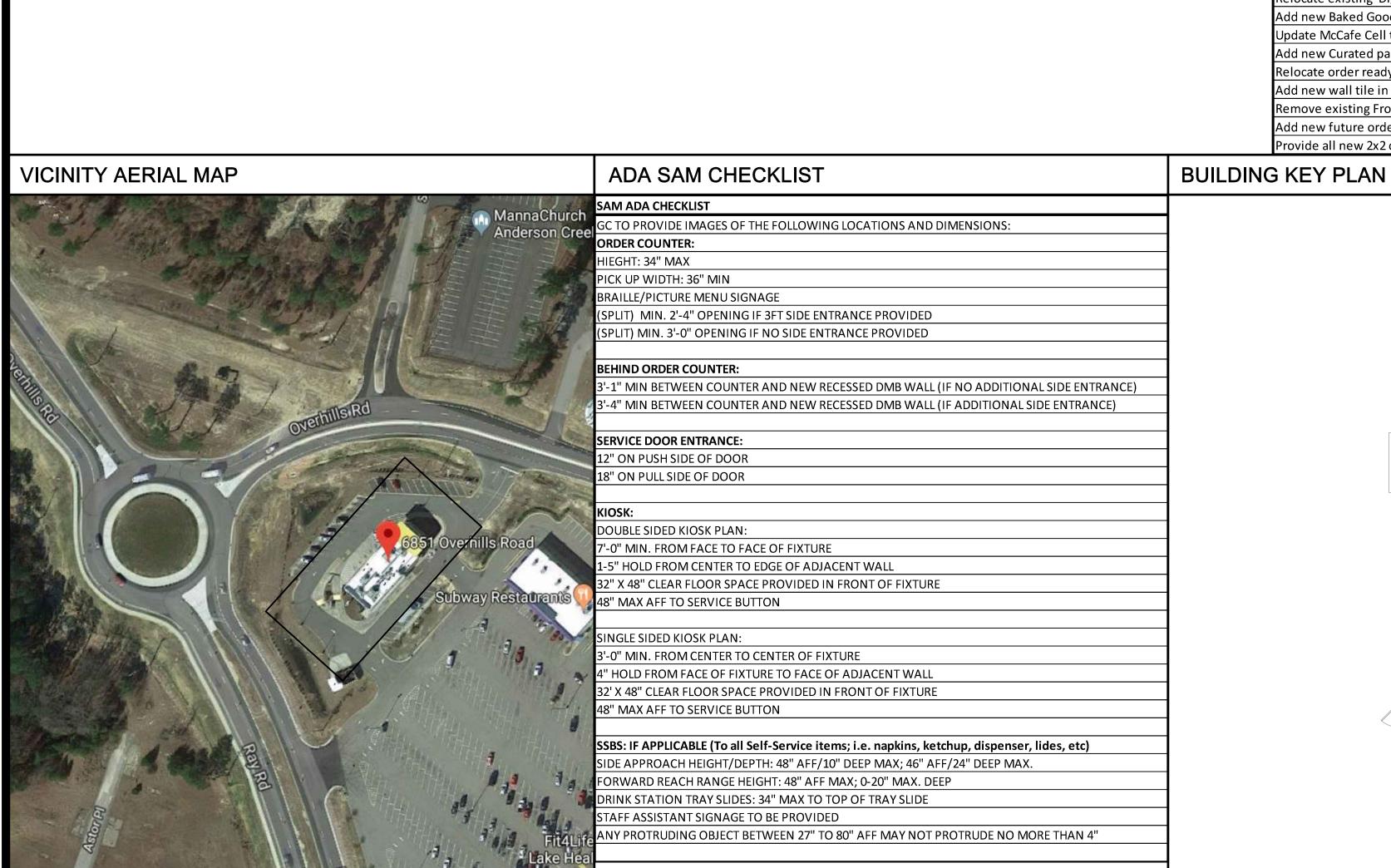
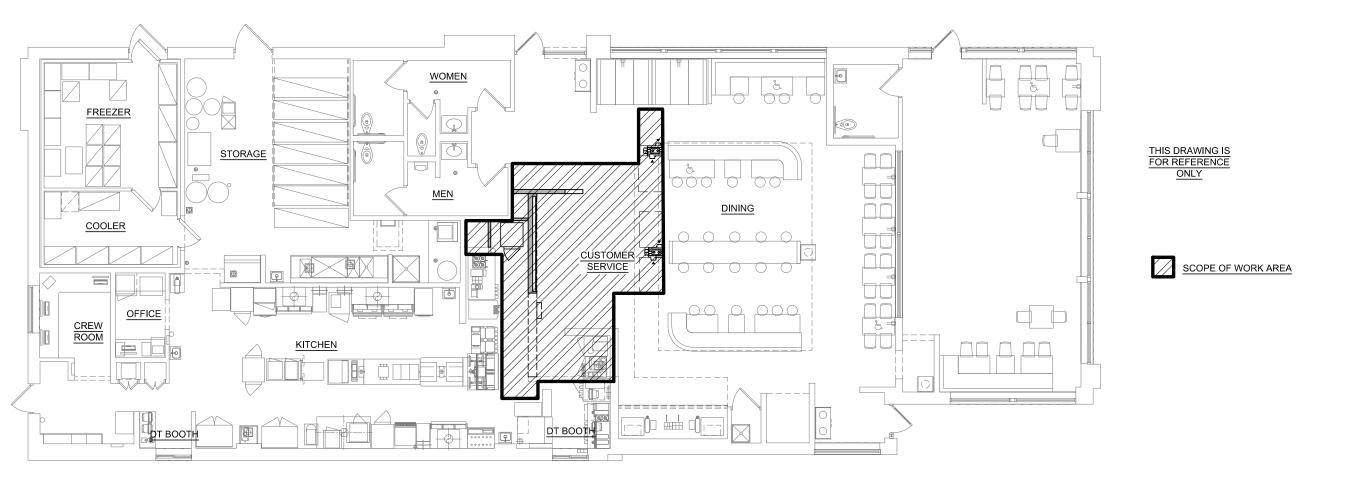


PROVIDED FOR THE RALEIGH REGION

PROJECT INFORMATION



DRAWING SHEET INDEX **BUILDING INFORMATION** 1 2 3 4 SITE ADDRESS: DESIGNER OF RECORD: ARCHITECTURAL SHEETS 6851 OVERHILLS RD THE SHEET OF ARCHITECT: DONALD RORSCHACH SPRING LAKE, NC 28390 513 MAIN STREET, SUITE 300, FORT WORT MANUTE DEMOCRET & PLOOR PLAN CITY OF SPRING LAKE, NORTH CAROLINA CUMBERLAND COUNTY, NORTH CAROLINA A1.0 RCP & FLOOR PLAN **EXISTING BUILDING CONSTRUCTION:** DET1.A FRONT COUNTER NOTES & DETAILS CMU EXTERIOR WALL CONSTRUCTION STEEL ROOF FRAMING MEMBERS DET1.B DIGITAL MENU BOARD NOTES & DETAILS GN1.0 GENERAL NOTES EXISTING BUILDING USE AND OCCUPANCY: ELECTRICAL SHEETS ASSEMBLY 2 RESTAURANT E1.0 ELECTRICAL LIGHTING PLAN & NOTES REMODEL BUILDING CONSTRUCTION: E2.0 ELECTRICAL DETAILS WOOD EXTERIOR WALL CONSTRUCTION WOOD ROOF FRAMING MEMBERS INTERIOR DECOR SHEETS REMODEL BUILDING USE AND OCCUPANCY: PROVIDED BY DECOR COMPANY COORDINATE WITH ACM ASSEMBLY 2 RESTAURANT **BUILDING DESIGN CODES:** 2012 INTERNATIONAL BUILDING CODE 2012 INTERNATIONAL MECHANICAL CODE 2012 INTERNATIONAL PLUMBING CODE 2014 NATIONAL ELECTRIC CODE 2012 INTERNATIONAL EXISTING BUILDING CODE 2012 INTERNATIONAL ENERGY CONSERVATION CODE EXISTING BUILDING OCCUPANCY TO REMAIN AS IS EXISTING GROSS 5,307 SF REMODELED NET 412 SF EXISTING LIFE SAFETY SYSTEMS TO REMAIN AS IS SCOPE OF WORK McDonald's SAM Scope of Work (Spring Lake, NC) 6851 Overhills Rd FORT WORTH, TEXAS 76102 Add new MFC 1.5 counter 817.820.0433 o 817.705.3387 Relocate existing Digital Menu Boards to be recessed, portrait style, GC to reference plans & details Add new Baked Goods display Update McCafe Cell to be SAM, verify with décor for new finishes Add new Curated panel and mount in kitchen, GC to verify location with ACM Relocate order ready board and frame to remain as is Add new wall tile in the kitchen areas that are visible to customers per plans, verify with décor Remove existing Front Counter Soffit and extend existing ceiling tile Add new future order Kiosks, GC to verify with ACM Provide all new 2x2 ceiling in customer areas; including grid, tiles, lights, and diffusers. (Verify with Décor) 'SN



PROJECT NAME
MCDONAL

DESCRIPTION
EXISTING EXTERIC
EXISTING ROOF F

SITE ID
SI

**I** T1.0

# APPENDIX B **BUILDING CODE SUMMARY** FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES) (Reproduce the following data on the building plans sheet 1 or 2) 032-1588 McDonalds Spring Lake, NC Address: 6851 Overhills Rd Spring Lake, NC 28390 Proposed Use: Restaurant Owner or Authorized Agent: \_\_\_\_\_ Donny Rorschach Phone # \_\_\_\_817-820-0433 ☐ City/County Owned By: Code Enforcement Jurisdiction: 🗵 City\_\_\_\_\_ 🗌 County\_\_\_\_ LEAD DESIGN PROFESSIONAL: \_\_\_\_\_Donny Rorschach DESIGNER FIRM NAME LICENSE # Architectural Rogue Architects Donny Rorschach 8596 Civil David Day David Day 15588 (817) 5560986 Electrical Fire Alarm \_\_\_\_\_(\_\_\_)\_\_\_\_ Plumbing Mechanical \_ (\_\_\_)\_\_\_\_ Sprinkler-Standpipe Retaining Walls >5' High \_ YEAR EDITION OF CODE: \_\_\_\_\_\_ 2012 IBC **BUILDING DATA** □ I-A □ I-B □ II-A □ III-B □ III-B □ IV □ V-A □ V-B Mixed construction: □ No □ Yes Types **Construction Type:** Sprinklers: ☐ No ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D Standpipes: X No Yes Class I I II Wet Dry Fire District: No Yes Mezzanine: Yes ☐ No ☐ Yes Central Reference Sheet # (if provided) \_\_\_\_\_ High Rise: Gross Building Area: EXISTING (SQ FT) NEW (SQ FT) 5,307 NC Administration and Enforcement **DESIGN LOADS:** Live Loads Wind Load SEISMIC DESIGN Compliance with Se SEISMIC DESIGN Provide the following Seismic Us Spectral R Site Classi Basic struc

STRUCTURAL DESIGN DESIGN LOADS: TO REMAIN AS IS, N/A	
Importance Factors: Wind $(I_W)$ $N/A$ Snow $(I_S)$	SPECIAL APPROVALS
Seismic $(I_E)$	Special approval: (Local Jurisdiction, Department of Insurance, SBCCI, ICC, etc., describe below)
Live Loads:         Roof         N/A         psf           Mezzanine         psf           Floor         psf	N/A
Snow Load: N/A psf	
Wind Load:       Basic Wind Speed       N/A       mph (ASCE-7-98)         Exposure Category       Vx = Vy =	
SEISMIC DESIGN CATEGORY A N/A Compliance with Section 1616.4 only?	ENERGY SUMMARY ENERGY REQUIREMENTS: TO REMAIN AS IS, N/A The following data shall be considered minimum and any special attribute required to meet the energy code shall
SEISMIC DESIGN CATEGORY B, C, & D N/A	also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.
Provide the following Seismic Design Parameters:  Seismic Use Group	THERMAL ENVELOPE
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Method of Compliance: N/A
Basic structural system (check one) Bearing Wall Dual w/Special Moment Frame	Prescriptive Performance Energy Cost Budget
Building Frame Dual w/Intermediate R/C or Special Steel Moment Frame Inverted Pendulum	Roof/ceiling Assembly (each assembly)
Seismic base shear $V_{v} = V_{v} = V_{v} = V_{v}$	Description of assembly U-Value of total assembly
Analysis Procedure Simplified Equivalent Lateral Force Modal Architectural, Mechanical, Components anchored?	R-Value of insulation
	Skylights in each assembly U-Value of skylight
	total square footage of skylights in each assembly
SOIL BEARING CAPACITIES:  Field Test (provide copy of test report) psf	Exterior Walls (each assembly)
Presumptive Bearing capacity psf	Description of assembly U-Value of total assembly
Pile size, type, and capacity	R-Value of insulation
	Openings (windows or doors with glazing) U-Value of assembly
PLUMBING FIXTURE REQUIREMENTS TO REMAIN AS IS	shading coefficient
OCCUPANCY WATERCLOSETS URINALS LAVATORIES SHOWERS/ DRINKING FOUNTAINS	projection factor low e required, if applicable
MALE FEMALE MALE FEMALE TUBS REGULAR ACCESSIBLE	Door R-Values
A 1 2 1 1 1	
	Walls adjacent to unconditioned space (each assembly)  Description of assembly
	U-Value of total assembly
	R-Value of insulation
ACCESSIBLE PARKING TO REMAIN AS IS	Openings (windows or doors with glazing) U-Value of assembly
LOT OR PARKING TOTAL# OF PARKING SPACES # OF ACCESSIBLE SPACES PROVIDED TOTAL#	Low e required, if applicable
AREA REQUIRED PROVIDED REGULAR WITH 5' VAN SPACES WITH 8' ACCESSIBLE	Door R-Values
N/A ACCESS AISLE ACCESS AISLE PROVIDED	Walls below grade (each assembly)
	Description of assembly
TOTAL	U-Value of total assembly R-Value of insulation
NC Administration and Enforcement 33	NC Administration and Enforcement 34

Utility and Miscellaneous Parking Garage Open Enclosed Repair

The required type of construction for the building shall be determined by applying the height and area

For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area

+ \_\_\_\_\_ + ...... = <u>≤1.00</u>

N (A) (B) (C) (D) (E) (F)
BLDG AREA TABLE 503<sup>5</sup> AREA FOR AREA FOR ALLOWABLE MAXIMUM
PER STORY AREA OPEN SPACE SPRINKLER AREA OR BUILDING
(ACTUAL) INCREASE INCREASE UNLIMITED AREA

limitations for each of the applicable occupancies to the entire building. The most restrictive type of

Mixed Occupancy: X No Yes Separation: \_\_\_\_ Hr. Exception: \_\_\_\_

High-Hazard H-1
Institutional I-1

Secondary Occupancy:

| Mercantile | Residential | R| Storage | S-1 | S-2 |

☐ Non-Separated Mixed Occupancy (302.3.2)

Open space area increases from Section 506.2 are computed thus:

b. Total Building Perimeter = \_\_\_\_(P)

<sup>2</sup> The sprinkler increase per Section 506.3 is as follows:

a. Multi-story building  $I_s = 200$  percent

b. Single story building  $I_s = 300$  percent

must comply with 412.1.2.

NC Administration and Enforcement

construction, so determined, shall apply to the entire building.

☐ Separated Mixed Occupancy (302.3.3) - See below for area calculations

Actual Area of Occupancy A + Actual Area of Occupancy B

Allowable Area of Occupancy A Allowable Area of Occupancy B

of each use divided by the allowable floor area for each use shall not exceed 1.

a. Perimeter which fronts a public way or open space having 20 feet minimum width = \_\_\_\_\_(F)

Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1, 507.2, 507.3, 507.5);

<sup>5</sup> The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers

c. Ratio (F/P) = \_\_\_\_\_ (F/P) d. W = Minimum width of public way = \_\_\_\_ (W) e. Percent of frontage increase  $I_f = 100 [F/P - 0.25] \times W/30 = ____ (\%)$ 

Group A motion picture (507.8); Malls (402.6); and H-2 aircraft paint hangers (507.6). Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.

Interior						1					
Nonbearing walls and								1	USE GROUP	(a)	
partitions Exterior									OR SPACE DESCRIPTION	AREA <sup>1</sup>	
North								]		sq. ft.	00
East		-						4			(TABL
West South								-	TO REMA	IN AS IS,	N/A
Interior								1	10 112111	110 10,	11711
Floor construction								1		+	+
Including supporting be and joists	ams										
Roof construction											
Including supporting be and joists	ams								1 G T-11- 1002 2	2.2.4. 1.4	_1 _41
Shafts - Exit								]	See Table 1003.2 See definition "Ar	ea, Gross" and "A	Area, Net
Shafts - Other								4	<sup>2</sup> Minimum stairway	width (Section 10	003 3 3)· n
Corridor Separation		-				-		4	Minimum width of See Section 1003.2 The loss of one m	2.2.7 for convergi	ng exits.
Occupancy Separation Party/Fire Wall Separation	on							-	<sup>5</sup> The loss of one m 1003.2.3)	eans of egress shall	ll not redu
Smoke Barrier Separation								1	<sup>6</sup> Assembly occupan	ncies (Section 10	08)
Tenant Separation								]			
* Indicate section num	ber permitting red	uction									
NC Administration and	Enforcement						31	•	NC Administration a	nd Enforcement	
Desc U-Va R-Va Floors slab on Desc U-Va R-Va Horiz	nconditioned space ription of assemb alue of total assem- ulue of insulation a grade ription of assemb- alue of total assem- ulue of insulation zontal/vertical requirements	ly bly ly bly	ssembly)						Uı Bo		nit cy cy init of unit
			CTRICAL SUM	MARY				•		total chiller capa ment efficiencies t schedules with r	
ELECTRICAL SYSTE	M AND EQUIPMI		DEMATN A	C TC N	r / 7\				me	otor horsepower	
Method of Co ☐ Prescriptive	mpliance: N/A ′e □ F	erforman	REMAIN A	Energy Co					mi me	imber of phases inimum efficiency otor type	
numl balla numl total total total	type required in fiver of lamps in fixt st type used in the per of ballasts in fix wattage per fixtur interior wattage sexterior wattage s	ure fixture xture e pecified v pecified v	s allowed	1					# 6	of poles	
moto numl minii	hedules with motor or horsepower ober of phases mum efficiency or type poles	ors (not us	sed for mechani	cal systems	)						
		MEC	HANICAL SUM	IMARY				•			
MECHANICAL SYSTEM	еме серхись с										
MECHANICAL SYSTI	mpliance	TO RE	AND EQUIPMI MAIN AS I ost Budget								
Thermal Zone	-		zaugoi								
	er dry bulb ner dry bulb										
sumr	n conditions er dry bulb ner dry bulb ve humidity										
NC Administration and I	Enforcement						35		NC Administration ar	d Enforcement	

ALLOWABLE HEIGHT

FIRE PROTECTION REQUIREMENTS

Feet = H + 20' =Stories  $+ 1 = _{-}$ 

Type \_\_\_

SEPARATION DISTANCE (FEET) REQ'D PROVIDED (W/\_ \* REDUCTION)

TO REMAIN AS IS, N/

Type of Construction

BUILDING ELEMENT

including columns, girders,

Bearing walls

Exterior

East

West

South

North

Building Height in Feet

Building Height in Stories

TO REMAIN AS IS, N/A

Life Safety Plan Sheet #, if Provided N/A

# LIFE SAFETY SYSTEM REQUIREMENTS

Fire Alarm: Smoke Detection Systems: Panic Hardware:

TO REMAIN AS IS, N/A

# EXIT REQUIREMENTS

NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM OR	MINIMUM <sup>2</sup>		TRAVEL DISTAN	ARRANGEMENT MEANS OF		
PACE DESIGNATION	NUMBER OF EXITS			EGRESS <sup>1,3</sup> (SECTION 1004.1)		
	REQUIRED SHOWN		ALLOWABLE TRAVEL	ACTUAL	REQUIRED	ACTUAL
		ON PLANS	DISTANCE	TRAVEL	DISTANCE	DISTANCE
			(TABLE 1004.2.4)	DISTANCE	BETWEEN	SHOWN ON
				SHOWN ON	EXIT DOORS	PLANS
				PLANS		
TO REMAI	N AS IS	, N/A				

<sup>1</sup> Corridor dead ends (Section 1004.3.2.3) Single exits (Table 1005.2.2) <sup>3</sup> Common Path of Travel (Section 1004.2.5)

#### EXIT WIDTH

USE GROUP	(a)	(b)	(	(c)	EXIT WIDTH (in) <sup>2,3,4,5,6</sup>				
OR SPACE DESCRIPTION	AREA <sup>1</sup> sq. ft.	AREA <sup>1</sup> PER OCCUPANT	PER OC	S WIDTH CUPANT 1003.2.3)	REQUIRED WIDTH (SECTION 1003.2.3) (a÷b) x c		ACTUAL WIDTH SHOWN ON PLANS		
		(TABLE 1003.2.2.2)	STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL	
TO REMAI	N AS IS, I	I/A							

e whether net or gross area is applicable.

"Area, Net" (Section 1002) 1003.3.3); min. corridor width (Section 1004.3.2.2); min. door width (Section 1003.3.1) vay (Section 1005.3.3)

shall not reduce the available capacity to less than 50 percent of the total required (Section

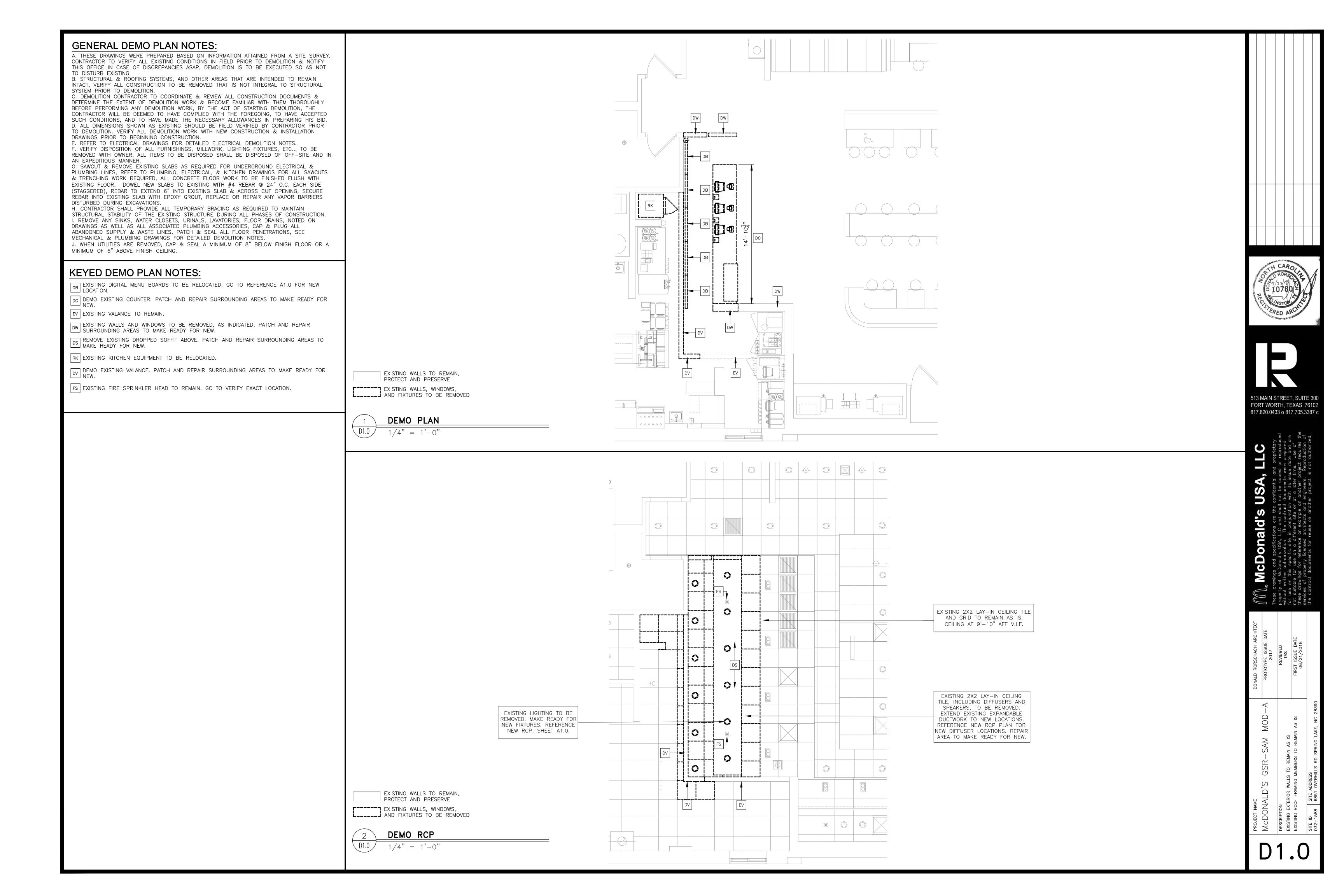
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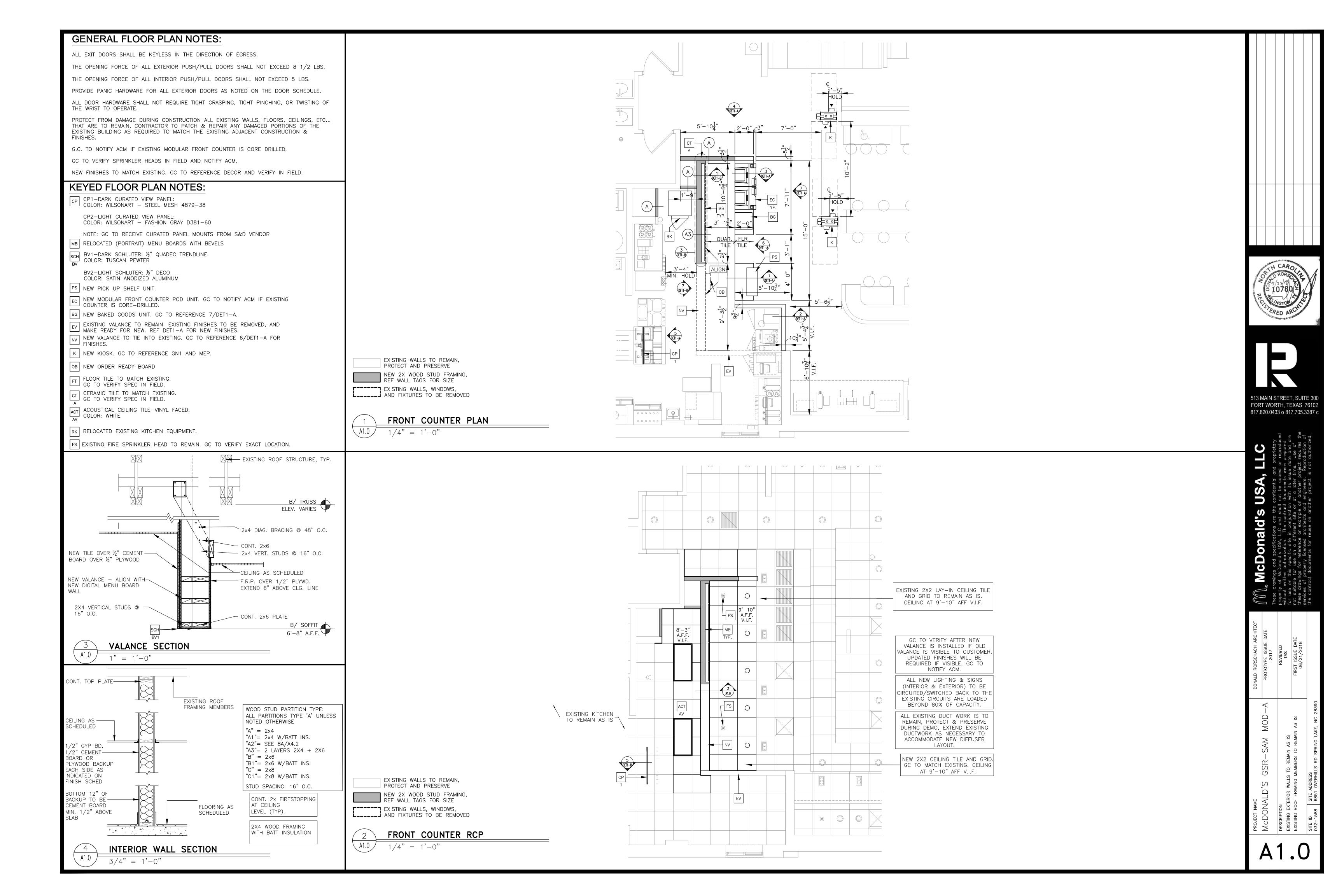
output. If oversized, state reason.

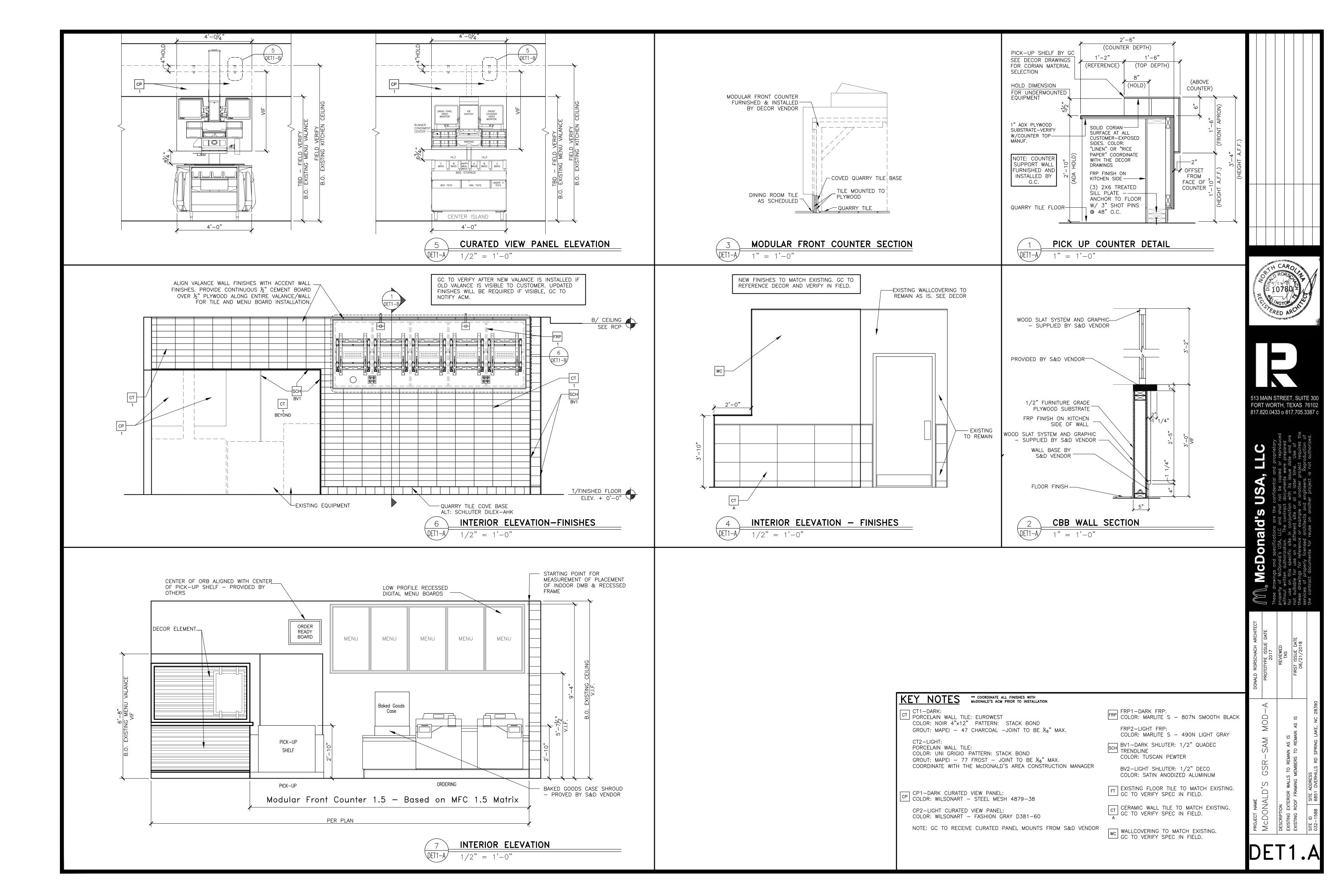
apacity. If oversized, state reason.

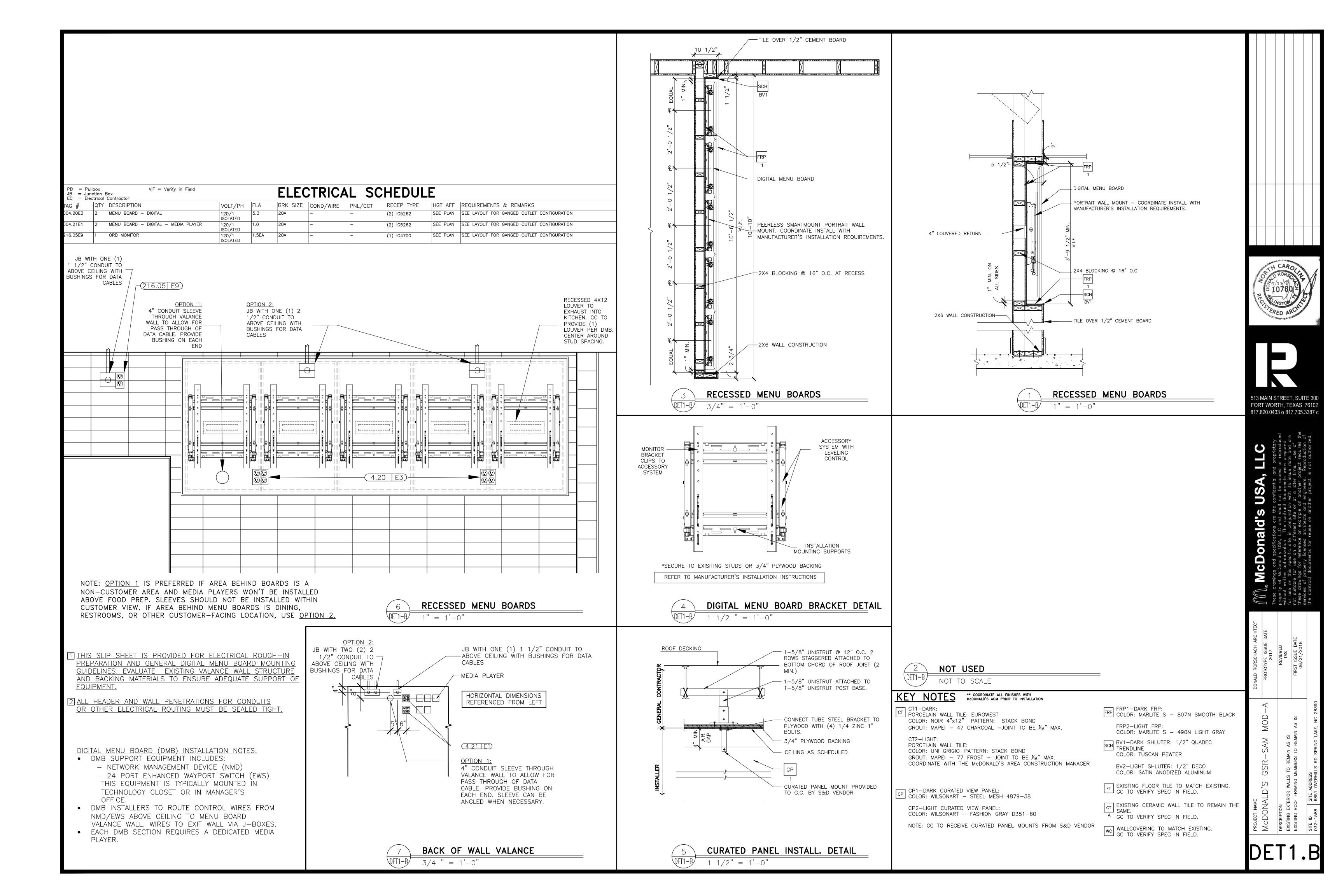
h motors (mechanical systems)

513 MAIN STREET, SUITE 300 FORT WORTH, TEXAS 76102 817.820.0433 o 817.705.3387 (









### **GENERAL NOTES:**

- -TYPICAL KIOSK QUANTITY (4), FINAL QUANTITY PER RESTAURANT TO BE DETERMINED BY MCDONALD'S OPERATIONS TEAM AND ACM
- -12' CLEAR DIMENSION HIGHLY RECOMMENDED BETWEEN FRONT COUNTER AND KIOSK \*EXISTING CONDITIONS TO BE CONSIDERED
- -SEE PUCK HOLDER GUIDELINE FOR PLACEMENT

SIDED CONFIGURATION ACTS AS A PARTITION

PROVIDE BETTER SCREEN VISIBILITY

- -WALL FINISH BEHIND KIOSK TO COORDINATE WITH DECOR
- -POWER FROM ABOVE (WITH STANDARD CEILING HEIGHT) IF CEILING IS GREATER THAN 10'-6" CONTACT USRD PROJECT MANAGER, SEE KIOSK CUT SHEET FOR ADDITIONAL ELECTRICAL INFORMATION
- -CUSTOMER QUEUES MAY FORM AND CREATE CONGESTION WITH OTHER ORDER POINTS. USE THIS CONFIGURATION ONLY WHEN THERE IS
- SUFFICIENT CLEAR SPACE IN FRONT OF KIOSK -WALL OR PARTITION NOT NECESSARILY REQUIRED BEHIND KIOSK, SINGLE
- -SINGLE SIDED KIOSKS MAY BE ANGLED SLIGHTLY (10°-15°) TO
- -WORK WELL SIDE BY SIDE WITH A 5' WIDE PARTITION/WALL BEHIND

# DOUBLE SIDED KIOSK CONFIGURATION: PERPENDICULAR TO WALL/PARTITION MULTIPLE UNITS

- COUNTER AND KIOSK \*EXISTING CONDITIONS TO BE CONSIDERED
- -WALL FINISH BEHIND KIOSK TO COORDINATE WITH DECOR
- -POWER FROM ABOVE (WITH STANDARD CEILING HEIGHT) IF CEILING IS GREATER THAN 10'-6" CONTACT USRD PROJECT MANAGER, SEE KIOSK CUT SHEET FOR ADDITIONAL ELECTRICAL INFORMATION
- -LEVERAGES EXISTING DECOR ELEMENTS TYPICALLY SEEN IN OUR STANDARD DECOR LAYOUTS
- -THIS IS THE PREFERRED PLACEMENT CONFIGURATION

# OTHER KIOSK PLACEMENT

-TYPICAL KIOSK QUANTITY (4), FINAL QUANTITY PER RESTAURANT TO BE DETERMINED BY MCDONALD'S OPERATIONS TEAM AND ACM

- -12' CLEAR DIMENSION HIGHLY RECOMMENDED BETWEEN FRONT COUNTER AND KIOSK \*EXISTING CONDITIONS TO BE CONSIDERED
- -SEE PUCK HOLDER GUIDELINE FOR PLACEMENT
- -WALL FINISH BEHIND KIOSK TO COORDINATE WITH DECOR
- -POWER FROM ABOVE (WITH STANDARD CEILING HEIGHT) IF CEILING IS GRFATER THAN 10'-6" CONTACT USRD PROJECT MANAGER, SEE KIOSK CUT SHEET FOR ADDITIONAL ELECTRICAL INFORMATION
- -CONSIDER SIZE OF BASE PLATE FOR CLEARANCE WHEN ANGLING A KIOSK AGAINST A WALL/PARTITION
- -KIOSK MAY BE TURNED ON AN ANGLE TO INCREASE SCREEN VISIBILITY -DOUBLE SIDED OR SINGLE SIDED KIOSKS CAN BE FREE FLOATING OR
- -WHEN SPACE ALLOWS, THIS SOLUTION IS THE ULTIMATE IN INTERRUPTING CUSTOMERS AND IDEAL WHEN LARGE GROUPS ARE EXPECTED TO ORDER
- -ENSURE ADEQUATE CIRCULATION AROUND FREE FLOATING KIOSKS
- -IDEAL WHEN A LARGE QUANTITY OF KIOSK FACES ARE REQUIRED

FRONT ELEVATION

FRONT ELEVATION

FRONT ELEVATION

# GENERAL NOTES

#### **CONSTRUCTION DOCUMENTS:**

- BY EXECUTION OF THE CONSTRUCTION CONTRACT, THE CONTRACTOR REPRESENTS THAT HE OR SHE HAS (1) READ AND UNDERSTANDS THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS, (2) VISITED THE PROJECT—SITE, (3) BECOME FAMILIAR WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED, (4) CORRELATED PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND (5) THAT HE OR SHE WILL COMPLY WITH ALL REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.
- THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE CONSTRUCTION WORK - AND TO PROVIDE (FURNISH AND INSTALL) ALL PRODUCTS. MATERIALS. EQUIPMENT OR ACCESSORIES REQUIRED FOR PROPER OPERATION, IN ACCORDANCE WITH THEIR MANUFACTURER'S REQUIREMENTS.
- 3. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. WHILE PREPARED WITH DUE CARE AND DILIGENCE, PERFECTION IS NOT POSSIBLE. DESIGN AND CONSTRUCTION ARE COMPLEX - EVERY POSSIBLE CONDITION OR CONTINGENCY CANNOT BE ANTICIPATED OR FULLY INDICATED WITHIN THE DOCUMENTS.
- CAREFULLY STUDY AND COMPARE THE VARIOUS DRAWINGS (INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, MECHANICAL OR ELECTRICAL) AND OTHER CONTRACT DOCUMENTS WITH THE EXISTING CONDITIONS AT THE PROJECT-SITE BEFORE STARTING CONSTRUCTION. REPORT ERRORS, INCONSISTENCIES OR OMISSIONS 3. INSPECT EACH ITEM OF MATERIAL OR EQUIPMENT IMMEDIATELY PRIOR TO DISCOVERED FOR CLARIFICATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR OR CORRECTION COSTS IF WORK IS EXECUTED WITH KNOWLEDGE THAT IT INVOLVES AN ERROR, INCONSISTENCY OR OMISSION - WITHOUT THE ABOVE NOTICE.
- IN THE EVENT OF CONFLICT OR AMBIGUITY WITHIN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR WILL BE DEEMED TO HAVE AGREED TO PROVIDE THE GREATER QUANTITY AND / OR BETTER QUALITY OF MATERIALS AND / OR WORK. OMISSIONS IN THE DESCRIPTION OF THE WORK DO NOT RELIEVE THE CONTRACTOR FROM PROVIDING A COMPLETE PROJECT.

## **GENERAL SCOPE OF WORK:**

- PERFORM ALL CONSTRUCTION WORK INDICATED OR OTHERWISE REQUIRED FOR COMPLETION OF THE PROJECT - EXCEPT AS NOTED OTHERWISE.
- SCHEDULE AND COORDINATE THE WORK OF THE COMPLETE PROJECT TO ASSURE AN EFFICIENT AND ORDERLY SEQUENCE OF INSTALLATION OF ALL ELEMENTS - WITH PROVISIONS FOR ACCOMMODATING ITEMS TO BE INSTALLED LATER.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK.
- PROVIDE ALL REQUIRED NOTICES FOR INSPECTIONS AND APPROVALS OF THE WORK BY THE AUTHORITY HAVING JURISDICTION (AHJ). THE MOST RESTRICTIVE CODE REQUIREMENTS AS INTERPRETED BY LOCAL OFFICIALS WILL APPLY.
- VERIFY LOCATIONS OF EXISTING UTILITY SERVICE CONNECTIONS SERVING THE PROJECT BEFORE STARTING CONSTRUCTION. LOCATIONS OF EXISTING UTILITIES NOTED ARE APPROXIMATE, AND MAY BE BASED ON UN-VERIFIED INFORMATION. PROVIDE ALL CONNECTIONS REQUIRED AT UTILITY CONNECTION POINTS AT NO ADDITIONAL COST TO THE OWNER.
- PROVIDE SUBCONTRACTORS WITH A FULL-SET OF THE CONSTRUCTION DOCUMENTS TO ENSURE COORDINATION BETWEEN ALL TRADES AND EACH SUBCONTRACTOR.
- ALL CONSTRUCTION WORK MUST BE OF GOOD QUALITY FREE FROM DEFECTS AND IN ACCORDANCE WITH REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS - OR THE WORK MAY BE CONSIDERED DEFECTIVE - AND SUBJECT TO CORRECTION OR REPLACEMENT BY THE CONTRACTOR WITHIN A PERIOD OF ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION.

# INSTALLATION OF OWNER-FURNISHED PRODUCTS:

- COORDINATE, RECEIVE AT SITE, VERIFY RECEIPT, HANDLE, STORE ON-SITE (IF REQUIRED), PROTECT AND INSTALL OWNER-FURNISHED PRODUCTS, AND PROVIDE SERVICE CONNECTIONS AS APPLICABLE.
- NOTIFY THE OWNER WITHIN FIVE (5) DAYS OF RECEIPT OF ANY ITEMS ARE MISSING, DAMAGED OR OTHERWISE DEFECTIVE. LACK OF NOTIFICATION WILL BE CONSIDERED PRESUMPTIVE PROOF THAT ALL ITEMS DID ARRIVE UNDAMAGED AND IN PROPER QUANTITIES, AND ANY REPLACEMENT OR REPAIRS NECESSARY WILL THEN BE THE RESPONSIBILITY OF THE CONTRACTOR.
- REPAIR DAMAGE TO OWNER-FURNISHED PRODUCTS CAUSED BY CONSTRUCTION OPERATIONS TO THE OWNER'S SATISFACTION.

### TEMPORARY FACILITIES, UTILITIES & CONTROLS:

- 1. PROVIDE BARRIERS, FENCES AND OTHER CONTROLS TO PREVENT PUBLIC ENTRY TO CONSTRUCTION AREAS, AND TO PROTECT CONSTRUCTION WORKERS AND THE PUBLIC FROM HAZARDS OF CONSTRUCTION.
- PROVIDE PROTECTION OF CONSTRUCTION MATERIALS FROM LOSS. DAMAGE. FIRE OR THEFT, AND PROTECT EXISTING CONSTRUCTION FROM DAMAGE BY CONSTRUCTION OPERATIONS.
- 3. PROVIDE TEMPORARY FIRE-PREVENTION MEASURES AND PROCEDURES INCLUDING FIRE-EXTINGUISHERS PER AHJ REQUIREMENTS.
- 4. PROVIDE DUMPSTERS AND COLLECT WASTE DAILY. DISPOSE OF MATERIAL IN A LAWFUL MANNER. PLACE DUMPSTER IN LOCATION APPROVED BY OWNER OR LANDLORD, AS APPLICABLE.

#### **GENERAL PRODUCT REQUIREMENTS:**

- STORE PRODUCTS PER MANUFACTURER'S INSTRUCTIONS, PROTECTED FROM DAMAGE OR ABUSE, AND WITH VENTILATION TO AVOID CONDENSATION.
- APPLICATION OF A MATERIAL OR EQUIPMENT ITEM TO WORK INSTALLED BY OTHERS CONSTITUTES ACCEPTANCE OF THAT WORK AND ASSUMPTION OF RESPONSIBILITY FOR SATISFACTORY INSTALLATION AND PERFORMANCE.
- INSTALLATION. REJECT DAMAGED AND DEFECTIVE ITEMS. 4. COORDINATION WITH FIXTURES, FURNISHINGS & EQUIPMENT (FF&E):
- 5. REVIEW THE OWNER'S SEPARATE CASEWORK/FIXTURES, FURNISHINGS, EQUIPMENT, & SIGNAGE DRAWINGS FOR UNIT SIZES, WEIGHTS, SERVICE-CONNECTIONS AND CLEARANCES REQUIRED - WHETHER FURNISHED OR INSTALLED BY THE CONTRACTOR OR OTHERS. VERIFY THAT REQUIRED ROUGH-INS, CONNECTIONS AND CLEARANCES WILL BE PROVIDED. PROVIDE OPENINGS AND DELIVERY ACCESS FOR FF&E ITEMS. AND PROVIDE STAGING SPACE FOR THEIR INSTALLATION. REPORT DISCREPANCIES OR OMISSIONS OF EQUIPMENT REQUIREMENTS PRIOR TO INSTALLATION.
- 6. PROVIDE ALL HVAC, PLUMBING, GAS OR ELECTRIC SERVICE CONNECTIONS TO CASEWORK / FIXTURES, SIGNAGE, OR EQUIPMENT INDICATED (WHETHER UNITS ARE INSTALLED BY CONTRACTOR OR BY OTHERS).

#### GENERAL EXECUTION OF THE WORK:

- 1. ESTABLISH AND MAINTAIN DURABLE MARKERS TO LOCATE ALL ELEMENTS OF THE WORK, INCLUDING BUT NOT LIMITED TO PARTITIONS, CASEWORK, FIXTURES. EQUIPMENT AND LIGHT-FIXTURES, AND THEIR RELATED MECHANICAL, ELECTRICAL AND PLUMBING CONNECTIONS.
- AT PROJECTIONS OF FINISHED SURFACES, INCLUDING PILASTERS OR THICKENED WALLS, RETURN ALL EXPOSED SURFACE FINISHES BACK TO THE PRIMARY SURFACE EVEN IF NOT SPECIFICALLY NOTED.
- 3. PERFORM ALL CUTTING, PATCHING AND FITTING TO ACCOMMODATE CONSTRUCTION WORK AND TO ACHIEVE THE INTENT OF THE CONSTRUCTION DOCUMENTS. CUT & PATCH PARTITIONS FOR INSTALLATION OF PLUMBING OR ELECTRICAL SERVICES AND FOR INSTALLATION OF WALL BLOCKING, IF NECESSARY. PROVIDE ESCUTCHEONS, GROMMETS AND SIMILAR SURFACE CLOSURE OR FINISHED TRIMS AT EXPOSED PENETRATIONS OF FINISHED SURFACES.
- 4. BRACE PARTITIONS, SUSPEND CEILINGS OR SOFFITS, AND BRACE PLATFORMS, SUSPENDED ITEMS OR SIMILAR CONSTRUCTION ONLY TO STRUCTURAL ELEMENTS ABOVE - EVEN IF NOT SPECIFICALLY NOTED. DO NOT ANCHOR TO ROOF DECK, PLUMBING / SPRINKLER PIPES, DUCTWORK, ELECTRICAL CONDUIT OR SIMILAR ELEMENTS.

# COORDINATION WITH ADJACENT CONSTRUCTION:

- 1. LIMIT WORK TO OCCUR WITHIN THE PROJECT SITE, OR WITHIN OTHER AREAS DESIGNATED OR APPROVED FOR USE BY THE OWNER / LANDLORD / OR DEVELOPER. CONNECT TO EXISTING UTILITY SERVICES BEYOND THE PROJECT-SITE IN THE MOST EXPEDITIOUS MANNER POSSIBLE WITH MINIMAL DISTURBANCE OF EXISTING ELEMENTS OR FINISHES.
- 2. RESTORE ALL AREAS OF EXISTING LANDSCAPING (INCLUDING SPRINKLER SYSTEMS) DISTURBED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION.

# FINAL CLEANING:

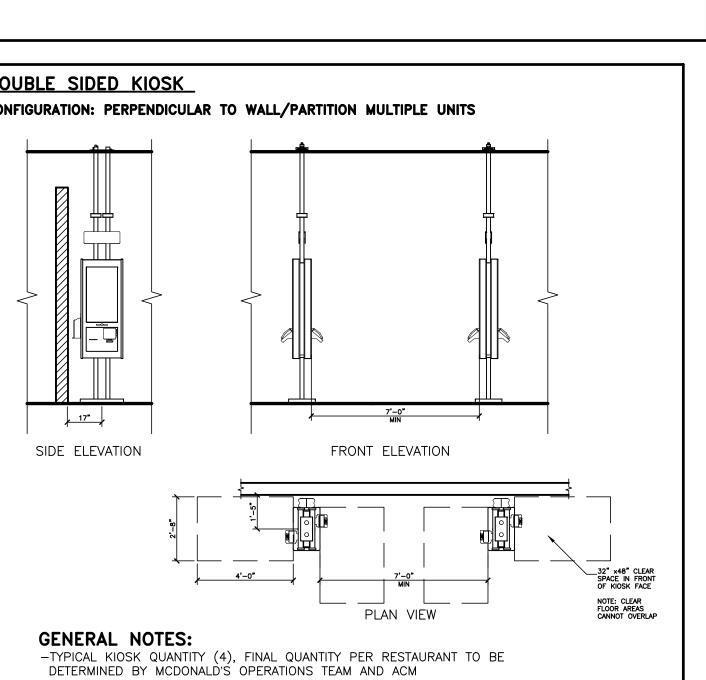
- 1. JUST BEFORE OWNER OCCUPANCY, CLEAN ALL SURFACES INCLUDING FIXTURES AND EQUIPMENT FOR THE OWNER'S USE AND OPERATION. POLISH GLASS AND PLUMBING FIXTURES TO BE WITHOUT NOTICEABLE STREAKS. VACUUM CLEAN FLOORS AND DAMP WIPE WALLS, FIXTURES AND EQUIPMENT TO BE DUST-FREE WITHOUT STAINS, FILMS AND OTHER DISTRACTING SUBSTANCES.
- 2. CLEAN THE PROJECT SITE OF RUBBISH, LITTER AND OTHER FOREIGN SUBSTANCES. BROOM CLEAN PAVED AREAS AND REMOVE STAINS, SPILLS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS THAT ARE NEITHER PAVED NOR PLANTED. TO A SMOOTH EVEN-TEXTURED SURFACE.



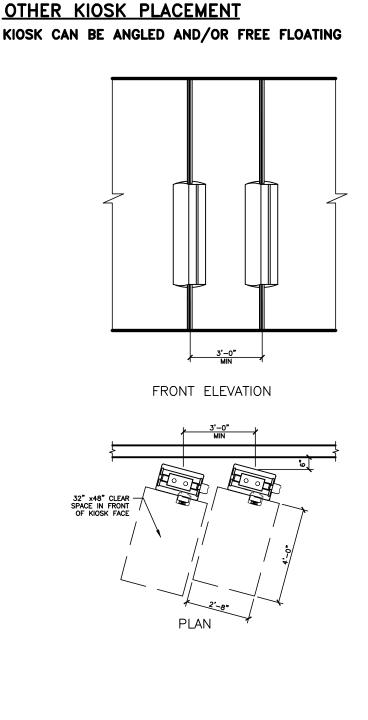


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2017	REVIEWED TAS	FIRST ISSUE DATE 06/21/2018	
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- -12' CLEAR DIMENSION HIGHLY RECOMMENDED BETWEEN FRONT
- -SEE PUCK HOLDER GUIDELINE FOR PLACEMENT
- -IDEAL WHEN PLACED IN FRONT OF THE SERVICE AREA, LESS LIKELY TO INTERFERE WITH FRONT COUNTER QUEUING
- -IDEAL WHEN TRYING TO CAPTURE CUSTOMERS FROM TWO ENTRANCES



PUCK DISPENSER

-HME FLUSH MOUNT PUCK DISPENSER

RIGHT OF THE KIOSK IF SPACE ALLOWS

KIOSK OR TO WALL BEHIND KIOSK

-HME FLUSH MOUNT PUCK DISPENSER -KIOSK PERPENDICULAR TO WALL

-FLUSH MOUNT PUCK DISPENSER PER KIOSK FACE

-TOP OF PUCK DISPENSER NEVER HIGHER THAN 48" AFF

-PUCK DISPENSER TO BE MOUNTED ON THE WALL OR

-PUCK LOCATOR TO ALWAYS BE MOUNTED 4" TO THE

\*DISPENSER MAY BE MOUNTED EITHER DIRECTLY TO

PLAN VIEW

-PUCK DISPENSER TO BE MOUNTED DIRECTLY TO

-DISPENSERS SHOULD ALWAYS BE MOUNTED ON KIOSK

PLAN VIEW

-BOTTOM OF SINGLE PUCK DISPENSER SHOULD NEVER BE LOWER THAN 27" AFF

LOCATION GUIDELINES

**GENERAL NOTES** 

PUCK LOCATION 'A'

PUCK LOCATION 'B'

KIOSK, BACK TO BACK

SIDE CLOSEST TO THE WALL

4'-0"

-KIOSK PARALLEL TO WALL

PARTITION BEHIND THE KIOSK

REQUIRED BY THESE AGENCIES FOR THEIR APPROVAL.

- A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM/INSTALLATION.
- MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
- ALL MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA, OR ANOTHER RECOGNIZED TESTING LABORATORY.
- THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND
- LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES, UTILITY COMPANIES, AND LOCAL CODE OFFICIALS, SHOP DRAWINGS AND/OR INSTALLATION DETAILS WHICH ARE
- 6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER, AND PROJECT MANAGER IN WRITING OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE. UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES, OR REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE FIRE PREVENTION BUREAU ALL DOCUMENTS, INCLUDING DRAWINGS AND SUBMITTALS, REQUIRED TO OBTAIN APPROVAL OF THE EMERGENCY LIGHTING, LIFE SAFETY, AND EXIT SIGN SYSTEM(S) FOR TYPES AND LOCATIONS. A COPY OF THE APPROVED DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- ALL NEW ELECTRICAL WORK OR MODIFICATIONS TO EXISTING ELECTRICAL DISTRIBUTION PANELS, PANELBOARDS, METERS, ETC. SHALL BE INSTALLED AS INDICATED ON THE ELECTRICAL CONSTRUCTION DOCUMENTS. E.C. SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT TO BE INSTALLED INDICATING FLOOR PLAN LAYOUT, FLEVATIONS, AND AL DIMENSIONS FOR APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION. CODE REQUIRED CLEARANCES IN FRONT OF ALL ELECTRICAL EQUIPMENT SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL INCLUDE IN BID AN ALLOWANCE FOR THE FOLLOWING ADDITIONAL LIFE SAFETY DEVICES. INCLUDING INSTALLATION AND ALL CONDUIT AND WIRE. FOR ADDITIONAL DEVICES AS MAY BE REQUIRED BY THE REVIEW OF THE AUTHORITY HAVING JURISDICTION.
  - (2) EXIT SIGN FIXTURES (2) EMERGENCY LIGHTING FIXTURES
  - CONTRACTOR SHALL PROVIDE A UNIT PRICE FOR EACH FOR QUANTITY ADJUSTMENT.
- 10. THE CONTRACTOR SHALL INCLUDE IN BID ELECTRICAL UNIT PRICES (EUP) TO PROVIDE ADDITIONAL LIFE SAFETY DEVICES WITHIN FINISHED CEILING SYSTEMS, INCLUDING ALL CONDUIT AND WIRE, FOR EACH TYPE OF DEVICE AS SCHEDULED IN NOTE NUMBER 9. THE UNIT PRICE SHALL INCLUDE ALL GENERAL CONTRACTOR ASSOCIATED COSTS TO INSTALL DEVICES WITHIN INSTALLED CEILING SYSTEMS.
- 11. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, MAKE A SCHEDULED ARRANGEMENT WITH THE PROJECT MANAGER TO VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.
- 12. THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND WIRING FOR THE PERFORMANCE OF ALL TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION AND SHALL REMOVE ALL TEMPORARY WIRING AT THE COMPLETION OF CONSTRUCTION. ALL COSTS FOR ESTABLISHING AND REMOVING TEMPORARY POWER SHALL BE INCLUDED IN BID.
- 13. THE EXISTING POWER, SIGNAL, AND COMMUNICATIONS SYSTEMS ARE TO REMAIN IN SERVICE TO PROVIDE FOR THE OWNER'S EXISTING FUNCTIONS. SHOULD IT BECOME NECESSARY TO SHUT-DOWN ANY SYSTEM OR PORTION OF A SYSTEM, APPROVAL IN WRITING MUST BE OBTAINED FROM THE PROJECT MANAGER AND SHALL BE ONLY FOR THE PERIOD AND TIME AGREED UPON. THE BID IS TO INCLUDE THE COST OF ANY TEMPORARY WIRING AND PREMIUM TIME REQUIRED FOR THE
- 14. ALL MATERIALS AND EQUIPMENT SHALL BE ERECTED, INSTALLED, TOOLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
- 15. ALL CUTTING, DRILLING, AND PATCHING OF MASONRY, DRYWALL, CONCRETE, STEEL, OR IRON WORK BELONGING TO THE BUILDING SHALL BE DONE BY THIS CONTRACTOR IN ORDER THAT WORK MAY BE PROPERLY INSTALLED. UNDER NO CONDITIONS MAY STRUCTURAL WORK BE CUT. EXCEPT AT THE DIRECTION OF THE ARCHITECT/ENGINEER OR THEIR REPRESENTATIVE.
- 16. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS, AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS (FOR EXAMPLE ALL LIGHTING FIXTURES). PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
- 17. SUBMIT FOUR (4) COPIES OF THE FOLLOWING SHOP DRAWINGS FOR REVIEW:
  - A. LIGHTING FIXTURES AND LAMPS B. WIRING DEVICES
  - C. LOW VOLTAGE RELAYS AND SWITCHES D. DIMMERS AND CONTROLS
- 18. CONTRACTOR SHALL PROVIDE "AS-BUILT" DOCUMENTATION AND HARD COPY REPRODUCIBLE DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMIT TO THE ARCHITECT AND THE ENGINEER. AS-BUILT DRAWINGS SHALL INDICATE EXACT CIRCUIT NUMBERS. LOCATIONS OF ALL DEVICES, CEILING FIXTURES, AND RACEWAY FOR LIGHTING, TELECOMMUNICATIONS AND POWER DISTRIBUTION SYSTEMS AS INSTALLED.
- 19. ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW AND OF COMMERCIAL GRADE UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED ON DRAWINGS.
- 20. EXCEPT AS NOTED OTHERWISE, ALL WORK REQUIRED FOR THE ELECTRICAL INSTALLATION AS SHOWN ON DRAWINGS SHALL INCLUDE ALL LABOR, INSTALLATION METHODS, EQUIPMENT, AND MATERIALS AND SHALL BE IN STRICT COMPLIANCE WITH ALL BUILDING STANDARDS.
- 21. PROVIDE A COMPLETE METAL RACEWAY SYSTEM, FITTINGS AND ENCLOSURES FOR ALL ELECTRICAL WIRING SYSTEMS TO BE INSTALLED FOR THE PROJECT. SYSTEMS SHALL INCLUDE, BUT NOT BE LIMITED TO POWER, COMMUNICATIONS, SECURITY, PAGING, TEMPERATURE CONTROL AND CONTROLS.
- 22. NOT USED.
- 23. MINIMUM CONDUIT SIZE SHALL BE 1/2 INCH FOR GENERAL LIGHTING AND POWER CIRCUITRY UNLESS OTHERWISE INDICATED AND/OR REQUIRED BY CODE.
- 24. FLEXIBLE CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE STEEL CONDUIT, 1/2 INCH MINIMUM, INCLUDING AN INSULATED COPPER GREEN EQUIPMENT GROUNDING CONDUCTOR OR SHALL BE MADE WITH METAL CLAD TYPE CABLE.
- 25. NOT USED.
- WIRE NUMBER 8 AND SMALLER FOR USE IN INTERIOR DRY LOCATIONS SHALL BE TYPE THWN THERMOPLASTIC 600 VOLT INSULATED COPPER CONDUCTORS. FEEDERS AND POWER WIRING NUMBER 6 AND LARGER SHALL BE TYPE THW 600 VOLT INSULATED COPPER. WIRE WHICH IS INSTALLED IN RACEWAY IN MOIST OR DAMP LOCATIONS SHALL BE THW, 600 VOLT INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NUMBER 12 AWG SHALL BE USED FOR LIGHTING
- 27. BRANCH CIRCUIT HOMERUN WIRING:

THE PANELBOARD CIRCUIT BREAKER.

A. GENERAL PURPOSE BRANCH CIRCUIT HOMERUNS CONSISTING OF TWO NETWORKS SHALL HAVE PHASE, NEUTRAL AND GROUND CONDUCTORS INCREASED TO NUMBER 10 AWG, THWN AS A MINIMUM. WHERE HOERUN (ONE OR MORE NETWORKS) EXCEEDS 100 LINEAR FEET, CONDUCTOR SIZE SHALL BE INCREASED ONE TRADE SIZE. B. ALL BRANCH CIRCUITS, FEEDERS, AND HOMERUNS SHALL BE PROVIDED WITH AN INSULATED COPPER GREEN GROUNDING CONDUCTOR ROUTED IN THE SAME CONDUIT. GROUNDING CONDUCTOR SHALL BE SIZED PER THE REQUIREMENTS OF NEC SECTION 250.

C. HOMERUN LENGTH SHALL BEGIN AT HE CENTRAL POINT OF ALL DISTRIBUTED CIRCUITS TO

- THE ELECTRICAL CONTRACTOR (E.C.) SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR 28. ALL NEW CIRCUIT BREAKERS FOR EXISTING PANELBOARDS AND DISTRIBUTION PANELBOARDS SHALL MATCH EXISTING BUILDING PANELBOARD MANUFACTURER AND CIRCUIT BREAKER TYPE ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE. AIC RATING OF NEW CIRCUIT BREAKER SHALL MATCH AIC RATING OF PANELBOARD IN WHICH IT IS INSTALLED. WHERE SERIES RATED TYPE CIRCUIT BREAKERS ARE USED, NEW CIRCUIT BREAKERS SHALL BE INSTALLED SO AS TO MAINTAIN THE UL SERIES RATING OF THE ENTIRE SYSTEM. THE CONTRACTOR SHALL PROVIDE A NEW TYPEWRITTEN PANEL DIRECTORY FOR EACH PANEL CHANGED AT THE COMPLETION OF THE PROJECT. EACH CIRCUIT BREAKER SHALL BE LABELED TO IDENTIFY LOAD TYPE AND LOCATION
  - 29. THE CONTRACTOR SHALL VERIFY THE CEILING CONSTRUCTION TYPE WITH ARCHITECTURAL DETAILS BEFORE ORDERING LIGHTING FIXTURES IN ORDER TO CONFIRM PROPER MOUNTING.
  - 30. EACH SWITCH, LIGHT, RECEPTACLE, OR OTHER MISCELLANEOUS DEVICE SHALL BE PROVIDED WITH A GALVANIZED OR SHERARDIZED PRESSED STEEL OUTLET BOX OF THE KNOCKOUT TYPE. OF NOT LESS THAN NUMBER 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCKNUTS AND BUSHINGS AND ALL UNUSED KNOCKOUTS SHALL BE LEFT SEALED. THERE SHALL BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
  - 31. NOT USED
  - 32. IN SUSPENDED CEILINGS, SUPPORT CONDUITS AND JUNCTION BOXES DIRECTLY FROM THE STRUCTURAL SYSTEM, DECK OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SUPPORT WIRES OR SPLINE UNLESS THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE AND APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND THE ENGINEER.
  - 33. E.C. SHALL PROVIDE "3M" FIRESEAL SYSTEMS FOR ALL CORES AND RACEWAY PENETRATIONS IN FIRE RATED WALLS AND PARTITIONS. FIRE RATE WALL AND CEILING PENETRATIONS. ETC. USING "CP-25" CAULK, "303" PUTTY AND/OR "FLAMESEAL" PUTTY AS PER MANUFACTURER'S INSTRUCTIONS TO MAINTAIN EXISTING AND NEW FIRE RATINGS. VERIFY FIRE RATING CONDITIONS AND LOCATIONS PRIOR TO FINAL BIDS. ALL OPEN SLEEVE PENETRATIONS SHALL BE FIRESEALED INSIDE AND OUTSIDE BY E.C. AFTER ALL CABLING IS COMPLETELY INSTALLED. SEALING METHODS SHALL BE PROVIDED BY E.C. AND SHALL BE SUBJECT TO THE APPROVAL OF THE CABLING CONTRACTOR.
  - 34. NOT USED
  - 35. NOT USED
  - 36. NUMBERED CIRCUITS SHOWN ON PLAN ARE FOR THE CONVEYANCE OF DESIGN INTENT ONLY. ACTUAL FIELD CONDITIONS WILL AFFECT CIRCUITRY. INDICATE THE ACTUAL CIRCUIT NUMBERS INSTALLED ON THE "AS-BUILT" DRAWINGS.
  - BUILDING STANDARDS
  - A. ALL NEW CONDUIT RACEWAYS AND BOXES FOR ALL SYSTEMS SHALL BE INSTALLED TIGHT-UP TO THE BOTTOM OF THE STRUCTURAL BEAMS WHERE REQUIRED AND PROPERLY SUPPORTED FROM STRUCTURAL MEMBERS.
    - B. ALL NEW CONDUIT RUNS SHALL BE INSTALLED ABOVE AND OVER THE TOP OF ALL NEW AND/OR EXISTING DUCTWORK, PIPING, CONDUITS, PULLBOXES, ETC. E.C. SHALL PROVIDE ALL NECESSARY ACCESSIBLE PULLBOXES. CONDUIT BENDS SHALL NOT EXCEED CODE REQUIREMENTS WITHIN A SINGLE RUN. E.C. SHALL PROVIDE ALL PULLBOXES AS REQUIRED.
    - C. NEW CONDUIT RUNS OR PULLBOXES SHALL NOT BE INSTALLED LESS THAN 2 INCHES ABOVE RECESSED LIGHTING FIXTURES UNLESS APPROVED BY THE ENGINEER.
    - D. NEW CONDUIT RUNS OR PULLBOXES SHALL NOT BLOCK OR PREVENT FULL AND COMPLETE ACCESS AND OPERATION OF NEW OR EXISTING HVAC EQUIPMENT, ACCESS DOORS, PIPING VALVES, JUNCTION BOXES, DUCT HEATERS, MAIN SUPPLY AND RETURN AIR DUCTS, PULLBOXES, CLEANOUTS, ETC.
  - E. NEW CONDUIT AND PULLBOXES TO BE INSTALLED BELOW NEW OR EXISTING DEUCTWORK SHALL BE MOUNTED TIGHT UP TO BOTTOM OF DUCT WITH 90 DEGREE BENDS UP SIDEWALL OF DUCT TO MEET REQUIREMENTS OF LETTER C ABOVE. SUPPORTS SHALL NOT PRENETRATE DUCTWORK, AND SHALL BE INDEPENDENT OF ALL DUCTWORK SUPPORTS. DIRECT CONTACT OF CONDUIT RACEWAY SYSTEMS WITH DUCTWORK OR PIPING SHALL BE PROVIDED WITH VIBRATION SEPARATION METHOD APPROVED BY THE ENGINEER.
  - F. NEW CONDUIT AND BOXES TO BE INSTALLED WITHIN ALL EXISTING FINISHED BUILDING DRYWALL, FURRED BUILDING WALLS, PARTITIONS, AND COLUMNS SHALL BE INSTALLED WITH EMT AND FLEXIBLE RACEWAYS NOT MORE THAN 6'-0" LONG. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL COSTS FOR DRYWALL ACCESS, CUTTING, PATCHING, PAINTING, ETC. IN BIDS FOR SUCH CONDITIONS. FIELD VERIFY ALL LOCATIONS ON SITE PRIOR TO FINAL BIDS. EXCEPTIONS DURING BIDS SHALL BE SUBMITTED IN WRITING.
  - G. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE HELD RESPONSIBLE TO HAVE EXAMINED THE CONSTRUCTION SITE WITH RESPECT TO CONSTRUCTION DRAWINGS, ACTUAL FIELD CONDITIONS, DOOR FRAME HEIGHTS, PIPING OBSTRUCTIONS, DUCTWORK HEIGHTS AND LEVELS, FLOOR LEVELS, CEILING HEIGHTS, ETC. PRIOR TO FINAL BIDS.
  - H.ALL NEW BUILDING STANDARD EQUIPMENT, DEVICES, AND MATERIALS SHALL BE EQUAL TO OR GREATER IN QUALITY TO EXISTING APPROVED BUILDING STANDARD MATERIALS PRESENTLY INSTALLED IN BUILDING. EQUIPMENT, DEVICES AND MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, PROJECT MANAGER, AND THE ENGINEER.
  - I. ALL EMERGENCY AND EXIT SIGN JUNCTION BOXES SHALL BE PAINTED RED. PANEL TAG AND CIRCUIT NUMBER FOR ALL WIRING WITHIN JUNCTION BOX SHALL BE INDICATED ON
  - J. ALL JUNCTION BOXES SERVING LIGHTING AND POWER SHALL HAVE CIRCUIT NUMBERS AND PANEL TAGS FOR ALL WIRING WITHIN JUNCTION BOX SHALL BE INDICATED ON COVERS.
  - 38. A NEW PANELBOARD COPPER GROUND BUS SHALL BE INSTALLED FOR EQUIPMENT GROUNDING REQUIREMENTS FOR ALL PANELBOARDS LACKING A GROUND BUS.
  - 39. PERFORM ALL WORK OF A DEMOLITION NATURE THAT MAY BE REQUIRED OR NECESSARY FOR THE FULL AND COMPLETE EXECUTION OF THE WORK, WHETHER EXPLICITLY SHOWN AND/OR SPECIFIED OR NOT. EXACT EXTENT OF DEMOLITION WILL NOT BE FULLY INDICATED BY DRAWINGS. DETERMINE THE NATURE AND EXTENT OF DEMOLITION THAT WILL BE NECESSARY BY COMPARING THE CONTRACT DOCUMENTS WITH ARCHITECTURAL AND DEMOLITION DRAWINGS TO EXISTING CONDITIONS. ELECTRICAL EQUIPMENT WHICH WILL NOT BE REUSED SHALL BE TURNED OVER TO THE OWNER OR REMOVED FROM THE PREMISES AS DETERMINED BY THE PROJECT MANAGER.
  - 40. ANY EXISTING ELECTRICAL MATERIAL AND EQUIPMENT WHICH INTERFERES WITH THE NEW ADDITION OR THE REMOVAL OF EXISTING WALLS SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR. VERIFY REMOVAL AND NEW LOCATION OF EQUIPMENT WITH THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER PRIOR TO WORK.
  - 41. VERIFY CLEARANCES FOR ALL NEW OR EXISTING RELOCATED ELECTRICAL WORK BEFORE PROCEEDING WITH CONSTRUCTION. COORDINATE USAGE OF AVAILABLE SPACE WITH ALL TRADES. IN THE EVENT OF CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE
  - 42. WHERE EXISTING CONDUIT IS SHOWN ON THE DRAWINGS, IT IS SHOWN DIAGRAMMATICALLY. THE EXACT ROUTING OF THE EXISTING CONDUIT SHALL BE DETERMINED ON THE JOB SITE BY THE CONTRACTOR.
  - 43. NOT USED
  - 44. ALL HANGER AND/OR ROD SUPPORT SYSTEMS SHALL BE SUPPORTED TO THE BOTTOM RIB OF THE METAL DECK, WHERE APPLICABLE.
  - 45. PROVIDE A WRITTEN GUARANTEE THAT THE ELECTRICAL INSTALLATION IS FREE FROM MECHANICAL AND ELECTRICAL DEFECTS. CONTRACTOR AT THEIR COST SHALL REPLACE AND/OR REPAIR, TO THE SATISFACTION OF THE OWNER AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, ANY PARTS OF THE INSTALLATION WHICH MAY FAIL WITHIN A PERIOD OF 12 MONTHS FROM CONSTRUCTION ACCEPTANCE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PROVIDED THAT SUCH FAILURE IS DUE TO DEFECTS IN MATERIAL, WORKMANSHIP, OR FAILURE TO FOLLOW THE SPECIFICATIONS, MANUFACTURER'S INSTALLATION INSTRUCTIONS AND/OR DRAWINGS.

- 46. CONTRACTOR SHALL PROVIDE ALL NECESSARY PROPERLY SIZED WALL OR MILLWORK MOUNTED BOXES, RINGS, SUPPORTS, AND DEVICES AS REQUIRED VIA COORDINATION WITH ARCHITECTURAL
- 47. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE DRAWINGS. WHERE MORE STRINGENT REQUIREMENTS THAN THOSE DESCRIBED HEREIN OR AS SET FORTH UNDER CODES. LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION, THOSE GREATER REQUIREMENTS SHALL BE ADHERED TO.
- 48. ALL NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS SHALL BE PROVIDED WITH AN INTEGRAL EMERGENCY BACKUP BALLAST TO ILLUMINATE THE FIXTURES IN THE EVENT OF A POWER FAILURE. ALL COMPONENTS SHALL BE IN COMPLIANCE WITH NFPA 101 AND NFPA 70 SECTION700. BALLAST BATTERY SHALL MAINTAIN 87.5% OF THE NOMINAL BATTERY VOLATAGE AFTER 1.5 HOURS TO COMPLY WIT HNEC SECTION700 AND UL 924.
- 49. IDENTIFICATION OF ELECTRICAL ITEMS

WALL SECTIONS, AND MILLWORK DETAILS.

- A. PROVIDE PERMANENT IDENTIFICATION MARKING AND NAMEPLATES FOR ALL CONDUCTORS AND EACH ITEM OF ELECTRICAL APPARATUS AND ASSOCIATED CONTROLLED EQUIPMENT, WITH THE SAME INSCRIPTIONS AS SHOWN ON THE DRAWINGS. ALL IDENTIFICATION MARKINGS SHALL BE CLEARLY AND NEATLY APPLIED.
- B. APPLY ENGRAVED PLASTIC LAMINATE NAMEPLATES WITH NON-CORRODING TYPE SCREW FASTENERS OR RIVETS TO ALL MOTOR STARTERS, DISCONNECT SWITCHES, RELAYS, REMOTE CONTROL PANELS, PUSH BUTTON STATIONS, PANELBOARDS, SWITCHBOARDS, TRANSFORMERS, AND OTHER ELECTRICAL APPARATUS. NAMEPLATES SHALL BE WHITE WITH BLACK CORE, 1-1/4" X 3" MINIMUM WITH 3/16" HIGH LETTERING. THE NAMEPLATE SHALL IDENTIFY: -NAME OF DEVICE OR -LOAD THE DEVICE IS SERVING
- C. PROVIDE A TYPEWRITTEN DIRECTORY OF CIRCUITS IN LIGHTING AND POWER PANELS AND PROVIDE PANEL IDENTIFICATION IN BLACK ALKYD PAINT STENCILED INSCRIPTIONS ON THE INSIDE OF THE DOOR, DIRECTLY ABOVE THE CENTERLINE OF THE DIRECTORY FRAME, OR ON THE VERTICAL AND HORIZONTAL CENTERLINE OF DOORS WITHOUT DIRECTORY FRAMES.
- D. PROVIDE ON DEVICE PLATES FOR LOCAL TOGGLE SWITCHES, TOGGLE SWITCH MANUAL STARTERS, PILOT LIGHTS AND OTHER ELECTRICAL ITEMS, WHOSE FUNCTION IS NOT READILY APPARENT. ENGRAVED SUITABLE INSCRIPTIONS OR PLASTIC LAMINATE NAMEPLATES DESCRIBING THE EQUIPMENT CONTROLLED OR INDICATED.
- E. EMBOSSED SELF-ADHERING PLASTIC TAPE LABELS WILL NOT BE ACCEPTED.
- 50. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL EXISTING OR NEW NON-ACCESSIBLE SYSTEM DEVICES, PULLBOXES, AND EQUIPMENT, ETC. FOR RELOCATION TO ACCESSIBLE CEILING AREAS. E.C. SHALL INCLUDE ALL COMPLETE COSTS FOR RELOCATION AND VERIFY SUCH CONDITIONS WITH ARCHITECTURAL CEILING PLANS PRIOR TO FINAL BIDS.
- 51. EXISTING CONDITIONS OF ALL EXISTING BUILDING EQUIPMENT, DEVICES, FIXTURES, AND SYSTEMS THAT REQUIRE REWIRING, REUSE, RELOCATION, OR REFURBISHING AS PER DRAWINGS AND SPECIFICATIONS SHALL BE FIELD VERIFIED BY THE E.C. PRIOR TO COMMENCEMENT OF ANY WORK TO BE COMPLETELY OPERATIONAL. E.C. SHALL SUBMIT A WRITTEN STATEMENT AND ITEMIZED LISTING OF ALL EXISTING CONDITIONS OF THE FOLLOWING, ALTHOUGH NOT LIMITED TO THOSE
- A. HVAC EQUIPMENT B. EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES C. LIFE SAFETY/FIRE ALARM SYSTEM DEVICES

D. LIGHTING AND RECEPTACLE DEVICES.

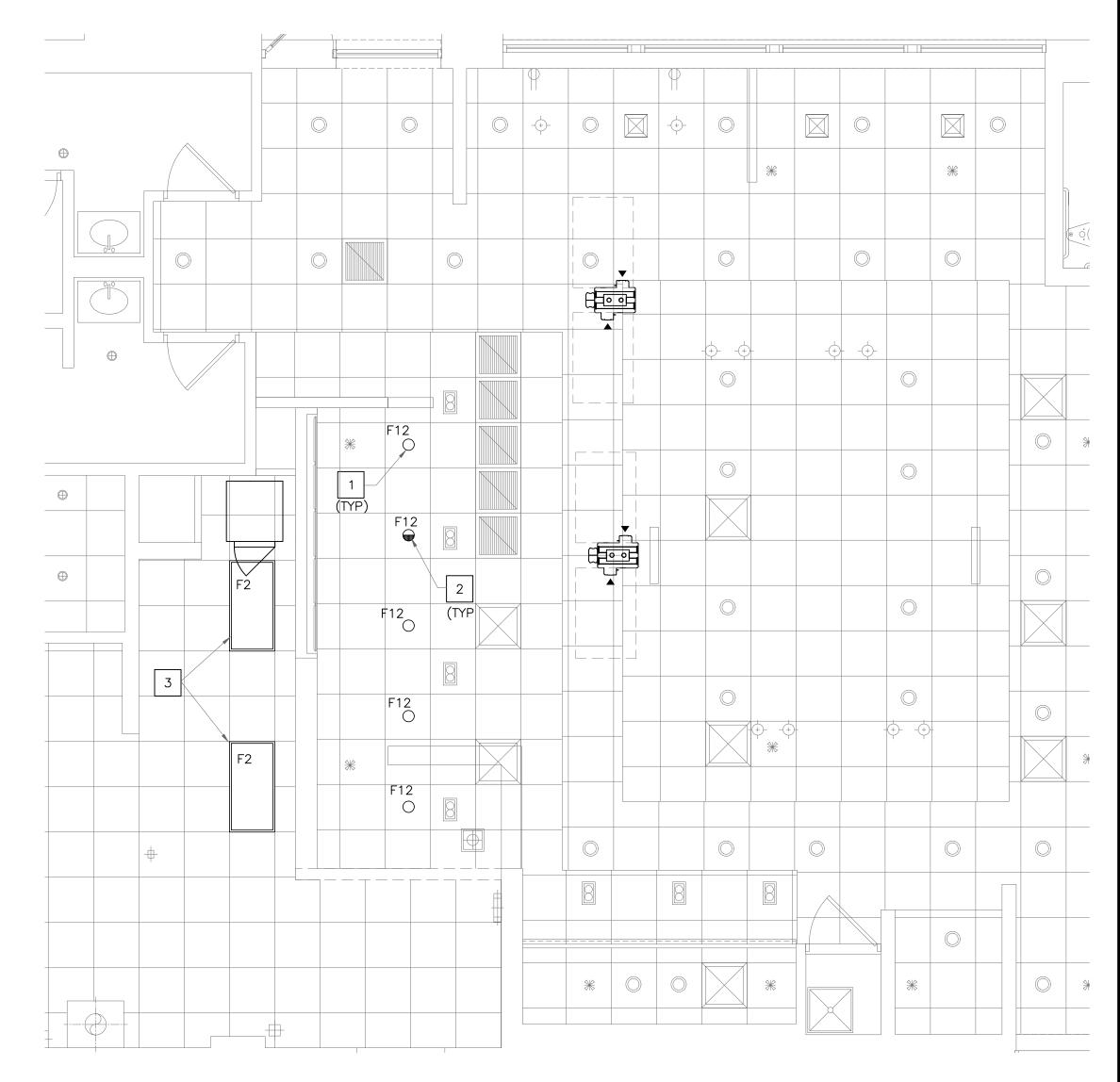
- THE WRITTEN STATEMENT SHALL BE SUBMITTED TO THE PROJECT MANAGER, ARCHITECT, AND ENGINEER PRIOR TO WORK. IN THE EVENT THAT THE CONTRACTOR COMMENCES WORK WITHOUT SUBMITTAL, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY AND COST TO MAINTAIN THE ABOVE IN GOOD WORKING ORDER AND CONDITION.
- 52. E.C. SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL EELECTRICAL AND COMMUNICATIONS OUTLETS. ELECTRICAL ENGINEERING DRAWINGS SHALL BE USED FOR CIRCUITING INFORMATION ONLY.
- 53. E.C. SHALL REFER TO MECHANICAL AND PLUMBING ENGINEERING DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT.

# LIGHTING FIXTURE SCHEDULE:

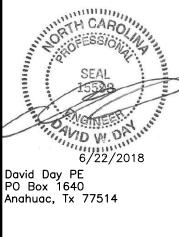
	MADIC	CXMDCI	DECODIDATION	רוכבו	LAMPS			MOLINITINIO	MANUFACTURER AND	
Ν,	MARK	SYMBOL	DESCRIPTION	DIFFUSER	WATTS	TYPE	BALLASI	MOUNTING	CATALOG NUMBER	
L	F2		2' X 4' GRID TROFFER	PRISMATIC ACRYLIC	45W	LED	_	RECESSED	SECURITY LIGHTING: # SLLJT24-35MLG-FSA12-EU-WP	
Γ	F12	0	6" LED DOWN LIGHT	_	12W	LED		RECESSED	SECURITY LIGHTING #LB6LEDA10L-35K-9-SA/DBXQL	

### KEY NOTES

- RELOCATE EXISTING RECESSED DOWN LIGHTS TO NEW CONFIGURATION AS INDICATED. REUSE ALL EXISTING CIRCUITS AND CONTROLS. VERIFY ALL CONDITIONS IN FIELD.
- RELOCATE EXISTING CEILING MOUNTED INTERIOR EMERGENCY EGRESS 2 | LIGHTING .REUSE EXISTING CONTROLS ,CIRCUITING AND EMERGENCY POWER SOURCE. CEILING MOUNTED FIXTURES TO BE USED AS NIGHT LIGHTS . VERIFY ALL CONDITIONS IN FIELD.
- REMOVE EXISTING FLUORESCENT FIXTURE AND REPLACE WITH NEW LED FIXTURE AS SCHEDULED. REUSE EXISTING KITCHEN CIRCUITS AND CONTROLS. VERIFY ALL CONDITIONS IN FIELD.







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ELECTRICAL DETAILS

