

Perforated Corrugated Color Chart

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Standard Colors

PVDF resin-based coatings provide high-performance durability for exterior and interior applications. These

Premium Finish



Teal (19)

Sierra Tan (09)





.032" aluminum .040" aluminum .050" aluminum Custom colors are available upon request.



Hemlock Green (30)

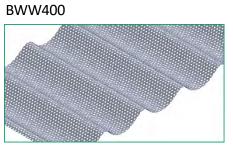


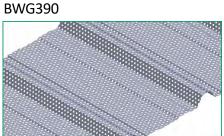


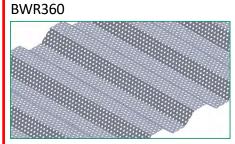


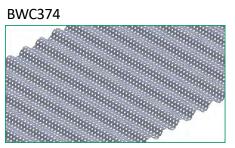
Perforated Corrugated Profiles

Nine standard profiles are offered, as well as custom options to fit any project's design intent. The panels are available in a selection of aluminum thicknesses, panel profiles, and colors.

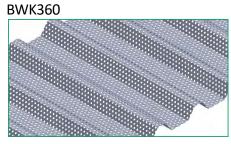


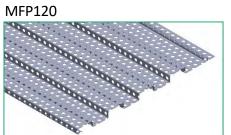


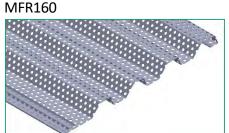


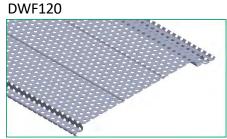












Open Area Percentages for Standard 60° Staggered Hole Patterns by Profile

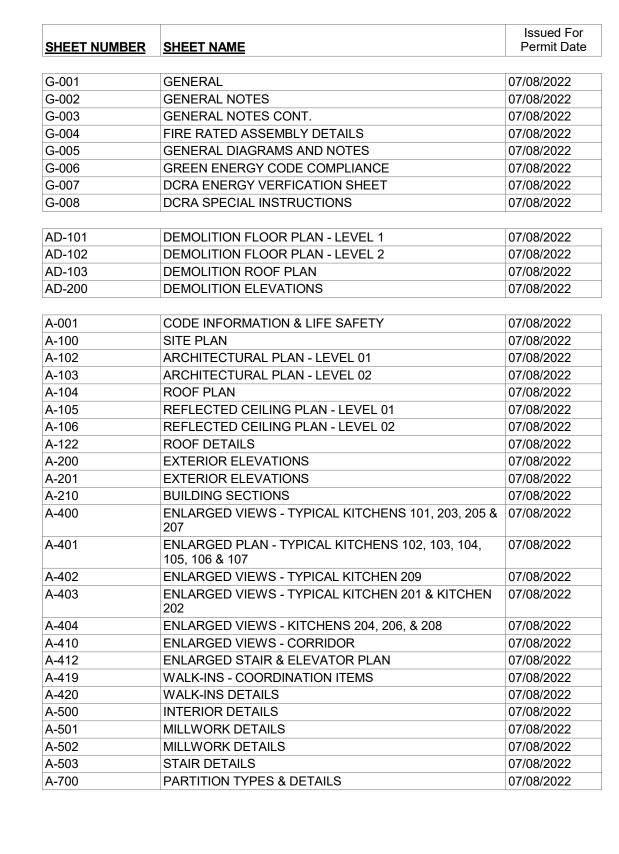
	BWC374	BWG390	BWK360	BWR360	BWW400	DWF120	MFP120	MFR160	BWS240
.125" on .188"	47.4	45.5	49.2	46.3	46.6	47.8	54.7	57.1	56.4
.125" on .218"	35.3	33.9	36.6	34.5	34.7	35.6	40.7	42.5	41.9
.125" on .250"	26.8	25.8	27.8	26.2	26.4	27.1	30.9	32.3	31.9
.125" on .375"	11.9	11.5	12.4	11.7	11.7	12.0	13.8	14.4	14.2
.188" on .313"	38.7	37.2	40.1	37.8	38.1	39.0	44.7	46.6	46.0
.250" on .500"	26.8	25.8	27.8	26.2	26.4	27.0	30.9	32.3	31.9
.375" on .500"	60.3	57.9	62.6	59.0	59.3	60.9	69.6	72.6	71.7
.375" on .563"	47.6	45.7	49.4	46.5	46.8	48.0	54.9	57.3	56.6

Aluminum Options

	BWC374	BWG390	BWK360	BWR360	BWW400	DWF120	MFP120	MFR160	BWS240
.032"	✓	✓	✓	✓	✓	✓	✓	✓	✓
.040"	✓	✓	✓	✓	✓	✓	✓	✓	✓
.050"	✓		✓	✓	✓	✓	✓	✓	✓

COMMERCIAL KITCHENS

1721 Wisconsin AVE NW, Washington, DC 20007



SHEET NUMBER	SHEET NAME	Issued For Permit Date
S-000	STRUCTURAL ISOMETRIC VIEW	07/08/2022
S-001	GENERAL NOTES	07/08/2022
S-100	STRUCTURAL FOUNDATION PLAN	07/08/2022
S-101	FIRST LEVEL CEILING FRAMING PLAN	07/08/2022
S-102	SECOND LEVEL FLOOR FRAMING PLAN	07/08/2022
S-103	SECOND LEVEL CEILING FRAMING PLAN	07/08/2022
S-104	STRUCTURAL ROOF FRAMING PLAN	07/08/2022
S-200	FOUNDATION SECTIONS & DETAILS	07/08/2022
S-400	FRAMING SECTIONS AND DETAILS	07/08/2022
S-500	TYPICAL KITCHEN AND INTERIOR DETAILS	07/08/2022
S-601	WALL SECTIONS AND DETAILS	07/08/2022
S-602	ROOF AND SCREEN DETAILS	07/08/2022
S-603	MECHANICAL SUPPORT DETAILS	07/08/2022
S-700	ELEVATOR SECTIONS AND DETAILS	07/08/2022
S-800	STAIRS SECTIONS & DETAILS	07/08/2022

SHEET NUMBER	SHEET NAME	Issued For Permit Date
	<u>'</u>	
M-000	MECHANICAL AXON	07/08/2022
M-001	MECHANICAL NOTES SYMBOLS AND ABBREVS	07/08/2022
M-002	MECHANICAL SPECIFICATIONS	07/08/2022
M-003	MECHANICAL START-UP FORMS	07/08/2022
M-004	MECHANICAL START-UP FORMS	07/08/2022
M-005	MECHANICAL START-UP FORMS	07/08/2022
M-006	MECHANICAL START-UP FORMS	07/08/2022
M-100	MECHANICAL PLAN - OVERALL LEVEL 1 & 2	07/08/2022
M-101	MECHANICAL PLAN - LEVEL 1 & 2	07/08/2022
M-201	MECHANICAL PLAN - ROOF LEVEL	07/08/2022
M-300	MECHANICAL CONTROL ZONE AND AIR BALANCE PLAN - LEVEL 1 & 2	07/08/2022
M-400	MECHANICAL ENLARGED PLANS	07/08/2022
M-401	MECHANICAL ENLARGED PLANS	07/08/2022
M-402	MECHANICAL ENLARGED PLANS	07/08/2022
M-403	MECHANICAL ENLARGED PLANS	07/08/2022
M-410	ENLARGED MECHANICAL SECTIONS	07/08/2022
M-500	MECHANICAL STANDARD DETAILS	07/08/2022
M-501	MECHANICAL STANDARD DETAILS	07/08/2022
M-502	MECHANICAL STANDARD DETAILS	07/08/2022
M-600	MECHANICAL EQUIPMENT SCHEDULES	07/08/2022
M-700	MECHANICAL RISER DIAGRAMS	07/08/2022
M-800	MECHANICAL EQUIPMENT SEQUENCE OF OPERATION	07/08/2022
M-801	MECHANICAL EQUIPMENT WIRING DETAILS	07/08/2022
M-802	MECHANICAL EQUIPMENT WIRING DETAILS	07/08/2022

THE PROJECT INVOLVES CONVERSION OF EXISTING RESTAURANTS TO MULTIPLE COMMERCIAL KITCHENS.

HOUSE SUPPORT SPACES SEE ZONING ON THIS SHEET AND BUILDING CODE ON SHEET A-001.

THE PROJECT INCLUDES (16) INDEPENDANT COMMERCIAL KITCHENS, WITH FRONT OF HOUSE AND BACK OF

E-000	ELECTRICAL AXON	07/08/2022
E-001	ELECTRICAL SYMBOLS AND ABBREVIATIONS	07/08/2022
E-010	ELECTRICAL SITE PLAN	07/08/2022
E-100	ELECTRICAL DISTRIBUTION EQUIPMENT PLAN	07/08/2022
E-101	ELECTRICAL DISTRIBUTION EQUIPMENT PLAN	07/08/2022
E-102	ELECTRICAL POWER PLAN - LEVEL 1	07/08/2022
E-103	ELECTRICAL POWER PLAN - LEVEL 2	07/08/2022
E-104	ELECTRICAL POWER PLAN - ROOF LEVEL	07/08/2022
E-201	ELECTRICAL LIGHTING PLAN - LEVEL 1	07/08/2022
E-202	ELECTRICAL LIGHTING PLAN - LEVEL 2	07/08/2022
E-400	ELECTRICAL ENLARGED PLANS - POWER & SYSTEMS	07/08/2022
E-401	ELECTRICAL ENLARGED PLANS - LIGHTING	07/08/2022
E-500	ELECTRICAL DETAILS	07/08/2022
E-501	ELECTRICAL DETAILS	07/08/2022
E-600	LUMINAIRE & LIGHTING CONTROLS SCHEDULES AND MATRIX	07/08/2022
E-601	EQUIPMENT SCHEDULES	07/08/2022
E-700	ELECTRICAL ONE LINE DIAGRAM	07/08/2022
E-701	ELECTRICAL SUBMETER	07/08/2022
E-800	ELECTRICAL PANEL SCHEDULES	07/08/2022
E-801	ELECTRICAL PANEL SCHEDULES	07/08/2022
E-802	ELECTRICAL PANEL SCHEDULES	07/08/2022
E-803	ELECTRICAL PANEL SCHEDULES	07/08/2022
FA-001	FIRE ALARM	07/08/2022
FA-101	FIRE ALARM - LEVEL 1	07/08/2022
FA-102	FIRE ALARM - LEVEL 2	07/08/2022
FA-103	FIRE ALARM - ROOF LEVEL	07/08/2022
LV-101	LV / IT FLOOR PLAN	07/08/2022
LV-102	LV / IT FLOOR PLAN	07/08/2022

SHEET NUMBER SHEET NAME

Issued For Permit Date

SHEET NUMBER	SHEET NAME	Issued For Permit Date
P-000	PLUMBING AXON	07/08/2022
P-001	PLUMBING NOTES, SYMBOLS, AND ABBREVIATIONS	07/08/2022
P-002	PLUMBING SPECIFICATIONS	07/08/2022
P-003	PLUMBING PIPE MATERIALS, SCHEDULES AND NOTES	07/08/2022
P-004	PLUMBING SITE PLAN	07/08/2022
P-100	PLUMBING PLAN - BELOW GRADE	07/08/2022
P-101	PLUMBING PLAN - LEVEL 1 - DRAINAGE	07/08/2022
P-102	PLUMBING PLAN - LEVEL 1 - DOMESTIC WATER	07/08/2022
P-103	PLUMBING PLAN - LEVEL 1 - NATURAL GAS	07/08/2022
P-104	PLUMBING PLAN - ROOF LEVEL	07/08/2022
P-400	PLUMBING ENLARGED PLANS	07/08/2022
P-401	PLUMBING ENLARGED PLANS	07/08/2022
P-402	PLUMBING ENLARGED PLANS	07/08/2022
P-403	PLUMBING ENLARGED PLANS	07/08/2022
P-500	PLUMBING DETAILS	07/08/2022
P-600	PLUMBING SCHEDULES	07/08/2022
P-700	PLUMBING RISER DIAGRAM - DRAINAGE	07/08/2022
P-701	PLUMBING RISER DIAGRAM - DOMESTIC WATER	07/08/2022
P-702	PLUMBING RISER DIAGRAM - NATURAL GAS	07/08/2022
FS-001	FIRE SPRINKLER NOTES & SPECIFICATIONS	07/08/2022
FS-002	FIRE SPRINKLER PLAN	07/08/2022
FS-003	FIRE SPRINKLER PLAN - UPPER VOLUME	07/08/2022

JURSIDICTION: ZONING DISTRICT: MU-4 ZONING CASE NUMBER 20752 EXISTING USE GROUP: SPECIAL ZONING:

GEORGETOWN

ASSEMBLY GROUP 1-2, RESTAURANT PROPOSED USE GROUP: FOOD DELIVERY SERVICE SUP REQUIRED

Deferred Submittals - FIRE SPRINKLERS - FIRE ALARM - LOW VOLTAGE

Scope Of Work

- SECURITY

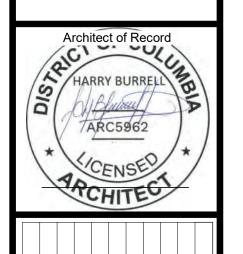
Team Members

<u>Structural</u> <u>Mechanical</u> JEFF DEAL, P.E. Contact: EDUARDO AVILES, P.E. | Contact: ALEX ZVONARYOV, P.E. Contact: HARRY BURRELL, R.A. | Contact: CHRISTOPHER HUSKA | Contact: 500 West Fulton Street | Email: 500 West Fulton Street Email: 550 North Main Street | Email: 1050 30th ST NW Email: 500 West Fulton Street | Email: Address: Suite 6 Attleboro, MA 02703 Address: (866)-609-0688 Sanford, FL 32771 Address: (407)-322-6841 Sanford, FL 32771 (407)-322-6841 Washington, DC 20007 Address: (703)-969-0413 Sanford, FL 32771 Address: (407)-322-6841 Phone: NONE Electrical NONE Fire Protection <u>Landscape</u> **Specialty** JEFF DEAL, P.E. | Contact: ALEX ZVONARYOV, P.E. Contact: JEFF DEAL, P.E. Contact: 500 West Fulton Street | Email: 500 West Fulton Street | Email: 500 West Fulton Street Email: Email: Email: Sanford, FL 32771 Address: Sanford, FL 32771 Address: Sanford, FL 32771 Address: Address: Address: (407)-322-6841 (407)-322-6841 Phone: Phone: Phone:

A Full Service

A & E Firm Miami, FL 33135 Ph:305.274.4805

Plans Prepared By



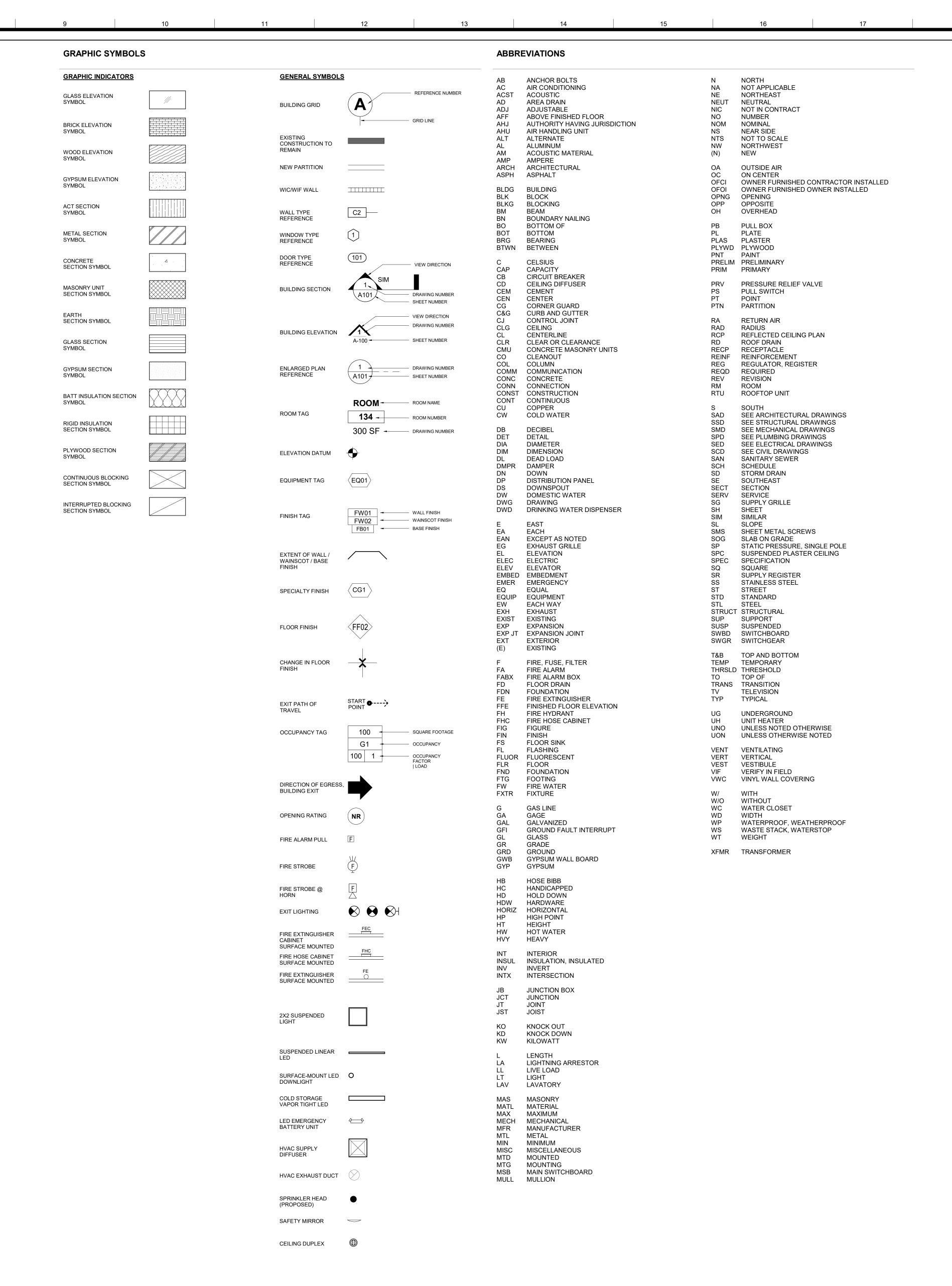
Drawn: Checked: Checker Job No.: 08/15/2022

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND Sheet No.

A-	FUR	NISHED	INST	ALLED	
Responsibility Matrix		I was		3358	
Responsibility Matrix	C)	OWNER	G.C.	OWNER	CLARIFICATION / REMARKS
MECHANICAL EQUIPMENT	9	0	0	0	CLARIFICATION / REMARKS
KITCHEN EXHAUST HOODS		Х	X		Including supports (below or above roof)
KITCHEN EXHAUST HOOD TEMPERATURE SENSORS		x	x		Sensors are factory-installed with hood; see "MECHANICAL WIRING" line item for wiring responsibilities
KITCHEN EXHAUST HOOD LIGHTS	×		x		Lights are factory-wired to hood-mounted switch; see "KITCHEN EXHAUST AND VENTILATION CONTROLS"
KITCHEN EXHAUST HOOD FIRE SUPRESSION SYSTEM		х		x	line item for wiring between switch and hood control panel responsibilities Relevant for hoods; hood fire supression sub (direct-to-owner) furnishes and installs misc. connections, piping,
					liquid, and K-class extinguishers
KITCHEN EXHAUST HOOD FIRE SUPRESSION SYSTEM GAS VALVES		Х	X		Hood fire supression sub (direct-to-owner) furnishes gas valves
KITCHE EXHAUST HOOD SS PANELS (AT BACK OF HOOD) KITCHEN EXHAUST FANS		X	X		
KITCHEN EXHAUST FAN ROOF CURBS		Х	X		
KITCHEN EXHAUST AND VENTILATION CONTROLS		X	X	1	Includes hood light switch
BUILDING HVAC SYSTEM - MAU'S		X	X		Condensate routing from rooftop equipment F&I by Contractor If split system: refrigerant piping & charging F&I by Contractor (including supports)
MAU ROOF CURBS		X	X		
BUILDING HVAC SYSTEM - DOAS		x	x		Condensate routing from rooftop equipment F&I by Contractor If split system: refrigerant piping & charging F&I by Contractor (including supports)
DOAS ROOF CURBS		Х	X		
BUILDING HVAC SYSTEM - RTUS (when required)		X	x		Condensate routing from rooftop equipment F&I by Contractor Room/hallway sensors F&I by Contractor
		~	~		Refrigerant piping & charging F&I by Contractor (including supports)
RTU/OTHER ROOF CURBS (when required)	х		Х		Including fresh air duct curbs if any
					Condensate routing from rooftop equipment F&I by Contractor
BUILDING HVAC SYSTEM - MINI SPLIT SYSTEMS		X	X		Room/hallway sensors F&I by Contractor Refrigerant piping & charging F&I by Contractor (including supports)
MINI SPLIT SYSTEM ROOF CURBS	х		х		mentigerant piping a charging rainty contractor (including adplorts)
OTHER VENTILATION SYSTEMS		X	x		Includes restroom and other misc. exhaust fans
MECHANICAL WIRING	х		X		Low voltage (temp sensors, t-stat,-Unit and zone interconnecting wiring, data, fan speed) and high voltage (shur trip, motor power), including any required roof penetrations to rooftop equipment (exaust fans, condensing unit
	0.000				etc.)
SYSTEM COMMISSIONING			X	1	"Start up" and test/balance of the full mechanical system
HVAC EQUIPMENT START UP AND OPERATIONAL TABB			x		All mechanical (HVAC) components installed per design. Equipment including all Owner Furnished Equipment is set up and shown to be operational. All wiring in place with power and gas "live" to all equipment. Mechanical contractor has ran all equipment "in hand" and equipent is now running via packaged controlls. TABB has occured to verify KEF exhaust rates, confirmed and recorded LAT conditions for all units in heating and cooling modes.
DESIGN-BUILD FIRE ALARM	x	Ħ	x		Scope to be permitted, coordinated, scheduled by GC, conduit (as required) by GC including all required HVAC
DESIGN-BUILD FIRE SPRINKLER	x		X	4	system tie-ins are installed and coordinated. Scope to be permitted, coordinated, scheduled by GC
REMAINING MECHANICAL EQUIPMENT NOT LISTED ABOVE BUT	x		x		
SHOWN IN PERMIT SET	^		^		Including but not limited to T-Stats
BUILDING MANAGEMENT SYSTEM (BMS)	V		V		Manager Product and College Control of the Control of C
ACCOMODATE BMS WIRING ROOF PENETRATION LOW-VOLTAGE WIRING INSTALL (INCLUDING CATSE TO FROM	_ X		X	200	If applicable, typically penetrates at mechanical roof curb
CENTRAL CP TO IT RM)		X		X	Installed by BMS/Controls Contractor (direct to owner)
LOW-VOLTAGE WIRING MATERIAL (INCLUDING CATSE TO FROM		х			Furnished by BMS/Controls Contractor (direct to owner)
CENTRAL CP TO IT RM) WIRING TERMINATIONS AT CONTROLLERS	-	х	_	x	Installed by BMS/Controls Contractor (direct to owner)
BMS CONTROLLERS		X		X	Furnished & Installed by BMS/Controls Contractor (direct to owner)
OTHER BMS HARDWARE/MATERIAL		Х		Х	Furnished & Installed by BMS/Controls Contractor (direct to owner)
120V POWER WIRING TO CENTRAL BMS PANEL	_ x		X	200	Furnished & Installed by Electrical Contractor
120V POWER WIRING FROM EXHAUST FAN TO BACNET CONTROLLER	х		Х		Daisy-chained off exhaust fan circuit. Less than 5 ft of wiring. Furnished & Installed by Electrical Contractor
BMS PROGRAMMING & GRAPHICS	2	х		×	Furnished & Installed by BMS/Controls Contractor (direct to owner)
BMS START-UP, FUNCTIONAL TESTING, COMMISSIONING & T&B	i)			x	Completed by BMS/Controls Contractor (direct to owner)
SUPPORT				255	ETHERTON AND ASSESSED IN STREET, MAINTINGS
DUCTING			290		Including supports (below or above roof). Duct comes double walled where necessary. No fire wrapping
LISTED PRE-FAB (NON-WELDED) GREASE DUCT		X	Х		required.
BLACK IRON/FIELD-WELDED GREASE DUCT (if needed)	Х		X		Including supports (below or above roof), insulation Including restroom/mat wash exhaust, gas flues, and outside air; including supports (below or above roof),
NON-GREASE AIR DUCTING (METAL)	х		х		insulation. Also including all DOAS ductwork that connects to the fabric duct distribution. SA ductwork shall be insulated per code.
NON-GREASE AIR DUCTING (FABRIC)		х	X		Including supports
OTHER EQUIPMENT AND FIXTURES		1000	17.15		Expression and the Property of the Control of the C
DOORS, FRAMES & HARDWARE		Х	X	36	Does not include storefront
STOREFRONT AND WINDOWS	X	100	X		Per plans
ICE MACHINE		X	X		GC responsible for piping, connection and backflow devices as required. Power shown on plans by GC. **Provide an ALT price for one-sided drywall if cubbies are not ready for
FOOD CUBBIES			X		Power shown on plans by GC. **Provide an AL1 price for one-sided drywall if cubbles are not ready for installation during build phase**
SAFETY MIRRORS		X	10.0		

ALGADIO (pre-record X X X X X X X X X	EMPLOYEE LOCKERS	204	Х	Х		
NAME NOTICES (CONTROLS OF THE STREAMERS, FUSES OF THE STREAMERS, FUSES OF THE STREAMERS OF	ADA / CODE-REQUIRED SIGNAGE	X				
MAIN SMITCHORDAD STREAM CONTROLLS (ADD CENTERS BREAKINS, RUSS) X X X Entire light finiture package provided by Owner. First light finiture package provided by Owner. Control of the Control of the Devolution, it is to be assumed that is a control of the Control of the Devolution, it is to be assumed that is a control of the C		Х		X		Hand sinks, Ice machine filters, Type K Kitchen Extinguishers, televisions/monitors
LIGHT FATCHES X X X X X X X X X X X X X			Х	X	T	
RECEPTACLES X X X X X X X X X X X X X	DISTRIBUTION PANELS, LOAD CENTERS, BREAKERS, FUSES		X	х		
CLECTRICAL SIMMETERS X X X X Commissioning with member support to promit representatives of the protections. An intervincion connections. Comparison for instal & commissioning with member support to promit representatives of the protection. An intervincion connections. Comparison for instal & commissioning with member support to promit representatives of the objects of submerce. X X X X X X X X X X X X X X X	LIGHT FIXTURES		Х	X		Entire light fixture package provided by Owner.
Co to provise enclosure, DN ruit, unique provident, in Annivolvino Capital Security (Commissioning with membrane special type of the control of a spaces. Kinchers vacation stands to the electrical submissions, which membrane shall be subtracted in the legister with the special submission. **PUMBING**	RECEPTACLES	x		×		If Panel schedule does not explicitly identify the GFCI to be located at the breaker, it is to be assumed that a
ELECTRICAL SIMMETERS X X						
weder submeters book to the electrical submeters. Value of the Strate Spewring energy code minimum 's handleinne' sublicions for all spaces. Kitchess Value years growing energy code minimum 's handleinne' sublicions for all spaces. Kitchess Value years growing energy code minimum 's handleinne' sublicions for all spaces. Kitchess Value years growing energy engage energy energy engage energy engage energy engage enga	ELECTRICAL SUBMETERS		х	×		
AND TERRETORY DOUBLES (1985) TERRETORY OR SENSE INTERCEPTOR (AS NEIDED) AND SERVICE HYDROUGH FUNDERS (1985) AND SERVICE			-	100		사람들이 보면 가장 사람이 있다면 사람들이 되었다면 하면 되었다면 되었다면 되었다면 하면 보다 되었다면 하면 보다 되었다면 하는데 사람이 되었다면 하는데 사람이 사람이 사람이 사람이 사람이 되었다.
Hallways, legif thruse do not have hetegrated excess a standaries sensor to be provided at correct. WE Owner Familiabe light thruse contains religion of contents of the provided at correct. WE Owner Familiabe light thruse contains religion of contents of the provided at correct. WE Owner Familiabe light thruse contains religion of contents of the provided and thrush the light of the provided and thrush the light of the contents of the provided and thrush the light of the contents of the providing pr						Package should include governing energy code minimum 'standalone' solutions for all spaces. Kitchens:
Owner Furnished light fiftures contains integral occupancy sensors. Exteror lights: Owner furnished light fitures contains integral of cocleaning sensors. Exteror lights: Owner furnished light fitures contains with integrated photocic set. OCI to be responsible for uncertains, setting in place, mounting & securing, providing howeversing and and plumbing and electrical connections and all recessary instabilities received in Manufacturer's requirements. OCI to be responsible for uncertains, setting in place, mounting & securing, providing howeversing and and plumbing and electrical connections and all recessary instabilities received with Manufacturer's requirements. OCI to be responsible for uncertains, setting in place, mounting & securing, backfilling and contractive work and providing pumbing connections and all necessary instabilities received with Manufacturer's requirements. OCI to be responsible for development of the providing pumbing connections and all necessary instabilities received with Manufacturer's requirements. OCI to be responsible for development of the seem of the providing pumbing connections and all necessary instabilities received with Manufacturer's requirements. OCI to be responsible for development of the providing pumbing connections and all necessary instabilities on scope in accordance with Manufacturer's requirements. OCI to be responsible for development of the providing pumbing connections and all necessary instabilities on scope in accordance with Manufacturer's requirements. OCI to be responsible for development of the providing pumbing connections and all necessary instabilities on scope in accordance with Manufacturer's requirements. OCI to be responsible for development of the providing pumbing pumbing pumbing pumbing for the pumbing connections and all necessary instabilities to stake in the pumbing connections and all necessary instabilities to stake in the pumbing connections and all necessary instabilities to stake in the pumbing connections and all necessary ins	our near Language and season and a	95				Vacancy sensors integrated into the light switch. Restroom: Occupancy sensor integrated into the light swit
FILLING COLORS TIC WATER HEATER X X X COC to be responsible for unreating, setting in place, mounting & securing, providing housekeeping pad and plumbing and description and all necessary installation scope in accordance with Manufacturer's requirements. SEVER HYDRO JETTING X X X SERVER HYDRO JETTING	LIGHT FIXTURE CONTROLS	×		X		그 마다 이 가는 것이 되어 가는 것이 되었다. 그는 사람이 되었다면 가게 되었다면 하면 하는 것이 되었다면 하는 것이 되었다면 하는 것이 없어요? 그는 것이 없어요? 그는 것이 없어요? 그는 것이 없어요?
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-THIS MATRIX IS PART OF AND SHALL BE CONSIDERED A PART OF THE AGREEMENT AND ANY INCONSISTENCIES OR CONFLICTS SHALL BE GOVERNED BY THE PROVISIONS OF SECTION 1.2.5



www.cphcorp.com A Full Service A & E Firm 1992 SW 1st ST. Miami, FL 33135 Ph:305.274.4805 Plans Prepared By: CPH, Psc. #283611 **District Of Columbia** Architect of Record ARC5962 PRCHITEC CELEBRATING Designed: Designer Drawn: Checked: Checker Job No.: 08/15/2022 THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND Sheet No.

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THE CONTRACTOR SHALL READ ALL GENERAL AND SPECIFIC NOTES AND BE BOUND TO THEIR REQUIREMENTS. EACH CONTRACTOR IS RESPONSIBLE TO REVIEW THE FULL SCOPE OF THE ENTIRE JOB, NOT JUST TRADE SPECIFIC SHEETS. IT IS THE SUBS RESPONSIBILITY TO NOTIFY THE CONTRACTOR OF ANY AND ALL POTENTIAL DISCREPANCIES, CONFLICTS OR OMISSIONS WITH THE DRAWINGS RELATIVE TO THEIR WORK THAT MAY CAUSE CODE ISSUES, CONFLICTS WITH OR BY OTHER TRADES ETC EACH CONTRACTOR SHALL EXAMINE THE JOB SITE BEFORE SUBMISSION OF BID TO UNDERSTAND THE EXISTING CONDITION, CONSTRUCTION DOCUMENTS AND, IF ANY, DESIGN ERRORS OR OMISSIONS AND NONCONFORMITY WITH LOCAL LAWS AN, CODES AND REGULATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND OWNER BEFORE ENTERING INTO CONTRACT WITH THE OWNER OF ANY INTERFERENCE, DISCREPANCIES, OR NONCONFORMITY DISCOVERED OR MADE KNOWN TO THE CONTRACTOR. SHOULD THE CONTRACTOR FIND DISCREPANCIES, OMISSIONS, AMBIGUITIES OR CONFLICT WITH THE CONSTRUCTION DOCUMENTS OR BE IN DOUBT OF THEIR MEANING AFTER VISITING THE SITE OR DURING CONSTRUCTION THE CONTRACTOR SHALL IMMEDIATELY BRING ANY QUESTIONS TO THE ATTENTION OF THE ARCHITECT AND OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK WHICH INCLUDES, BUT IS NOT LIMITED TO, ALL NECESSARY DESIGN, LABOR, MATERIALS, TAXES, INSURANCE, ACCESSORIES, EQUIPMENT, HARDWARE, FASTENERS, TOOLS, LAYOUT ENGINEERING SUPERVISION, HOISTING, RIGGING, SCAFFOLDING,

SHOP DRAWINGS, PACKAGING, SUBMITTALS, TRANSPORTATION, GUARANTEES. WARRANTIES, TRUCKING, FUEL, FREIGHT, DELIVERY, PERMITS, AND ALL OTHER SERVICES, REQUIRED FOR THE FULL AND COMPLETE PERFORMANCE OF THE WORK AS DEPICTED IN THE PROJECT DOCUMENTS AND INCLUDES ALL CONTRACT DOCUMENTS IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, ADDENDA, REVISIONS, SKETCHES, AND OTHER INFORMATION PROVIDED BY THE OWNER. NO CLAIM FOR ADDITIONAL COSTS WILL BE ACCEPTED FOR MISSING PARTS OR OMITTED DETAILS OF THE OVERALL WORK ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL PUBLIC UTILITY REGULATIONS AND ALL OTHER LAWS OR CODES HAVING JURISDICTION, ANY WORK NOT CONFORMING TO CODE SHALL BE REMEDIED BY THE CONTRACTOR. ANY AND ALL REQUIRED FIELD MODIFICATIONS RESULTING FROM INSPECTIONS BY THE AUTHORITY HAVING JURISDICTION (AHJ) SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS. METHODS. TECHNIQUES SEQUENCES OR PROCEDURES AND SAFETY PRECAUTIONS

ALL ITEMS SCHEDULED TO BE OWNER FURNISHED ARE THE CONTRACTOR'S RESPONSIBILITY TO INVENTORY, SECURE ON SITE, AND INSTALL AS REQUIRED ONCE DELIVERED TO SITE. THE CONTRACTOR SHALL COORDINATE WITH SUPPLIERS, RECEIVE DELIVERIES, UNPACK, VISUALLY INSPECT FOR DAMAGES WITHIN 24 HOURS OF RECEIPT, INVENTORY, SECURE AND REMOVE GARBAGE FROM JOBSITE. PROVIDE LIST OF INVENTORY TO OWNER. ANY DISCREPANCIES FOR WHICH THE CONTRACTOR FAILS TO NOTIFY THE OWNER WITHIN TWENTY-FOUR HOURS WILL BE CONSIDERED ACCEPTED BY THE CONTRACTOR AND ANY REPAIRS OR REPLACEMENT OF SUCH ITEMS WILL BE ENTIRELY AT CONTRACTOR'S EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR THE DISPOSAL OF ALL REFUSE AND CONSTRUCTION DEBRIS, AND CLEANING SOILED SPOTS ON SURFACES, OR REPLACING WHERE CLEANING HAS FAILED.

THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED BY THE CONTRACTOR AND ENSURE THAT ALL SURFACES ARE LEFT CLEAN AND ORDERLY AND ACCEPTABLE TO THE OWNER READY FOR OCCUPANCY THE CONTRACTOR SHALL ENSURE THAT ALL SUBCONTRACTED WORK IS COORDINATED AND SHALL PROVIDE AND COORDINATE BLOCKING FOR ALL EQUIPMENT. SYSTEMS. MATERIALS OR ACCESSORIES. THE CONTRACTOR SHALL CONDUCT WEEKLY CONSTRUCTION MEETINGS TO REVIEW PROJECT STATUS WITH ARCHITECT AND OWNER'S REPRESENTATIVE.

THE CONTRACTOR SHALL MAINTAIN ON SITE ONE SET OF THE LATEST RECORD DOCUMENTS ON SITE. THE CONTRACTOR SHALL MAINTAIN THE FOLLOWING, WITH UPDATES DISTRIBUTED TO THE ARCHITECT AND OWNER ON A WEEKLY BASIS: CHANGE ORDER AND CHANGE DIRECTIVE LOGS,

SHOP DRAWING LOGS. CONTRACTOR SUBMITTAL LOG, LOG OF ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS,

PROJECT BULLETINS IN COLD CLIMATES, DO NOT USE FROZEN MATERIALS OR BUILD ON FROZEN PROVIDE ALL MATERIALS AND TYPES OF FASTENERS, PROTECTIVE COATINGS. SEALANTS AND OTHER MISCELLANEOUS ITEMS REQUIRED FOR A COMPLETE INSTALLATION OF ALL COMPONENTS, ITEMS, ACCESSORIES AND EQUIPMENT SHALL BE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND APPROVED SUBMITTALS AND/OR SHOP DRAWINGS

METAL PROTECTION: PROTECT METALS AGAINST GALVANIC ACTION BY SEPARATING DISSIMILAR METALS FROM CONTACT WITH EACH OTHER OR WITH CORROSIVE SUBSTRATES BY PAINTING CONTACT SURFACES WITH BITUMINOUS COATING OR BY OTHER PERMANENT SEPARATION AS RECOMMENDED BY

THE CONTRACTOR SHALL PROVIDE FLASHING AND WEATHER STRIPPING AT ALL EXTERIOR OPENING HEADS, JAMBS, AND SILLS.

SUBSTITUTION PROCEDURES NO SUBSTITUTIONS ARE ALLOWED. EVEN IF SUBMITTALS ARE REVIEWED AND

RETURNED AS APPROVED OR APPROVED AS NOTED. ANY SUBSTITUTION REQUEST NEEDS TO BE EXPLICITLY SUBMITTED, REVIEWED, AND APPROVED BY THE OWNER, AND PROJECT DESIGN TEAM. SUBMIT SUBSTITUTION REQUESTS VIA OWNER'S CONSTRUCTION MANAGEMENT PLATFORM, DOCUMENTING SPECIFIED PRODUCT AND PROPOSED SUBSTITUTION WITH COMPLETE DATA INCLUDING, BUT NOT LIMITED TO: PRODUCT IDENTIFICATION, INCLUDING NAME AND ADDRESS OF

PRODUCT DESCRIPTION, PERFORMANCE AND TEST DATA, AND REFERENCE STANDARDS;

SAMPLE, IF REQUESTED DESCRIPTION OF ANY ANTICIPATED EFFECT THAT ACCEPTANCE OF PROPOSED SUBSTITUTION WILL HAVE ON THE PROJECT SCHEDULE. CONSTRUCTION METHODS, OR OTHER ITEMS OF THE WORK;

DESCRIPTION OF ANY DIFFERENCES BETWEEN SPECIFIED PRODUCT AND PROPOSED SUBSTITUTION: DIFFERENCE IN COST BETWEEN THE SPECIFIED PRODUCT AND PROPOSED SUBSTITUTION: BURDEN OF PROOF FOR SUBSTANTIATING COMPLIANCE OF PROPOSED SUBSTITUTION WITH ALL REQUIREMENTS REMAINS WITH THE CONTRACTOR.

REQUEST CONSTITUTES A REPRESENTATION THAT THE CONTRACTOR HAS INVESTIGATED THE PROPOSED PRODUCT AND DETERMINED THAT MEETS OR EXCEEDS THE QUALITY LEVEL OF THE SPECIFIED PRODUCT WILL PROVIDE THE SAME WARRANTY FOR THE SUBSTITUTION AS FOR THE SPECIFIED PROJECT

WILL COORDINATE INSTALLATION AND MAKE CHANGES TO OTHER WORK THAT MAY BE REQUIRED FOR THE WORK TO BE COMPLETE WITH NOT ADDITIONAL COST

WAIVES CLAIMS FOR ADDITIONAL COSTS OF TIME EXTENSION THAT MAY SUBSEQUENTLY BECOME APPARENT WILL REIMBURSE OWNER FOR DESIGN SERVICES ASSOCIATED WITH RE-APPROVAL BY AUTHORITIES OR REVISIONS TO THE CONTRACT DOCUMENTS TO ACCOMMODATE THE SUBSTITUTION.

SUBSTITUTIONS WILL NOT BE CONSIDERED IF THEY ARE INDICATED OR IMPLIED ON SHOP DRAWINGS OR OTHER SUBMITTALS WITHOUT SUBMISSION OF A SUBSTITUTION REQUEST

<u>SUBMITTAL NOTES</u>

PROVIDE SUBMITTALS OF EACH PRODUCT AND SYSTEM AS REQUIRED ON THE PROJECT TO THE ARCHITECT AND OWNER FOR REVIEW AND COMMENT COLLECT INFORMATION INTO A SINGLE SUBMITTAL PACKAGE FOR EACH ELEMENT OF CONSTRUCTION AND TYPE OF PRODUCT OR EQUIPMENT. CLEARLY MARK EACH COPY OF EACH SUBMITTAL TO SHOW WHICH PRODUCTS AND OPTIONS ARE APPLICABLE. AT A MINIMUM, SUBMITTAL PACKAGES SHALL INCLUDE THE FOLLOWING

PRODUCT CERTIFICATES: PREPARE WRITTEN STATEMENTS ON MANUFACTURER'S LETTERHEAD CERTIFYING THAT PRODUCT COMPLIES

WITH REQUIREMENTS MATERIAL CERTIFICATES: PREPARE WRITTEN STATEMENTS ON MANUFACTURER'S LETTERHEAD CERTIFYING THAT MATERIAL COMPLIES WITH REQUIREMENTS

JURISDICTION, THAT THE PRODUCT COMPLIES WITH BUILDING CODE IN EFFECT FOR THE PROJECT. MAINTENANCE DATA: PREPARE WRITTEN AND GRAPHIC INSTRUCTIONS AND PROCEDURES FOR OPERATION AND NORMAL MAINTENANCE OF PRODUCTS AND EQUIPMENT.

RESEARCH/EVALUATION REPORTS: PREPARE WRITTEN EVIDENCE, FROM

A MODEL CODE ORGANIZATION ACCEPTABLE TO AUTHORITIES HAVING

DESIGN DATA: PREPARE WRITTEN AND GRAPHIC INFORMATION INCLUDING, BUT NOT LIMITED TO, PERFORMANCE AND DESIGN CRITERIA LIST OF APPLICABLE CODES AND REGULATIONS, AND CALCULATIONS. INCLUDE A LIST OF ASSUMPTIONS AND OTHER PERFORMANCE AND DESIGN CRITERIA AND A SUMMARY OF LOADS, INCLUDE LOAD DIAGRAMS

IF APPLICABLE. PROVIDE NAME AND VERSION OF SOFTWARE, IF ANY USED FOR CALCULATIONS. INCLUDE PAGE NUMBERS. MANUFACTURER'S INSTRUCTIONS: PREPARE WRITTEN OR PUBLISHED INFORMATION THAT DOCUMENTS MANUFACTURER'S RECOMMENDATIONS, GUIDELINES, AND PROCEDURES FOR INSTALLING OR OPERATING A PRODUCT OR EQUIPMENT. INCLUDE NAME OF PRODUCT AND NAME. ADDRESS, AND TELEPHONE NUMBER OF

MANUFACTURER. SHOP DRAWINGS: PREPARE PROJECT-SPECIFIC INFORMATION, DRAWN ACCURATELY TO SCALE. DO NOT BASE SHOP DRAWINGS ON REPRODUCTIONS OF THE CONTRACT DOCUMENTS OR STANDARD PRINTED DATA.

MATERIAL SAMPLES: SUBMIT PHYSICAL SAMPLES FOR REVIEW OF KIND. COLOR, PATTERN, AND TEXTURE FOR A FINAL CHECK OF THESE CHARACTERISTICS WITH OTHER ELEMENTS AND FOR A COMPARISON OF THESE CHARACTERISTICS BETWEEN FINAL SUBMITTAL AND ACTUAL COMPONENT AS DELIVERED AND INSTALLED. MAINTAIN SETS OF APPROVED SAMPLES AT PROJECT SITE, AVAILABLE FOR QUALITY-CONTROL COMPARISONS THROUGHOUT THE COURSE OF CONSTRUCTION ACTIVITY.

SUBMITTAL PACKAGE NAMING CONVENTION SHALL CONFORM TO THE FOLLOWING NAMING STANDARDS:

INCLUDE PROJECT ADDRESS INCLUDE CSI SPECIFICATION SECTION INCLUDE SBMTL ABBREVIATION INCLUDE COMPANY NAME

INCLUDE ITEM TITLE INCLUDE REVISION NUMBER INCLUDE DATE IN YYMMDD FORMAT

THE FOLLOWING IS AN EXAMPLE TO FOLLOW: 123 MAIN STREET_265000_SBMTL_ACME ELECTRIC_LIGHTING

FIXTURES REV01 220101 THE CONTRACTOR SHALL REVIEW SUBMITTAL PACKAGES OF OWNER FURNISHED CONTRACTOR INSTALLED ITEMS FOR COMPLIANCE AND COORDINATION AND SHALL PROMPTLY NOTIFY THE ARCHITECT AND OWNER OF ANY DISCREPANCIES.

TESTING AND INSPECTION PROCEDURES THE OWNER SHALL DIRECTLY EMPLOY AND PAY FOR SERVICES OF AN INDEPENDENT TESTING AGENCY TO PERFORM REQUIRED TESTING AND INSPECTIONS IF REQUESTED, THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION MEETING TO REVIEW THE SCOPE OF REQUIRED TESTING AND INSPECTION. THE CONTRACTOR SHALL NOTIFY THE OWNER AND TESTING AGENCY WITH SUFFICIENT NOTICE OF ANY AND ALL ITEMS WHICH REQUIRE TESTING PRIOR TO COMMENCEMENT OF THE WORK. WHEN TESTS OR INSPECTIONS CANNOT BE PERFORMED AFTER SUCH NOTICES, CONTRACTOR SHALL REIMBURSE OWNER 2 FOR ALL TESTING AGENCY'S EXPENSES DUE TO CONTRACTOR NEGLIGENCE. THE CONTRACTOR WILL NOT PERFORM OR CAUSE TO BE PERFORMED ANY WORK UNLESS SUCH TESTING AGENCY/ENGINEER PERSONNEL ARE PRESENT OR HAVE BEEN GIVEN REASONABLE NOTICE. ITEMS REQUIRING TESTING AND INSPECTION SERVICES PRIOR TO OR DURING PLACEMENT, SHALL NOT BE PLACED LINTIL TESTING AND INSPECTION SERVICES ARE AVAILABLE ITEMS. REQUIRING TESTING AND INSPECTION SERVICES AFTER PLACEMENT SHALL NOT BE ENCLOSED OR OBSCURED UNTIL TESTING AND INSPECTION SERVICES ARE PERFORMED EMPLOYMENT OF TESTING LABORATORY SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THEIR OBLIGATIONS TO PERFORM WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. UPON COMPLETION OF TESTING, SAMPLE-TAKING, OR INSPECTION, THE CONTRACTOR SHALL REPAIR DAMAGED WORK AND RESTORE SUBSTRATES AND FINISHES TO ELIMINATE DEFICIENCIES, INCLUDING DEFICIENCIES IN THE VISUAL QUALITIES OF EXPOSED SURFACES, AS JUDGED BY THE OWNER. PROTECT WORK EXPOSED BY OR FOR TESTING AND/OR INSPECTION AND PROTECT REPAIRED WORK. REPAIR AND PROTECTION IS THE CONTRACTOR'S RESPONSIBILITY, REGARDLESS OF THE ASSIGNMENT OF RESPONSIBILITY FOR

TESTING AND/OR INSPECTION.

TEMPORARY FACILITIES AND CONTROLS PROVIDE TEMPORARY AND MAINTAIN ELECTRICAL SERVICE OF CAPACITY AND CHARACTERISTICS REQUIRED FOR CONSTRUCTION. PROVIDE AND MAINTAIN TEMPORARY LIGHTING FOR CONSTRUCTION AND SECURITY PURPOSES.

PROVIDE AND MAINTAIN TEMPORARY HEATING DEVICES REQUIRED TO MAINTAIN A MINIMUM AMBIENT TEMPERATURE OF 50 DEGREES F IN AREAS WHERE CONSTRUCTION IS IN PROGRESS. PROVIDE AND MAINTAIN TEMPORARY VENTILATION AS REQUIRED TO MAINTAIN CLEAN AIR FOR CONSTRUCTION, FACILITATE THE CURING OF MATERIALS, DISPERSE HUMIDITY AND PREVENT ACCUMULATIONS OF DUST FUMES, VAPORS

PROVIDE AND MAINTAIN TEMPORARY WATER REQUIRED FOR CONSTRUCTION. PROVIDE AND MAINTAIN CHEMICAL TOILETS FOR USE DURING CONSTRUCTION. PROVIDE AND MAINTAIN TEMPORARY FIELD OFFICES AND STORAGE SHEDS AS NECESSARY FOR CONSTRUCTION PROVIDE BARRIERS TO PREVENT UNAUTHORIZED ENTRY TO CONSTRUCTION

AREAS. PROVIDE A PROJECT SECURITY PROGRAM TO PREVENT LINALITHORIZED ENTRY. PROTECT THE WORK, STORED PRODUCTS AND CONSTRUCTION FOUIPMENT FROM THEFT. THE OWNER WILL NOT BE RESPONSIBLE FOR LOSS OR DAMAGE TO ANY TOOLS, EQUIPMENT, OR MATERIALS BY ANY CALISE PROTECT INSTALLED WORK FROM CONSTRUCTION OPERATIONS. MAINTAIN AREAS FREE FROM WASTE MATERIALS, DEBRIS, AND RUBBISH MAINTAIN THE SITE IN A CLEAN AND ORDERLY CONDITION, PROVIDE ALL

NECESSARY CONTAINERS FOR COLLECTION OF WASTE MATERIALS AND REMOVE AND DISPOSE OF OFF-SITE AS REQUIRED BY CONSTRUCTION UTILIZATION OF EXISTING EQUIPMENT SHALL BE APPROVED BY THE OWNER PRIOR TO ITS USE. PROVIDE TEMPORARY SITE WATER CONTROL BY PREVENTING PUDDLING WATER THROUGH GRADING TO DRAIN AND PROTECTING SITE FROM SOIL

EROSION. MAINTAIN EXCAVATIONS FREE OF WATER AND PROVIDE AND MAINTAIN PUMPING EQUIPMENT AS NECESSARY. PROVIDE DUST CONTROL MATERIALS AND METHODS TO MINIMIZE DUST FROM CONSTRUCTION OPERATIONS. PROVIDE CONTINUOUS MEASURES TO PREVENT FORMATION OF MOLD AND MILDEW IN THE CONSTRUCTION, DO NOT INSTALL MATERIALS SENSITIVE TO MOLD AND MILDEW GROWN UNTIL PROTECTION CAN BE PROVIDED. PROMPTLY REMOVE AND REPLACE MATERIALS EXHIBITING MOLD AND MILDEW GROWTH. CONSTRUCT AND MAINTAIN TEMPORARY PUBLIC THOROUGHFARES TO SERVE

CONSTRUCTION NEEDS AND PROVIDE FOR ACCESS BY EMERGENCY VEHICLES. KEEP FIRE HYDRANTS AND WATER CONTROL VALVES FREE FROM OBSTRUCTION AND ACCESSIBLE FOR USE. REMOVE TEMPORARY UTILITIES, EQUIPMENT, FACILITIES AND SERVICES WHEN CONSTRUCTION NEEDS CAN BE MET BY USE OF PERMANENT CONSTRUCTION OR UPON COMPLETION OF PROJECT.

CLEAN AND REPAIR DAMAGE CAUSED BY INSTALLATION OR USE OF TEMPORARY WORK AND RESTORE EXISTING AND PERMANENT FACILITIES USED DURING CONSTRUCTION TO ORIGINAL OR SPECIFIED CONDITION.

EXECUTION OF WORK NOTES

EXISTING CONDITIONS: BEFORE BEGINNING DEMOLITION, INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF UTILITIES, MECHANICAL AND ELECTRICAL SYSTEMS. AND OTHER CONSTRUCTION AFFECTING THE WORK. EXAMINATION AND ACCEPTANCE OF CONDITIONS: BEFORE PROCEEDING WITH EACH COMPONENT OF THE WORK, EXAMINE SUBSTRATES, AREAS, AND CONDITIONS, WITH INSTALLER OR APPLICATOR PRESENT WHERE INDICATED, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND 5. OTHER CONDITIONS AFFECTING PERFORMANCE. RECORD OBSERVATIONS. FIELD MEASUREMENTS: TAKE FIELD MEASUREMENTS AS REQUIRED TO FIT THE FUTURE WORK PROPERLY. RECHECK MEASUREMENTS BEFORE PROCEEDING WITH DEMOLITION. REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS: SUBMIT A REQUEST FOR INFORMATION TO THE ARCHITECT IMMEDIATELY ON DISCOVERY

OF THE NEED FOR CLARIFICATION OF THE CONTRACT DOCUMENTS CAUSED BY DIFFERING FIELD CONDITIONS OUTSIDE THE CONTROL OF THE CONTRACTOR. CUTTING AND PATCHING: USE MATERIALS FOR PATCHING IDENTICAL TO IN-PLACE MATERIALS. FOR EXPOSED SURFACES, USE MATERIALS THAT VISUALLY MATCH IN-PLACE ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE. LEVEL OF FINISH SHALL MATCH THAT OF IN-PLACE ADJACENT SURFACES. DO NOT CUT AND PATCH ELEMENTS OR COMPONENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY OR INCREASE

DEFLECTION, THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED, OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY WHEN CUTTING AND PATCHING STRUCTURAL ELEMENTS, NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF LOCATIONS AND DETAILS OF CUTTING AND AWAIT DIRECTION/CONFIRMATION FROM BOTH ARCHITECT AND STRUCTURAL ENGINEER BEFORE PROCEEDING. SHORE. BRACE. AND SUPPORT STRUCTURAL ELEMENTS DURING CUTTING AND PATCHING. DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY OR INCREASE DEFLECTION

CUTTING AND PATCHING OF EXPOSED CONSTRUCTION SHALL BE REVIEWED BY OWNER'S REPRESENTATIVE TO DETERMINE IF THE WORK WOULD REDUCE THE BUILDING'S AESTHETIC QUALITIES. ANY WORK THAT HAS BEEN CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER SHALL BE REMOVED AND REPLACED. STORE ALL MATERIALS IN MANNER TO PREVENT CONTACT WITH MATERIAL OR

PRODUCTS FROM CORROSION DEMOLITION: LOCATE THE WORK AND COMPONENTS OF THE WORK ACCURATELY, IN CORRECT ALIGNMENT AND ELEVATION, AS INDICATED, AND CONDUCT WORK SO NO PART OF IT IS SUBJECTED TO DAMAGING OPERATIONS OR LOADING IN EXCESS OF THAT EXPECTED DURING NORMAL CONDITIONS OF OCCUPANCY.

WASTE MANAGEMENT NOTES

PERFORMANCE REQUIREMENTS: USE ALL REASONABLE MEANS TO DIVERT CONSTRUCTION AND DEMOLITION WASTE FROM LANDFILLS AND REGULATORY REQUIREMENTS: COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION (AHJ).

ELEMENTS THAT COULD CAUSE STAINING OR DAMAGE AND PROTECT

ENVIRONMENTAL NOTES

CONTRACTOR HAS REVIEWED ALL REPORTS AND DOCUMENTATION PROVIDED BY OWNER AND ACCEPTS THE SITE IN ITS CURRENT CONDITION. ANY ADDITIONAL ENVIRONMENTAL WORK REQUIRED BY ANY AHJS WILL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.

CLOSEOUT PROCEDURES

PROCEDURES PRIOR TO SUBSTANTIAL COMPLETION: COMPLETE THE FOLLOWING PRIOR TO REQUESTING INSPECTION FOR DETERMINING DATE OF SUBSTANTIAL COMPLETION. LIST ITEMS BELOW THAT ARE INCOMPLETE AT TIME OF REQUEST. ADVISE OWNER OF PENDING INSURANCE CHANGEOVER

REQUIREMENTS. MAKE FINAL CHANGEOVER OF PERMANENT LOCKS AND DELIVER KEYS TO OWNER. ADVISE OWNER'S PERSONNEL OF CHANGEOVER IN SECURITY PROVISIONS COMPLETE STARTUP AND TESTING OF SYSTEMS AND EQUIPMENT PERFORM PREVENTIVE MAINTENANCE ON EQUIPMENT USED PRIOR TO SUBSTANTIAL COMPLETION FOLLOWING THE MANUFACTURER'S

RECOMMENDED MAINTENANCE SCHEDULE. REPLACE FILTERS ON MECHANICAL UNITS. INSTRUCT OWNER'S PERSONNEL IN OPERATION, ADJUSTMENT, AND MAINTENANCE OF PRODUCTS, EQUIPMENT, AND SYSTEMS VIA WALKTHROUGH OF WATER, GAS, MECHANICAL, ELECTRIC, FIRE PROTECTION AND FIRE ALARM SYSTEMS. PARTICIPATE WITH OWNER IN CONDUCTING INSPECTION AND

WALKTHROUGH WITH LOCAL EMERGENCY RESPONDERS IF REQUIRED TERMINATE AND REMOVE TEMPORARY FACILITIES FROM PROJECT SITE, ALONG WITH MOCKUPS, CONSTRUCTION TOOLS, AND SIMILAR FLEMENTS

COMPLETE FINAL CLEANING REQUIREMENTS LISTED BELOW. COMPLETE REPAIR OF WORK REQUIREMENTS LISTED BELOW FINAL CLEANING: COMPLETE THE FOLLOWING CLEANING OPERATIONS BEFORE REQUESTING INSPECTION FOR CERTIFICATE OF SUBSTANTIAL COMPLETION FOR ENTIRE PROJECT OR FOR A DESIGNATED PORTION OF PROJECT: CLEAN PROJECT SITE IN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES OF RUBBISH, WASTE MATERIAL, LITTER, AND OTHER

FOREIGN SUBSTANCES. SWEEP PAVED AREAS BROOM CLEAN. REMOVE PETROCHEMICAL SPILLS, STAINS, AND OTHER FOREIGN DEPOSITS. REMOVE TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, AND SURPLUS MATERIAL FROM PROJECT SITE.

CONDITION, FREE OF STAINS, FILMS, AND SIMILAR FOREIGN SUBSTANCES. REMOVE DEBRIS AND SURFACE DUST FROM LIMITED ACCESS SPACES. INCLUDING ROOFS, PLENUMS, SHAFTS, TRENCHES, EQUIPMENT VAULTS, MANHOLES, ATTICS, AND SIMILAR SPACES.

CLEAN EXPOSED HARD-SURFACED FINISHES TO A DIRT-FREE

CLOSEOUT PROCEDURES CONT'D

CLEAN TRANSPARENT MATERIALS. INCLUDING MIRRORS AND GLASS IN DOORS AND WINDOWS. REMOVE GLAZING COMPOUNDS AND OTHER NOTICEABLE, VISION-OBSCURING MATERIALS. REPLACE CHIPPED OR BROKEN GLASS AND OTHER DAMAGED TRANSPARENT MATERIALS. POLISH MIRRORS AND GLASS, TAKING CARE NOT TO SCRATCH

SWEEP CONCRETE FLOORS BROOM CLEAN IN UNOCCUPIED SPACES.

SURFACES REMOVE LABELS THAT ARE NOT PERMANENT CLEAN PLUMBING FIXTURES TO A SANITARY CONDITION, FREE OF STAINS, INCLUDING STAINS RESULTING FROM WATER EXPOSURE. CONTRACTOR SHALL PROVIDE A POST-CONSTRUCTION/PRE-HANDOVER FULL CLEANOUT OF ALL SANITARY LINES AND WILL PROVIDE A VIDEO SCOPE TO OWNER SHOWING ALL SANITARY LINES ARE FREE AND CLEAR OF DEBRIS PRIOR TO HANDOVER TO OWNER. REPLACE DISPOSABLE AIR FILTERS AND CLEAN PERMANENT AIR FILTERS. CLEAN EXPOSED SURFACES OF DIFFUSERS, REGISTERS, AND

CLEAN LIGHT FIXTURES, LAMPS, GLOBES, AND REFLECTORS TO FUNCTION WITH FULL EFFICIENCY. LEAVE PROJECT CLEAN AND READY FOR OCCUPANCY. REPAIR OF WORK: COMPLETE REPAIR AND RESTORATION OPERATIONS BEFORE REQUESTING INSPECTION FOR DETERMINATION OF SUBSTANTIAL

REPAIR OR REMOVE AND REPLACE DEFECTIVE CONSTRUCTION. REPAIRING INCLUDES REPLACING DEFECTIVE PARTS, REFINISHING DAMAGED SURFACES. TOUCHING UP WITH MATCHING MATERIALS. AND PROPERLY ADJUSTING OPERATING EQUIPMENT. WHERE DAMAGED OR WORN ITEMS CANNOT BE REPAIRED OR RESTORED, PROVIDE REPLACEMENTS.

REMOVE AND REPLACE CHIPPED, SCRATCHED, AND BROKEN GLASS, REFLECTIVE SURFACES, AND OTHER DAMAGED TRANSPARENT TOUCH UP AND OTHERWISE REPAIR AND RESTORE MARRED OR EXPOSED FINISHES AND SURFACES. REPLACE FINISHES AND SURFACES

THAT ALREADY SHOW EVIDENCE OF REPAIR OR RESTORATION. DO NOT PAINT OVER "UL" AND OTHER REQUIRED LABELS AND IDENTIFICATION, INCLUDING MECHANICAL AND ELECTRICAL NAMEPLATES. REMOVE PAINT APPLIED TO REQUIRED LABELS AND IDENTIFICATION.

REPLACE PARTS SUBJECT TO OPERATING CONDITIONS DURING CONSTRUCTION THAT MAY IMPEDE OPERATION OR REDUCE LONGEVITY REPLACE BURNED-OUT BULBS, BULBS NOTICEABLY DIMMED BY HOURS OF USE, AND DEFECTIVE AND NOISY STARTERS IN FLUORESCENT AND MERCURY VAPOR FIXTURES TO COMPLY WITH REQUIREMENTS FOR

LIST OF INCOMPLETE ITEMS (PUNCH LIST): PRIOR TO REQUESTING INSPECTION OF SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNER AND ARCHITECT A COMPREHENSIVE LIST OF ITEMS TO BE COMPLETED OR CORRECTED PRIOR TO FINAL PAYMENT. ORGANIZE LIST OF SPACES IN SEQUENTIAL ORDER, STARTING WITH EXTERIOR AREAS FIRST AND PROCEEDING FROM LOWEST FLOOR TO

ORGANIZE ITEMS APPLYING TO EACH SPACE BY MAJOR ELEMENT, INCLUDING CATEGORIES FOR CEILING, INDIVIDUAL WALLS, FLOORS, EQUIPMENT. AND BUILDING SYSTEMS SUBMIT LIST OF INCOMPLETE ITEMS IN ELECTRONIC FORMAT.

THE CONTRACTOR WILL ENSURE THAT ALL TRADES ARE CARRYING SCOPE FOR PUNCH LIST ITEMS ADEQUATE TO ADDRESS ANY ITEMS THAT MAY BE IDENTIFIED PRIOR TO COMPLETION OF THE WORK. ALL PUNCH LIST WORK WILL BE INCLUDED WITHIN SCOPE. SUBSTANTIAL COMPLETION: WHEN THE CONTRACTOR CONSIDERS THAT THE WORK IS

SUBSTANTIALLY COMPLETE, CONTRACTOR SHALL SUBMIT THE PUNCH LIST AND FACILITATE THE INSPECTION OF THE WORK BY THE OWNER'S REPRESENTATIVE AND ARCHITECT. ALL PUNCH LIST ITEMS SHALL BE COMPLETED IN THE TIME STATED ON THE CERTIFICATE OF SUBSTANTIAL COMPLETION PREPARED BY THE ARCHITECT

CONTRACTOR SHALL DELIVER THE COMPLETE CLOSEOUT PACKAGE PER THE GC CONTRACT NO LATER THAN 14 DAYS AFTER THE CERTIFICATE OF OCCUPANCY IS RECEIVED, IN BOTH DIGITAL AND PHYSICAL FORMATS. FINAL COMPLETION INSPECTION: SUBMIT A WRITTEN REQUEST FOR FINAL INSPECTION. ON RECEIPT OF REQUEST, CONTRACTOR SHALL BE NOTIFIED OF OF UNFULFILLED REQUIREMENTS THAT MUST BE COMPLETED OR CORRECTED BEFORE FINAL PAYMENT CERTIFICATE IS ISSUED, IF ANY. BEFORE REQUESTING FINAL INSPECTION FOR DETERMINING FINAL COMPLETION, ALL WORK SHALL BE

COMPLY WITH APPLICABLE CODES, ORDINANCES, RULES AND REGULATIONS,

DEMOLITION NOTES

INCLUDING THOSE FOR DEMOLITION, TRANSPORTATION AND DISPOSAL OF DEBRIS. ARRANGE FOR, OBTAIN PERMITS AND CERTIFICATES FOR AND PAY ALL FEES REQUIRED FOR TRANSPORTATION AND DISPOSAL OF DEBRIS DEMOLITION, UTILITY SEVERANCE OR RELOCATION AND USE OR CLOSING OF STREETS, SIDEWALKS OR OTHER PUBLIC PLACES NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. DISCONNECT UTILITIES AS REQUIRED AND PLUG ENDS WITH THREADED OR WELDED CAPS. CONTRACTOR HAS WALKED THE SITE AND ACCEPTS THE CURRENT CONDITIONS IN THEIR ENTIRETY. ANY VISIBLE AND EXPOSED ELEMENTS NEEDED TO BE REMOVED AND NOT SHOWN ON THE PLANS ARE INCLUDED BY THE CONTRACTOR AND WILL BE REMOVED AT NO ADDITIONAL COST TO THE REMOVAL OF ABANDONED HVAC DUCTWORK, MECHANICAL PIPING, PLUMBING LINES OR ELECTRICAL CONDUIT AND WIRING SHALL INCLUDE REMOVAL OF ABANDONED ITEMS BACK TO THE NEAREST ACTIVE JUNCTION, BRANCH OR CONNECTION, WHETHER THIS OCCURS WITHIN THE PROJECT SPACE OR NOT COORDINATE THIS EFFORT WITH THE BUILDING REPRESENTATIVE AND WITH LOCAL GOVERNING REGULATIONS. CAP AT SUCH JUNCTION. PROVIDE PROTECTIVE COVERINGS, SHORING, BRACING AND SUPPORTS FOR CONSTRUCTION DESIGNATED TO REMAIN PROTECT AND SUPPORT ACTIVE UTILITIES DESIGNATED TO REMAIN. PORT WARNING SIGNS SHOWING LOCATION AND TYPE OF HAZARD. STOP WORK AND NOTIFY OWNER WHEN HAZARDOUS MATERIALS ARE ENCOUNTERED. OWNER WILL ARRANGE FOR HAZARDOUS MATERIAL ABATEMENT IF REQUIRED.

CLEAN FACILITIES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION PRIOR TO SELECTIVE DEMOLITION. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, OR OTHERWISE INDICATED TO REMAIN THE OWNER'S PROPERTY, DEMOLISHED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED. A. ITEMS TO BE REMOVED AND SALVAGED/REINSTALLED: **TBD** BACKFILL EXCAVATIONS IN MAXIMUM 10IN DEEP, LOOSE EVEN HORIZONTAL LIFTS USING CLEAN SOIL. UNIFORMLY COMPACT EACH LIFT TO DENSITY OF

EXISTING SOILS. UNIFORMLY GRAE AREAS TO SMOOTH SURFACE AND ADJUST

CONTOURS TO ELIMINATE WATER PONDING AND PROVIDE POSITIVE DRAINAGE.

MAKE GRADE CHANGES GRADUALLY. BLEND SLOPES IN LEVEL AREAS.

CONCRETE NOTES SEE STRUCTURAL SPECIFICATIONS AND/OR CIVIL SPECIFICATIONS FOR WORK NOT INCLUDED IN SECTIONS BELOW CONTRACTOR SHALL CONFIRM THAT THE FOLLOWING TOLERANCES ARE

EITHER MET BY THE EXISTING CONDITIONS, OR WILL BE MET BE CONTRACTOR'S INSTALLATION AT NO ADDITIONAL COST: FOH, BOH SPACES, KITCHEN FLOORS: LEVEL WITHIN 1 INCH OVER 10 FEET MAXIMUM

WIC/F FLOORS: LEVEL WITHIN 1/4" INCH OVER 10 FEET MAXIMUM CONTRACTOR SHALL INCLUDE ALL CONCRETE RAMPS/TRANSITIONS AT THRESHOLDS AS NECESSARY AT ANY CHANGES IN ELEVATION PER SITE CONDITIONS.

REFER TO HYDRAULIC CEMENT UNDERLAYMENT NOTES IF LEVELING OF

NEW CONCRETE POUR BACK SLAB AT TRENCHINGS THAT WILL NOT RECEIVE A FINISH PER THE FINISH PLANS SHALL MATCH THE COLOR AND FINISH OF THE EXISTING ADJACENT CONCRETE. WHEN APPLICABLE, WATERPROOFING SHALL BE PROVIDED AT ALL BELOW GRADE PITS.

EXISTING CONCRETE SLAB IS REQUIRED.

WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. WORK SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT. SUBMITTAL: FOR NEW CONCRETE WORK TO BE LEFT EXPOSED, PROVIDE 3 MIX SAMPLES FOR REVIEW AND APPROVAL

METAL FABRICATION NOTES

THESE NOTES APPLY TO THE FABRICATION OF STEEL ELEMENTS WHICH ARE NOT PART OF THE STRUCTURAL FRAMING OR SUPPORT SYSTEMS. SEE STRUCTURAL SPECIFICATIONS FOR WORK NOT INCLUDED HERE. METAL FABRICATIONS SHALL BE DESIGNED TO MEET ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ, INCLUDING ASTM AND ANSI STANDARDS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

IF GALVANIZATION IS REQUIRED, SHAPES SHALL BE GALVANIZED AFTER FABRICATION PER ASTM A123. FOR METAL FABRICATIONS EXPOSED TO VIEW IN THE COMPLETED WORK. PROVIDE MATERIALS WITH SMOOTH, FLAT SURFACES WITHOUT BLEMISHES. DO NOT USE MATERIALS WITH EXPOSED PITTING, SEAM MARKS, ROLLER MARKS, WELDS, SCALE ROLLED TRADE NAMES OR ROUGHNESS. POST-INSTALLED ANCHORS IN CONCRETE SHALL BE FABRICATED FROM CORROSION-RESISTANT MATERIALS CAPABLE OF SUSTAINING, WITHOUT FAILURE, THE LOAD IMPOSED WITH A SAFETY FACTOR OF 4, AS DETERMINED BY

TESTING PER ASTM E488 OR THE LOCAL AHJ, WHICHEVER IS GREATER. EXTERIOR METAL FABRICATIONS SHALL BE SHOP PRIMED WITH RUST INHIBITING PRIMER. PROVIDE SUBMITTAL PACKAGE FOR REVIEW. PROVIDE ANCHORAGE DEVICES AND FASTENERS WHERE METAL FABRICATIONS ARE REQUIRED TO BE FASTENED TO IN-PLACE CONSTRUCTION. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. WORK SHALL

WARRANTED PER CONTRACTOR'S CONTRACT. SUBMITTALS: PROVIDE SHOP DRAWINGS AND PRODUCT DATA FOR THE PRODUCTION AND INSTALLATION OF MISCELLANEOUS METAL FABRICATION INCLUDED IN THE WORK. THIS INCLUDES BUT NOT LIMITED TO: SUPPORTS FOR COUNTERTOPS SUPPORTS FOR OVERHEAD DOORS AND OTHER APPLICATIONS WHERE

METAL LADDERS AND SAFETY CAGES

METAL BOLLARDS AND PIPE GUARDS

PRESERVATIVE-TREATED WOOD

BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND

FRAMING AND SUPPORTS ARE NOT SPECIFIED IN OTHER SECTIONS.

ROUGH CARPENTRY NOTES

THESE NOTES APPLY TO THE FABRICATION AND INSTALLATION OF ROOFTOP EQUIPMENT CURBS, BLOCKING AND NAILERS, FURRING AND PLYWOOD BACKING PANELS ROUGH CARPENTRY SHALL BE DESIGNED AND INSTALLED TO MEET ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ, INCLUDING ASTM, ASLA AND AWPA STANDARDS AND MANUFACTURER'S INSTALLATION SUBMITTAL: PROVIDE SUBMITTAL PACKAGE FOR EACH TYPE OF FACTORY-FABRICATED PRODUC

FIRE-RETARDANT WOOD SPECIAL FASTENERS AND ANCHORS AS REQUIRED. THE MAXIMUM MOISTURE CONTENT SHALL BE 19%. ALL LUMBER IN CONTINUOUS CONTACT WITH GROUND OR CEMENT SHALL BE PRESSURE TREATED PER ASPA C2 FIRE-RETARDANT-TREATED MATERIALS SHALL COMPLY WITH AWPA C20 FOR

LUMBER AND AWPA C27 FOR PLYWOOD. FIRE-RETARDANT-TREATED WOOD SHALL BE USED IN AREAS PERMITTED BY THE BUILDING CODE. PROVIDE FIRE BLOCKING IN FURRED SPACES AND OTHER CONCEALED CAVITIES AS REQUIRED. INSTALL BACKING AND SUPPORT FOR FOOD SERVICING EQUIPMENT, SHELVING AND ALY EQUIPMENT ATTACHED TO WALLS, SPECIFICALLY AT, BUT NOT LIMITED TO, ALL HAND SINKS, ICE MACHINE FILTERS, TYPE K KITCHEN EXTINGUISHERS, TELEVISIONS/MONITORS AND DRY RACKS OVER 3-COMPARTMENT SINKS. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S

STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY

DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. WORK SHALL

BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT.

FLASHINGS SHALL BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS, INCLUDING THE FOLLOWING STANDARDS: NRCA'S "THE NRCA ROOFING MANUAL"; SMACNA'S 'ARCHITECTURAL SHEET METAL MANUEL' SHEET METAL FLASHING SHALL WITHSTAND WIND LOADS, STRUCTURAL MOVEMENT, THERMALLY INDUCED MOVEMENT AND EXPOSURE TO WEATHER WITHOUT FAILURE DUE TO DEFECTIVE MANUFACTURE, FABRICATION, INSTALLATION OF OTHER DEFECTS IN CONSTRUCTION. COMPLETE SHEET

METAL FLASHING AND TRIM SHALL NOT RATTLE, LEAK, OR LOOSEN AND SHALL REMAIN WEATHERTIGHT. CUSTOM FABRICATE SHEET METAL FLASHING AND TRIM TO COMPLY WITH THE REFERENCED STANDARDS THAT APPLY TO DESIGN, DIMENSIONS, GEOMETRY, METAL THICKNESS AND OTHER CHARACTERISTICS OF THE ITEM REQUIRED. FLASHINGS SHALL BE 22 GAUGE STAINLESS STEEL. FABRICATE CONTINUOUS FLASHINGS IN MINIMUM 8 FOOT SECTIONS. LINTEL, SILL AND SIMILAR FLASHINGS SHALL EXTEND 6" BEYOND EACH SIDE OF WALL OPENINGS AND FORM WITH 2" COORDINATE THE INSTALLATION OF EQUIPMENT SUPPORT FLASHING WITH

INSTALLATION OF ROOFING AND EQUIPMENT. SEAL FLASHING WITH ELASTOMERIC SEALANT TO EQUIPMENT SUPPORT MEMBER. WHEN INSTALLING FLEXIBLE FLASHING, PRIME SUBSTRATES AS RECOMMENDED BY FLASHING MANUFACTURER. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. WEATHER BARRIER ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT.

BE INSTALLED. INCLUDE DOCUMENTATION REGARDING PRODUCT

COMPATIBILITY WITH OTHER PRODUCTS AND SUBSTRATES.

SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR EACH TYPE OF PRODUCT TO

ALL ROOFING SHALL BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS

ROOFING WORK SHALL WITHSTAND WIND LOADS, STRUCTURAL MOVEMENT, THERMALLY INDUCED MOVEMENT AND EXPOSURE TO WEATHER WITHOUT FAILURE DUE TO DEFECTIVE MANUFACTURE, FABRICATION, INSTALLATION OF OTHER DEFECTS IN CONSTRUCTION. COMPLETE INSTALLATION SHALL NOT RATTLE, LEAK, OR LOOSEN AND SHALL REMAIN WEATHERTIGHT CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING ROOF AREAS TO PROVIDE A WARRANTIED WATERTIGHT ROOF AT ALL EXISTING LOCATIONS USING A PRODUCT MATCHING OR COMPATIBLE WITH THE EXISTING ROOFING

CONTRACTOR INCLUDES FLASHING, PATCH, AND REPAIR SCOPE FOR ALL PENETRATIONS, POSTS, CURBS, CONDUITS, SLEEVES, AND OTHER PENETRATIONS THROUGH THE EXISTING ROOF MEMBRANE ROOF ROOFS: WHEN A NEW ROOF IS REQUIRED THERMOPLASTIC SINGLE-PLY

ROOFING (TPO) SHALL BE THE BASIS OF DESIGN, UON IN THE CONSTRUCTION WHEN REQUIRED, PROVIDE COMPLETE TPO ROOFING ASSEMBLY INCLUDING BUT NOT LIMITED TO INSULATION, COVER BOARD, FASTENERS, ADHESIVES, MEMBRANE AND ACCESSORIES PER

MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS PREPARE SUBSTRATE IN ACCORDANCE WITH MANUFACTURER'S WHEN REQUIRED, STAGGER INSULATION BOARDS AND DO NOT INSTALL WET, DAMAGED OR DAMAGED BOARDS. SECURELY ATTACH BEFORE PROVIDE MINIMUM 1/4" PER 12" SLOPE TO ROOF MEMBRANE, OR AS

REQUIRED BY LOCAL BUILDING CODE OR MANUFACTURER'S

INSTRUCTIONS. INSTALL MEMBRANE OVER ACCEPTABLE SUBSTRATE PER MANUFACTURER'S INSTRUCTIONS. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. WEATHER BARRIER ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT.

WARRANTY SHALL BE ALL ENCOMPASSING AND INCLUDE ALL ROOFING

MATERIALS AND ACCESSORIES. SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR EACH TYPE OF PRODUCT TO BE INSTALLED. INCLUDE DOCUMENTATION REGARDING PRODUCT COMPATIBILITY WITH OTHER PRODUCTS AND SUBSTRATES. SUBMIT ROOF DETAILS FOR REVIEW.

ROOFING ACCESSORIES NOTES

ALL ROOFING SHALL BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. ROOFING WORK SHALL WITHSTAND WIND LOADS, STRUCTURAL MOVEMENT THERMALLY INDUCED MOVEMENT AND EXPOSURE TO WEATHER WITHOUT FAILURE DUE TO DEFECTIVE MANUFACTURE, FABRICATION, INSTALLATION OF

OTHER DEFECTS IN CONSTRUCTION. COMPLETE INSTALLATION SHALL NOT RATTLE, LEAK, OR LOOSEN AND SHALL REMAIN WEATHERTIGHT. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING ROOF AREAS TO PROVIDE A WARRANTIED WATERTIGHT ROOF AT ALL EXISTING LOCATIONS USING A PRODUCT MATCHING OR COMPATIBLE WITH THE EXISTING ROOFING MEMBRANE CONTRACTOR INCLUDES FLASHING, PATCH, AND REPAIR SCOPE FOR ALL

PENETRATIONS, POSTS, CURBS, CONDUITS, SLEEVES, AND OTHER PENETRATIONS THROUGH THE EXISTING ROOF MEMBRANE. ROOF ROOFS: WHEN A NEW ROOF IS REQUIRED THERMOPLASTIC SINGLE-PLY ROOFING (TPO) SHALL BE THE BASIS OF DESIGN, UON IN THE CONSTRUCTION

DOCUMENTS: WHEN REQUIRED, PROVIDE COMPLETE TPO ROOFING ASSEMBLY, INCLUDING BUT NOT LIMITED TO INSULATION, COVER BOARD, FASTENERS. ADHESIVES. MEMBRANE AND ACCESSORIES PER MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS. PREPARE SUBSTRATE IN ACCORDANCE WITH MANUFACTURER'S

INSTRUCTIONS WHEN REQUIRED, STAGGER INSULATION BOARDS AND DO NOT INSTALL WET, DAMAGED OR DAMAGED BOARDS. SECURELY ATTACH BEFORE INSTALLING ROOFING MEMBRANE.

PROVIDE MINIMUM 1/4" PER 12" SLOPE TO ROOF MEMBRANE, OR AS REQUIRED BY LOCAL BUILDING CODE OR MANUFACTURER'S INSTRUCTIONS. INSTALL MEMBRANE OVER ACCEPTABLE SUBSTRATE PER

BARRIER ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT. WARRANTY SHALL BE ALL ENCOMPASSING AND INCLUDE ALL ROOFING MATERIALS AND ACCESSORIES. SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR EACH TYPE OF PRODUCT TO BE INSTALLED. INCLUDE DOCUMENTATION REGARDING PRODUCT COMPATIBILITY WITH OTHER PRODUCTS AND SUBSTRATES. SUBMIT ROOF

WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S

STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY

DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. WEATHER

MANUFACTURER'S INSTRUCTIONS.

DETAILS FOR REVIEW. JOINT SEALANT NOTES

ALL SEALANTS SHALL BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION

INSTRUCTIONS. PROVIDE JOINT SEALANTS FOR EXTERIOR APPLICATIONS THAT ESTABLISH AND 5. MAINTAIN AIRTIGHT AND WATER-RESISTANT CONTINUOUS JOINT SEALS WITHOUT STAINING OR DETERIORATING JOINT SUBSTRATES SUITABILITY FOR CONTACT WITH FOOD: WHERE SEALANTS ARE INDICATED FOR JOINTS THAT WILL COME IN REPEATED CONTACT WITH FOOD, PROVIDE PRODUCTS THAT COMPLY WITH 21CFR177.2600, OR ALL LOCAL APPLICABLE CODES, INCLUDING HEALTH CODE, AS REQUIRED BY THE AHJ. INSTALL JOINT SEALANT IN COMPLIANCE WITH ASTM C1193 FOR USE OF JOINT SEALANTS AS APPLICABLE TO MATERIALS, APPLICATIONS, AND CONDITIONS

SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR EACH TYPE OF PRODUCT TO

COMPATIBILITY WITH OTHER PRODUCTS AND SUBSTRATES. <u>HM DOORS, FRAMES & HARDWARE NOTES</u>

ALL DOORS, FRAMES AND HARDWARE SHALL BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. A COMPLETE INSTALLATION OF OWNER FURNISHED DOORS, FRAMES, AND HARDWARE AND INCLUDES FOR INSTALLATION OF ELECTRIC STRIKE/JAMB WITH ASSOCIATED WIRING AND ALL ACCESS CONTROL, INCLUDING MODIFICATIONS TO THE DOORS, FRAMES AND HARDWARE AS MAY BE REQUIRED TO COMPLETE ACCESS CONTROLS SCOPE OF WORK.

BE INSTALLED. INCLUDE DOCUMENTATION REGARDING PRODUCT

JAMB ANCHORS FOR STUD-WALL TYPE SHALL BE DESIGNED TO ENGAGE STUD, WELDED TO BACK OF FRAMES, NOT LESS THAN 0.042 INCH THICK. JAMB ANCHORS FOR MASONRY WALL TYPE SHALL BE DESIGNED WITH ADJUSTABLE STRAP-AND-STIRRUP OR T-SHAPED ANCHORS TO SUIT FRAME SIZE, NOT LESS THAN 0.042 INCH THICK, WITH CORRUGATED OR PERFORATED STRAPS NOT LESS THAN 2 INCHES WIDE BY 10 INCHES LONG; OR WIRE ANCHORS NOT LESS THAN 0.177 INCH THICK

FIT HOLLOW-METAL DOORS ACCURATELY IN FRAMES, WITHIN CLEARANCES

CONTRACTOR SHALL FURNISH AND INSTALL DOOR SWEEPS AT ALL INTERIOR

DOORS PER DEPARTMENT OF HEALTH REGULATION OR OTHER AHJ.

SPECIFIED BY MANUFACTURER. SHIM AS NECESSARY.

RESILIENT WALL BASE & FLOORING NOTES ALL PRODUCTS SHALL COMPLY AND BE INSTALLED PER ALL APPLICABLE CODES 2. AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS, INCLUDING ASTM STANDARDS. PROVIDE ALL NECESSARY ACCESSORIES, ADHESIVES, ETC FOR A COMPLETE INSTALLATION.

ENSURE SUBSTRATE MEETS MANUFACTURER'S REQUIREMENTS. INCLUDING POROSITY SPECIFICATIONS TO ENSURE ADEQUATE ADHESION. SURFACE MUST BE CLEAN, DRY AND IN SOUND CONDITION. REMOVE ALL OIL, DUST, GREASE, DIRT, LOOSE RUST AND OTHER FOREIGN MATERIAL TO ENSURE ADEQUATE INSTALL PRODUCT IN TEMPERATURE AND HUMIDITY CONDITIONS SPECIFIED IN THE MANUFACTURER'S INSTRUCTIONS. IN AREAS WITH DIRECT SUNLIGHT

NECESSARY TO ENSURE ADEQUATE ADHESION. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. COMPLETE ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT.

EXPOSURE, REFER TO MANUFACTURER'S REQUIREMENTS FOR THE TIME

SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR ALL PRODUCTS TO BE INSTALLED FOR REVIEW AND APPROVAL.

FIBER REINFORCED PANEL NOTES ALL PRODUCTS SHALL COMPLY AND BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS, INCLUDING ASTM STANDARDS. WHEN INSTALLED IN KITCHENS, PRODUCT SHALL BE USDA APPROVED FOR INCIDENTAL FOOD CONTACT, OR AS REQUIRED BY THE AHJ DEPARTMENT OF HEALTH

REQUIREMENTS. PROVIDE ALL NECESSARY ACCESSORIES, TRIM, ADHESIVES, ETC FOR A COMPLETE INSTALLATION. PREPARE SUBSTRATE TO RECEIVE PANELS BY REMOVING HIGH SPOTS, FILLING 11 LOW SPOTS & SANDING, AND REMOVING LOOSE/FOREIGN MATTER THAT COULD IMPAIR ADHESION. INSTALL WITH ADHESIVE COMPATIBLE WITH PANELS AND SUBSTRATE AS RECOMMENDED BY PANEL MANUFACTURER.

CUT PANELS TO FIT AT PERIMETER AND AROUND PENETRATIONS. ENSURE THAT TRIM WILL COMPLETELY COVER CUT EDGES. MAINTAIN 1/8" TO 3/16" EXPANSION SPACE AT PERIMETER AND AROUND PENETRATIONS, OR AS REQUIRED BY MANUFACTURER. ADHERE PANELS TO SUBSTRATE WITH A FULL BED OF ADHESIVE. INSTALL CONTINUOUS BEAD OF JOINT SEALER BETWEEN PANELS AND TRIM, AND TRIM AND ADJACENT CONSTRUCTION. REFER TO JOINT SEALANT NOTES. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S

STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY

DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. COMPLETE

ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND

WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT.

SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR ALL PRODUCTS TO BE

PATCHING COMPOUND SHALL BE WHITE LATEX TYPE

INSTALLED FOR REVIEW AND APPROVAL

ALL PRODUCTS SHALL COMPLY AND BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS, INCLUDING THE MPI PAINTING MANUAL ENSURE SUBSTRATE MEETS MANUFACTURER'S REQUIREMENTS, INCLUDING AT EXISTING SURFACES, PRIOR TO APPLYING COATINGS. DO NOT APPLY COATINGS UNLESS THE MOISTURE CONTENT OF SURFACES ARE BELOW THE FOLLOWING

A. CONCRETE, MASONRY, PLASTER, GYPSUM BOARD: 12 PERCENT. WOOD: 15 PERCENT. PRIOR TO APPLYING COATINGS, PREPARE ALL SURFACES BY: REMOVING MILDEW FILL MINOR GYP BD DEFECTS AND APPLY RECOMMENDED TEXTURE REMOVE DIRT, LOOSE MORTAR, SCALE, SALT, EFFLORESCENCE, CHALK, OIL AND GREASE, STAINS BY CORRODING METALS.

FILL HAIRLINE CRACKS, SMALL HOLES AND IMPERFECTIONS REMOVE DUST, GRIT AND FOREIGN MATTER AND SEAL WOOD KNOTS, PITCH STREAKS AND SAPPY SECTIONS. INSTALL ANTI-RUST PRIMER WHERE NECESSARY. APPLY COATINGS TO UNIFORM APPEARANCE WITHOUT LAPS, SAGS, CURTAINS,

RELEASE AGENTS

BRUSH MARKS, ETC.

INTERIOR PAINT SYSTEM SHALL BE AS SPECIFIED IN THE DRAWINGS. EXTERIOR PAINT SYSTEM, GALVANIZED-METAL SUBSTRATES: LATEX SYSTEM, MPI EXT 5.3H: PRIME COAT: PRIMER, GALVANIZED, WATER BASED, MPI#134. INTERMEDIATE COAT: LATEX, EXTERIOR, MATCHING TOPCOAT. TOPCOAT: LATEX, EXTERIOR, SEMI-GLOSS (MPI GLOSS LEVEL5), MPI#11.

EXTERIOR PAINT SYSTEM, STEEL SUBSTRATES: WATER-BASED LIGHT

INDUSTRIAL COATING SYSTEM, MPI EXT 5.1C: PRIME COAT: PRIMER, ALKYD, ANTI-CORROSIVE FOR METAL, MPI#79. INTERMEDIATE COAT: LIGHT INDUSTRIAL COATING, EXTERIOR, WATER BASED, MATCHING TOPCOAT. TOPCOAT: LIGHT INDUSTRIAL COATING, EXTERIOR, WATER BASED, SEMI-GLOSS (MPI GLOSS LEVEL5),MPI#163 EXTERIOR PAINT SYSTEM, MASONRY SUBSTRATES: LATEX SYSTEM, MPI EXT 4.1

PRIME COAT: PRIMER, ALKALI RESISTANT, WATER BASED, MPI #3.. INTERMEDIATE COAT: LATEX, EXTERIOR, MATCHING TOPCOAT. TOPCOAT: LATEX, EXTERIOR SEMI-GLOSS (GLOSS LEVEL 5), MPI #11.

PAINTING NOTES CONT.

10. EXTERIOR PAINT SYSTEM, CONCRETE SUBSTRATES: LATEX SYSTEM, MPI EXT PRIME COAT: PRIMER, ALKALI RESISTANT, WATER BASED, MPI #3.. INTERMEDIATE COAT: LATEX, EXTERIOR, MATCHING TOPCOAT. TOPCOAT: LATEX, EXTERIOR SEMI-GLOSS (GLOSS LEVEL 5), MPI #11 WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. COMPLETE ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT. SUBMITTALS: PROVIDE SAMPLES OF AND SUBMITTAL PACKAGE FOR ALL PRODUCTS TO BE INSTALLED FOR REVIEW AND APPROVAL.

FOILET ACCESSORIES NOTES

CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S NSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY ACCESSORIES, HOT-DIP GALVANIZED MOUNTING DEVICES, ETC FOR A COMPLETE INSTALLATION. PROVIDE IN-WALL BLOCKING AS EXPOSED FASTENERS AND MOUNTING DEVICES SHALL BE TAMPER AND THEFT RESISTANT. INSTALL ACCESSORIES LEVEL, PLUMB, AND FIRMLY ANCHORED IN LOCATIONS INDICATED AND AT HEIGHTS IN ACCORDANCE WITH ALL APPLICABLE CODES. ADJUST FOR UNENCUMBERED, SMOOTH OPERATION AND VERIFY THAT MECHANISMS FUNCTION PROPERLY.. INSTALL GRAB BARS TO WITHSTAND A DOWNWARD LOAD OF AT LEAST 250 LBF. WHEN TESTED ACCORDING TO METHOD IN ASTM F-446. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY

ALL PRODUCTS SHALL BE COMPLY AND BE INSTALLED PER ALL APPLICABLE

FIRE PROTECTION SPECIALTIES NOTES

INSTALLED FOR REVIEW AND APPROVAL.

THIS SECTION SHALL APPLY TO ALL FIRE EXTINGUISHERS REQUIRED IN NON-KITCHEN AREAS. ALL PRODUCTS SHALL COMPLY AND BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS, INCLUDING IN LOCATIONS AS DIRECTED BY AHJ AND AT MOUNTING HEIGHTS INDICATED OR ACCEPTABLE TO AHJ AND ADA. PROVIDE ALL NECESSARY ACCESSORIES, MOUNTING BRACKETS, CABINET BOXES, LETTERING, ETC FOR A COMPLETE INSTALLATION. FIRE EXTINGUISHERS SHALL BE 10-LB NOMINAL CAPACITY UL RATED 4A:60B:C MULTI-PURPOSE DRY CHEMICAL TYPE. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD.

DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. COMPLETE

ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN. MATERIAL AND

SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR ALL PRODUCTS TO BE

WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT.

HYDRAULIC CEMENT UNDERLAYMENT NOTES

ALL PRODUCTS SHALL COMPLY AND BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE INSTALLATION, INSTALLED OVER AN APPROPRIATE SUBSTRATE AS RECOMMENDED BY MANUFACTURER'S INSTRUCTIONS BASIS OF DESIGN IS MAXXON COMMERCIAL PRO LEVEL CRETE. PRODUCT MUST BE CEMENT-BASED AND GYPSUM PRODUCTS ARE NOT ACCEPTED. PREPARE SUBSTRATE AS REQUIRED PER MANUFACTURER'S INSTRUCTIONS. CLEAN, REMOVE ALL OIL, DUST, GREASE, DIRT, LOOSE RUST AND OTHER FOREIGN MATERIAL THAT MAY ACT AS A BOND BREAK AS NECESSARY. INSTALL PRODUCT IN TEMPERATURE AND HUMIDITY CONDITIONS SPECIFIED IN THE MANUFACTURER'S INSTRUCTIONS. FILL ALL JOINTS AND MOVING CRACKS WHERE LEAKAGE OF SLURRY COULD WATER USED FOR MIXING SHALL BE CLEAN, POTABLE, AND SUFFICIENTLY COOL (NOT WARMER THAN 70°F) WHILING CURING, PLACE TEMPORARY WOOD PLANKING OVER AREAS WHEN SUBJECT TO HEAVY WHEELED OR CONCENTRATED LOADS WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. COMPLETE

INSTALLED FOR REVIEW AND APPROVAL.

ALL PRODUCTS SHALL COMPLY AND BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS, INCLUDING ASTM STANDARDS. PROVIDE ALL NECESSARY ACCESSORIES, MORTAR, GROUT, ANCHORS, TIES, FASTENERS, REBAR, FLASHINGS, WEEPS, ETC FOR A COMPLETE INSTALLATION AS RECOMMENDED BY MANUFACTURER'S INSTRUCTIONS. SEE STRUCTURAL SPECIFICATIONS FOR WORK NOT INCLUDED IN SECTIONS BELOW. CONTRACTOR SHALL PROVIDE NEW STEEL LINTELS AS REQUIRED AT ALL OPENINGS WHETHER OR NOT LINTELS ARE SHOWN ON THE STRUCTURAL DRAWINGS. DO NOT APPLY UNIFORM LOADS FOR AT LEAST 12 HRS AFTER BUILDING MASONRY WALLS. PORTLAND CEMENT SHALL BE ASTM TYPE 1, SINGLE SOURCE. MASONRY OF MORTAR CEMENT SHALL BE TYPE M. ALL METAL ACCESSORIES SHALL BE GALVANIZED OF GAUGE AND GRADE COMPLYING WITH ASTM STANDARDS. REFER TO STRUCTURAL NOTES FOR REBAR SPECIFICATIONS. WEEPS SHALL BE: PREFORMED PLASTIC TUBES FILLED WITH COTTON WICKS, COLOR TO MATCH MASONRY. ALLOWABLE INSTALLATION TOLERANCES:

ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND

SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR ALL PRODUCTS TO BE

WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT

ALIGNMENT OF COLUMNS AND PILASTERS: +/- 1/4" ALIGNMENT OF FACE TO FACE OF ADJACENT UNITS +/- 1/8" VERTICAL ALIGNMENT OF HEAD JOINTS: +/- 1/2" IN 10 FEET TRUE PLANE OF WALL: +/- 1/4" IN 10 FEET AND 1/2" IN 20 FEET OR MORE PLUMB: +/- 1/4" IN 10 FEET NONCOMULATIVE AND 1/2" IN 20 FEET OR MORE LEVEL COURSING: +/- 1/8" IN 3 FEET AND 1/4" IN 10 FEET AND 1/2" IN 30 FEET JOINT THICKNESS: +/- 1/8" MASONRY UNITS SHALL BE LAID IN RUNNING BOND, PLUMB AND LEVELED. DO NOT ADJUST UNITS AFTER MORTAR HAS SET. LAY SOLID UNITS IN FULL MORTAR BED WITH FULL HEAD JOINTS AND HOLLOW UNITS WITH FACE SHELL BEDDING

MACHINE CUT MASONRY WITH STRAIGHT CUTS AND CLEAN EDGES; PREVENT

ISOLATE MASONRY FROM STRUCTURAL MEMBERS WITH COMPRESSIBLE FILL WHEN JOINING FRESH MASONRY TO PARTIALLY SET MASONRY, REMOVE LOOSE MASONRY AND MORTAR, CLEAN AND LIGHTLY WET EXPOSED SURFACE OF SET MIX MORTAR THOROUGHLY IN QUANTITIES NEEDED FOR IMMEDIATE USE VIA MECHANICAL MEANS. DISCARD LUMPY, CAKED, FROZEN AND HARDENED MIXES. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. COMPLETE ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT. SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR ALL PRODUCTS TO BE

OVERSIZED OR UNDERSIZED JOINTS. DO NOT EXPOSE CUT CELLS.

ANCHOR SIZES, PROFILES, MATERIALS AND FINISHES. **EXTERIOR SHEATHING NOTES**

ON HEAD AND BED JOINT.

ALL PRODUCTS SHALL COMPLY AND BE INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY ACCESSORIES, GALVANIZED FASTENERS, ETC FOR A COMPLETE INSTALLATION AS RECOMMENDED BY MANUFACTURER'S ACCURATELY CUT PANELS TO FIT AROUND OPENINGS AND STAGGER END JOINTS IN ADJACENT ROWS, WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. COMPLETE ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT. SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR EACH TYPE OF PRODUCT TO

INSTALLED FOR REVIEW AND APPROVAL, INCLUDING REINFORCING AND

BE INSTALLED.

THERMAL INSULATION SHALL BE INSTALLED FOR THE PURPOSES INTENDED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY ACCESSORIES, COMPONENTS, FASTENERS, ETC FOR A COMPLETE INSTALLATION AS RECOMMENDED BY MANUFACTURER'S PLACE GLASS-FIBER BLANKET INSULATION IN CAVITIES FORMED BY FRAMING MEMBERS TO PRODUCE A FRICTION FIT BETWEEN EDGES OF INSULATION AND ADJOINING FRAMING MEMBERS MAINTAIN A 3" CLEARANCE OF INSULATION AROUND RECESSED LIGHTING FIXTURES NOT RATED FOR OR PROTECTED FROM CONTACT WITH INSULATION.

INSTALL SPRAY POLYURETHANE INSULATION IN MISCELLANEOUS VOIDS AND

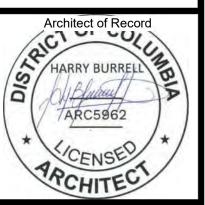
CAVITIES WHERE REQUIRED TO CLOSE GAPS. VAPOR RETARDERS/BARRIERS SHALL BE INSTALLED PER ARCHITECTURAL DRAWINGS AND LOCAL ENERGY CODE REQUIREMENTS. WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. COMPLETE ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN. MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT. SUBMITTALS: PROVIDE SUBMITTAL PACKAGE FOR EACH TYPE OF PRODUCT TO www.cphcorp.com A Full Service

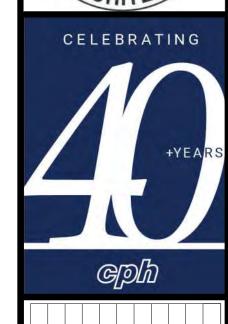
> Miami, FL 33135 Ph:305.274.4805 Plans Prepared By : CPH, Psc. #283611

District Of Columbia

A & E Firm

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Designed: Designer

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HIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS **SEE GENERAL NOTES FOR**

MASTER LEGEND

Sheet No.

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NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION

PASS WINDOW NOTES

WINDOW UNITS SHALL BE DESIGNED AND INSTALLED PER ALL APPLICABLE CODES AND STANDARDS AS REQUIRED BY THE AHJ AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

PROVIDE ALL NECESSARY ACCESSORIES, HARDWARE, FASTENERS, ANCHORS.

PROVIDE ALL NECESSARY ACCESSORIES, HARDWARE, FASTENERS, ANCHORS, WEATHERSTRIPPING, ETC FOR A COMPLETE INSTALLATION.
WINDOW UNIT AIR INFILTRATION RESISTANCE SHALL COMPLY TO THE MINIMUM REQUIRED BY LOCAL AHJ ENERGY CODE AS TESTED PER ASTM E283.
BASIS-OF-DESIGN PRODUCT: QUIKSERV IFCS 4030; QUIKSERV CORP, 11441
BRITTMOORE PARK DRIVE, HOUSTON, TX 77041, 800-388-8307,

A. FINISH: ALUMINUM ANODIZED FINISH NAAMM AMP 500; OR SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE OF COLORS.
INSTALL LEVEL AND PLUMB ACCORDING TO MANUFACTURER'S INSTRUCTIONS. ADJUST PASS WINDOWS TO ROLL SMOOTHLY AND STAY IN POSITION WHERE STOPPED.
TAG KEYS TO IDENTIFY ASSOCIATED PASS WINDOW. DELIVER KEYS TO OWNER WARRANTY: PRODUCTS SHALL BE WARRANTED PER MANUFACTURER'S STANDARD WARRANTY PERIOD. PROVIDE MANUFACTURER'S WARRANTY

DOCUMENTS EXECUTED BY AN AUTHORIZED COMPANY OFFICIAL. COMPLETE ASSEMBLY SHALL BE FREE FROM ALL DEFECTS IN DESIGN, MATERIAL AND WORKMANSHIP AND WARRANTED PER CONTRACTOR'S CONTRACT.

SUBMITTALS: PROVIDE SUBMITTAL PACKAGE AND SHOP DRAWINGS FOR EACH TYPE OF PRODUCT TO BE INSTALLED.

VERTICAL CONVEYANCE NOTES

ELEVATOR SILL SUPPORTS.

VERTICAL CONVEYANCE NOTES APPLY TO, BUT NOT LIMITED TO, ELEVATOR AND DUMBWAITERS, AND ALL REQUIRED ACCESSORIES AND COMPONENTS TO PROVIDE A COMPLETE INSTALLATION. REFER TO OTHER NOTE SECTIONS ARE NECESSARY.

VERTICAL CONVEYANCE IS OWNER FURNISHED AND CONTRACTOR INSTALLED. CONTRACTOR IS RESPONSIBLE FOR ANY OUT-OF -SEQUENCE WORK (E.G. FRAMING SHAFTS EARLY/OUT-OF-SEQUENCE) IN ORDER TO MEET THE CRITICAL PATH SCHEDULE AND DELIVER A FULLY COMPLETED VERTICAL CONVEYANCE

SYSTEM.

CONTRACTOR TO COORDINATE DIRECTLY WITH VERTICAL CONVEYANCE VENDORS TO FAMILIARIZE THEMSELVES WITH VENDOR/INSTALLER REQUIREMENTS AND PRE-MOBILIZATION CHECKLISTS AS REQUIRED TO ENSURE THAT ALL CRITERIA ARE MET PRIOR TO MOBILIZATION PER THE PROJECT

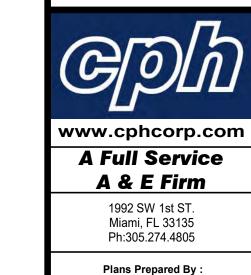
SCHEDULE.

4. CONTRACTOR TO COORDINATE WITH CONVEYANCE VENDORS FOR THE DELIVERY AND LOGISTICS OF THEIR INSTALLATION AND PERFORM OUT-OF-SEQUENCE WORK TO PROVIDE LAY-DOWN AREAS FOR INSTALLATION OF VERTICAL CONVEYANCE AND INSTALLATION OF ANY EMBEDS, BRACKETS, OR OTHER SHAFT WORK AS REQUIRED TO PER THE PROJECT SCHEDULE.

5. REFER TO METAL FABRICATIONS SECTION FOR SHAPES REQUIRED FOR



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Property Owner: ALAN I. COOPER & BENNETT M. COOPER	Address 7821 LAUREL LEAF POTOMAC, MD 2085	DR	BZA/PUD Number	4	ocupied S 500 PERMIT FI	iq. Foota	
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Architect of Record

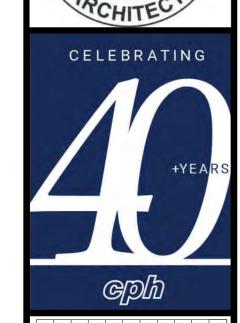
HARRY BURRELL

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CPH, Psc. #283611

District Of Columbia



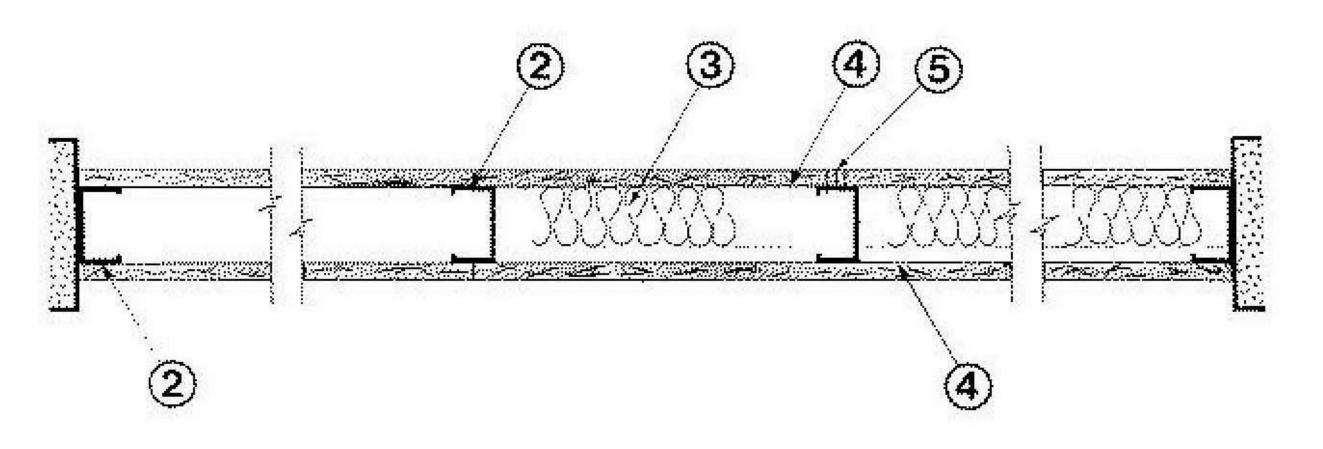
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Job No.:	O9901
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GENERAL NOTES CONT.
COMMERCIAL KITCHENS
consin AVE NW, Washington, DC 20007

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SEE GENERAL NOTES FOR MASTER LEGEND

G-003



Design No. U465 April 17, 2000

Nonbearing Wall Rating - 1 HR.

1. Floor and Ceiling Runners (not shown) - Channel shaped runners, 3-5/8 in. wide (min), 1-1/4 in. legs, formed from min No. 25 MSG (min No. 20 MSG when Item 4C is used) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. 2. Steel Studs Channel shaped, 3-5/8 in. wide (min), 1-1/4 in. legs, 3/8 in. folded back returns, formed from min No. 25 MSG (min No.

20 MSG when Item 4C is used) galv steel spaced 24 in. OC max.

3. Batts and Blankets* (Optional) - Mineral wool or glass fiber batts partially or completely filling stud cavity. See Batts and Blankets (BZJZ) category for names of Classified companies.

4. Wallboard, Gypsum* 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (furring channels), wallboard is screw attached to furring channels with 1 in. long,

Type S steel screws spaced 12 in. OC. AMERICAN GYPSUM CO - Type AG-C.

CANADIAN GYPSUM COMPANY - Types AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

CELOTEX CORP - Type 1.

CONTINENTAL GYPSUM COMPANY - Types CG-C, CG5-5, CG6-6, CG9-9, CGTC-C.

G-P GYPSUM CORP, SUB OF

GEORGIA-PACIFIC CORP - Types 5, 9, C, GPFS6.

JAMES HARDIE GYPSUM INC - Type Max "C" or Fire X .

LAFARGE GYPSUM, DIV OF

LAFARGE CORP - Types LGFC2, LGFC2A, LGFC6, LGFC6A, LGFC-C. NATIONAL GYPSUM CO - Types FSK-G, FSW-G.

NATIONAL GYPSUM CO - Type FR or WR.

PABCO GYPSUM, DIV OF

PACIFIC COAST BUILDING PRODUCTS INC - Type PG-C.

REPUBLIC GYPSUM CO - Type RG-C. STANDARD GYPSUM L L C - Type SG-C.

TEMPLE-INLAND FOREST PRODUCTS CORP - Type TG-C.

UNITED STATES GYPSUM CO - Type AR, C, FRX-G, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

YESO PANAMERICANO S A DE C V - Type AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.

WESTROC INC - Type Westroc Fireboard.

4A. Wallboard, Gypsum* (As an alternate to Item 4) - Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4 with screw length increased to 1-1/4 in.

CANADIAN GYPSUM COMPANY - Types AR, IP-AR.

UNITED STATES GYPSUM CO - Types AR, IP-AR.

YESO PANAMERICANO S A DE C V - Types AR, IP-AR.

4C. Wallboard, Gypsum* (As an alternate to Item 4, 4A and 4B) - 5/8 in. thick gypsum panels, installed as described in Item 4 with Type S-12 steel screws. The length and spacing of the screws as specified under Item 4.

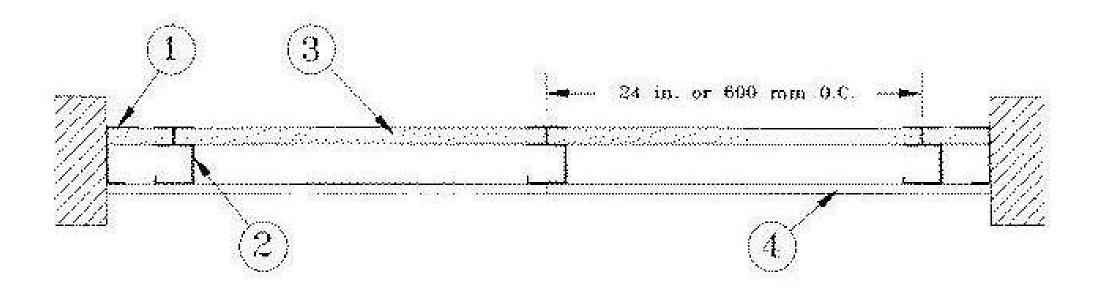
CANADIAN GYPSUM COMPANY - Type FRX.

UNITED STATES GYPSUM CO - Type FRX.

5. Joint Tape and Compound Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced

6. Furring Channel (Optional-Not Shown) - Resilient 25 MSG galv steel furring channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 panhead steel screws. Not for use with Type FRX gypsum panels. *Bearing the UL Classification Marking

UL #U465 ONE HOUR FIRE RATED WALL



1. Floor, Side and Ceiling Runners — "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B, 4C, 4D or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side runners in place of "J" - shaped runners.

2. Steel Studs — "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B, 4C, 4D or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC (max 16 in. OC when Items 4A, 4B, 4C, or 4D are used) 3. Gypsum Board* — Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1-1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips.

CGC INC — Type SLX 4. Gypsum Board* —

System A — 1 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in OC when

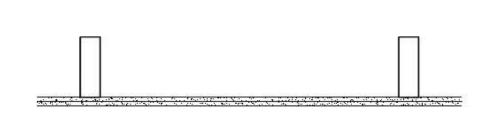
installed horizontally. Horizontal joints need not be backed by steel framing.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX

UL #U415 ONE HOUR FIRE RATED WALL

One-Hour Ceiling (Based on GA File Nos. FC 5406 and RC 2601)

The ceiling membrane consists of two layers of 5/8" (15.9 mm) type X gypsum board directly applied to framing or furring. The base layer of gypsum board is applied at right angles to ceiling framing 24" (610 mm) o.c. and attached with 1" (25 mm) Type S or S-12 drywall screws (for steel framing) or 1-1/4" (32



mm) Type W or S drywall screws (for wood framing) spaced 24" (610 mm) o.c. The face layer of gypsum board is applied at right angles to the framing and attached with 1-5/8" (41 mm) Type S or S-12 drywall screws (for steel framing) or 1-7/8" (48 mm) Type W or S drywall screws (for wood framing) 12" (305 mm) o.c. at end joints and intermediate joints and 1-1/2" (38 mm) Type G drywall screws 12" (305 mm) o.c. placed 2" (50 mm) back on either side of end joints. Joints of the face layer are offset 24" (610 mm) from the joints in the base layer. Face layer joints and fasteners are finished to Level 1 as specified in GA-214, Levels of Gypsum Board Finish.

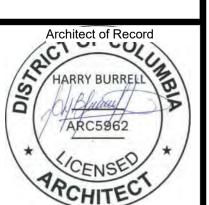
ONE-HOUR CEILING

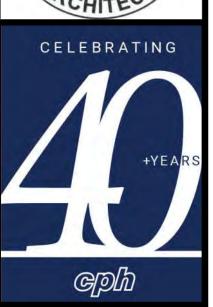
www.cphcorp.cor A Full Service A & E Firm 1992 SW 1st ST.

> Plans Prepared By CPH, Psc. #28361

> > **District Of Columbia**

Miami, FL 33135 Ph:305.274.4805





08/15/2022

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GENERAL NOTES:

PROPOSED WORK TO COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI A117.1-2003.

1. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST, AS PER RS 4-6, 4.25.4.

2. ACCESSIBLE ROUTES TO BE PROVIDED BETWEEN FACILITIES ON ALL FLOORS, PROVIDING A

MINIMUM OF 36 INCHES OF WIDTH ALONG THE ACCESSIBLE ROUTE AS PER RS 4-6, 4.3.1 AND A MINIMUM OF 32 INCHES OF WIDTH AT DOORWAYS, AS PER RS 4-6, 4.13.5.

3. SMOKE DETECTORS TO BE INSTALLED WHICH MEET THE REQUIREMENTS OF RS 4-6. 4.26.3 ADAPTABLE TO PROVIDE FLASHING LIGHTS ARRANGED TO FLASH IN CONJUNCTION WITH AUDIBLE SMOKE DETECTOR ALARMS.

4. PROPOSED STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS AND DRAWERS SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF RS 4-6, 4.23

a. CLEAR FLOOR SPACE OF A MINIMUM OF 30 INCHES BY 48 INCHES IS PROVIDED FOR APPROACH TO ALL STORAGE FACILITIES. b. STORAGE SPACES SHALL COMPLY WITH AT LEAST ONE OF THE REACH RANGES

SPECIFIED IN 4-6, 4.2.5 AND 4.2.6. CLOTHES RODS SHALL BE A MAXIMUM OF 48 INCHES FROM THE FLOOR. c. HARDWARE FOR STORAGE FACILITIES SHALL BE OPERABLE WITH ONE HAND AND

SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.

4.2SPACE ALLOWANCES AND REACH RANGES

a. A CLEAR FLOOR SPACE OF 30"x 48" SHALL BE PROVIDED FOR FORWARD AND PARALLEL APPROACHES SEE FIG. 25.

b. 60" DIAMETER SPACE SHALL BE PROVIDED FOR WHEELCHAIR TURNING SEE FIG. 3.

a. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12 THE MAXIMUM RISE OF ANY SLOPE SHALL BE 30"

b. THE CLEAR WIDTH (BETWEEN HANDRAILS) SHALL BE 36" c. LANDINGS LOCATED AT THE BOTTOM AND TOP OF EACH RUN SHALL BE AT LEAST AS

WIDE AS THE WIDEST PART OF THE RAMP AND THE LENGTH SHALL BE 60" CLEAR. d. DIRECTION CHANGES AT LANDINGS SHALL HAVE A MINIMUM SIZE OF 60"x 60". e. IF A DOORWAY IS LOCATED AT A LANDING, THEN THE AREA IN FRONT OF THE

4.8.5 HANDRAILS

WITH 4.13.6.

DOORWAY SHALL COMPLY

a. PROVIDE HANDRAILS ON BOTH SIDES OF RAMP SEGMENTS. b. THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1-1/2". c. THE GRIPPING SURFACE SHALL BE 1-1/4" OR 1-1/2" DIAMETER. d. THE TOP OF THE GRIPPING SURFACE SHALL BE MOUNTED BETWEEN 30" AND 34" ABOVE THE RAMP SURFACE.

4.13 DOORS

a. DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32" WITH THE DOOR OPEN 90 MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP. FOR CLEARWAY WIDTH AND DEPTH SEE

FIG 25. b. FOR MANEUVERING CLEARANCES AT DOORS SEE FIG 25..

4.15 DRINKING FOUNTIONS

a. THE SPOUT HEIGHT SHALL BE NO HIGHER THAN 36" ABOVE THE FLOOR.

4.16 WATER CLOSETS

a. THE HEIGHT OF WATER CLOSETS SHALL BE 17" TO 19" ABOVE THE FLOOR TO THE TOP OF THE TOILET SEAT. FOR HEIGHTS, CONFIGURATIONS GRAB BARS SEE FIG 29 AND FOR STALLS SEE FIG 28.

4.19 LAVATORIES AND SINKS

a. LAVATORIES SHALL BE MOUNTED WITH A CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE

APRON. KNEE AND TOE CLEARANCE TO COMPLY WITH FIG 31.

b. SINKS SHALL BE MOUNTED WITH THE COUNTER OR RIM NO HIGHER THAN 34" FROM THE FLOOR. c. A CLEAR FLOOR SPACE OF 30"x 48" SHALL BE PROVIDED IN FRONT OF A LAVATORY OR

SINK TO ALLOW A FORWARD APPROACH AND TO COMPLY WITH FIG 31.

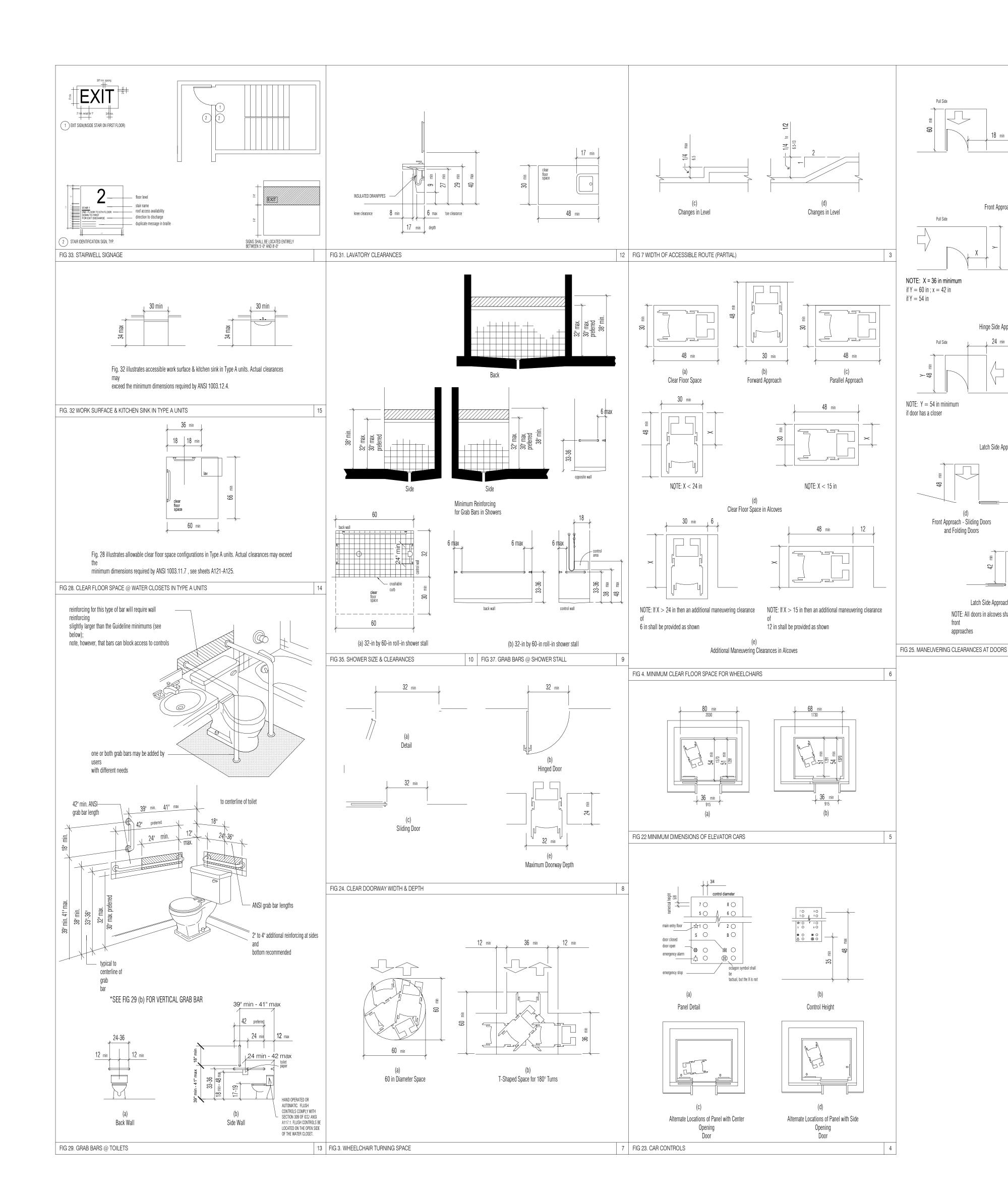
d. HOT WATER AND DRAIN PIPES UNDER LAVATORIES OR SINKS SHALL BE INSULATED.

4.21 SHOWER STALLS

a. SHOWER STALL SIZE AND CLEAR FLOOR SPACE IN FRONT SHALL COMPLY WITH FIG

b. A SHOWER SEAT SHALL BE PROVIDED IN A STALL 36"x 36".

c. GRAB BARS SHALL BE PROVIDED AND COMPLY WITH FIG 30 & FIG 37.



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> Plans Prepared By : CPH, Psc. #283611 **District Of Columbia**

NOTE: X = 12 in if door

Front Approaches - Swinging Door

Hinge Side Approaches - Swinging Door

Latch Side Approaches - Swinging Door

Latch Side Approach - Sliding Doors and Folding Doors

NOTE: All doors in alcoves shall comply with the clearance for

and Folding Doors

has both a closer and a catch

NOTE: Y = 48 in minimum

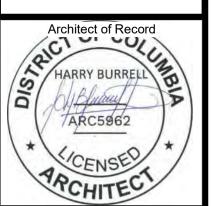
NOTE: Y = 48 in minimum if door has a closer

Slide Side Approach - Sliding Doors

and Folding Doors

if door has both a closer and a catch

Ph:305.274.4805





Checked: Checker Job No.: 08/15/2022

THIS SHEET NOT VALID FOR **CONSTRUCTION WITHOUT** COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR **MASTER LEGEND**

GREEN ENERGY CODE COMPLIANCE:

1. 100% of ALL PLANTS USED IN THIS PROJECT WILL BE NATIVE

2. PER SECTION 503.1, THE PROJECT WILL COMPLY TO

CONSTRUCTION LANDFILL MAXIMUM 3. ALL FLOORING INSTALLED WITHIN THE INTERIOR OF THE BUILDING SHALL COMPLY WITH SECTION 806.4 OR SHALL BE ONE OR MORE OF THE FOLLOWING MATERIALS THAT ARE DEEMED TO

COMPLY WITH VOC EMISSION LIMITS: A. CERAMIC AND CONCRETE TILE B. CLAY PAVERS

C. CONCRETE D. CONCRETE PAVERS

E. METAL F. ORGANIC-FREE, MINERAL -BASED

4. ALL CEILING SYSTEMS SHALL COMPLY WITH SECTION 806.5 OR SHALL BE ONE OR MORE OF THE FOLLOWING CEILING SYSTEMS THAT ARE DEEMED TO COMPLY WITH VOC EMISSION LIMITS: A. CERAMIC TILE

B. CLAY MASONRY . CONCRETE

D. CONCRETE MASONRY E. METAL F. ORGANIC-FREE, MINERAL-BASED

5. ALL WALL SYSTEMS SHALL COMPLY WITH SECTION 806.5 OR SHALL BE ONE MORE OF THE FOLLOWING WALL SYSTEMS THAT ARE DEEMED TO COMPLY WITH VOC EMISSION LIMITS:

A. CERAMIC TILE B. CLAY MASONRY C. CONCRETE

D. CONCRETE MASONRY

BUILDING SITE.

E. METAL F. ORGANIC-FREE, MINERAL-BASED

6. AFTER CONSTRUCTION ENDS, PRIOR TO OCCUPANCY AND WITH ALL INTERIOR FINISHES INSTALLED, INSTALL NEW FILTRATION MEDIA AND PERFORM A BUILDING FLUSH-OUT BY SUPPLYING A TOTAL AIR VOLUME OF 14,000 CUBIC FEET OF OUTDOOR AIR PER SQUARE FOOT (4,500 CUBIC METERS OF OUTDOOR AIR PER SQUARE METER) OF FLOOR AREA WHILE MAINTAINING AN INTERNAL TEMPERATURE OF AT LEAST 60 DEGREES F (15 DEGREES C) AND RELATIVE HUMIDITY NO HIGHER THAN 60%. SEE MEP DRAWINGS.

7. THE TOTAL WINDOW TO WALL TABULATION IS 29%. 8. CONTINUOUS AIR-BARRIER IS WRAPPED, SEALED, CAULKED, GASKETED, TAPED, IN APPROVED MANNER.

9. ALL APPLIANCES SUCH AS DISHWASHER, REFRIGERATOR AND CLOTHES WASHER MUST BE "ENERGY STAR". SEE FULL LIST AT https://www.energystar.gov/products.

10. 50% OF NON-HAZARDOUS CONSTRUCTION WASTE SHALL BE DIVERTED FROM DISPOSALS BY RECYCLING OR SALVAGE OF CONSTRUCTION MATERIALS AND WASTE.

11. PER CODE 405.1.6 DOCUMENTATION: THE FOLLOWING SHALL BE PROVIDED TO DOCUMENT COMPLIANCE WITH SECTIONS 405.1.3 a. DOCUMENTATION, SUCH AS RECEIPTS FROM SOIL, COMPOST AMENDMENTS SUPPLIER. TO DEMONSTRATE THAT TECHNIQUES

RESTORE SOIL OCCURRED. b. SOIL TEST RESULTS TO DEMONSTRATE THAT THE SELECTED TECHNIQUES ACHIEVED THE CRITERIA OF SECTION 405.1.4.2. LESS THAN TWO SOIL TESTS SHALL BE CONDUCTED ON THE

12. PER CODE 502.1.2 CONSTRUCTION PHASE MOISTURE CONTROL: POROUS OR FIBROUS MATERIALS AND OTHER MATERIALS SUBJECT TO MOISTURE DAMAGE SHALL BE PROTECTED FROM MOISTURE DURING THE CONSTRUCTION PHASE. MATERIALS DAMAGED BY MOISTURE OR THAT ARE VISIBLY COLONIZED BY FUNGI EITHER PRIOR TO DELIVERY OR DURING THE CONSTRUCTION PHASE SHALL BE CLEANED AND DRIED OR, WHERE DAMAGED CANNOT BE CORRECTED BY SUCH MEANS, SHALL BE REMOVED AND REPLACED.

13. PER CODE 503.2 VERIFICATION: PRIOR TO ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY FOR OCCUPIABLE SPACE IN A STORY ABOVE GRADE PLANE, OR PRIOR TO FINAL INSPECTION, IF A NEW CERTIFICATE OF OCCUPANCY IS REQUIRED, THE DEPARTMENT IS AUTHORIZED TO REQUIRE THE OWNER, CONTRACTOR OR AN APPROVED AGENCY TO PROVIDE VERIFICATION OF THE PROJECT'S COMPLIANCE WITH SECTION 503.1. WHEN REQUESTED BY THE CODE OFFICIAL, EVIDENCE OF DIVERSION SHALL BE PROVIDED, WHICH MAY INCLUDE, BUT IS NOT LIMITED TO, HAULING RECEIPTS.

14. PER CODE 507.1 MOISTURE CONTROL PREVENTATIVE MEASURES: MOISTURE PREVENTATIVE MEASURES SHALL BE INSPECTED IN ACCORDANCE WITH SECTION 109 OF 12 DCMR A AND APPLICABLE ADMINISTRATIVE BULLETINS FOR THE CATEGORIES

LISTED IN ITEMS 1-7. 1-FOUNDATION SUB SOL DRAINAGE SYSTEM 2-FOUNDATION WATERPROOFING

3-FOUNDATION DAMPROOFING 4-UNDERSLAB WATER VAPOR PROTECTION 5-FLASHING: WINDOWS, EXTERIOR DOORS, SKYLIGHTS, WALL FLASHING AND DRAINAGE SYSTEM

6-EXTERIOR WALL COVERINGS 7-ROOF COVERINGS, ROOF DRAINAGE AND FLASHINGS. 15. PER CODE 601.3.2 PRESCRIPTIVE - BASED COMPLIANCE:

BUILDINGS DESIGNED ON A PRESCRIPTIVE BASIS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 605, 606, 607, 608, 609 AND 17. PER CODE 605.1 PRESCRIPTIVE COMPLIANCE: WHERE BUILDINGS ARE DESIGNED USING THE PRESCRIPTIVE-BASED

COMPLIANCE PATH IN ACCORDANCE WITH SECTION 601.3.2 BUILDING THERMAL ENVELOPE SYSTEM SHALL COMPLY WITH THE PROVISIONS OF SECTION C402 OF ENERGY CONSERVATION CODE AND THE PROVISION OF SECTION 605.2 WHERE APPLICABLE. 18. PER CODE 806.1 EMISSIONS FROM COMPOSITE WOOD PRODUCTS: COMPOSITE WOOD PRODUCTS USED INTERIOR TO THE APPROVED

WEATHER COVERING OF THE BUILDING SHALL COMPLY WITH THE EMISSION LIMITS OR BE MANUFACTURED IN ACCORDANCE WITH THE STANDARDS CITED IN TABLE 806.1. COMPLIANCE WITH EMISSION LIMITS SHALL BE DEMONSTRATED FOLLOWING THE REQUIREMENTS OF SECTION 93120 OF TITLE 17, CALIFORNIA CODE OF REGULATIONS, AIRBORNE TOXIC CONTROL MEASURE TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS. **EXCEPTIONS:**

COMPOSITE WOOD PRODUCTS THAT ARE MADE USING ADHESIVES THAT DO NOT CONTAIN UREA-FORMALDEHYDE (UF)

2. COMPOSITE WOOD PRODUCTS THAT ARE SEALED WITH AN IMPERMEABLE MATERIAL ON ALL SIDES AND EDGES. COMPOSITE WOOD PRODUCTS THAT ARE USED TO MAKE ELEMENTS CONSIDERED TO BE FURNITURE, FIXTURES AND EQUIPMENT (FF&E) THAT ARE NOT PERMANENTLY INSTALLED. 4. FIRE-RETARDANT COMPOSITE WOOD PRODUCTS.

19. PER CODE 806.2 ADHESIVES AND SEALANTS: PROJECTS SHALL COMPLY WITH THE LIMITS ON VOLATILE ORGANIC COMPOUND ("VOC") EMISSIONS FOR ADHESIVES AND SEALANTS AS ESTABLISHED IN CHAPTER 7 (VOLATILE ORGANIC COMPOUNDS AND HAZARDOUS AIR POLLUTANTS) OF DCMR TITLE 20 (ENVIRONMENT).

20. PER CODE 806.6 INSULATION: A MINIMUM OF 85 PERCENT OF INSULATION SHALL COMPLY WITH THE REQUIREMENTS OF TABLE 806.6(1) OR TABLE 808.6(2). THE TEST METHODOLOGY USED TO DETERMINE COMPLIANCE SHALL BE FROM CDPH/EHLB/STANDARD METHOD V.1.1, STANDARD METHOD FOR TESTING VOC EMISSIONS FROM INDOOR SOURCES, DATED FEBRUARY 2010. THE EMISSIONS TESTING SHALL BE PERFORMED BY A LABORATORY THAT HAS THE CDPH/EHLB/ STANDARD METHOD V.1.1 TEST METHODOLOGY IN THE SCOPE OF ITS ISO 17025 ACCREDITATION.

21. PER CODE 609.2.1.1 VENTILATION: CAB VENTILATION FANS OTHER THAN AIR CONDITIONING OR AIR PURIFYING FANS SHALL HAVE AN EFFICACY GREATER THAN OR EQUAL TO 3.0 CFM PER WATT (0.085 M3/MIN./WATT).

22. PER CODE 406.1 BUILDING SITE WASTE MANAGEMENT: NOT LESS THAN 75% OF THE LAND-CLEARING DEBRIS FROM THE BUILDING SITE SHALL BE DIVERTED FROM LANDFILLS.

23. PER IgCC 703 THE GENERAL CONTRACTOR TO PROVIDE A CONSTRUCTION PHASE INDOOR AIR QUALITY PLAN. THIS SHOULD INCLUDE INFORMATION ON THE TREATMENT OF DUCT OPENINGS, VENTILATION, HVAC SYSTEM OPENINGS, AIR FILTERS, ETC.

24. PER IgCC 603.2 THE ENERGY USE CATEGORIES AS SPECIFIED SHALL BE METERED MEETING THE CAPABILITY REQUIREMENTS OF SECTION 603.3.

Commissioning Plan, 818 Potomac Ave. SE

		TABLE 903.1 MISSIONING PLAN		
CONSTRUCTION OR SYSTEM REQUIRING	OCCURRENCE OCCURRENCE		SECTION/ REFERENCED	
VERIFICATION	PREOCCUPANCY	метнор	Preoccupancy	STANDARD
	Chapter 4: Site	Development and Land U	sa	
Landscape irrigation systems	X	Field-inspection	Installation	Section 614 of the Plumbing Code
Stormwater management system operation	None	Field-inspection	Installation	21 DCMR (Water and Sanitation), Chapter 5 (Water Quality and Pollution)
Site lighting	X	Testing and report	Installation	409
	CI	hapter 6: Energy		
Energy consumption, monitoring, targeting	and reporting			
i. Monitoring system	x	Inspection and verification	During construction and prior to occupancy	603
b. Calibration	x	Testing and review and evaluation of test reports	During commissioning	603
Mechanical systems completion				
. Air system balancing—provide the means for system balancing	x	Inspection and verification	During construction and prior to occupancy	611,1,2,1 and through reference to Energy Conservation Code
Mechanical system manuals—con- struction documents to require O&M manual	x	Verification of construction documents	Plan review	611.1.5.2
Mechanical systems		documents		
Commissioning required and noted in plans and specifications	x	Verification of construction documents	Plan review	611.1
b. Documentation of required commissioning outcomes	x	Verification with the building owner	Subsequent to completion of all commissioning activities	611.1
c. Preparation and availability of	1	Verification with	Retween olan review and	1 - September 11

C.	Mechanical system manuals—con- struction documents to require O&M manual	x	Verification of construction documents	Plan review	611.1.5.2
Me	echanical systems				
a.	Commissioning required and noted in plans and specifications	x	Verification of construction documents	Plan review	611.1
b.	Documentation of required commissioning outcomes	x	Verification with the building owner	Subsequent to completion of all commissioning activities	611.1
c.	Preparation and availability of a commissioning plan	x	Verification with the RDP or commissioning agent	Between plan review and commissioning initiation	611.1.1
d.	Balance HVAC systems (both air and hydronic)	x	HVAC system installer/contractor or commissioning agent	After installation of HVAC systems and prior to occupancy	611.1.2
e.	Functional performance testing of HVAC equipment	x	HVAC system installer/contractor or commissioning agent	After installation of HVAC systems and prior to occupancy	611.1.3
f.	Functional performance testing of HVAC controls and control systems	x	HVAC system installer/contractor or commissioning agent	After installation of HVAC systems and prior to occupancy	611.1.3.2

2013 DISTRICT OF COLUMBIA GREEN CONSTRUCTION CODE

	TAB	LE 903.1—(continued) MMISSIONING PLAN		
CONSTRUCTION OR SYSTEM REQUIRING VERIFICATION	PREOCCUPANCY	METHOD	OCCURRENCE Preoccupancy	SECTION/REFERENCEI STANDARD
		Chapter 6: Energy		
Mechanical systems				
g. Preparation of preliminary commis- sioning report	None	HVAC system installer/contractor or commissioning agent	None	611.1.4
 Acceptance of HVAC systems and equipment/system verification report 	None	Building owner	None	611.1.4.1
 Preparation and distribution of final HVAC system completion. Documen- tation that construction documents require drawings, manuals, balancing reports and commissioning report be provided to the owner and that they have been provided 	None	RDP, contractor or commissioning authority	None	611.1.5
		Chapter 6: Lighting		
Verification of lamp	X	Field inspection	Final inspection	611.3
Verification of ballast	X	Field inspection	Final inspection	611.3
Lighting controls				
a. Installation	X	Field inspection	Final inspection	611.3.2
b. Calibration	x	System installer/ contractor or commissioning agent	Final inspection	611.3
	Chapter 8: Indoo	r Environmental Quality an		
Air-handling system access	x	Field inspection and verification	During construction and prior to occupancy	802.2
Air-handling system filters	x	Field inspection and verification	During construction and prior to occupancy	802.3

2013 DISTRICT OF COLUMBIA GREEN CONSTRUCTION CODE

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Interior Air Quality Plan for Construction, 818 Potomac Ave. SE Construction phase requirements. The ventilation of the building during the construction phase shall be in

accordance with Sections 803.1.1 through 803.1.3 of the DC Green Construction Code. Specific actions to be Duct openings. Duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or shall be closed by an approved method to reduce the amount of dust and debris that

collects in the system from the time of rough-in installation and until startup of the heating and cooling

equipment. Dust and debris shall be cleaned from duct openings prior to system flush out and building

occupancy. HVAC equipment openings shall be protected during dust-producing operations. Ventilation. Ventilation during construction shall be achieved through openings in the building envelope using one or more of the following methods: 1. Natural ventilation in accordance with the provisions of the International Building Code or the nternational Mechanical Code. Fans that produce a minimum of three air changes per hour

3. Exhaust in the work area at a rate of not less than 0.05 cfm/ftz (0.24 L/s/inz) and not less than 10 percent greater than the supply air rate so as to maintain negative pressurization of the space. Return air filters. Where a forced air HVAC system is used during construction, temporary dust filters shall be installed over all return openings to protect ducts and equipment from dust infiltration. At the end of the

Construction phase ductless system or filter. Where spaces are conditioned during the construction phase, space conditioning systems shall be of the ductless variety, or filters for ducted systems shall be rated at MERV 8 or higher in accordance with ASHRAE 52.2, and system equipment shall be designed to be compatible. Duct system design shall account for pressure drop across

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CONSTRUCTION WASTE MANAGEMENT PLAN

Not less than 70 percent of nonhazardous construction waste shall be diverted from disposal by recycling or salvage of construction materials and waste. The contractor shall maintain receipts and other documentation through the course of construction relating to diversion, which will corroborate the actual percentage of waste recycled. The percentage of materials diverted shall be calculated by weight or volume, but not both. The construction waste shall include but are not limited to (1) all materials delivered to the site and intended for installation prior to the issuance of the certificate of occupancy, including related packaging; and (2) construction materials and waste removed during demolition or razing.

818 Potomac Ave. SE

Construction and waste materials shall not include land-clearing debris. Land-clearing debris shall include trees, stumps, rocks, and vegetation and shall be managed in accordance with Section 406.1, as follows: Not less than 75 percent of the land-clearing debris from the building site shall be diverted from landfills. Land-clearing debris includes rock, trees, stumps and associated vegetation.

ADHESIVES AND SEALANTS - VOC STANDARDS A108.3 CEILING MATERIAL ELECTIVE No person shall use or apply any adhesive, sealant adhesive primer, or sealant primer All ceiling systems shall comply with Section 806.5 or manufactured on and after January 1, 2012, within the District of Columbia in excess of the applicable VOC content limits specified in the following Table of Standards, except

that are deemed to comply with VOC emission limits: 1. Ceramic tile

2. Clay masonry 3. Concrete

4. Concrete masonry 5. Metal 6. Organic-free, mineral-based

TABLE 806.5(1) **CEILING AND WALL SYSTEMS DEEMED TO COMPLY WITH VOC EMISSION LIMITS** Ceramic and concrete tile Oranic-free, mineral-based

shall be one or more of the following ceiling systems

Gypsum Plaster Clay masonry Concrete Metal **TABLE 806.5(2)** ACCOUSTICAL CEILING TILES AND WALL SYSTEMS VOC

EMISSION LIMITS project, new return air filters shall be installed prior to system flush out and building occupancy. VOC Individual <= 1/2 CA chronic REL* <= 16.5 ug/m3 or <= 13.5 ppb

> A108.2 FLOORING MATERIAL ELECTIVE All flooring materials shall comply with Section 806.4

> > and the tables below.

TABLE 806.4(1) FLOORING DEEMED TO COMPLY WITH VOC EMISSION LIMITS

Ceramic and concrete tile Oranic-free, mineral-based Clay Pavers Concrete Pavers Concrete Metal

TABLE 806.5(2) FLOORING VOC EMISSION LIMITS = 1/2 CA chronic REL* Individual Formaldehyde <= 16.5 ug/m3 or <= 13.5 ppb

A108.3 WALL MATERIAL ELECTIVE

All wall systems shall comply with Section 806.5 or shall be one or more of the following wall systems that are

comply with VOC emission limits: 1. Ceramic tile

2. Clay masonry 3. Concrete 4. Concrete masonry

5. Metal 6. Organic-free, mineral-based

TABLE 806.5(1) CEILING AND WALL SYSTEMS DEEMED TO

COMPLY WITH VOC EMISSION LIMITS Ceramic and concrete tile Oranic-free, mineral-based Gypsum Plaster Clay masonry Concrete Metal

TABLE 806.5(2) ACCOUSTICAL CEILING TILES AND WALL SYSTEMS VOC **EMISSION LIMITS**

VOC LIMIT Individual <= 1/2 CA chronic REL* Formaldehyde <= 16.5 ug/m3 or <= 13.5 ppb

Plastic cement welding (except Architectural - porous material 510 ABS, PVC or CPVC) CATEGORY 5: ADHESIVES APPLIED TO PARTICULAR installation repair SUBSTRATES Structural glazing

CATEGORY 2: SEALANTS VOC Limits Wo

CATEGORY 1: ADHESIVES

Ceramic tile installation

Computer diskette jacket

Contact or contact bond

Cove base installation

CPVC welding

Multi-purpose construction

Non-membrane roof

installation/repair

Thin metal laminating

flooring installation

Waterproof resortinol glue

Sheet-applied rubber installation

Indoor floor covering installation

Motor vehicle weatherstrip

Metal to urethane rubber molding or

manufacturing

as provided in §§ 744.5 and 745:

Table of Standards. VOC Content Limits for Adhesives, Sealants, Adhesive Primers, Sealant Primers

Adhesive, sealant, adhesive limit (grams Adhesive, sealant, adhesive limit (grams

primer or sealant primer category VOC per primer or sealant primer category VOC per

(g/L) Marine deck

Non-membrane roof installation

Single-ply roof membrane

PRIMERS

Automotive glass

CATEGORY 3: ADHESIVE

Motor vehicle glass bonding

Plastic cement welding

Single-ply roofmembrane

CATEGORY 4: SEALANT

Architectural - non-porous material

Porous material (other than wood)

in (g/L)

VOC Limits

Traffic marking tape

and Adhesives Applied to Particular Substrates.

VOC content

850

850

* The VOC content is determined as the weight of less water and exempt compounds as specified in \$74. The VOC content limits in the Table of Standards in § 744.2 for adhesives applied to particular substrates (such as, Category 5), shall apply as follows:

> such adhesive or sealant in the Table of Standards in § 744.2, such specific limit applies rather than an adhesive-to-substrate limit, and (b) If an adhesive is used to bond dissimilar substrates to gether, the applicable substrate category with the highest VOC content shall be the limit for such use.

If an operator uses an adhesive or sealant subject to a specific VOC content limit

Reference tittle 20 for full code language. Table of Standards. VOC Content Limits for Architectural Coatings.1

in (g/L) Other substrates

Coating Category	VOC Content Limit (Grams VOC per liter)
Flat coatings	100
Non-flat coatings	150
Non-flathigh gloss coatings	250
Specialty Coatings	
Antenna coatings	530
Antifouling coatings	400
Bituminous roof coatings	300
Bituminous roof primers	350
Bond breakers	350
Calciminerecoater	475
Clear wood coatings:	
Clear brushing lacquers	680
 Lacquers (including lacquer sanding sealers) 	550
Sanding sealers (other than lacquer sanding sealers)	350
Vamishes	350
Concrete curing compounds	350
Concrete surface retarders	780
Conjugated oil varnish	450
Conversion varnish	725
Dry fog coatings	400
Faux finishing coatings	350
Fire-resistive coatings	350
Fire-retardant coatings	
• Clear	650
Opaque	350
Floor coatings	250
Flow coatings	420
Form-release compounds	250
Graphic arts coatings (sign paints)	500

1 Limits are expressed in grams of VOC per liter of coating thinned to the manufacturer's maximum recommendation, excluding the volume of any water, exempt compounds, or colorant added to tint bases. Manufacturer's maximum recommendation means the maximum recommendation for thinning that is indicated on the label or lid of the coating container.

Conversion factor: one pound VOC per gallon (U.S.) is equivalent to one hundred nineteen and ninetyfive one hundredths grams per liter (119.95 g/L).

Coating Category	VOC Content Limit (Grams VOC per liter) ²
High-temperature coatings	420
Industrial maintenance coatings	340
Impacted immersion coatings	780
Low-solids coatings ³	120
Magnesite cement coatings	450
Mastic texture coatings	300
Metallic pigmented coatings	500
Multi-color coatings	250
Nuclear coatings	450
Pre-treatment washprimers	420
Primers, sealers, and undercoaters	200
Reactive penetrating carbonate stone sealer	600
Quick-dry enamels	250
Quick-dry primers, sealers and undercoaters	200
Recycled coatings	250
Roof coatings	250
Rust preventative coatings	400
Shellacs	
• Clear	730
• Opaque	550
Specialty primers, sealers, and undercoaters	350
Stains	250
Stone consolidants	450
Swimming pool coatings	340
Swimming pool repair and maintenance coatings	340
Temperature-indicator sa fety coatings	550
Thermoplastic rubber coatings and mastics	550
Tra ffic marking coatings	150
Waterproofing sealers	250
Waterproofing concrete masonry sealers	400
Wood preservatives	350

SOURCE: Notice of Final Rulemaking published at 58 DCR 11286, 11397 (December 30, 2011).

3 Units for this coating are grams of VOC per liter (pounds of VOC/gallon) of coating, including water

806.1 Emissions from composite wood products. Composite wood products used interior to the approved weather covering of the building shall comply with the emission limits or be manufactured in accordance with the standards cited in Table 806.1. Compliance with emission limits shall be demonstrated following the requirements of Section 93120 of Title 17, California Code of Regulations, Airborne

Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products.

1. Composite wood products that are made using adhesives that do not contain urea-formaldehyde (UF) resins. 2. Composite wood products that are sealed with an impermeable material on all sides and edges.

3. Composite wood products that are used to make elements considered to be furniture, fixtures and equipment (FF&E) that are not permanently installed.

Cira ratardant composita wood products

	E 806.1 DUCTS EMISSIONS	
PRODUCT	FORMALDEHYDE LIMIT* (ppm)	STANDARD
ardwood Plywood	0.05	
rticle Board	0.09	
edium-density fiberboard	0.11	
nin medium-density fiberboard	0.13	

806.2 Adhesives and sealants. Projects shall comply with the limits on volatile organic compound ("VOC") emissions for adhesives and sealants as stablished in Chapter 7 (Volatile Organic Compounds and Hazardous Air Pollutants) of DCMR Title 20 (Environment).

806.3 Architectural paints and coatings. Projects shall comply with the limits on volatile organic compound ("VOC") emissions for architectural paints and coatings as established in Chapter 7 (Volatile Organic Compounds and Hazardous Air Pollutants) of DCMR Title 20 (Environment)

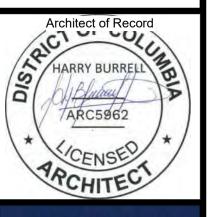
806.6 Insulation. A minimum of 85 percent of insulation shall comply with the requirements of Table 806.6(1) or Table 808.6(2). The test methodology used to determine compliance shall be from CDPH/EHLB/Standard Method V.1.1, Standard Method for Testing VOC Emissions From Indoor Sources, dated February 2010. The emissions testing shall be performed by a laboratory that has the CDPH/EHLB/ Standard Method V.1.1 test methodology in the scope of its ISO 17025 Accreditation.

	TABLE 806.6(1)				
INSULATION	ON VOC EMISSION LIMITS				
VOC	LIMIT				
ndividual	<= 1/2 CA chronic REL*				
ormaldehyde	<= 16.5 ug/m3 or <= 13.5 ppb				
INSULATION MANUF	TABLE 806.6(2) ACTURED WITHOUT FORMALDEHYDE				
VO	C EMISSION LIMITS				
ndividual <= 1/2 CA chronic REL*					

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> Plans Prepared By : CPH, Psc. #283611 **District Of Columbia**





Designed: Designer Drawn: Checked: Checker Job No.: 08/15/2022

COMPLIANCE

THIS SHEET NOT VALID FO CONSTRUCTION WITHOUT **COMPLETE SET OF PLANS** SEE GENERAL NOTES FOR MASTER LEGEND

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION 8/18/2022 4:25:44 PM

Address: 818 POTOMAC AVE, SE, WASHINGTON DC, 20003 Permit #: □ Performance Compliance Path Used: Prescriptive

Project Type	e: New Multifamily Building	enovation				
90.1-2010 Section #	Pre—Inspection Section Description	Prescriptive Code Value	Plan Value	Designer Identified Dwg Page	Plan Review	Field Insp.
4.2.2, 5.4.3.1.1 SR	Plans, specifications, and calculations give info for air—barrier energy compliance.	N/A	COMPLIES	A701 & A702		
Table 5.5-4 SR	Provide Sum of All Exterior Wall Area in Square Feet	N/A	21,638	A201 TO 207		
Table 5.5-4 SR	Provide Sum of All Exterior Window Area in Square Feet	N/A	7,972	A201 TO 207		
Table 5.5-4	Calculate Window to Wall Area (WWA) based on values above.	N/A	0,3684	A201 TO 207		
Table 5.5-4 SR	If WWA≥ 40%, then prescriptive path cannot be used.	N/A	36.84%	A201 TO 207		
4.2.2, 6.7.2 MR	Plans, specifications, and calculations give info for mechanical energy compliance.	N/A	N/A	M1018 TRACE HVAC		
4.2.2, 6.7.2.4 MR	Systems balanced. HVAC Commissioning docs. provided for bldgs ≥ 50,000 sqft.	N/A	N/A	N/A		
4.2.2, 7.7.1 MR	Service Hot Water docs/ calcs and exemption info. given. Boosters have PSI sensors, PSI reducers, & flow controls	N/A	COMPLY	P1020-P102	2	
4.2.2, 8.4.1.2 E	Plans, specs., and calcs. & exemption info given for all relevant electric systems. Branch circuits sized for max drop of 3%. Feeders sized for max. 2% voltage drop at design load.	N/A	N/A	N/A		
4.2.2, 9.4.4 ER	Plans, docs, specs./ calcs and exemption info. given for interior lighting systems and equipment.	N/A	COMPLY	COMCHECK REPORT & E1019		
4, <u>2</u> .2, 9.7	Plans, docs, specs./ calcs and exemption info. given for exterior lighting systems and equipment.	N/A	COMPLY	COMCHECK REPORT & E1019		

90.1-2010 Section #	Faundation Inspections	Prescriptive Code Value	Plan Value	Identified Dwg Page	Plan Review	Field Insp.
5.5.3.3 SR	Below Grade Insulation Wall Value.	R-7.5	COMPLIED	A002.1		
5.8.1.2 INSP	Below Grade Insulation Wall Installed per manufacturer's instructions	N/A	N/A	N/A		
5.5.3.5 SR	Slab edge insulation value	Heated: R-15,24" Unheated: R-10,24"	R-15 R-10	A002.1, A702		
5.8.1.2 INSP	Slab edge Insulation Installed per manufacturer instructions	N/A	N/A	N/A		
5.8.1.7 SR	Ext. Insulation protected against damage, sunlight, moisture, wind, landscaping maintenance activities.	N/A		A701, A702, A005		
5.8.1.7.3 SR	Insulation in contact with the ground has ≤0.3% water absorption rate per ASTM C272	0.3% Water Absorption Rate	0.3%	A702		
6.3.2, 6.4.4.1, 6.4.4.2 MR	Piping, ducts and plenum are insulated and sealed when installed in or under a slab	N/A	N/A	N/A		
6.4.3.8 E	Freeze protection & snow/ice melting sys. sensors for future connection to controls.	N/A	N/A	N/A		
6.4.4.1.5 M	Bottom surface of floor structures using radiant heating insulated to R—3.5	N/A	N/A	N/A		

90.1-2010 Section #	Framing/Rough—In Inspection	Prescriptive Code Value	Plan Value/ Strategy	Identified Dwg Page	Plan Review	Field Insp
5.4.3.1.2 SR	Continuous air—barrier is wrapped, sealed, caulked, gasketed, taped in approved manner.		COMPLIED	A701& A702		
5.4.3.2 S	Factory—built fenestration & doors are labeled as meeting air—leakage requirements.		COMPLIED	A704& A705		
5.4.3.4 S	Vestibules are installed where building entrances separate conditioned space from the exterior & meet exterior envelope requirements. Doors have self closing devices & are 7 feet apart.	N/A	N/A	COMPLIES		
5.5.4.3a SR	Vertical Fenestration U-factor Non-metal framing all: Mtl frame, curtain/store: Mtl frame, entrance door: Mtl frame, all other	U-0.40 U-0.50 U-0.85 U-0.55	U-0.40 U-0.85	A002.1 A704 A705	,	
5.5.4.3a SR	Skylight Fenestration U-factor Skylight w/curb, Glass, %roof: Skylight w/curb, Plastic, %roof Skylight w/OUT curb, All,%roof:	%Roof U-val 0-5%, 0.98 0-5%, 1.30 0-5%, 0.58	N/A	N/A		
5.5.4.4.1 S	Vertical Fenestration SHGC value.	SHGC-0.4	0.40	A002.1 A704 A705		
5.5.4.4.2 SR	Skylight Fenestration SHGC Skylight w/curb, Glass: Skylight w/curb, Plastic: Skylight w/OUT curb, All:	%Roof SHGC 0-2%, 0.36 2-5%, 0.19 0-2%, 0.62 2-5%, 0.27 0-2%, 0.36 2-5%, 0.19	. N/A	N/A		
5.8.2.1 S	Fenetration products rated in accordance with NFRC.		COMPLIE) A704		
5.8.2.2 SR	Fenetration products are certified as to the performance labels or certificates.	N/A	N/A	N/A		
5.8.2.3, 5.8.3.6	U-factor of opaque doors associated with the building themal envelope meets requirements.	Swinging: U-0.70 Non-Swing: U-0.50	0.70	A002.1		

Key: Mandatory for all Compliance Approaches as Relevant to the Scope of Work Mandatory for Prescriptive Approach

Plumbing Rough—In Inspection	Prescriptive Code Value	Plan Value/ Strategy	Designer Identified Dwg Page	Plan Review	Field Insp.
Service hot water pipes insulated. Under slab piping verified during Foundation Inspection.	N/A	N/A	N/A		
Temp. controls installed on service water heating systems (≤120 F to max. temp. range)	N/A	COMPLY		₹	
Automatic time switches installed to switch off the recirculating hot water system or heat trace.	N/A	COMPLY	SEE P1020 WATER RISER DIAGRAM		
Heat traps installed on non-circulating storage water tanks.	N/A	COMPLY	SEE P1001 WATER HEATE DETAIL	R	
	Inspection Service hot water pipes insulated. Under slab piping verified during Foundation Inspection. Temp. controls installed on service water heating systems (≤120 F to max. temp. range) Automatic time switches installed to switch off the recirculating hot water system or heat trace. Heat traps installed on non—circulating storage water	Inspection Service hot water pipes insulated. Under slab piping verified during Foundation Inspection. Temp. controls installed on service water heating systems (≤120 F to max. temp. range) Automatic time switches installed to switch off the recirculating hot water system or heat trace. Heat traps installed on non—circulating storage water	Plumbing Rough—In Inspection Service hot water pipes insulated. Under slab piping verified during Foundation Inspection. Temp. controls installed on service water heating systems (≤120 F to max. temp. range) Automatic time switches installed to switch off the recirculating hot water system or heat trace. Heat traps installed on non—circulating storage water Prescriptive Code Value Stalled N/A N/A N/A COMPLY COMPLY	Plumbing Rough—In Inspection Prescriptive Code Value Strategy Service hot water pipes insulated. Under slab piping verified during Foundation Inspection. Temp. controls installed on service water heating systems (≤120 F to max. temp. range) Automatic time switches installed to switch off the recirculating hot water system or heat trace. Heat traps installed on non—circulating storage water Prescriptive Code Value Value/ Strategy N/A N/A N/A COMPLY SEE P1001 WATER HEATE DIAGRAM SEE P1020 WATER RISER DIAGRAM N/A COMPLY SEE P1020 WATER RISER DIAGRAM SEE P1001 WATER HEATE	Plumbing Rough—In Inspection Prescriptive Code Value Service hot water pipes insulated. Under slab piping verified during Foundation Inspection. Temp. controls installed on service water heating systems (≤120 F to max. temp. range) Automatic time switches installed to switch off the recirculating hot water system or heat trace. Heat traps installed on non—circulating storage water Prescriptive Code Value Stategy Value/ Strategy Identified Dwg Page N/A N/A COMPLY SEE P1001 WATER HEATER DIAGRAM COMPLY SEE P1020 WATER RISER DIAGRAM COMPLY SEE P1001 WATER RISER DIAGRAM COMPLY WATER HEATER

90.1-2010 Mechanical Rough-In Section # Inspection Prescriptive Value/ Strategy Systems Designer Identified Dwg Page Plan Review Insp.

6.4.1.4, 6.4.1.5	HVAC equipment regulated by Federal National Appliance Energy Conservation Act meets requirements. Unregulated equipment labeled as meeting 90.1.	See Code Tables	COMPLY	COMPLY	M1018	
6.4.1.5.2 M	PTAC and PTHP with sleeves 16" by 42" labeled for replacement only.	N/A	N/A	N/A	N/A	
6.4,3,4.1 M	Stair and elevator shaft vents have motorized dampers that automatically close.	N/A	COMPLY	57	м1008	
6.4.3.4.2, 6.4.3.4.3	Outdoor air and exhaust systems have matorized dampers that automatically shut when not in use & meet the maximum leakage rates. Check gravity dampers where allowed.	N/A	COMPLY	56 MOTORIZED DAMPER 115 GRAVITY DAMPER	M1001-M1018	
6.4.3.4.4 M	Ventilation fans >0.75 hp have automatic controls to shut off fan when not required	N/A	N/A	N/A	N/A	
6.4.3.4.5 M	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	N/A	COMPLY		M1001	
6.4.3.9 MR	Demand control ventilation provided for spaces >500 ft2 & >40 ppl/1000 ft2 accupant density & served by systems with air side economizer, auto modulating outside air damper control or design air flow > 3,000 CFM	N/A	N/A	N/A	N/A	
6.4.3.10 M	Single zone HVAC systems with fan motors ≥5HP have variable airflow controls. Air conditioning equip. w/ cooling capacity ≥110,000 Btu/h has variable airflow controls.	N/A	N/A	N/A	N/A	
5.4.4.1.1 M	Insulation exposed to weather is protected from damage. Insulation outside of the conditioned space & assoc. with cooling systems is vapor retardant.	N/A	COMPLY	57	M0000 #39	
6.4.4.1.2 M	HVAC ducts and plenums insulated per space requirements. Table 6.8.2A/B		COMPLY	5	M0000 #13	
6.4.4.1.3 M	HVAC piping insulation thickness. Table 6.8.3A/B		COMPLY	.57	M0000 #39	
6.4.4.1.4 M	Thermally ineffective panel surfaces of sensible heating panels have insulation ≥3.5	R=3.5	N/A	N/A	N/A	
6.4.4.2.1 M	Ducts and Plenums sealed based on static pressure and location.	N/A	COMPLY	57	M0000 #30	
6.4.4.2.2 M	Ductwork operating > 3 in. w.g. requires air leakage testing.	N/A	N/A	N/A	N/A	
6.5.1 MR	Air economizers provided where required, meet the requirementns for design capacity, control signal, and high—limit shuf—off and integrated economizer control.	N/A	N/A	N/A	N/A	
6.5.5.1.1.4 M	Return air and outdoor air dampers meet minimum air leakage requirements.	N/A	COMPLY	57	M1001-M1018	
6.5.5.1.1.5 MR	Meuns provided to relieve excess outside air during economizer operation.	N/A	N/A	N/A	N/A	
6.5.1.2 MR	Water economizers provided where required, meet the requirements for design capacity, maximum pressure drop and integrated economizer control and heating system impact.	N/A	N/A	N/A	N/A	
6.5.1.4 MR	Economizer operation will not increase heating energy use during normal operation.	N/A	N/A	N/A	N/A	
6.5.2.1 MR	Zone controls can limit simultaneous heating & cooling and sequence heating & cooling to each zone.	N/A	COMPLY		SEE SEQ OF OPERATION ON M1018	
6.5.2.2.3 M	Hydronic heat pump systems connected to a common water loop meet heat rejection and heat addition requirements.	N/A	N/A	N/A	N/A	
6.5.2.3 M	Dehumidification controls provided to prevent reheating, recooling, mixing of hot and cold airstreams or concurrent heating & cooling of the same airstream.	N/A	N/A	N/A	N/A	
6.5.2.4 M	Water economizer specified on hydronic cooling & humidification systems designed to maintain inside humidity at >35 F dewpoint if an economizer is required.	N/A	N/A	N/A	N/A	

90.1-2010 Section #	Mechanical Rough—In Inspection HVAC fan motors not larger	Prescriptive Code Value	Plan Value/ Strategy	# Systems	Designer Identified Dwg Page	Plan Review	Fi In
М	than the first available motor size greater than the bhp.	N/A	N/A	N/A	N/A		
6.5.3.1.2 M	VAV fan motors >= 10 HP to be driven by variable speed drive, have a vane—axial fan with variable pitch blades, or have controls to limit fan motor demand.	N/A	N/A	N/A	N/A		
6.5.3.1.2 M	VAV fans have static pressure sensors positioned so setpoint <= 1/3 total design pressure.	N/A	N/A	N/A	N/A		
6.5.3.2.3 M	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.	N/A	N/A	N/A	N/A		
6.5.3.3 M	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint rest controls.	N/A	N/A	N/A	N/A		
6.5.3.4 M	Multiple zone HVAC systems have supply air temperature reset controls.	N/A	N/A	N/A	N/A		
6.5.4.1 M	HVAC pumping systems > 10 HP designed for variable fluid flow.	N/A	N/A	N/A	N/A	,	ĺ
6.5.4.2 M	Reduce flow in pumping systems > 10 HP to multiple chillers or boilers when others are shut down.	N/A	N/A	N/A	N/A		
6.5.4.3 M	Temperature reset by representative building loads in pumping systems > 10 HP for chiller and boiler systems > 300,000 Btu/h.	N/A	N/A	N/A	N/A		
6.5.4.4.1 M	Two-position automaitc valve interlocked to shut off water flow when hydronic heat pump with pumping system > 10 is off.	N/A	N/A	N/A	N/A		
6.5.4.4.2 M	Hydronic heat pumps and water cooled unitary air conditioners with pump systems > 5 HP have controls or devices to reduce pump motor demand.	N/A	N/A	N/A	N/A		
6.5.5.2 M	Fan systems with motors >=7.5 HP associated with heat rejection equipment can operate at $\frac{2}{3}$ of full speed and have fan speed controls.	N/A	N/A	N/A	N/A		
6.5.5.3 M	Centrifugal fan open—circuit cooling towns with a combined capacity >1,100 FPM meet the cooling tower requirements in Table 6.8.1G.	N/A	N/A	N/A	N/A		
6.5.6.1 MR	Exhaust air energy recovery on systems >=5,000 CFM and 70% of design supply air.	N/A	N/A	N/A	N/A		
6.5.6.2 M	Condenser heat recovery system that can heat water to 85 F or provide 60% of peak heat rejection is installed for service hot water in 24 facility, water cooled systems reject >6 MMBtu, and SHW >=1 MMBtu.	(44, 23	N/A	N/A	N/A		
6.5.7.1.1 M	Replacement air introduced directly into the hood cavity of the kitchen exhaust shall not exceed 10% of the hood exhaust airflow rate.	N/A	N/A	N/A	N/A		
6.5.7.1.2 M	Conditioned supply air to space with a kitchen hood shall not exceed the greater of a) supply flow required to meet space heating or coaling, or b) hood exhaust flow minus the available air transfer from available spaces.	N/A	N/A	N/A	N/A		
6.5.7.1.3 M	Kitchen hoods with a total exhaust airflow rate >5,000 CFM meet exhaust rate requirements.	N/A	N/A	N/A	N/A		
6.5.7.1.4 M	Kitchen hoods with a total exhaust airflow rate >5,000 CFM meet replacement air, ventilation system, or energy recovery requirements.	N/A	N/A	N/A	N/A		
6.5.7.1.5 M	Approved field test used to evaluate design air flow rates and demonstrate proper capture and containment of kitchen exhaust systems.	N/A	N/A	N/A	N/A		
6.5,7.2 MR	Fume hood exhaust systems >=15,000 CFM have VAV hood exhaust and supply systems, direct make—up air or heat recovery.	N/A	N/A	N/A	N/A		
6.5.8.1 M	Unenclosed spaces that are heated use only radiant heat.	N/A	N/A	N/A	N/A		
6.5.9 MR	Hot gas bypass systems limited to: <=240 kBtu/h — 50% >240 kBtu/h — 25%	N/A	N/A	N/A	N/A		
7.4.2 _g	Service water heating equipment meets efficiency requirements.	N/A	N/A	N/A	N/A		
7.5.1 M	Combined space and water heating system not allowed unless standby loss less than calculated maximum. AHJ has approved or combined connected load < 150 kBtu/h.	N/A	N/A	N/A	N/A		
7.5.2 M	Service water heating equipment used for space heating complies with the service water heating equipment requirements.	N/A	COMPLY	Ť.	P1001 WATHEATER DETAIL & P1020 RIS DIAGRAM		

90.1-2010 Section #	Mechanical Rough—In Inspection	Prescriptive Code Value	Value/ Strategy	# Systems	Identified Dwg Page	Plan Review	Field Insp
6.5.3.1.2 M	HVAC fan motors not larger than the first available motor size greater than the bhp.	N/A	N/A	N/A	N/A		
6.5.3.1.2 M	VAV fan motors >= 10 HP to be driven by variable speed drive, have a vane—axial fan with variable pitch blades, or have controls to limit fan motor demand.	N/A	N/A	N/A	N/A		
6.5.3,1.2 M	VAV fans have static pressure sensors positioned so setpoint <= 1/3 total design pressure.	N/A	N/A	N/A	N/A		
6.5.3.2.3 M	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.	N/A	N/A	N/A	N/A		
6.5.3.3 M	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint rest controls.	N/A	N/A	N/A	N/A		
6.5.3.4 M	Multiple zone HVAC systems have supply air temperature reset controls.	N/A	N/A	N/A	N/A		
6.5.4.1 M	HVAC pumping systems > 10 HP designed for variable fluid flow.	N/A	N/A	N/A	N/A		è
6.5.4.2 M	Reduce flow in pumping systems > 10 HP to multiple chillers or boilers when others are shut down.	N/A	N/A	N/A	N/A		
6.5.4.3 M	Temperature reset by representative building loads in pumping systems > 10 HP for chiller and boiler systems > 300,000 Btu/h.	N/A	N/A	N/A	N/A		
6.5.4.4.1 M	Two—position automaitc valve interlocked to shut off water flow when hydronic heat pump with pumping system > 10 is off.	N/A	N/A	N/A	N/A		
6.5.4.4.2 M	Hydronic heat pumps and water cooled unitary air conditioners with pump systems > 5 HP have controls or devices to reduce pump motor demand.	N/A	N/A	N/A	N/A		
6.5.5.2 M	Fan systems with motors >=7.5 HP associated with heat rejection equipment can operate at $\frac{2}{3}$ of full speed and have fan speed controls.	N/A	N/A	N/A	N/A		
6.5.5.3 M	Centrifugal fan open—circuit cooling towns with a combined capacity >1,100 FPM meet the cooling tower requirements in Table 6.8.1G.	N/A	N/A	N/A	N/A		
6.5.6.1 MR	Exhaust air energy recovery on systems >=5,000 CFM and 70% of design supply air.	N/A	N/A	N/A	N/A		
6.5.6.2 M	Condenser heat recovery system that can heat water to 85 F or provide 60% of peak heat rejection is installed for service hot water in 24 facility, water cooled systems reject >6 MMBtu, and SHW >=1 MMBtu.	N/A	N/A	N/A	N/A		
6.5.7.1.1 M	Replacement air introduced directly into the hood cavity of the kitchen exhaust shall not exceed 10% of the hood exhaust airflow rate.	N/A	N/A	N/A	N/A		
6.5.7.1.2 M	Conditioned supply air to space with a kitchen hood shall not exceed the greater of a) supply flow required to meet space heating or coaling, or b) hood exhaust flow minus the available air transfer from available spaces.	N/A	N/A	N/A	N/A		
6.5.7.1.3 M	Kitchen hoods with a total exhaust airflow rate >5,000 CFM meet exhaust rate requirements.	N/A	N/A	N/A	N/A		
6.5.7.1.4 M	Kitchen hoods with a total exhaust airflow rate >5,000 CFM meet replacement air, ventilation system, or energy recovery requirements.	N/A	N/A	N/A	N/A		
6.5.7.1.5 M	Approved field test used to evaluate design air flow rates and demonstrate proper capture and containment of kitchen exhaust systems.	N/A	N/A	N/A	N/A		
6.5.7.2 MR	Fume hood exhaust systems >=15,000 CFM have VAV hood exhaust and supply systems, direct make—up air or heat recovery.	N/A	N/A	N/A	N/A		
6.5.8.1 M	Unenclosed spaces that are heated use only radiant heat.	N/A	N/A	N/A	N/A		
6.5.9 MR	Hot gas bypass systems limited to: <=240 kBtu/h — 50% >240 kBtu/h — 25%	N/A	N/A	N/A	N/A		
7.4.2 M	Service water heating equipment meets efficiency requirements.	N/A	N/A	N/A	N/A		
7.5.1 M	Combined space and water heating system not allowed unless standby loss less than calculated maximum. AHJ has approved or combined connected load < 150 kBtu/h.	N/A	N/A	N/A	N/A		
7.5.2 M	Service water heating equipment used for space	N/A	COMPLY	Ť	P1001 WATHEATER	ER	

Section #		Code Value	Strategy	Dwg Page
8.4.2 E	At least 50% of all 125 volt 15— and 20— amp receptacles are controlled by an automatic device.	N/A	N/A	N/A
9.4.1.1 ER	Automatic lighting control to shut off all project lighting by a time of day schedule, an occupant sensor, or from another control alarm system.	N/A	N/A	E1001- E1007
9.4.1.2 ER	Independent lighting control readily accessible and visible to occupants.	N/A	COMPLY	E1001- E1016
9,4.1.2 ER	Independent lighting control has at least three steps: OFF, ON, and one step between 30 — 70% lighting power.	N/A	N/A	N/A
9.4.1.2b ER	An occupancy sensor or timer automatically turns off lights 30 min. after occupants leave. Applicable to: 1) classrooms/lecture halls 2) conference/meeting room 3) lunch or break room 4) storage rooms 50—1,000ft 5) office spaces up to 250ft2 6) copy/printing rooms 7) restrooms 8) dressing/locker fitting rm.	N/A	COMPLY	E1001 — E1007
9.4.1.2c	For spaces not included in 9.4.2.1b, control device shall be activated "on" manually or by an occupant sensor. Override of any scheduled shut off control is allowed for maximum of 2 hours.	N/A	N/A	N/A
9.4.1.3 E	Parking garage lighting is equipped with required lighting controls and daylight transition zone lighting.	N/A	N/A	E1001
9.4.1.4 ER	Primary side—lighted area >=250 are equipped with lighting controls.	N/A	N/A	N/A
9.4.1.5 ER	Enclosed spaces with daylight area under skylights and rooftop monitors >900 square feet are equipped with required lighting controls.	N/A	N/A	N/A
9.4.1.7 E	Automatic lighting controls for exterior lighting included in project.	N/A	COMPLY	E1003- E1007
9,4.2 ER	Exit signs do not exceed 5 watts per face.	5 Watts/Face	COMPLY	E1019 LIGHT SCHED
9.4.3 ER	Exterior grounds lighting over 100W provides >60 m/W unless on motion sensor or fixture is exempt from scope of code or from external LPD.	N/A	N/A	N/A
9.6.2 ER	Additional interior lighting power allowed for special functions is automatically controlled and separated from general lighting.	N/A	N/A	N/A
9,6.3 E	Where space LPD requirements are adjusted based on room cavity ratios, dimensions are consistent with plans.	N/A	N/A	N/A
10.4.1 E	Electric motors meet requirements where applicable.	N/A	N/A	N/A
90.1-2010 Section #	Insulation Inspection	Prescriptive Code Value	Plan Value/ Strategy	Designer Identified Dwg Page
5.4.3.1 SR	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed or weather stripped to minimize air leakage.		COMPLY	A701, A702
5,5,3,1 SR	Roof R-value. Above Deck: Metal: Attic:	R-20 c.i. R-13+R-13 R-38	R-20 c.i.	A703
5.8.1.2 SR	Roof insulation installed per manufacturer's instructions. Blown or poured loose fill insulation installed only where the roof slope >= 3/12	N/A	N/A	N/A
5.5.3.1 SR	Skylight curbs insulated to the level of roofs with insulation above deck or R-5.	N/A	N/A	N/A
5.5.3.1.1 SR	High—albedo roofs meet solar reflectance requirements of 0.70 & thermal emittance of 0.75 or SRI of 82.	N/A	N/A	N/A
5.5.3.2 SR	Above Grade wall insulation R-value. Mass: Metal Bldg: Steel-framed: Wood-framed:	R-11.4 c.i. R-19 R-13+R7.5c R-13+R3.8c	R-11.4c.i. R13+7.5C R13+3.8C	&A702
5.8.1.2 INSP	Above Grade wall insulation installed per manufacturer's requirements.	N/A		
5.5.3.4 SR	Floor insulation R—value, Mass: Steel—joist: Wood—framed:	R-10.4 c.i. R-30 R-30	R-10.4 R-30	A701& A702& A703
5.8.1.2 INSP	Floor insulation installed per manufacturer's requirements.		COMPLIED	A703
5.8.1.1 INSP	Bldg. envelope insul. is labeled w/ R-val or Insul. certificate.		COMPLIED	A/02
5.8.1.4 S	Eaves are baffled to deflect air to above the insulation.	N/A	N/A	N/A
5.8.1.5 S	Insulation installed in substantial contact with the inside surface separating cond. from uncond. space		COMPLIED	A701, A702
5.8.1.6 S	Recessed equipment installed in bldg evelope assemblies does not compress the adjacent insulation.		COMPLIEC	A701, A702

adjacent insulation. 5.8.1.7 Exterior insulation is protected

5.8.1.7.1 Attics and mechanical rooms

equipment access.

5.8.1.8 Thermal roof insulation cannot

5.8.1.7.2 Foundation vents do not S interfere with insulation.

S suspended ceiling.

S from damage with protective material.

S | where adjacent to attic or

have insulation protected N/A

be installed on top of a N/A

COMPLIED A701, A702

N/A N/A

N/A N/A

90.1—2010 | Flectrical Rough—In Inspection | Prescriptive | Code Value | Strategy | Dwg Page | Plan | Review | Insp.

90.1—2010 Section # Final Inspection		Prescriptive Code Value			Plan Reviev
5.4.3.3 SR	Weatherseals installed on all loading dock cargo doors in Climate Zones 4—8	N/A	N/A	N/A	
6.4.3.1.1 M	Heating and cooling to each zone is controlled by a thermostat	N/A	COMPLY	м1001-м1018	
6.4.3.1.2 M	Thermostatic controls have a 5 degree F deadband.	N/A	COMPLY	M0000 #16	
6.4.3.2 M	Temperature controls have setpoint overlap restrictions.	N/A	COMPLY	M0000 #16	
6.4.3.3.1 M	HVAC systems equipped with at one auto, shutdown control	N/A	N/A	N/A	
6.4.3.3.2 M	Setback controls allow auto. restart & temp. operation as required for maintenance.	N/A	N/A	N/A	
6.4.3.3.3 M	Systems with air capacity > 10,000 CFM include optimum start controls.	N/A	N/A	N/A	N/A
6.4.3.3.4 M	Zone isolation devices and controls.	N/A	N/A	N/A	N/A
6.4.3.5 M	Heat pump controls prevent supplemental elect, resistance heat from coming on when not needed.	N/A	N/A	N/A	
6.4.3.7	When humidification and dehumidification is provided to a zone, simultaneous operation is not possible.	N/A	N/A	N/A	N/A
6.7.2.1 M	Furnished HVAC as—built drawings submitted within 90 days of system acceptance.	N/A	N/A	N/A	
6.7.2.2 M	Furnished O&M Manual for HVAC systems.	N/A	COMPLY	M0000 #48	
6.7.2.3 MR	An air and/ or hydronic system balancing report is provided for HVAC systems service zones >5,000 ft2 of conditioned area.	N/A	N/A	N/A	N/A
6.7.2.4 MR	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls	N/A	COMPLY	M0000 #48	
7.4.4.3 M	Provide lavatory faucet temperature <= 110 deg. F.	110 Deg F	COMPLY	P1001	
7.4.4.4 M	Controls are installed that limit the operation of a recirculation pump installed to maintain temp. of a storage tank.	N/A	N/A	N/A	N/A
7.4.5.1 M	Pool heaters are equipped with on/off switch and no continuous burning pilot light.	N/A	N/A	N/A	N/A
7.4.5.2 M	Pool covers are provided for heated pools and pools heated to >90 deg F. have a cover >=R-12.	N/A	N/A	N/A	N/A
7.4.5.3 M	Time switches are installed on all pool heaters and pumps.	N/A	N/A	N/A	N/A
8.7.1 E	Furnished as—built drawings for electric power systems within 30 days of system acceptance.		COMPLY	E1019	N/A
8.7.2 E	Furnished O&M manuals for electrical power systems and equipment.		COMPLY	E1019	N/A
9.2.2.3 ER	Installed lamps and fixtures are consistent with what is shown on the approved lighting plans, which demonstrate proposed watts are less than or equal to allowed watts.	N/A	COMPLY	SEE LIGHT SCHED ON E1019	
9.4.3 ER	Exterior lighting power demonstrated proposed watts are less than or equal to allowed watts.	N/A	COMPLY	SEE COMCHECK REPORT	
10.4.3 E	Elevators are designed with proper lighting, ventilation power, and standby mode.	N/A	N/A	N/A	N/A

Prescriptive Plan Designer Plan Field

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> Plans Prepared By: CPH, Psc. #283611 **District Of Columbia**

CELEBRATING

DCRA Energy Verification Sheet

ASHRAE 90.1-2010 Multifamily

Version 1.0_2014

This Energy Verification Sheet is based on DOE's Store and Score spreadsheets and was adapted to fit the 2013 DC Energy Conservation Code. This verification sheet does not replace the 2013 DC ECC or ASHRAE 90.1-2010 and is included for DCRA to verify significant requirements during permitting and inspection. The project team shall design and install the building to the full energy code, irrespective of any one measure's existence on this sheet. The project team shall also include this document into their drawings and fill it in for Multifamily residential projects.

Directions: Each trade shall be responsible for filling out the sections of this page that are applicable to their discipline. Architects should fill out any code section starting with "S" or "SR", Mechanical trades should fill out any section starting with "M" or "MR," and Electrical should fill out any section starting with "E" or "ER." Every row must be completed to have compliant documentation. The design team is responsible for filling out the "Plan Value," "Identified Drawing Page," and "# Systems" columns. The "Identified Drawing Page" means that the page number associated with the project should be input that shows how compliance is being met. Should a measure be not applicable to the project scope, then the project team may place "N/A" (not applicable) in each cell of the row or cross out each cell of the row. Exemptions to measures are not included in this verification sheet, so it is up to the design team to read the code for applicable exemptions and place "Exempt per Section (insert code section # here)."Projects using the Performance Path (energy modeling) need to fill in only the light gray, highlighted, mandatory rows. Other Compliance Approaches require filling in all rows. Completion of this page does not absolve project teams from providing other energy verification documentation. The "Plan Review" and "Field Insp." columns are for Plan Reviewers and Field Inspectors only with the exemption of crossing out each cell in the row due to project scope. Plan Reviewers and Field inspectors should sign off on each item they inspected and confirm compliance. Photos of the completed sheets must be

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND Sheet No.

Checked: Checker

Job No.:

08/15/2022

8/18/2022 4:25:52 PM

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION



GOVERNMENT OF THE DISTRICT OF COLUMBIA Department of Consumer and Regulatory Affairs Schedule of Special Inspections

Name of Agency Date

Work Type	Description	Y/N	Firm	Continuous	Periodic	IBC Section	Other Standard	Non Chapter 17
Site								
Location of work per site plan	Field test and inspection					1204.7.1		
Soil compaction	Field test and inspection-density test		- 1			1704.7.3		
Foundation sub-grade & bearing capacity	Field test and inspection			11				
Fill placement	Field test and inspection					1704.7.2	IBC3304	0
Pile Foundation							7	
Verify pile materials, sizes, and lengths comply with requirements and construction documents	Field inspection-per approved construction documents			x		1704.8		
Determine capacities of test piles and conduct additional load test as required	Field Inspection-per approved construction plans			x		1704.8		
Observe driving operations and maintain complete and accurate records for each pile	Field inspections-per approved constructions documents			x		1704.8		
Verify placement locations and plumbness, confirm type and size of hummer, record number of blows per foot of penetration, verify required penetrations to achieve design capacity, record tip and butt elevations and document any pile domage	Field inspections-per approved construction documents			×		1704.8		
For steel piles, perform additional inspections per Section 1704.3	Field inspection-per approved construction documents			1 - 1		1704.8		
For concrete piles and concrete-filled piles, perform additional inspections per section 1704.4.	Field inspections per approved- construction documents					1704.8		
For specialty piles, perform additional inspections determines by the registered design professional in responsible charge	Field inspections per approved construction documents					1704.8		
For augured uncased piles, perform inspections per section 1704.9	Field inspections per approved construction documents			10		1704L8		

Pier Foundations-Concrete				3	4	
Observe drilling operations	Field inspections			1704.9		
Verify placement locations, size and adequate bearing	Field inspections		19	1704.9	38	(ž
Review materials supplied and certifications of mix	Field Inspections			1704.4.1	ACI 318	1904, 1905.2- 1905.4, 1903.5, 1907, 1914.4
Location of footing	Field inspections		(8)	1704.4		120,50000 (0000000000000000000000000000000
Footing size	Field inspections	9 4	3	1704.4	Maria and a second	- 12
Strength of footing PSI	Laboratory testing			1704.5	ACI 530	
Pier Foundations- Masonry			3	- 3	1	- (6)
Observe drilling and placement	Field inspections			1709.4		
Verify placement locations, size and adequate bearing	Field inspections			1704.9		
Review products supplied verses materials submitted	Field inspections		19	1704.5	200	3 3
Acceptance test				1704.5	ACI 530	Acceptance test
Strength	Testing & review of strength			1704.5	ACI 530	The season of the contract of
Reinforcing in walls	Field inspections per approved construction documents			1704.5	ACI 530	
Placement of anchors	Field inspections per approved construction documents		*	1704.5	ACI 530	, i
Mortar and grout placement	Field inspections per approved construction documents			1704.5	ACI 530	
Mortar joints	Field inspections per approved construction documents		15	1704.5	ACI 530	0.00
Mortar Type	Field inspections per approved construction documents		19	1704.5	ACI 530	3 (3
Grade of reinforcing	Field inspections per approved construction documents			1704.5	ACI 530	
Protection	Field inspections per approved construction documents			1704.5	ACI 530	
Footing/Concrete			- 3			
Location of footing	Field inspections per approved construction documents		: 2	1704.4		
Size of footing	Field inspections per approved construction documents			1704.4		1
Strength of footing PSI	Laboratory testing per approved construction documents			1704.4	76	26
Reinforcing steel	Field inspections per approved construction documents		x	1704	ACI 318	1913.4
Concrete				- 1		*
Cold Weather			9		ACI 306	
Hot Weather		1	10	4	ACI 305	

Reinforcing steel	Field inspections per approved construction documents		x	1704	ACI 318	1913.4
Reinforcing steel welding	Field inspections per approved construction documents	9	- 23	1704.3	AWS D1.4, ACI 318	5
Bolts	Field inspections prior to and during placement per approved construction documents		3	1704.3		1911.5
Design Mix	Field inspections per approved construction documents	x	10	1704	ACI 318	1904.2.2, 1913.2, 1913.3
Samples (strength, slump, air)	Field inspections, sampling per approved construction documents	X	15-	1704	ASTM C 172, C31, ACI 318	1913.10
Placement – concrete and shotcrete	Field inspections per approved construction documents	X	:8	1704	ACI 318	1913.6, 1913.7, 1913.8
Curing	Field inspections per approved construction documents and laboratory testing	x		1704	ACI 318	
Application of prestressed forces	Market Control of the	X	-	1704	ACI 318	
Grouting and bonded prestressed tendons	0 8	х	- 33	1704	ACI 318	5
Erection of precaast members			X	1704	ACI 318	5
Verification of in-site concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs			x	1704	ACI 318	
Inspection of formwork for shape, lines, location and dimensions of concrete members being formed: shoring /reshoring			x	1704	ACI 318	
Structural Precast Concrete			i i			i e
Quality controls in plant				1704.2		
Erection and installation					ACI 318	
Fire Resistance		10	X	*	ACI 189	721.2.3.1
Masonry			13			
Verify proportions of site prepared motor, grout and prestressed grout for bonded tendons	Field inspections per approved construction documents		х	1704.5	ACI 530	
Verify construction of mortar	Field inspections per approved construction documents		X	1704.5	ACI 530	5
Verify location of reinforcement and connectors, and placement of prestressing tendons and anchorages	Field inspections per approved construction documents		х	1704.5	ACI 530	6

Verify prestressing technique	Field inspections		X	1704.5	ACI 530	
Verify size and location of structural masonry elements	Field inspections per approved construction documents	- 17.1 17.1	x	1704.5	ACI 530	-3
Verify type, size, and location of anchors, including details of anchorage of masonry to structural members, frames, or other construction	Field inspections per approved construction documents	x	х	1704.5	ACI 530	
Verify size, grade and type of reinforcement	Field inspections per approved construction documents		X	1704.5	ACI 530	3.2
Verify welding of reinforcement bars	Field inspections per approved construction documents	x		1704.5	ACI 530	
High strength bolting Verify protection of masonry during hot/cold weather	Field inspections per approved construction documents	x	х	1704.5	ACI 530	
Verify grout space is clean prior to grouting	Field inspections per approved construction documents	x	X	1704.5	ACI 530	
Verify grout placement complies with code and construction document provisions	Field inspections per approved construction documents	x	0	1704.5	ACI 530	
Testing of grout specimens, motor specimens and/or prisms required by construction documents	Field inspections per approved construction documents	x		1704.5	ACI 530	
Observe preparations of prisms required by construction documents	Field inspections per approved construction documents	x	- 0	1705.4	ACI 530	
Verify compliance with testing and inspection provisions of construction documents and the approved submittals	Field testing and inspections per approved construction documents		x	1705.4	ACI 530	
Verify grade and size of prestressing tendons and anchorage	Field inspections per approved construction documents		X	1705.4	ACI 530	
Verify application of measurement of prestressing force	Field inspections per approved construction documents	X	x	1705.4	ACI 530	
Hot/Cold Weather Protection			X	1704.5.3		2104.3, 2104.4
Slabs (ground or elevated)			: =:		960	38
Verify Thickness and Design Mix	Field inspections per approved construction documents			17040.4	ACI 318	1905.9, 1905.10, 1914.6, 1914.7, 1914.8
Verify rebar size	Field inspections per approved construction documents	33		1704.4	ACI 318	1903.5, 1907. 1914.4
Verify rebar spacing	Field inspections per approved construction documents		184	1704.4	ACI 318	1903.5, 1907, 1914.4
Rebar location in slab	Field inspections per approved construction documents		15-	1704.4	ACI 318	1903.5, 1907, 1914.4

Floor penetrations	Field inspections per approved construction documents		35	1704.4	ACI 318	1905.9, 1905.10, 1914.6, 1914.7, 1914.8
Vapor Retarder and insulation	7				3	IECC
Sand and gravel	Exercise to the second		33	Becommon	₩.	£
Strength of concrete	Field inspections per approved construction documents			1704.4	ACI 318	1906.2, 1914.10
Grade of rebar or reinforcing	Field inspections per approved construction documents		-	1704.4	ACI 318	
Anchorage	Section and the section of the secti					Ĺ
Inspection of Field Fabricators			- 5		18	1
Verify fabrication/ quality control procedures (fabricator certification OK in lieu of quality control)	In plant review			1704.2		
Structural Steel			:81	4	0.00	100
Material verification of high-strength bolts, nuts and washers: ID markings	Review material markings and certificates of compliance	8 6	- N	1704.3	AISC 360	26 30:
High Strength Bolting				1704.3	AISC 360 M2.5	
A. Snug-tight joints	Field inspection		X	1704.3	AISC 3	
B. Pre-tensioned and slip critical joints	Field inspection		х	1704.3	AISC 360	
 Turn-of-nut with matching markings 	Field inspections		х	1704.3	AISC 360	
Direct tension indicator	Field inspections		X	1704.3	AISC 360	
Twist-of-bolt	Field inspections		X	1704.3	AISC 360	
 Twist-of-nut without matching markings 	Field inspections	X	x	1704.3	AISC 360	
Calibrated wrench	Field inspections	x				
Material verification of structural steel			12			
1. Identification markings	Field inspections		X	1704.3	ASTM A6	
2. Certified mill test	Review submittals			1704.3	ASTM A6	
Verification of Weld Filler Material	Shop and field verification	* *		1704.3.1	*	8
 Complete and partial penetration Grieve welds 		X	20 20	1704.3.1	AWS D1.1	38
2. Multi-pass fillet welds		X	32	1704.3.1	AWS D1.1	\R
3. Single-pass fillet welds >5/16"	6	x		1704.3.1	AWS D1.1	36
 Single-pass fillet welds <5/16" 		x		1704.3.1	AWS D1.1	

Floor and deck welds			X	1704.3.1	AWS D1.1	
Reinforcing Steel Welding	E C		3		Lance	
Verification of weldability		80	X		AWS D1.4	
Reinforcing steel-resisting Flexural and axial forces		x			AWS D1.4	
3. Shear reinforcement		X	72		AWS D1.4	
4. Other reinforcement			X		AWS D1.4	16
Steel Frame Joint Inspections	Field Inspection		- 13	4	8	8
Bracing and stiffening	Treat Inspection		X	1704.3		ĺ
2. Member locations			x			
3. Joint details at each location			x			
Structural steel installation	Field inspections per approved construction documents		15	1704.3	ASTM A6	
Structural steel-size of each member	Field inspections per approved construction documents		100	1704.3	ASTM A6	
Structural steel-location of members	Field inspections per approved construction documents			1704.3	ASTM A6	5
Structural steel-bearing of members	Field inspections per approved construction documents			1704.3	ASTM A6	
Wood Construction	PROCESS CONTRACTOR CON		- 02	- 1		3.0
Fabrication process of wood structural elements and assemblies	In plant, submittals and field verification	100	x	1704.6	6	26
High-load diaphragms	Inspection of sheeting, framing size, number and spacing of fasteners		х	1704.6.1	3	-8
Structural wood			: 5	1704.5	60	100
Fire resistive wood	* · · ·	8	:9	8		- 15
Fire Resistance			3			
Spray Fire-resistant Materials (SFRM)			100	1704.10	5	
Verify surface condition preparation of structural members	Field inspections per approved construction documents			1704.10		
 Verify application of spray applied material 	Field inspections per approved construction documents			1704.10		721
Verify average thickness, density and cohesive/adhesive	Field inspections per approved construction documents		х	1704.10.3 - 1704.10.5.2	ASTM E 605 ASTM E 736	721

bond strength of SFRM			4	1
Mastic and Intumescent Fire Resistant Material		1704.11	36	36
Inspect for proper application of coatings to structural elements	Field inspections per approved construction documents	1704.11	AWCI 12-B	36
Exterior Insulation and Finish Systems (EIFS)		1704.12		
Verify material, details and installation	Field inspections per approved construction documents and manufactures specifications	1704.13	35	8
Special Cases	ty collection countries and collection and collecti		76	3.6
Unusual in nature, including but not limited to alternative construction materials, unusual design applications, systems or materials with special manufacturer requirements	Submittal review, shop inspection and/or field inspection or code modification		8	
Smoke Control				
Leakage testing and recording device locations	Field testing prior to concealment	1704.14	NFPA 92B	909
Pressure difference testing, flow measurement and detection and control verification	Field testing prior to occupancy	1704.14		
Tower Cranes, Personnel Hoist, Material Hoist and Construction Elevators	Foundation with load calculations Installed per approved construction documents	15	8 0	12
Earth Retention Systems	Installed per approved design		78	

Firm No.	Firm Name	Telephone #	Contact Name	Email
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Department of Consumer and Regulatory Affairs

Statement of Special Inspections

Purpose: The purpose of this form is to capture the statement of special inspections and all professional

Instructions: All information that pertains to the applicant must be completed on all pages of this form.

Project Address:__

retained for conducting these inspections or tests.

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Construction Code. It includes a Schedule of Special Inspections applicable to this project as well as the name of the Special Inspections Engineer(s) of Record, and the Identity of other agents such as testing laboratories aragencies intended to be

The Special Inspections Engineer of Record (SIER) shall keep records of specified inspections, and shall furnish inspection reports to the Chief Building Official, DCRA Inspector or Third-Party Inspector, appropriate Registered Design Professionals (RDP), Owner and Contractor, All discrepancies shall be brought to the immediate attention of the Contractor and the Registered Design Professional in Responsible Charge for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Chief Building Official and appropriate RDP(s), Interim reports and an activity/incident log shall be made available to the DCRA Inspector or Third-Party Inspector according to the DCRA Special Inspections. Manual.

All fees/costs related to the performance of Special Inspections shall be the responsibility of the Owner. Additionally, the undersigned (RDP or SIER) are onlyacknowledging that the items enumerated on the Schedule of Special Inspections are consistent with the required design elements, the applicable sections of the DCMR, and their area of expertise.

General Contractor:_____Company:_____License #; _____
Owner or Owner's Agent:______Date:_____



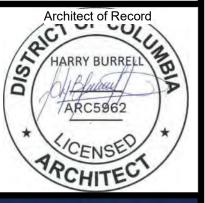
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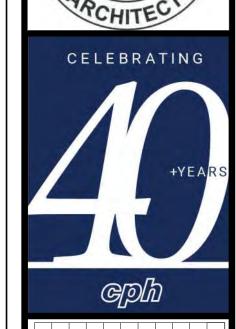
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District Of Columbia





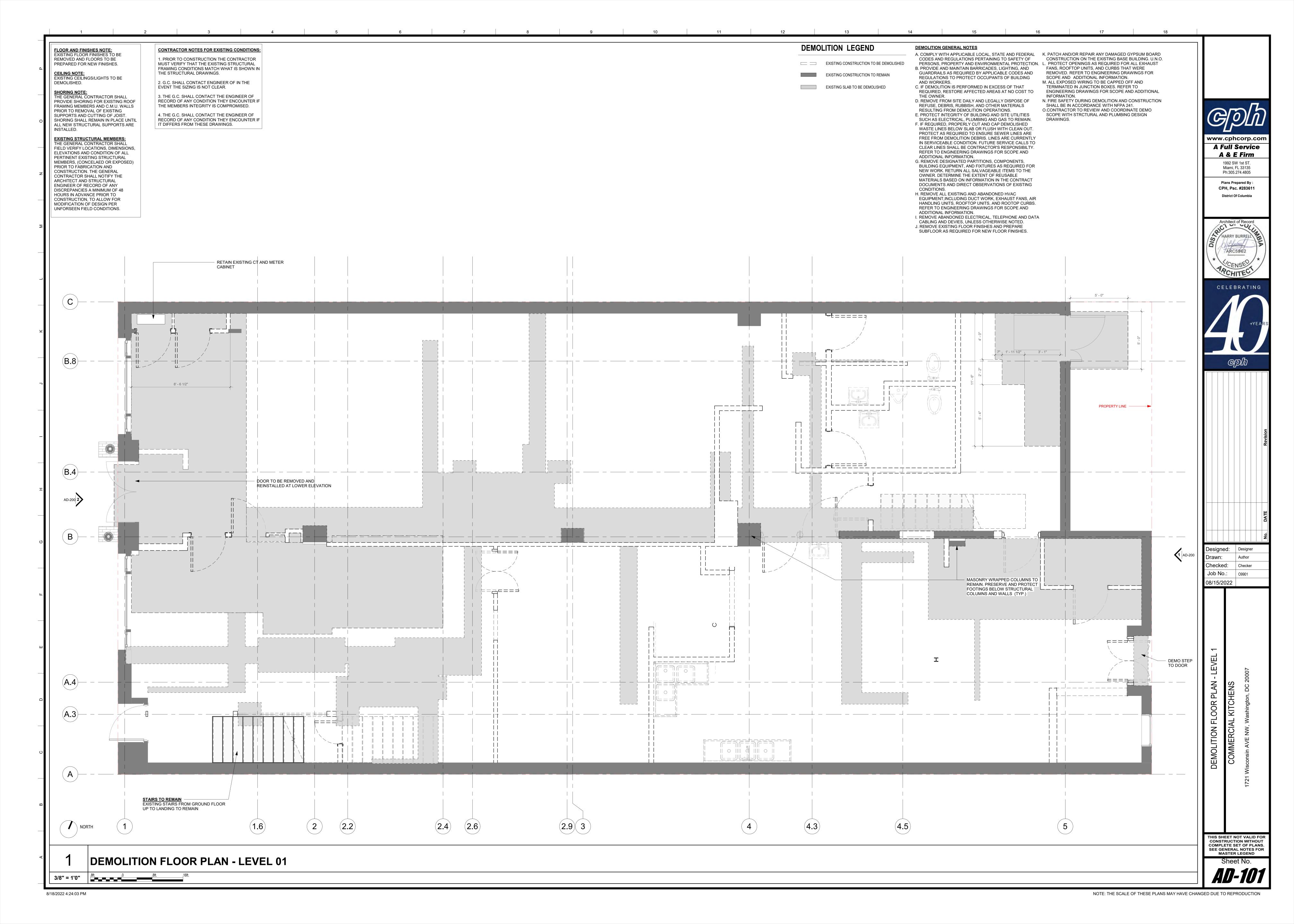
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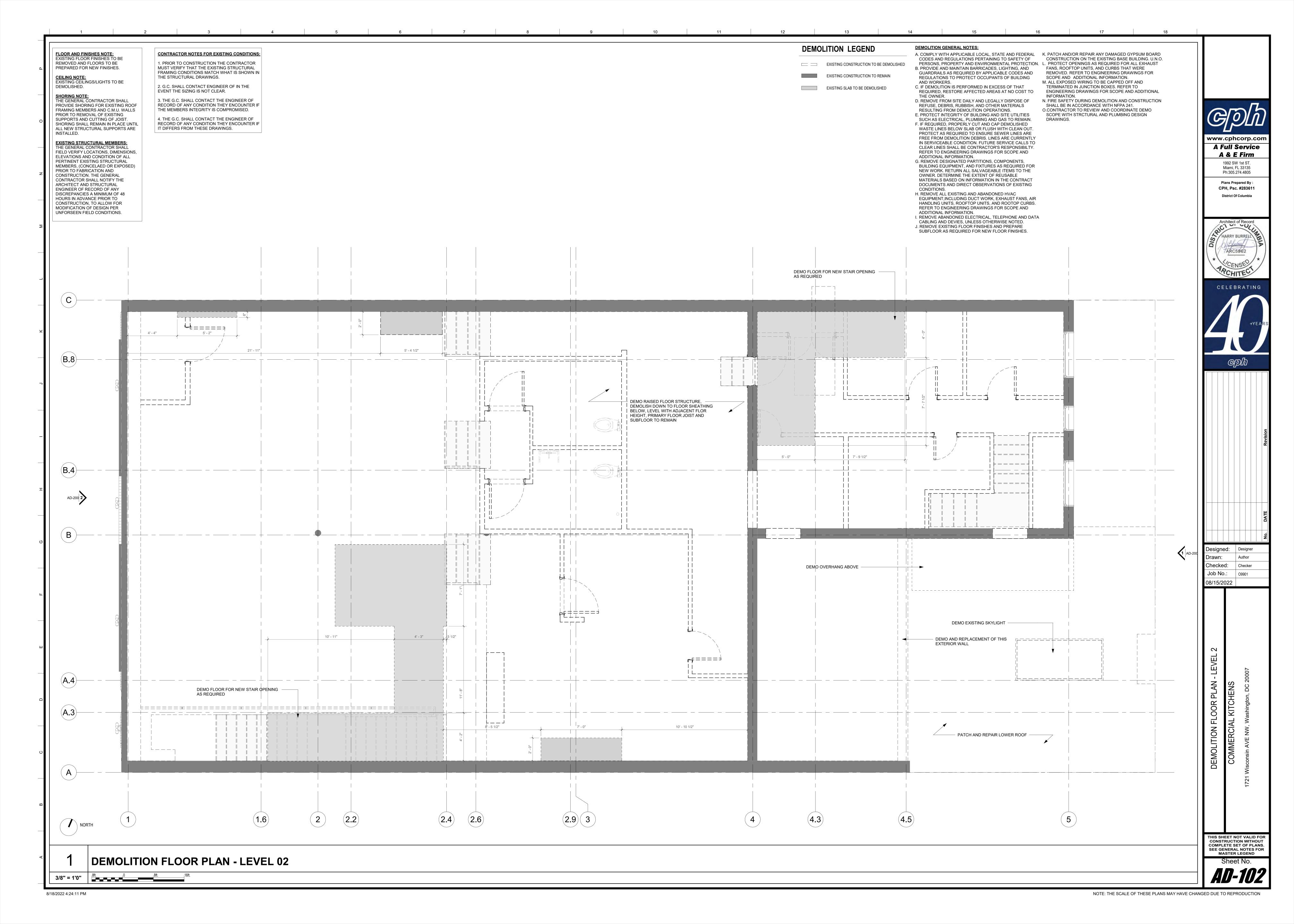
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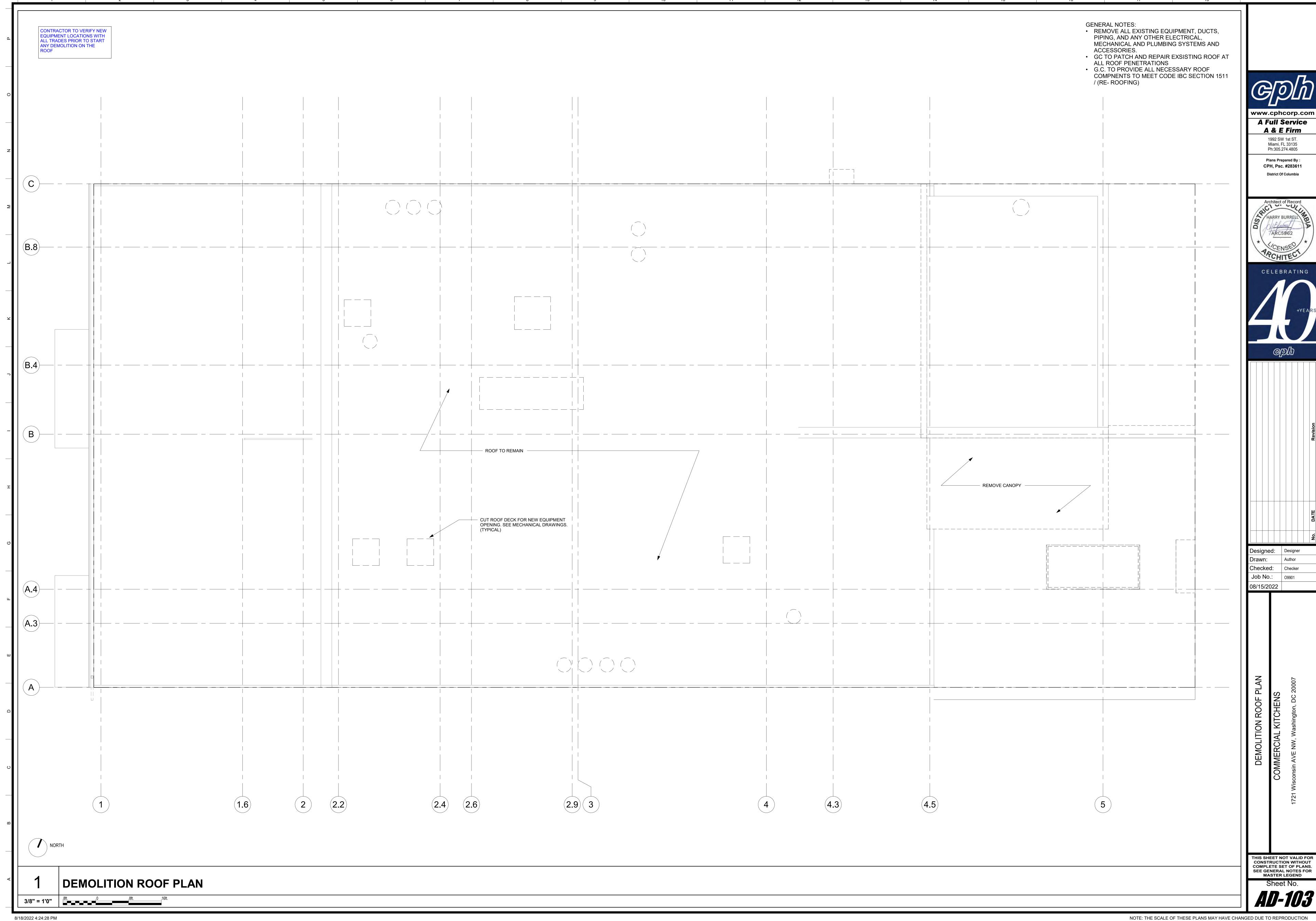
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Architect of Record

HARRY BURRELL

ARC5962

CENSE

ACHITECT



Designed: Designer
Drawn: Author
Checked: Checker

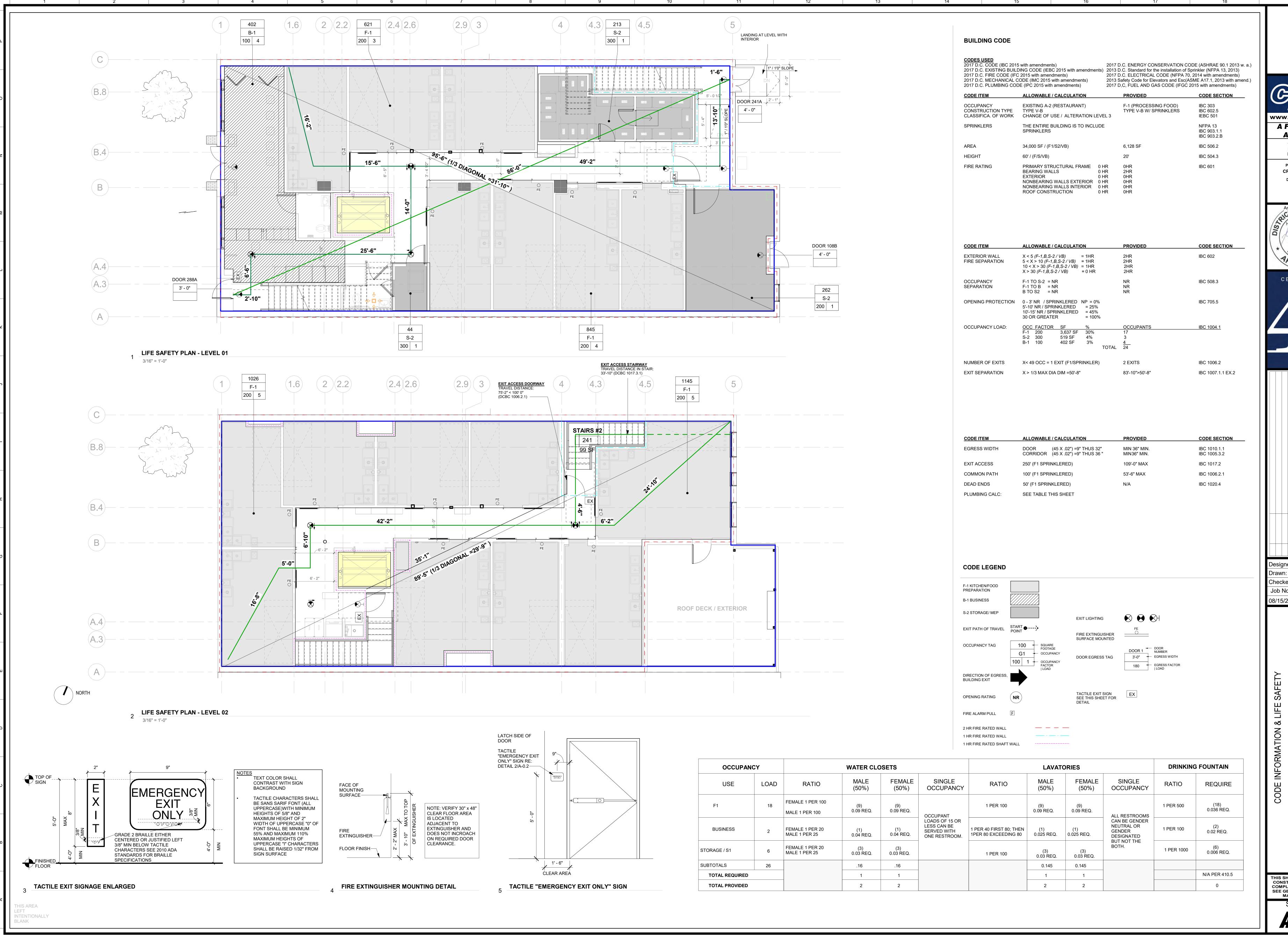
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MERCIAL KITCHENS

AVE NW, Washington, DC 20007

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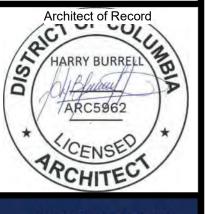
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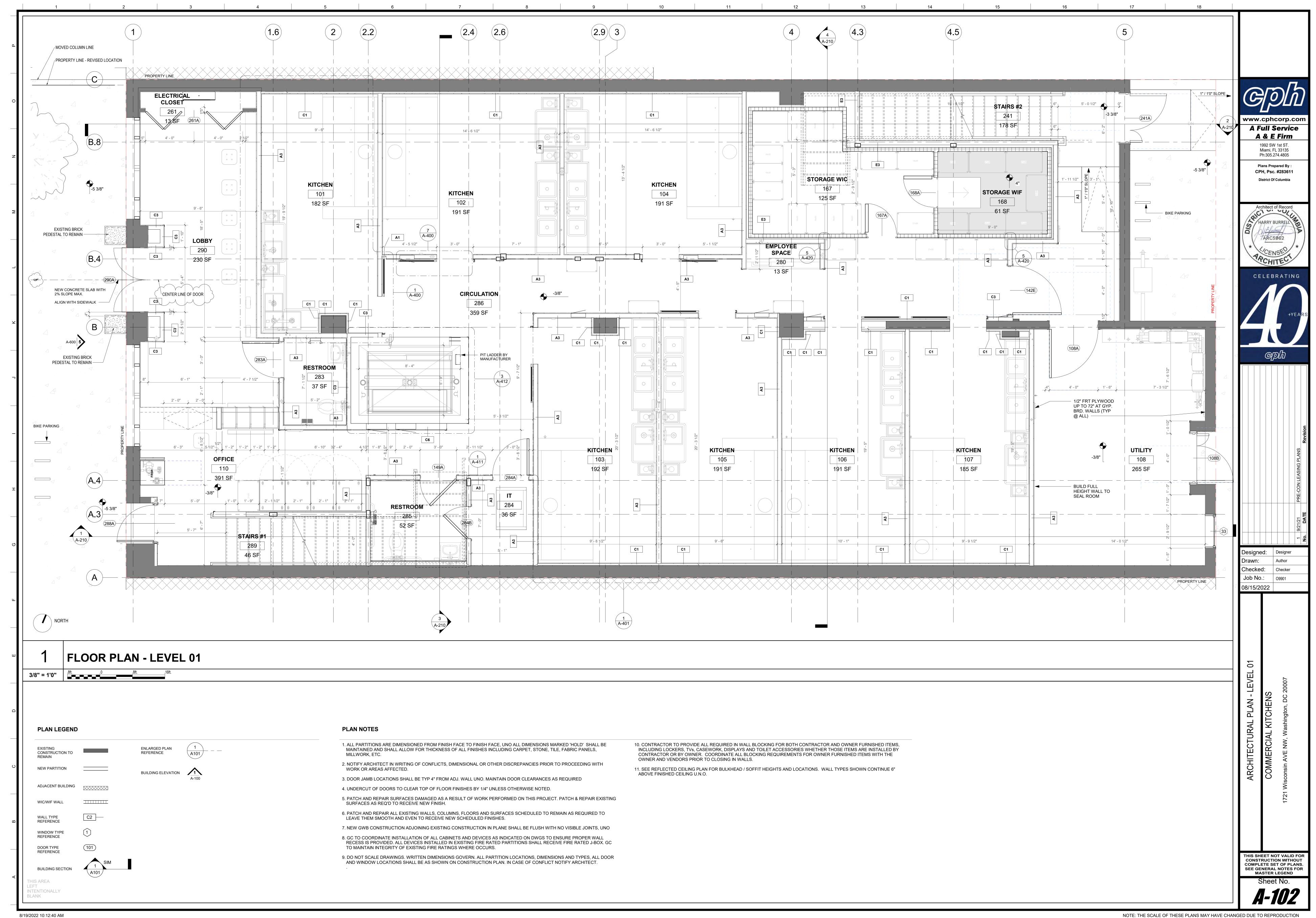


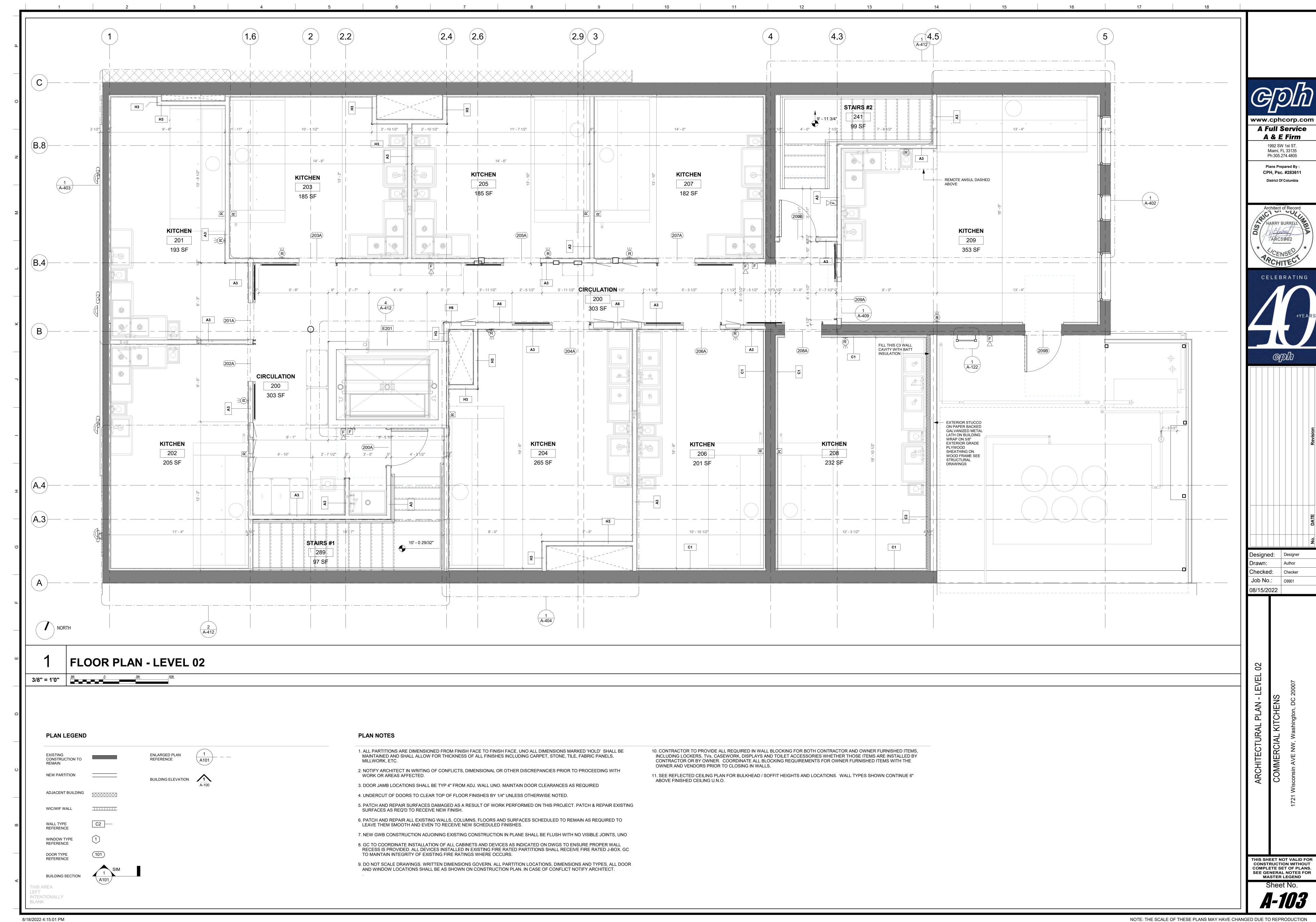


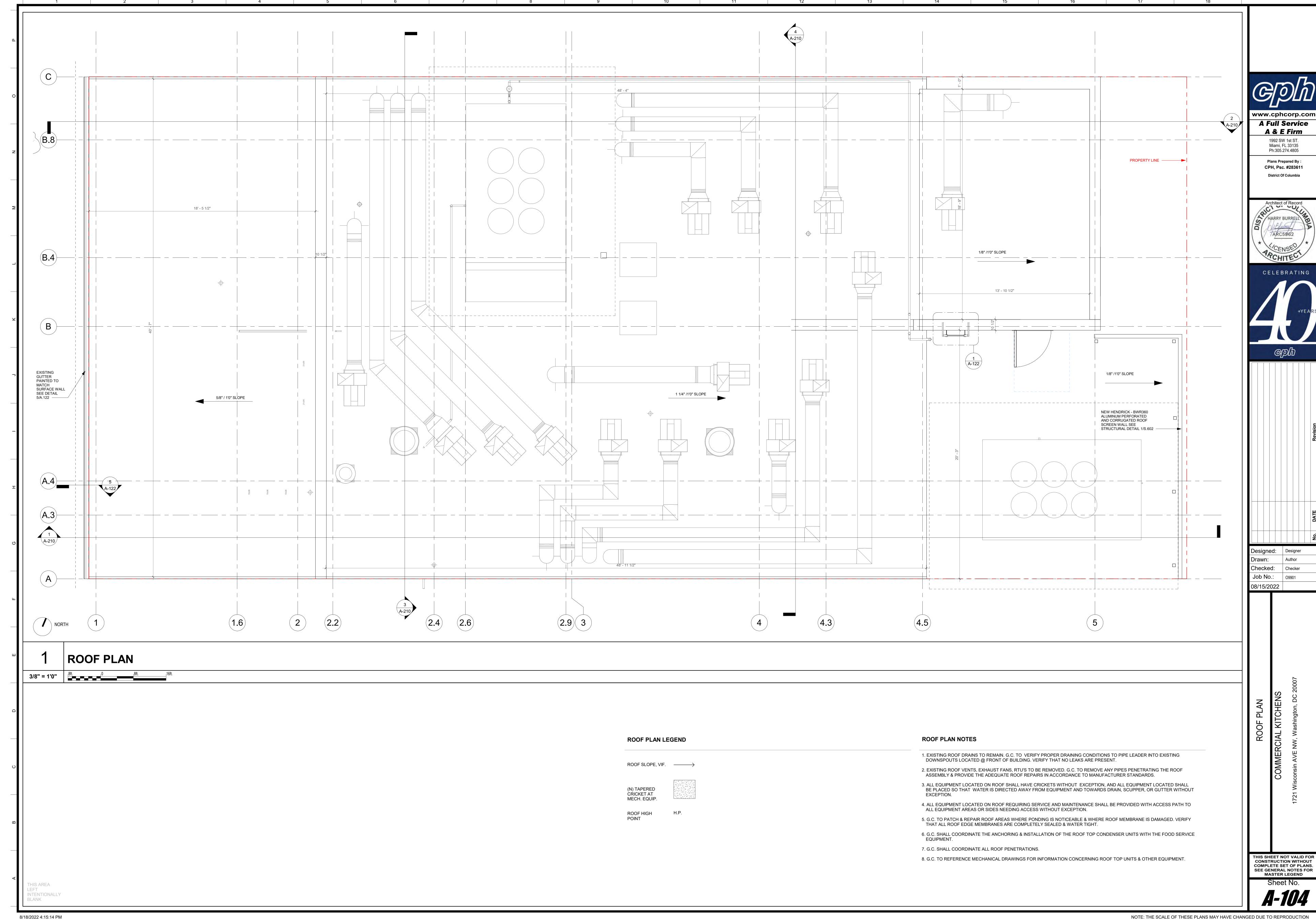
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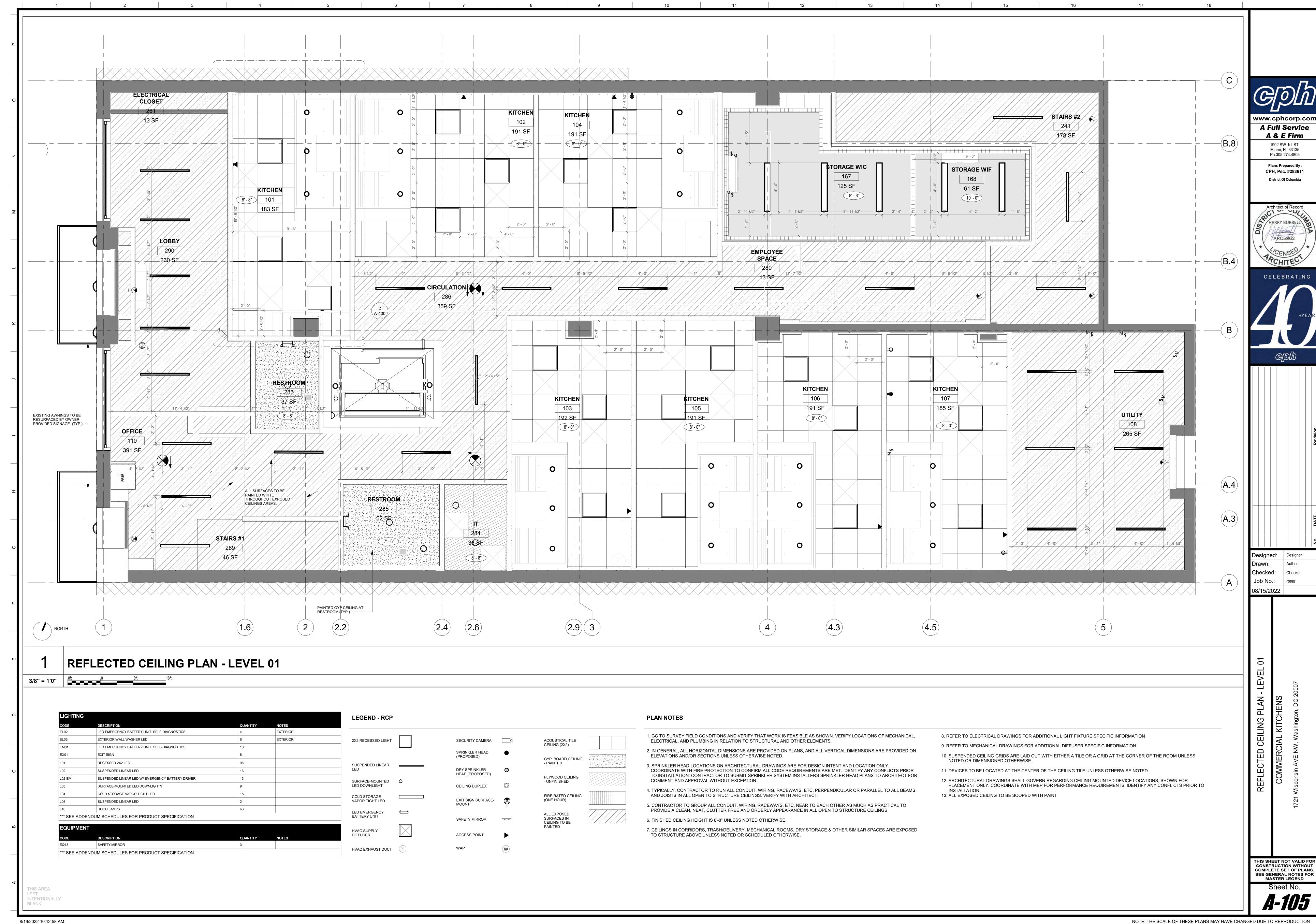
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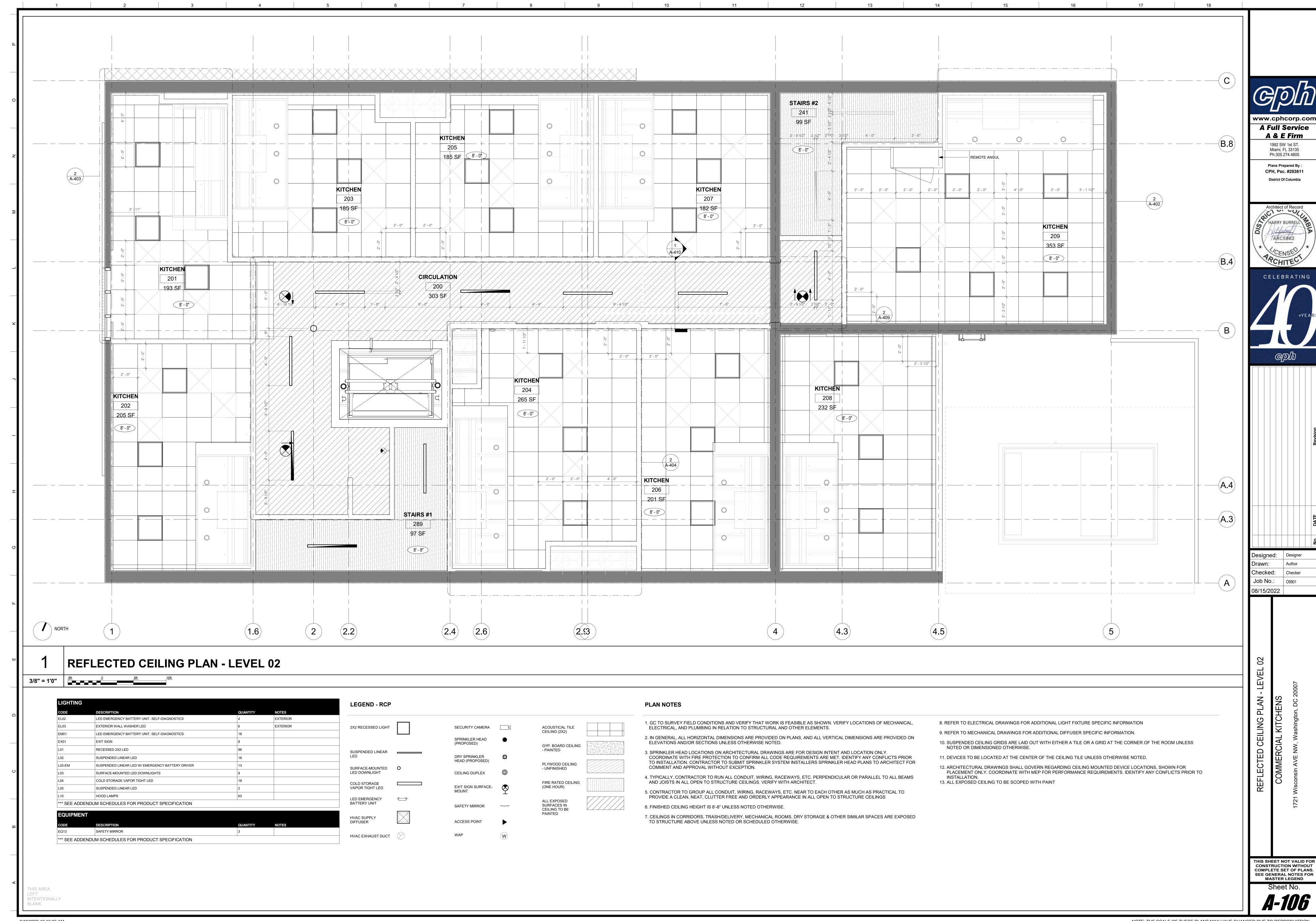
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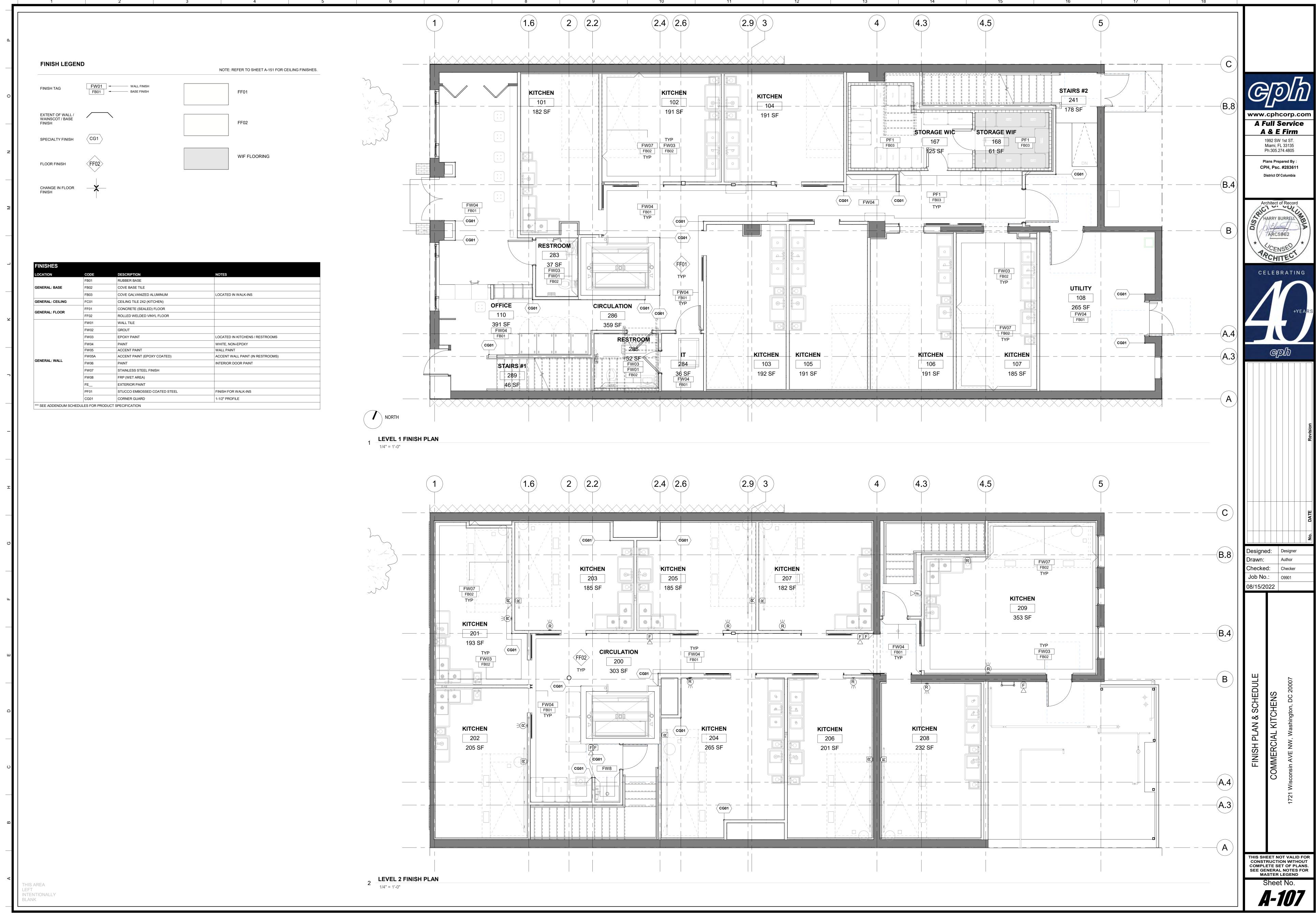


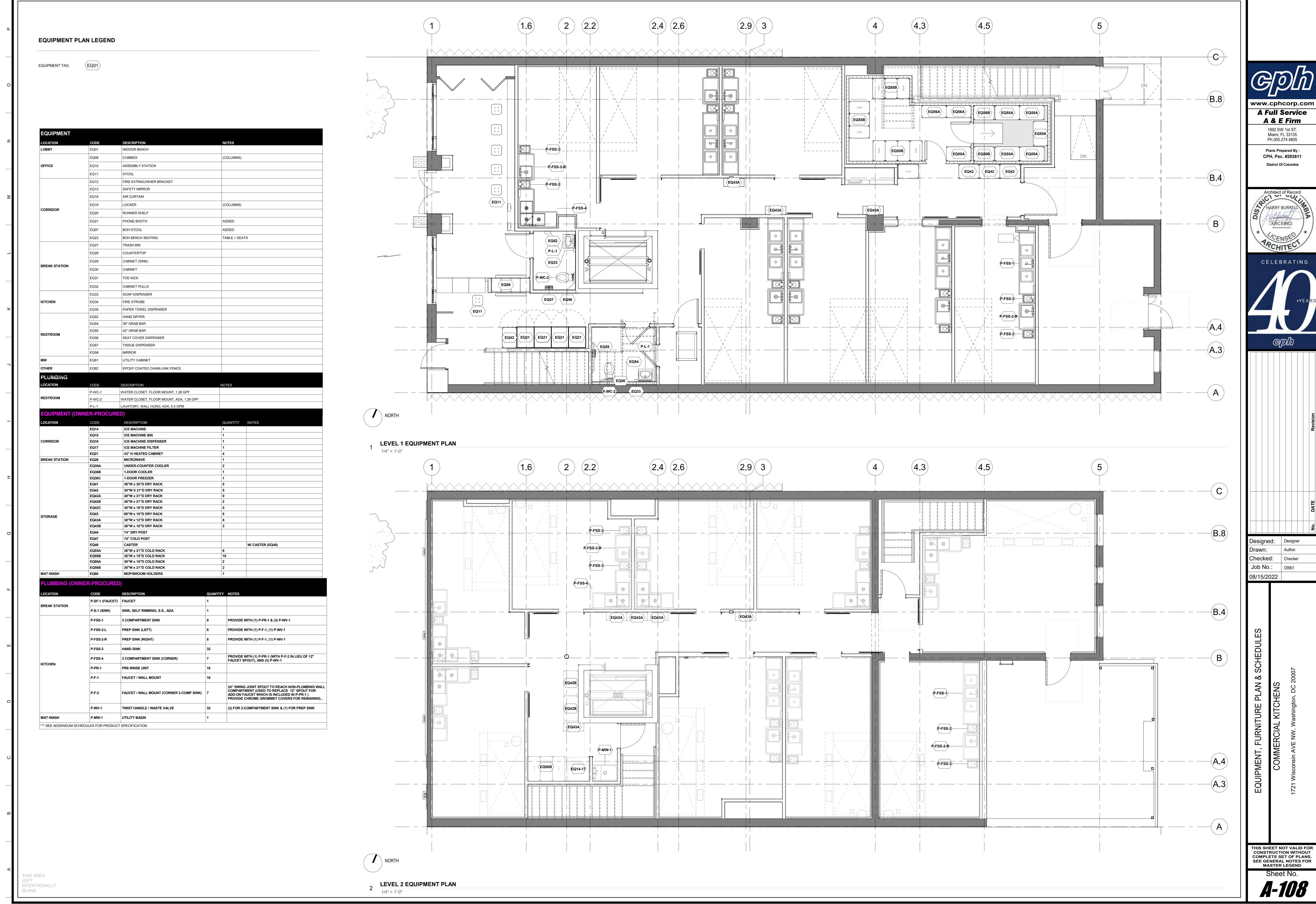




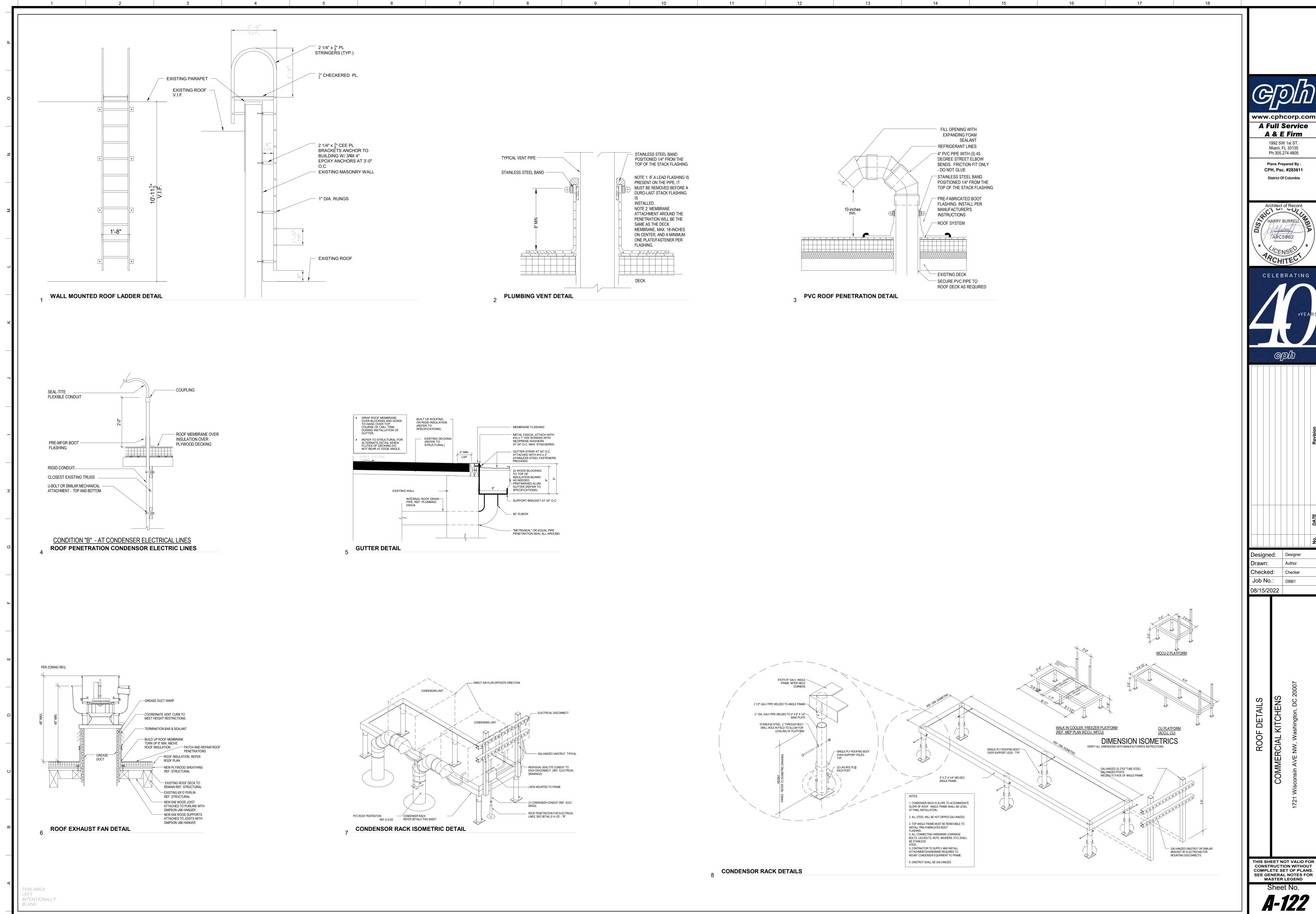








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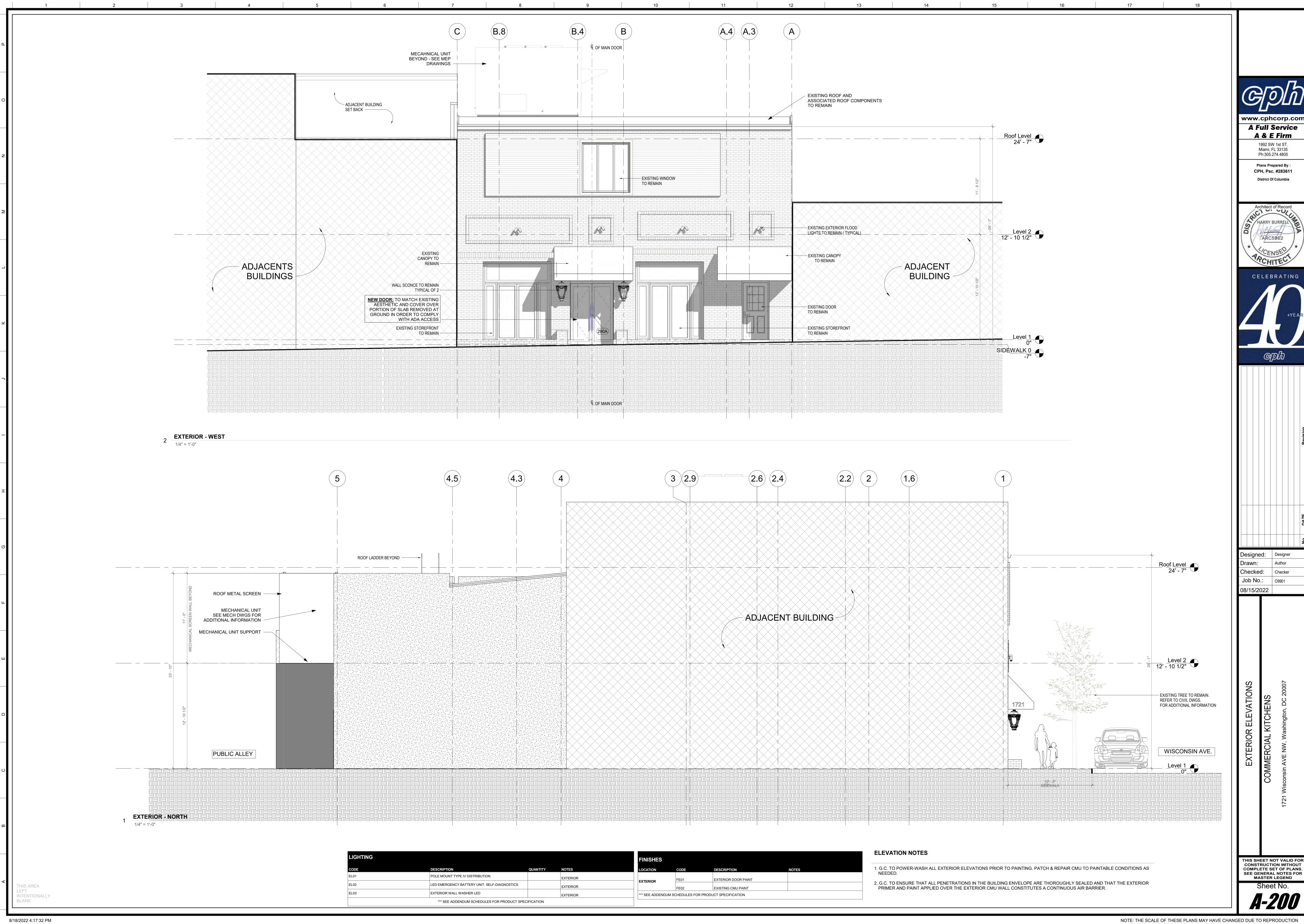
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District Of Columbia

Architect of Record

ARC5962

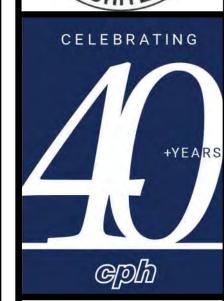
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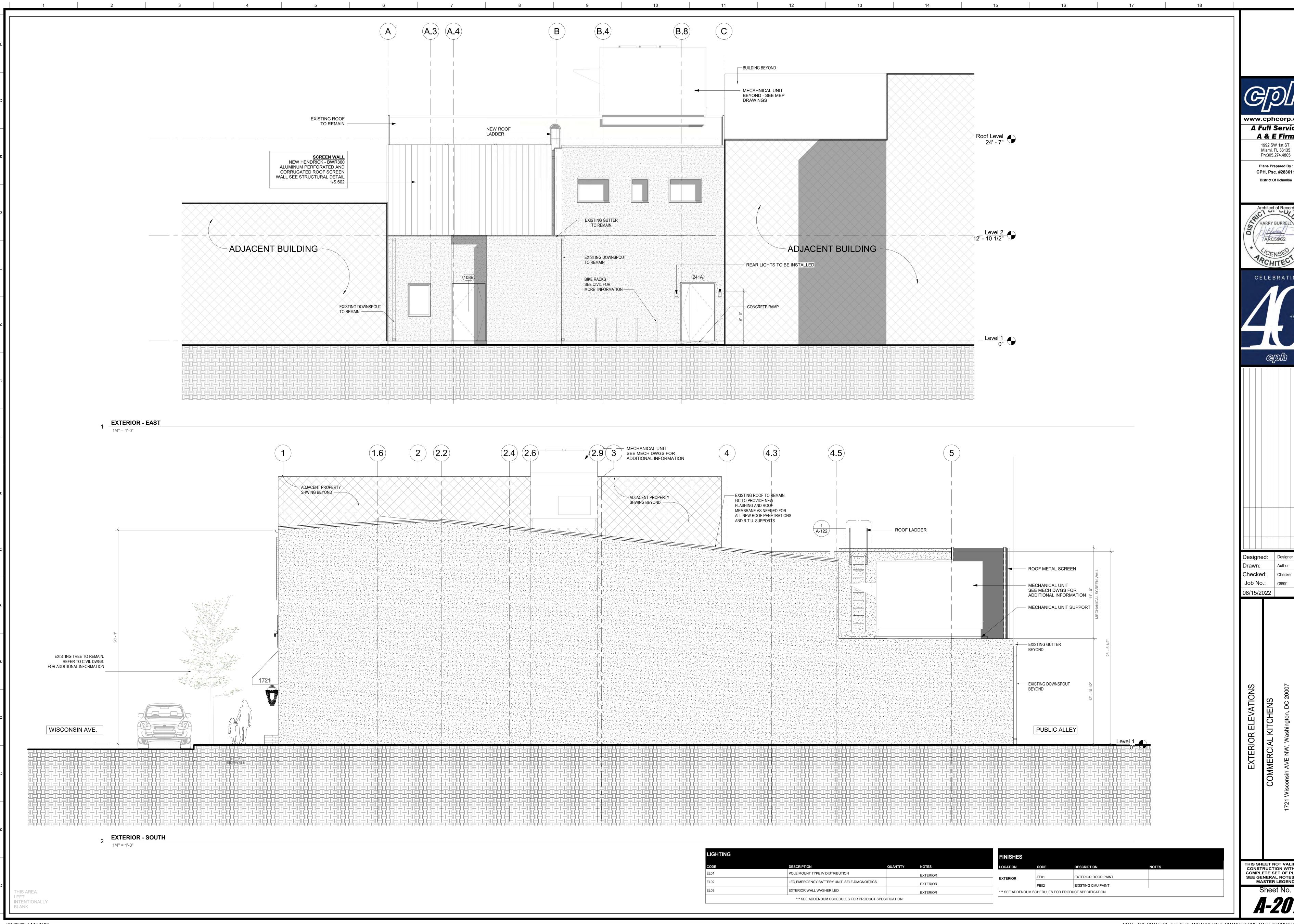
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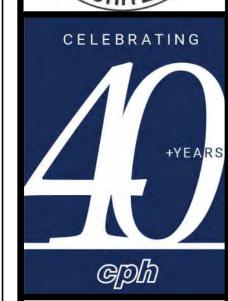
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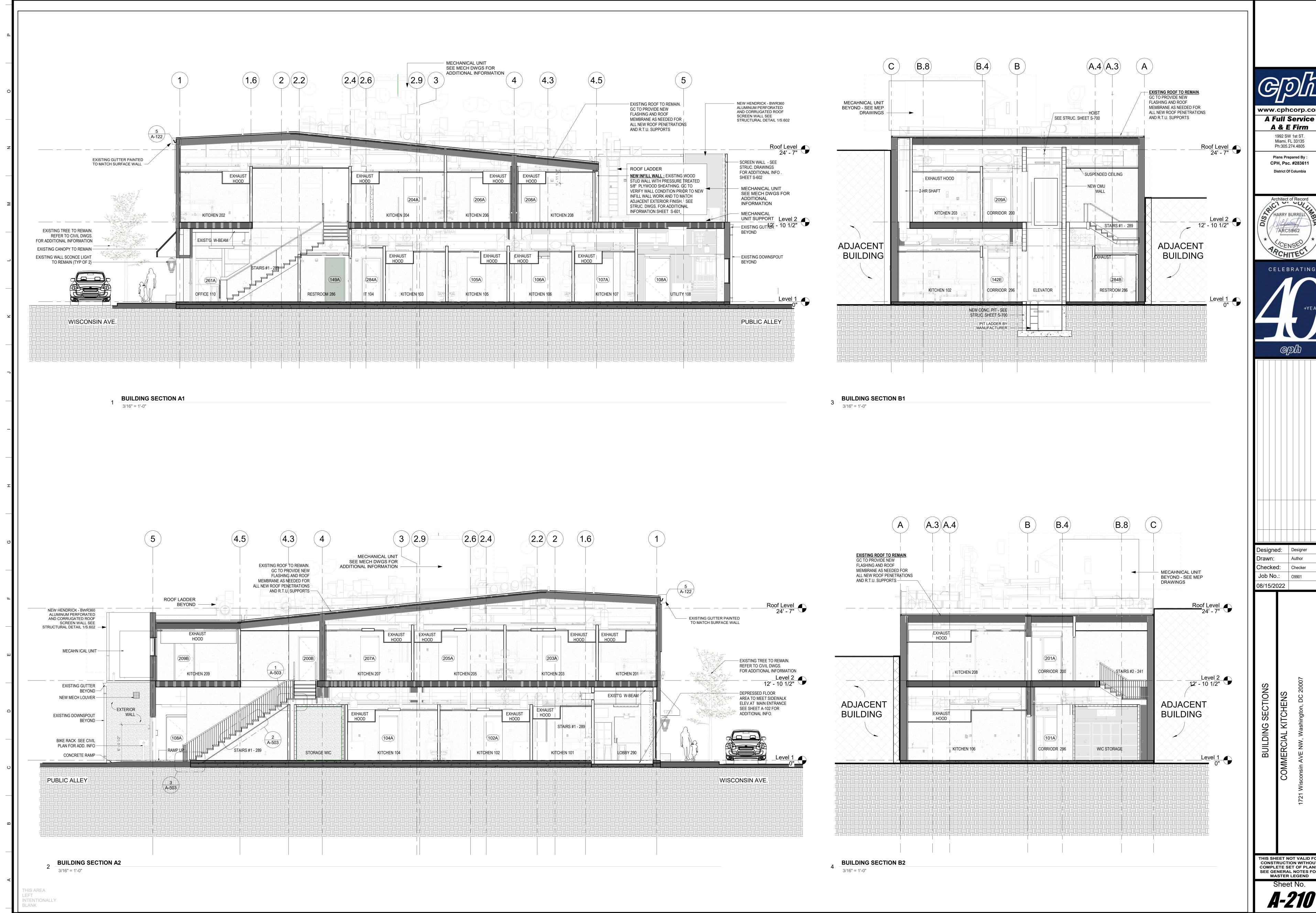
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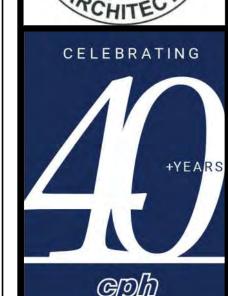
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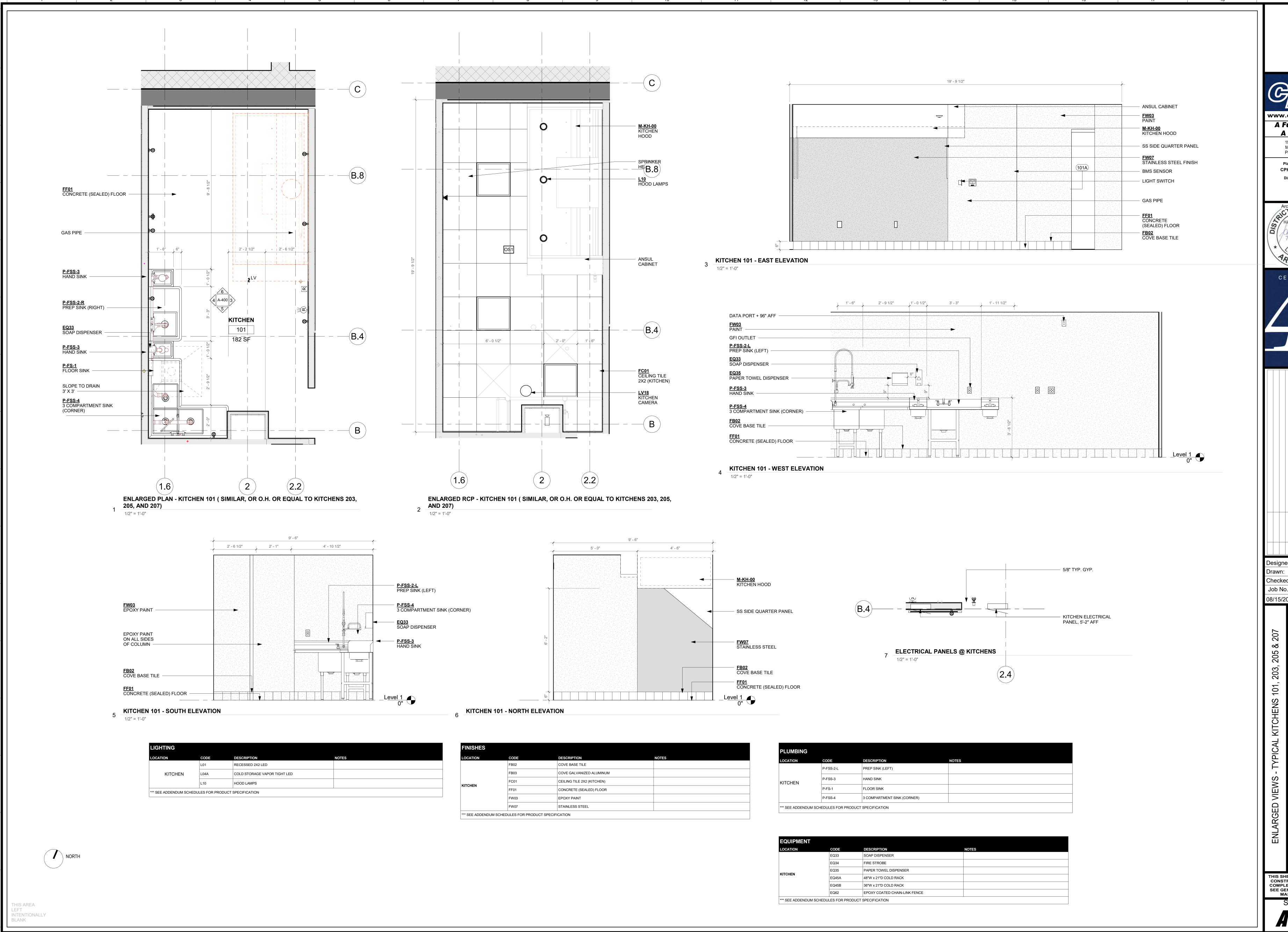


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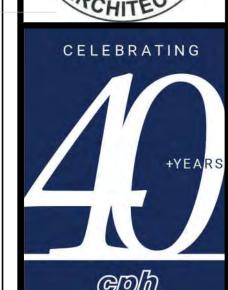


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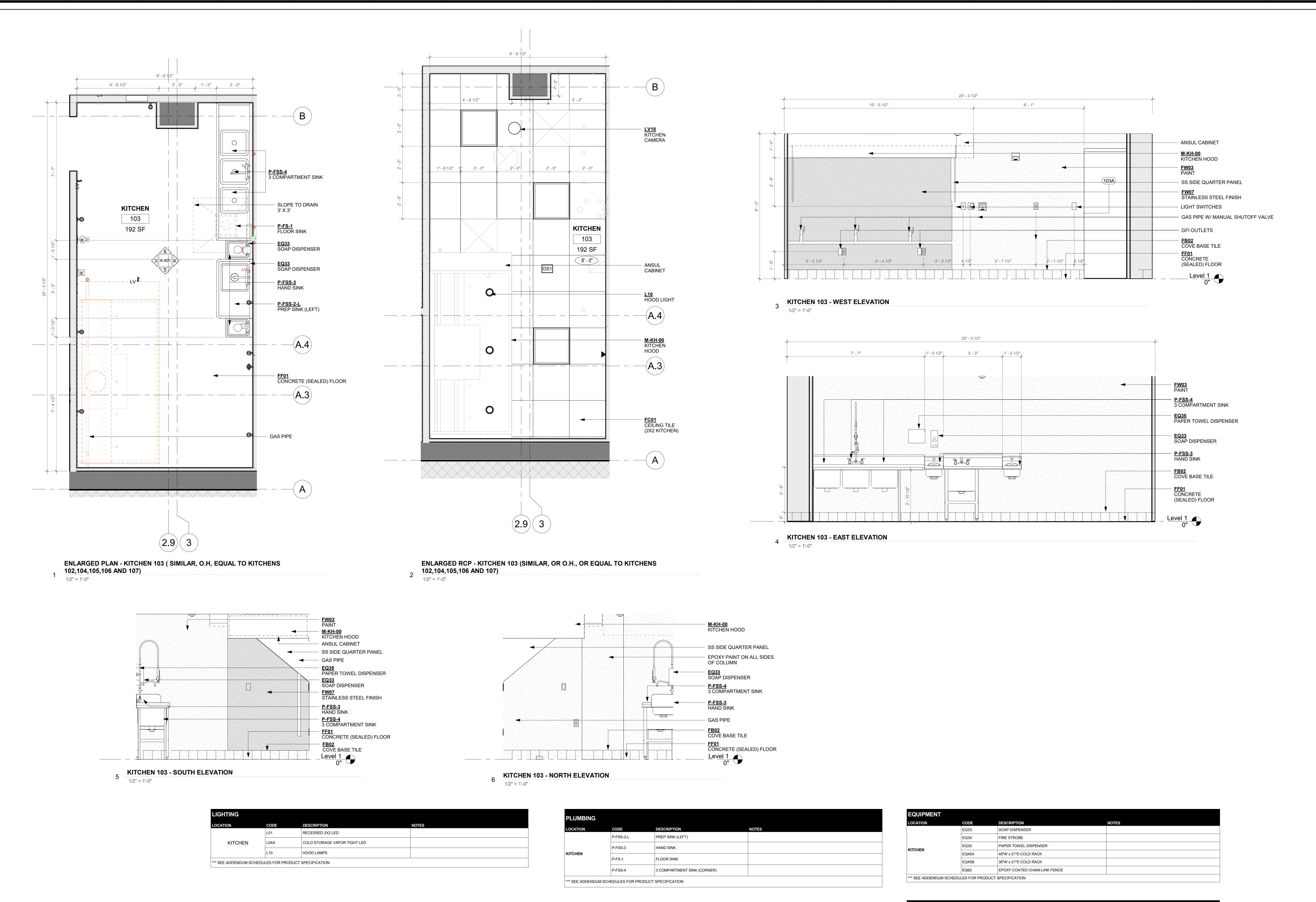
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LOCATION	CODE	DESCRIPTION	NOTES
	FB02	COVE BASE TILE	
	FB03	COVE GALVANIZED ALUMINUM	
KITCHEN	FC01	CEILING TILE 2X2 (KITCHEN)	
KIICHEN	FF01	CONCRETE (SEALED) FLOOR	
	FW03	EPOXY PAINT	
	FW07	STAINLESS STEEL	

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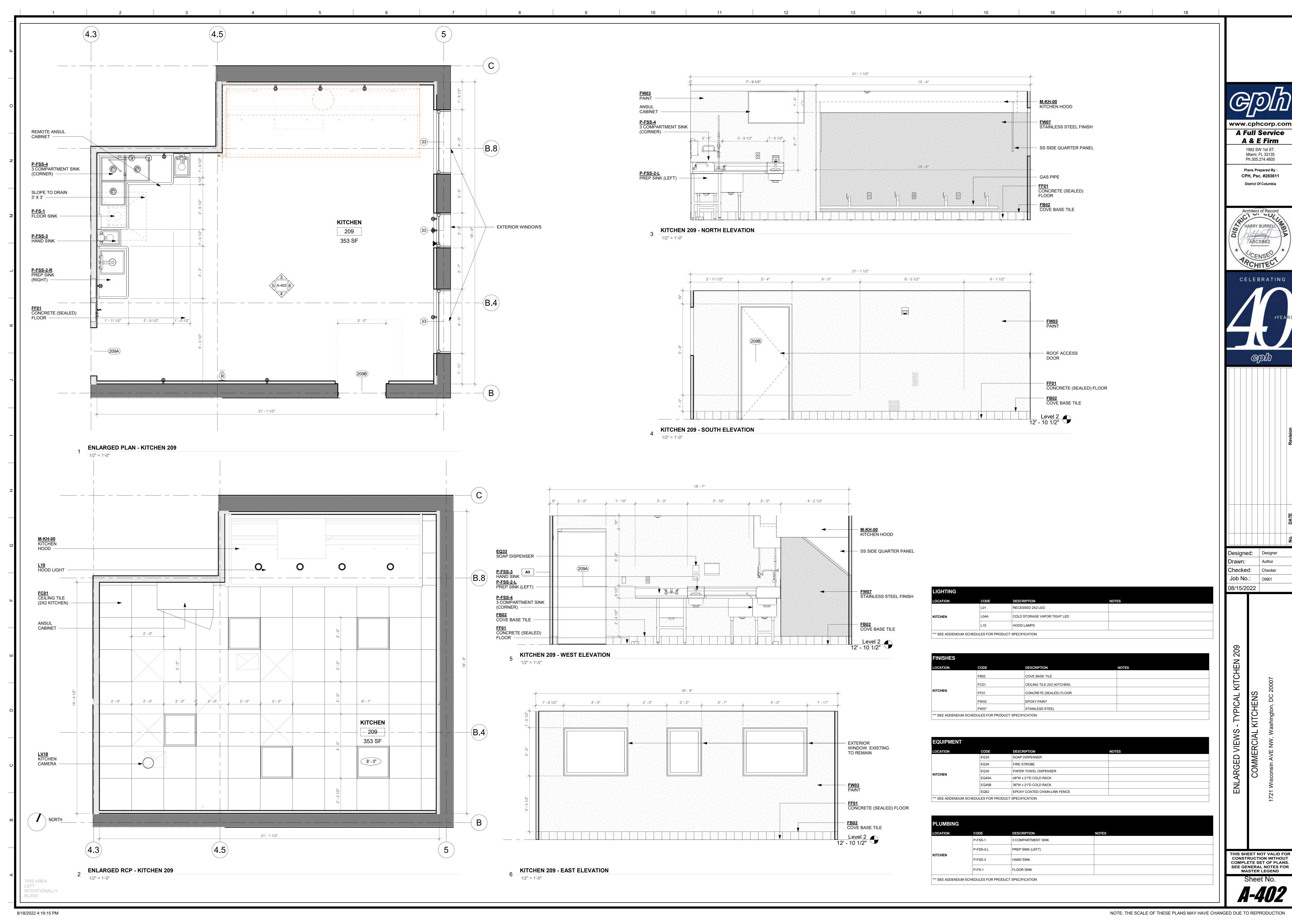
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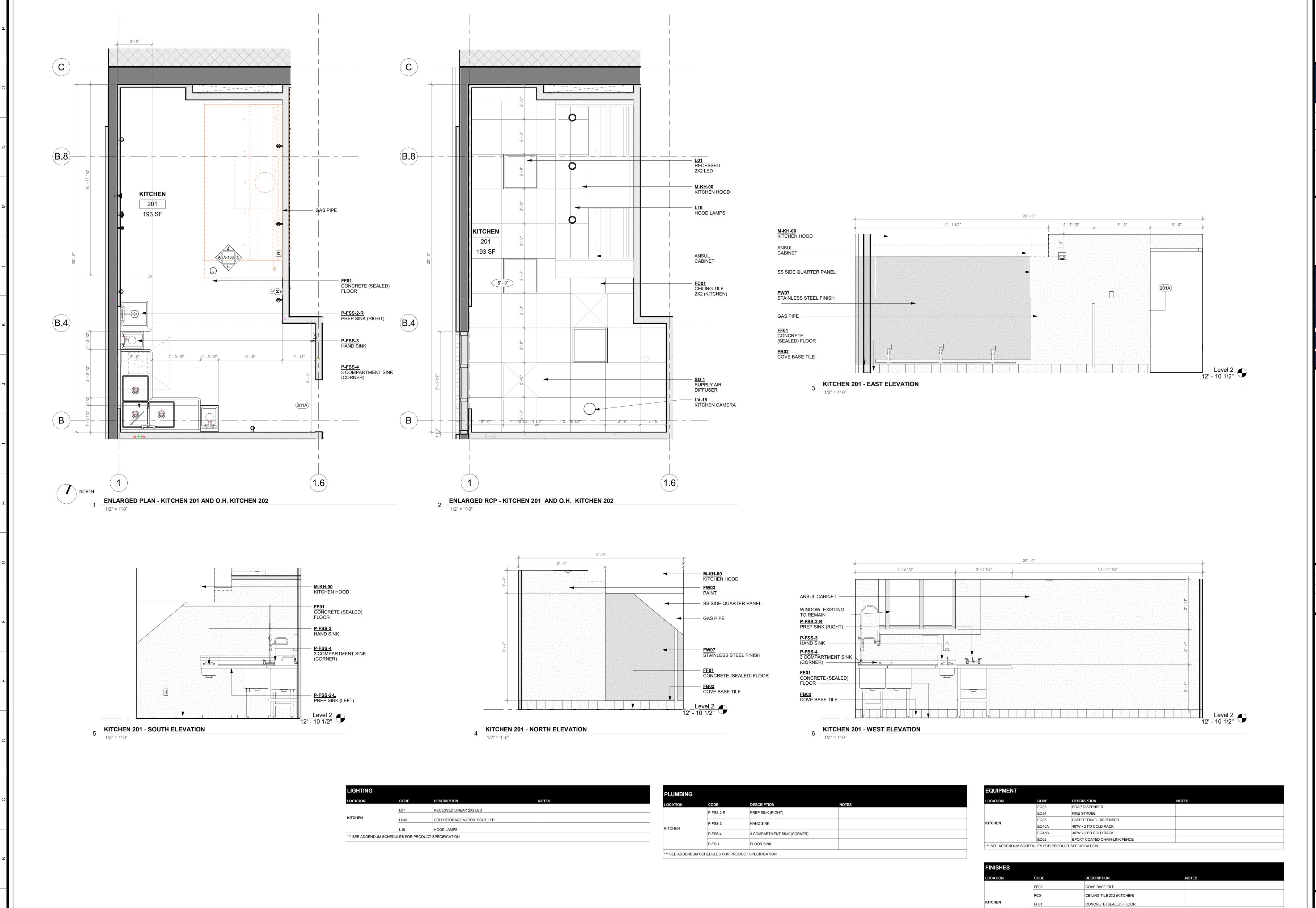
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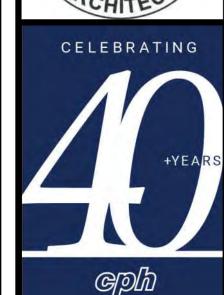


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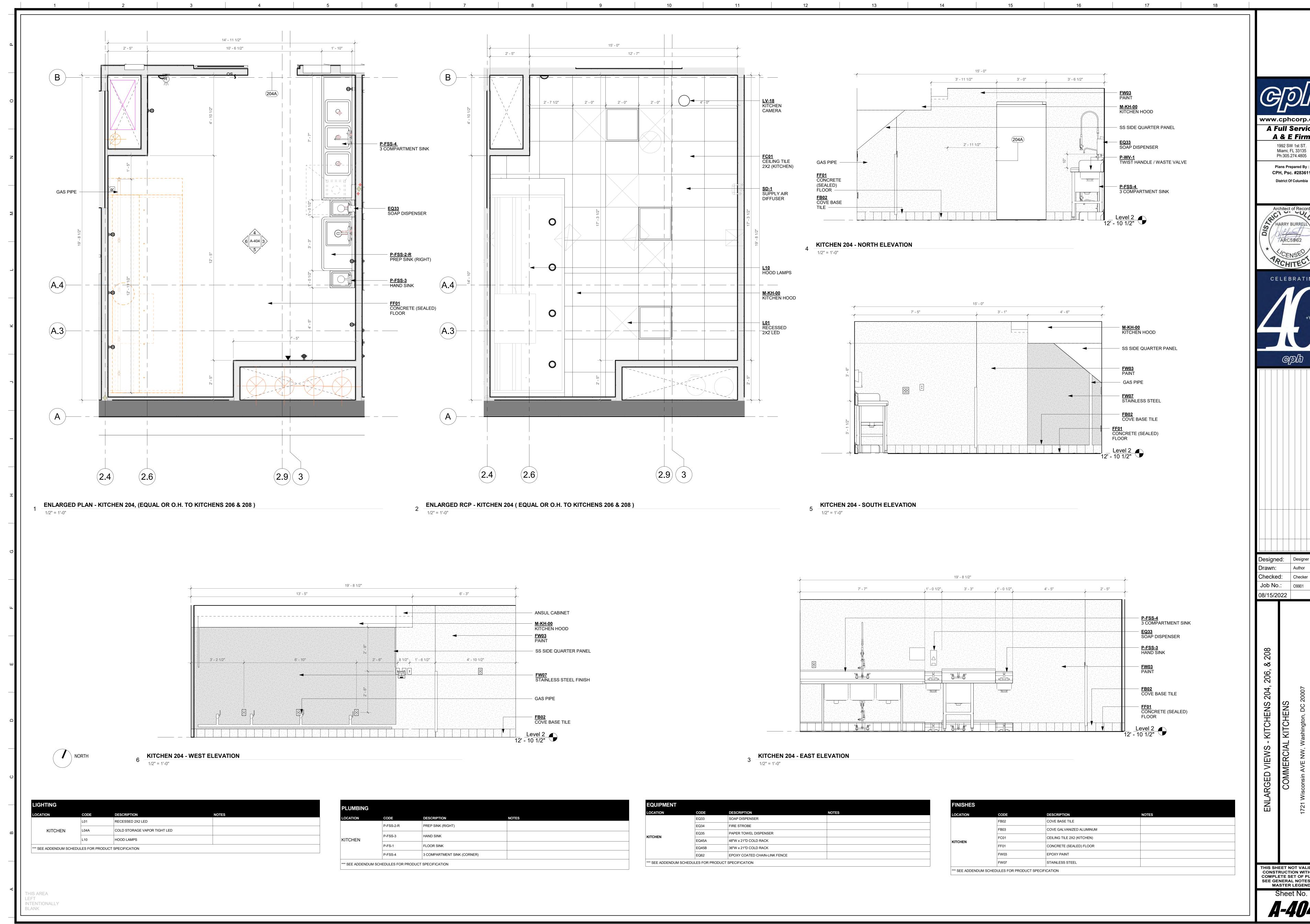
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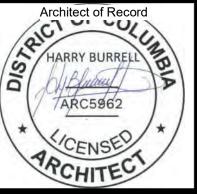
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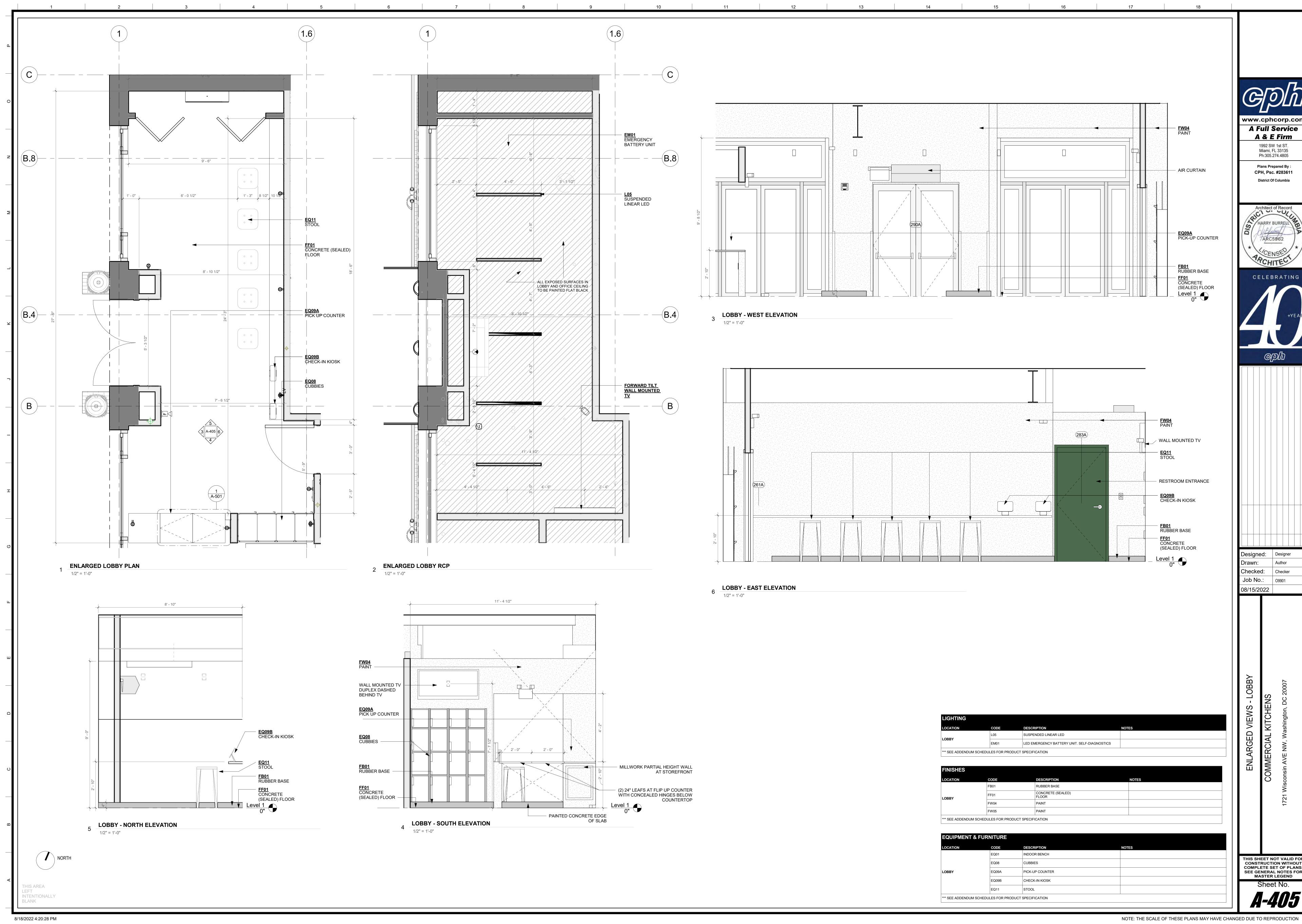
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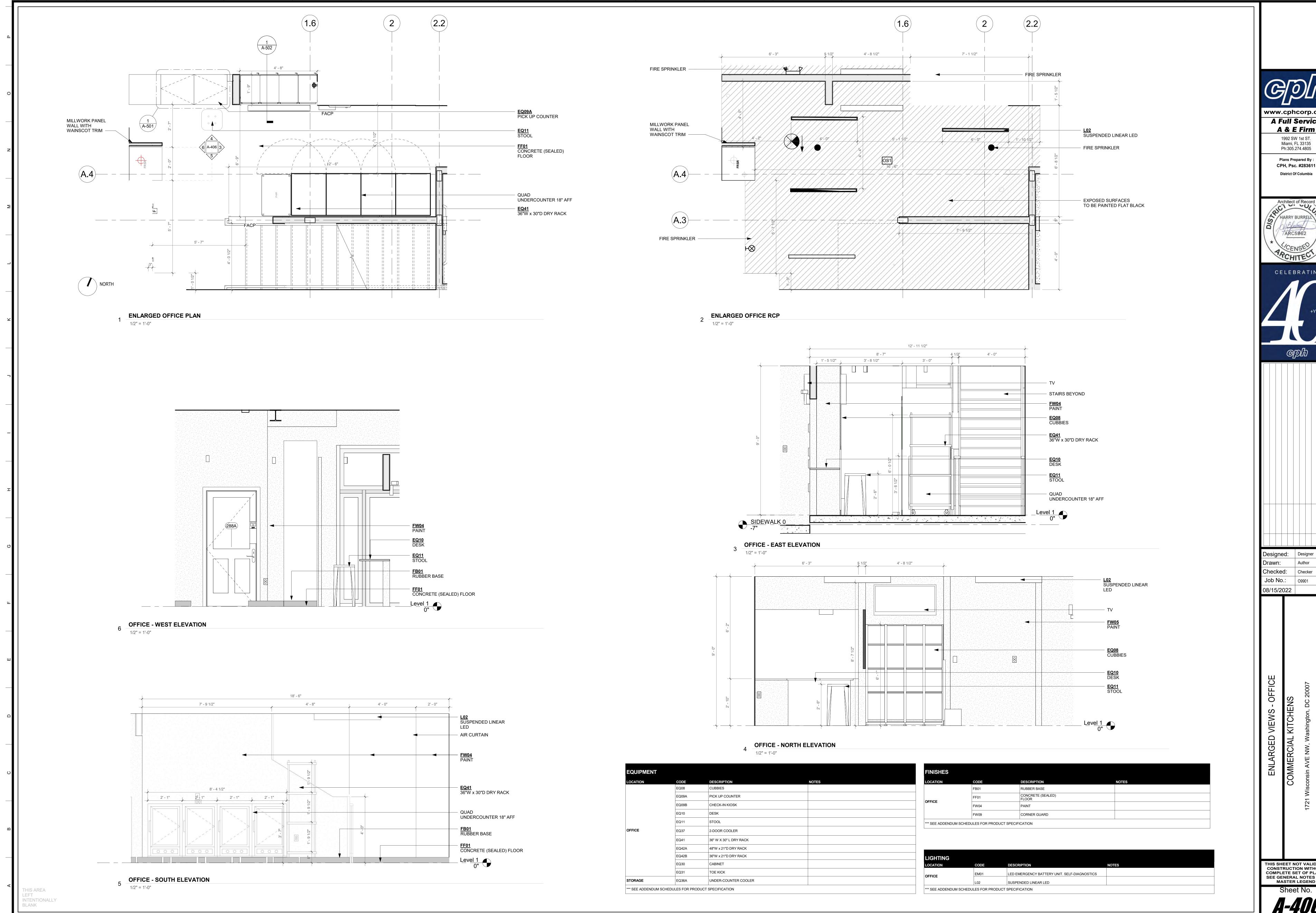
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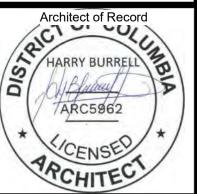


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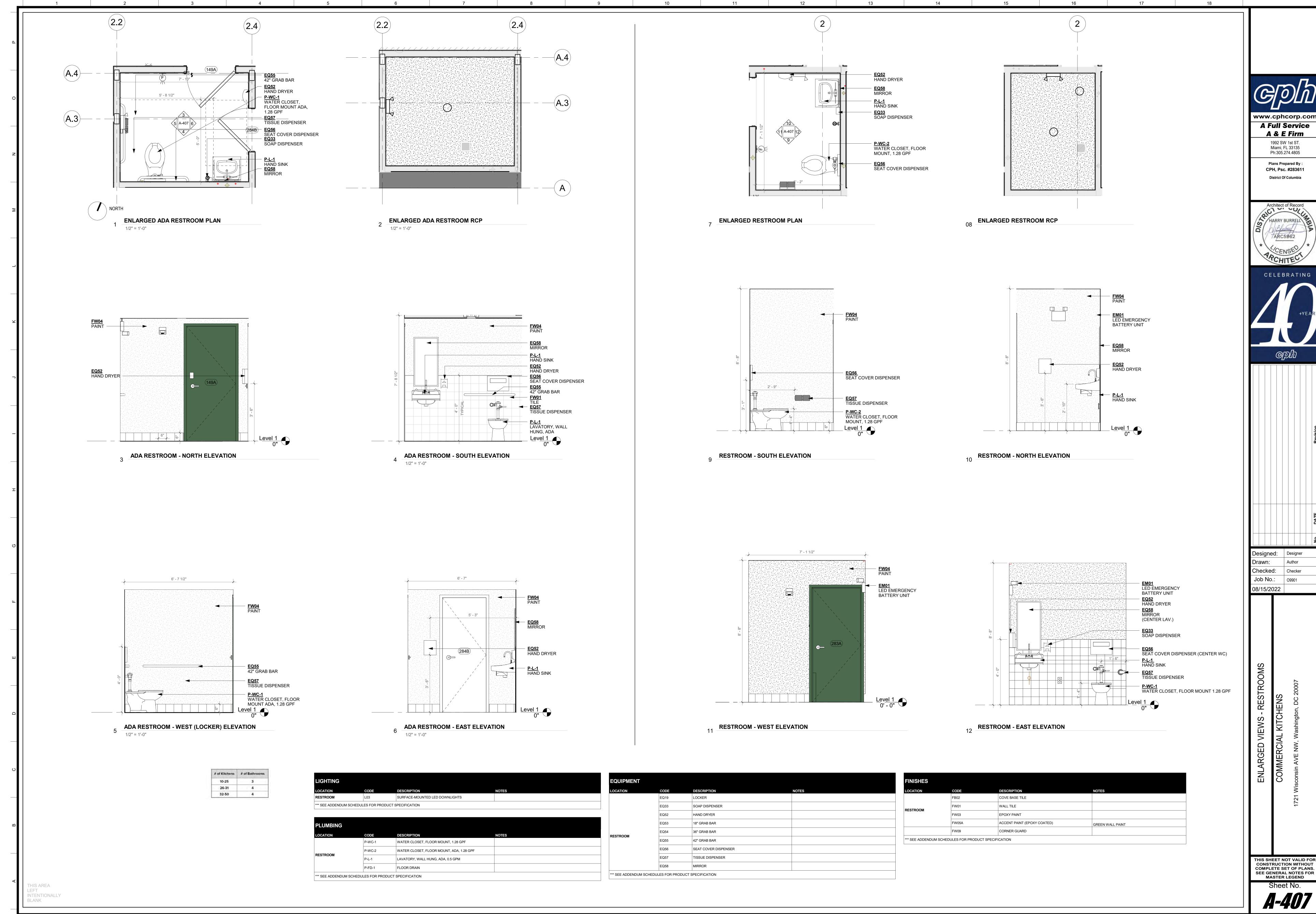
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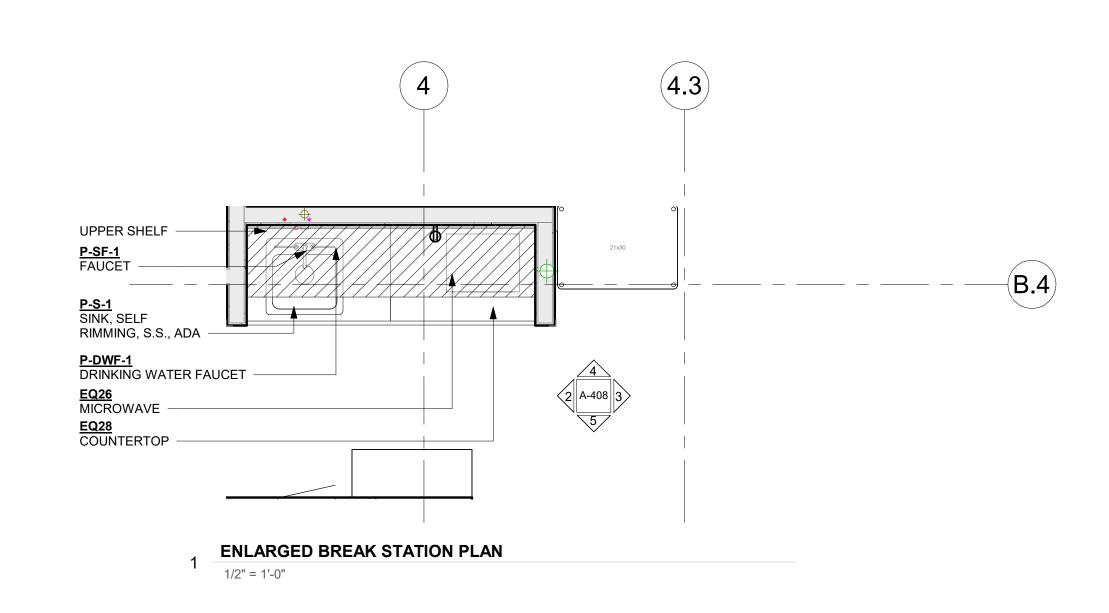
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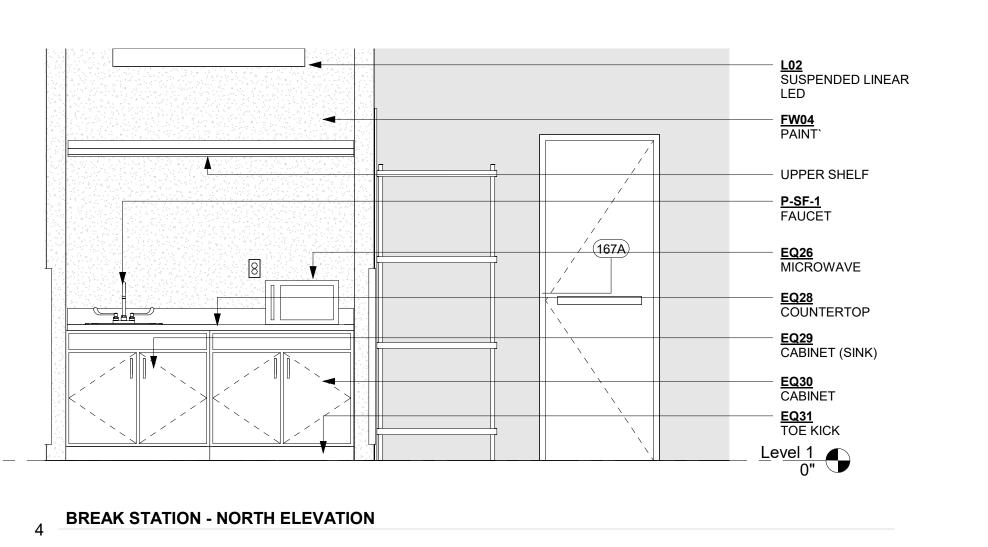
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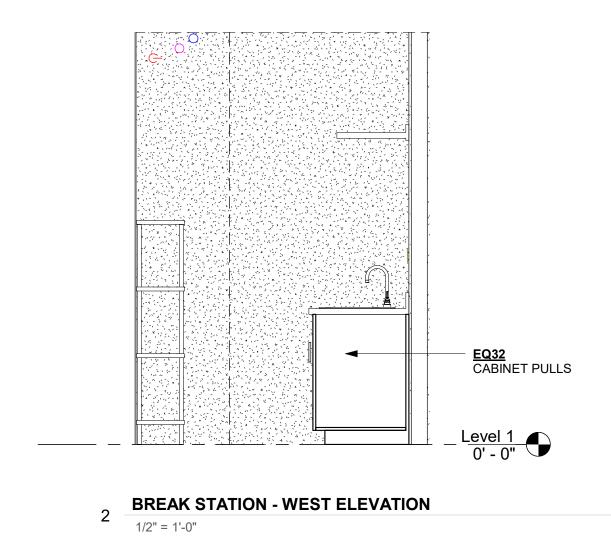


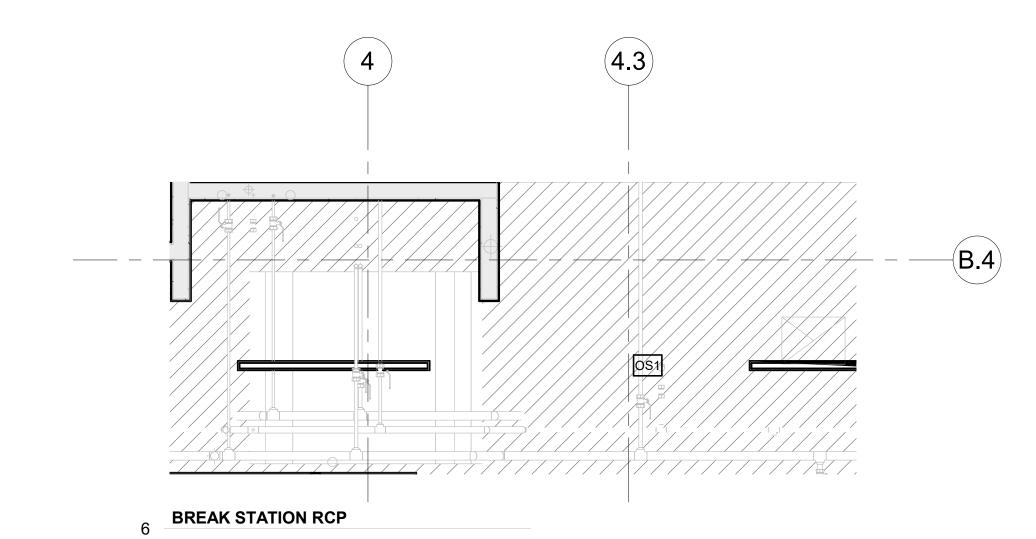
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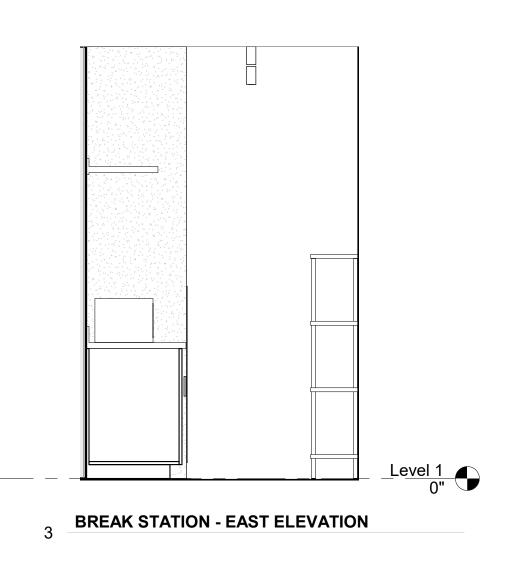












LOCATION	CODE	DESCRIPTION	NOTES
	P-SF-1 (FAUCET)	FAUCET	
	P-S-1 (SINK)	SINK, SELF RIMMING, S.S., ADA	
BREAK STATION	P-DWF-1	DRINKING WATER FAUCET	
	P-WF-1	WATER FILTER	
	P-FS-2	FLOOR SINK, ICE MACHINE	

LOCATION	CODE	DESCRIPTION	NOTES
	EQ26	MICROWAVE	
	EQ28	COUNTERTOP	
BREAK STATION	EQ29	CABINET - SINK	
	EQ30	CABINET	
	EQ31	TOE KICK	

FINISHES				
LOCATION	CODE	DESCRIPTION	NOTES	
	FW04	PAINT		
BREAK STATION	FW09	CORNER GUARD		

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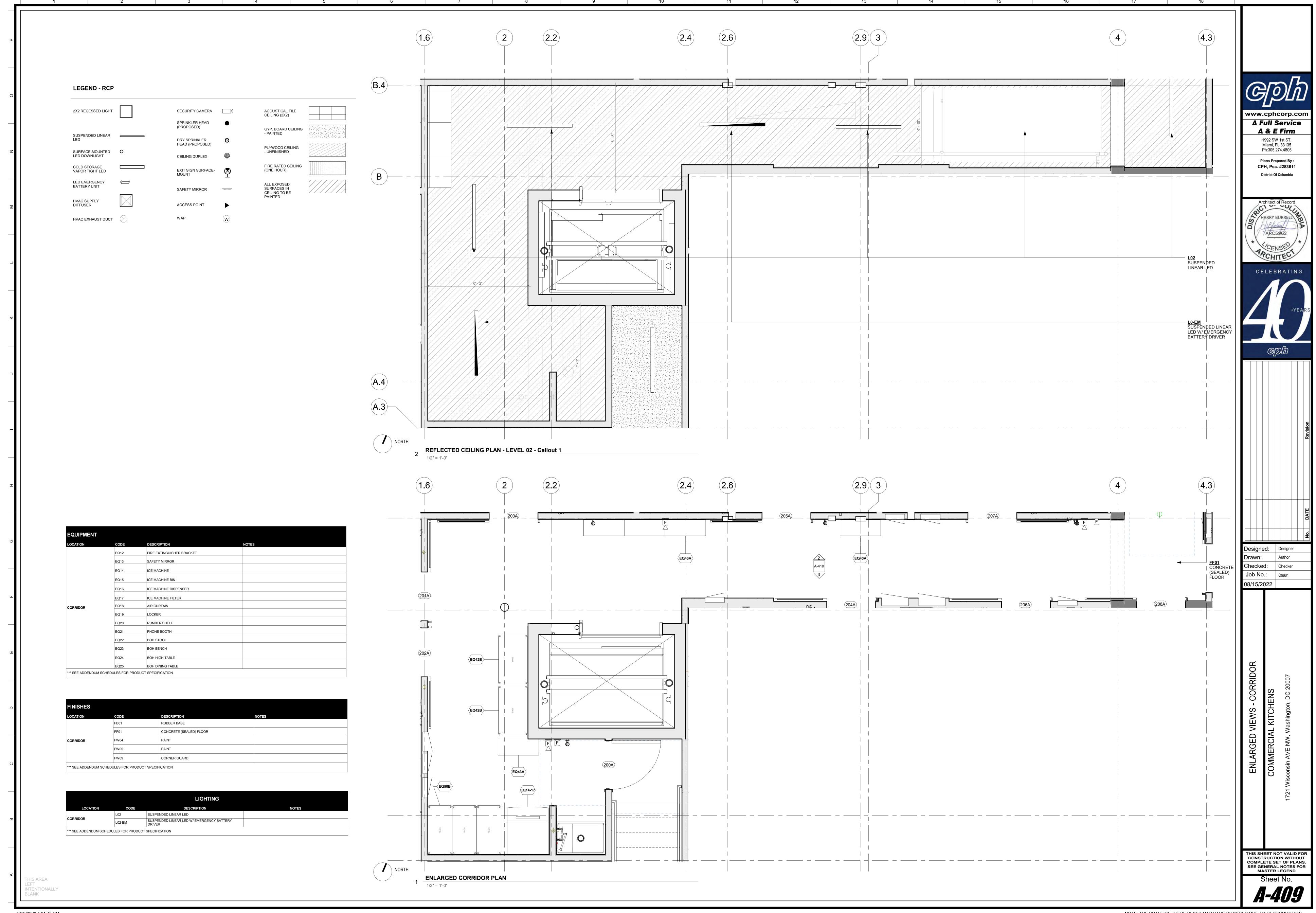
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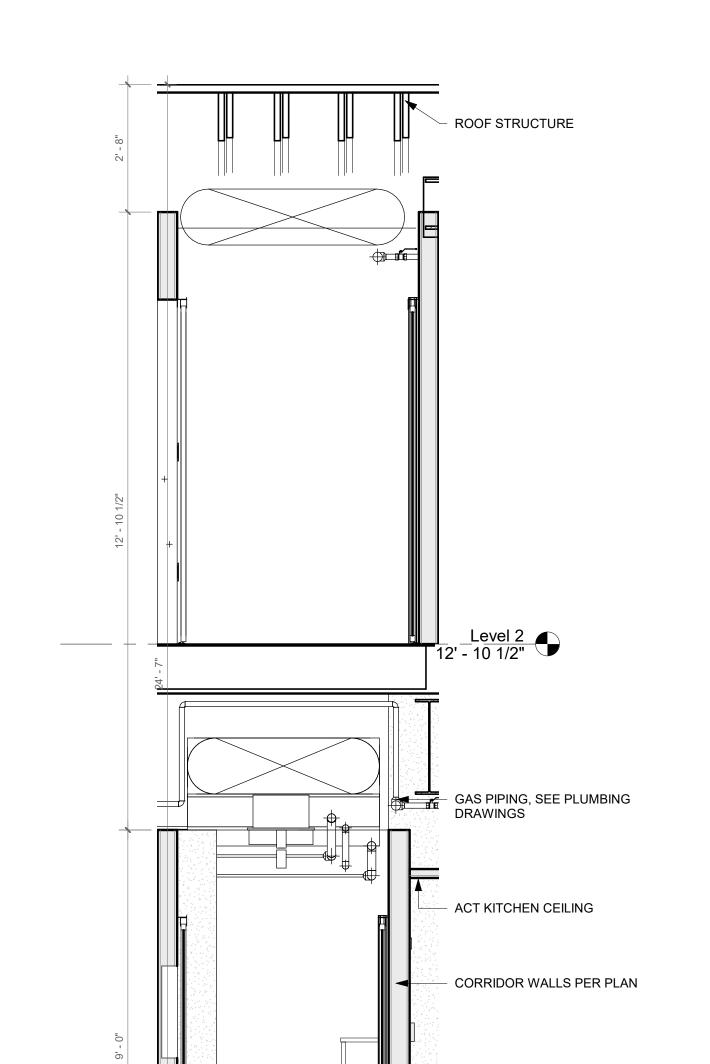
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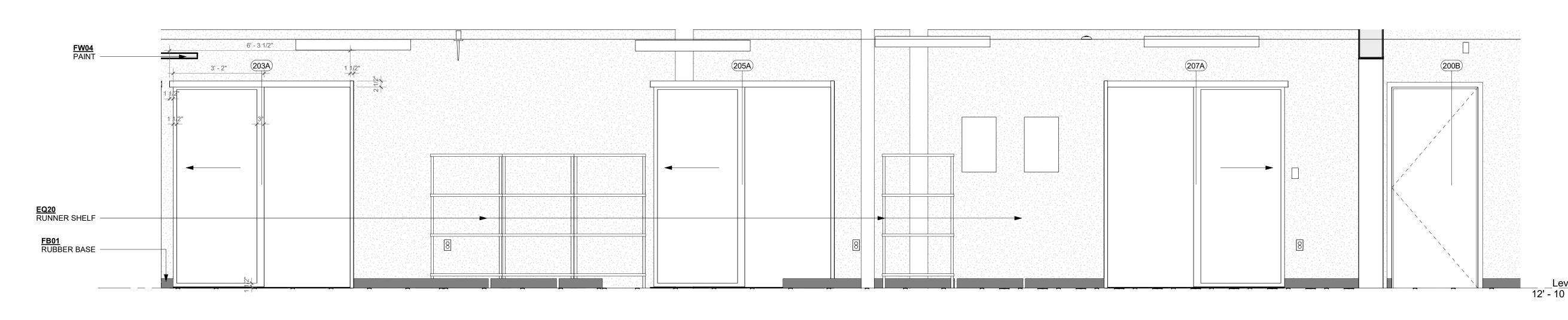
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2 CORRIDOR - NORTH INTERIOR ELEVATION

1/2" = 1'-0"

CORRIDOR - SOUTH INTERIOR ELEVATION



LOCATION	CODE	DESCRIPTION	NOTES
	L02	SUSPENDED LINEAR LED	
CORRIDOR	L02-EM	SUSPENDED LINEAR LED W/ EMERGENCY BATTERY DRIVER	

LOCATION	CODE	DESCRIPTION	NOTES
	FB01	RUBBER BASE	
	FF01	CONCRETE (SEALED) FLOOR	
CORRIDOR	FW04	PAINT	
	FW05	PAINT	
	FW09	CORNER GUARD	

LOCATION	CODE	DESCRIPTION	NOTES
	EQ12	FIRE EXTINGUISHER BRACKET	
	EQ13	SAFETY MIRROR	
	EQ14	ICE MACHINE	
	EQ15	ICE MACHINE BIN	
	EQ16	ICE MACHINE DISPENSER	
	EQ17	ICE MACHINE FILTER	
CORRIDOR	EQ18	AIR CURTAIN	
	EQ19	LOCKER	
	EQ20	RUNNER SHELF	
	EQ21	PHONE BOOTH	
	EQ22	BOH STOOL	
	EQ23	BOH BENCH	
	EQ24	BOH HIGH TABLE	
	EQ25	BOH DINING TABLE	
*** SEE ADDENDUM SCH	EQ25	BOH DINING TABLE	

EQUIPMENT

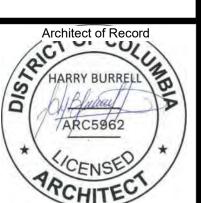
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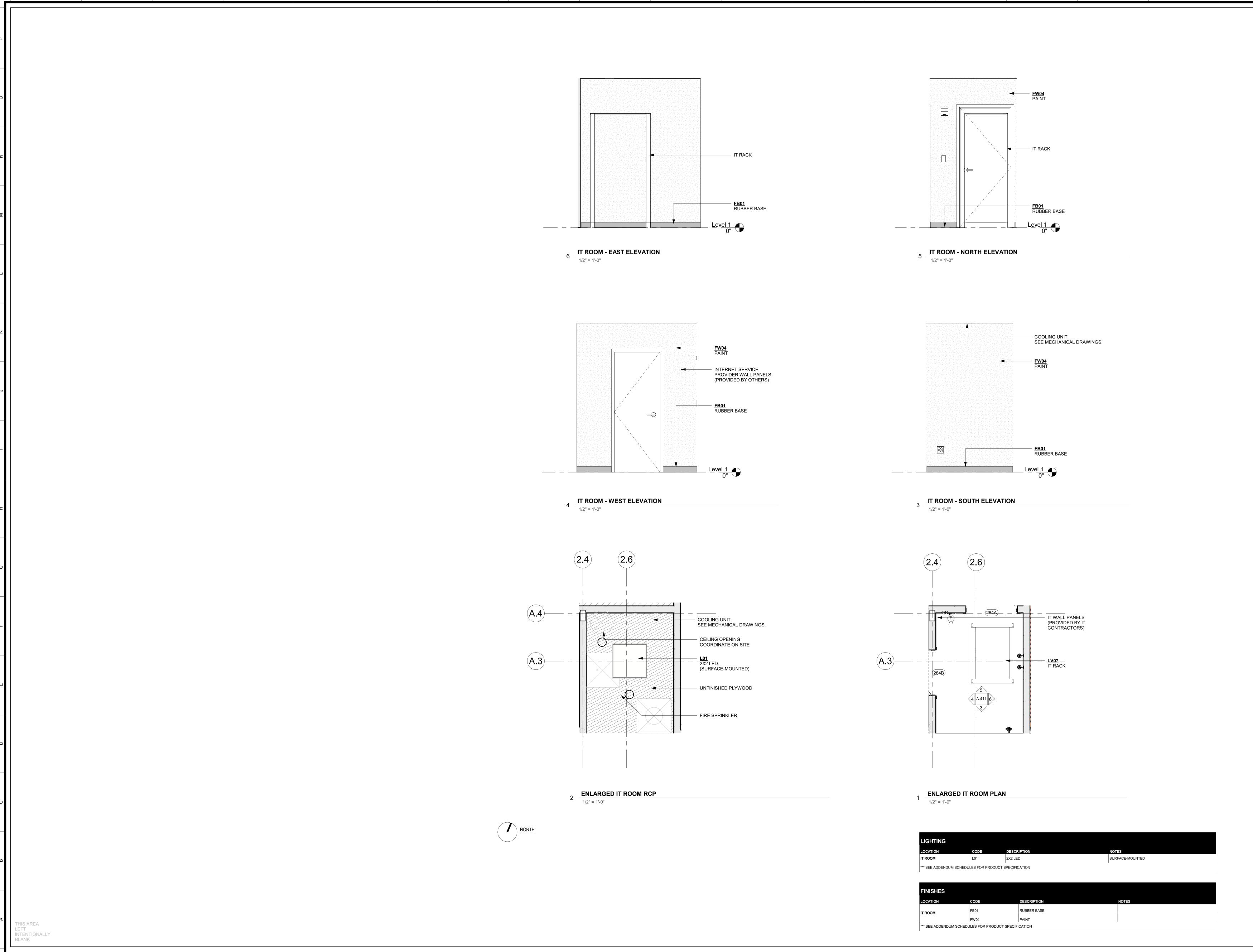
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ENLARGED VIEWS - CORRIDOR COMMERCIAL KITCHENS

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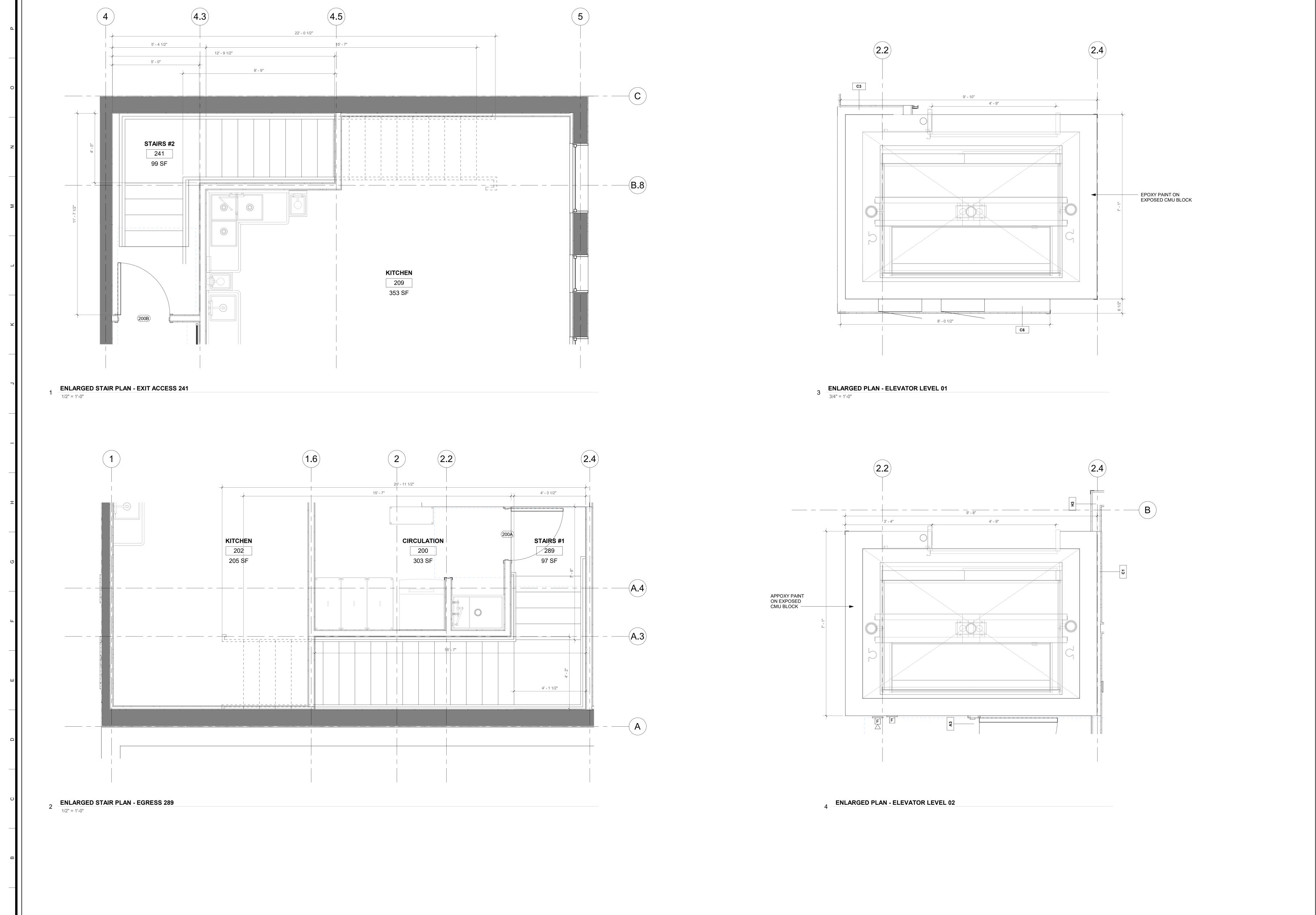
CELEBRATING

+YEARS

No. DATE Revision

Designed: Designer
Drawn: Author
Checked: Checker
Job No.: 09901
08/15/2022

ENLARGED VIEWS - IT ROOM
COMMERCIAL KITCHENS
Wisconsin AVE NW, Washington, DC 20007

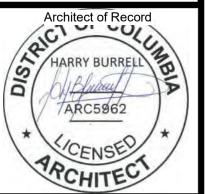


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Plans Prepared By : CPH, Psc. #283611 **District Of Columbia**



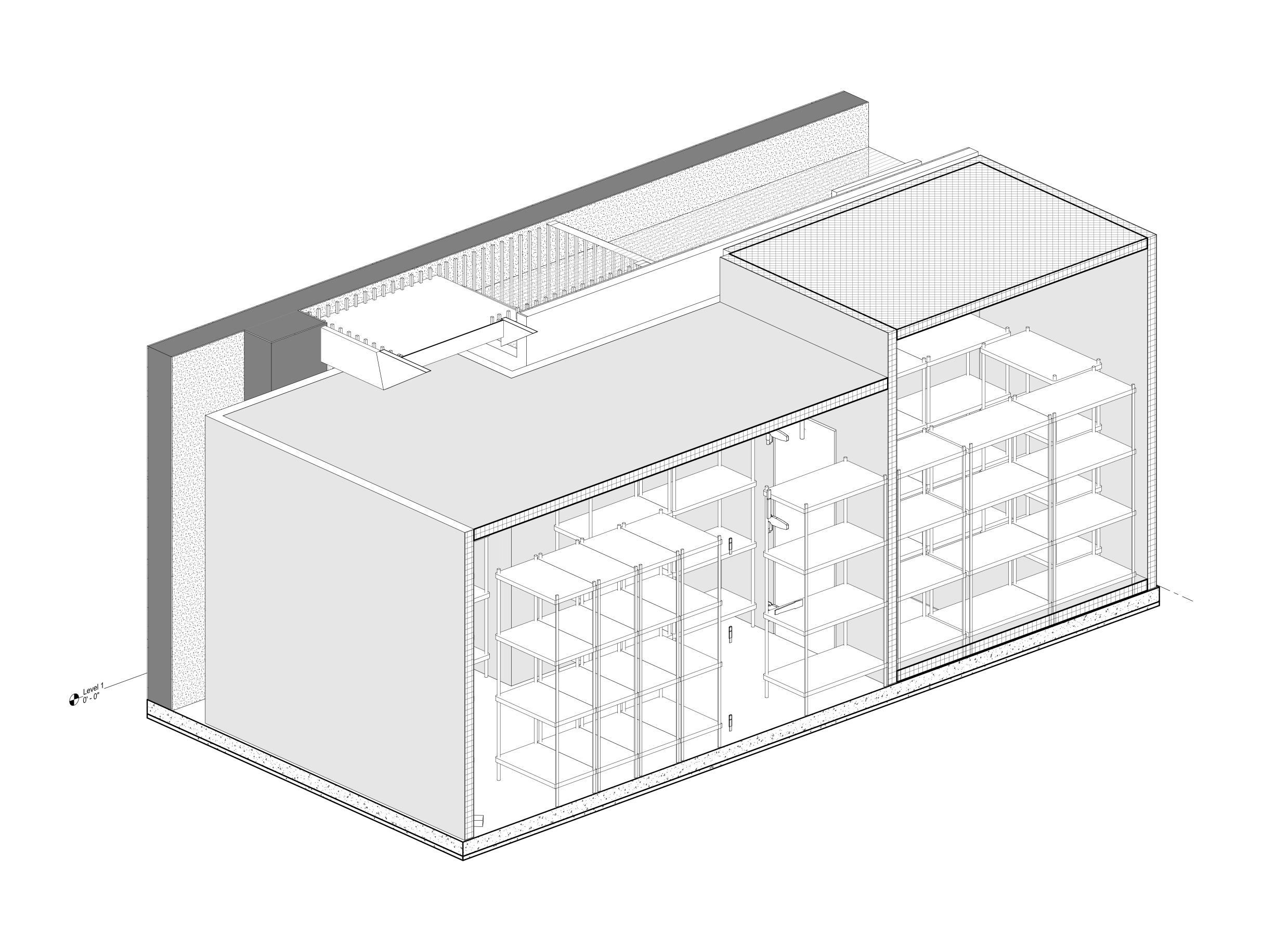


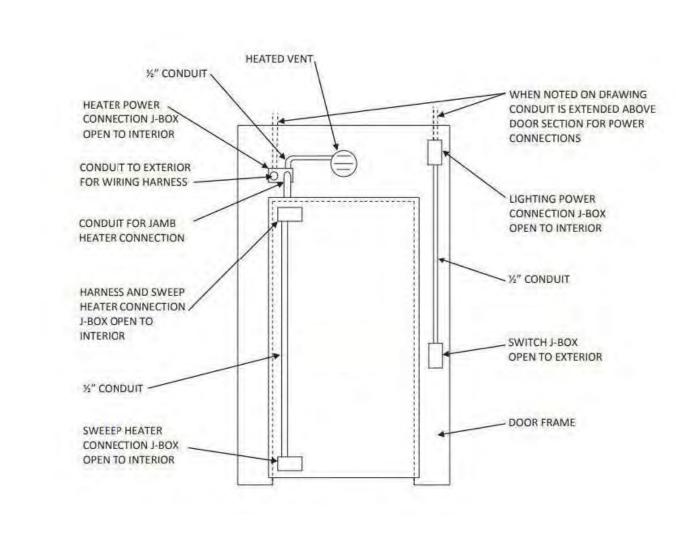
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ENLARGED STAIR & ELEVATOR PLAN COMMERCIAL KITCHENS

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NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION





3 WIC / WIF DOOR (INTERIOR VIEW)

2 3D WALK-IN FREEZER

LOCATION	CODE	DESCRIPTION	NOTES
WALK-INS	L04	COLD STORAGE VAPOR TIGHT LED	L04A FOR COOLER & L04B FOR FREEZER
*** SEE ADDENDUM	SCHEDULES FOR PRO	DUCT SPECIFICATION	
EQUIPMENT			
LOCATION	CODE	DESCRIPTION	NOTES
	EQ45A	48"W x 21"D COLD RACK	
	EQ45B	36"W x 21"D COLD RACK	
WALK-INS	EQ47	74" COLD POST	
	EQ48	CASTER	
	EQ62	EPOXY COATED CHAIN-LINK FENCE	

FINISHES			
LOCATION	CODE	DESCRIPTION	NOTES
MALIK INIO	FB03	COVE GALVANIZED ALUMINUM	
WALK-INS	PF01	STUCCO EMBOSSED COATED STEEL	FINISH FOR WALK-INS
*** SEE ADDENDUM	SCHEDULES FOR PRODUC	T SPECIFICATION	

GENERAL NOTE

- FLOOR MUST BE FLAT SUPPORTING A MINIMUM OF 150 LBS./ SQ.FT. GRAVITY LOAD AND HAVE AN LIQUID TIGHT EPOXY OR CONCRETE FINISH. VERIFY DESIGN FOR SEISMIC REGIONS AND OUTDOOR LOCATIONS.
 APPLY SILICONE SEALANT TO BOTTOM EDGE OF ALL WALLS WHERE THEY MEET THE BUILDING FLOOR.
- APPLY SILICONE SEALANT TO BOTTOM EDGE OF ALL WALLS WHERE THEY MEET THE BUILDING FLOOR.
 NSF NO. 7 REQUIRES COVE MOLDING TO COVER THE JUNCTURE OF THE WALK-IN WALLS AND THE BUILDING FLOOR. COVE BASE (GALVANIZED ALUMINUM) PROVIDED AND INSTALLED BY WALK-IN SUBS.

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Sheet No.

Checked: Checker

Job No.: 09901

08/15/2022

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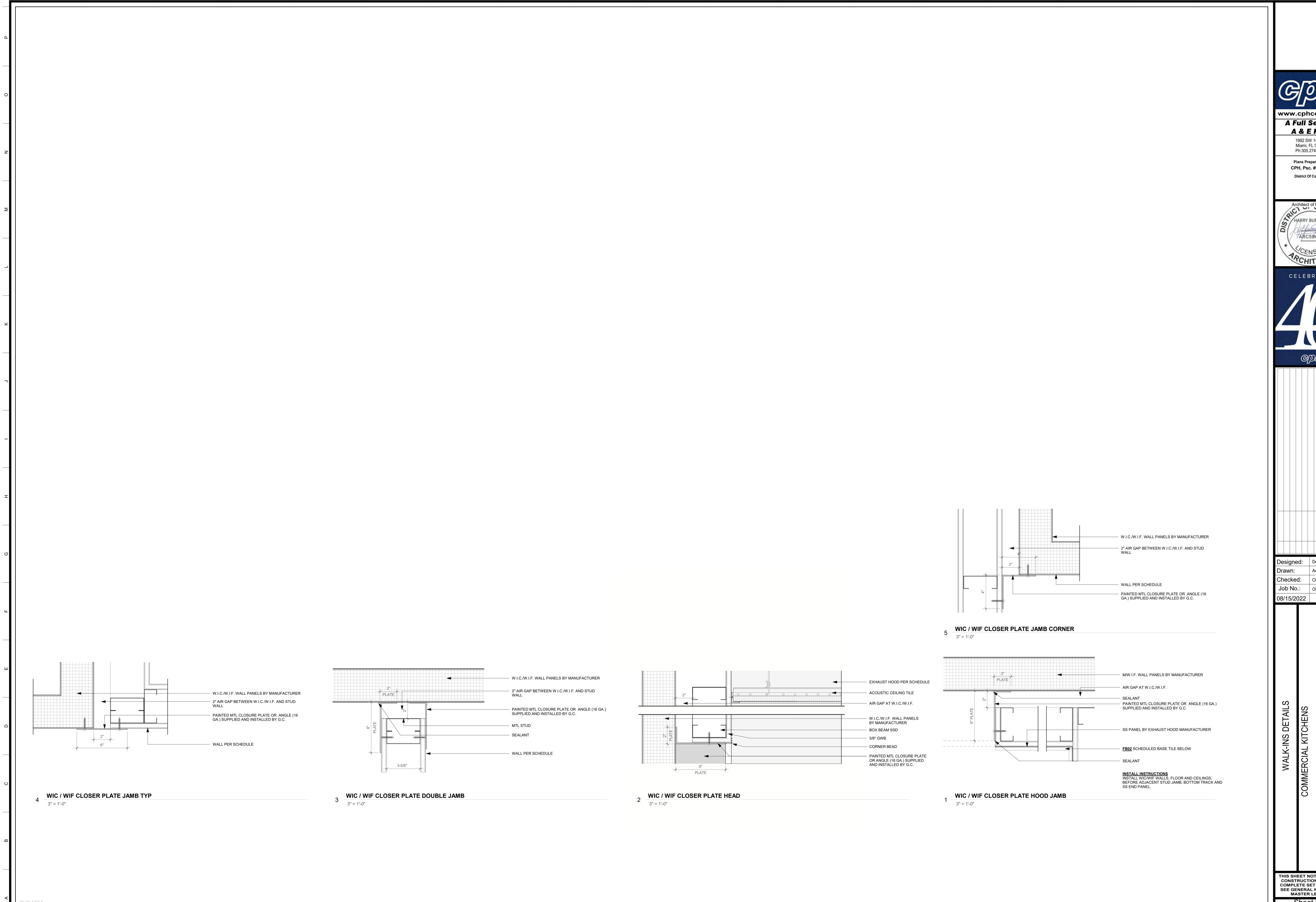
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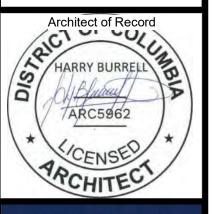
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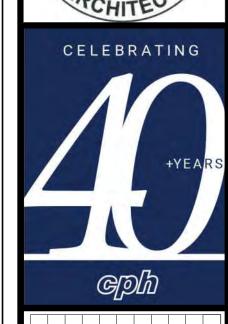


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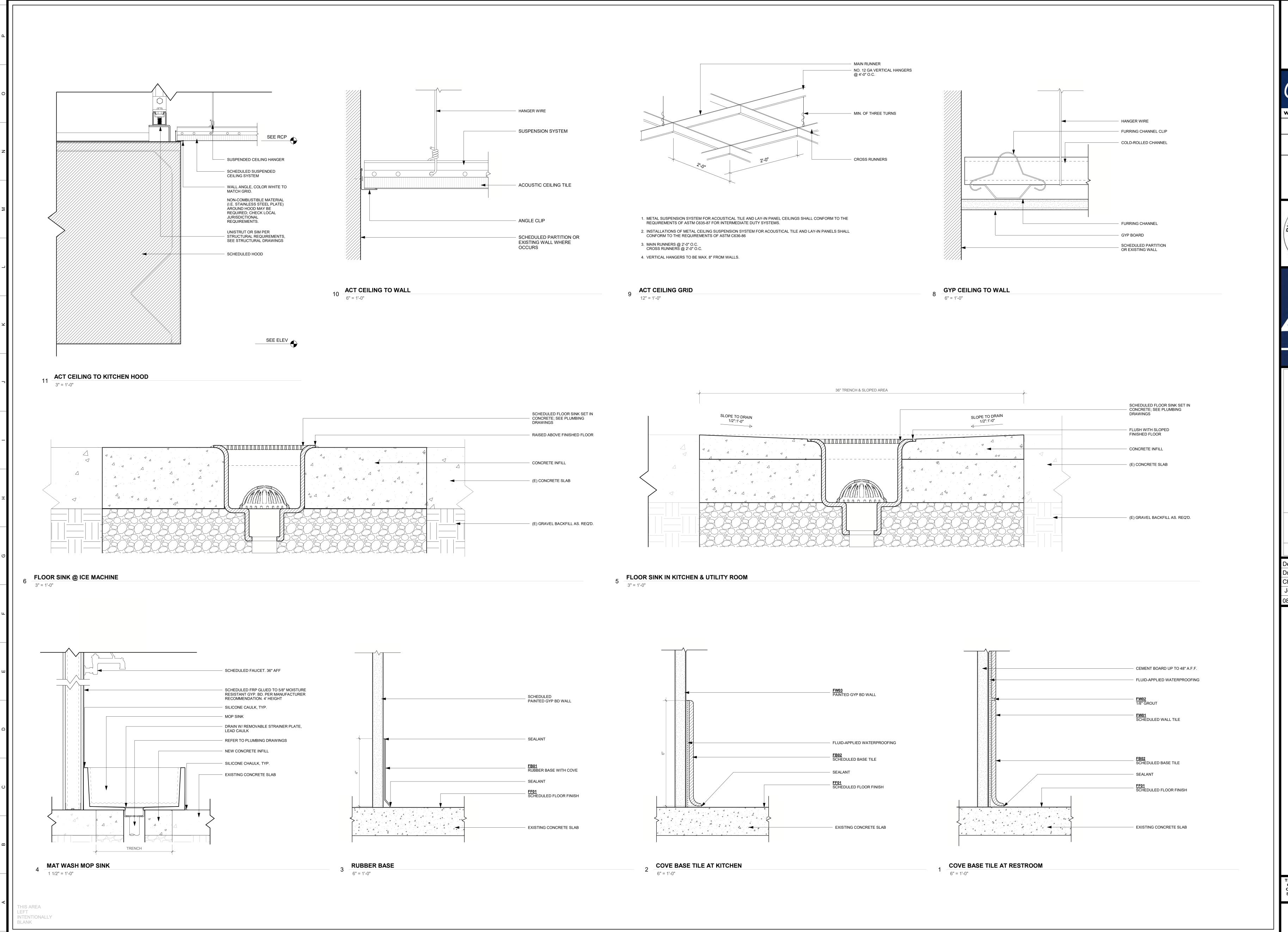
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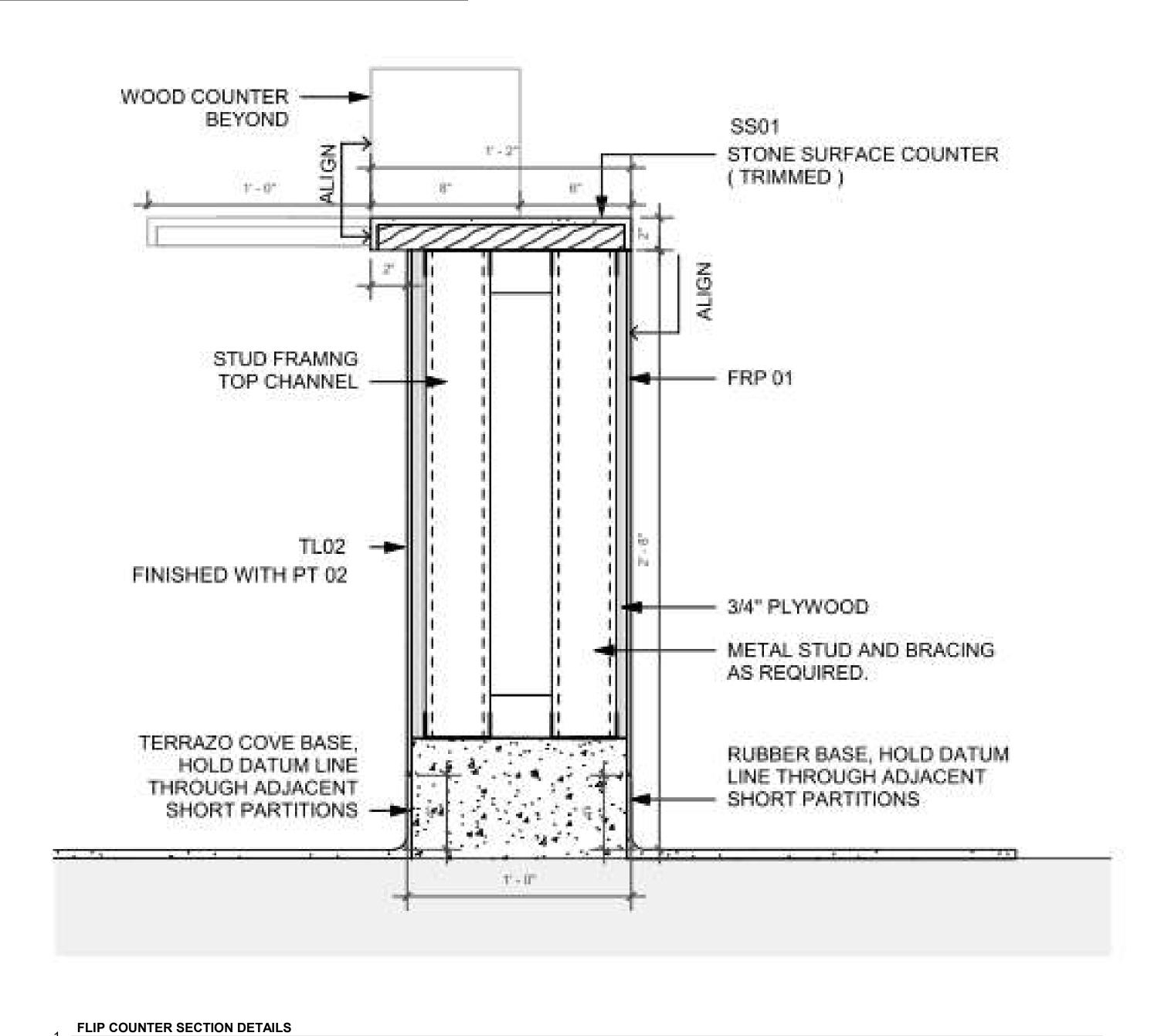


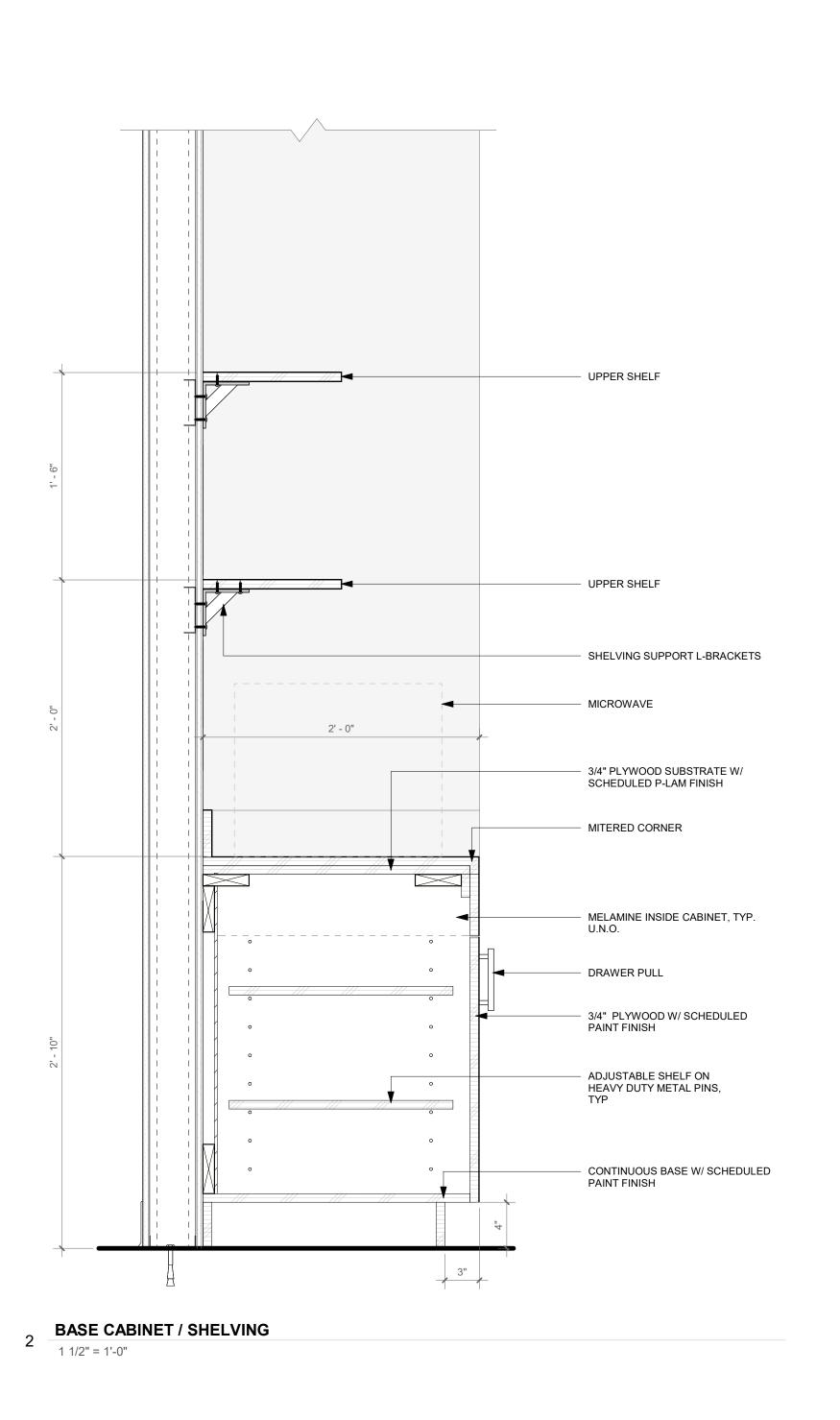
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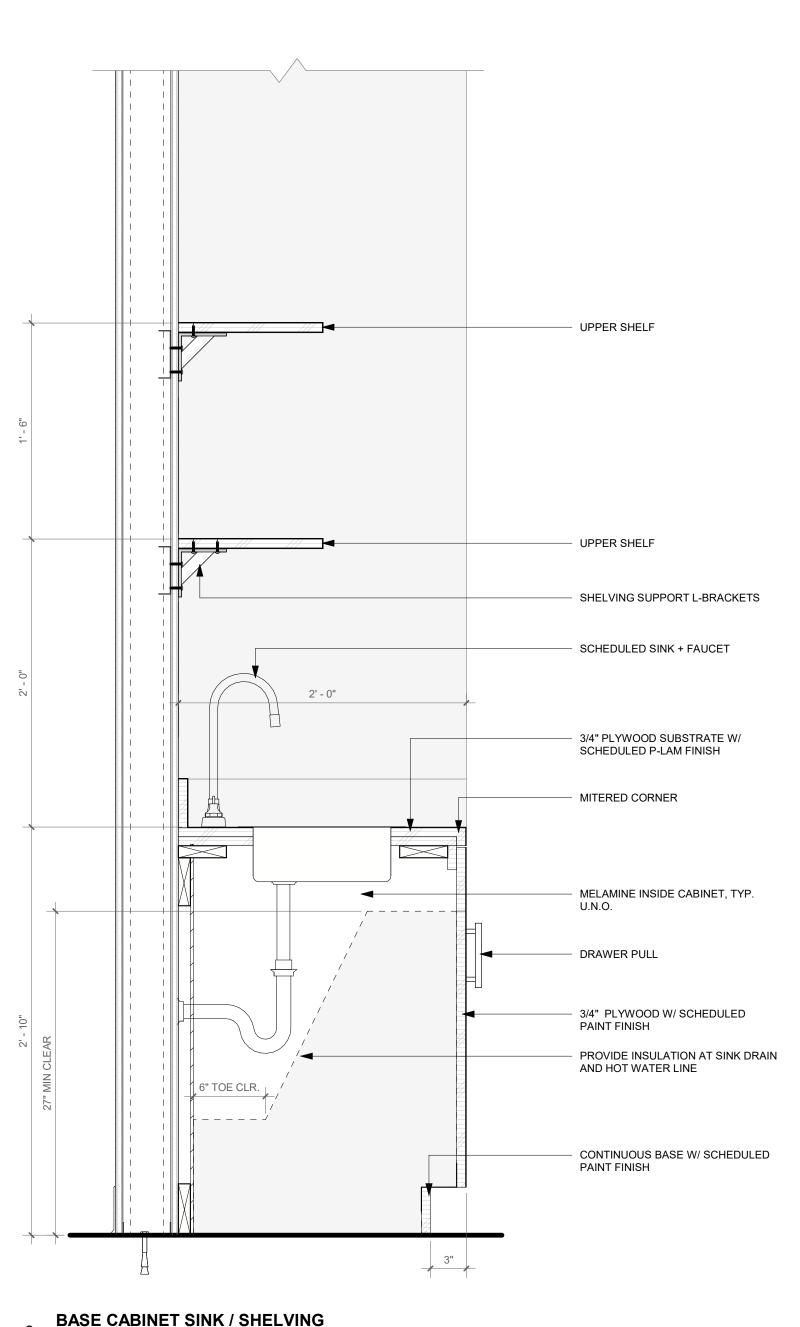


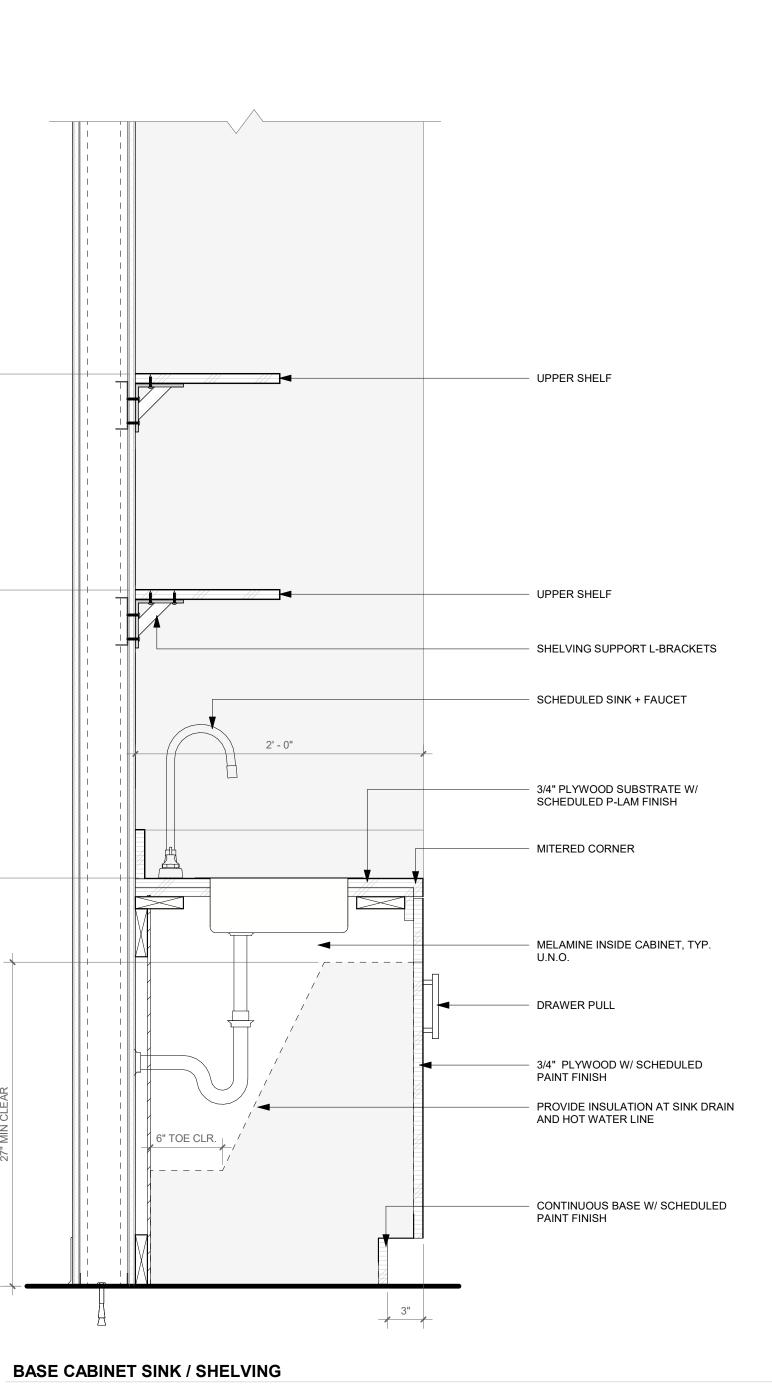
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CONTRACTOR IS TO PROVIDE A MOCK UP OF THIS MILLWORK TEST FOR OWNERSHIP REVIEW AND SIGN OFF PRIOR TO SITE INSTALLATON









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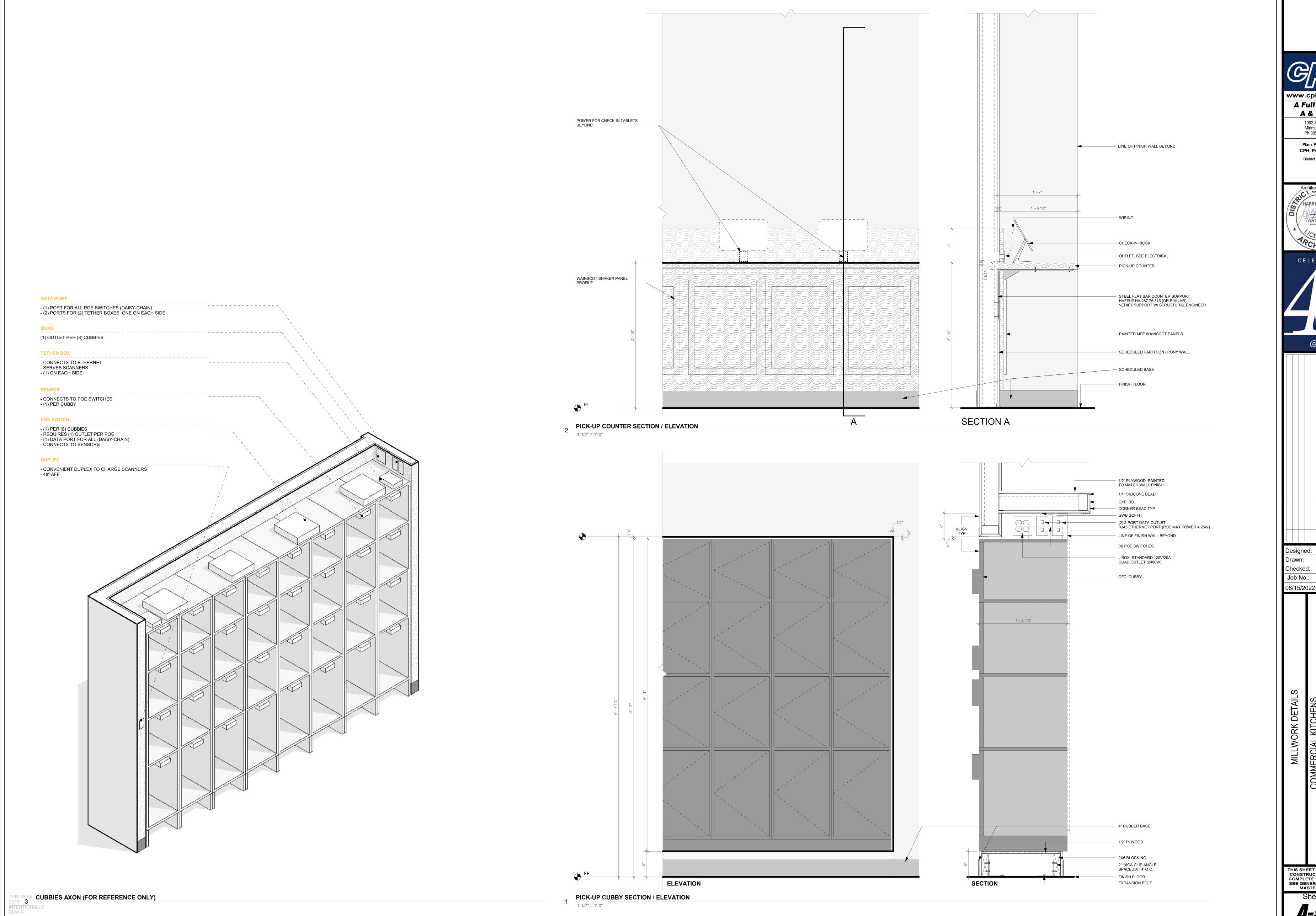
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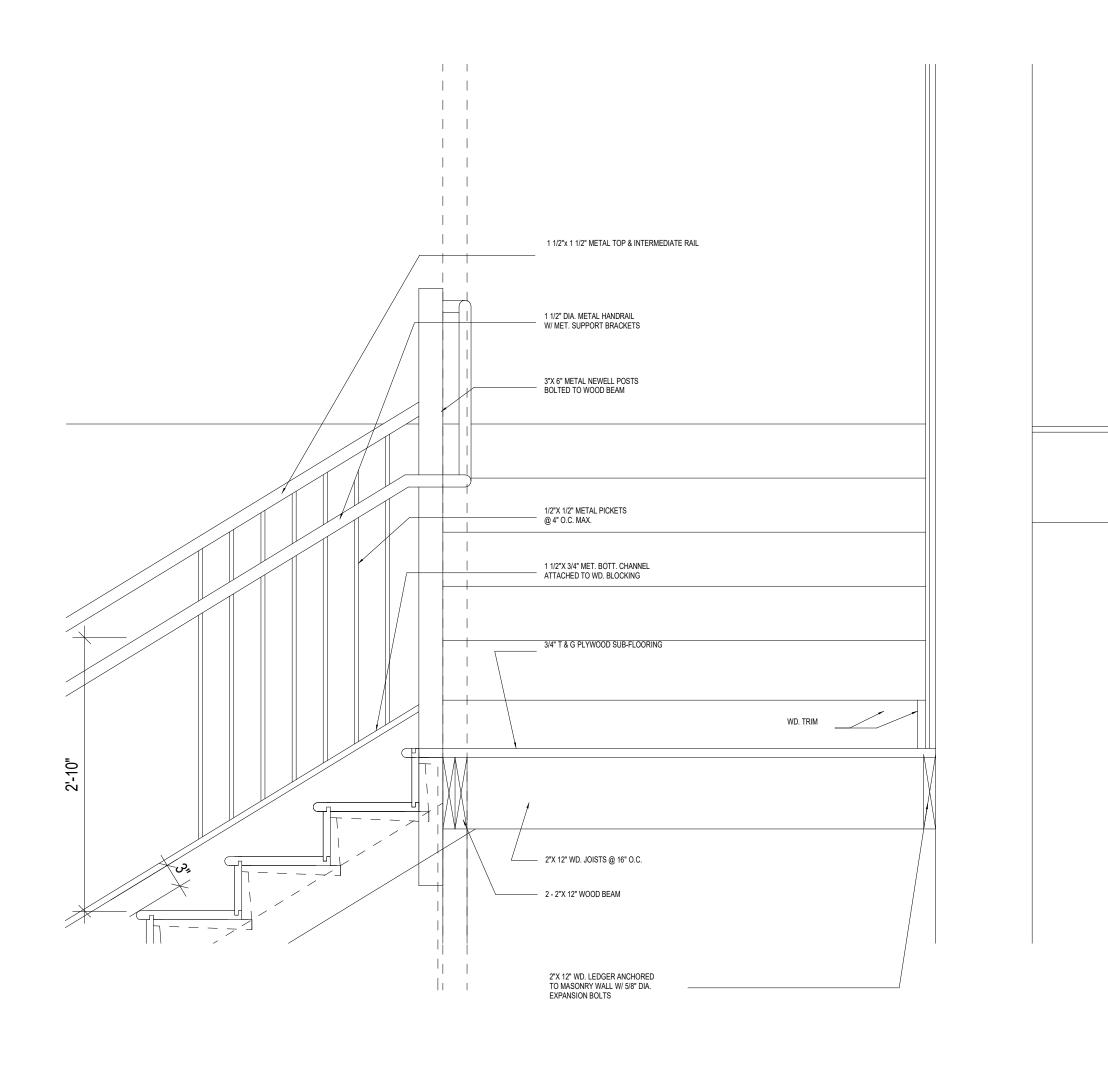
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SEE GENERAL NOTES FOR MASTER LEGEND

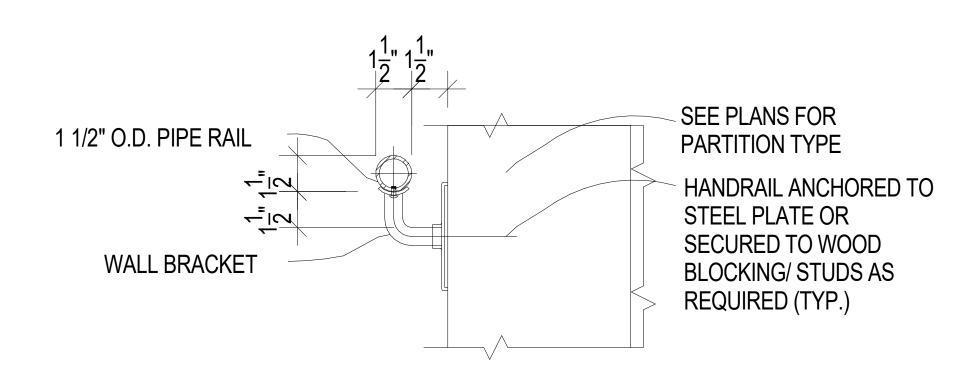
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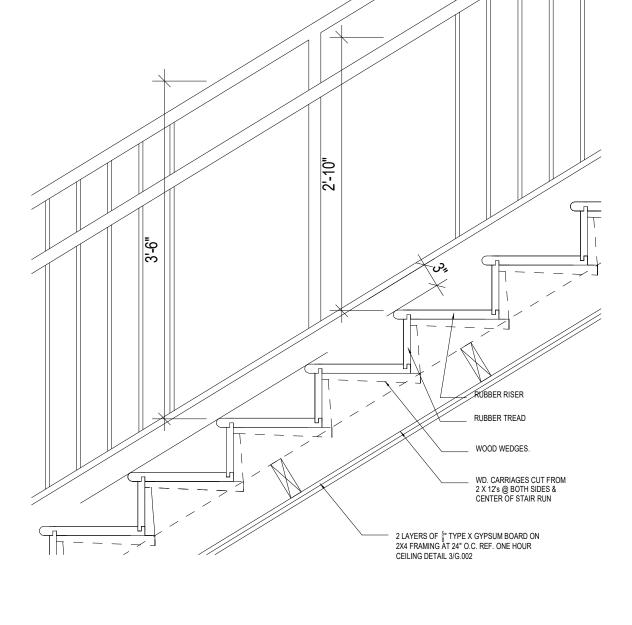
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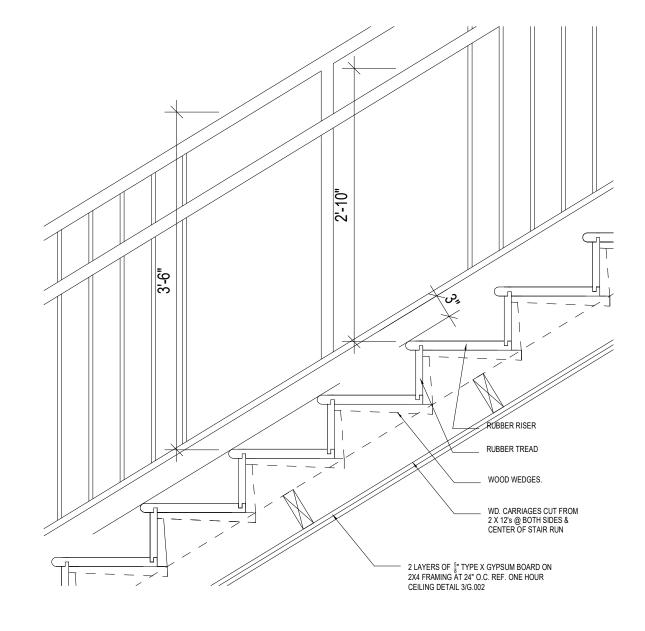
STAIR DETAIL - AT LANDING



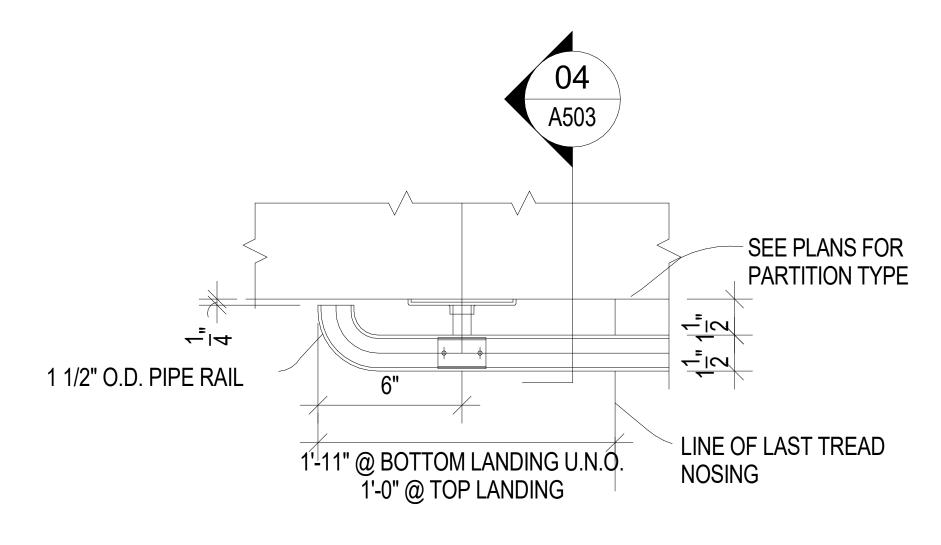
4 STAIR DETAIL - HANDRAIL DETAIL SECTION



2 STAIR DETAIL - RISER FIRE RATING
1" = 1'-0"



STAIR DETAIL - AT START



5 STAIR DETAIL - WALL FASTENED HANDRAIL DETAIL

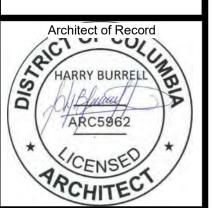
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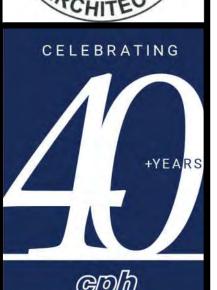
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District Of Columbia

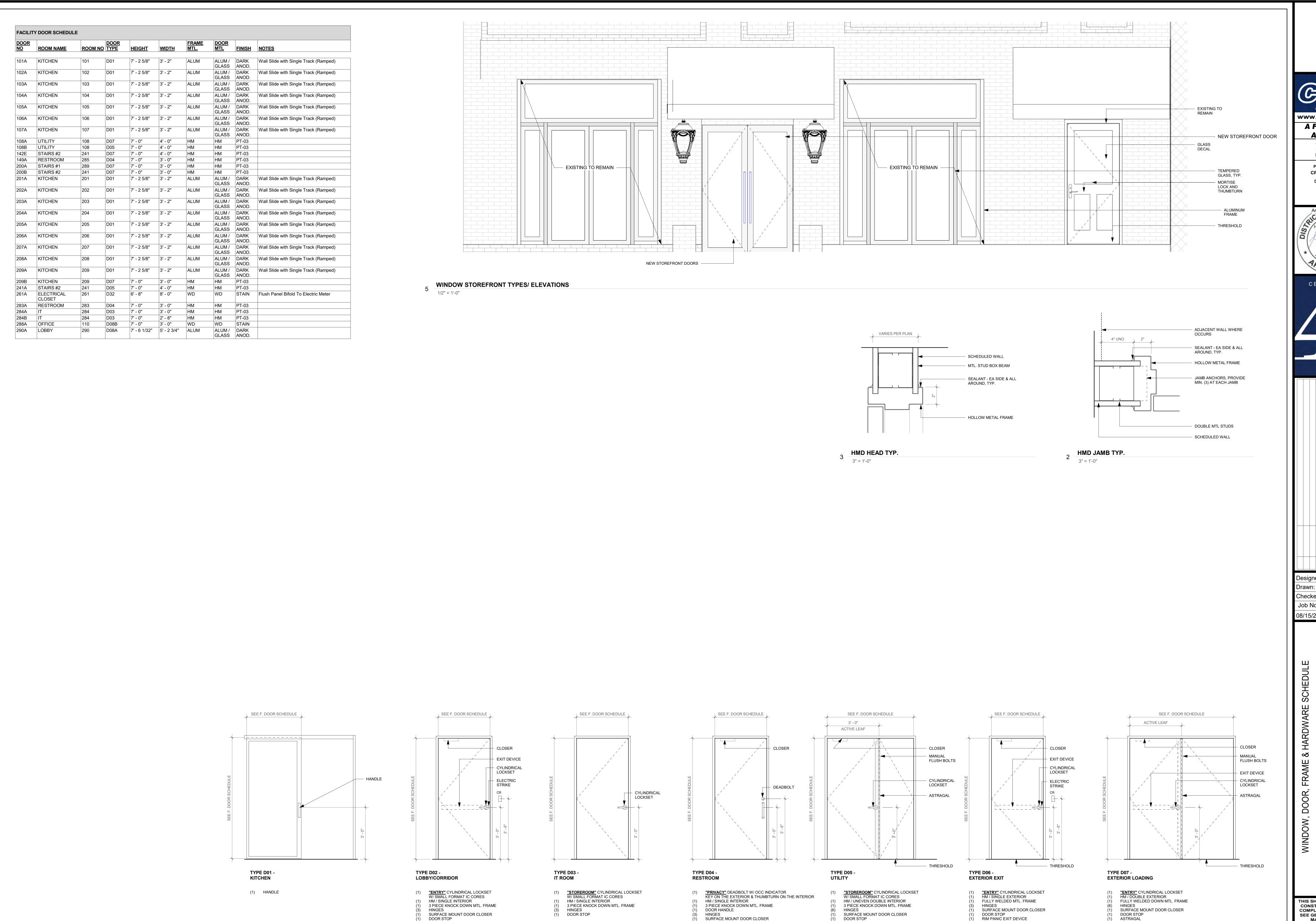
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STAIR DETAILS
COMMERCIAL KITCHENS



DOOR STOP

ASTRAGAL MANUAL FLUSH BOLT AT INACTIVE LEAF

THRESHOLD WEATHER SEALS

CARD READER ELECTRIC STRIKE

RIM PANIC EXIT DEVICE

CARD READER

1) ELECTRIC STRIKE

DOOR TYPES / ELEVATIONS

1/2" = 1'-0"

Designed: Designer
Drawn: Author
Checked: Checker
Job No.: 09901
08/15/2022

DOOR, FRAME & HARDWARE SCHEDULE
COMMERCIAL KITCHENS
COMMERCIAL KIT

WINDOW, DOOR, FRA
COMMERCIA
1721 Wisconsin AVE NW, V

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Sheet No.

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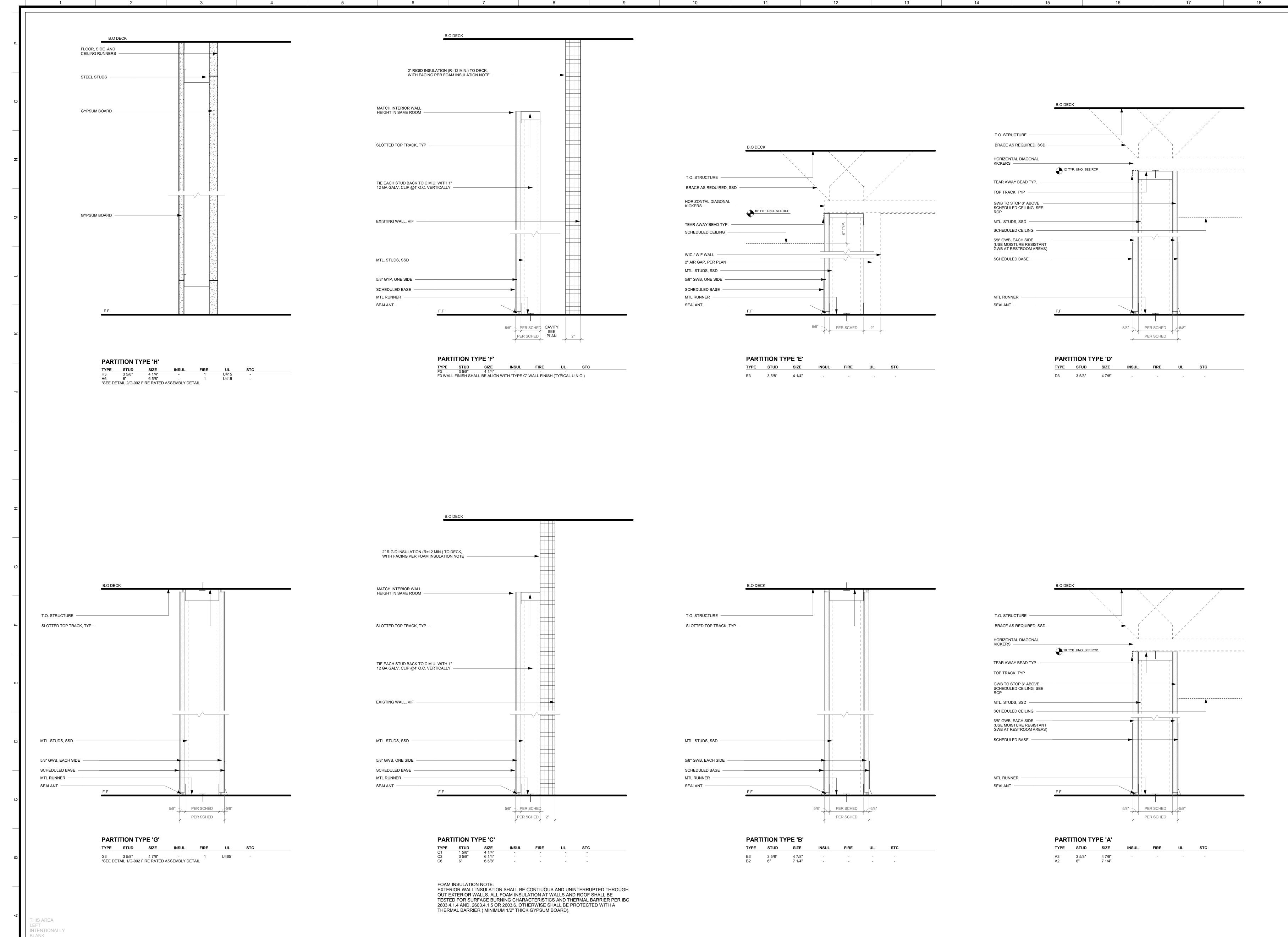
MANUAL FLUSH BOLT AT INACTIVE LEAF THRESHOLD

WEATHER SEALS

DOORBELL

THIS AREA

BLANK

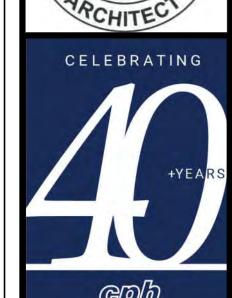


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Miami, FL 33135

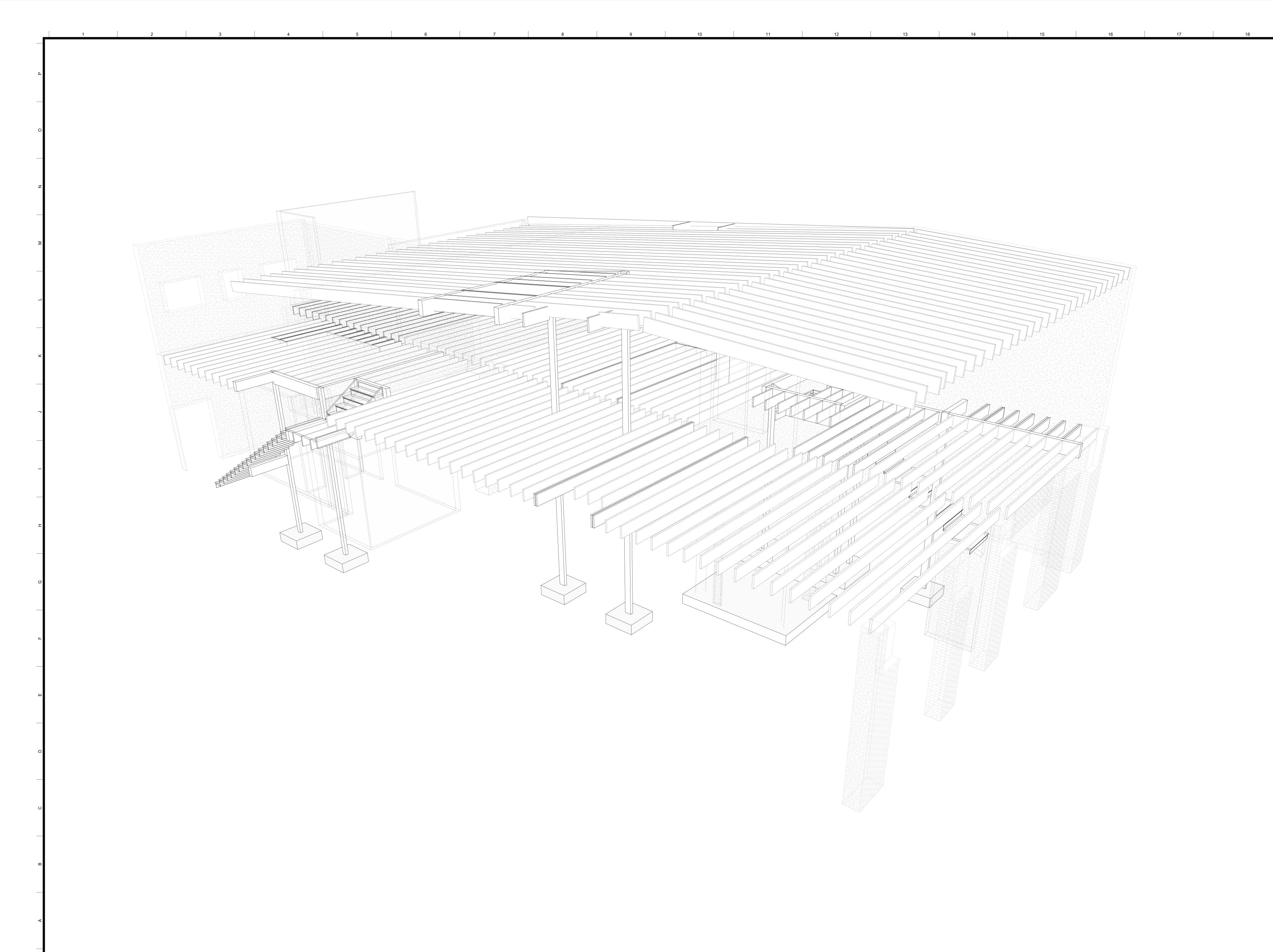
Architect of Record ARC5962



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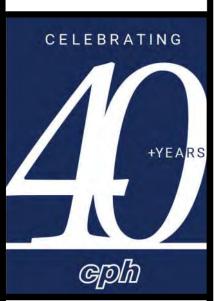
TYPES & DET





A Full Service A & E Firm 500 West Fulton St. Sanford, Fl. 32771 Ph:407.322.6841

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STRUCTURAL ISOMETRIC VIEW
MUILTIPLE COMMERCIAL KITCHENS

GENERAL NOTES FOR EOR TO RELAY TO CONTRACTOR

THE ENGINEER SHALL FIELD VERIFY ALL DIMENSIONS AND ASSUMPTIONS PROVIDED BY THE OWNER OR AS NOTED IN THE CONTRACT PROPOSAL. EXISTING CONDITIONS, DIMENSIONS AND ELEVATION SHALL BE VERIFIED PRIOR TO BEGINNING CONSTRUCTION AND ORDERING MATERIAL. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER OF RECORD OF ANY DISCREPANCIES IMMEDIATELY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE NEW AND EXISTING STRUCTURES AND WALLS DURING CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER THE FINAL CONFIGURATION ONLY.

DESIGN CRITERIA

THE S	TRUCTURAL DESIGN OF THIS BUILDING WAS BASED ON THE DESIGN CRITERIA:
Α	BUILDING CODE

, ··	201221110 0022		
	INTERNATIONAL BUILDING CODE 2015 & 2017 DISTRIC OF COLUMI	BIA BUI	LDING CODE
B.	DESIGN ROOF LOADS		
	DEAD LOADS	15	PSF (MAX)
	LIVE LOADS	20	PSF (REDUCIBLE)
C.	DESIGN FLOOR LOADS		
	LIVE LOADS	100	PSF (KITCHENS)
		50	PSF (OFFICE)
D.	ROOF SNOW LOAD DATA:		
	GROUND SNOW LOAD, Pg	25	PSF
	FLAT ROOF SNOW LOAD, Pf	20	PSF
	EXPOSURE FACTOR, Ce	1.0	
	IMPORTANCE FACTOR, Is	1.0	
	THERMAL FACTOR, Ct	1.0	
	TERRAIN CATEGORY	В	
	FOR SNOW DRIFTS LOADS	N/A	
E.	WIND DESIGN DATA:		
	ULTIMATE DESIGN WIND SPEED, Vult	115	MPH
	NOMINAL DESIGN WIND SPEED, Vasd	90	MPH
	RISK CATEGORY:	II	
	WIND EXPOSURE CATEGORY:	В	

SEE WIND LOAD TABLES ON THIS SHT. WIND PRESSURES PER ASCE: WIND-BORNE DEBRIS REGION (WITHIN HURRICANE-PRONE REGIONS)

1. WITHIN 1 MILE OF THE COASTAL MEAN HIGH WATER LINE WHERE Vult IS 130 MPH OR GREATER; OR 2. IN AREAS WHERE Vult IS 140 MPH OR GREATER.

G. EARTHQUAKE DESIGN DATA: SEISMIC IMPORTANCE FACTOR, le

INTERNAL PRESSURE COEFFICIENTS

COMPONENTS AND CLADDING WIND PRESSURE:

MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS, SITE CLASS: D (DEFAULT DESIGN SPECTRAL RESPONSE ACELERATION PARAMTERS, SDs= 0.127g SD1= 0.0.082c SEISMIC DESIGN CATEGORY: B

FOUNDATION PLAN NOTES

DESIGN SOIL BEARING PRESSURE OF 2,500 PSF WAS ASSUMED FOR FOUNDATION DESIGN. THE OWNER AND/OR CONTRACTOR MUST VERIFY THIS CONDITION BY HIRING A GEOTECHICAL ENGINEER.

A GEOTECHNICAL REPORT BY FMC & ASSOCIATES, LLC, NO. GEO2022-155 DATED MAY 5, 2022. ALL CONTRACTORS INVOLVED WITH THE EXCAVATION, BACKFILL AND FOUNDATION CONSTRUCTION SHALL FAMILIARIZE THEMSELVES WITH THIS REPORT.

ALL WORK REGARDING SITE PREPARATION, EARTH FILL CONSTRUCTION, BACKFILL REQUIREMENTS, FOUNDATION PREPARATIONS, ETC., SHALL BE IN STRICT CONFORMANCE TO THE GEOTECHNICAL ENGINEER'S REPORT. THE REPORT IS PART OF THE CONTRACT DOCUMENTS.

FOUNDATION BEARING SURFACES SHALL BE INSPECTED UNDER THE DIRECTION OF THE PROJECT GEOTECHNICAL IF NOT OTHERWISE SPECIFIED IN GEOTECHNICAL REPORT, COMPACT ALL FILL TO 98% OF OPTIMUM LABORATORY DENSITY IN ACCORDANCE WITH ASTM D698 STANDARD PROCTOR METHOD.

+/- 0.18

DO NOT BACKFILL AGAINST FOUNDATION OR BASEMENT WALLS UNTIL FLOOR SLAB/FRAMING IS IN PLACE OR PERMISSION IS

SUPPORTED BY THE FLOOR ABOVE AND BELOW. PROPER TEMPORARY BRACING MAY BE USED IN LEIU OF THE FLOOR SUPPORT BASED ON THE DESIGN BY A PROFESSIONAL ENGINEER. ALL FOOTINGS ARE TO REST ON FIRM, LEVEL, UNDISTURBED SOIL OR ENGINEERED FILL, OF BEARING CAPACITY NOTED, REGARDLESS OF ELEVATIONS SHOWN ON DRAWINGS.

WHERE ROCK OR SHALE IS THE BEARING MATERIAL, PROVIDE 6" DEEP PENETRATION.

WHERE FOOTINGS ARE IN CLOSE PROXIMITY OF SEWERS, BOTTOM OF FOOTINGS SHALL BE AT LEAST 8" BELOW INVERT

EXCAVATIONS FREE OF WATER AT ALL TIMES.

USE LEAN CONCRETE (F'C=1500 PSI) FOR OVER-EXCAVATION OF FOOTINGS AND REPLACEMENT OF WEAKENED SOIL. PROVIDE POSITIVE DRAINAGE AWAY FROM EXCAVATIONS SO AS NOT TO ALLOW STANDING WATER FOR LONG PERIODS OF PROVIDE A 10 MIL THICK VAPOR BARRIER BETWEEN THE COMPACTED BASE AND CONCRETE SLAB.

DO NOT PUNCTURE THE VAPOR BARRIER. LAP AND TAPE ENDS.

PERFORM ALL SITEWORK UNDER THE DIRECT SUPERVISION OF A GEOTECHNICAL ENGINEER.

CONCRETE

ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ASI 301) LATEST EDITIONS. CONCRETE MEMBERS SHALL HAVE THE FOLLWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: A. STRUCTURAL CONCRETE

CLASS LOCATION **FOUNDATIONS** INTERIOR SLABS ON GRADE AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED INTERIOR SLABS ON GRADE AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED 4000 (W/AIR) IV NOT USED 1500 B. ALL DEFORMED REINFORCING BARS: ASTM A615, GR. 60 C. ALL WELDED WIRE FABRIC: ASTMA1064, DELIVERED IN FLAT SHEETS

ALL OTHER CONCRETE TO BE 4000 PSI UNLESS NOTED OTHERWISE ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST ADOPTED EDITIONS OF THE STANDARDS AND MATERIAL SPEFICIATIONS REFERENCED HEREIN.

CONCRETE MIX SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 CHAPTER 3, METHOD 1 OR METHOD 3. CONTRACTOR SHALL SUBMIT BACKUP DATA PER SECTION 26.4 OF ACI 318 LATEST EDITION. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A615 GR. 60. SUBMIT ALL REINFORCING

CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI SPECIFICATIONS. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. WELDED WIRE FABRIC SHALL BE LAPPED AT LEAST 12 INCHES UNLESS NOTED REBAR LAP LENGTH SHALL BE 48 BAR DIAMETERS MINIMUM, UNLESS NOTED OTHERWISE ON DRAWINGS.

STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.

PROVIDE ACI STANDARD HOOKS UNLESS NOTED OTHERWISE ON DRAWINGS.

ALL CONCRETE WORK SHALL CONFORM TO ACI 318 LATEST EDITION "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE STRUCTURES", ACI 301 "SPECIFICATIONS FOR STRUCTRUAL CONCRETE FOR BUILDINGS," ACI 305 "HOT WEATHER CONCRETING," AND ACI 306 "COLD WEATHER CONCRETING."

ALL CONCRETE DETAILS SHALL CONFORM TO ACI 315 LATEST EDITION "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" UNLESS NOTED OTHERWISE ON THE DRAWINGS. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF SLEEVES, OPENINGS, EMBEDDED ITEMS, SLAB RECESSES, SLOPES, ETC. THESE ITEMS SHAL BE COORDINATED WITH OTHER TRADES AND INSTALLED PRIOR TO

CONCRETE PLACEMENT. CONTRACTOR SHALL VERIFY ANCHOR BOLT SIZES AND LOCATIONS PRIOR TO CONCRETE PLACEMENT. BAR LENGTHS PROVIDED ON DRAWINGS DO NOT INCLUDE HOOK LENGTH. HOOKS SHALL BE PROVIDED AT TOP BARS, AT BEAM ENDS, AND SLAB

CONTRACTOR SHALL PROVIDE CHAIRS, BOLSTERS, SPACERS, ETC. AS REQUIRED TO SECURELY SUPPORT REINFORCEMENT. SUPPORT ITEMS ON EXPOSED CONCRETE SHALL BE PLASTIC SUPPORT REINFORCEMENT, TIPPED OR STAINLESS STEEL. IN HIGHLY CORROSIVE

ENVIRONMENTS, SUPPORT ITEMS SHALL BE PLASTIC. ONE COPY OF ALL CONCRETE TEST RESULTS SHALL BE SUBMITTED BY THE TESTING AGENCY DIRECTLY TO THE ENGINEER OF RECORD. THE CONTRACTOR SHALL SEAL ALL HAIRLINE CRACKING IN CONCRETE SLAB ON GRADE WITH A CRACK SUPPRESSION KIT SUCH AS LATICRETE

A COPY OF THE "FIELD REFERENCE MANUAL" ACI SP-15 LATEST EDITION SHALL BE KEPT BY THE CONTRACTOR ON SITE. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL. CONCRETE COVER: UNLESS OTHERWISE NOTED, DETAIL REINFORCING TO PROVIDE MINIMUM COVER AS FOLLOWS: A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3 INCHES

B. CONCRETE EXPOSED TO EARTH OR WEATHER #5 BARS AND SMALLER 2 INCHES C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER BEAM AND COLUMN BARS INCLUDING TIES, STIRRUPS AND SPIRALS 1-1/2 INCHES SLABS, WALLS AND JOISTS: #11 BARS AND SMALLER 3/4 INCHES 1-1/2 INCHES

SLUMP, (AT POINT OF PLACEMENT): CALCIUM CHLORIDE SHALL NOT BE USED IN ANY FORM.

CONCRETE BLOCK DESIGN AND CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (TMS 402/ACI 530/ASCE 5) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (TMS 602/ACI 530.1/ASCE 6)

MASONRY MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS: A. HOLLOW LOAD BEARING CONCRETE BLOCK: ASTM C-90, GR. N1. MINIMUM COMPRESSIVE STRENGTH = 1900 PSI AT 28 DAYS MORTAR: ASTM C-270, TYPE S. MINIMUM COMPRESSIVE STRENGTH = 1800 PSI AT 28 DAYS

MORTAR: ASTM C-270, TYPE M. MINIMUM COMPRESSIVE STRENGTH = 2500 PSI AT 28 DAYS GROUT: ASTM C-476. MINIMUM COMPRESSIVE STRENGTH = 2000 PSI AT 28 DAYS MASONRY REINFORCEMENT: ASTM A-82 GALVANIZED

. MASONRY PRISM STRENGTH: F'm = 1500 PSI TYPICAL REINFORCING:

THE MORTAR'S FREEZING POINT.

CODE AND LOCAL ORDINANCE.

VERTICAL - REF. PLAN FOR SIZE AND SPACING HORIZONTAL - #9 WIRE IN DUR-O-WALL (LADUR TRUSS TYPE) OR APPROVED EQUAL AT 16" O.C. IN MASONRY WALLS, EXCEPT AT 8" O.C. FOR

WALL BELOW GRADE OR STACK BOND WALLS (U.N.O. ON DRAWINGS) PRIOR TO DELIVERY OF MASONRY UNITS TO THE JOB SITE, FURNISH TO THE OWNER AFFIDAVITS FROM AN APPROVED TESTING LABORATORY CERTIFYING THAT ALL UNITS CONFORM TO THEIR RESPECTIVE ASTM REQUIREMENTS. PROVIDE CLEANOUT AT THE BASE OF ALL GROUTED MASONRY CELLS. CLEAN MASONRY VOID TO BE GROUTED OF ALL DEBRIS

AND MORTAR PROTRUSIONS. GROUT ALL CAVITIES CONTAINING REINFORCEMENT IN LIFTS NOT TO EXCEED 5'-0" (REFER TO DETAILS). LABORATORY PREPARED MIXES SHALL BE PREPARED AND TESTED IN ACCORDANCE WITH ASTM C-270, FIELD MORTAR SHALL BE

TESTED WITH AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH ASTM C-780. TWO SETS OF THREE MORTAR CUBES SHALL BE TAKEN DIRECTLY FROM THE MIXER FOR EACH DAY OF MASONRY WORK. TEST THE CUBES AT 28 DAYS. ACCEPTANCE OF THE MORTAR SHALL BE AT THE DESCRETION OF THE ENGINEER. CALCIUM CHI ORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHI ORIDE SHALL NOT BE INCLUDED IN MORTAR OR GROUT MIX. EXCEPT WHEN APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. NO ANTI-FREEZE COMPOUNDS SHALL BE USED TO LOWER

NO EXTERIOR MASONRY SHALL BE LAID WHEN THE OUTSIDE AIR TEMPERATURE IS LESS THAN 40 DEGREES FAHRENHEIT, UNLESS THE RECOMMENDATIONS SPECIFIED BY THE INTERNATIONAL MASONRY INDUSTRY ALL-WEATHER COUNCIL IN THEIR PUBLICATION "RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR COLD WEATHER MASONRY" ARE STRICTLY FOLLOWED.

THE MASONRY CONTRACTOR SHALL PROVIDE BRACING TO WITHSTAND HORIZONTAL PRESSURES AS REQUIRED BY THE BUILDING

STRUCTURAL STEEL ALL STEEL CONSTRUCTION SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE STANDARD AND MATERIAL SPEFICIATIONS REFERENCED HEREIN.

REFERENCE STANDARDS A. ANSI/AISC 360, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION" B. AISC 303, "CODE OF STANDARDS PRACTICE FOR STEEL BUILDINGS AND BRIDGES" BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION" (AISC)

C. "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" BY THE RESEARCH COUNCIL ON STRUCTURAL

CONNECTIONS (RCSC) D. AWS D1.1, "STRUCTURAL WELDING CODE" BY THE AMERICAN WELDING SOCIETY (AWS) MATERIALS:

W AND S SHAPES......ASTM A992 OR A572, GR. 50 TS/HSS SHAPES......ASTM A500, GR. B, Fy = 46 KSI

PIPE, TYPE E OR S, GRADE B.....ASTM A502 OR A53 OTHER SHAPES, INCLUDING BUT NOT LIMITED TO, ANGLES, CHANNELS, BEARING, BASE AND CAP PLATES, ETC......ASTM A36,

BOLTS (3/4" DIA., TURN OF NUT METHOD UNLESS NOTED OTHERWISE)......ASTM A325

ANCHOR BOLTS......ASTM F1554, GR. 55-S1

WELD ELECTRODE......AWS E70XX COATED TYPE, LOW HYDROGEN CLASSIFICATION DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION.

THE CONTRACTOR, FABRICATOR OR ERECTOR SHALL NOTIFY THE ENGINEER OF RECORD AND OWNER'S DESIGNATED CONSTRUCTION REPRESENTATIVE IF CHANGES ARE REQUIRED TO STRUCTURAL STEEL FRAME TO ALLOW ERECTION TO CONFORM TO OSHA REGULATIONS, INCLUDING SUB-PART R. BIDS SHALL BE BASED ON THE ERECTION METHOD CHOSEN BY THE CONTRACTOR OR ERECTOR. BASE BIDS TO INCLUDE THE COST FOR MODIFICATION OF THE STRUCTURAL STEEL, STEEL JOIST, JOIST GIRDERS, STEEL DECK OR LATERAL LOAD RESISTING SYSTEM BASED ON THE CHOSEN METHOD OF ERECTION.

CONNECTIONS (WELDED OR HIGH STRENGTH BOLTED) A. NON-COMPOSITE MEMBERS: DESIGN CONNECTIONS FOR FULL STRENGTH OF MEMBER FOR SPAN PER AISC BEAM LOAD B. COMPOSITE EMEMBERS: SEE COMPOSITE BEAM DETAILS FOR CONNECTION REQUIREMENTS.

A325SC WITH HARDENED WASHERS: USE FOR ALL MOMENT CONNECTIONS, WIND CONNECTIONS, HANGERS, AND OTHER CONNECTIONS AS NOTED ON DRAWINGS. D. A325N WITH HARDENED WASHERS: USE FOR ALL CONNECTIONS OTHER THAN SLIP CRITICAL CONNECTIONS WHEREVER POSSIBLE, USE FRAMED BEAM CONNECTIONS AS LISTED IN TABLES 10-1, 10-2 AND 10-3 OF AISC MANUAL OF STEEL

CONSTRUCTION. THE LENGTH OF CONNECTION ANGLES SHALL NOT BE LESS THAN HALF THE "T" DISTANCE OF THE BEAM WEB. F. ONE-SIDED CONNECTIONS WILL NOT BE PERMITTED UNLESS DETAILED ON THE DRAWINGS. BOTTOMS OF ALL CONNECTIONS SHALL BE AT LEAST 6" ABOVE FINISHED CEILING. H. ALL SLIP CONNECTIONS SHALL BE PROVIDED WITH A MEANS OF PREVENTING THE NUTS FROM UNTHREADING. USE STANDARD HOLES WITH THE FOLLOWING EXCEPTION: OVERSIZE HOLES ARE PERMITTED WHEN BOLTS ARE LOADED IN

TENSION; SHORT SLOTTED HOLES ARE PERMITTED FOR SHEAR LOADING PERPENDICULAR TO THE SLOT. J. WHERE REACTIONS ARE NOTED, DEVELOP SAME. A. PROVIDE ONE SHOP COAT AND ONE FIELD COAT OF RUST-INHIBITIVE PAINT. SEE SPECIFICATIONS FOR MORE INFORMATION.

B. DO NOT PAINT BEAMS THAT ARE ENCASED IN CONCRETE OR TO RECEIVE SPRAY-ON FIRE PROOFING. OMIT PAINT AT SLIP CRITICAL CONNECTIONS AND AREAS TO BE WELDED. SHOP DRAWINGS ARE REQUIRED AND SHALL NOTE TYPE OF ELECTRODES, SIZE OF ALL WELDS, AND TYPE AND SIEZE OF ALL BOLTS. SHOP DRAWINGS SHALL BE PREPARED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER.

ALL WELDING AND HIGH STRENGTH BOLTING MUST BE INSPECTED BY A QUALIFIED TESTING LABORATORY. LABORATORY SHALL BE APPROVED BY THE ARCHITECT AND/OR ENGINEER OF RECORD.

ALL WELDING SHALL CONFORM TO THE "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION" OF THE AWS AND BE PERFORMED BY A RECENTLY CERTIFIED WELDER IN ACCORDANCE WITH AWS STANDARDS.

SEQUENCE OF PLACING WELDS SHALL BE SUCH AS TO AVOID DISTORTION OF MEMBERS.

WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIEZE WELDS SPECIFIED IN AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION. NO WELDING OR FINAL BOLTING SHALL BE DONE UNTIL STRUCTURE HAS BEEN PROPERLY ALIGNED.

BEAMS BEARING ON MASONRY SHALL HAVE WALL ANCHORS AS SHOWN IN THE ASIC MANUAL, EXCEPT ANGLES SHALL BE WELDED TO THE BEAMS.

A. PROVIDE AND INSTALL FRAMING AROUND ROOF OPENINGS REQUIRED FOR ALL TRADES. IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL. B. ANY FRAMING SHOWN ON THE DRAWINGS THAT SUPPORT EQUIPMENT (WHETHER SUPPORTS ABOVE OR SUSPENDED BELOW) DESIGN LOADS, OPENINGS AND PENETRATIONS, AND STRUCTURAL MEMBERS IN ANY MANNER RELATE TO HVAC, PLUMBING, ELECTRICAL, OR FIRE PROTECTION REQUIREMENTS IS BASED ON EQUIPMENT DESIGNED, SHOWN AND/OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS. ALL REQUIRED FRAMING MAY NOT BE SHOWN. USING THE DETAILS PROVIDED ON THE STRUCTURAL DRAWINGS, THE GENERAL CONTRACTOR AND SUB-CONTRACTORS AND/OR EACH PRIME CONTRACTOR MUST COORDINATE AND INSTALL THE ACTUAL FRAMING REQUIRED FOR THE EQUIPMENT TO BE INSTALLED, AND INCLUDES COST FOR ALL REQUIRED FRAMING IN THE BID

C. FINISH ENDS OF ALL COLUMNS, STIFFENERS AND ALL OTHER MEMBERS IN DIRECT BEARING. ATTACHMENT OF ALL MECHANICAL EQUIPMENT TO THE STRUCTURE, INCLUDING, BUT NOT LIMITED TO HVAC ROOFTOP UNITS, ROOFTOP CURBS, ETC. ARE TO BE SPECIFIED BY THE MECHANICAL ENGINEER AND MECHANICAL CONTRACTOR.

STEEL JOISTS SHALL BE DESIGN, FABRICATED AND ERECTED IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE SPECIFICATIONS. PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE INSTALLATION OF ALL STEEL JOIST, INCLUDING BRIDGING, AS REQUIRED BY THE DRAWINGS AND THE STEEL JOIST INSTITUTE SPECIFICATIONS.

LIGHT GAUGE METAL FRAMING

 STEEL STUD SIZES SHALL BE AS NOTED ON THE DRAWINGS, CONFORMING TO SSMA STANDARDS. FABRICATE AND ERECT AS SPECIFIED. MANUFACTURER SHALL SUPPLY ALL CLIPS, FASTENERS, TEMPORARY BRACING,

ALL STEEL STUDS SHALL HAVE A MINIMUM 15 8 " FLANGE WITH A 12" RETURN (U.N.O.). 18 GAGE AND THINNER SHALL HAVE A MINIMUM YIELD STRENGTH, Fy, OF 33 KSI AND TENSILE, Fu, OF 45 KSI. ALL STUDS 16 GAGE AND THICKER SHALL HAVE A MINIMUM STRENGTH OF 50 KSI STRENGTH OF 65 KSI (U.N.O.) TRACK SECTIONS SHALL BE EQUAL GRADE AND GAGE THICKNESS OF STUDS BEING USED. TYPICAL, U.N.O.

ALL FASTENERS SHALL BE SELF-TAPPING NO. 12-14 GAGE SCREWS, OR WELD IN ACCORDANCE WITH SECTION 6.0 OF THE AMERICAN WELDING SOCIETY'S "STRUCTURAL WELDING CODE - SHEET METAL" (AWS D1.3) AS SHOWN ON DRAWINGS. PROVIDE HORIZONTAL BRIDGING AT 4'-0" O.C. TYP.

PROVIDE DOUBLE STUDS FOR FULL HEIGHT OF WALL EACH SIDE OF ALL OPENINGS UNLESS OTHERWISE NOTED. WELDS STUDS TO EACH OTHER WITH 1 1/2" LONG 1/8" FILLET WELDS AT 12" O.C. EACH SIDE. PROVIDE STUD TRACK AT EACH HEAD

POST INSTALLED ANCHORS AND DOWELS

9. REFER TO PLANS AND DETAILS FOR CONNECTION OF STUDS WALLS TO FOUNDATION, FLOOR OR ROOF

CONCRETE AND CMU EXPANSION ANCHORS SHALL BE "SIMPSON STRONG BOLT 2" INSTALLED PER MANUFACTURER'S GUIDELINES AND CURRENT ESR REPORT. AT CMU APPLICATIONS DO NOT INSTALL ANCHORS IN OR WITHIN 1 1/4" OF ANY

HEAD JOINT PER MANUFACTURER'S RECOMMENDATIONS. CONCRETE AND CMU SCREW ANCHORS SHALL BE "SIMPSON TITEN HD" INSTALLED PER MANUFACTURER'S GUIDELINES AND CURRENT ESR REPORT. AT CMU APPLICATIONS DO NOT INSTALL ANCHORS IN OR WITHIN 1 1/4" OF ANY HEAD JOINT PER IANUFACTURER'S RECOMMENDATIONS.

CONCRETE AND CMU EPOXY/ADHESIVE ANCHORS SHALL BE INSTALLED WITH "SIMPSON SET-XP" INSTALLED PER MANUFACTURER'S GUIDELINES AND LATEST ESR REPORT FOR CONDITION AND USE, INCLUDING DRILLING OF HOLES FOR ANCHORS AS WELL AS INSTALLATION.

Structural Sheet List Sheet Number Sheet Name STRUCTURAL ISOMETRIC VIEW GENERAL NOTES STRUCTURAL FOUNDATION PLAN FIRST LEVEL CEILING FRAMING PLAN SECOND LEVEL FLOOR FRAMING PLAN SECOND LEVEL CEILING FRAMING PLAN STRUCTURAL ROOF FRAMING PLAN FOUNDATION SECTIONS & DETAILS FRAMING SECTIONS AND DETAILS TYPICAL KITCHEN AND INTERIOR DETAILS WALL SECTIONS AND DETAILS ROOF AND SCREEN DETAILS MECHANICAL SUPPORT DETAILS **ELEVATOR SECTIONS AND DETAILS** STAIRS SECTIONS & DETAILS

ALL GRADES OF LUMBER SHALL BE RATED BY THE SOUTHERN PINE INSPECTION BUREAU (SPIB), OR THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA), IUMBER GRADES SHALL BE AS FOLLOWS, WITH A MAXIMUM MOISTURE CONTENT OF 19%:

A. SOUTHERN PINE NO. 1 B. DOUGLAS FIR-LARCH NO.

C. HEM-FIR NORTH NO. 1 BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

MINIMUM NAILED CONNECTIONS FOR WOOD FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE

STRUCTURAL WOOD

WOOD FRAMING SHALL COMPLY WITH THE SOUTHERN PINE INSPECTION BUREAU, OR SHALL CONFORM TO SPECIFICATIONS AS PUBLISHED BY THE WESTERN WOODS PRODUCTS ASSOCIATION.

WOOD FRAMING 2 INCHES X 4 INCHES AND LARGER SHALL BE NO. 2 SOUTHERN PINE, NO. 2 DOUGLAS FIR LARCH,

WOOD COLUMNS 6 INCHES X 6 INCHES AND LARGER SHALL BE NO. 1 SOUTHERN PINE, NO. 1 DOUGLAS FIR LARCH,

4. ALL EXPOSED WOOD RAFTERS AND COLUMNS SHALL BE "SELECT" GRADE AS DESCRIBED IN AITC. ALL PLATES IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED (USE CATEGORY 2 AS SPECIFIED BY AWPA) FOR MOISTURE PROTECTION. ALL WOOD EXPOSED TO WEATHER SHALL BE PRESSURE

TREATED (USE CATEGORY 3B AS SPECIFIED BY AWPA) OR WESTERN RED CEDAR. GLUED-LAMINATED MEMBERS SHALL BE INDUSTRIAL APPEARANCE, E1.8, WITH GRADES AND SPECIES AS FOLLOWS, U.N.O. MEMBER SIZES BASED ON CURRENT NDS WESTERN SPECIES

· SIMPLY SUPPORTED SPAN MEMBERS: <u>SPECIES</u> <u>GRADE</u> DOUGLAS FIR 24F-V4 SOUTHERN PINE 24F-V3 · MULTI SPAN MEMBERS: **SPECIES** <u>GRADE</u> DOUGLAS FIR 24F-V8 SOUTHERN PINE 24F-V8 ROOF DECK:

A. SEE SHEET S-103 FOR ROOF SHEATHING REQUIREMENTS

B. STAGGER ENDS OF SHEETS

8. WALL SHEATHING

PROVIDE BLOCKING AT EDGES OF ALL ROOF SHEETS. PLYWOOD CLIPS MAY BE USED AT ROOF INSTEAD OF BLOCKING, UNLESS BLOCKING REQUIRED FOR NAILING.

E. NAIL EDGES OF ROOF SHEETS AT 6 IN. O.C. MAXIMUM (U.N.O.).

F. NAIL FACES OF ROOF SHEETS AT 12 IN. O.C. MAXIMUM. G. USE MINIMUM 10D COMMON NAILS (U.N.O.).

A. ALL WALL SHEATHING SHALL BE APA RATED STRUCTURAL I GRADE PLYWOOD OR OSB (ORIENTED STRAND BOAR.

B. WALL SHEATHING SHALL BE 15 32 INCH THICK MINIMUM (32/16) U.N.O. C. STAGGER ENDS OF SHEETS.

D. PROVIDE BLOCKING AT EDGES OF ALL SHEARWALL SHEETS. E. NAIL EDGES OF SHEARWALL SHEETS PER SCHEDULE ON PLAN (OTHER WALLS AT 6 IN. O.C. MAXIMUM).

G. USE MINIMUM 8D COMMON NAILS (U.N.O.)

CONNECTORS SHALL BE AS MANUFACTURED BY THE SIMPSON CO. OR APPROVED EQUAL. CONNECTORS USED WITH PRESSURE TREATED LUMBER OR IN UNCONDITIONED SPACE, SHALL HAVE THE ZMAX (6185) COATING.

11. NAILING, UNLESS NOTED OTHERWISE, SHALL BE PER THE 2012 INTERNATIONAL BUILDING CODE. 12. ANCHOR BOLTS SHALL BE ASTM F1554, TYPICAL U.N.O.

F. NAIL FACES OF WALL SHEETS AT 12 IN. O.C. MAXIMUM.

QUALITY ASSURANCE AND SPECIAL INSPECTIONS

FOR QUALITY ASSURANCE PROGRAM SEE IBC SECTION 1705 THROUGH 1707.

STRUCTURAL OBSERVATIONS BY THE ENGINEER OF RECORD SHALL BE REQUIRED AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM. SITE VISIT REPORTS NOTING SATISFACTION IN CONSTRUCTION SHALL BE PROVIDED BY THE SEOR. STRUCTURAL OBSERVATION INCLUDES VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY IBC SECTIONS 110, 1705, OR OTHER SECTIONS OF THE IBC.

THE CONTRACTOR AND SPECIAL INSPECTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY ITEM NOT COMPLYING WITH THE PROJECT SPECIFICATIONS AND/OR APPLICABLE CODES BEFORE PROCEEDING WITH ANY WORK INVOLVING THAT ITEM. THE ENGINEER OF RECORD WILL REVIEW THE ITEM AND DETERMINE ACCEPTABILITY. IF WORK INVOLVING THAT ITEM PROCEEDS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD THEN THE WORK WILL BE CONSIDERED NON-COMPLIANT.

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION AND TESTING PER IBC SECTION 1705. THIS WORK SHALL BE PERFORMED BY A SPECIAL INSPECTOR CERTIFIED BY THE AUTHORITY HAVING JURISDICTION TO PERFORM THE TYPES OF INSPECTIONS AND TESTS SPECIFIED. THE FREQUENCY OF INSPECTIONS AND TESTING SHALL BE AS OUTLINED IN THE IBC TABLE ITEMS LISTED BELOW. DEFICIENCIES SHALL BE REPORTED DAILY TO THE CONTRACTOR. SUMMARY REPORTS SHALL BE DISTRIBUTED WEEKLY TO THE OWNER, ARCHITECT, CONTRACTOR, BUILDING OFFICIAL, AND STRUCTURAL ENGINEER. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTION.

ITEM	1	SECTION
INSP	ECTION OF FABRICATORS	
•	VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	1704.2
STEE	EL CONSTRUCTION	
•	FIELD WELDING	1705.2
•	DETAILS	1705.2
•	HIGH-STRENGTH BOLTS	1705.2
CON	CRETE CONSTRUCTION	
•	REINFORCING STEEL INSTALLATION	TABLE 1705.3
•	CAST-IN-PLACE ANCHOR BOLTS	TABLE 1705.3
•	VERIFY DESIGN MIX	TABLE 1705.3
•	FRESH CONCRETE SAMPLING	TABLE 1705.3
•	CONCRETE PLACEMENT	TABLE 1705.3
•	CONCRETE CURING OPERATIONS	TABLE 1705.3
•	EVALUATION OF CONCRETE STRENGTH	TABLE 1705.3
MAS	ONRY CONSTRUCTION	
•	VERIFY PROPORTIONS OF SITE PREPARED MORTAR AND GROUT	1705.4
•	VERIFY CONSTRUCTION OF MARTAR JOINTS	1705.4
•	VERIFY LOCATION OF REINFORCEMENT AND CONNECTORS	1705.4
•	VERIFY SIZE AND LOCATION OF STRUCTURAL MASONRY ELEMENTS	1705.4
•	VERIFY TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING DETAILS OF ANCHORAGE OF	1705.4
	MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION	
•	VERIFY SIZE, GRADE, AND TYPE OF REINFORCEMENT	1705.4
•	VERIFY PROTECTION OF MASONRY DURING HOT/COLD WEATHER	1705.4
•	VERIFY GROUT SPACE IS CLEAN PRIOR TO GROUTING	1705.4
•	VERIFY GROUT PLACEMENT COMPLIES WITH CODE AND CONSTRUCTION DOCUMENT	1705.4
	PROVISIONS	
•	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS.	1705.4
SOIL	S	
•	VERIFY MATERIALS BELOW ARE ADEQUATE TO ACHIEVE DESIGN BEARING CAPACITY	TABLE 1705.6
•	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER	TABLE 1705.6
	MATERIAL	
•	PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	TABLE 1705.6
•	VERIFY SITE PREPARATION WITH SOILS REPORT	TABLE 1705.6
•	VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURING PLACEMENT	TABLE 1705.6
	AND COMPATION OF CONTROLLED FILL	
COLI	D -FORMED STEEL FRAMING	
•	PERIODIC INSPECTION DURING WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC-	1705.12.3
	FORCE-RESISTING SYSTEM	
•	PERIODIC INSPECTIONS FOR SCREW ATTACHMENT, BOLTING, ANCHORING, AND OTHER	1705.12.3

FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM

ASCE 7-10 / ULTIMATE COMPONENT AND CLADDING ROOF PRESSURES

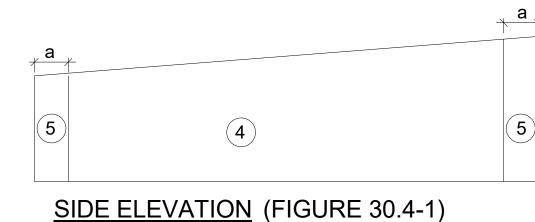
ZONE	EFFECTIVE WIND AREA	+GCP	-GCP	ULTIMATE	WP (PSF)	NOMINA	AL WP (PSF)
1	<=10 sf	0.30	-1.10	16	-35.0	9.6	-21.0
1	25 sf	0.26	-1.10	16	-35.0	9.6	-21.0
1	50 sf	0.23	-1.10	16	-35.0	9.6	-21.0
1	>100 sf	0.2	-1.10	16	-35.0	9.6	-21.0
2	<=10 sf	0.3	-1.30	16	-40.5	9.6	-24.3
2	25 sf	0.26	-1.27	16	-39.6	9.6	-23.8
2	50 sf	0.23	-1.24	16	-38.8	9.6	-23.3
2	>100 sf	0.2	-1.20	16	-37.7	9.6	-22.6
2'	<=10 sf	0.3	-1.60	16	-48.7	9.6	-29.2
2'	25 sf	0.26	-1.57	16	-47.8	9.6	-28.7
2'	50 sf	0.23	-1.54	16	-47.0	9.6	-28.2
2'	>100 sf	0.2	-1.50	16	-45.9	9.6	-27.6
3	<=10 sf	0.3	-1.80	16	-54.1	9.6	-32.5
3	25 sf	0.26	-1.60	16	-48.7	9.6	-29.2
3	50 sf	0.23	-1.40	16	-43.2	9.6	-25.9
3	>100 sf	0.2	-1.20	16	-37.7	9.6	-22.6
3'	<=10 sf	0.3	-2.60	16	-76.0	9.6	-45.6
3'	25 sf	0.26	-2.30	16	-67.8	9.6	-40.7
3'	50 sf	0.23	-1.90	16	-56.9	9.6	-34.1
3'	>100 sf	0.2	-1.60	16	-48.7	9.6	-29.2

ASCE 7-10 / ULTIMATE COMPONENT AND CLADDING ROOF PRESSURES

ZONE	EFFECTIVE WIND AREA	+GCP	-GCP	ULTIMATE	WP (PSF)	NOMINA	L WP (PSF
4	<=10 sf	0.9	-0.99	29.6	-32.1	17.8	-19.3
4	50 sf	0.79	-0.88	26.5	-29.0	15.9	-17.4
4	200 sf	0.69	-0.78	23.9	-26.4	14.4	-15.9
4	>500 sf	0.63	-0.72	22.2	-24.7	13.3	-14.9
5	<=10 sf	0.9	-1.26	29.6	-39.5	17.8	-23.7
5	50 sf	0.79	-1.04	26.5	-33.4	15.9	-20.0
5	200 sf	0.69	-0.85	23.9	-28.1	14.4	-16.9
5	>500 sf	0.63	-0.72	22.2	-24.7	13.3	-14.9



PLAN VIEW (FIGURE 30.4-5A)



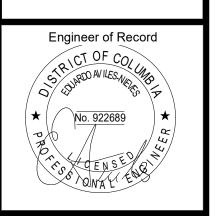
MONO SLOPED ROO

HE GENERAL CONTRACTOR SHALL PROVIDE SHORING FOR EXISTING ROOF FRAMING MEMBERS AND C.M.U. WALLS PRIOR TO REMOVAL OF EXISTING SUPPORTS AND CUTTING OF JOIST, SHORING SHALL REMAIN IN PLACE UNTIL ALL

NEW STRUCTURAL SUPPORTS ARE INSTALLED.

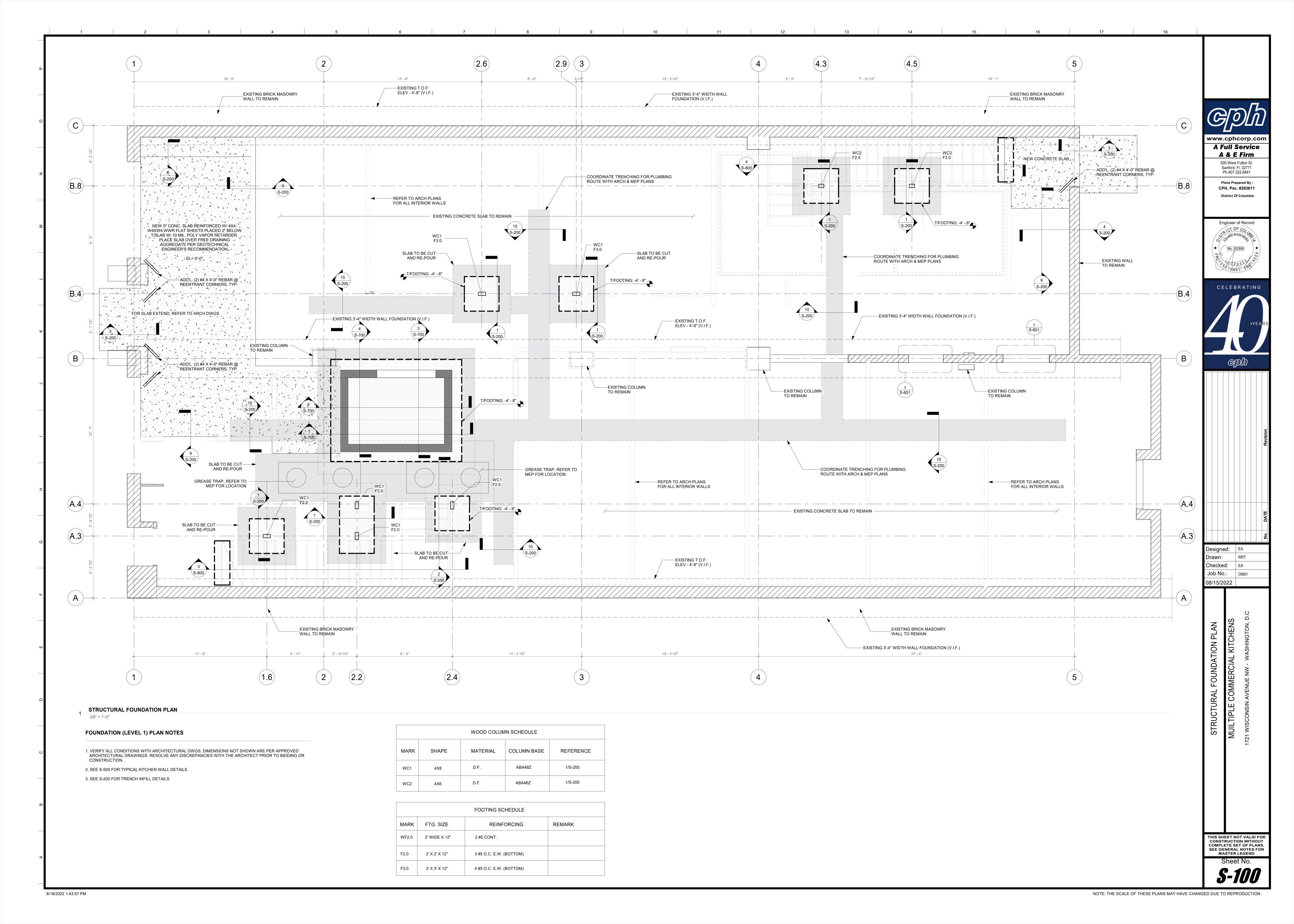
HE GENERAL CONTRACTOR SHALL FIELD VERIFY LOCATIONS, DIMENSIONS, ELEVATIONS AND CONDITION OF ALL PERTINENT EXISTING STRUCTURAL MEMBERS, (CONCEALED AND EXPOSED)PRIOR TO FABRICATION AND CONSTRUCTION. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD OF ANY DISCREPANCIES A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO CONSTRUCTION. TO ALLOW FOR MODIFICATION OF DESIGN PER UNFORESEEN FIELD CONDITIONS

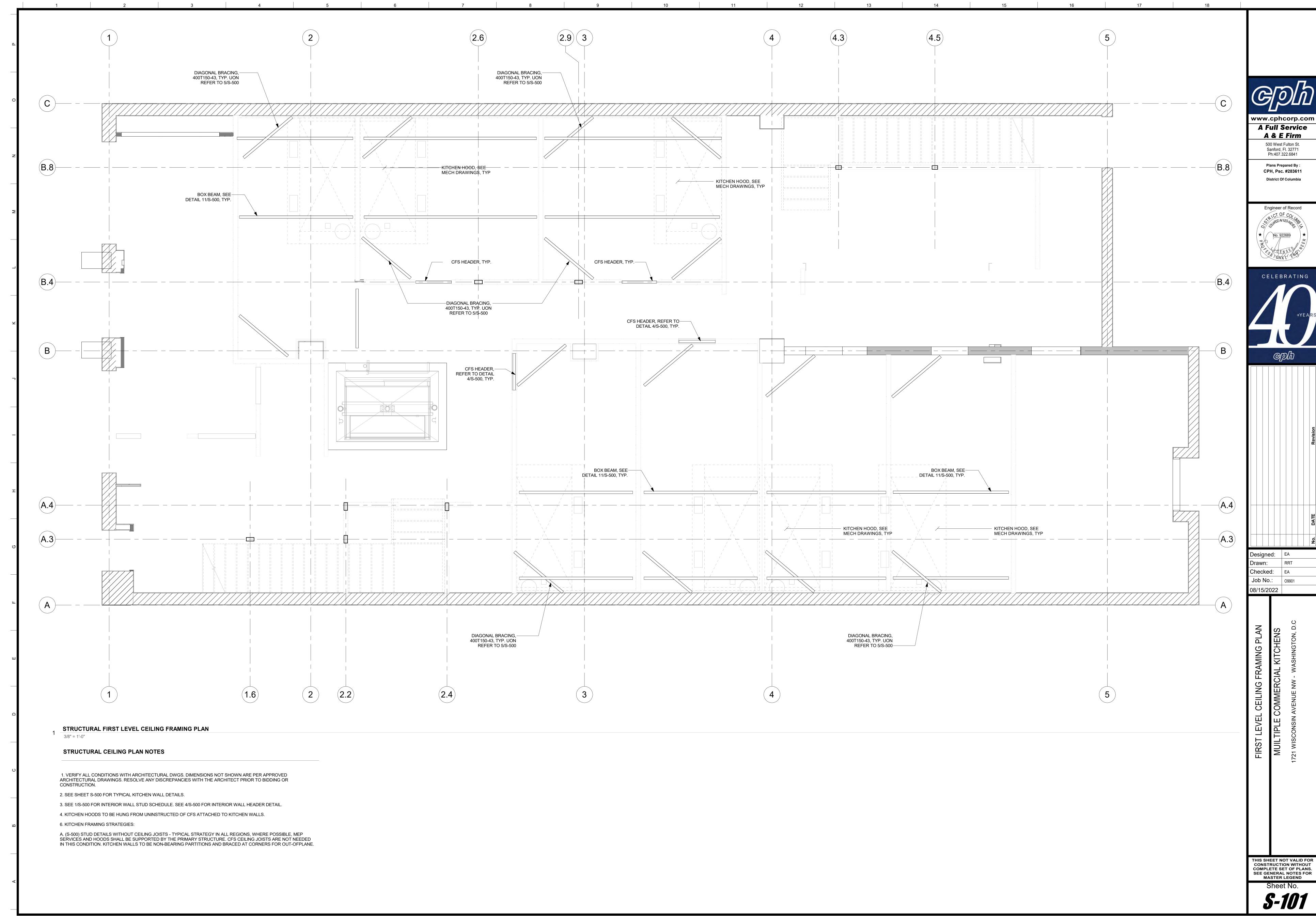




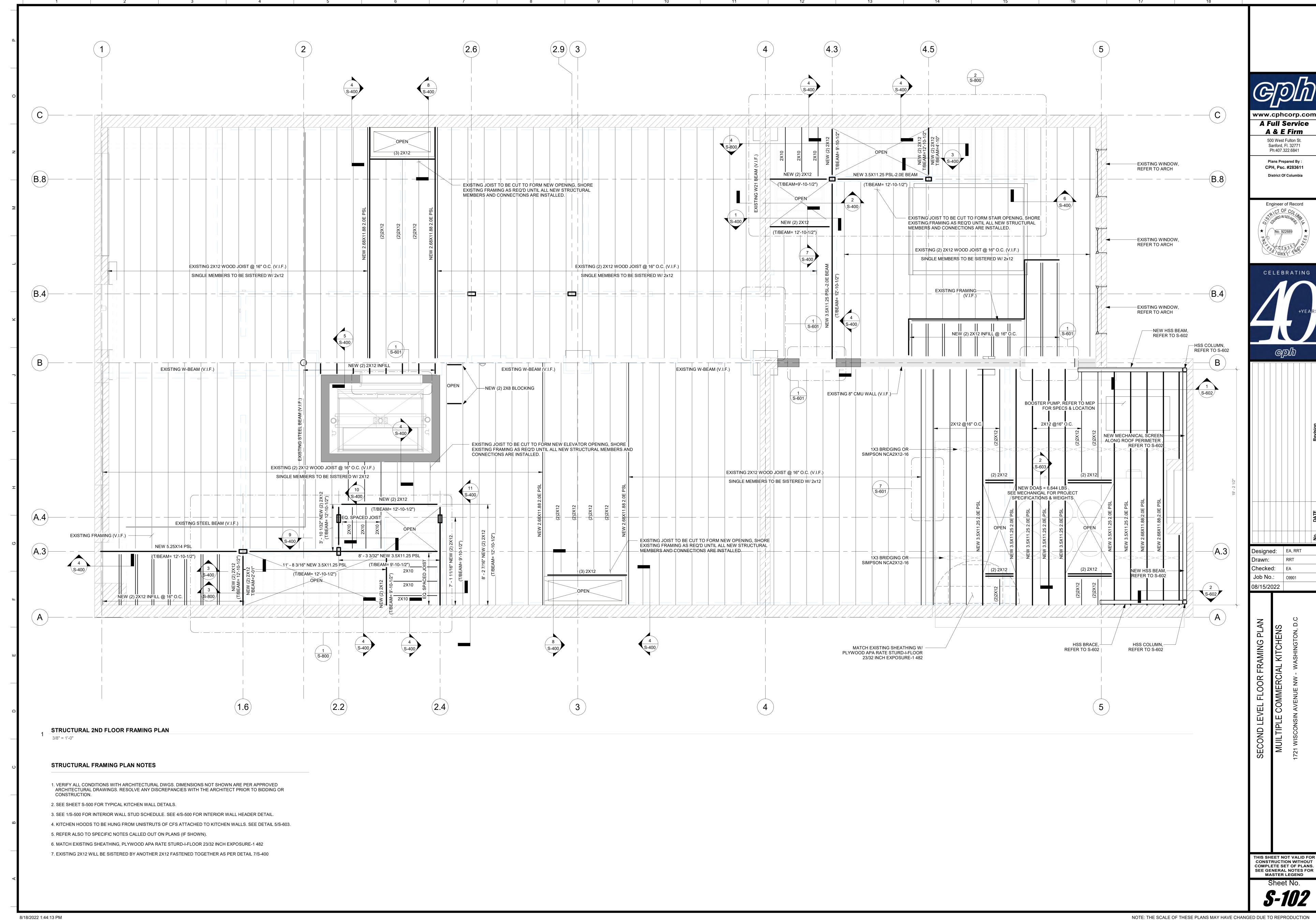


Jesigned: | EA, RRT Drawn: Checked: Job No.: 8/15/2022

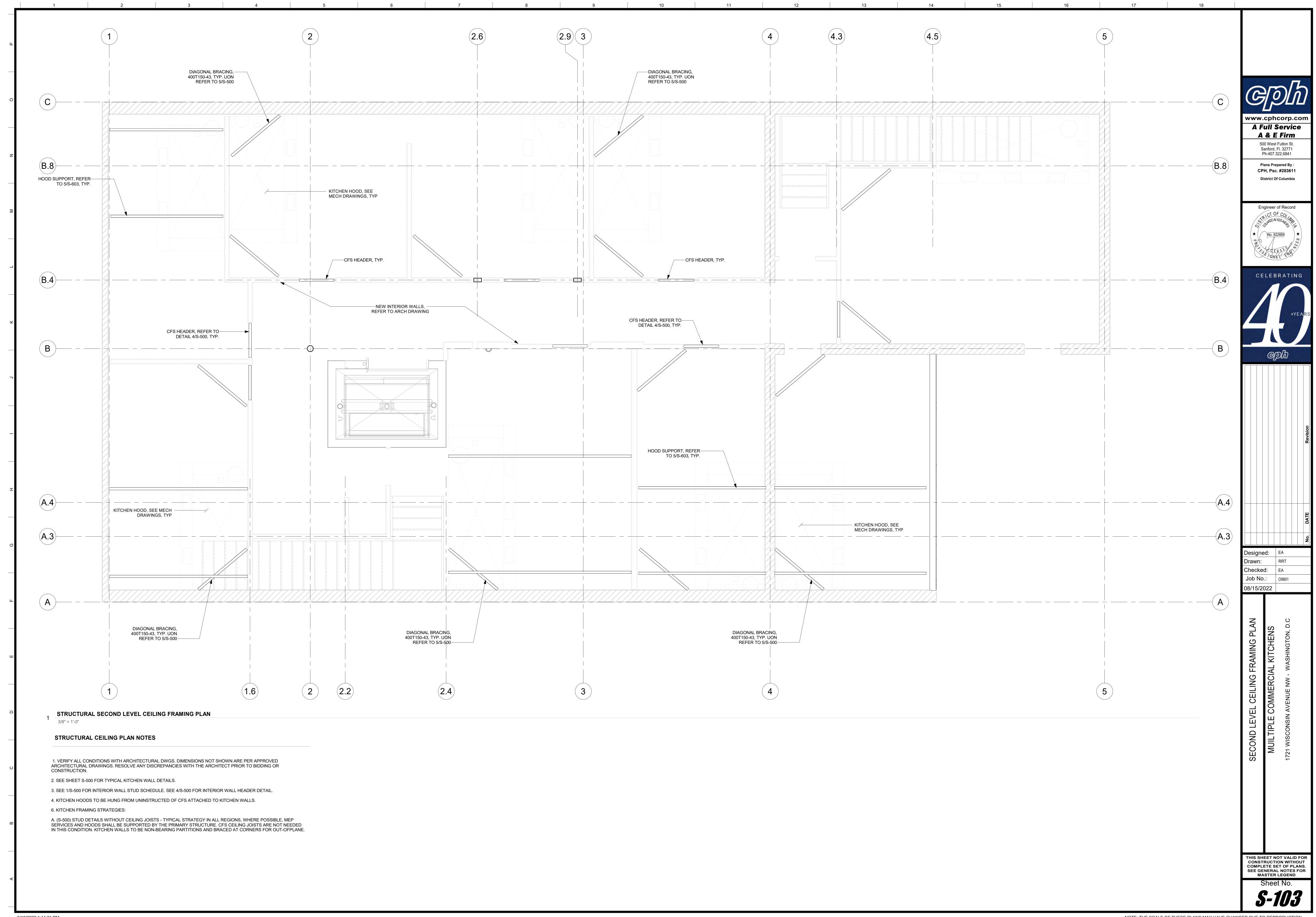


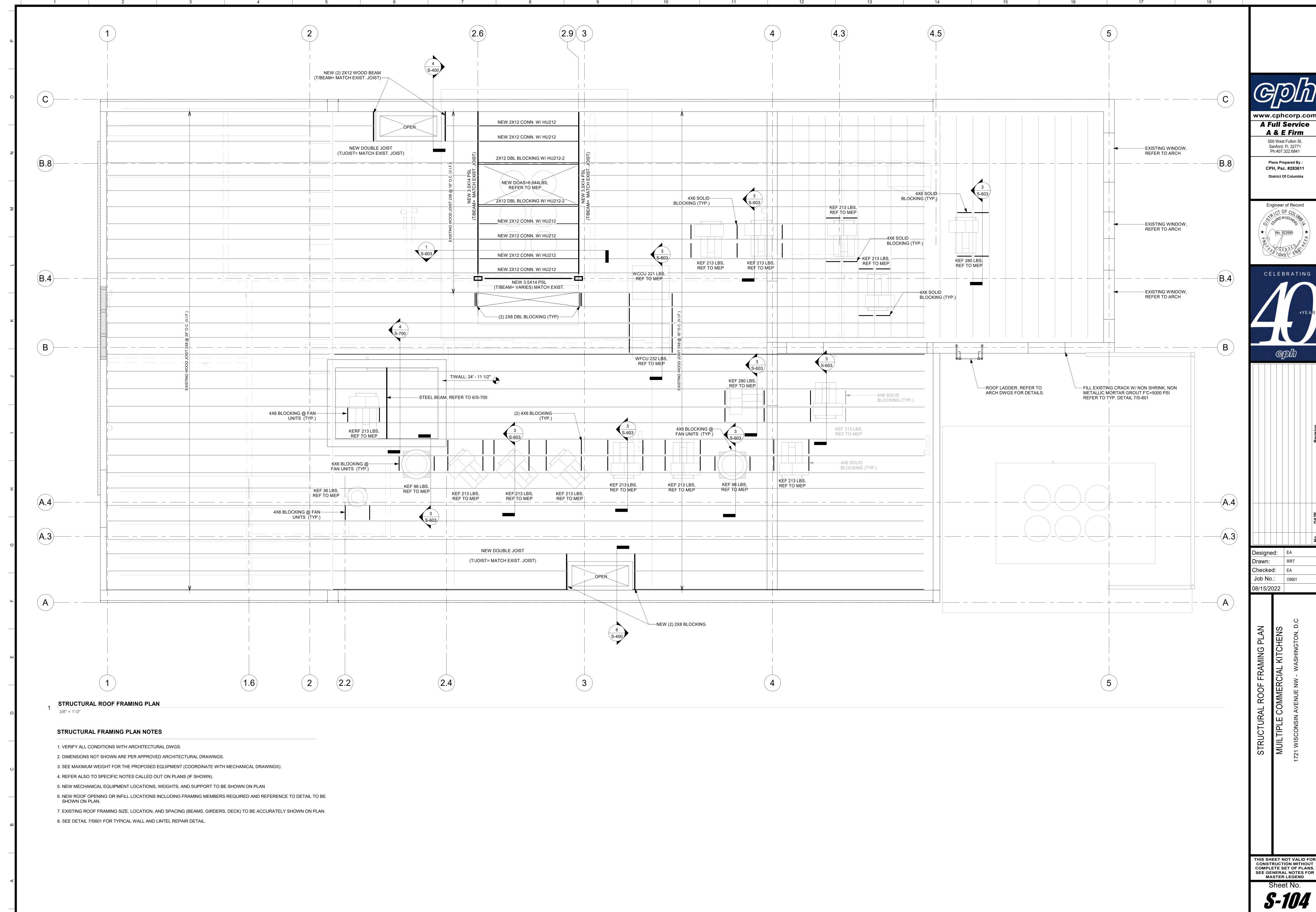


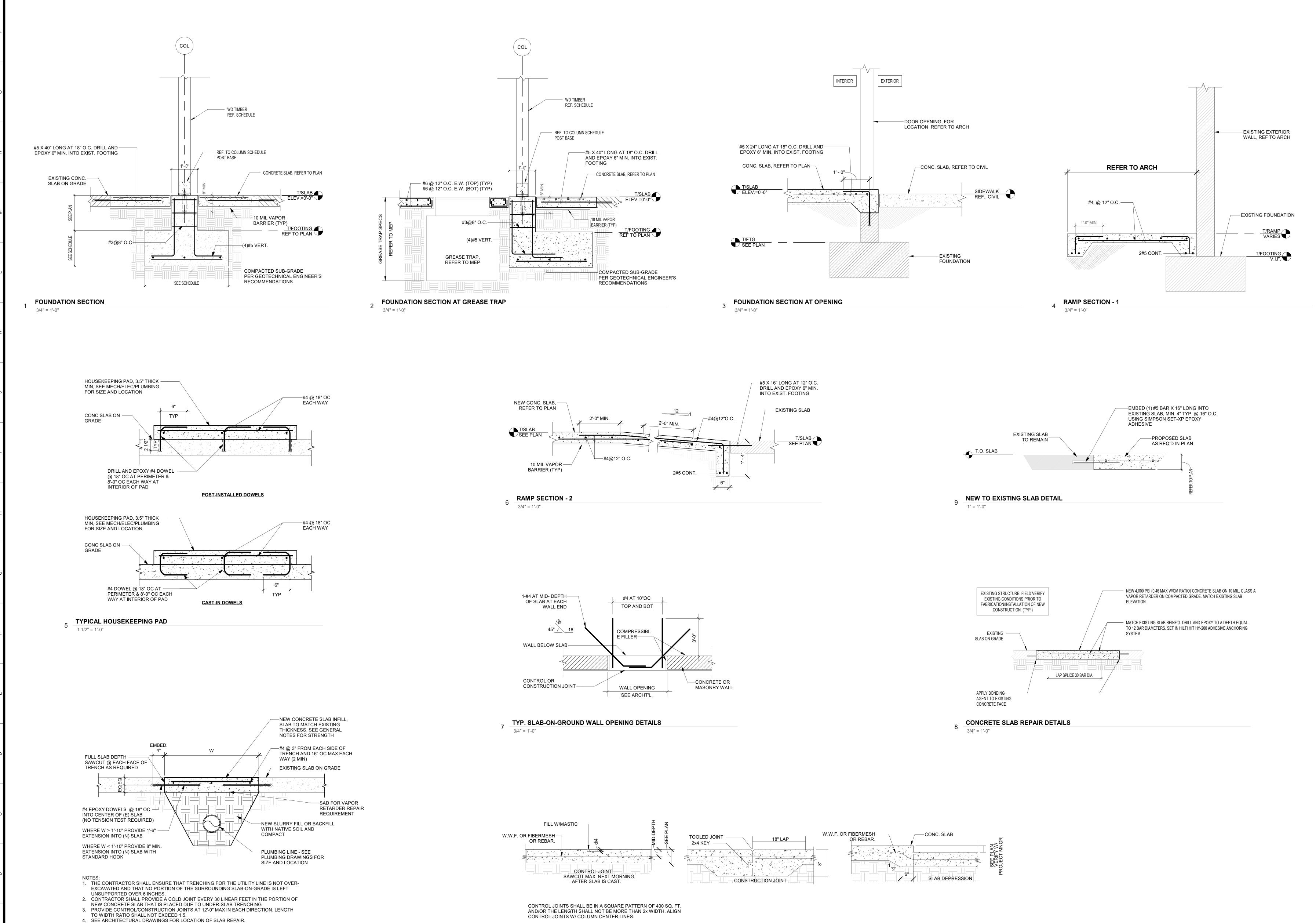
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NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION







SLAB ON GRADE DETAIL

3/4" = 1'-0"

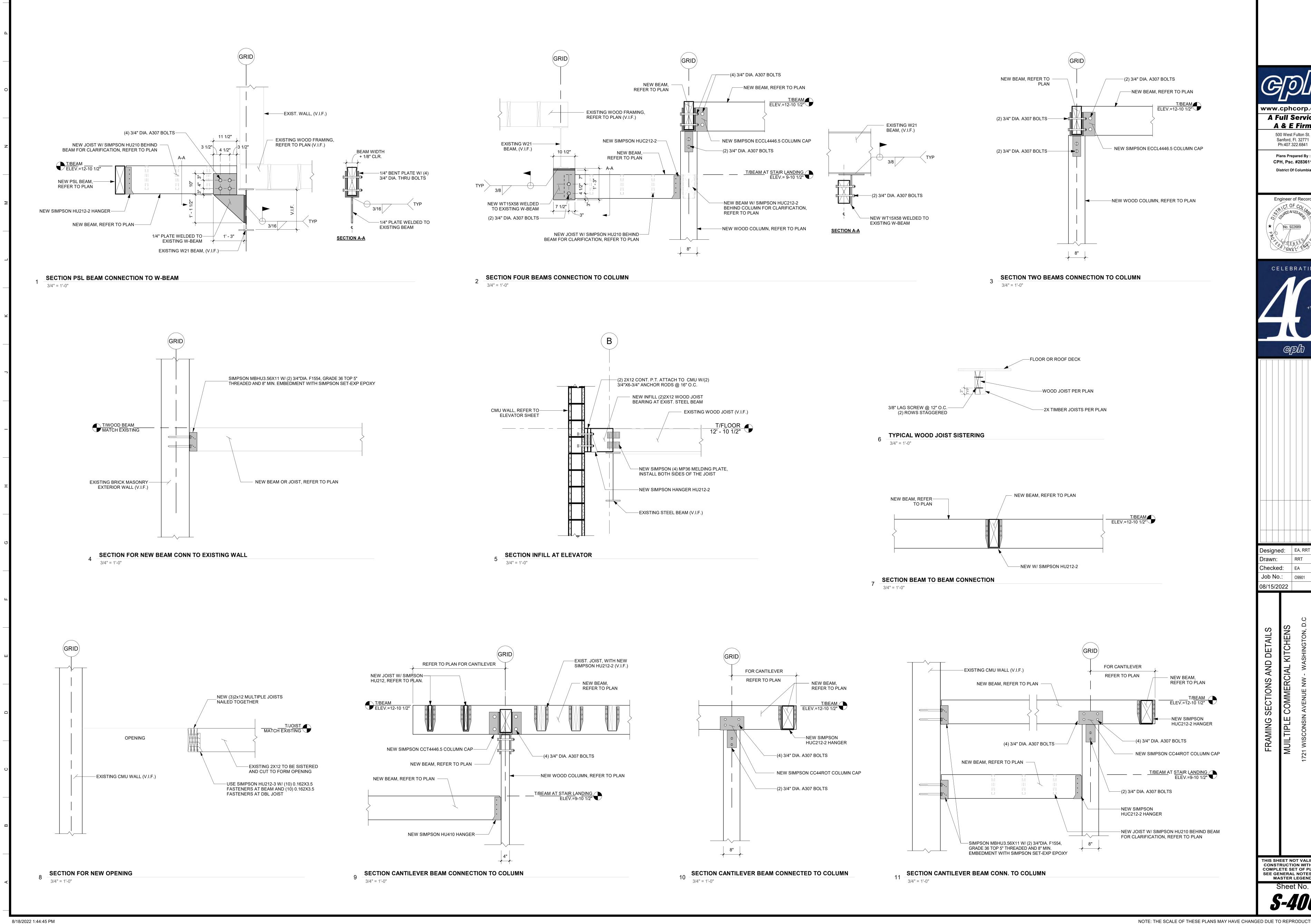
A & E Firm 500 West Fulton St. Sanford, Fl. 32771 Ph:407.322.6841 Plans Prepared By: CPH, Psc. #283611 **District Of Columbia** Engineer of Record Designed: EA Drawn: RRT Checked: EA Job No.: 08/15/2022 FOUNDATION SECTIONS & DETAILS

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CELEBRATING

THIS SHEET NOT VALID FOR **CONSTRUCTION WITHOUT** COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND Sheet No.

TYPICAL TRENCH SLAB INFILL



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CELEBRATING



Designed: EA, RRT

METAL STUD WALL SCHEDULE

WALL USAGE	MAX STUD HEIGHT	STUD SIZE ¹	MIN STUD SHAPE⁴	MAX STUD SPACING	MIN TOP/BOT TRACK
KITCHEN WALLS + CEILING JOISTS	12'-0"	3-5/8"	362S162-43 (18 GA.)	24" OC	362T150-43
KITCHEN WALLS (W/O CEILING JOISTS)	10'-0"	3-5/8"	362S162-33 (20 GA.)	24" OC	362T150-33
NON-KITCHEN WALLS	12'-0"	3-5/8"	362S162-33 (20 GA.)	24" OC	362T150-33
NON-KITCHEN FURRING WALLS	12'-0"	3-5/8"	362S162-33 (20 GA.)	24" OC	362T150-33

1. REFER TO ARCHITECTURE DRAWING FOR WALL LOCATION, THICKNESS AND HEIGHTS. 2. PROVIDE MIN (1) LAYER OF 5/8" THK GYPSUM W/#8 SMS @ 12" OC AT EACH SIDE OF THE KITCHEN WALL.

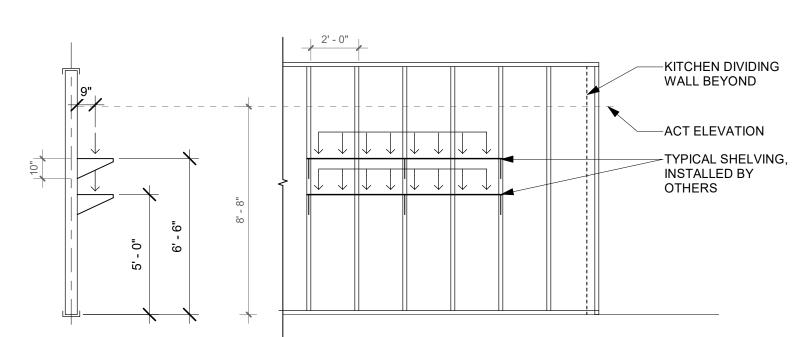
MID-SPAN STUD BRIDGING REQUIRED ONLY WHERE GYPSUM IS NOT PROVIDED ON BOTH SIDES. GYPSUM SHEATHING SHALL BE INSTALLED PRIOR TO LOADING THE STUD WALLS. 3. LOCATE SHELVING SUPPORT AT STUD FLANGE OR PROVIDE BACKING STUD ENGAGING MIN TWO STUDS AT SHELVING SUPPORT LOCATIONS.

4. STUD YIELD STRENGTH: A. FOR 43 MIL (18 GA.) AND LIGHTER, MIN Fy = 33KSI.

B. FOR 54 MIL (16 GA.) AND HEAVIER, MIN Fy = 50KSI. 5. WHERE CEILING JOISTS APPEAR, WALL STUD SHOULD ALIGN WITH CENTERLINE OF THE JOIST TO PROVIDE

6. PROVIDE BACK TO BACK STUD FOR WALL STUDS SUPPORTING CEILING MECHANICAL UNITS.

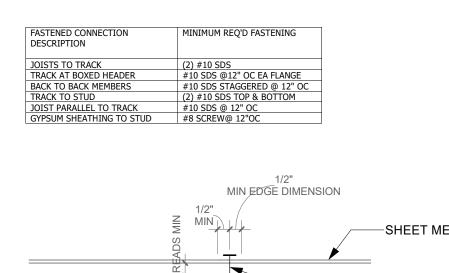
TYPICAL STUD FRAMING SCHEDULE

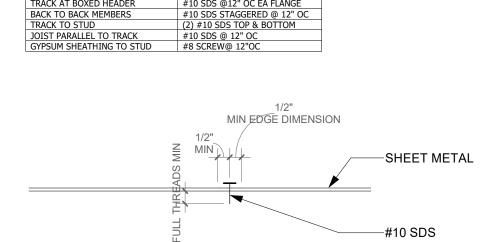


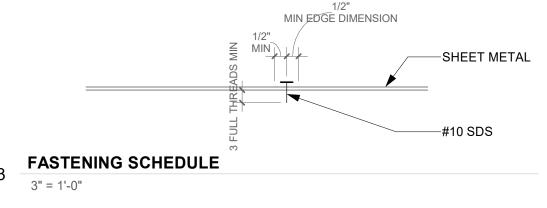
= 140LBS AT SHELF BRACKET LOCATION (EQUIVALENT TO 35PLF OF A 4FT SHELF AT A STUD SUPPORTING TWO SHELVES END-TO-END)

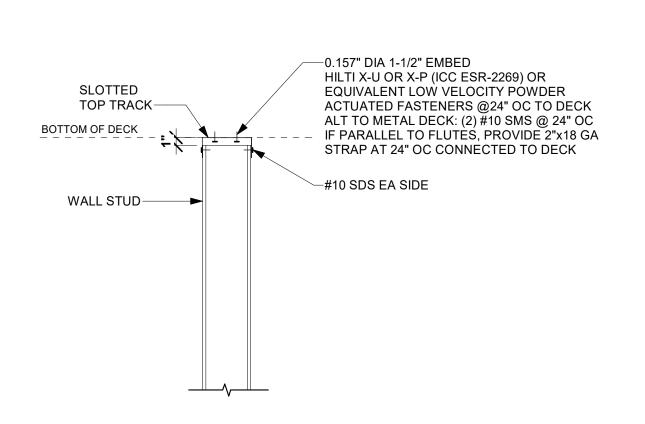
TYPICAL KITCHEN SHELVING LOAD -SEE HEADER DETAIL KITCHEN DIVIDING WALL BEYOND EDGE WALL BEYOND -DOUBLE STUDS AT DOOR JAMB DOOR OPENING TYPICAL KITCHEN WALL FRAMING

1/4" = 1'-0"











UNISTRUT ACROSS

CORRIDOR FOR LIGHT

(2) #10 SMS-

(2) #10 SMS-

WALL TOP TRACK—

UNISTRUT ACROSS

LIGHT FIXTURE AND

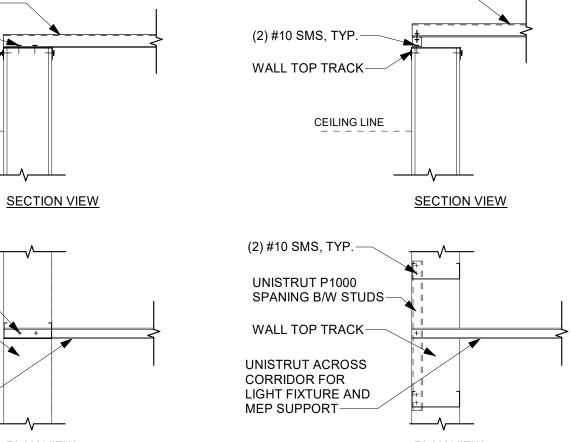
MEP SUPPORT——

CORRIDOR FOR

FIXTURE AND MEP SUPPORT-

WALL TOP TRACK-

CEILING LINE



UNISTRUT ACROSS

CORRIDOR FOR LIGHT

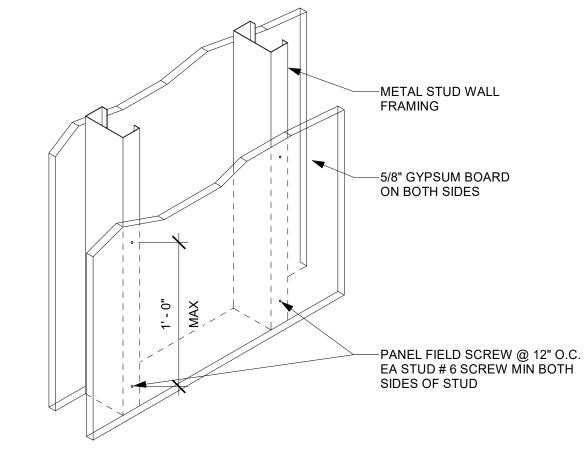
FIXTURE AND MEP SUPPORT-

PLAN VIEW OPTION A - UNISTRUT ALIGN W/ STUD OPTION B - UNISTRUT NOT ALIGN W/ STUD TYPICAL UNISTRUT TO WALL DETAIL (W/O CEILING JOISTS)

PROVIDE 3" UTILITY CLIP (SIMPSON L30 OR PROVIDE 3" UTILITY CLIP (SIMPSON L30 PROVIDE 3" UTILITY CLIP (SIMPSON L30 OR EQUAL) AT BOT, TO CONNECT EQUAL) AT TOP & BOT, AND 5" UTILITY CLIP OR EQUAL) AT TOP & BOT, TO CONNECT HEADER TO JAMB STUDS. HEADER TO JAMB STUDS. (SIMPSON L50 OR EQUAL) AT (2) SIDES, TO CONNECT HEADER TO JAMB STUDS. ←WALL STUDS -(2) TRACK —(2) BOT TRACK -WALL STUDS —#10 SDS −#10 SDS -(2) #10 SDS @ 24" OC -(2) #10 SDS @ 24" OC -(2) #10 SDS @ 24" OC TRACK MATCH WALL ─600S162-43 STUD ─STUD MATCH WALL **NON-LOAD BEARING WALL OPENING 3'-0"< L ≤ 4'-0"** WALL OPENING 4'-0" < L <= 10'-0" WALL OPENING L ≤ 3'-0"



1" = 1'-0"



1. PROVIDE BLOCKING IF SHEATHING IS NOT PRESENT ON BOTH SIDES OF STUD TYP STUD BLOCKING DETAIL

1 1/2" = 1'-0"

TYPICAL BOTTOM TRACK DETAIL

HOOD SUPPORT (ALL REGIONS W/O CEILING JOISTS)

CORRIDOR UNISTRUT SCHEDULE MAX POINT LOAD (LBS) - ASSUMED MIDSPAN

P1000

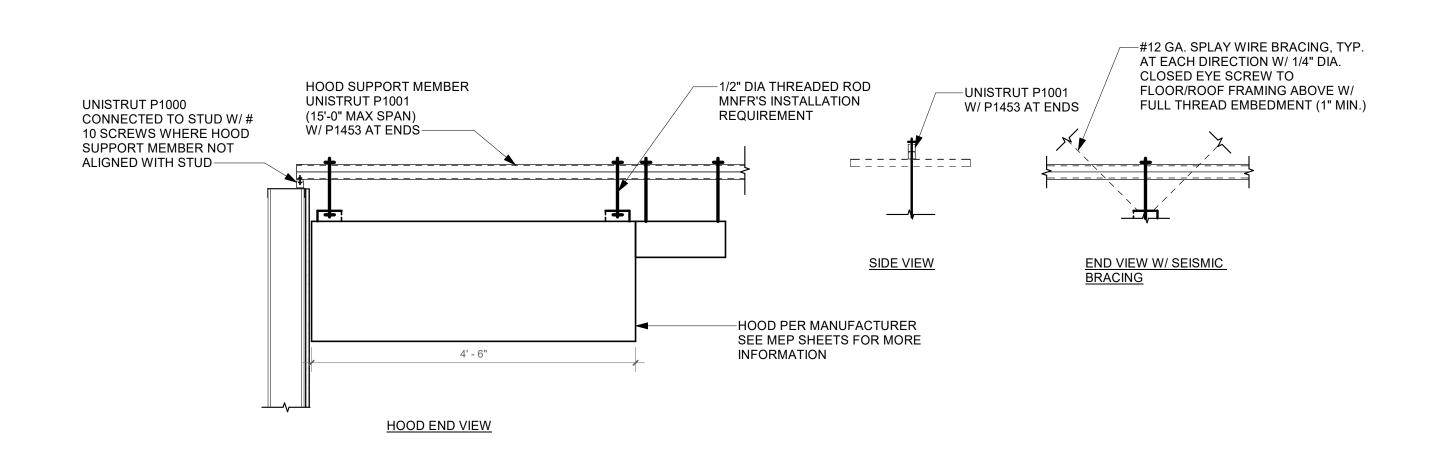
P9000

P3001

P1001

P3001

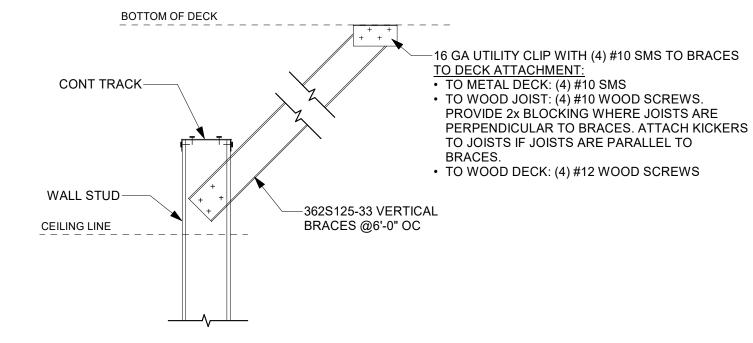
	•					
	MAX SPAN (FT)					
6'-0"	8'-0"	10'-0"	12'-0"			
186	127	-	1			
286	215	172	143			
484	336	251	194			
630	432	317	237			
484	336	251	194			



(3) #10 SMS--(3) #10 SMS-WALL STUD HORIZONTAL DIAGONAL KICKERS— PER PLAN—— CONT TRACK-TOP TRACK-HORIZONTAL CEILING LINE KICKER SIZE TO MATCH TOP TRACK-**SECTION VIEW** PLAN VIEW

IF CONFLICT WITH CEILING JOISTS, FLIP TRACK FACE DOWN AND CUT FLANGE

TYPICAL WALL TOP BRACE - HORIZONTAL DIAGONAL (W/O CEILING JOISTS)



1. INTERIOR STUD VERTICAL DIAGONAL BRACING ONLY REQUIRED AT LOCATION WHERE HORIZONTAL DIAGONAL BRACING CANNOT BE USED. 2. DIAGONAL BRACES SHALL MAINTAIN A 45 DEGREE ANGLE (+/- 10 DEGREES).

> —#10 SDS @ 12"OC STUD TO STUD

> > TYP STUD

TYPICAL WALL TOP BRACE (ALT) - VERTICAL DIAGONAL

TYPICAL CORNER



#10 SDS @ 12"OC ~ STUD TO STUD

TYPICAL INTERSECTION

TYPICAL WALL STUD AT INTERSECTION

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Plans Prepared By: CPH, Psc. #283611

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Designed: EA

Checked: EA

Drawn:

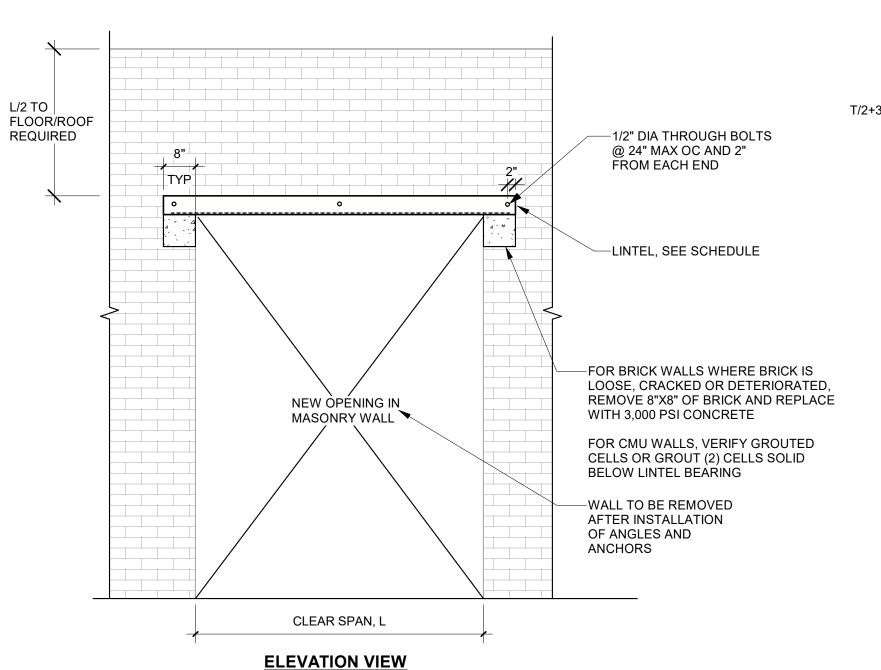
Job No.:

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DET,

AND INTERIOR

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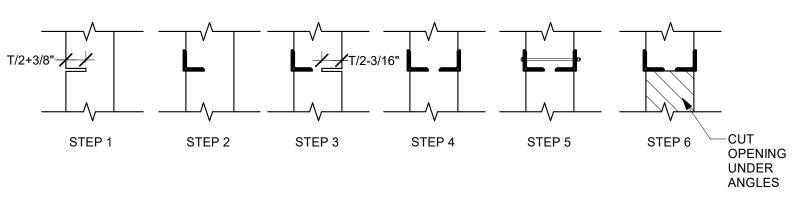
NEW OPENING IN MASONRY WALL REINFORCEMENT

1/2" = 1'-0"

MASONRY WALL WITH NEW CMU INFILL

1/2" = 1'-0"

CMU CORNER DETAILS

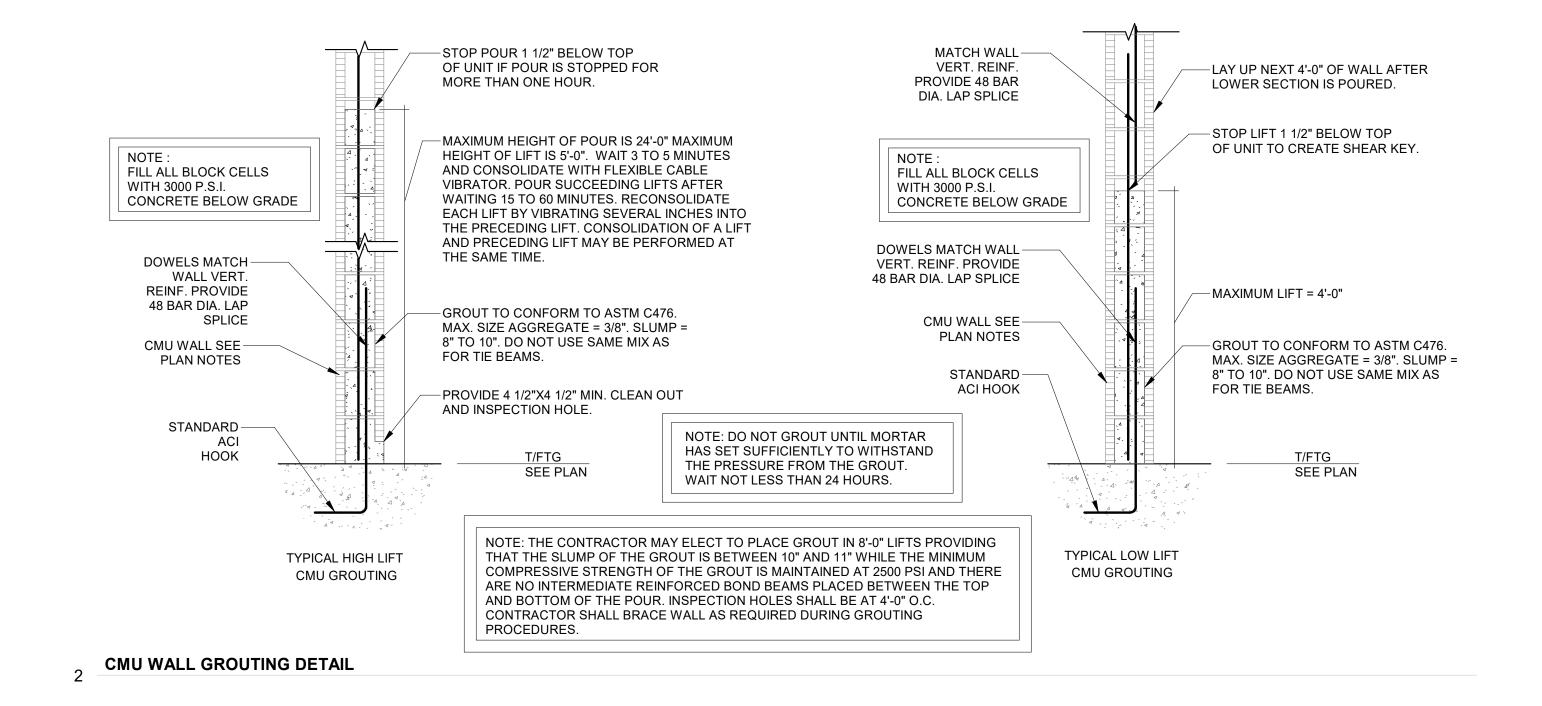


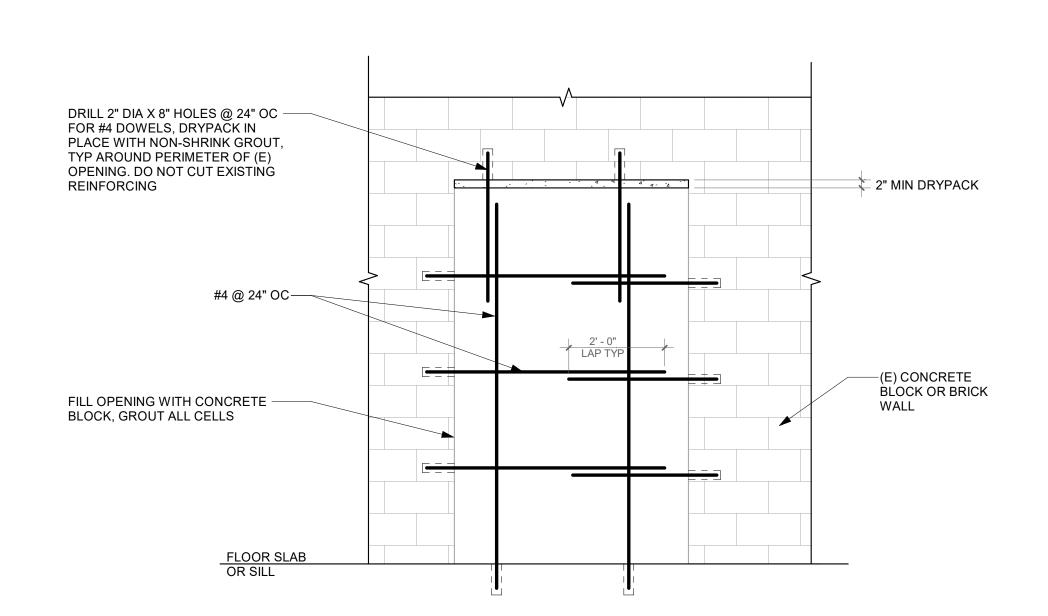
SEQUENCE OF LINTEL INSTALLATION

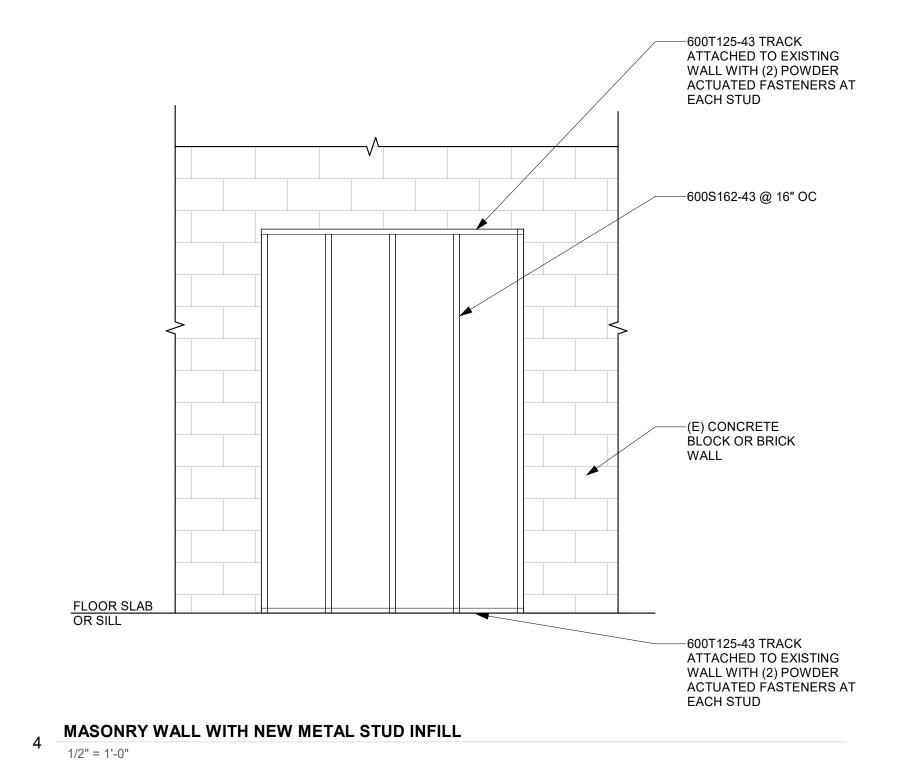
	WALL		DETAIL		
	THICKNESS (T)	UP TO 4'-0"	> 4'-0" TO 6'-0"	> 6'-0" TO 8'-0"	DETAIL
	6"	(2) L3.5X2.5X1/4	(2) L3.5X2.5X5/16	(2) L3.5X2.5X3/8	L LLV
	8"	(2) L5X3.5X5/16	(2) L5X3.5X3/8	(2) L5X3.5X1/2	L_ LLV
	10"	(1) L4X3X5/16 + (1) L5X3X5/16	(1) L4X4X3/8 + (1) L5X3X3/8	(1) L4X4X7/16 + (1) L5X3.5X7/16	LJ 4 & 5 LEGS HORZ
	12"	(2) L5X5X5/16	(2) L5X5X5/16	(2) L5X5X7/16	

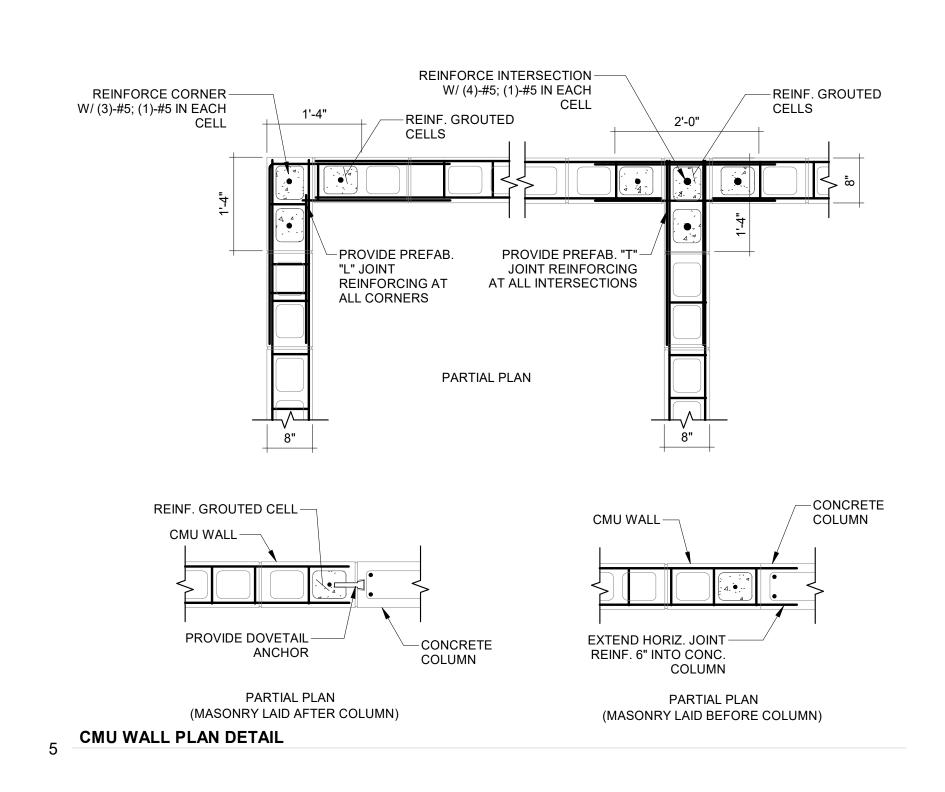
LINTEL SCHEDULE

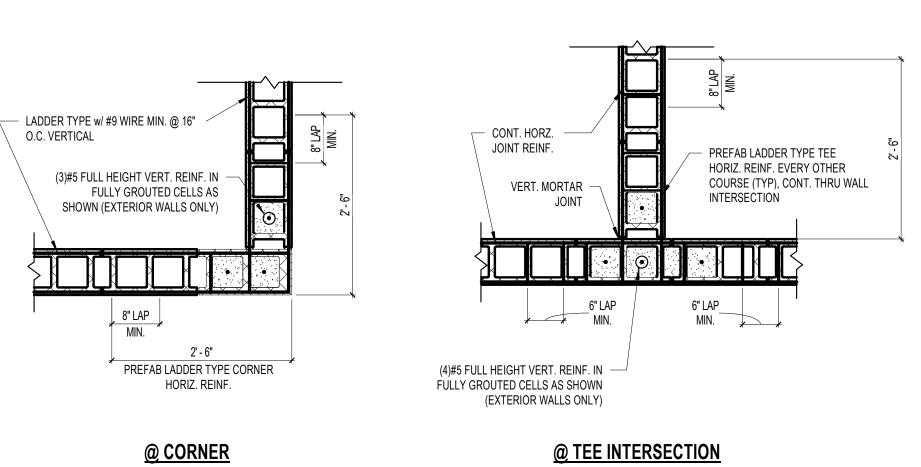
1. GROUT ALL EXISTING CRACKS AROUND LINTEL.



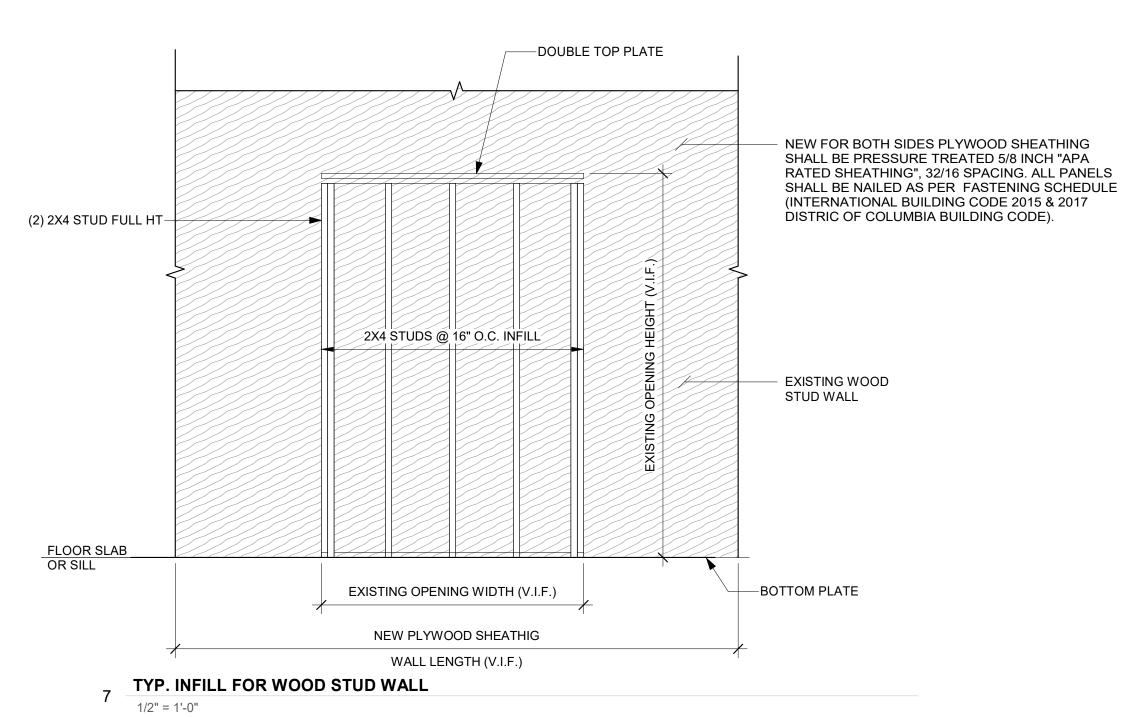


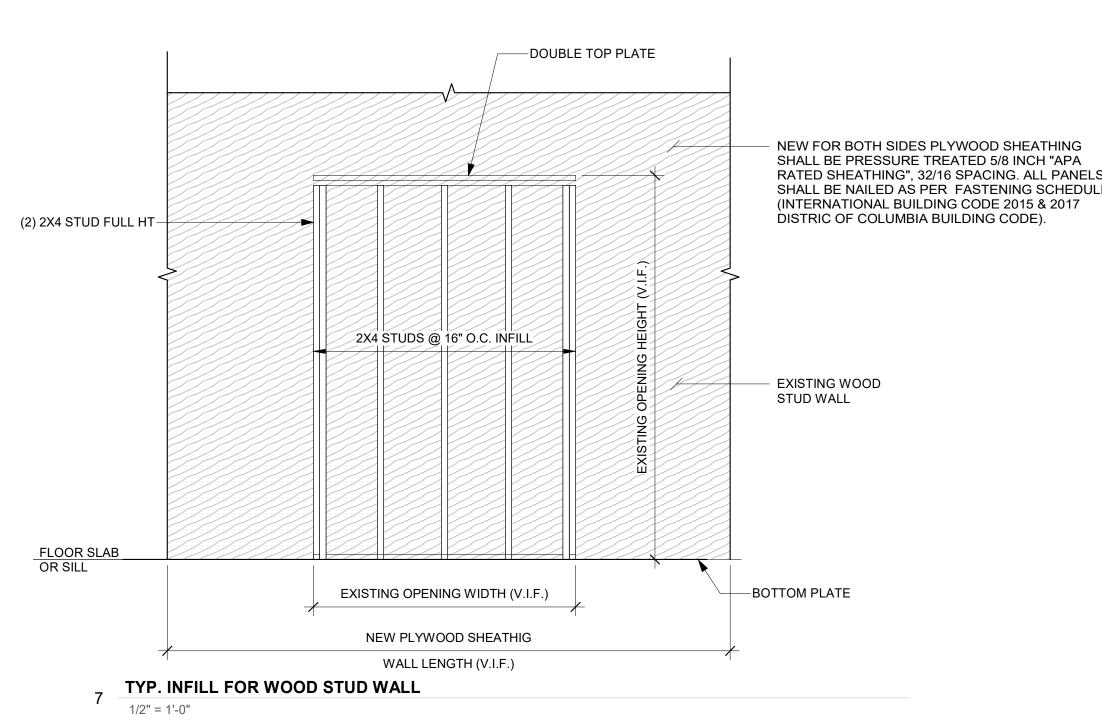






1. CORNER/TEE INTERSECTION REINF. SHALL BE LAPPED WITH THE TYPICAL LADDER TYPE HORIZ. REINF. AND EXTEND A MINIMUM OF 30" IN EACH DIRECTION AT THE INTERSECTION.





Designed: EA Drawn: Checked: EA Job No.: 08/15/2022 SNOIT: THIS SHEET NOT VALID FOR **CONSTRUCTION WITHOUT** COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND Sheet No.

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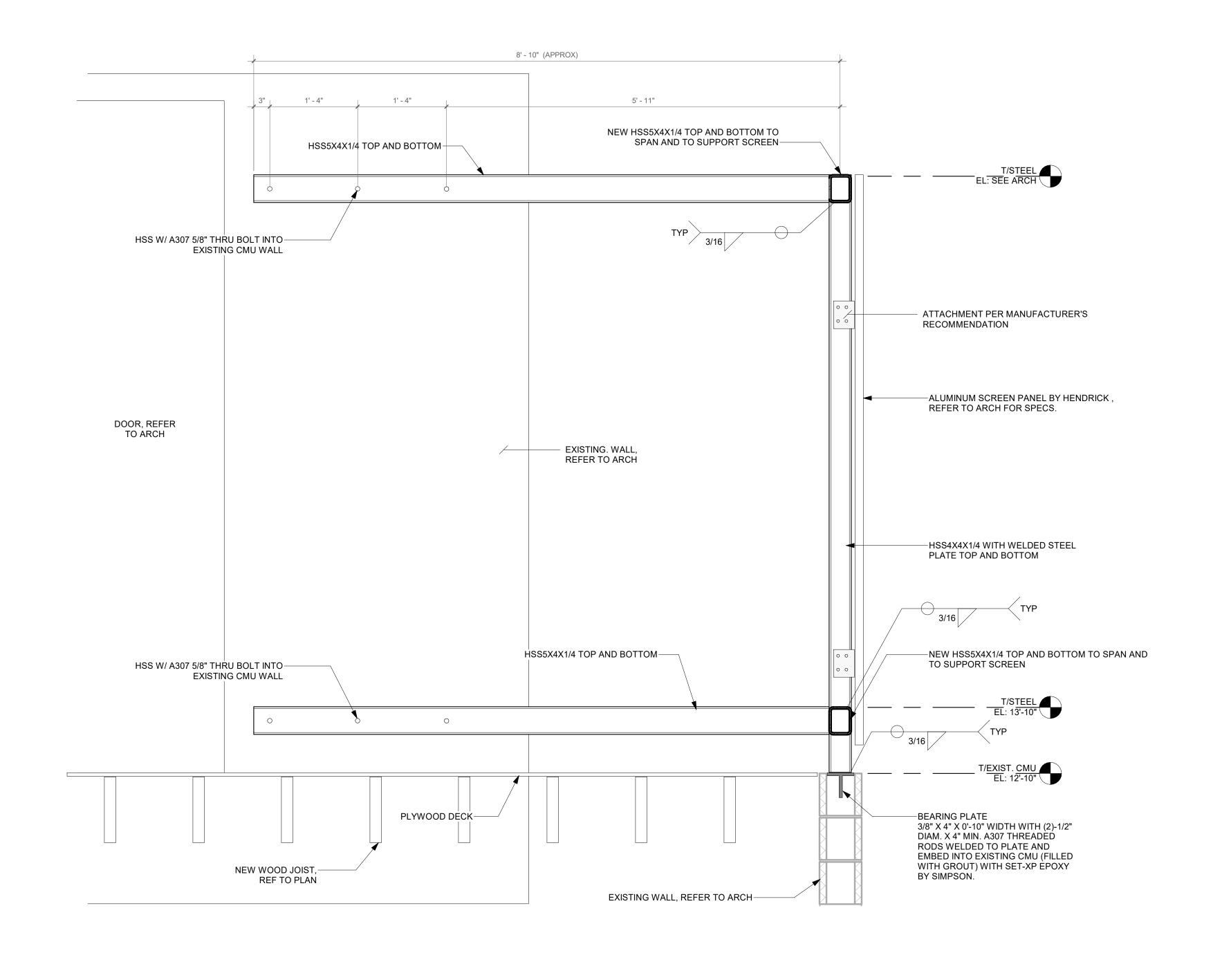
CPH, Psc. #283611

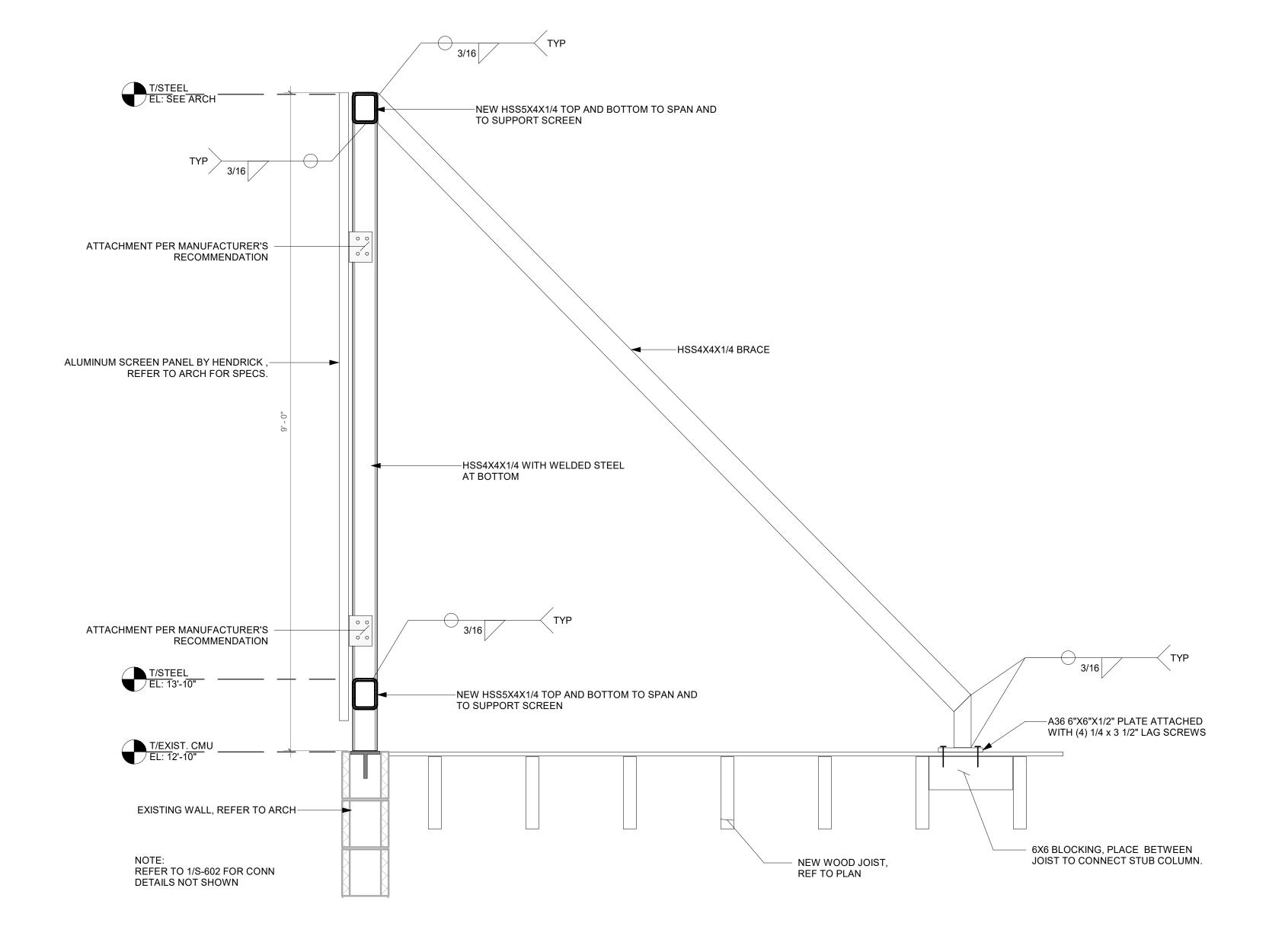
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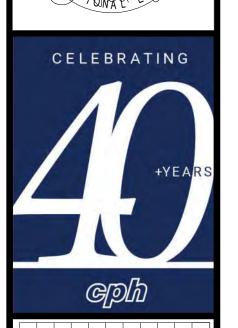
2 SECTION FOR SCREEN CONN TO WALL - 2

1" = 1'-0"

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Designed: EA

Designed: EA
Drawn: RRT
Checked: EA
Job No.: 09901
08/15/2022

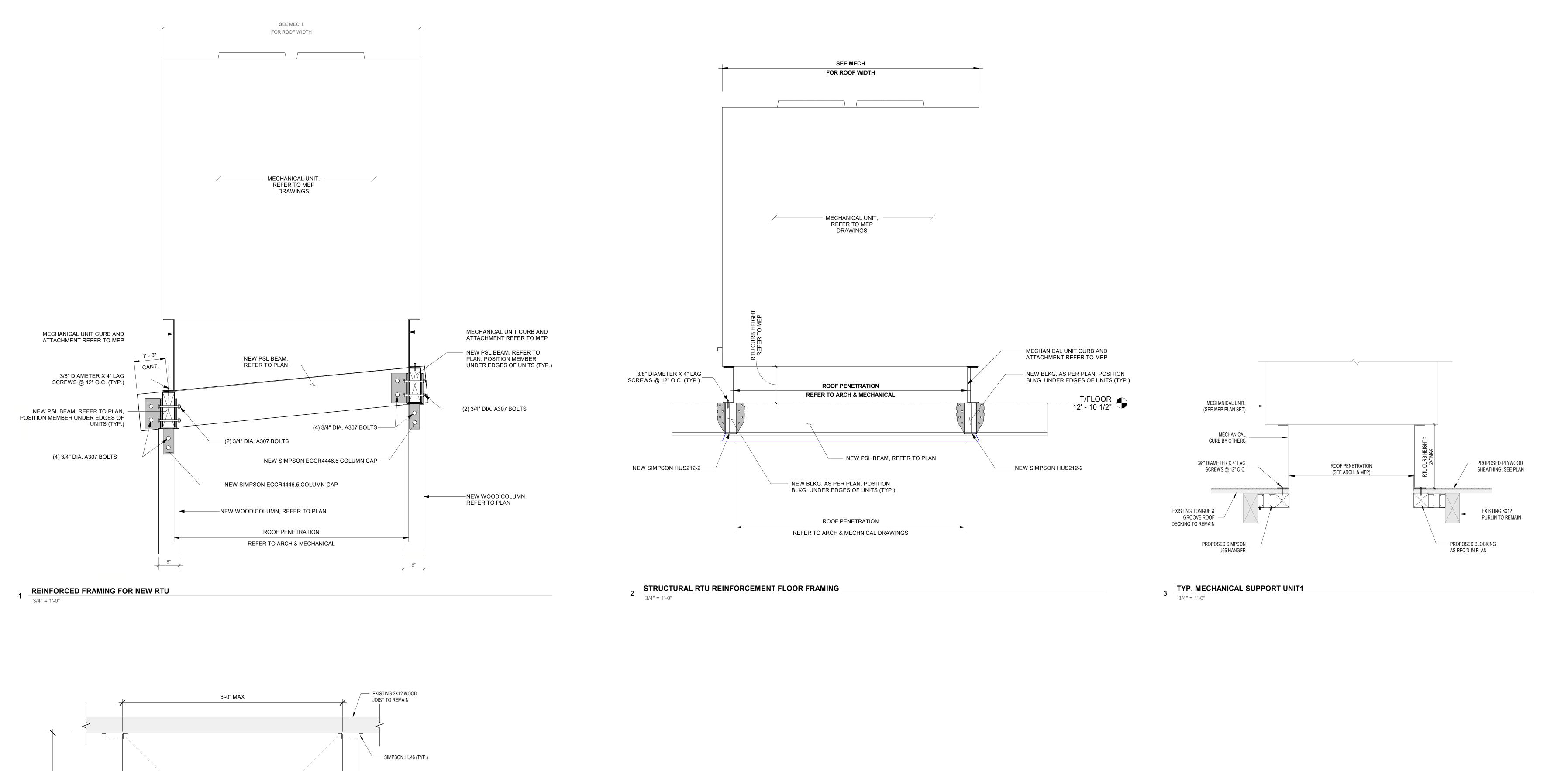
MUILTIPLE COMMERCIAL KITCHENS

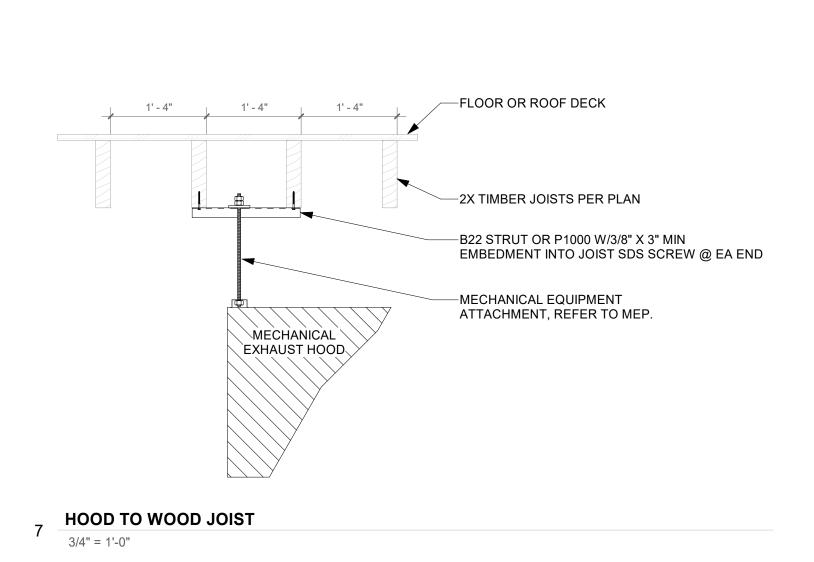
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Sheet No.

SECTION FOR SCREEN CONN TO WALL

1" = 1'-0"



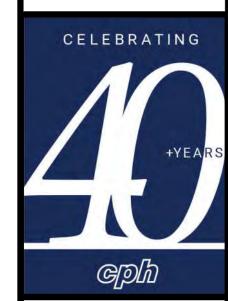




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Designed:	EA, RRT				
Drawn:	RRT				
Checked:	EA				
Job No.:	O9901				
08/15/2022					

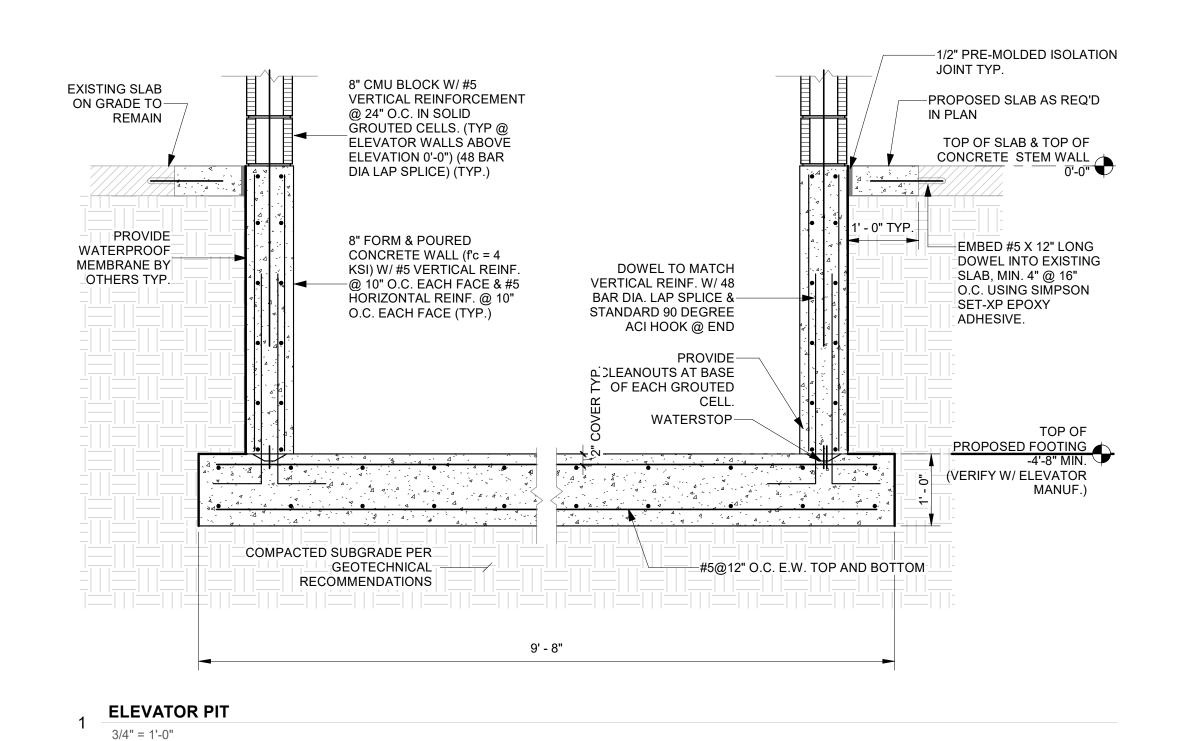
NICAL SUPPORT DETAILS E COMMERCIAL KITCHENS

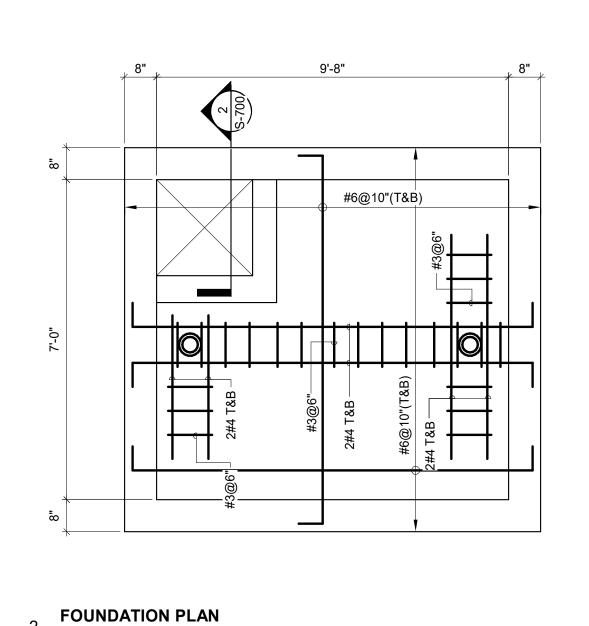
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1 1/2" = 1'-0"

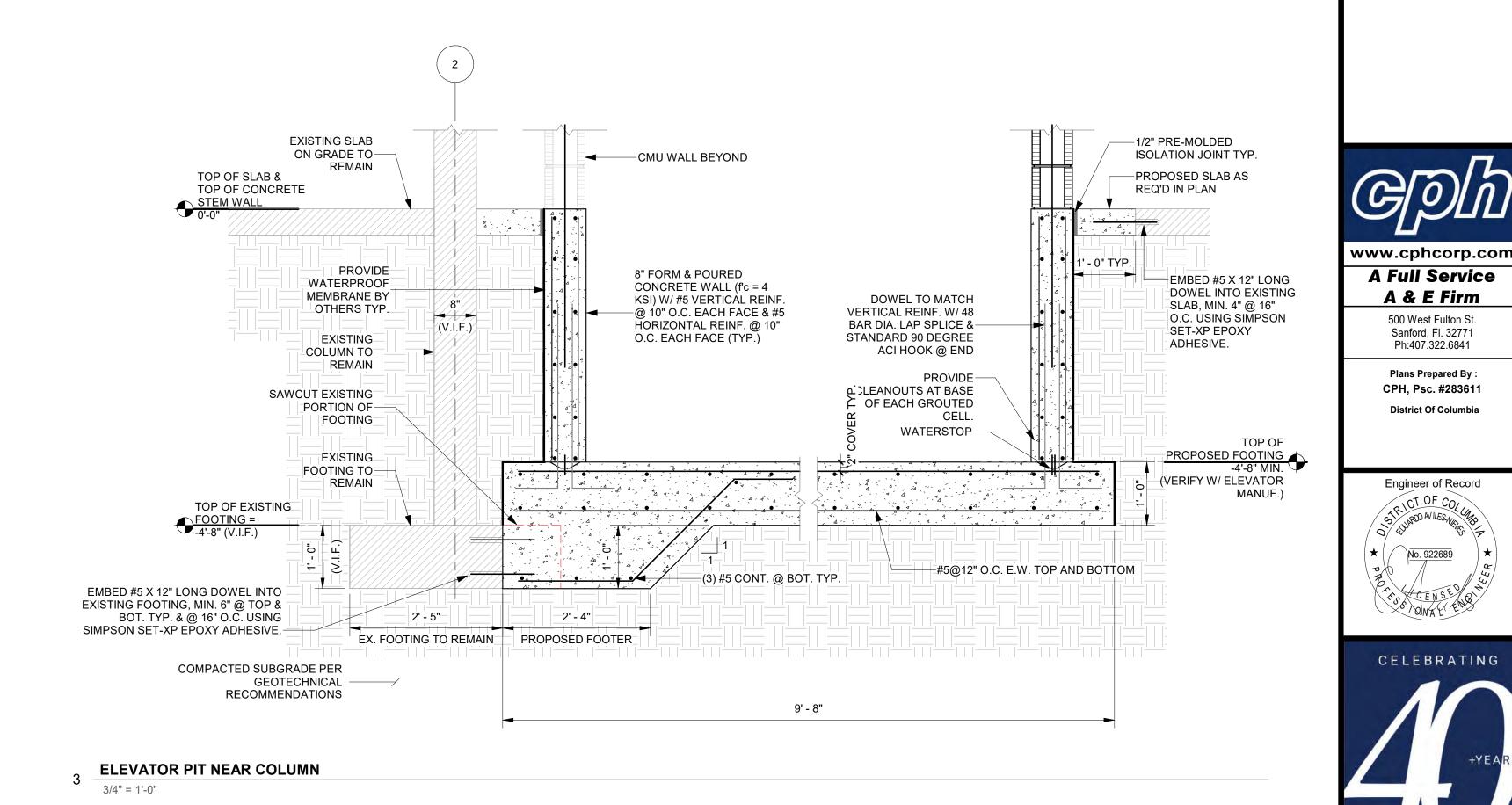
NOTES: 1. WHEN OPENING EXCEEDS 6'-0" x 6'-0", REFER TO PLANS FOR FRAMING.

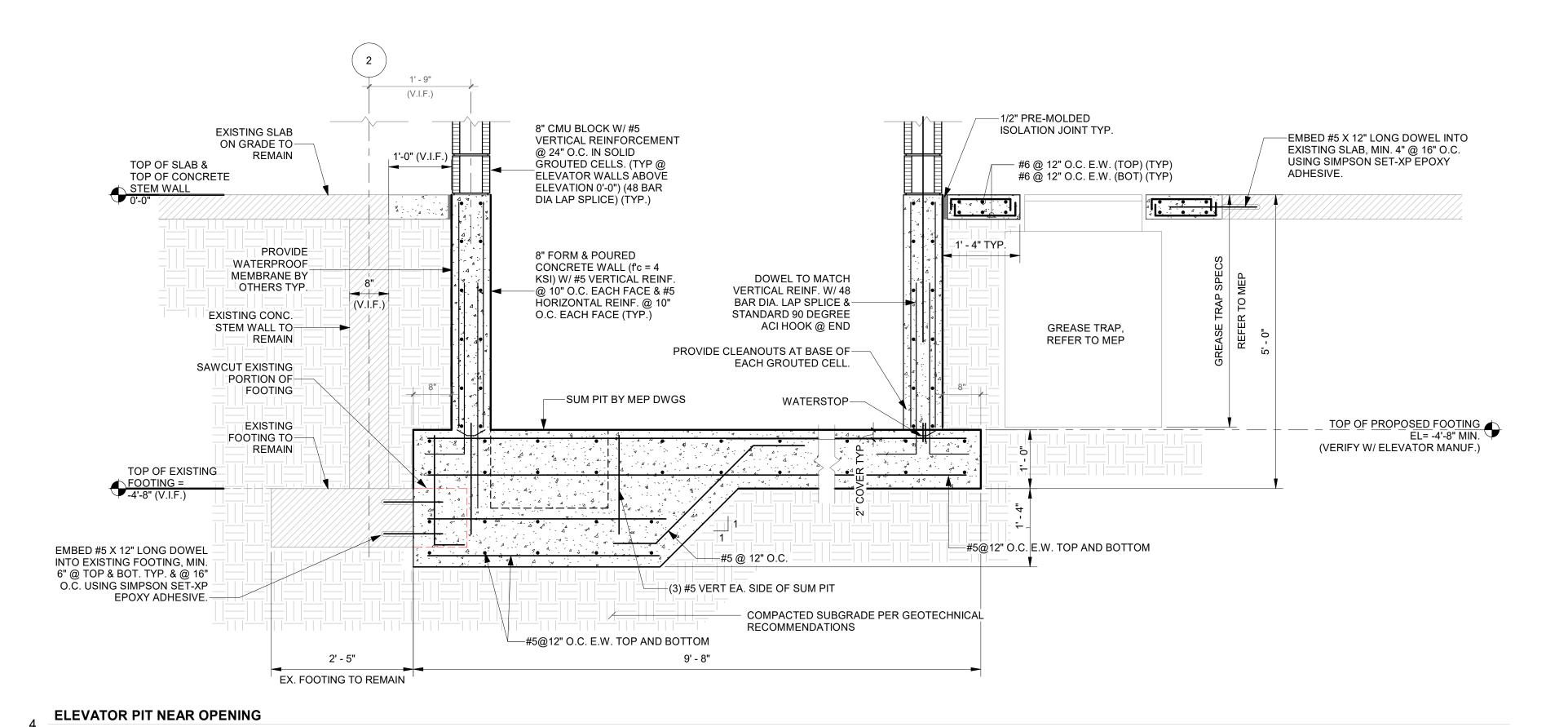
TYPICAL WOOD ROOF/FLOOR OPENING

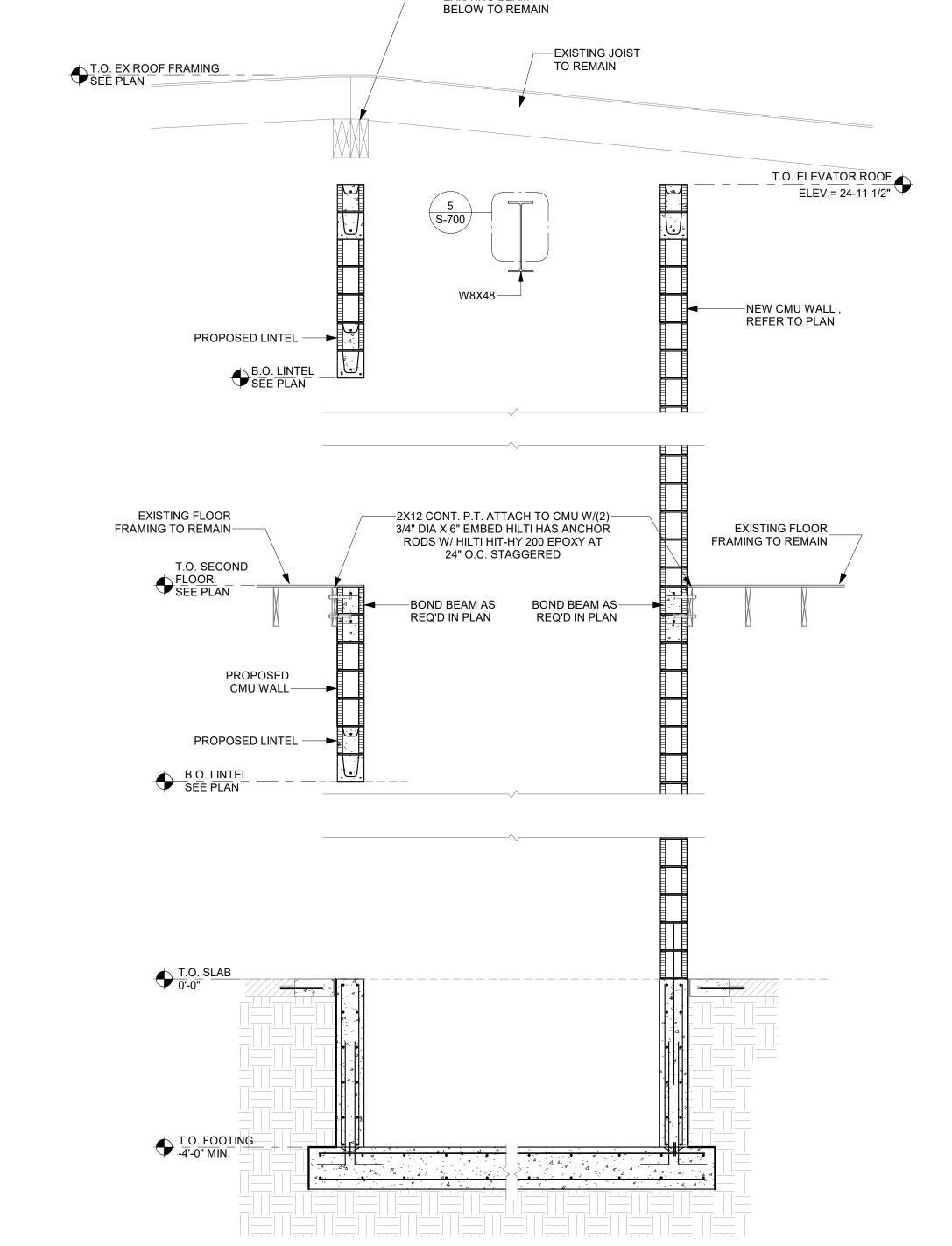


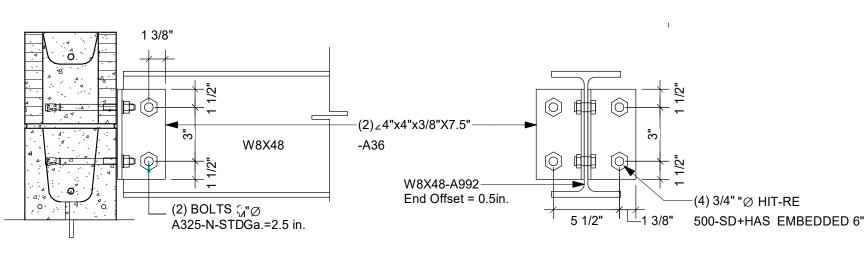


1/2" = 1'-0"









CONNECTION DETAIL 1 1/2" = 1'-0"

> **ELEVATOR ELEVATION** 1/2" = 1'-0"

> > NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION

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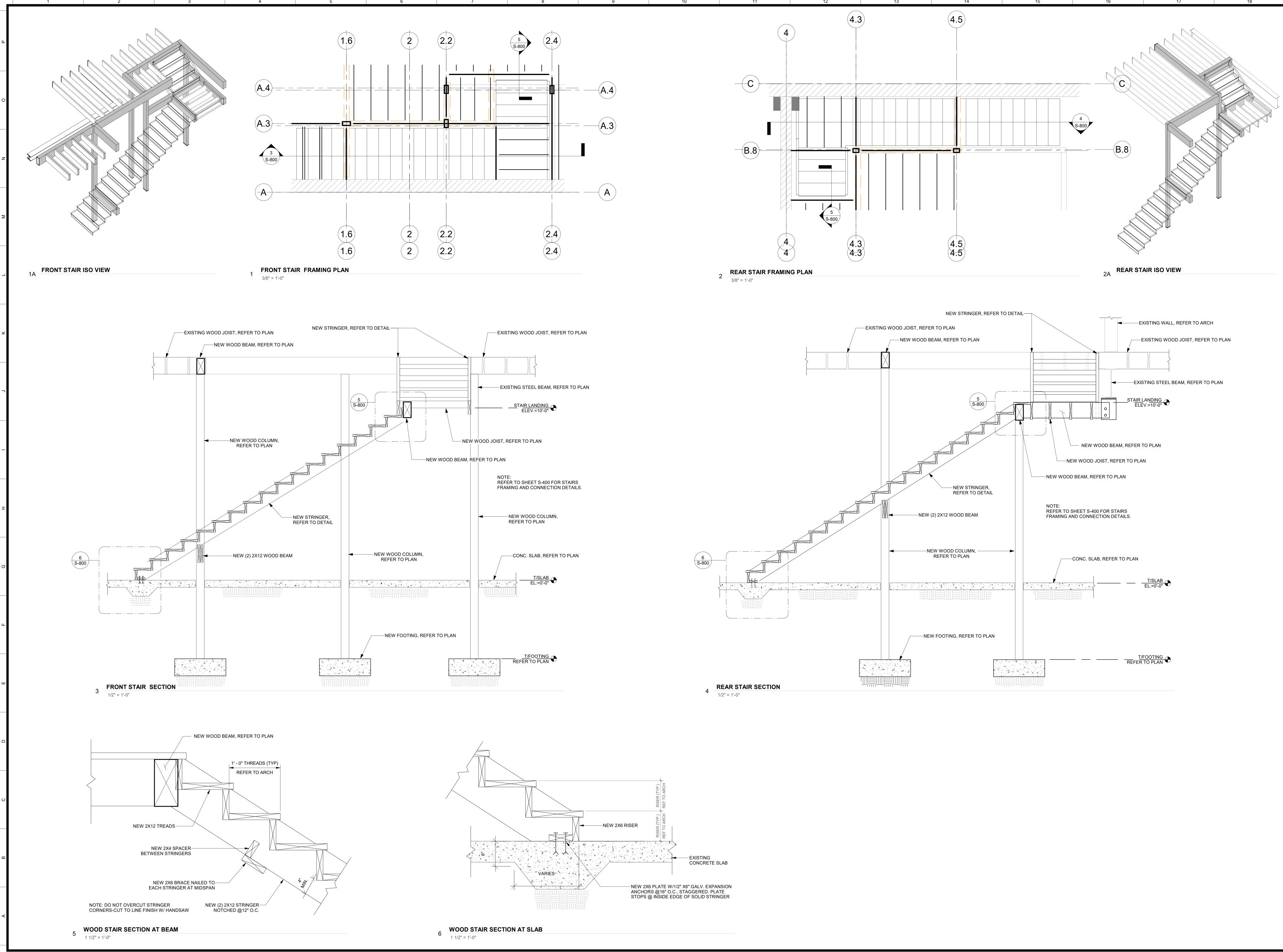
ELEVATOR

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3/4" = 1'-0"

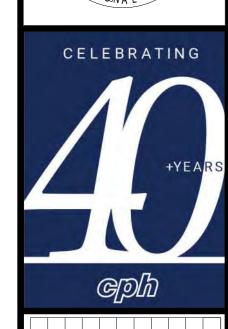


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AIRS SECTIONS & DETAILS ST