & OTHER FACILITIES DAMAGED IN COURSE OF THIS WORK. REPAIR MATERIALS SHALL MATCH EXISTING CONSTRUCTION. REPAIR MATERIALS SHALL GENERALLY MATCH EXISTING CONSTRUCTION. ALL BACKFILLING & REPAIRING SHALL MEET ALL REQUIREMENTS OF OWNER, CITY & OTHERS HAVING JURISDICTION. REPAIR WORK SHALL BE THOROUGHLY FIRST CLASS. CONFORM TO ALL REQUIREMENTS OF DIVISION 2 OF THESE SPECIALOGICAL.

26—I—O. CUTTING & PATCHING

1. FOLLOWING REQUIREMENTS IN DIVISION 1, CUT WALLS, FLOORS, CEILINGS, & OTHER PORTIONS OF FACILITY AS REQUIRED TO PERFORM WORK UNDER THIS DIVISION. OBTAIN PERMISSION OF ENGINEER, OWNER, OR BOTH, BEFORE DOING ANY CUTTING. CUT ALL HOLES AS SMALL AS POSSIBLE PATCH WALLS, FLOORS, & OTHER PORTIONS OF FACILITY AS REQUIRED BY WORK UNDER THIS DIVISION. ALL PATCHING SHALL BE THOROUGHLY FIRST CLASS & SHALL MATCH ORIGINAL MATERIAL & CONSTRUCTION, INCLUDING FIRE RATINGS IF APPLICABLE.

COORDINATE WITHOUT DELAY ALL ROUGHING-IN W/ OTHER DIVISIONS, CONCEAL ALL

COORDINATE SLEEVE SELECTION & APPLICATION W/ SELECTION & APPLICATION OF FIRE-STOPPING SPECIFIED IN DIVISION 7 SECTION "THROUGHPENETRATION FIRESTOP 2A. COORDINATE ALL ROOF PENETRATIONS W/ ENGINEER, OWNER, & AS

APPLICABLE, ROOFING CONTRACTOR PROVIDING ROOF WARRANTY.
2B. KEEP ALL RACEWAY PENETRATIONS WITHIN MECHANICAL EQUIPMENT CURBS WHEREVER POSSIBLE, COORDINATE W/ DIVISION 15 WORK. 2C. FLASH & COUNTERFLASH ALL OPENINGS THROUGH ROOF, &/OR PROVIDE PRE-FABRICATED MOLDED SEALS COMPATIBLE W/ ROOF CONSTRUCTION INSTALLED, OR AS REQUIRED BY ENGINEER, OWNER, OR ROOFING CONTRACTOR.
ALL ROOF PENETRATIONS SHALL BE LEAKTIGHT AT TERMINATION OF WORK &
SHALL NOT VOID ANY NEW OR EXISTING ROOF WARRANTIES.

3A. SLEEVES FOR RACEWAYS & CABLES - STEEL PIPE SLEEVES: ASTM 53/A 53M. TYPE E, GRADE B, SCHEDULE 40, GALVANIZED STEEL, PLAIN ENDS & DRIP RINGS. CAST-IRON PIPE SLEEVES: CAST OR FABRICATED "WALL PIPE," EQUIVALENT TO DUCTILE-IRON PRESSURE PIPE, W/ PLAIN ENDS & INTEGRAL 3B. SLEEVES FOR RECTANGULAR OPENINGS: GALVANIZED SHEET STEEL W/ MINIMUM 0.052- OR 0.138-INCH THICKNESS AS INDICATED & OF LENGTH TO SUIT

26-I-R. FIRE-STOPPING THROUGH PENETRATIONS
1. FIRE-RESISTANT THROUGH PENETRATION SEALANTS: TWO-PART, FOAMED-INPLACE, SILICONE SEALANT FORMULATED FOR USE IN THROUGH—PENETRATION FIRE—STOPPING AROUND CABLES, RACEWAYS, & CABLE TRAY PENETRATION THROUGH FIRE—RATED WALLS & FLOORS. SEALANTS & CACCESSORIES SHALL HAVE FIRE—RESISTANCE RATINGS INDICATED, AS ESTABLISHED BY TESTING IDENTICAL SSEMBLIES IN ACCORDANCE W/ ASTM E 814, BY UNDERWRITERS' LABORATORIES INC., OR OTHER NRTL ACCEPTABLE TO AHJ. ACCEPTABLE MANUFACTURERS: HILTI, 3M, RECTORSEAL, SPECIFY TECHNOLOGY INC., UNITED STATES GYPSUM COMPANY.

26-I-S. SUBMITTALS

1. SUBMIT PRODUCT DATA: MANUFACTURER'S SPECIFICATIONS & TECHNICAL DATA FOR EACH MATERIAL INCLUDING COMPOSITION & LIMITATIONS, DOCUMENTATION OF UL FIRESTOP SYSTEMS TO BE USED & MANUFACTURER'S INSTALLATION INSTRUCTIONS TO COMPLY W/ DIVISION 1. DETAILS WHEN NO UL SYSTEM IS AVAILABLE FOR AN APPLICATION. ENGINEERING IUDGMENT SHALL INCLUDE BOTH PROJECT NAME & CONTRACTOR'S NAME WHO WILL INSTALL FIRESTOP SYSTEM AS DESCRIBED IN DRAWINGS. SUBMIT MATERIAL SAFETY DATA SHEETS PROVIDED W/ PRODUCT DELIVERED TO

2B—I-T. ACCESS DOORS 1. PROVIDE ACCESS DOORS IN CEILINGS & WALLS, WHERE INDICATED OR REQUIRED FOR ACCESS OR MAINTENANCE TO CONCEALED EQUIPMENT INSTALLED UNDER THIS SECTION. PROVIDE CONCEALED HINGES SCREWDRIVER—TYPE LOCK, & ANCHOR STRAPS. MANUFACTURED BY MILCOR, ZURN, TITUS, OR EQUAL. OBTAIN ARCHITECT'S APPROVAL OF TYPE, SIZE, LOCATION & COLOR BEFORE ORDERING.

26—I-U. EQUIPMENT FURNISHED BY OTHERS

1. PROVIDE NECESSARY EQUIPMENT & ACCESSORIES THAT ARE NOT PROVIDED BY EQUIPMENT SUPPLIER OR OWNER TO COMPLETE INSTALLATION OF EQUIPMENT FURNISHED BY OTHERS, IN LOCATIONS AS INDICATED ON DRAWINGS, SPECIFIED HEREIN, OR BOTH. EQUIPMENT & ACCESSORIES NOT PROVIDED BY EQUIPMENT SUPPLIER MAY INCLUDE SUCH ITEMS AS FLEXIBLE CORDS & PLUGS, AS REQUIRED FOR PROPER OPERATION OF COMPLETE SYSTEM, IN ACCORDANCE W/ MANUFACTURERS' INSTRUCTIONS. 2. BE RESPONSIBLE FOR GORRECT ROUGH-IN DIMENSIONS, & VERIFY THEM W/ PRIOR TO ROUGH-IN & SERVICE INSTALLATIONS.

28—I-V. CLEANING

IN ADDITION TO REQUIREMENTS OF DIMSION 1, REMOVE FROM PREMISES DIRT &
REFUSE RESULTING FROM PERFORMANCE OF ELECTRICAL WORK, AS REQUIRED, TO
PREVENT ACCUMULATION. COOPERATE IN MAINTAINING REASONABLY CLEAN PREMISES AT ALL TIMES. IMMEDIATELY PRIOR TO FINAL INSPECTION, MAKE FINAL CLEANUP OF DIRT & REFUSE RESULTING FROM WORK. CLEAN ALL MATERIAL & EQUIPMENT INSTALLED UNDER THIS DIVISION. REMOVE DIRT, DUST, PLASTER, STAINS & FOREIGN MATTER FROM ALL SURFACES. TOUCH UP & RESTORE ALL DAMAGED FINISHES TO

28—I—W. ADJUSTING. ALIGNING & TESTING
1. ADJUST, ALIGN, & TEST ALL ELECTRICAL EQUIPMENT ON THIS PROJECT PROVIDED UNDER THIS DIVISION & ALL ELECTRICAL EQUIPMENT FURNISHED BY OTHERS FOR INSTALLATION OR WIRING UNDER THIS DIVISION FOR PROPER OPERATION. TEST AL SYSTEMS & EQUIPMENT ACCORDING TO REQUIREMENTS IN NETA ATS (LATEST EDITION) & ALL ADDITIONAL REQUIREMENTS SPECIFIED IN FOLLOWING SECTIONS. MAINTAIN FOLLOWING ON PROJECT PREMISES AT ALL TIMES: TRUE RMS READING VOLTMETER, TRUE RMS READING AMMETER, MEGOHMMETER INSULATION RESISTANCE TESTER. PROVIDE TEST DATA READINGS AS REQUESTED OR AS REQUIRED BY ENGINEER

CHECK ALL COMPONENTS & DEVICES. LUBRICATE ITEMS ACCORDINGLY. TIGHTEN SCREWS & BOLTS FOR CONNECTORS & TERMINALS ACCORDING TO MANUFACTURER'S PUBLISHED TORQUE-TIGHTENING VALUES. IF MANUFACTURER'S TORQUE VALUES ARE NOT INDICATED, USE THOSE SPECIFIED IN UL 486A & UL 486B. CHECK & RECORD BUILDING'S SERVICE ENTRANCE VOLTAGE, GROUNDING

CONDITIONS, GROUNDING RESISTANCE, & PROPER PHASING.

6. REPLACE ALL BURNED-OUT LAMPS & LAMPS USED FOR TEMPORARY CONSTRUCTION LICHTING IN PERMANENT LIGHT TEXTURES.

6. AFTER ALL SYSTEMS HAVE BEEN INSPECTED & ADJUSTED, CONFIRM ALL OPERATING FEATURES REQUIRED BY DRAWINGS & SPECIFICATIONS & MAKE FINAL ADJUSTMENTS AS NECESSARY.

25-I-Y. EXISTING EQUIPMENT REUSE & REMOVAL

1. REMOVE ALL EXISTING WIRING, LIGHT FIXTURES, EXPOSED CONDUITS & OTHER ELECTRICAL INSTALLATIONS NOT REUSED PRIOR TO SUBSTANTIAL COMPLETION OF WORK. EXISTING RACEWAYS MAY BE REUSED IF THEIR POINTS OF TERMINATIONS ARE SUITABLE: IF THEY ARE CLEAN INSIDE W/ NO EVIDENCE OF RUST OR BURRS: IF FREE FROM CRACKS, FLATTENED SECTIONS OR SHARP BENDS; &, IF SUITABLY LOCATED TO AVOID CONFLICTS W/ OTHER TRADES OR INSTALLATIONS. CAREFULLY
"FISH" ALL EXISTING CONDUITS RELISED LINDER THIS CONTRACT TO REMOVE ALL FISH" ALL EXISTING CONDUITS BY UPIER TRADES OR INSTALLATIONS. CAREFULLY
FISH" ALL EXISTING CONDUITS REUSED UNDER THIS CONTRACT TO REMOVE ALL
DEBRIS & OBSTRUCTIONS, & SHAB UNTIL ALL MOISTURE IS REMOVED.
CUT, PATCH, & REPAIR WHERE REQUIRED FOR NEW ELECTRICAL INSTALLATIONS, &
PATCH & REPAIR ALL SURFACE DAMAGE RESULTING FROM THIS WORK. CUT FLUSH W/ FLOOR & PLUG AT BOTH ENDS, RACEWAYS STUBBED ABOVE FLOOR & NOT USED AT SUBSTANTIAL COMPLETION OF WORK.
RELOCATE ALL EXISTING ELECTRICAL SYSTEMS REQUIRED TO BE IN OPERATION AT SUBSTANTIAL COMPLETION OF CONTRACT, IF REQUIRED, AS RESULT OF WORK INCLUDED UNDER THIS CONTRACT, EVEN IF NOT SPECIFICALLY INDICATED IN DRAWINGS OR SPECIFICATIONS.

FOLLOW CIRCUITING SHOWN ON PLANS. USE NO CONDUIT SMALLER THAN 1/2" & NO CONDUCTORS SMALLER THAN #12 GA. UNLESS NOTED OTHERWISE.

IF NO CONDUCTOR SIZE IS INDICATED ON DRAWINGS FOR BRANCH CIRCUIT, PROVIDE CONDUCTORS & CONDUIT SIZED PER NFPA 70 & BASED ON INDICATED

BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE (OCPD) RATING & NUMBER OF BREAKER.WIRE SHALL BE IN NON-FLEXIBLE METALLIC CONDUIT (EMT, IMC OR RMC) FOR ALL CIRCUITS & FEEDERS GREATER THAN 30A, LIGHT SWITCH RISERS, KITCHEN CIRCUITS & HOME RUNS.

MC CABLE ACCEPTABLE FOR BRANCH CONVENIENCE CIRCUITS & LIGHTING CIRCUITS. DO NOT DAISY CHAIN LICHT FIXTURES. PROVIDE CABLE WHIPS OF SUFFICIENT LENGTHS TO ALLOW FOR RELOCATING EACH LIGHT FIXTURE WITHIN 5-FOOT RADIUS OF ITS INSTALLED LOCATION, BUT NOT EXCEEDING 6 FEET IN UNSUPPORTED

ELECTIONS.

DO NOT USE MC CABLE FOR FOLLOWING: HOMERUNS TO PANELBOARDS. WHERE EXPOSED TO VIEW OR DAMAGE, HAZARDOUS OR WET LOCATIONS, & WHEN DISALLOWED BY LOCAL AHJ OR LANDLORD. PROVIDE HEALTH CARE RATED MC FOR MEDICAL TREATMENT AREAS AS DEFINED BY
THE NEC WHEN NOT IN CONDUIT.
CONDUIT INSTALLED BELOW CRADE SHALL BE SCHEDULE 80 PVC HEAVY WALL PLASTIC CONDUIT MEETING NEMA STANDARDS & UL LISTED FOR UNDERGROUND & EXPOSED USE. PROVIDE GRS RADIUS BENDS & RISERS AS CONDUITS RISE ABOVE GRADE OR ABOVE FLOOR SLAB. B. PROVIDE INTERLOCKING SPACERS FOR MULT RUNS OF UG CONDUITS IN SAME ). LIGHTING & RECEPTACLE CIRCUIT CONDUCTORS SHALL BE COPPER THWN/THHN 600 VOLT, 75 DEG C, COLOR CODED AS DESCRIBED UNDER APPLICABLE CODES. NO ROMEX, PLASTIC FLEX TUBING ETC PERMITTED. LIGHT FIXTURE WIRE INSULATION SHALL HAVE TEMP RATING NOT LESS THAN INDIVIDUAL FIXTURE MANUF RECOMMENDED RATING.

10. CIRCUITS W/ NO. 8 OR LARGER CONDUCTORS, MOTOR CIRCUITS, POWER & FEEDER

CIRCUITS & BUILDING SERVICE FEEDERS SHALL BE COPPER THWN/THHN 600 VOLT.

75 DEG C.

1. ALL CONDUIT, JUNCTION BOXES, ETC. ABOVE CEILINGS SHALL BE SUPPORTED FROM STRUCTURE. PIPE SLEEVES, HANGERS & SUPPORTS SHALL BE FURNISHED & SET & CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER & PERMANENT LOCATIONS.

SUPPORT ALL CONDUCTORS & CABLES IN VERTICAL INSTALLATIONS, AS REQUIRED BY NFPA 70, BY INSTALLING CABLE SUPPORTS OR PLUG—TYPE CONDUIT RISER SUPPORTS, OR WIRE-MESH SAFETY GRIPS.

3. INSTALL ALL CONDUCTORS & CABLE IN RACEWAYS CONTINUOUS WITHOUT TAPS OR SPLICES. SPLICE OR TAP ONLY IN APPROVED BOXES & ENCLOSURES W/APPROVED SOLDERLESS CONNECTORS, OR CRIMP CONNECTORS & TERMINAL BLOCKS FOR CONTROL WIRING, & KEEP TO MINIMUM REQUIRED. INSULATE ALL SPLICES, TAPS, & JOINTS AS REQUIRED BY CODES.
4. ALL MATERIALS USED TO TERMINATE, SPLICE OR TAP CONDUCTORS: DESIGNED FOR, PROPERLY SIZED FOR, & UL LISTED FOR SPECIFIC APPLICATION & CONDUCTORS INVOLVED, & INSTALLED IN STRICT ACCORDANCE W/ MANUFACTURER'S RECOMMENDATIONS, USING THEMANUFACTURER'S RECOMMENDED TOOLS 15. WHERE WIRING IS INDICATED AS INSTALLED, BUT CONNECTION IS INDICATED
"FUTURE" OR "BY OTHER DIVISION, TRADES, OR CONTRACTS", LEAVE MINIMUM 3-FOOT "PIGTAIL" AT BOX, TAPE ENDS OF CONDUCTORS, & COVER BOX. 16. NUMBER OF CONDUCTORS IN SPECIFIC RACEWAY "HOME RUN" IS INDICATED W/ CROSS LINES (TICK MARKS) ON EACH "CIRCUIT RUN" ON DRAWINGS. IN GENERAL, DIRECTION OF BRANCH CIRCUIT "HOME RUN" ROUTING IS INDICATED ON DRAWINGS

RUINS" WERE INDICATED IN THEIR ENTIRETY.

17. WIRING SHALL HAVE INSULATION OF PROPER COLOR TO MATCH NEC COLOR CODE.

IN LARGER SIZES, WHERE PROPERLY COLORED INSULATION IS NOT AVAILABLE, USE

VINYL PLASTIC ELECTRICAL TAPE OF APPROPRIATE COLOR AROUND EACH

CONDUCTOR AT ALL TERMINATION POINTS, JUNCTION & PULL BOXES. 26-I-AA. RACEWAY INSTALLATION

1. INSTALL ALL CIRCULAR RACEWAYS CONCEALED ABOVE SUSPENDED CEILINGS OR CONCEALED IN WALLS OR FLOORS WHEREVER POSSIBLE EXCEPT WHERE OTHERWISE INDICATE.

COMPLETE W/ CIRCUIT NUMBERS & PANELBOARD DESIGNATION. CONTINUE ALL

SUCH "HOME RUN" WIRING TO DESIGNATED PANELBOARD, AS THOUGH "CIRCUI

INDICATED.

2. PROVIDE GRS FOR ALL CONDUITS RUN UNDERGROUND. EXPOSED TO WEATHER, OR EXPOSED TO OTHER HAZARDOUS CONDITIONS. PROVIDE GRS INSTALLED BELOW GRADE W/ CORROSION RESISTANT BONDED-PLASTIC OR APPROVED MASTIC COATING. THIS SHALL INCLUDE 90-DEGREE ELBOW BELOW GRADE & ENTIRE VERTICAL TRANSITION TO ABOVE GRADE.

3. ALL OTHER RACEWAY MAY BE EMT WHERE APPROVED BY LOCAL CODE. USE COMPRESSION TYPE FITTINGS FOR EMT, W/ ALL FITTINGS UL LISTED FOR ENVIRONMENT IN WHICH THEY ARE USED.

1. USE FINC FOR FINAL CONNECTION TO EACH MOTOR & TRANSFORMER, & TO ANY DEVICE THAT WOULD OTHERWISE TRANSMIT MOTION, VIBRATION, OR NOISE. USE LFINC WHERE EXPOSED TO LIQUIDS, VAPORS OR SUNLIGHT.

LFMC WHERE EXPOSED TO LIQUIDS, VAPORS OR SUNLIGHT.

5. PROVIDE ALL FMC & LFMC W/ AN INSULATED BONDING CONDUCTOR.

6. INSTALL RACEWAYS PARALLEL & PERPENDICULAR TO BUILDING LINES.

7. INSTALL RACEWAYS TO REQUIREMENTS OF STRUCTURE & TO REQUIREMENTS OF ALL OTHER WORK ON PROJECT. INSTALL RACEWAY TO CLEAR ALL OPENINGS, DEPRESSIONS, PIPES, DUCTS, REINFORCING STEEL, & OTHER IMMOVABLE OBSTACLES. INSTALL RACEWAYS SET IN FORMS FOR CONCRETE STRUCTURE IN SUCH MANNER THAT INSTALLATION WILL NOT AFFECT STRENGTH OF STRUCTURE.

8. INSTALL RACEWAYS CONTINUOUS BETWEEN CONNECTIONS TO OUTLETS, BOXES & CAPINITES W/ MINIMUM DESCRIPT MINIMUM DESCRIPT. CABINETS W/ MINIMUM POSSIBLE NUMBER OF BENDS & NOT MORE THAN EQUIVALENT OF FOUR 90-DEGREE BENDS BETWEEN CONNECTIONS. USE MANUFACTURED ELBOWS FOR ALL 45- & 90-DEGREE BENDS. UNLESS APPROVED SECURELY FASTEN RACEWAYS IN PLACE W/ APPROVED STRAPS, HANGERS & STEEL SUPPORTS AS REQUIRED. ATTACH RACEWAY SUPPORTS TO BUILDING STRUCTURE. HANG SINGLE RACEWAYS FOR FEEDERS W/ MALLEABLE SPLIT RING HANGERS W/ ROD & TURNBUCKLE SUSPENSION FROM INSERTS SPACED NOT OVER 10 FEET APART IN CONSTRUCTION ABOVE. APART IN CONSTRUCTION ABOVE.

10. CLAMP GROUPS OF HORIZONTAL FEEDER RACEWAYS TO STEEL CHANNELS THAT ARE SUSPENDED FROM INSERTS SPACED NOT OVER 10 FEET APART IN CONSTRUCTION ABOVE. SECURELY CLAMP VERTICAL FEEDER RACEWAYS TO STRUCTURAL STEEL MEMBERS ATTACHED TO STRUCTURE. INSTALL CABLE CLAMPS FOR SUPPORT OF VERTICAL FEEDERS WHERE REQUIRED. ADD RACEWAY SUPPORTS WITHIN 12 INCHES OF ALL BENDS, ON BOTH SIDES OF BENDS. DO NOT SUPPORT RACEWAYS FROM

SUSPENDED CEILING COMPONENTS.

1. REAM RACEWAY ENDS, THOROUGHLY CLEAN RACEWAYS BEFORE INSTALLATION, & KEEP CLEAN AFTER INSTALLATION. PLUG OR COVER OPENINGS & BOXES AS REQUIRED TO KEEP RACEWAYS CLEAN DURING CONSTRUCTION & FISH ALL RACEWAYS CLEAR OF OBSTRUCTIONS BEFORE PULLING CONDITIOTORS WIRES PROVIDE RACEWAYS OF AMPLE SIZE FOR PULLING OF WIRE & NOT SMALLER THAN CODE REQUIREMENTS & NOT LESS THAN 1/2-INCH IN SIZE, UNLESS INDICATED OTHERWISE ON DRAWINGS. 2. PROTECT ALL RACEWAY INSTALLATIONS AGAINST DAMAGE DURING CONSTRUCTION. REPAIR ALL RACEWAYS DAMAGED OR MOVED OUT OF LINE AFTER ROUGHING-IN TO MEET ENGINEER'S APPROVAL WITHOUT ADDITIONAL COST TO OWNER. 3. ALION & INSTALL TRUE & PLUMB ALL RACEWAY TERMINATIONS AT PANELBOARDS, SWITCHBOARDS, MOTOR CONTROL EQUIPMENT & JUNCTION BOXES. THROUGH (IF EMBEDDED) OR ACROSS (IF EXPOSED) EXPANSION JOINTS.

15. INSTALL PULL WIRE IN EACH EMPTY RACEWAY THAT IS LEFT FOR INSTALLATION OF CONDUCTORS OR CABLES UNDER OTHER DIVISIONS OR CONTRACTS. USE POLYPROPYLENE OR MONOFILAMENT PLASTIC LINE. LEAVE MIN. 24" SLACK AT EACH 16. MAKE ALL JOINTS & CONNECTIONS IN MANNER THAT WILL ENSURE MECHANICAL

STRENGTH & ELECTRICAL CONTINUITY.
7. EFFECTIVELY SEAL RACEWAYS, BY INSTALLING CONDUIT FITTING AT BOUNDARY OF TWO SPACES, & FILLING IT W/ AN APPROVED PLIABLE MATERIAL, AFTER CONDUCTORS OR CABLES HAVE BEEN INSTALLED & TESTED, WHENEVERVRACEWAYS PASS FROM NON-COOLED TO COOLED SPACES OR TRANSITION FROM OUTSIDE FACILITY OR ENCLOSURE TO INSIDE, WHETHER BURIED OR EXPOSED 26-I-BB. BUSHINGS & LOCKNUTS

1. RIGIDLY TERMINATE CONDUITS ENTERING SHEET METAL ENCLOSURES TO ENCLOSURE W/ BUSHING & LOCKNUT ON INSIDE & LOCKNUT OR AN APPROVED HUB ON OUTSIDE. CONDUIT SHALL ENTER ENCLOSURE SQUARELY.

. PROVIDE BUSHINGS & LOCKNUTS MADE OF GALVANIZED MALLEABLE IRON W

COMPRESSION CONNECTORS.
3. USE INSULATED, GROUNDING, OR COMBINATION, BUSHINGS WHEREVER CONNECTION

IS SUBJECT TO VIBRATION OR MOISTURE WHEN REQUIRED BY NFPA 70. OR BOTH

SHARP, CLEAN-CUT THREADS. WHERE EMT ENTERS BOX, PROVIDE APPROVED EMT

26-I-CC. OUTLET BOXES

1. ALL OUTLETS INCLUDING LIGHT FIXTURE, SWITCH, RECEPTACLE, & SIMILAR OUTLETS:
NATIONAL ELECTRICAL, APPLETON, STEEL CITY, RACO, OR APPROVED EQUAL,
GALVANIZED STEEL KNOCKOUT BOXES, SUITABLE IN DESIGN TO PURPOSE THEY
SERVE & SPACE THEY OCCUPY. SIZE AS REQUIRED FOR SPECIFIC FUNCTION OR
AS REQUIRED BY NEPA 70, WHICHEVER IS LARGER. SET ALL OUTLET BOXES IN
WALLS COLUMNS ELOOPS OF CHILINGS SO THEY ARE FLIED WAY ENVISIBLE. WALLS, COLUMNS, FLOORS, OR CEILINGS SO THEY ARE FLUSH W/ FINISHED SURFACE, ACCURATELY SET, & RIGIDLY SECURED IN POSITION. PROVIDE PLASTER RINGS, EXTENSION RINGS &/OR MASONRY RINGS AS REQ'D FOR FLUSH MOUNTING. PROVIDE APPROVED CAST OUTLET BOXES, W/ HUBS & WEATHERPROOF COVERS, IN ALL AREAS SUBJECT TO DAMP, WET, OR HARSH CONDITIONS

ON SMALL SCALE DRAWINGS. USE GREAT CARE IN ACTUAL LOCATION BY CONSULTING VARIOUS LARGE SCALE DETAILED DRAWINGS USED BY OTHER DIVISION TRADES, & BY SECURING DEFINITE LOCATIONS FROM ARCHITECT

SUPPLEMENT GROUNDED NEUTRAL OF SECONDARY DISTRIBUTION SYSTEM W/
EQUIPMENT GROUNDING SYSTEM, INSTALLED SO THAT METALLIC STRUCTURES,
ENCLOSURES, RACEWAYS, JUNCTION BOXES, OUTLET BOXES, CABINETS, MACHINE
FRAMES, PORTABLE EQUIPMENT & OTHER CONDUCTIVE ITEMS OPERATE
CONTINUOUSLY AT GROUND POTENTIAL & PROVIDE LOW IMPEDANCE PATH FOR
GROUND FAULT CURRENTS. SYSTEM SHALL COMPLY W/ NATIONAL ELECTRICAL CODE, DRAWINGS & AS PROVIDE EQUIPMENT CROUND BUS IN BASE OF LOW VOLTAGE, SWITCHGEAR BRAZED KOUS. PROVIDE IN CONDUIT GREEN INSULATED COPPER GROUND CONDUCTOR TO MAIN METALLIC WATER SERVICE ENTRANCE & CONNECT BY MEANS OF ADEQUATE GROUND CLAMPS.

EQUIPMENT GROUNDING CONDUCTORS FOR BRANCH CIRCUIT HOME RUNS SHOWN ON DRAWINGS SHALL INDICATE AN INDIVIDUAL & SEPARATE GROUND CONDUCTOR FOR THAT BRANCH CIRCUIT WHICH SHALL BE TERMINATED AT BRANCH CIRCUIT PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT. PROVIDE LOW VOLTAGE DISTRIBUTION SYSTEM W/ SEPARATE GREEN INSULATE EQUIPMENT GROUNDING CONDUCTOR FOR EACH SINGLE OR THREE—PHASE FEEDER SINGLE PHASE 120 VOLT BRANCH CIRCUITS FOR LIGHTING & POWER SHAL CONSIST OF PHASE & NEUTRAL CONDUCTORS & GREEN GROUND CONDUCTOR INSTALLED IN COMMON CONDUIT WHICH SHALL SERVE AS GROUNDING CONDUCTOR. GROUNDING CONDUCTORS SHALL BE AS SHOWN ON PLANS OR IF NOT SPECIFICALLY SHOWN SHALL BE NO SMALLER THAN THAT REQUIRED BY NEC.

5<u>-i-fe. electrical equipment</u> Junction Boxes & Outlet Boxes shall be galvanized knockout type JUNICITION BUXES & CUITET BUXES SHALL BE GALVANIZED KNOUKOUT TIPE.
LICHTING FIXTURE BOXES IN CELLINGS SHALL NOT BE LESS THAN 4" OCTRACHIAL
KNOCKOUT TYPE. OUTLETS SHALL BE INSTALLED IN LOCATIONS SHOWN ON
DRAWINGS EXCEPT OUTLETS MAY BE MOVED 4 FEET IN ETHER DIRECTION IF SO
DIRECTED, WITHOUT ADDITIONAL COST. BOXES SHALL BE FLUSH MOUNTED ON
WALLS FOR CONCEALED WORK. GANGABLE BOXES SHALL BE USED IN ALL GYPBOARD SURFACES. PANELBOARDS

BRANCH CIRCUIT 208/240V PANELS SHALL BE CAPACITY SHOWN W/ TIN PLATED COPPER BUSSING & BRACED FOR MINIMUM OF 10,000A AIC OR AS OTHERWISE NOTED OR REQUIRED (SERIES RATED ACCEPTABLE). BOLT ON CIRCUIT BREAKERS. 480V PANELS SAME EXCEPT 14,000A AIC MIN. MINIMUM 20" WIDE W/ GALV STEEL ENCLOSURE W/ HINGED DOOR & KEYED LOCK. COORD TRIM W/ MOUNTING LOCATION. PANELS TO BE RECESSED WHENEVER POSSIBLE. TYPEWRITTEN CARD DIRECTORY.
DISTRIBUTION PANELS SHALL BE CAPACITY SHOWN & SHALL BE SQUARE D I-LINE W/ TIN PLASTED COPPER BUSSING. 65KAIC MIN OR AS OTHERWISE NOTED/REQ'D. BOLT ON CIRCUIT BREAKERS (SERIES RATED ACCEPTABLE).
GALV STEEL ENCLOSURE. CB'S LABELED W/ PLASTIC PRINTED LABELS TO 2.3. EQUIVALENT BY SQUARE D, SIEMENS, CUTLER HAMMER, OR GE.

DISCONNECT (SAFETY) SWITCHES: SQUARE D, SIEMENS, CUTLER HAMMER, O GENERAL ELECTRIC FUSED OR NON-FUSED (AS INDICATED ON DRAWINGS O REQUIRED) NEMA KS1, HEAVY DUTY, EXTERNALLY OPERATED, VISIBLE-BLADE SAFETY SWITCHES; NEMA ENCLOSURE TYPE INDICATED ON DRAWINGS OF SUITABLE FOR ENVIRONMENT IN WHICH INSTALLED. BASED ON FUSIBLE SMITCH & FUSE SIZES INDICATED, INCLUDE CLASS R, J, OR L FUSE PROVISIONS AS WHERE INDICATED, PROVIDE FUSIBLE SWITCHES PERMANENTLY LABELED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT, W/ INTEGRAL & SEPARATE NEUTRAL & GROUND ASSEMBLIES, SUITABLE FOR SIZES OF CONDUCTORS INDICATED. DO NOT DOUBLE-LUG ANY TERMINATIONS NOT SPECIFICALLY LISTED AS SUITABLE FOR MORE THAN ONE CONDUCTOR

PROVIDE SWITCHES WHERE NOT FURNISHED W/ STARTING EQUIPMENT, AT ALL OTHER POINTS REQUIRED BY NFPA 70, & WHERE INDICATED ON DRAWINGS.

. DISCONNECT (SAFETY) SWITCHES

26—I<del>-GG. ELECTRICAL IDENTIFICATION</del> 1. MANUFACTURED LABELS FOR EACH PANELBOARD & TRANSFORMER. TYPEWRITTEN PANEL SCHEDULES MOUNTED IN PANELS P. PRINTED TAPE STYLE LABEL FOR EACH RECEPTACLE INDICATING PANEL & CIRCUIT MANUFACTURED LABELS FOR ALL DISCONNECT SWITCHES INDICATING EQUIPMENT BRANCH CIRCUITS - IDENTIFY FACH CIRCUIT W/ WIRE MARKERS WHEN FNCLOSUR LABEL & WIRE COLORS DO NOT PROVIDE ENOUGH INFORMATION TO IDENTIFY EACH CIRCUIT WITHOUT TRACING. FEEDERS & BRANCH CIRCUIT HOME RUNS W/ WIRE MARKER W/ PANEL & CKT #. BOX COVERS ABOVE LAY-IN CEILINGS NEATLY MARKED W/ INDELIBLE MARKER. 5. FIRE ALARM — NAMEPLATE ON EACH FIRE ALARM TERMINAL CABINET. LABEL ALL

26-I-HH. WIRING DEVICES CONVENIENCE OUTLETS - SPEC GRADE 20 AMP DUPLEX W/ GROUND & SS WAL PLATES. OTHER OUTLETS SHALL BE VERIFIED W/ EQUIPMENT SUPPLIERS FOR PROPER NEMA CONFIGURATIONS. PROVIDE GFIC RATED DEVICES WHERE INDICATED & AS REQ'D PER CODE. COLOR OF DEVICES AS DIRECTED BY ARCHITECT. LIGHT SWITCHES - SPEC GRADE 20 AMP TOGGLE SWITCHES W/ SS WALL PLATES
 WALL MOTION SWITCHES - SPEC GRADE, PIR, OVERRIDE. . CEILING MOTION SWITCHES - SPEC GRADE, DUAL TECHNOLOGY, MODEL AS REQ'L BY ROOM CONFIGURATION, ALL NECESSARY POWER PACKS & RELAYS. WALL MOTION SWITCHES (BATHROOM) - DUAL RELAY, SPEC GRADE, PIR, 2ND RELAY FOR OPERATION OF EXHAUST FAN DELAY. EQUIVALENT DEVICES BY LEVITON, BRYANT, HUBBEL, WATTSTOPPER, LITHONIA, SENSOR SWITCH.

7. WEATHERPROOF COVER PLATES — PROVIDE GFCI RECEPTACLES FOR WEATHERPROOI RECEPTACLES. FOR WET LOCATIONS: IN-USE NEMA 3R, UL-LABELED PLATES MOLDED FROM CLEAR HIGH IMPACT UV STABILIZED POLYCARBONATE FOR VERIFICATION CORDS ARE PLUGGED IN & GFC! IS FUNCTIONING.

8. FOR DAMP LOCATIONS: WEATHERPROOF COVER PLATES, UL-LISTED FOR WET LOCATIONS W/ COVER(S) CLOSED; DIE—CAST ALUMINUM OR TYPE 302 SS, SINGLE—COVER FOR SWITCHES & VERTICALLY MOUNTED RECEPTACLES; DOUBLE—COVER FOR HORIZONTALLY MOUNTED RECEPTACLES; SELF—CLOSING COVERS. 9. ALL OUTLETS, SHALL BE MOUNTED W/ BOTTOM AT 18" AFF & SWITCHES W/ BOTTOM AT 44" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE ON PLANS. REFER TO ARCH FOR OTHER REQUIRED ELEVATIONS & CABINETRY COORDINATION.

26—I—II. DIGITAL LIGHTING CONTROLS

1. PROVIDE DLIM SYSTEMS CONSISTING OF LIGHTING CONTROL PANELS, ROOM CONTROLLERS, MOTION SENSORS, DAYLIGHT SENSORS, & OTHER CONTROLS AS NECESSARY TO ACHIEVE LIGHTING SWITCHING & DEIMMING CONTROL INDICATED ON THE DRAWINGS. PROVIDE ALL INTERCONNECTING WIRING, CONTROLS, PROGRAMMING & OWNER TRAINING FOR THE SYSTEM(S). PROVIDE SYSTEMS BY: COOPER, HUBBELL, LEVITON, PHILLIPS, SENSOR SWITCH, WATT STOPPER.

2. CALIBRATE ALL SENSOR TIME DELAYS & SENSITIVITY FOR PROPER DETECTION OF OCCUPAINTS & ENERGY SAVINGS. ADJUST TIME DELAYS. PROVIDE DOCUMENTATION OF ROOM BY ROOM SYSTEM CONFIGURATION INCLUDING: SENSOR PARAMETERS, TIME DELAYS, SENSITIVITIES, & DAYLIGHTING SETPOINTS, SEQUENCE OF OPERATION, LOAD PARAMETERS. LOAD PARAMETERS. 3. POST START—UP TUNING — 30 DAYS AFTER OCCUPANCY CONTRACTOR SHALL ADJUST SENSORS TO MEET THE OWNER'S REQUIREMENTS. PROVIDE A DETAILED REPORT TO THE ARCHITECT / OWNER OF POST START-UP ACTIVITY.

1.1. PROVIDE LIGHTING FIXTURES W/ LAMPS & ACCESSORIES REQ'D FOR HANGING. COORD MOUNTING OF LIGHTING FIXTURES W/ ARCHITECT & G/C. ADDITIONAL FIXTURE SUPPORTS SHALL BE PROVIDED BY E/C. SUPPORTS SHALL COMPLY W/ LATEST EDITION OF NEC. PROVIDE LIGHTING FIXTURE SECURING CLIPS AS REQUIRED. CONSULT ARCH PLANS FOR CEILING TYPES & PROVIDE SURFACE & RECESSED LIGHTING FIXTURES W/ APPROPRIATE MOUNTING COMPONENTS & POLES & SUPPORT COMPONENTS: COMPLY W/ AASHTO LTS-4. PROVIDE STEEL POLES IN COLOR AS SPECIFIED OR SEELECTED BY ARCHITECT. PROVIDE BOLT COVERS. PROVIDE CONCRETE BASE FOR POLE & GROUND ROD. REFER TO LIGHTING FIXTURE SCHEDULE PLANS FOR FIXTURE TYPES.

EQUIVALENT LUMINAIRES BY HUBBELL, INFINITY, LITHONIA, WILLIAMS, COLUMBIA, EXTIRONICS, LITEALARM, EXIDE.

LAMPS SHALL BE TYPE RECOMMENDED BY FIXTURE MANUF. LAMP NONE

ABOVE MANUF RECOMMENDED MAX WATTAGE.

2.2. T—8 FLUOR — 32W, 75CRI MIN, 3500 DEG K, 2900 APPROX INITIAL LUMENS

2.3. EQUIVALENT LAMPS BY G.E., VENTURE, PHILLIPS OR SYLVANIA.

2.4. LED LAMPS & MODULES: PHILIPS, GENERAL ELECTRIC, OSRAM/SYLVANIA, CREE, BALLASIS J.1. FLUORESCENT — ELECTRONIC, <20%THD J.2. EQUIVALENT BY ADVANCE, G.E., MOTOROLA, OR MAGNETEK.

26-I-IL. WIRING OF MECHANICAL EQUIPMENT

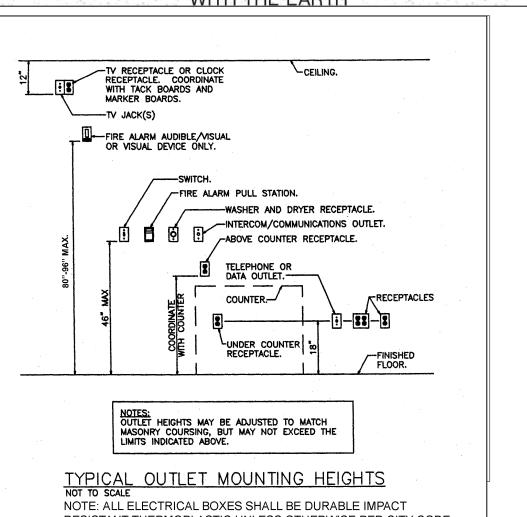
1. PROVIDE ALL RACEWAYS & POWER WIRING FOR ALL DIVISION 15 EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS, INCLUDING, BUT NOT LIMITED TO, PUMPS, WATER HEATERS, & HVAC EQUIPMENT, & ALL L1NEVOLTAGE CONTROL & INTERLOCK WIRING NOT PROVIDED UNDER DIVISION 15. CONNECT PER MANUFACTURERS' WIRING DIAGRAMS. COORDINATE WITH DIVISION 15 FOR DISCONNECTS FURNISHED W/EQUIPMENT, & PROVIDE ALL DISCONNECT SWITCHES AS REQUIRED. AFTER INSTALLING WIRING, VERIFY THAT EACH MOTOR LOAD HAS CORRECT PHASE 2. VERIFY ACTUAL "MAXIMUM OVERCURRENT PROTECTION" (MOCP) DEVICE RATINGS & "MINIMUM CIRCUIT AMPACITY" (MCA) CONDUCTOR SIZING FOI~ MECHANICAL EQUIPMENT FROM EQUIPMENT NAMEPLATE. BASE ELECTRICAL INSTALLATIONS ON ACTUAL REQUIRED AMPERAGES, WHICH MAY VARY SOMEWHAT FROM CONDUCTOR & EQUIPMENT SIZES SHOWN ON DRAWINGS: HOWEVER, IN NO CASE, REDUCE SIZE O CONDUCTORS INDICATED ON DRAWINGS WITHOUT AUTHORIZATION FROM ENGINEER
PROVIDE PROPERLY SIZED ELECTRICAL WIRING & EQUIPMENT WITHOUT EXTRA COST TO OWNER. NOTIFY ENGINEER OF ALL CHANGES REQUIRED IN ELECTRICAL INSTALLATION DUE TO EQUIPMENT VARIANCES SO THAT EFFECTS ON FEEDERS, BRANCH CIRCUITS, PANELBOARDS, FUSES & CIRCUIT BREAKERS CAN BE CHECKED PRIOR TO PURCHASING & INSTALLATION. BE RESPONSIBLE FOR COORDINATING W, DIVISION 15 TO VERIFY ACTUAL AMPACITIES & CORRECT SIZES OF ALL CONDUCTORS & OVERCURRENT PROTECTIVE DEVICES FOR ALL FOUIPMENT. CORRECT OVERLOAD HEATERS FOR ALL MOTORS, WHEN STARTERS ARE PROVIDED

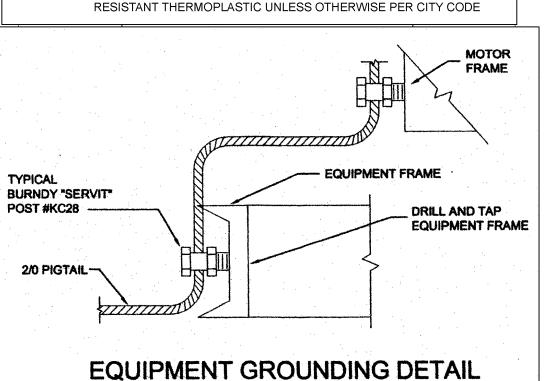
26-I-LL. TELEPHONE SYSTEM PROVISIONS
1. PROVIDE INCOMING TELEPHONE SERVICE RACEWAYS AS INDICATED ON DRAWINGS OF AS REQUIRED BY SERVING TELEPHONE COMPANY, PROVIDE 3/4—INCH THICK PLYWOOD BOARD, FIRE—RETARDANT— TREATED & STAMPED FRT, SECURELY ANCHORED TO WALL, AT LOCATION & OF SIZE AS INDICATED ON DRAWINGS. PROVIDE FLUSH MOUNTED TELEPHONE OUTLET BOXES W/ 3/4-INCH EMT STUB-UP CONCEALED TO ACCESSIBLE CEILING SPACE AT LOCATIONS AS INDICATED ON DRAWINGS.

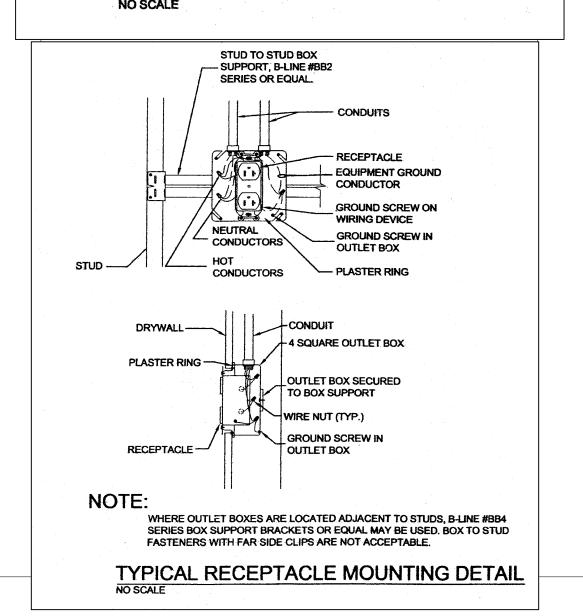
26-I-MM. DATA SYSTEM PROVISIONS

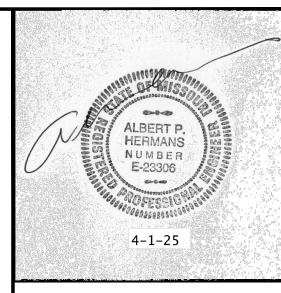
1. PROVIDE FLUSH MOUNTED DATA OUTLET BOXES W/ 3/4-INCH CONDUIT STUB-UP CONCEALED TO ACCESSIBLE CEILING SPACE AT LOCATIONS AS INDICATED ON DRAWINGS.

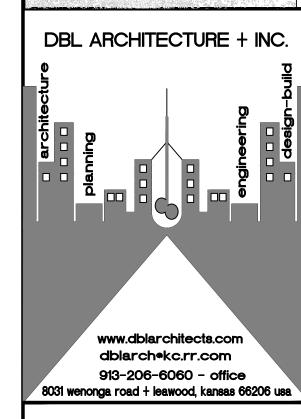
GROUNDING ELECTRODE CONDUCTOR **4 AWG OR LARGER** BARE COPPER CONDUCTOR NON-METALLIC OR STEEL REINFORCING BAR PROTECTIVE SLEEVE OR ROD NOT LESS THAN 1/2-IN. IN DIAMETER. AT LEAST 20-FT LONG CONNECTION LISTED FOR THE PURPOSE 20 FT. OR MORE FOUNDATION IN DIRECT CONTACT MIN WITH THE EARTH











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breech of contract. Any claims arising

GOOD CENTS A NEW SANDWICH RESTAURANT 869 SW Lemans Ln, Lee's Summit, MO 64082

### PROJECT LOG:

CONTRACT INITIATION March 19, 2025

AS-BUILT MEASURING/COMPLETION 3/20/25 OWNER'S DESIGN REVIEW

PLANNING PRE-APP REVIEW

PLANNING SPECIAL USE SUBMITTAL

OWNER'S CD REVIEW

PLANS AVAILABLE FOR PERMIT SUBMIT 4/1/25

PLANS PERMIT RESUBMIT

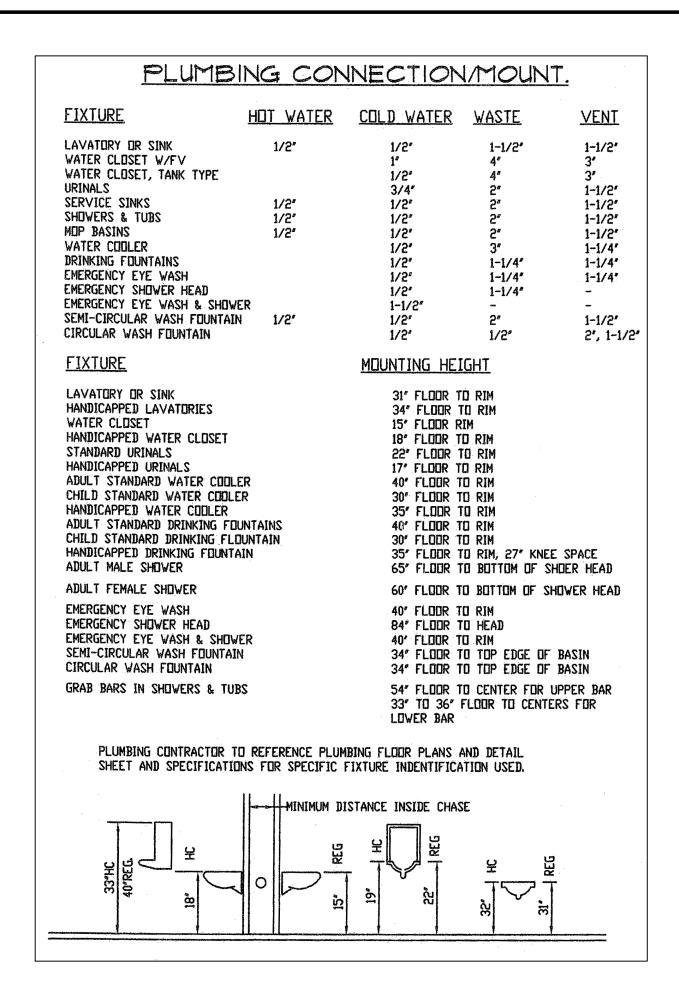
**REVISIONS:** REVISED PER CITY **∕ 1 ∖ ?/?/2**5

REVISED PER CITY **∕2** \ ?/?/25

|SHEET TITLE: ELECTRICAL SPECIFICATIONS + DETAILS

**ISHEET NO.:** 

PROJECT NUMBER



#### PLUMBING PLAN NOTES:

NOTE: NOT ALL NOTES MAY APPLY

- (1) CONNECT 1/2° C. + H. PIPING WITH SHUT-OFFS TO HAND SINK AS
- 2 CONNECT 1/2" C. + H. PIPING WITH SHUT-OFFS TO TRIPLE BOWL SINK.
- 3 CONNECT GREASE INTERCEPTOR TO 3 BOWL SINK, MOP SINK + F.D. AS REQ'D.
- 4 CONNECT HAND SINK VENT TO NEW/EXIST'G SAN. SEWER VENT LINE (MIN. 2' DIA.) AS REO'D.
- 5 CONNECT HAND SINK DRAIN TO EXIST'G SAN. SEWER LINE (MIN. 2'
- DIA.) AS REO'D.
- CONNECT 3 BOWL SINK DRAIN TO NEW/EXIST'G SAN. SEWER LINE (MIN. 2' DIA.) AS REQ'D.
- CONNECT MOP SINK DRAIN TO NEW/EXIST'G SAN. SEWER LINE (MIN. 2'
- DIA.) AS REQ'D.
  CONNECT FLOOR DRAIN TO NEW/EXIST'G SAN. SEWER LINE (MIN. 2"
- DIA.) AS REQ'D.
- 9 CONNECT PIPING TO WATER HEATER AS REQ'D. AND AS PER DETAIL ON P2
- 10 CONNECT GAS PIPING TO EQUIPMENT AS REQ'D. AND AS PER

AS AVAILABLE. RE: AC2 FOR SITE UTILITIES

- DETAIL.

  11 4' WASTE. MINIMUM OF 30' COVER. CONNECT TO EXIST'G SERVICE
- 3/4" CW UP TO RPZ BFP AND SHUT-OFF VALVE FOR WATER SERVICE
  AS APPROVED BY WATER DEPT. PROVIDE DRAIN FROM RPZ TO
  FLOOR DRAIN WITH AIR GAP AS REQ'D.
- (13) ROUTE 3/4" DRAIN FROM FU'S, TO FLOOR DRAIN
- (14) 3' VTR VERIFY 10'-0' CLEARANCE FROM ALL OUTDOOR AIR INTAKES.
- (15) CONNECT 1/2" C. + H. PIPING WITH SHUT-OFFS TO MOP SINK.
- CONNECT LAV SINK DRAIN TO NEW/EXIST'G SAN. SEWER LINE (MIN. 2' DIA.) AS REQ'D.
- CONNECT WC DRAIN TO NEW/EXIST'G SAN. SEWER LINE (MIN. 3" DIA.)
  AS REQ'D.
- (18) CONNECT 1/2' C. + H. PIPING WITH SHUT-OFFS TO LAV SINK AS REQ'D.
- (9) CONNECT 1/2" C. PIPING WITH SHUT-OFF TO WC AS REQ'D.
- CONNECT SALES BEVERAGE DRAIN TO NEW/EXIST'G SAN. SEWER LINE (MIN. 2" DIA.) AS REQ'D.
- 21 CONNECT 1" CONDESATE DRAIN PIPING AS REQ'D. TO FLOOR DRAIN
- EXIST'G TOILET RM. PLUMBING TO REMAIN. CONNECT NEW TOILET RM. TO EXIST'G PLUMBING
- (23) CONNECT 3/8" C. + 11/2" D. PIPING TO DRINKING FOUNTAINS.
- CONNECT TWO BOWL SINK VENT TO NEW/EXIST'G SAN. SEWER VENT LINE (MIN. 2') AS REQ'D.
- CONNECT TWO BOWL SINK DRAIN TO NEW/EXIST'G SAN. SEWER LINE (MIN. 2') AS REO'D.
- CONNECT 1/2" C. + H. PIPING WITH SHUT-OFFS TO TWO BOWL SINK AS REQ'D.

  CONNECT THREE BOWL SINK VENT TO NEW/EXIST'G SAN. SEWER
- CONNECT THREE BOWL SINK VENT TO NEW/EXIST'G SAN. SEWER VENT LINE (MIN. 2') AS REQ'D.
- CONNECT THREE BOWL SINK DRAIN TO NEW/EXIST'G SAN. SEWER LINE (MIN. 2") AS REQ'D.

  CONNECT 3/4" C. PIPING WITH SHUT-OFF TO PROOFER AS REQ'D.

#### PLUMBING FIXTURE CONNECTIONS

Size as shown on the drawings and diagrams, but not less than the following.

the for	iowing.				
	<u>FIXTURE</u>	<u>WASTE</u>	<u>VENT</u>	COLD	<u>HOT</u>
1)	Water Closet (Flush Tank)	4"	2"	1/2"	
2)	Lavatory	1-1/2"	1-1/2"	1/2"	1/2'
3)	Floor Drain	2"	1-1/2'		
4)	Sink	2"	1-1/2"	1/2"	1/2'
5)	Hose Bib			3/4"	
6)	Wash Sink	1 1/2"	1 1/2"	1/2"	1/2"
7)	Service Sink	2"	1-1/2"	1/2"	1/2'
8)	Beverage Dispensor	1 1/2"	1-1/2"	1/2"	1/2'

#### GENERAL PLUMBING PLAN NOTES:

- 1. INSTALL ALL PIPE, ETC. AS HIGH AS POSSIBLE.
- 2. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACES
- AVAILABLE, AND WITHOUT INTERFERENCES.

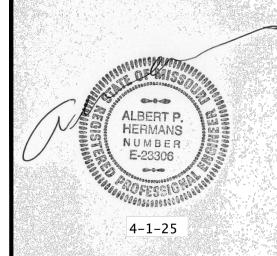
  3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS
  AND MOUNTING HEIGHTS OF FIXTURES.
- 4. REFER TO ARCHITECTURAL + STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR SUPPORTING PIPING, EQUIPMENT, ETC. FROM STRUCTURE. PROVIDE ADDITIONAL STRUCTURE AS REQUIRED TO PROPERLY SUPPORT SYSTEMS FROM THE STRUCTURE.
- 5. SAWCUT EXISTING FLOOR AS REQUIRED (IF NECESSARY) FOR INSTALLATION OF UNDERFLOOR PIPING. PATCH FLOOR TO
- MATCH EXISTING.
  6. PROVIDE 1" SCHEDULE 40 PVC CONDENSATE DRAIN PIPE FOR EACH FURNACE UNIT LAID TO NEAREST FLOOR DRAIN. PROVIDE
- WATER TRAP AND CLEAN OUTS AS DETAILED. SECURE PVC PIPE TO DRAIN WITH NYLON STRAPS.

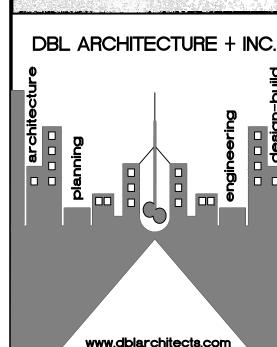
  7. NO PIPING SHALL BE ROUTED OVER THE TOP OF ELECTRICAL

PROJECT

N

8. ALL MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.





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#### PROJECT:

GOOD CENTS A NEW SANDWICH RESTAURANT 869 SW Lemans Ln, Lee's Summit, MO 64082

#### PROJECT LOG:

CONTRACT INITIATION
March 19, 2025

AS-BUILT MEASURING/COMPLETION 3/20/25

OWNER'S DESIGN REVIEW ?/?/25

PLANNING PRE-APP REVIEW
2/2/25
PLANNING SPECIAL USE SUBMITTAL

?/?/25

OWNER'S CD REVIEW
?/?/25
PLANS AVAILABLE FOR PERMIT SUBMIT
4/1/25

PLANS PERMIT RESUBMIT ?/?/25

### REVISIONS:

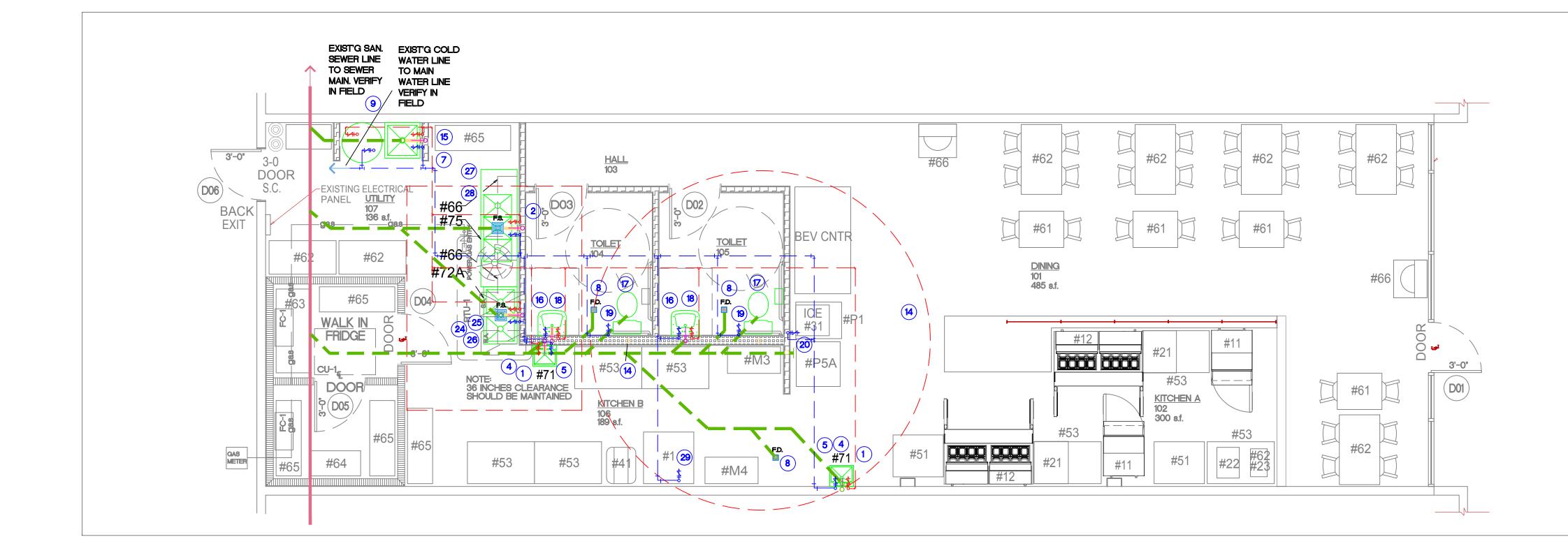
REVISED PER CITY ?/?/25
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SHEET TITLE: PLUMBING

PLUMBING FLOOR PLAN

SHEET NO:

PROJECT NUMBER :



#### PLUMBING CONNECTION/MOUNT.

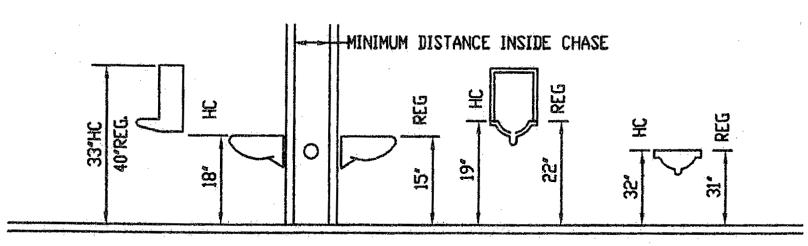
FIXTURE	HDT WATER	COLD WATER	WASTE	VENT
LAVATORY OR SINK WATER CLOSET W/FV WATER CLOSET, TANK TYPE URINALS	1/2"	1/2" 1" 1/2" 3/4"	1-1/2" 4" 4" 2"	1-1/2* 3* 3* 1-1/2*
SERVICE SINKS SHOVERS & TUBS MOP BASINS VATER COOLER DRINKING FOUNTAINS	1/2" 1/2" 1/2"	1/2" 1/2" 1/2' 1/2'	2" 2" 2"	1-1/2" 1-1/2" 1-1/2" 1-1/4"
EMERGENCY EYE WASH EMERGENCY SHOWER HEAD EMERGENCY EYE WASH & SHOW SEMI-CIRCULAR WASH FOUNTAIN		1/2" 1/2" 1/2" 1-1/2" 1/2"	1-1/4" 1-1/4" 1-1/4" - 2"	1-1/4" 1-1/4" - - 1-1/2"
CIRCULAR WASH FOUNTAIN	M 1/6	1/2"	1/2"	2", 1-1/2"

#### <u>FIXTURE</u> MOUNTING HEIGHT

LAVATORY OR SINK HANDICAPPED LAVATORIES WATER CLOSET	31" FLOOR TO RIM 34" FLOOR TO RIM
HANDICAPPED WATER CLUSET STANDARD URINALS	18" FLOOR TO RIM 22" FLOOR TO RIM
HANDICAPPED URINALS ADULT STANDARD WATER COOLER	17' FLOOR TO RIM 40' FLOOR TO RIM
HANDICAPPED WATER COOLER ADULT STANDARD DRINKING FOUNTAINS	30" FLOOR TO RIM 35" FLOOR TO RIM 40" FLOOR TO RIM
CHILD STANDARD DRINKING FLOUNTAIN HANDICAPPED DRINKING FOUNTAIN ADULT MALE SHOWER	31" FLOOR TO RIM 34" FLOOR TO RIM 15" FLOOR RIM 18" FLOOR TO RIM 22" FLOOR TO RIM 17" FLOOR TO RIM 40" FLOOR TO RIM 30" FLOOR TO RIM 35" FLOOR TO RIM
ADULT FEMALE SHOVER	60" FLOOR TO BOTTOM OF SHOVER HE
EMERGENCY EYE WASH EMERGENCY SHOWER HEAD EMERGENCY EYE WASH & SHOWER SEMI-CIRCULAR WASH FOUNTAIN CIRCULAR WASH FOUNTAIN	40" FLOOR TO RIM 84" FLOOR TO HEAD 40" FLOOR TO RIM 34" FLOOR TO TOP EDGE OF BASIN 34" FLOOR TO TOP EDGE OF BASIN
GRAB BARS IN SHOWERS & TUBS	54" FLOOR TO CENTER FOR UPPER BAR 33" TO 36" FLOOR TO CENTERS FOR

PLUMBING CONTRACTOR TO REFERENCE PLUMBING FLOOR PLANS AND DETAIL SHEET AND SPECIFICATIONS FOR SPECIFIC FIXTURE INDENTIFICATION USED.

LOWER BAR



SCHEDULE C SERVICE	MATERIAL MATERIAL	JOINTS	FITTINGS	ONOTES
CONDENSATE DRAINS	COPPER "M" HARD	SOLDERED OD BRAZED	WROUGHT COPPER OR CAST BRONZE	(1)
/ENTS AND WASTE LINES ABOVE GROUND)	PVC SCHED 40 ASTM-D 2846	PVC SCHED 40 ASTM-D 2846	PVC ASTM-D 2846	1
SOIL LINES CELL CLASS 12454B BELOW GROUND) - UNDER SLAB	PVC SCHED 40	PVC SCHED 40 ASTM-D-3212	PVC ASTM-D 1785 SOLVENT WELDED NOT ALLOWED	2
REFRIGERANT AND DOMESTIC WATER PIPE - (BELOW GROUND) SMALLER THAN 3"	COPPER "K" SOFT DRAWN	SOLDERED OR BRAZED	WROUGHT COPPER OR CAST BRONZE	67
DOMESTIC WATER 3" AND LARGER	DUCTILE IRON ANSI/ASTM A746/747 CLASS 50 OR 51	MECHANICAL	ASTM-A 377 CSA B70	
DOMESTIC WATER PIPE (ABOVE GROUND)	COPPER "L" HARD ASTM C-200	SOLDERED OR BRAZED	WROUGHT COPPER OR CAST BRONZE	7
SEWER LINE PIPING BELOW GROUND) NOT UNDER SLAB	VCP EXTRA STRENGTH ASTM C-700	COMPRESSION TYPE ASTM C-425 SYNTHETIC RUBBER SEALS	ASTM C-700	12
NATURAL GAS PIPE BELOW GROUND)	SCHEDULE 40, BLACK STEEL-X-TRUE COATED ABD WRAPPED	CAST IRON	CAST IRON MALLEABLE IRON	34
NATURAL GAS PIPE (ABOVE GROUND)	SCHEDULE 40 BLACK STEEL	SCREWED	CAST IRON MALLEABLE IRON	3 5
FIRE PROTECTION (ABOVE GROUND) NOTES	SCHEDULE 40 BLACK STEEL	BLACK STEEL	BLACK MALLEABLE IRON	8

- 1 PVC OR ABS SCHEDULE 40. SOLVENT WELDED JOINTS MAY BE USED. CONDITIONS QF NOTE BELOW. SCR-35 SANITARY PIPE WHEN APPROVED.
- 2 NO PVC OR ABS TO BE USED IN TYPE II CONSTRUCTION, THROUGH OR IN RETURN AIR PLENUMS, IN CITIES WHERE SUCH MATERIAL IS NOT ACCEPTABLE; OR BELOW BUILDING SLAB OR DRIVEWAY SURFACES.

- (5) CONNECT ALL GAS TO EQUIPMENT THROUGH GAS COCK, UNION AND DIRT LEG.

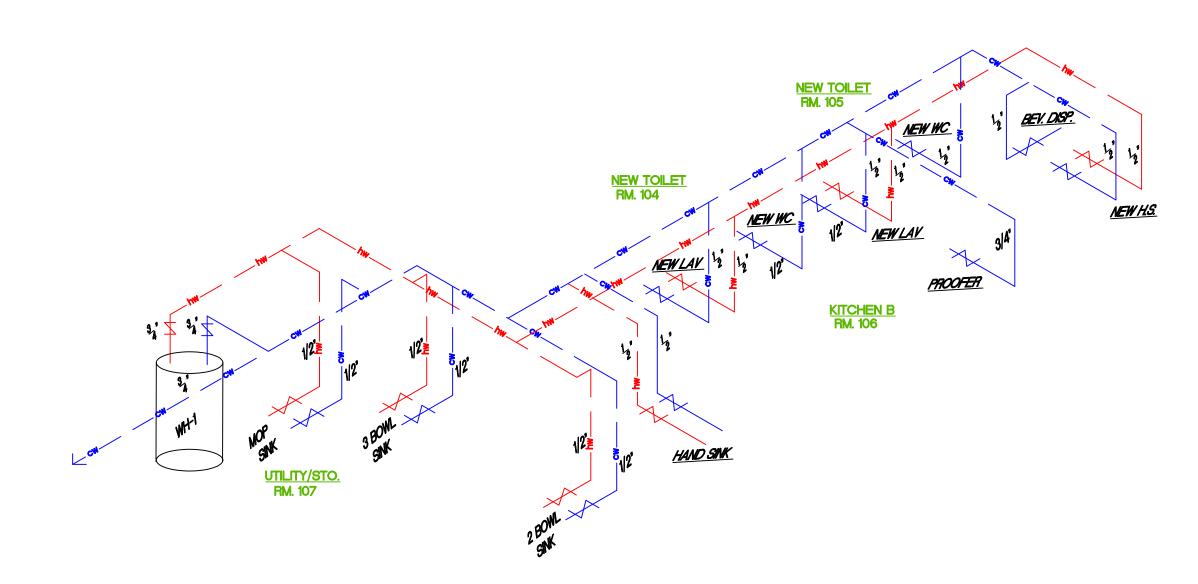
### PIPING INSULATION SCHEDULE PIPE SYSTEM INSULATION HICKNESSEMP.

REFRIGERANT SUCTION

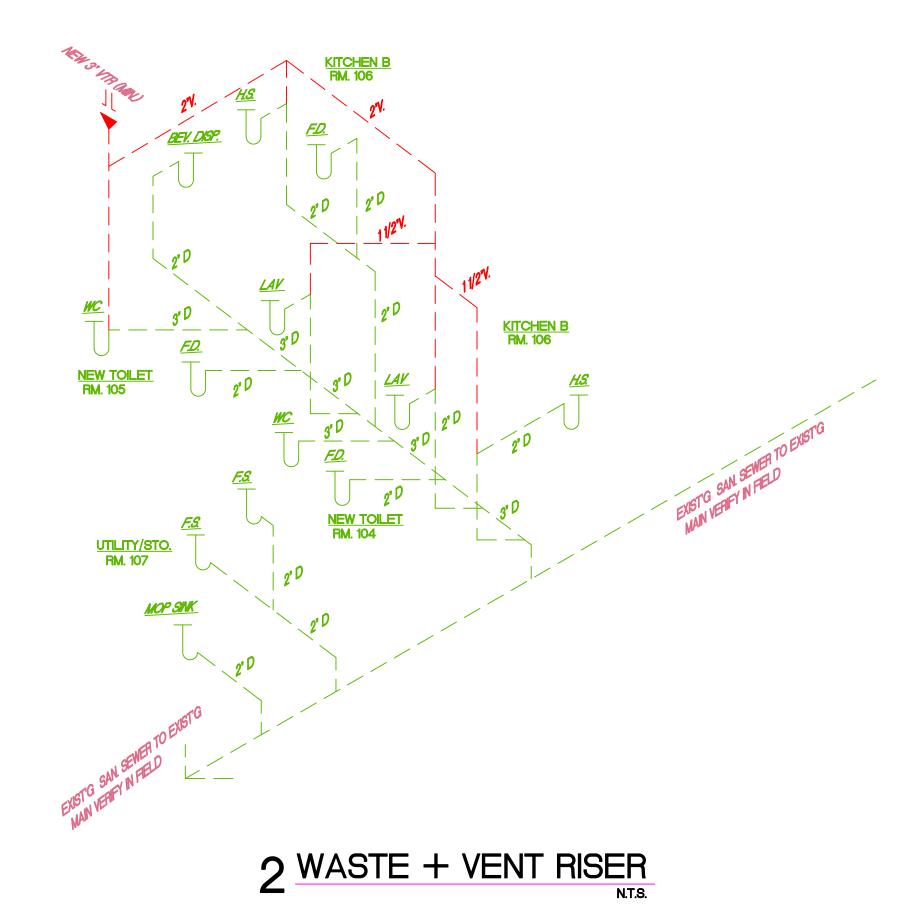
NOTE: ALL HORIZONTAL HOT & COLD WATER MAINS ARE TO BE INSULATED. VERTICAL MAINS AS NOTED OR SHOWN ON PLANS.

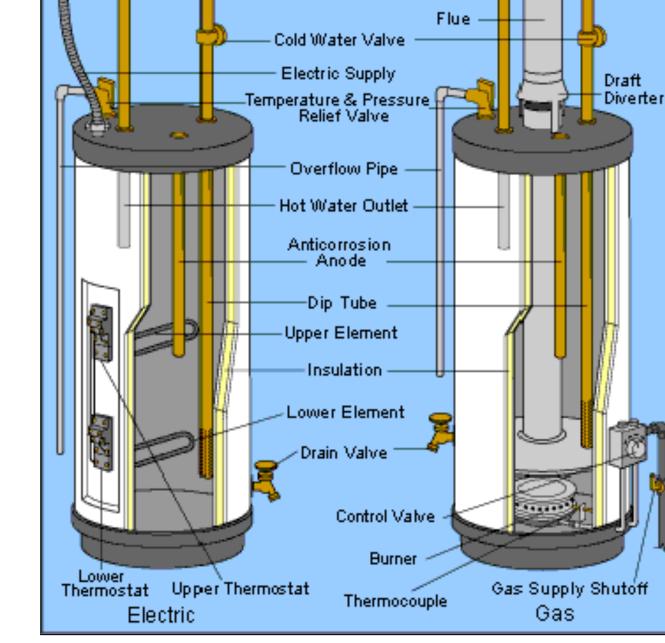
INSULATE INCONDITIONED AND UNCONDITIONAL SPACES.

\* WASTE & VENT PIPING WITHIN 6 LINEAR FEET OR ROOF DRAIN OR PIPING SHALL BE INSULATED AS PER FOLLOWING ROOF DRAIN INSULATION: FIBERGLASS PIPE INSULATION - (UP TO 10" SIZES) PREFORMED FIBERGLASS UL LISTED, 0.30 BTU-IN/H-SF THERMAL CONDUCTIVITY AT 150°F, WITH ALL SERVICE JACKET, DOUBLE SELF SEALING LAP WITH 0.02 PERM./IN. OWENS CORNING ASJ-SSL-11. \*\* FLEXIBLE UNICELLULAR (UP THRU 2") UNICELLULAR ELASTOMERIC CLOSED CELL INSULATION, 0.27 BTU-IN/H-SF THERMAI CONDUCTANCE AT 75°F, 3% MAXIMUM WATER ABSORBTION BY WEIGHT. ARMSTRONG AP ARMAFLEX OR RUBATEX.

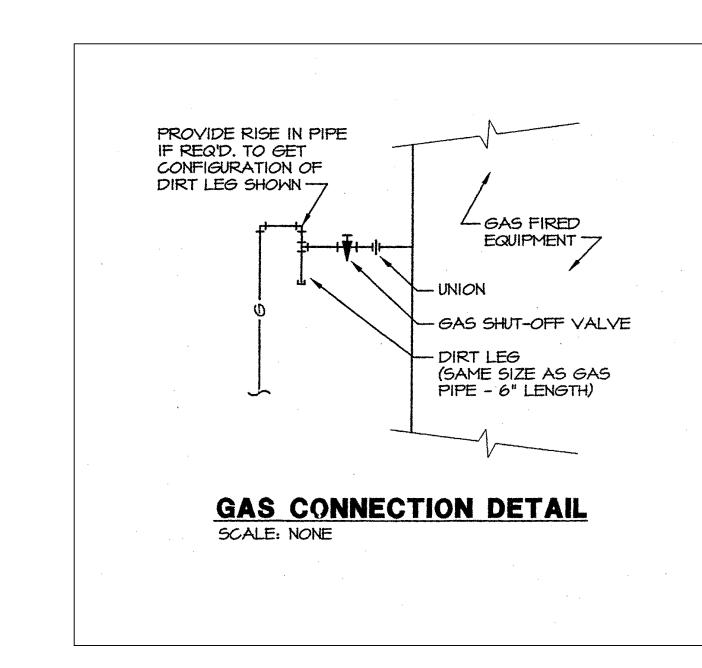


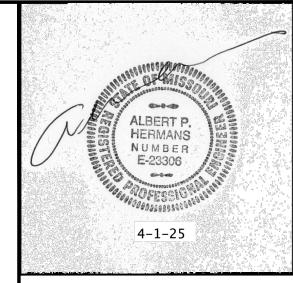
### HOT + COLD WATER RISER

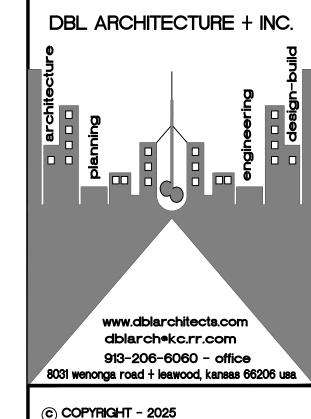




NOTE: PROVIDE EXPANSION TANKS FOR WATER HEATER AS REO'D.







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Construction from these drawings shall only commence upon receipt of a full permit as issued by the appropriate government body. Any construction without the total permit shall constitute a breech of contract. Any claims arising from such construction shall not be

#### PROJECT:

A NEW SANDWICH RESTAURANT 869 SW Lemans Ln, Lee's Summit, MO 64082

CONTRACT INITIATION March 19, 2025

AS-BUILT MEASURING/COMPLETION 3/20/25

OWNER'S DESIGN REVIEW ?/?/25

PLANNING PRE-APP REVIEW PLANNING SPECIAL USE SUBMITTAL

OWNER'S CD REVIEW ?/?/25

PLANS AVAILABLE FOR PERMIT SUBMIT 4/1/25

### PLANS PERMIT RESUBMIT

REVISIONS: REVISED PER CITY ?/?/25

REVISED PER CITY 2/7/25

### SHEET TITLE:

PLUMBING **RISER** DIAGRAMS + NOTES

SHEET NO:

PROJECT NUMBER : 031925