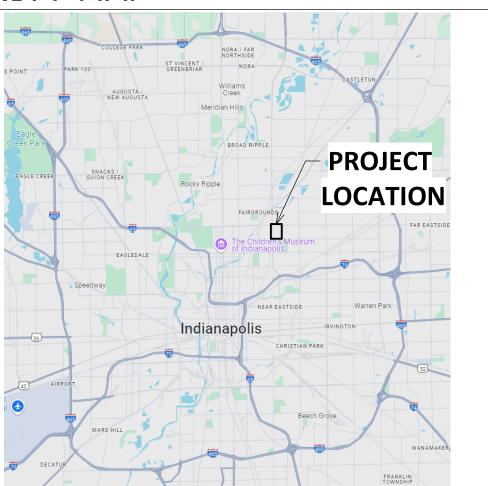
# INDIANAPOLIS PUBLIC SCHOOLS IPS 69 - JOYCE KILMER

## 3421 N KEYSTONE AVE. INDIANAPOLIS, INDIANA

VICINITY MAP



SITE LOCATION



PROJECT INFORMATION AND SUMMARY



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		•		CG-102	GRADING PLAN
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		•		S524 S700	FRAMING SCHEDULES, SECTIONS, DETAILS SPECIAL INSPECTIONS
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$\dashv$				EL-111A EL-111B	01 FLOOR LIGHTING PLAN - AREA B
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	•	•		EL-112A	02 FLOOR LIGHTING PLAN - AREA A
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	•	•		T-000	SYMBOLS AND ABBREVIATIONS
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		•		1-506	HECHNOLOGY DETAILS
		•		T-506 T-507	TECHNOLOGY DETAILS TECHNOLOGY DETAILS

PROJECT TEAM

<u>OWNER</u>

myFS

**OWNER'S REPRESENTATION** 

JS HELD

120 E. Walnut St. Indianapolis, IN 46204 P: (317) 226-4000

429 N Pennsylvania St. Suite 304 Indianapolis, IN 46204 P: (317) 981-7257

Perkins&Will

410 N. Michigan Ave. **Suite 1600** Chicago, Illinois 60611 P: (312) 755-0770

**ARCHITECTURE & INTERIOR DESIGN** 

25 N Pine St. Suite B Indianapolis, IN 46202 P: (317) 926-1820

**INTERIOR DESIGN** 

Relo Design

7222 N Shadeland Ave. **Suite 170** Indianapolis, IN 46250 P: (317) 202.0000

**CIVIL AND STRUCTURAL ENGINEER** 



8840 Allison Pointe Blvd. Suite 425 Indianapolis, IN 46250 P: (317) 661-1964

MECHANICAL, ELECTRICAL & **PLUMBING ENGINEER** 



275 Veterans Way Suite 300 **Carmel, IN 46032** P: (317) 344-8044

**KITCHEN CONSULTANT** 



**302 North East Street Studio One** Indianapolis, IN 46202 P. (317) 637-3204

**CODE CONSULTANT** 

RTM CONSULTANTS, INC.

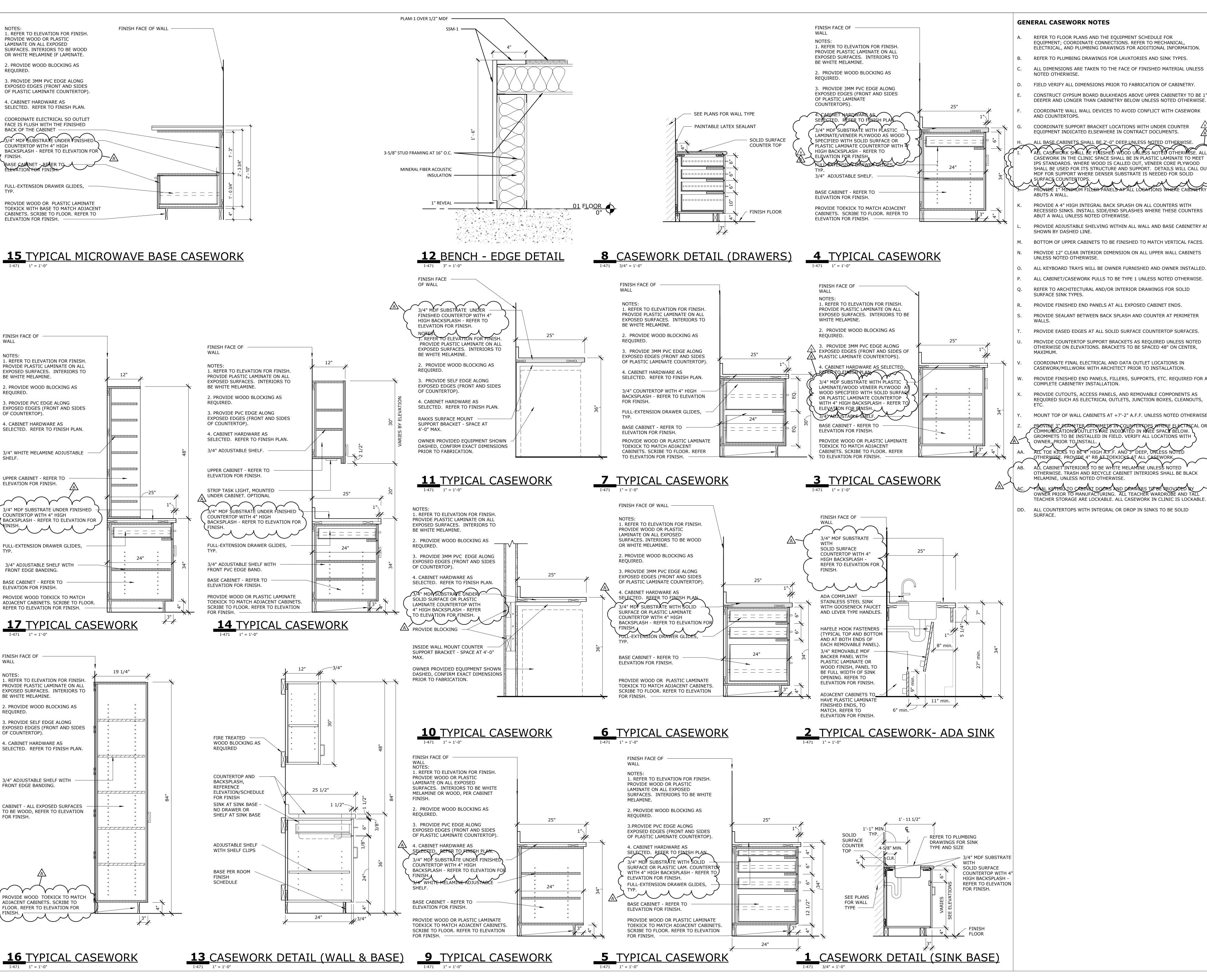
6640 Parkdale Place Suite J Indianapolis, IN 46245 P. (317) 329-7700

01/17/2025 PROJECT NO.: P23-0116 **COVER SHEET** G-000

95% CD SET 100% CD SET

B ADD #2

Date
12-18-24
01-17-25
02-17-25



- ALL DIMENSIONS ARE TAKEN TO THE FACE OF FINISHED MATERIAL UNLESS
- CONSTRUCT GYPSUM BOARD BULKHEADS ABOVE UPPER CABINETRY TO BE 1 DEEPER AND LONGER THAN CABINETRY BELOW UNLESS NOTED OTHERWISE.

CASEWORK IN THE CLINIC SPACE SHALL BE IN PLASTIC LAMINATE TO MEET IPS STANDARDS. WHERE WOOD IS CALLED OUT, VENEER CORE PLYWOOD SHALL BE USED FOR ITS STRUCTURE AND SUPPORT. DETAILS WILL CALL OU

RECESSED SINKS. INSTALL SIDE/END SPLASHES WHERE THESE COUNTERS

PROVIDE ADJUSTABLE SHELVING WITHIN ALL WALL AND BASE CABINETRY AS

- BOTTOM OF UPPER CABINETS TO BE FINISHED TO MATCH VERTICAL FACES. PROVIDE 12" CLEAR INTERIOR DIMENSION ON ALL UPPER WALL CABINETS
- ALL KEYBOARD TRAYS WILL BE OWNER FURNISHED AND OWNER INSTALLED. ALL CABINET/CASEWORK PULLS TO BE TYPE 1 UNLESS NOTED OTHERWISE
- PROVIDE EASED EDGES AT ALL SOLID SURFACE COUNTERTOP SURFACES. PROVIDE COUNTERTOP SUPPORT BRACKETS AS REQUIRED UNLESS NOTED
- REQUIRED SUCH AS ELECTRICAL OUTLETS, JUNCTION BOXES, CLEANOUTS,

LANDSCAPE, INTERIOR DESIGN, URBAN PLANNING 25 NORTH PINE STREET, SUITE B INDIANAPOLIS, IN 45202 INFO@METICULOUSDA.COM 317.926.1820

**ARCHITECTURAL PARTNER PERKINS & WILL** 410 N. MICHIGAN AVE **SUITE 1600** 

CHICAGO, IL 60611 v. (312) 755-0770 **CIVIL & STRUCTURAL ENGINEER:** 

8840 ALLISON BLVD SUITE 425 INDIANAPOLIS, IN 46250 v. (317) 661-1964

MECH. / ELECT. / PLUMB. /

FIRE PROT. ENGINEER: **KBSO CONSULTING** 275 VETERANS WAY SUITE 300

CARMEL. IN 46032 v. (317) 344-8044

INTERIOR DESIGNERS

**RELO DESIGN** 7222 N Shadeland Ave. Suite 170 Indianapolis, IN 46250 P: (317) 202.0000

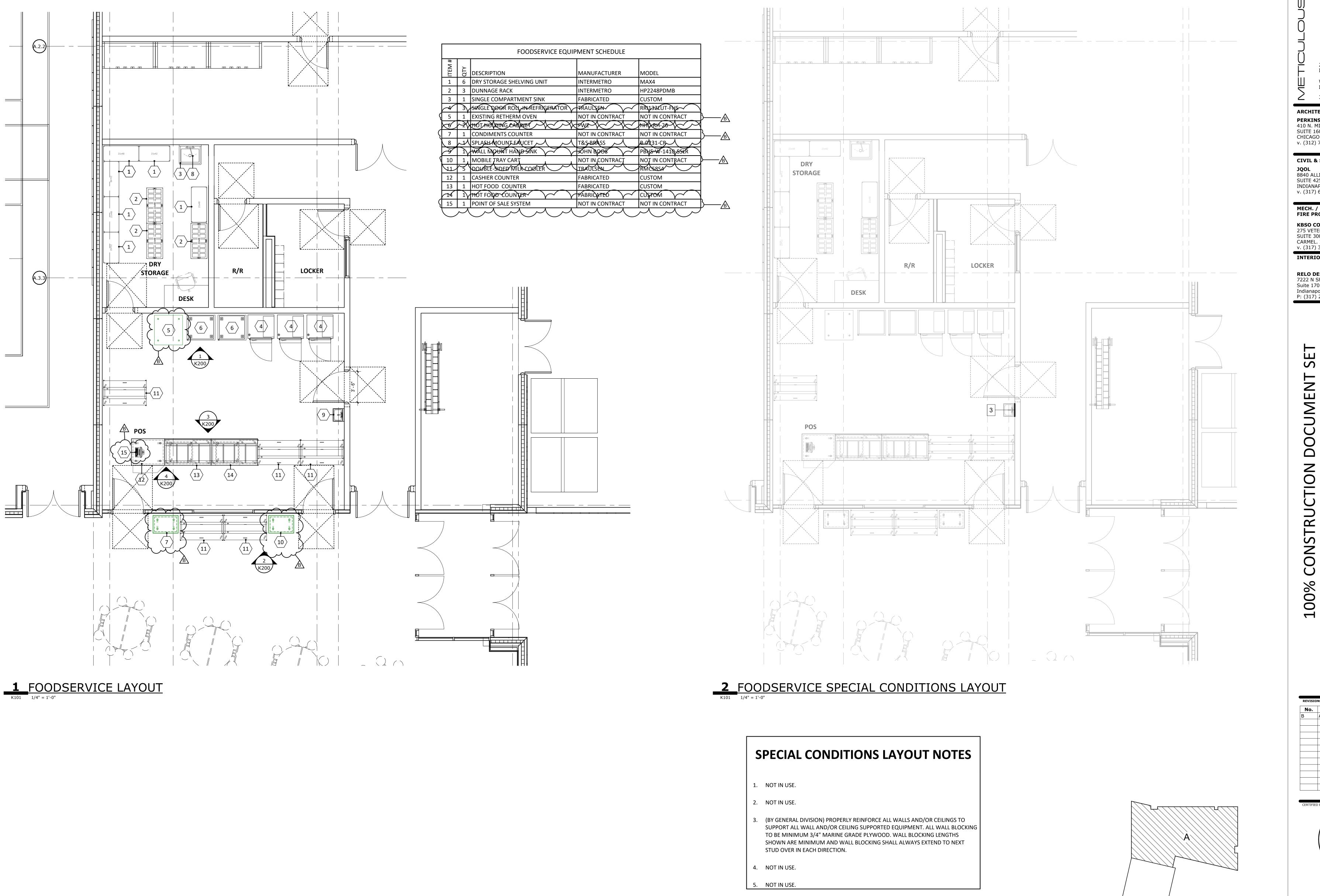
95% CD SET 100% CD SET ADD #1 02-10-25 ADD #2

No. AR10600160

01/17/2025 JAM/PW P23-0116

**CASEWORK DETAILS** 

I-471



KEY PLAN - NOT TO SCALE

LANDSCAPE, INTERIOR DESIGN, URBAN PLANNING 25 NORTH PINE STREET, SUITE B INDIANAPOLIS, IN 45202 WWW.METICULOUSDA.COM INFO@METICULOUSDA.COM 317.926.1820

> ARCHITECTURAL PARTNER **PERKINS & WILL** 410 N. MICHIGAN AVE SUITE 1600 CHICAGO, IL 60611

v. (312) 755-0770 **CIVIL & STRUCTURAL ENGINEER:** 

8840 ALLISON BLVD INDIANAPOLIS, IN 46250 v. (317) 661-1964

MECH. / ELECT. / PLUMB. / FIRE PROT. ENGINEER:

**KBSO CONSULTING** 275 VETERANS WAY SUITE 300 CARMEL. IN 46032

v. (317) 344-8044 INTERIOR DESIGNER:

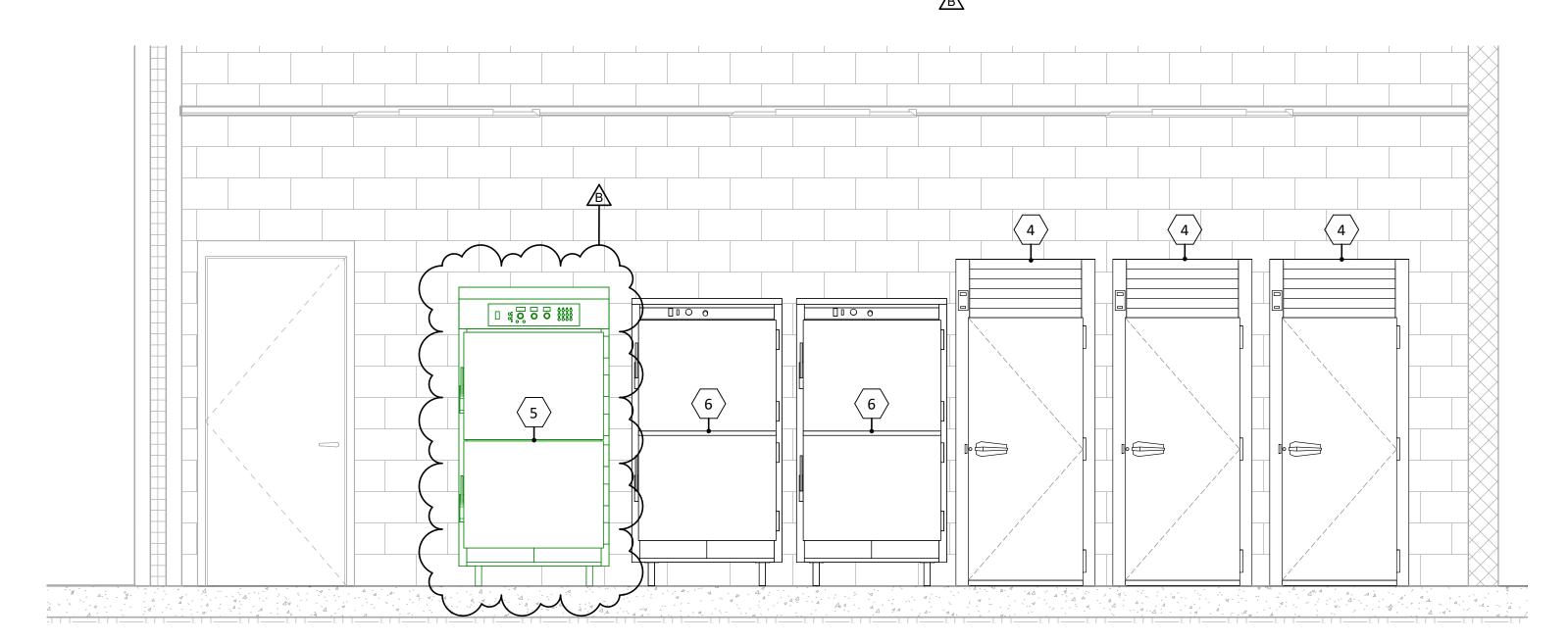
**RELO DESIGN** 7222 N Shadeland Ave. Suite 170 Indianapolis, IN 46250

P: (317) 202.0000

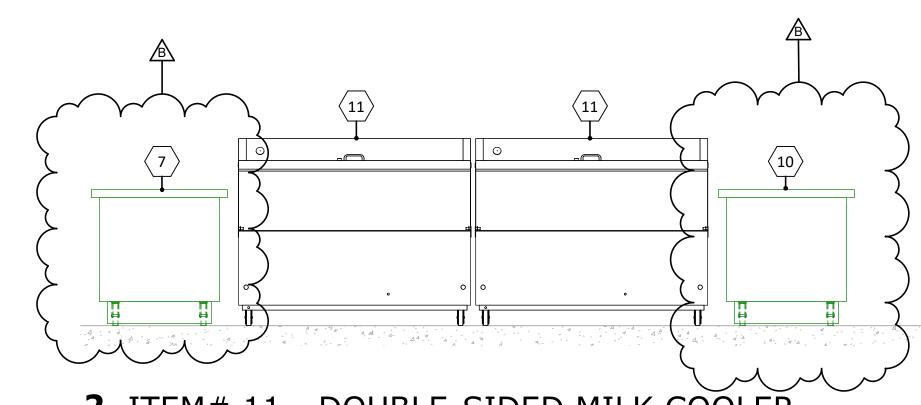


FOODSERVICE LAYOUT

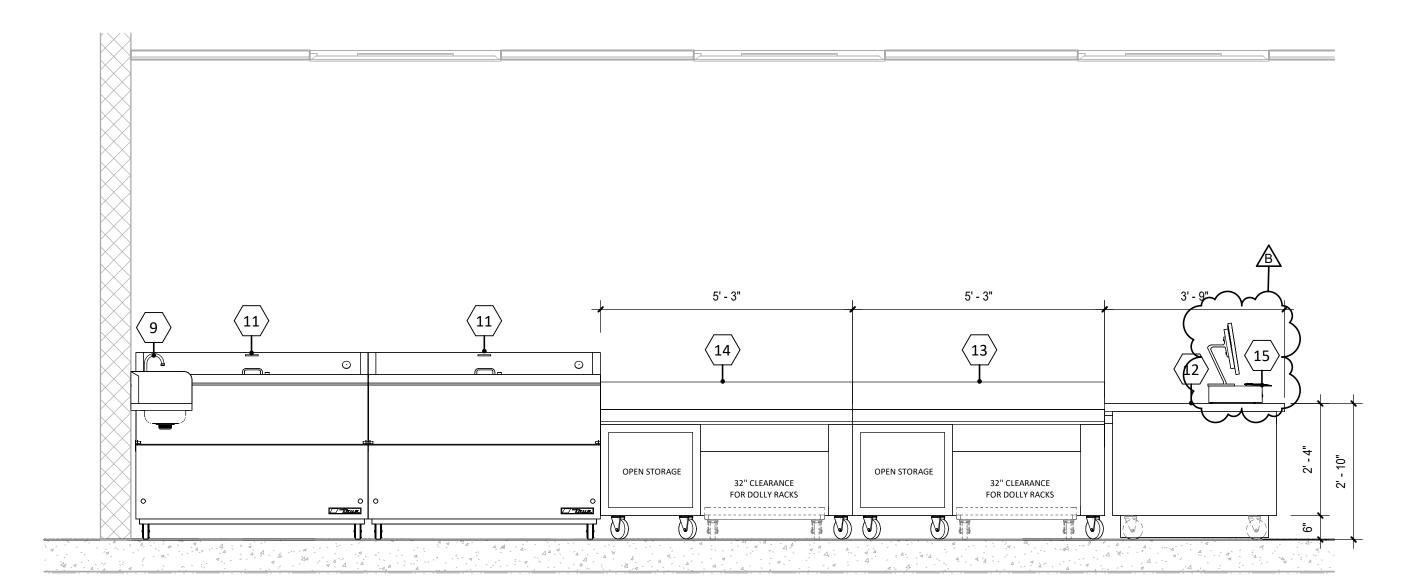
K101



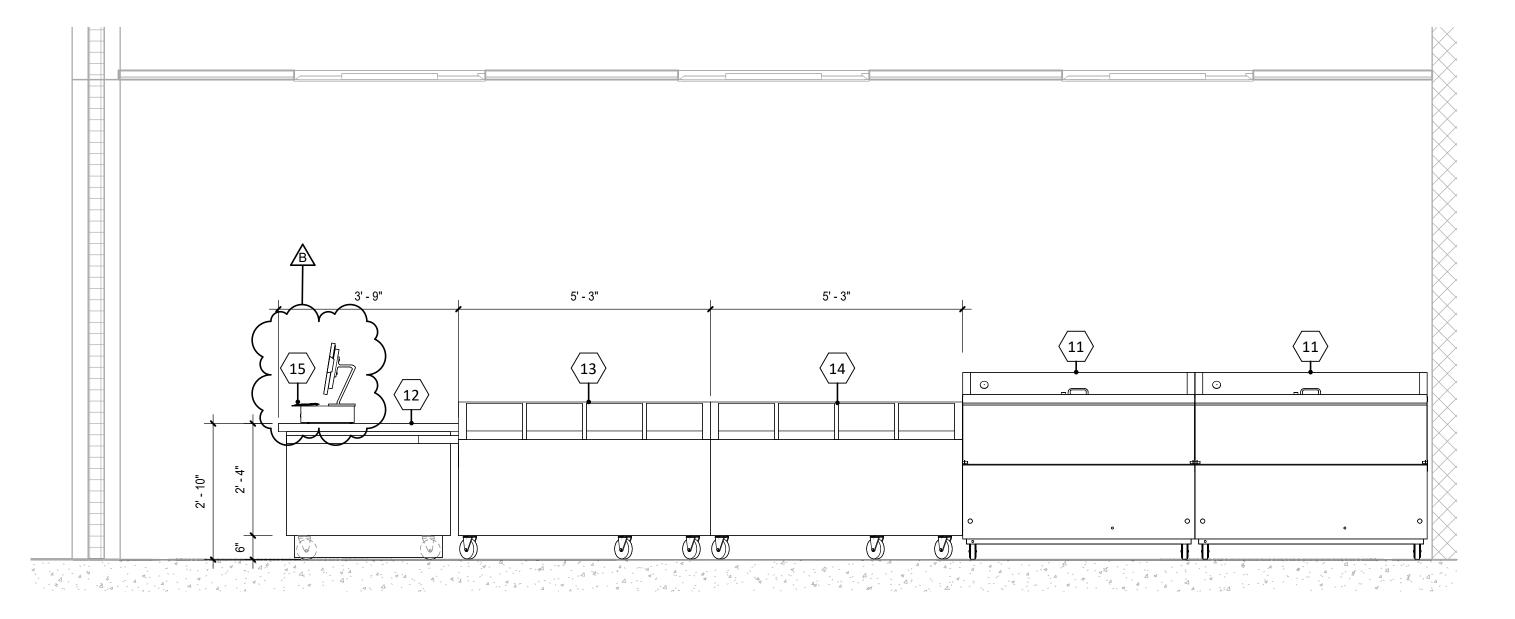
1 ITEM# 4 - SINGLE DOOR ROLL-IN REFRIGERATOR



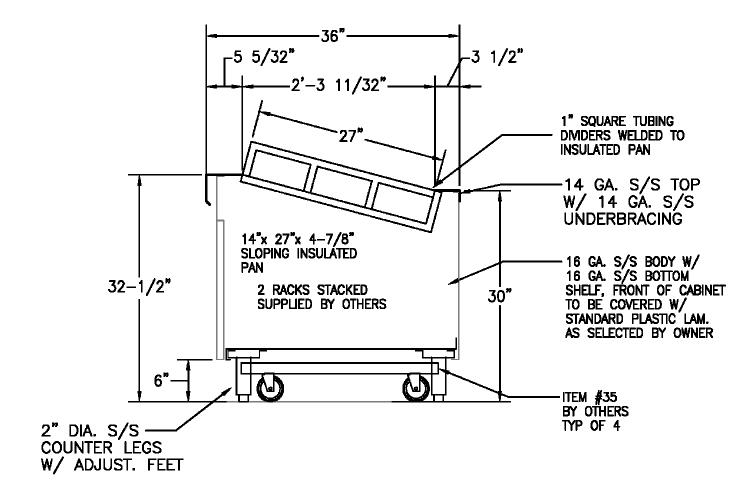
2 ITEM# 11 - DOUBLE-SIDED MILK COOLER



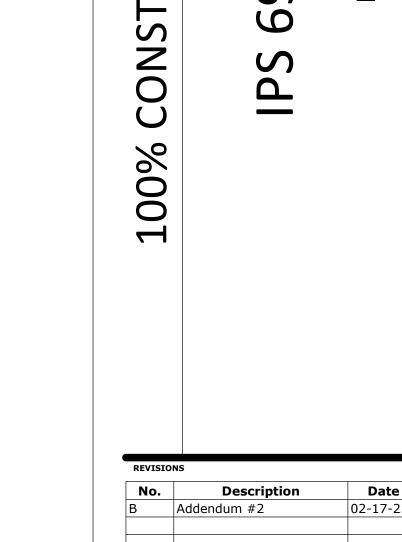
3 ITEM# 13-14 - HOT FOOD COUNTER BACK VIEW



4 ITEM# 13-14 - HOT FOOD COUNTER FRONT VIEW



5 SECTION @ ITEM# 13-14 - HOT FOOD COUNTER



P23-0116

**FOODSERVICE** 

**EQUIPMENT** 

**SCHEDULE** 

K200

LANDSCAPE, INTERIOR DESIGN, URBAN PLANNING

25 NORTH PINE STREET, SUITE B

INDIANAPOLIS, IN 45202

WWW.METICULOUSDA.COM

INFO@METICULOUSDA.COM

317.926.1820

ARCHITECTURAL PARTNER

CIVIL & STRUCTURAL ENGINEER:

**PERKINS & WILL** 

CHICAGO, IL 60611

v. (312) 755-0770

8840 ALLISON BLVD

v. (317) 661-1964

**KBSO CONSULTING** 275 VETERANS WAY

**INTERIOR DESIGNER:** 

7222 N Shadeland Ave.

Indianapolis, IN 46250 P: (317) 202.0000

CARMEL. IN 46032 v. (317) 344-8044

**RELO DESIGN** 

Suite 170

S

SUITE 300

INDIANAPOLIS, IN 46250

MECH. / ELECT. / PLUMB. / FIRE PROT. ENGINEER:

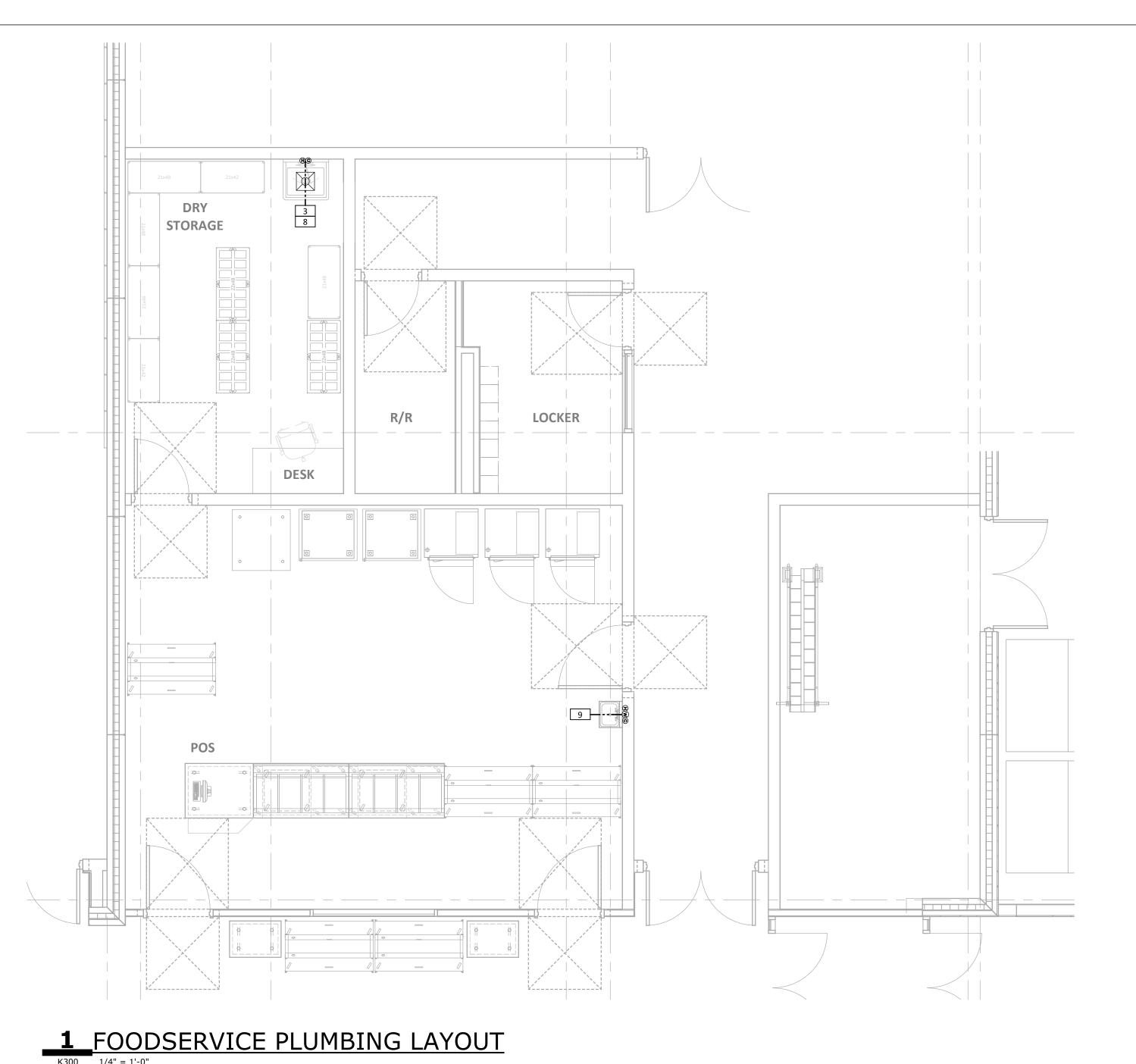
SUITE 1600

410 N. MICHIGAN AVE

	PLUMBING LEGEND
$\Theta$	SINGLE HOT WATER CONNECTION
©	SINGLE COLD WATER CONNECTION
BC)	HOT & COLD WATER CONNECTION
<b>w</b>	DIRECT WASTE CONNECTION
	INDIRECT FLOOR DRAIN
	INDIRECT 12"x12" FLOOR SINK
	INDIRECT 12"x12" FLOOR SINK WITH HALF GRATE
G	GAS CONNECTION
$\bigcirc$	REFER TO SHEET K400 OR K500 FOR MORE INFORMATION ON THIS EQUIPMENT

#### **PLUMBING NOTES**

- FOODSERVICE SPOT LOCATION SCHEDULES & DRAWINGS ARE FOR REFERENCE AND BIDDING PURPOSES, TO BE USED ONLY AS A GUIDE FOR FOOD SERVICE EQUIPMENT ELECTRICAL, PLUMBING & VENTILATION SPOT LOCATIONS AND ARE NOT APPROVED FOR USE ON THE JOBSITE FOR ROUGH-IN PURPOSES. THE KITCHEN EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING HIS/HER OWN ROUGH-IN SCHEDULES & DRAWINGS SHOWING ACCURATE LOCATIONS FOR UTILITIES AND WORK TO BE INSTALLED IN ACCORDANCE WITH ALL FEDERAL, STATE & LOCAL CODES.
- ALL SPOT LOCATIONS SHOWN ON THESE DRAWINGS ARE SPECIFIC TO THE EQUIPMENT SHOWN ON THE FOODSERVICE EQUIPMENT PLAN. REFER TO ARCHITECTURAL & PLUMBING DRAWING SETS FOR ADDITIONAL PLUMBING REQUIREMENTS NOT SHOWN.
- ALL FLOOR AREAS IN THE KITCHEN & SERVING SPACE SHALL BE "TRANSIT LEVEL". DO NOT SLOPE FLOOR TO FLOOR DRAINS OR FLOOR SINKS IN THIS AREA.
- 4. PLUMBING DIVISION TO INSTALL ALL FAUCET ASSEMBLIES, PRE-RINSE SPRAY ASSEMBLIES, HOSE ASSEMBLIES, VACUUM BREAKERS, CHECK VALVES, FLOW CONTROL VALVES, SOLENOID VALVES, WATER PRESSURE REDUCING VALVES, GAS PRESSURE REDUCING VALVES, TEMPERATURE GAUGES, PRESSURE GAUGES, WATER HAMMER SHOCK ABSORBERS & WATER FILTRATION SYSTEMS FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR.
- PLUMBING DIVISION TO FURNISH & INSTALL ALL WATER, GAS & STEAM SUPPLY LINES, DRAIN MANIFOLDS & TAILPIECES, TRAPS, SHUT-OFF VALVES, VENT PIPING, GAS SUPPLY LINE STRAINERS/FILTERS, BACK FLOW PREVENTION DEVICES, FLOOR DRAINS & FLOOR SINKS AS REQUIRED FOR EQUIPMENT INSTALLATION AND ANY CODE REQUIREMENTS. ALL SUPPLY LINES SERVICING EQUIPMENT ADJACENT TO AN EXTERIOR WALL ARE TO BE RAN ALONG INTERIOR FACE OF WALL TO AVOID POTENTIAL
- PLUMBING DIVISION TO FURNISH & INSTALL STAINLESS STEEL OR CHROME PLATED BRASS ESCUTCHEONS OR FLANGES FOR UTILITY LINES WHICH EXTEND THROUGH BUILDING WALLS AND EQUIPMENT. ALL PENETRATIONS TO BE SEALED WATER-TIGHT AND VERMIN PROOF.
- PLUMBING DIVISION TO FURNISH & INSTALL TYPE "L" COPPER TUBING DRAIN LINES FROM ALL APPLICABLE EQUIPMENT TO FLOOR SINKS, (INCLUDING WALK-IN COOLER AND FREEZER COILS) AND TO INSULATE ALL DRAIN LINES FROM ICE BINS, REFRIGERATION EQUIPMENT ETC.. MECHANICAL DIVISION TO INSTALL DRAIN LINES SO THEY DO NOT AFFECT UNDERCOUNTER STORAGE AND OTHER OPERATIONAL FUNCTIONS OF THE FIXTURES.
- 8. PLUMBING DIVISION TO FURNISH & INSTALL CHROME PLATED PIPING ON ALL EXPOSED PIPING ABOVE COUNTER HEIGHT OR IN "DIRECT" LINE OF SIGHT TO THE OWNER/OPERATOR.
- PLUMBING DIVISION TO FURNISH & INSTALL ALL 12"x12"x8" FLOOR SINKS. FLOOR SINKS TO BE MOUNTED IN FLOOR SUCH THAT THE TOP OF THE RIM WILL BE FLUSH WITH FINISHED FLOOR ELEVATION UNLESS OTHERWISE DIRECTED BY STATE & LOCAL CODES. FLOOR SINKS FOR DISHMACHINES AND ALL COOKING EQUIPMENT TO HAVE A MINIMUM OF 3" DRAIN CONNECTION.
- 10. MECHANICAL DIVISION TO COOL, HEAT &/OR VENTILATE FOOD SERVICE DRY STORAGE ROOM TO MAINTAIN A TEMPERATURE OF 68 DEGREES TO 72 DEGREES YEAR AROUND.



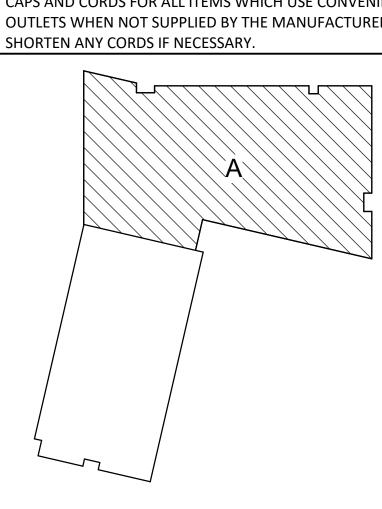
DRY **STORAGE** LOCKER **DESK** 

### **ELECTRICAL LEGEND** 120 VOLT ELECTRICAL CONNECTION DUPLEX CONVENIENCE RECEPTACLE 208 VOLT ELECTRICAL CONNECTION 120/208 VOLT ELECTRICAL CONNECTION 480 VOLT ELECTRICAL CONNECTION 120 VOLT ELECTRICAL CONNECTION - FIXTURE MOUNTED 208 VOLT ELECTRICAL CONNECTION - FIXTURE MOUNTED DIRECT CONNECTION ON WALL DIRECT CONNECTION ON EQUIPMENT **ELECTRICAL CONNECTION - STUB UP** ELECTRICAL CONNECTION - DOWN FROM ABOVE **SWITCH** DATA CONNECTION REFER TO SHEET K400 OR K500 FLOOR DUPLEX RECEPTACLE OUTLET DATA OUTLET IN FLOOR

#### **ELECTRICAL NOTES**

- FOODSERVICE SPOT LOCATION SCHEDULES & DRAWINGS ARE FOR REFERENCE AND BIDDING PURPOSES, TO BE USED ONLY AS A GUIDE FOR FOOD SERVICE EQUIPMENT ELECTRICAL, PLUMBING & VENTILATION SPOT LOCATIONS AND ARE NOT APPROVED FOR USE O THE JOBSITE FOR ROUGH-IN PURPOSES. THE KITCHEN EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING HIS/HER OWN ROUGH-IN SCHEDULES & DRAWINGS SHOWING ACCURATE LOCATIONS FOR UTILITIES AND WORK TO BE INSTALLED IN ACCORDANCE WITH ALL FEDERAL, STATE & LOCAL CODES.
- ALL SPOT LOCATIONS SHOWN ON THESE DRAWINGS ARE SPECIFIC TO THE EQUIPMENT SHOWN ON THE FOODSERVICE EQUIPMENT PLAN. REFER TO ARCHITECTURAL & ELECTRICAL DRAWING SETS FOR ADDITIONAL ELECTRICAL REQUIREMENTS NOT SHOWN.
- ELECTRICAL AMPERAGE NOTED IN SCHEDULE INDICATES AMP "DRAW" & NOT CIRCUIT BREAKER SIZE UNLESS OTHERWISE NOTED. ELECTRICAL DIVISION IS RESPONSIBLE FOR PROPER CIRCUIT BREAKER
- ELECTRICAL DIVISION TO VERIFY ALL FOODSERVICE EQUIPMENT WITH DIRECT ELECTRICAL CONNECTION TO BE IN LINE OF SIGHT OF KITCHEN ELECTRICAL DISTRIBUTION PANEL, AND IF NOT, ELECTRICAL DIVISION TO FURNISH & INSTALL A FUSED QUICK DISCONNECT ADJACENT TO EQUIPMENT.
- ELECTRICAL DIVISION TO INSTALL ALL CONTROL PANELS, STARTERS, SOLENOID VALVES, JUNCTION BOXES & DISCONNECT SWITCHES FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR.
- ELECTRICAL DIVISION TO FURNISH & INSTALL ALL WIRING, ELECTRICAL OUTLETS, STARTERS, JUNCTION BOXES, DISCONNECT SWITCHES & CONDUIT REQUIRED FOR EQUIPMENT INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS & ELECTRICAL CODE REQUIREMENTS. ELECTRICAL RECEPTACLES TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.
- ELECTRICAL DIVISION TO FURNISH & INSTALL GROUNDING WIRE TO ALL FOOD SERVICE EQUIPMENT IN ADDITION TO THE NUMBER OF WIRES NOTED IN INDIVIDUAL SERVICES.
- ELECTRICAL DIVISION TO FURNISH & INSTALL GROUND FAULT PROTECTION FOR ANY RECEPTACLE WITHIN THE KITCHEN & SERVING
- ELECTRICAL DIVISION TO FURNISH & INSTALL SHUNT TRIP BREAKERS FOR ALL ELECTRICAL SERVICE TO EQUIPMENT UNDER EXHAUST HOODS WHEN FIRE SUPPRESSION SYSTEM IS REQUIRED.
- 10. ELECTRICAL DIVISION TO FURNISH 6'-0" PIGTAIL FLEX CONDUIT AT ALL DIRECT CONNECTION STUB-OUTS AND EXTEND TO FINAL CONNECTION ON EQUIPMENT. ELECTRICAL DIVISION TO PROVIDE CAPS AND CORDS FOR ALL ITEMS WHICH USE CONVENIENCE OUTLETS WHEN NOT SUPPLIED BY THE MANUFACTURER AND

HEIGHTS USED IN DRAWINGS ARE FOR REFERENCE ONLY. **USE HEIGHTS PER LOCAL CODE.** 



**2** FOODSERVICE ELECTRICAL LAYOUT

KEY PLAN - NOT TO SCALE



8840 ALLISON BLVD INDIANAPOLIS, IN 46250 v. (317) 661-1964

MECH. / ELECT. / PLUMB. / **FIRE PROT. ENGINEER:** 

**KBSO CONSULTING** 275 VETERANS WAY SUITE 300 CARMEL. IN 46032

v. (317) 344-8044 **INTERIOR DESIGNER:** 

> **RELO DESIGN** 7222 N Shadeland Ave. Suite 170 Indianapolis, IN 46250 P: (317) 202.0000

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Addendum #2



**FOODSERVICE** PLUMBING & **ELECTRICAL LAYOUT** 

P23-0116

K300

1)02 FLOOR LIGHTING PLAN - AREA A

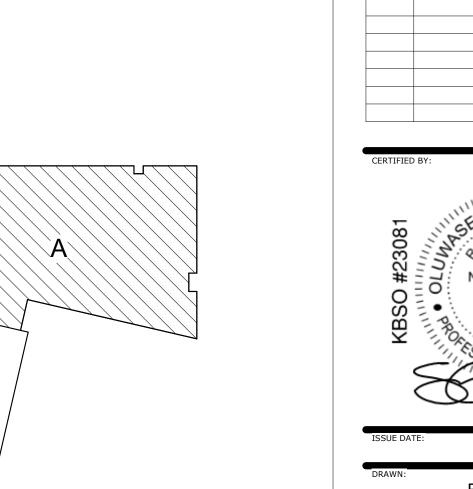
#### **GENERAL NOTES**

- B REFER TO E-600 SERIES SHEETS FOR LOAD CENTER CIRCUIT SCHEDULES
- C LABEL ALL RELAYS AND POWER SUPPLIES (ON THE DEVICE OR BOX THEY ARE CONNECTED TO) WITH THE AREA THE DEVICE SERVES.
- D MOUNT EXIT SIGNS ON WALL NOT OVER DOOR +7'-6" AFF. EXIT SIGNS OVER
- F COORDINATE INSTALLATION OF LIGHTING FIXTURES WITH ARCHITECTURAL
- PLANS PRIOR TO ROUGH-IN AND INSTALLATION OF LIGHTS. G LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE COVERAGE OF THE SPACE THEY ARE INSTALLED IN. ADDITIONAL SENSORS
- REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.
- I THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING (FIELD VERIFICATION IF
- FIXTURES WITH CEILING MATERIALS, ADJACENT FINISHES AND TO INSTALLATION OF FIXTURE.

### SHEET KEYNOTES

- A REFER TO SHEET E-000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- FOR EACH DWELLNG UNIT TYPE.
- DOOR TO BE +0'-6" ABOVE TOP EDGE OF DOOR FRAME. E 'NL' SYMBOL REPRESENTS NIGH LIGHT AND INDICATES LIGHT WILL REMAIN
  - REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT, DIFFUSERS, SUPPORTS, PIPING, DUCTWORK AND STRUCTURAL
    - **PERKINS & WILL** 410 N. MICHIGAN AVE SUITE 1600 CHICAGO, IL 60611 v. (312) 755-0770
- H ALL MOUNTING HEIGHTS NOTED ON THE PLANS ARE TO THE BOTTOM OF THE FIXTURES UNLESS NOTED OTHERWISE.
- NECESSARY) ALL LINEAR PRODUCT LENGTHS INCLUDING ANY DOWNLIGHTS, WALL SLOTS, PENDANTS, OR ACCENT LIGHTS. J ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHERPROOF AND
- K WHERE MULTIPLE SWITCHES ARE SHOWN ADJACENT TO EACH OTHER, GANG TOGETHER IN SINGLE FACEPLACE WITH MULTIPLE SWITCH OUTLET. L CONTRACTOR IS RESPONSIBLE FOR VERIFYING COMPATIBILITY OF LIGHT CONSTRUCTION MATERIALS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR

1 REFER TO SHEET EL-111A FOR LIGHTING AND CONTROLS IN THIS HIGH VOLUME ROOM.



P23-0116

02 FLOOR LIGHTING PLAN - AREA A

EL-112A



LANDSCAPE, INTERIOR

DESIGN, URBAN PLANNING

INDIANAPOLIS, IN 45202

WWW.METICULOUSDA.COM

INFO@METICULOUSDA.COM

317.926.1820

ARCHITECTURAL PARTNER

CIVIL & STRUCTURAL ENGINEER:

8840 ALLISON BLVD

v. (317) 661-1964

INDIANAPOLIS, IN 46250

MECH. / ELECT. / PLUMB. /

FIRE PROT. ENGINEER:

**KBSO CONSULTING** 275 VETERANS WAY

SUITE 425

SUITE 300 CARMEL. IN 46032

v. (317) 344-8044

25 NORTH PINE STREET, SUITE B

				JRE S							
IIT	DRIVER	VOLTS		LIGHT			DAD		MOUNTING	MANUFACTURER	EQUAL MANUFACTURERS
DESCRIPTION		(V)	COLOR (K)	QTY (LM)	UNITS	QTY (W)	UNITS	MOUNTING	HEIGHT (AFF)		·
1 2' BY 4' DIRECT-LIT LED FLAT PANEL, FULLY SWITCHABLE CONFIGURAL, DLC LISTED, METAL FRAME WITH SATIN WHITE LENS	0-10V DIMMING TO 10%	120	4000	5000	/FIXTURE	35.6	/FIXTURE	RECESSED	N/A	LITHONIA CPX SERIES	OR APPROVED EQUALS
2' BY 4' DIRECT-LIT LED FLAT PANEL, FULLY SWITCHABLE CONFIGURAL, DLC LISTED, METAL FRAME WITH SATIN WHITE LENS, WITH INTEGRAL EMERGENCY BATTERY PACK	0-10V DIMMING TO 10%	120	4000	5000	/FIXTURE	35.6	/FIXTURE	RECESSED	N/A	LITHONIA CPX SERIES	OR APPROVED EQUALS
2' BY 4' DIRECT-LIT LED FLAT PANEL, FULLY SWITCHABLE CONFIGURAL, DLC LISTED, METAL FRAME WITH SATIN WHITE LENS	0-10V DIMMING TO 10%	120	4000	6000	/FIXTURE	48.5	/FIXTURE	RECESSED	N/A	LITHONIA CPX SERIES	OR APPROVED EQUALS
2' BY 4' DIRECT-LIT LED FLAT PANEL, FULLY SWITCHABLE CONFIGURAL, DLC LISTED, METAL FRAME WITH SATIN WHITE LENS, WITH INTEGRAL EMERGENCY BATTERY PACK	0-10V DIMMING TO 10%	120	4000	6000	/FIXTURE	48.5	/FIXTURE	RECESSED	N/A	LITHONIA CPX SERIES	OR APPROVED EQUALS
2' BY 4' VANDAL RESISTANT LED TROFFER, DAMP LOCATION, DLC LISTED, FINISH TO BE DETERMINED BY ARCHITECT FROM MANUFACTURERS STANDARD CATALOG, WITH INTEGRAL EMERGENCY BATTERY PACK	0-10V DIMMING TO 10%	120	4000	5000	/FIXTURE	41	/FIXTURE	RECESSED	N/A	LITHONIA VRTL SERIES	OR APPROVED EQUALS
NOMINALLY 4-FOOT VAPOR-TIGHT FIXTURE, FULLY-GASKETED POLYCARBONATE HOUSIG, WET LOCATION RATED, INTEGRAL EMERGENCY BATTERY PACK.	ELECTRONIC	120	4000	4946	/FIXTURE	42	/FIXTURE	SURFACE/WALL	N/A	LITHONIA CSVT SERIES	OR APPROVED EQUALS
1' BY 4' VANDAL RESISTANT LED TROFFER, DAMP LOCATION, DLC LISTED, FINISH TO BE DETERMINED BY ARCHITECT FROM MANUFACTURERS STANDARD CATALOG.	0-10V DIMMING TO 10%	120	4000	5000	/FIXTURE	46	/FIXTURE	RECESSED	N/A	LITHONIA VRTL SERIES	OR APPROVED EQUALS
LED HIGH BAY, CHAIN HUNG, SAFETY CHAIN KIT, TRI-RADIAL POLYCARBONATE LENS, IKO RATED, FINISH TO BE DETERMINED BY ARCHITECT	ELECTRONIC	120	4000	24000	/FIXTURE	175	/FIXTURE	SUSPENDED	+25'-0"	LITHONIA CPRB SERIES	OR APPROVED EQUALS
A THE TOP TO THE TOP TO THE	CITE OF TROUBO	~120~		~~~	THE	Market Market	THE WARRY	- COSDENDED	~~************************************	THOMASS SERIES	A CONTRACTOR OF THE CONTRACTOR
4' LINEAR, POLYESTER POWDER COATED FINISH, COLD-ROLLED STEEL HOUSING WITH EXTRUDED ALUMINUM CEILING TRIM, FLUSH MOUNTING, FINISH TO BE DETERMINED BY ARCHITECT.	0-10V DIMMING TO 10%	120	4000	600	/FT	24	/FIXTURE	RECESSED	N/A	MARK SLOT 4 LED RECESSED	OR APPROVED EQUALS
4' LINEAR, POLYESTER POWDER COATED FINISH, ALUMINUM HOUSING, PENDANT MOUNTING, FINISH TO BE DETERMINED BY ARCHITECT. VERIFY FIXTURE HEIGHTS WITH ARCHITECT.	0-10V DIMMING TO 10%	120	4000	600	/FT	19	/FIXTURE	SUSPENDED	N/A	MARK SLOT 4 LED PENDANT	OR APPROVED EQUALS
4' LINEAR, POLYESTER POWDER COATED FINISH, ALUMINUM HOUSING, PENDANT MOUNTING, FINISH TO BE DETERMINED BY ARCHITECT. VERIFY FIXTURE HEIGHTS WITH ARCHITECT.	0-10V DIMMING TO 10%	120	4000	300	/FT	10	/FIXTURE	SUSPENDED	N/A	MARK SLOT 4 LED PENDANT	OR APPROVED EQUALS
TULL CUTOFFABGAITESTUFAL MALL-ACONCE, MET-LOCATION RAFILO MATHAITEGRAL-ENERGENCY GATTARY PACKAWITA UL-TE AR A	OUDY DIMMING	مصم	- HOUSE	~~308~~	MAXIMEN	- William	MATHREM	CARFACEA	meen	ATHONIA WIST SERVENCE OF THE S	ARAPPOVEDEDINAL SA
CAPABILITIES.	TO 10%										
ARM MOUNT AREA LIGHT, TYPE II MEIUM DISTRIBUTION, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATLOG OF STANDARD COLORS, WITH INTEGRAL BATTERY PACK, WITH NLITE AIR CAPABILITIES.	0-10V DIMMING TO 10%	120	4000	7507	/FIXTURE	51	/FIXTURE	SURFACE	+15-0'	LITHONIA DSX1 SERIES	OR APPROVED EQUALS
ARM MOUNT AREA LIGHT, TYPE IV MEDIUM DISTRIBTUION, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATLOG OF STANDARD COLORS, WITH NLITE AIR CAPABILITIES.	ELECTRONIC	120	4000	13403	/FIXTURE	102	/FIXTURE	CONCRETE BASE	+30'-0"	LITHONIA DSX1 SERIES	OR APPROVED EQUALS
ARM MOUNT AREA LIGHT, TYPE II MEIUM DISTRIBUTION, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATLOG OF STANDARD COLORS, WITH NLITE AIR CAPABILITIES.	ELECTRONIC	120	4000	9260	/FIXTURE	69	/FIXTURE	CONCRETE BASE	+30'-0"	LITHONIA DSX1 SERIES	OR APPROVED EQUALS
ARM MOUNT AREA LIGHT, TYPE LCCO DISTRIBUTION, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATLOG OF STANDARD COLORS, WITH NLITE AIR CAPABILITIES.	ELECTRONIC	120	4000	9692	/FIXTURE	102	/FIXTURE	CONCRETE BASE	+30'-0"	LITHONIA DSX1 SERIES	OR APPROVED EQUALS
COMPACT ARCHITECTURAL LED EXIT SIGN, FACES AND CHEVRONS AS INDICATED, RED LETTERING, FLAME-RATED UV STABLE THERMOPLASTIC HOUSING,	ELECTRONIC	120				1.4	/FIXTURE	CEILING	N/A	DUAL-LITE EVE SERIES	OR APPROVED EQUALS
COMPACT ARCHITECTURAL LED EXIT SIGN, FACES AND CHEVRONS AS INDICATED, RED LETTERING, FLAME-RATED UV STABLE THERMOPLASTIC HOUSING,	ELECTRONIC	120				1.4	/FIXTURE	SURFACE	N/A	DUAL-LITE EVE SERIES	OR APPROVED EQUALS
HIGH IMPACT ARCHITECTURAL LED EMERGENCY LIGHT, FLAME RATED, UV STABLE WHITE THERMOPLASTIC HOUSING, SELF-DIAGNOSTIC	ELECTRONIC	120		250	/FIXTURE	2	/FIXTURE	SURFACE	+7'-6"	DUAL-LITE EV SERIES	OR APPROVED EQUALS

		LIG	HI	<b>FIXI</b> L	JKE S	<b>CHED</b>	ULE					
INIT		DRIVER	VOLTS		LIGHT			)AD		MOUNTING	MANUFACTURER	EQUAL MANUFACTURERS
ID	DESCRIPTION  OURSELECT LITTLED ELAT DANIEL ELILLY OMITOLIADI E CONEIGUIDAL DI CLUSTED METAL EDAME MITH CATINAMULTE LENG.	0.40\/ DIMMINIO	(V)	COLOR (K)	QTY (LM)	UNITS	QTY (W)	UNITS	MOUNTING	HEIGHT (AFF)	LITHONIA ODV OFDICO	OD ADDDOVED FOUND
_1	2' BY 4' DIRECT-LIT LED FLAT PANEL, FULLY SWITCHABLE CONFIGURAL, DLC LISTED, METAL FRAME WITH SATIN WHITE LENS	0-10V DIMMING TO 10%	120	4000	5000	/FIXTURE	35.6	/FIXTURE	RECESSED	N/A	LITHONIA CPX SERIES	OR APPROVED EQUALS
Ε	2' BY 4' DIRECT-LIT LED FLAT PANEL, FULLY SWITCHABLE CONFIGURAL, DLC LISTED, METAL FRAME WITH SATIN WHITE LENS, WITH INTEGRAL EMERGENCY BATTERY PACK	0-10V DIMMING TO 10%	120	4000	5000	/FIXTURE	35.6	/FIXTURE	RECESSED	N/A	LITHONIA CPX SERIES	OR APPROVED EQUALS
2	2' BY 4' DIRECT-LIT LED FLAT PANEL, FULLY SWITCHABLE CONFIGURAL, DLC LISTED, METAL FRAME WITH SATIN WHITE LENS	0-10V DIMMING TO 10%	120	4000	6000	/FIXTURE	48.5	/FIXTURE	RECESSED	N/A	LITHONIA CPX SERIES	OR APPROVED EQUALS
Ε	2' BY 4' DIRECT-LIT LED FLAT PANEL, FULLY SWITCHABLE CONFIGURAL, DLC LISTED, METAL FRAME WITH SATIN WHITE LENS, WITH INTEGRAL EMERGENCY BATTERY PACK	0-10V DIMMING TO 10%	120	4000	6000	/FIXTURE	48.5	/FIXTURE	RECESSED	N/A	LITHONIA CPX SERIES	OR APPROVED EQUALS
=	2' BY 4' VANDAL RESISTANT LED TROFFER, DAMP LOCATION, DLC LISTED, FINISH TO BE DETERMINED BY ARCHITECT FROM MANUFACTURERS STANDARD CATALOG, WITH INTEGRAL EMERGENCY BATTERY PACK	0-10V DIMMING TO 10%	120	4000	5000	/FIXTURE	41	/FIXTURE	RECESSED	N/A	LITHONIA VRTL SERIES	OR APPROVED EQUALS
	NOMINALLY 4-FOOT VAPOR-TIGHT FIXTURE, FULLY-GASKETED POLYCARBONATE HOUSIG, WET LOCATION RATED, INTEGRAL EMERGENCY BATTERY PACK.	ELECTRONIC	120	4000	4946	/FIXTURE	42	/FIXTURE	SURFACE/WALL	N/A	LITHONIA CSVT SERIES	OR APPROVED EQUALS
	1' BY 4' VANDAL RESISTANT LED TROFFER, DAMP LOCATION, DLC LISTED, FINISH TO BE DETERMINED BY ARCHITECT FROM MANUFACTURERS STANDARD CATALOG.	0-10V DIMMING TO 10%	120	4000	5000	/FIXTURE	46	/FIXTURE	RECESSED	N/A	LITHONIA VRTL SERIES	OR APPROVED EQUALS
	LED HIGH BAY, CHAIN HUNG, SAFETY CHAIN KIT, TRI-RADIAL POLYCARBONATE LENS, IKO RATED, FINISH TO BE DETERMINED BY ARCHITECT	ELECTRONIC	120	4000	24000	/FIXTURE	175	/FIXTURE	SUSPENDED	+25'-0"	LITHONIA CPRB SERIES	OR APPROVED EQUALS
	WILE THE BEST OF WITH CONTROL TO THE STAND THE CHOOSE OF WEST WHITE ENWINE FINISH	CITE OF BOTHS	~120~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	THE	~~~~~		~ BUSPENDED~	~~************************************	A THE PROPERTY OF THE PROPERTY	THE PROPERTY OF STATES
	4' LINEAR, POLYESTER POWDER COATED FINISH, COLD-ROLLED STEEL HOUSING WITH EXTRUDED ALUMINUM CEILING TRIM, FLUSH MOUNTING, FINISH TO BE DETERMINED BY ARCHITECT.	0-10V DIMMING TO 10%	120	4000	600	/FT	24	/FIXTURE	RECESSED	N/A	MARK SLOT 4 LED RECESSED	OR APPROVED EQUALS
	4' LINEAR, POLYESTER POWDER COATED FINISH, ALUMINUM HOUSING, PENDANT MOUNTING, FINISH TO BE DETERMINED BY ARCHITECT. VERIFY FIXTURE HEIGHTS WITH ARCHITECT.	0-10V DIMMING TO 10%	120	4000	600	/FT	19	/FIXTURE	SUSPENDED	N/A	MARK SLOT 4 LED PENDANT	OR APPROVED EQUALS
	4' LINEAR, POLYESTER POWDER COATED FINISH, ALUMINUM HOUSING, PENDANT MOUNTING, FINISH TO BE DETERMINED BY ARCHITECT. VERIFY FIXTURE HEIGHTS WITH ARCHITECT.	0-10V DIMMING TO 10%	120	4000	300	/FT	10	/FIXTURE	SUSPENDED	N/A	MARK SLOT 4 LED PENDANT	OR APPROVED EQUALS
J	EULLACUTOFFABGATEATURAL MALLACONCEMET LOCATION RATIO MATHAITE GRAL EMERGENCY BATTARY MACKAWITA NLATE AR		مصد	A HOUSE	<b>COMPANY</b>	MATHEM	Man.	MATUREA	A COURTACE A		WATHONIAN STREETINGS AND A	ARAPPOVED TOWNS
	CAPABILITIES.	TO 10%										
	ARM MOUNT AREA LIGHT, TYPE II MEIUM DISTRIBUTION, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATLOG OF STANDARD COLORS, WITH INTEGRAL BATTERY PACK, WITH NLITE AIR CAPABILITIES.	0-10V DIMMING TO 10%	120	4000	7507	/FIXTURE	51	/FIXTURE	SURFACE	+15-0'	LITHONIA DSX1 SERIES	OR APPROVED EQUALS
	ARM MOUNT AREA LIGHT, TYPE IV MEDIUM DISTRIBTUION, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATLOG OF STANDARD COLORS, WITH NLITE AIR CAPABILITIES.	ELECTRONIC	120	4000	13403	/FIXTURE	102	/FIXTURE	CONCRETE BASE	+30'-0"	LITHONIA DSX1 SERIES	OR APPROVED EQUALS
	ARM MOUNT AREA LIGHT, TYPE II MEIUM DISTRIBUTION, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATLOG OF STANDARD COLORS, WITH NLITE AIR CAPABILITIES.	ELECTRONIC	120	4000	9260	/FIXTURE	69	/FIXTURE	CONCRETE BASE	+30'-0"	LITHONIA DSX1 SERIES	OR APPROVED EQUALS
	ARM MOUNT AREA LIGHT, TYPE LCCO DISTRIBUTION, FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S CATLOG OF STANDARD COLORS, WITH NLITE AIR CAPABILITIES.	ELECTRONIC	120	4000	9692	/FIXTURE	102	/FIXTURE	CONCRETE BASE	+30'-0"	LITHONIA DSX1 SERIES	OR APPROVED EQUALS
	COMPACT ARCHITECTURAL LED EXIT SIGN, FACES AND CHEVRONS AS INDICATED, RED LETTERING, FLAME-RATED UV STABLE THERMOPLASTIC HOUSING,	ELECTRONIC	120				1.4	/FIXTURE	CEILING	N/A	DUAL-LITE EVE SERIES	OR APPROVED EQUALS
	COMPACT ARCHITECTURAL LED EXIT SIGN, FACES AND CHEVRONS AS INDICATED, RED LETTERING, FLAME-RATED UV STABLE	ELECTRONIC	120				1.4	/FIXTURE	SURFACE	N/A	DUAL-LITE EVE SERIES	OR APPROVED EQUALS
2	THERMOPLASTIC HOUSING,							<u> </u>				

					F	Phases: Wires:		A.I.C. Rating: 65kAIC  Mains Type: MLO  Mains Rating: 300 A						
CKT	Circuit Description	Trip	Poles	A	<b>A</b>	E	3	(	<b>:</b>	Poles	Trip	Circuit Do	escription	СКТ
	PARE	20 A	1	0	0					1		SPARE		2
	SPARE	20 A	1			0	0			1		SPARE		4
	RECEPT - ROOF	20 A	1					360	0	1		SPARE		6
	RECEPT: MAIN ELEC 107	20 A	1	540	1400					1		LIGHTING: GYMNASIL		8
	IGHTING: GYMNASIUM	20 A	1			1575	394			1		LIGHTING: MAIN MEC		10
	IGHTING: SITE	20 A	1	10==	100:			987	398	1		LIGHTING: EXTERIOR		12
	IGHTING: CAFE	20 A	1	1372	1291		4.4.40			1		LIGHTING: CAFE / VE		14
	LIGHTING: OFFICE, REC. STOR. TLT, CIRC	20 A	1			867	1440	400	1070	1		RECEPT: CAFE / LOB	BY/STOR.	16
	RECEPT: CAFE	20 A	1	4000	000			180	1373	1		CP-1, 2, 3		18
	EWC: CAFE	20 A	1	1080	360	4500	1000			1		WATER SOFTENERS	TDOL DANIEL	20
	FIRE ALARM CONTROL PANEL BASKETBALL GOAL BACKSTOP	20 A 20 A	1			1500	1000	1000	500	ı	20 A	TEMPERATURE CON	IRUL PANEL	22
	BASKETBALL GOAL BACKSTOP	20 A	1	1000	500			1000	500	3	20 A	BLR-1		26
	BASKETBALL GOAL BACKSTOP	20 A	1	1000	300	0	500			3	20 A	DLN-1		28
	BASKETBALL GOAL BACKSTOP	20 A	1			0	300	2000	500					30
31	NORE TENEE GOVE EN COROTO	2071	<u> </u>	5800	500			2000	000	3	20 A	BLR-2		32
	CWP-1	90 A	3	0000	000	5800	500				2071	,		
35		0071				0000	000	5800	120	1	15 A	UH-106		34
37				5800	0			0000	0	•				38
	CWP-2	90 A	3	0000		5800	0			3	60 A	A SPD		
41		•••						5800	0	3		0. 2		40
		Total Load:		1964	4 VA	4 VA 19377 V								
			Amps:		4 A	162		158 A						
egend:	assification	Carr	n o oto d	اممط	Do:-	and E-	otor	Cotire	otod D-	mord		Donal	Totala	
	255IIICALIUII		nected I 3000 VA			nand Fa 100.00%			ated De 3000 VA			ranei	Totals	
HVAC LIGHTING			8284 VA			125.00%			0355 VA			Total Conn. Load:	58039 \/Δ	
Other			1500 VA			100.00%			1500 VA			Total Est. Demand:		
RECEPT			3960 VA			100.00%			3960 VA			Total Conn.:		
	neous Power		1000 VA			100.00%			1000 VA			Total Est. Demand:		
	DNAL HP MOTOR		5493 VA			100.00%			5493 VA			. ota. Loti bomana		
	AL HP MOTOR		34802 V			100.00%		34802 VA						

	Location: MAIN ELECTION Supply From: MSB Mounting: SURFACE Enclosure: TYPE 1			F	Volts: Phases: Wires:	-	8 Wye		A.I.C. Rating: 65kAIC Mains Type: MLO Mains Rating: 300 A					
СКТ	Circuit Description	Trip	Poles		4		В		С	Poles	Trip	Circuit Do	escription	СКТ
1	SPARE	20 A	1	0	0					1		SPARE	•	2
3	SPARE	20 A	1			0	0			1	20 A	SPARE		4
5	SPARE	20 A	1					0	0	1	20 A	SPARE		6
7	RECEPT: GYMNASIUM	20 A	1	360	720					1	20 A	RECEPT: OFFICE 109		8
9	RECEPT: GYMNASIUM	20 A	1			540	1080			1	20 A	RECEPT: CIRC. / CUS	T. OFFICE / REC.	10
11	WASHER: RECEIVING	20 A	1					500	2500	1	20.4	DDVED, DECEIVING		12
13	RECEPT: MAINTENANCE OFFICE	20 A	1	180	2500					2	30 A	DRYER: RECEIVING		14
15	RECEPT: MAINTENANCE OFFICE	20 A	1			180	360			1	20 A	RECEPT: EXTERIOR		16
17	RECEPT: MAINTENANCE OFFICE	20 A	1					180	360	1	20 A	RECEPT: EXTERIOR		18
19	RECEPT: MAINTENANCE OFFICE	20 A	1	720	180					1	20 A	RECEPT: TOILET		20
21	EF-5 / EF-6	20 A	1			1704	1000			1	20 A	ACCESS CONTROLS:	MAIN ELEC / MECH	22
23	RECEPT	20 A	1					1000	1500	1	20 A	ACCESS CONTROLS:	VESTIBULE / CAFE.	24
25	CUH-112	15 A	1	240	500					1	20 A	VAV XFMR		26
27						7458	7458							28
29	HWP-1	100 A	3					7458	7458	3	100 A	HWP-2		30
31				7458	7458									32
33	HCP-6	15 A	1			528	1920			1	20 A	WH-1		34
35								1681	1920	1	20 A	WH-2		36
37	AHU-6 - SITE EQUIP STOR	20 A	3	1681	0									38
39						1681	0			3	60 A	SPD		40
41	UH-113	15 A	1					120	0					42
		Tota	l Load:	2199	6 VA	2390	8 VA	2467	76 VA					'
		Total	Amps:	18	3 A	20:	2 A	20	8 A	_				
Legen	d: Classification	Con	nected I	_oad	Den	nand Fa	ıctor	Estim	nated De	emand		Panel	Totals	
RECE			18200 V			77.47%			14100 V					
	TONAL HP MOTOR		888 VA			100.00%			888 VA			Total Conn. Load:	70581 VA	
INTEG	RAL HP MOTOR		51493 V	4		100.00%	, 0	5	51493 V	A		Total Est. Demand:	66481 VA	
												Total Conn.:	196 A	
												Total Est. Demand:	185 A	
Notes:														

	Mounting: RECESSE Enclosure: TYPE 4X	D				Volts: Phases: Wires:		8 Wye		A.I.C. Rating: 65kAIC Mains Type: MCB Mains Rating: 200 A MCB Rating: 200 A				
СКТ	Circuit Description	Trip	Poles		A	E	3		c	Poles		Circuit De	escription	
1	SPARE	20 A	1	0	0					1		SPARE		
	SPARE	20 A	1			0	0			1		SPARE		$\perp$
	SPARE	20 A	1					0	0	1	20 A	SPARE		$\perp$
7	LIGHTING: KITCHEN	20 A	1	437	6965									
9	HOT HOLDING CABINET	25 A	2			1758	6965			3	80 A	RETHERM OVEN		
11	THE PROPERTY OF THE PROPERTY O							1758	6965					$\perp$
13	HOT HOLDING CABINET	25 A	2	1758	1272					1	15 A			
15						1758	1272			1		SINGLE DOOR ROLL-		
	DOUBLE-SIDED MILK COOLER(S)	20 A	1					1620	1272	1		SINGLE DOOR ROLL-		$\perp$
	CASHIER COUNTER	20 A	1	1920	1920					1		POINT OF SALE SYST	EM	
	RECEPT: KITCHEN	20 A	1			720	0			1	20 A			
23	SPARE	20 A	1					0	0	1		SPARE		
25	SPARE	20 A	1	0	0					1	20 A	SPARE		
27	SPARE	20 A	1			0	0			1	20 A	SPARE		
29	SPARE	20 A	1					0	0	1	20 A	SPARE		
31	SPARE	20 A	1	0	0					1	20 A	SPARE		
33	SPARE	20 A	1			0	0			1	20 A	SPARE		
35	SPARE	20 A	1					0	0	1	20 A	SPARE		
37	SPARE	20 A	1	0	0									
39	SPARE	20 A	1			0	0			3	60 A	SPD		
41	SPARE	20 A	1					0	0	1				
		Tota	al Load:	1427	72 VA	1247	3 VA	1161	5 VA			•		
		Total	I Amps:	120	0 A	10	5 A	97	7 A					
Legeno														
	Classification		nected I			nand Fa		Estim	nated De			Panel	Totals	
LIGHTI			437 VA			125.00%			546 VA					
RECEP			4560 VA			100.00%			4560 VA			Total Conn. Load:		
Kitchen	1	3	33362 V	Α		65.00%		2	21686 V	Α		Total Est. Demand:		
												Total Conn.:		
												Total Est. Demand:	74 A	

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$\sum_{i=1}^{n}$	317.926.1820
	METICULOUS

ARCHITECTURAL PARTNER PERKINS & WILL 410 N. MICHIGAN AVE SUITE 1600 CHICAGO, IL 60611 v. (312) 755-0770

CIVIL & STRUCTURAL ENGINEER: JQOL 8840 ALLISON BLVD SUITE 425 INDIANAPOLIS, IN 46250 v. (317) 661-1964

MECH. / ELECT. / PLUMB. / FIRE PROT. ENGINEER:

KBSO CONSULTING
275 VETERANS WAY
SUITE 300
CARMEL. IN 46032
v. (317) 344-8044

100% CD SET

No. Description
95% CD SET
100% CD SET
B ADDENDUM #2

ELECTRICAL SCHEDULES

E-601

### **GENERAL NOTES**

A REFER TO SHEET M-000 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS.

1 MAINTAIN A 10-FOOT RADIUS AROUND FRESH AIR INTAKE. DO NOT TEMINATE SANITARY VENT WITHIN THIS ZONE.

2 PROVIDE CPVC COMBUSTION AIR AND FLUE FOR NATURAL GAS BOILERS.

4 PAINT LOUVER TO MATCH GYM WALL. TURN BLADES UP TO REDUCE

3 PROVIDE DOUBLE-WALL SPIRAL DUCTWORK WITH PAINT-GRIP FINISH IN THE

6 PROVIDE DIFFERENTIAL PRESSURE SENSOR. INDOOR BARB SHALL BE OPEN TO LOBBY AND OUTDOOR BARB SHALL BE PROVIDED WITH A SHIELD TO

7 PROVIDE CPVC COMBUSTION AIR AND FLUE FOR NATURAL GAS DOMESTIC WATER HEATERS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

5 PROVIDE DRAIN PAN BELOW RELIEF HOOD.

PROTECT FROM WIND EFFECTS.

- B REFER TO DRAWING M-500 SERIES FOR MECHANICAL DETAILS. C REFER TO DRAWING M-600 SERIES FOR MECHANICAL SCHEDULES.
- D REFER TO DETAILS 3/M-501 & 12/M-501 FOR VAV DUCTWORK & PIPING INSTALLATION.
- E PROVIDE LOW VOLTAGE TRANSFORMERS FOR VAV POWER WHERE SHOWN
- ON ELECTRICAL PLANS. F INSTALL THERMOSTATS AT 48-INCHES A.F.F. OR ALIGNED WITH ADJACENT LIGHTSWITCHES.

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ARCHITECTURAL PARTNER **PERKINS & WILL** 410 N. MICHIGAN AVE SUITE 1600 CHICAGO, IL 60611 v. (312) 755-0770

**CIVIL & STRUCTURAL ENGINEER:** 

**JQOL** 8840 ALLISON BLVD SUITE 425 INDIANAPOLIS, IN 46250 v. (317) 661-1964

MECH. / ELECT. / PLUMB. / FIRE PROT. ENGINEER:

SHEET KEYNOTES

SUITE 300

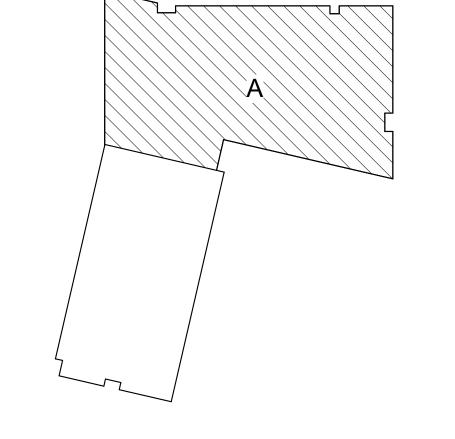
**KBSO CONSULTING** 275 VETERANS WAY CARMEL. IN 46032 v. (317) 344-8044

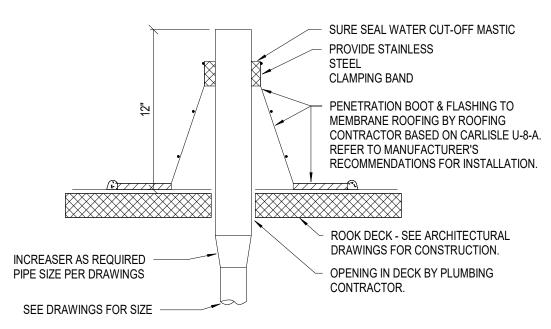
P23-0116

02 FLOOR MECHANICAL HVAC PLAN - AREA A

MH-112A

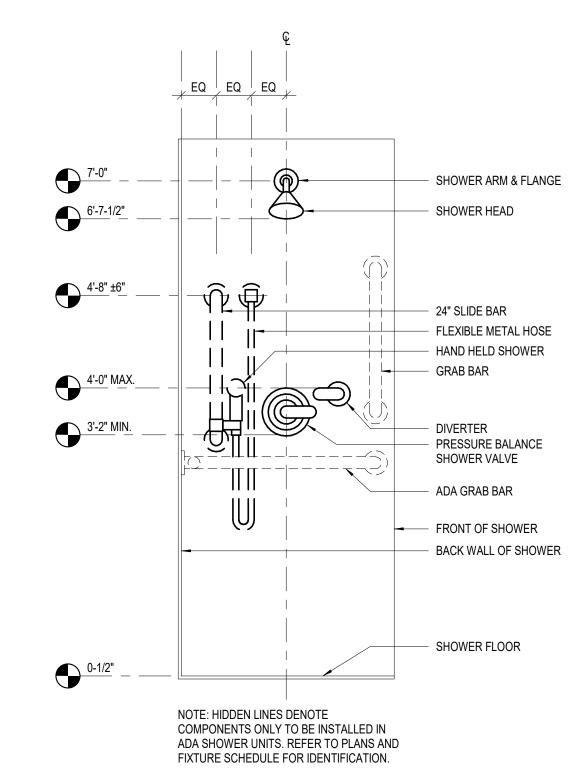
02 FLOOR MECHANICAL PLAN - AREA A

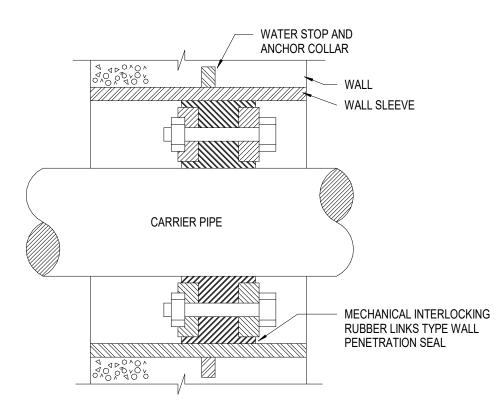




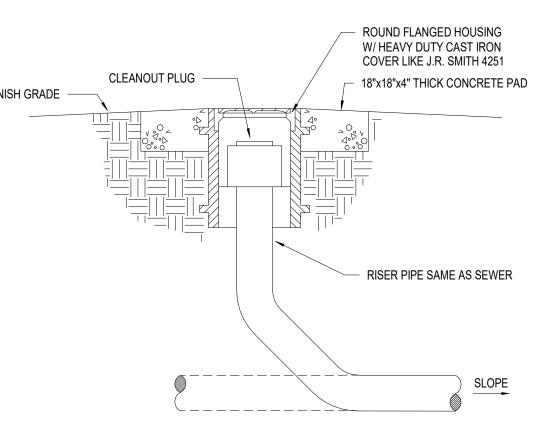
6 VENT THRU ROOF DETAIL

NOT TO SCALE

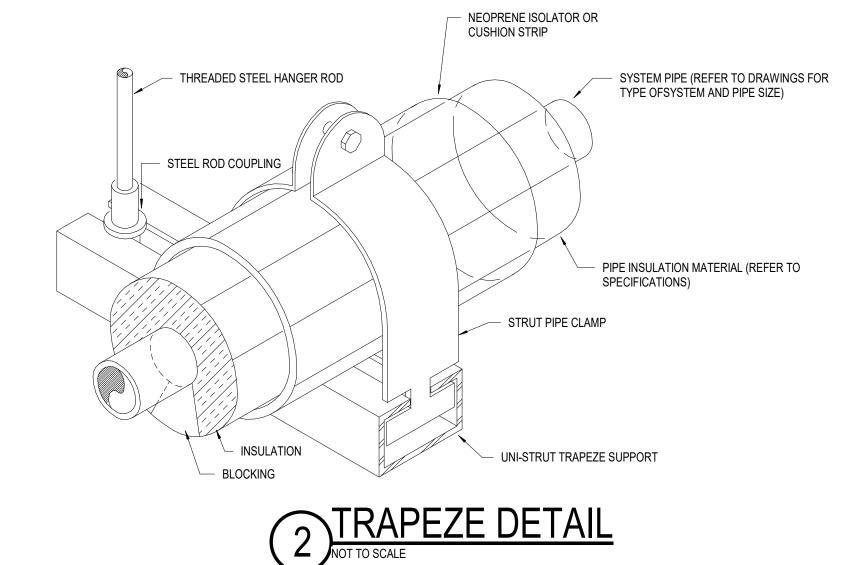


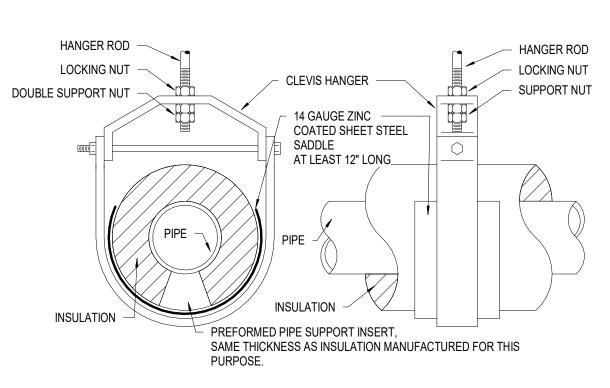


## WALL/FLOOR SLEEVE DETAIL



## 3 EXTERIOR CLEANOUT DETAIL NOT TO SCALE





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**PERKINS & WILL** 410 N. MICHIGAN AVE SUITE 1600 CHICAGO, IL 60611 v. (312) 755-0770

CIVIL & STRUCTURAL ENGINEER: 8840 ALLISON BLVD SUITE 425

INDIANAPOLIS, IN 46250

v. (317) 661-1964

MECH. / ELECT. / PLUMB. /

FIRE PROT. ENGINEER: **KBSO CONSULTING** 275 VETERANS WAY SUITE 300 CARMEL. IN 46032 v. (317) 344-8044

SE

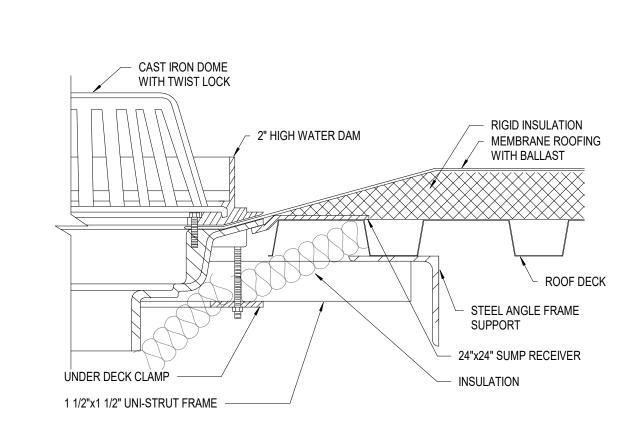
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100%

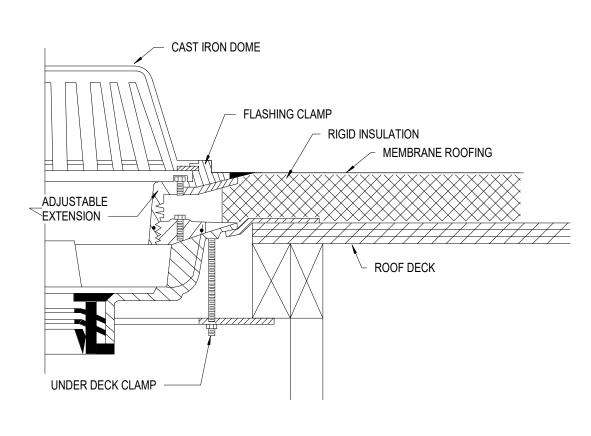
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P23-0116 PLUMBING DETAILS

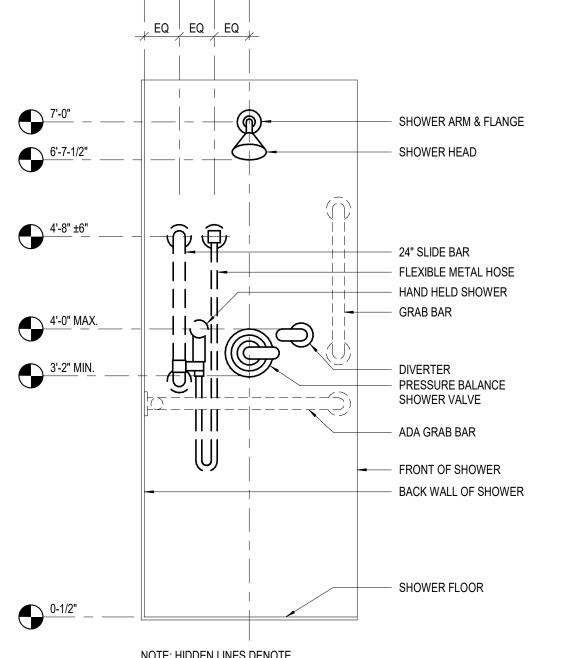
P-502



# 9 ROOF OVERFLOW DRAIN DETAIL NOT TO SCALE



8 ROOF DRAIN DETAIL
NOT TO SCALE



5 SHOWER CONTROLS DETAIL

NOT TO SCALE

SINGLE GANG ROUGH-INS SHALL BE INSTALLED FOR FELECOMMUNICATIONS OUTLETS WITH FOUR (4) DATA CABLES OR LESS AND AT LOCATIONS INDICATED IN DRAWINGS UNLESS

1-GANG TELECOMMUNICATIONS OUTLET ROUGH-IN DETAIL WITH ACCESSIBLE LAY-IN CEILING

CASEWORK SHALL BE COORDINATED WITH THE ARCHITECT AND

1-GANG TELECOMMUNICATIONS OUTLET ROUGH-IN DETAIL

WITH ACCESSIBLE LAY-IN CEILING

GENERAL CONTRACTOR IN THE FIELD PRIOR TO ROUGH-IN.

NEW WALL CONSTRUCTION 1-GANG DATA/VIDEO

1-GANG TELECOMMUNICATIONS OUTLET ROUGH-IN DETAIL

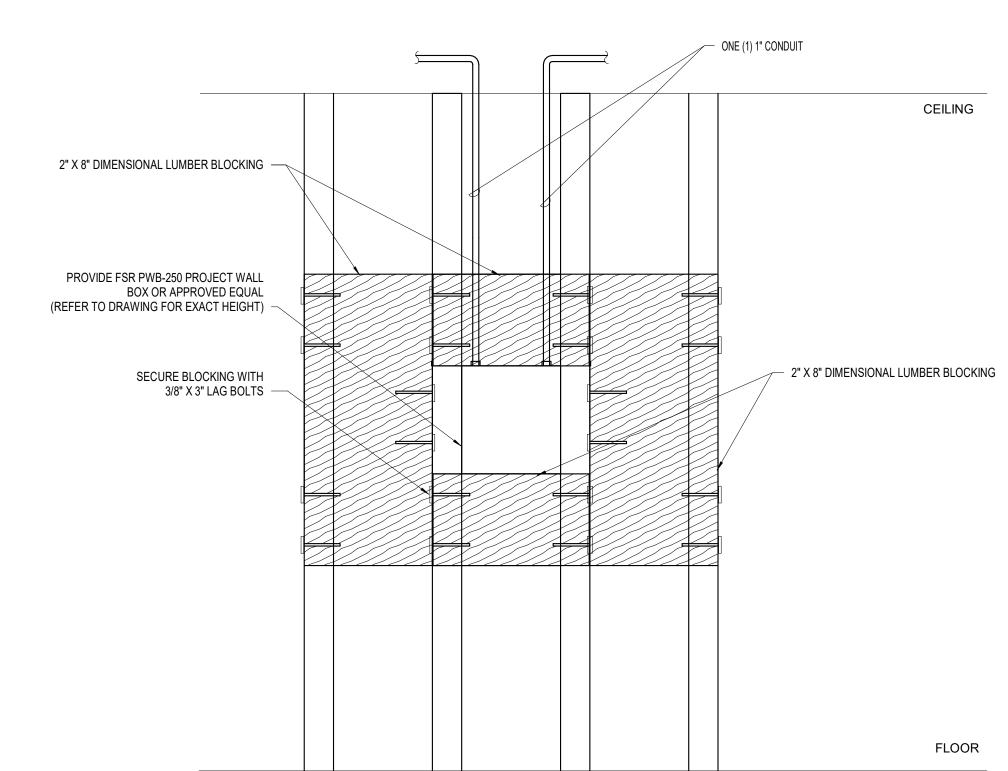
WITH NO CEILING

SERVICE LOOP SERVICE LOOP **NEATLY BUNDLED NEATLY BUNDLED** AND SUPPORTED BUSHINGS PLASTIC INSULATED 90° FACTORY ELBOWS W/INSULATED BUSHINGS STRUCTURE -**BUSHINGS** -90° FACTORY ELBOWS ACCESSIBLE - STUB CONDUIT 12" ABOVE W/INSULATED BUSHINGS LAY-IN CEILING-ACCESSIBLE LAY-IN CEILING ONE (1) 1" CONDUIT -ONE (1) 1" CONDUIT -**ACCESSIBLE** ONE (1) 1-1/4" CONDUIT - ONE (1) 1-1/4" CONDUIT CONCEALED IN WALL CONCEALED IN WALL LAY-IN CONCEALED IN WALL CONCEALED IN WALL CEILING RANDL T-55017-USA RANDL T-55017-USA (OR APPROVED EQUAL) (OR APPROVED EQUAL) WITH DOUBLE GANG WITH DOUBLE GANG PLASTER RING -PLASTER RING REFER TO SYMBOLS **FINISHED** FINISHED REFER TO SYMBOLS LEGEND FOR FLOOR -FLOOR — LEGEND FOR MOUNTING MOUNTING HEIGHTS HEIGHTS **ROUGH-IN NOTES: ROUGH-IN NOTES:** 1. PROVIDE PULL STRINGS IN ALL CONDUITS. PULL STRINGS SHALL BE 1. PROVIDE PULL STRINGS IN ALL CONDUITS. PULL STRINGS SHALL BE INSTALLED IN EMPTY AND FULL CONDUITS. INSTALLED IN EMPTY AND FULL CONDUITS. MOUNTING HEIGHTS TO BE INSTALLED ABOVE COUNTERS OR IN 2. MOUNTING HEIGHTS TO BE INSTALLED ABOVE COUNTERS OR IN CASEWORK SHALL BE COORDINATED WITH THE ARCHITECT AND CASEWORK SHALL BE COORDINATED WITH THE ARCHITECT AND 

2-GANG TELECOMMUNICATIONS OUTLET ROUGH-IN DETAIL <u>2-GANG TELECOMMUNICATIONS OUTLET ROUGH-IN DETAIL</u> WITH ACCESSIBLE LAY-IN CEILING WITH NO CEILING

> SINGLE GANG ROUGH-INS SHALL BE INSTALLED FOR ELECOMMUNICATIONS OUTLETS WITH FOUR (4) DATA CABLES OR LESS AND AT LOCATIONS INDICATED IN DRAWINGS UNLESS NOTED OTHERWISE

NEW WALL CONSTRUCTION 2-GANG DATA/VIDEO POUGH-IN DETAILS
NOT TO SCALE



MONITOR BLOCKING ROUGH-IN DETAIL

SERVICE LOOP NEATLY BUNDLED NEATLY BUNDLED PLASTIC INSULATED AND SUPPORTED AND SUPPORTED BUSHINGS -90° FACTORY ELBOWS PLASTIC INSULATED W/INSULATED BUSHINGS BUSHINGS -STRUCTURE -90° FACTORY ELBOWS ACCESSIBLE - STUB CONDUIT 12" ABOVE W/INSULATED BUSHINGS LAY-IN CEILING — ACCESSIBLE LAY-IN CEILING ACCESSIBLE ONE (1) 1" CONDUIT -- ONE (1) 1" CONDUIT CONCEALED IN WALL LAY-IN CONCEALED IN WALL CEILING RANDL T-55017-USA RANDL T-55017-USA (OR APPROVED EQUAL) (OR APPROVED EQUAL) WITH SINGLE GANG WITH SINGLE GANG PLASTER RING -PLASTER RING — REFER TO SYMBOLS **FINISHED FINISHED** REFER TO SYMBOLS LEGEND FOR FLOOR — FLOOR — LEGEND FOR MOUNTING MOUNTING HEIGHTS HEIGHTS ROUGH-IN NOTES: **ROUGH-IN NOTES:** 1. PROVIDE PULL STRINGS IN ALL CONDUITS. PULL STRINGS SHALL BE 1. PROVIDE PULL STRINGS IN ALL CONDUITS. PULL STRINGS SHALL BE INSTALLED IN EMPTY AND FULL CONDUITS. INSTALLED IN EMPTY AND FULL CONDUITS. MOUNTING HEIGHTS TO BE INSTALLED ABOVE COUNTERS OR IN 2. MOUNTING HEIGHTS TO BE INSTALLED ABOVE COUNTERS OR IN

> SINGLE GANG ROUGH-INS SHALL BE INSTALLED FOR ELECOMMUNICATIONS OUTLETS WITH FOUR (4) DATA CABLES OR LESS AND AT LOCATIONS INDICATED IN DRAWINGS UNLESS NOTED OTHERWISE

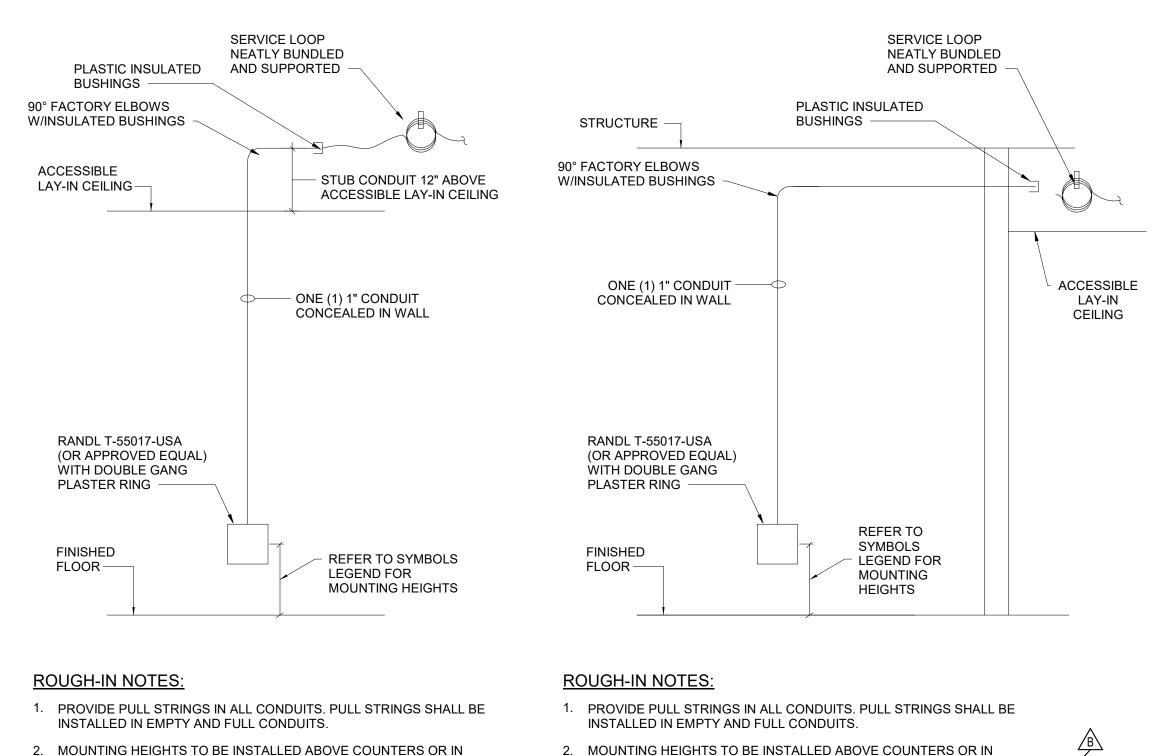
NEW WALL CONSTRUCTION 1-GANG SYSTEMS ROUGH-IN DETAILS

CASEWORK SHALL BE COORDINATED WITH THE ARCHITECT AND

1-GANG TELECOMMUNICATIONS OUTLET ROUGH-IN DETAIL

WITH NO CEILING

GENERAL CONTRACTOR IN THE FIELD PRIOR TO ROUGH-IN



2-GANG TELECOMMUNICATIONS OUTLET ROUGH-IN DETAIL 2-GANG TELECOMMUNICATIONS OUTLET ROUGH-IN DETAIL WITH ACCESSIBLE LAY-IN CEILING

CASEWORK SHALL BE COORDINATED WITH THE ARCHITECT AND

ALL CONDUITS AND FITTINGS SHALL BE EMT.

SINGLE GANG ROUGH-INS SHALL BE INSTALLED FOR ELECOMMUNICATIONS OUTLETS WITH FOUR (4) DATA CABLES OR LESS AND AT LOCATIONS INDICATED IN DRAWINGS UNLESS NOTED OTHERWISE

GENERAL CONTRACTOR IN THE FIELD PRIOR TO ROUGH-IN.

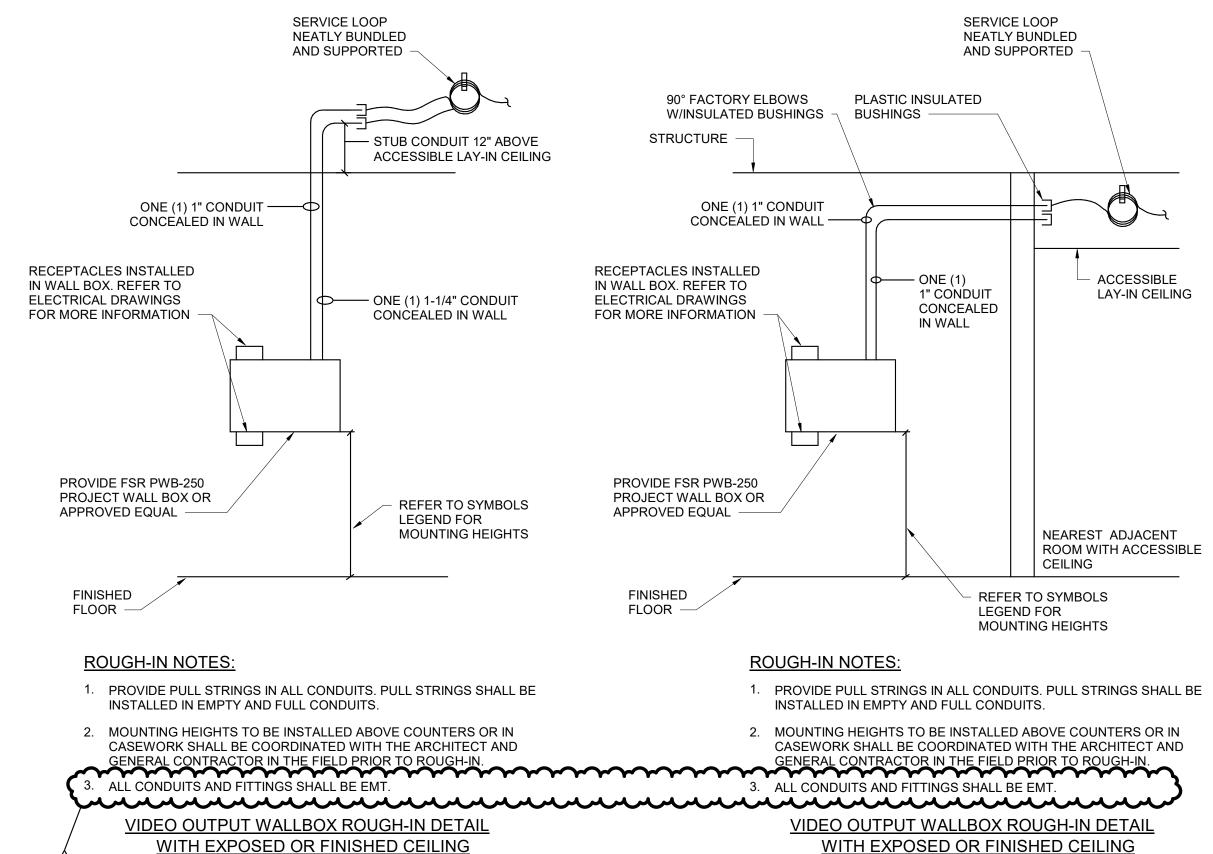
GENERAL CONTRACTOR IN THE FIELD PRIOR TO ROUGH-IN.

NEW WALL CONSTRUCTION 2-GANG SYSTEMS ROUGH-IN DETAILS

CASEWORK SHALL BE COORDINATED WITH THE ARCHITECT AND

WITH NO CEILING

ALL CONDUITS AND FITTINGS SHALL BE EMT.



NEW WALL CONSTRUCTION VIDEO OUTLET ROUGH-IN

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**ARCHITECTURAL PARTNER PERKINS & WILL** 410 N. MICHIGAN AVE SUITE 1600 CHICAGO, IL 60611 v. (312) 755-0770

**CIVIL & STRUCTURAL ENGINEER:** 8840 ALLISON BLVD INDIANAPOLIS, IN 46250 v. (317) 661-1964

> MECH. / ELECT. / PLUMB. / **FIRE PROT. ENGINEER:**

**KBSO CONSULTING** 275 VETERANS WAY SUITE 300 CARMEL. IN 46032 v. (317) 344-8044

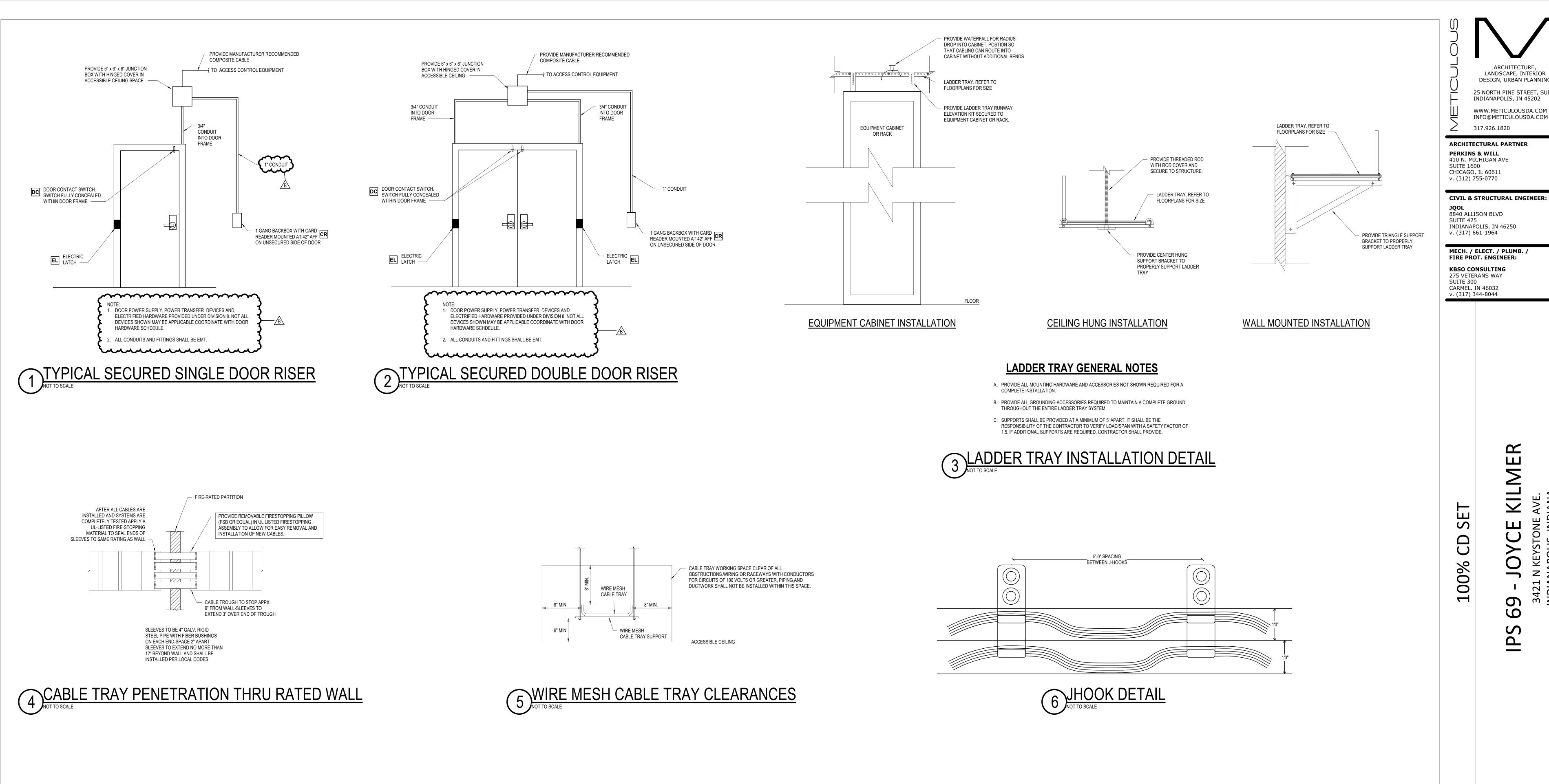
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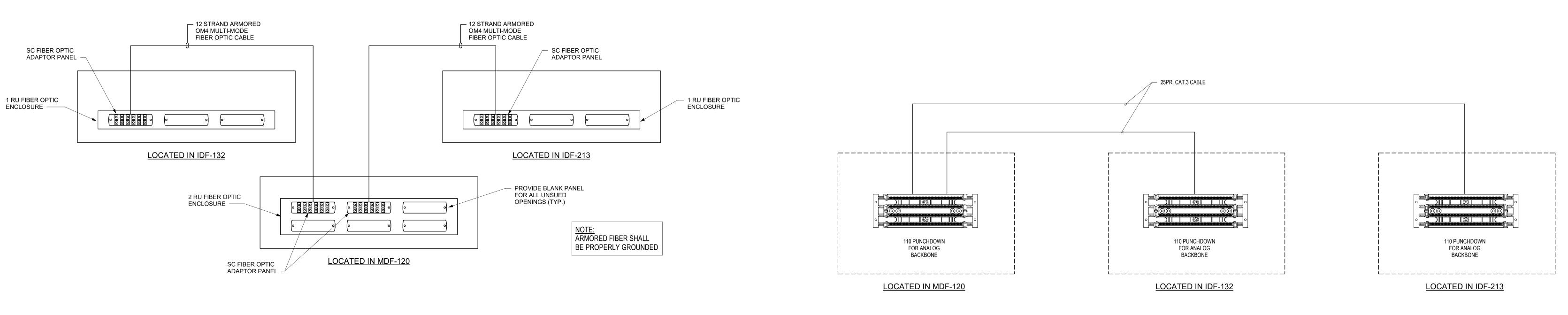
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01.17.2025 P23-0116

**TECHNOLOGY DETAILS** 

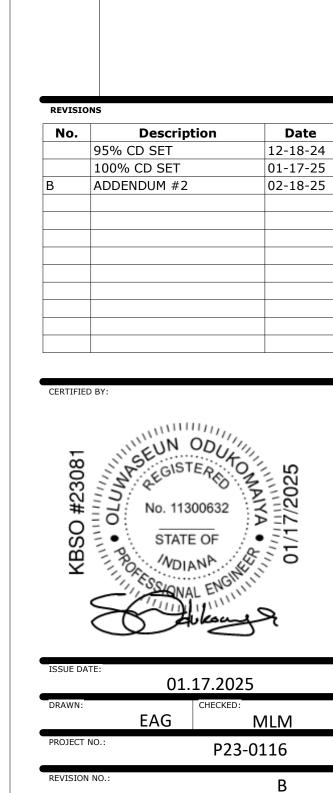
<u>Γ-501</u>





FIBER OPTIC RISER DIAGRAM

8 ANALOG BACKBONE RISER DIAGRAM
NOT TO SCALE



LANDSCAPE, INTERIOR

DESIGN, URBAN PLANNING

INDIANAPOLIS, IN 45202

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317.926.1820

25 NORTH PINE STREET, SUITE B

T-502

TECHNOLOGY

**DETAILS**